Monitoring Sheet for Simple Weir Schemes Constructed in 2014 (As of End of October, 2014)

Achievement (New Sites)

No.	Province	District	Camp Name	Name of the BEO/CEO	SiteName	No. of member farmers			No. of farmers already irrigating	No. of member Household	Done in This Dry Season(2014)			No. of Fish Pond made using COBSI irrigation
						Male	Female	Total			Canal Length dug in 2014 (km)	Opend Area in 2014 (lima)	Actual irrigated Area in 2014 (A)	
1	Northern	Kasama	Mulronge	Francis.K.Bualya	Muwkonge	9	5	14	0	14	1.00	0.00	4.00	0
2	Northern	Kasama	Milungu west	Kanda Prudence	Cihlyneka1	15	37	52	42	52	2.00	20.00	8.00	0
3	Northern	Kasama	Milungu west	Kanda Prudence	Chilemba	7	7	14	12	14	2.20	20.00	6.00	0
4	Northern	Kasama	Milungu west	Phillip Chitonguwa	Mwiika	20	14	34	34	34	2.00	20.00	5.00	0
5	Northern	Kasama	Selu	Phillip Chitonguwa	Chiinka	9	8	17	17	17	2.20	20.00	8.00	0
6	Northern	Kasama	Ngoli	Catherine Chileshe	Kakalamba	12	13	25	25	25	2.20	20.00	5.00	0
7	Northern	Kasama	Buaanda	Catherine Chileshe	Mumana Lupando	15	15	30	30	30	2.00	112.00	10.00	6
8	Northern	Kasama	Mulironge	Berra Viston	Olo IRR	20	14	34	34	34	3.00	3.50	8.00	0
9	Northern	Kasama	Milungu west	Jusina Khosa Banda	Cihilyacka2	8	4	12	15	12	3.00	40.00	8.00	0
10	Northern	Kasama	Milungu west	Jusina Khosa Banda	Chanda Mwamba	15	12	27	27	27	3.50	6.00	7.00	0
11	Northern	Kasama	Buaanda	Catherine Chileshe	Mukanga	9	5	14	30	14	3.00	10.00	1.50	0
12	Northern	Kasama	Mulanshi	Jusina Khosa Banda	Mualu	21	9	30	10	30	2.30	5.00	5.00	0
13	Northern	Kasama	Nkole Mfumu	Munalula Isaac	Nilole Mfumu	10	15	25	30	25	2.00	10.00	3.00	4
14	Northern	Kasama	Kasonde Cihsuna	Maini Clephashio	Chisuna	15	20	35	30	35	2.00	3.00	5.00	0
15	Northern	Kasama	Chiambo	Barbra Habmba	Kafukula	8	15	23	35	23	3.00	16.00	4.00	0
16	Northern	Kasama	Luna Lub	Jusina Khosa Banda	Itimbwe	20	14	34	26	34	4.00	12.00	8.00	0
17	Northern	Kasama	Naoli	Jusina Khosa Banda	Ktemfuma Kanono	11	4	15	26	15	0.80	5.00	8.00	0
18	Northern	Kasama	Naoli	Jusina Khosa Banda	Kaiemfuma Down	4	3	7	7	7	0.70	8.00	8.00	0
19	Northern	Kasama	Lukulu South	Vivian Sakala	Muwandga	10	15	25	25	25	0.50	1.00	2.00	0
20	Northern	Kasama	Lukulu South	Vivian Sakala	Mufwayeni	10	13	23	13	23	1.00	2.00	4.00	0
21	Northern	Kasama	Lukulu South	Vivian Sakala	Kamusih	15	13	28	20	28	1.50	4.00	0.00	0
22	Northern	Kasama	Munmba	Robert Ntembula	Ghanda Chamwamba	10	15	25	22	25	0.70	8.00	8.00	0
23	Northern	Kasama	Munmba	Robert Ntembula	Kalulu	16	10	26	26	26	1.00	12.00	8.00	0
24	Northern	Kasama	Munmba	Robert Ntembula	Mwafi	4	6	10	10	10	2.00	5.00	8.00	0
Kasama Total						**293**	**286**	**579**	**546**	**579**	**47.60**	**362.50**	**141.50**	**10**
25	Northern	Luwingu	DISTRICT	TSB officer	Masonde	10	11	21	10	10	0.30	1.90	0.20	0
26	Northern	Luwingu	DISTRICT	TSB officer	Masonde	20	13	33	21	13	0.25	1.10	0.18	0
27	Northern	Luwingu	Tungat 1	Bwembya Dhintu	Michelo	14	16	30	2	15	0.50	2.00	1.00	0
28	Northern	Luwingu	Tungat 1	Bwembya Dhintu	Fibulumo	6	6	12	4	6	0.60	3.00	1.00	0
29	Northern	Luwingu	Kapisha	Mnledga S.	Masonde South	14	16	30	7	15	0.30	1.00	0.50	0
30	Northern	Luwingu	Luena	Simfukwe Thomas	Mudeleka	10	10	20		10	0.30	0.00	0.00	0
31	Northern	Luwingu	Mnfili	Giles Bwalya	Kafuse	12	10	22	0	19	0.80	1.50	0.00	0
Luwingu Total						**86**	**82**	**168**	**44**	**88**	**3.05**	**10.50**	**2.88**	**0**

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Monitoring Sheet for Simple Weir Schemes Constructed in 2014 (As of End of October, 2014)

Achievement (New Sites)

No.	Province	District	Camp Name	Name of the BEO/CEO	SiteName	No. of member farmers			No. of farmers already irrigating	No. of member Household	Done in This Dry Season(2014)			No. of Fish Pond made using COBSI irrigation
						Male	Female	Total			Canal Length dug in 2014 (km)	Opend Area in 2014 (lima)	Actual irrigated Area in 2014 (A)	
32	Northern	Mbala	Mambwe	Monday Chintu	Kawezya	6	2	8	6	8	0.56	9.00	0.70	0
33	Northern	Mbala	Mambwe	Monday Chintu	Itwilusi	8	0	8	8	8	0.72	6.50	0.50	0
34	Northern	Mbala	Mambwe	Monday Chintu	Wangala	6	4	10	6	10	0.30	8.50	0.40	0
35	Northern	Mbala	Senga	Julius Mulenga	Chikoti	4	2	6	6	4	1.20	6.00	5.80	0
36	Northern	Mbala	Nondo	Eunice Chilongo	Reuben	30	10	40	30	15	0.50	2.00	2.00	1
37	Northern	Mbala	Nondo	Eunice Chilongo	Musafili	42	10	52	40	20	0.50	3.00	2.00	0
38	Northern	Mbala	Lunzuwa	Simposo Stepher	Isanya	43	52	95	23	10	1.30	0.00	4.00	0
39	Northern	Mbala	Masamba	Kaira Machua	Mwange	14	6	20	6	16	0.50	8.00	2.00	0
40	Northern	Mbala	Nsokolo	Lameck Lungu	Mwala	8	4	12	8	8	0.64	6.00	4.00	0
41	Northern	Mbala	Mambwe missiwe	Aaron Sichimata	Kaele	9	0	9	9	9	0.50	8.00	0.60	0
42	Northern	Mbala	Maule	Julius Mulenga	Membe	6	2	8	8	8	0.90	8.00	7.00	0
Mbala Total						**176**	**92**	**268**	**150**	**116**	**7.62**	**65.00**	**29.00**	**1**
43	Northern	Mporokoso	Chalabesa	Saidi Hussein	Mchembe	22	16	38	22	9	0.33	4.00	4.00	0
44	Northern	Mporokoso	S/Kapila	Brighton Mweemba	Nkalala	4	5	9	9	9	1.00	4.00	4.00	0
45	Northern	Mporokoso	Kapumo	Michelo M. Nyanga	Kapuh	10	5	15	15	15	2.50	2.00	6.00	0
46	Northern	Mporokoso	Mutotoshi	H. Mulenga		9	3	12	17	12	2.50	2.00	0.75	0
47	Northern	Mporokoso	M/Mapesa	Erastus Siyunda		21	1	22	13	22	3.00	2.00	3.00	1
Mporokoso Total						**66**	**30**	**96**	**76**	**67**	**9.33**	**14.00**	**17.75**	**1**
48	Northern	Nsama	Munsele	James Simwinga	Matebe	15	5	20	10	20	0.10	2.00	1.00	0
49	Northern	Nsama	Munsele	James Simwinga	Kanwande 2	13	2	15	5	10	0.15	1.00	0.50	0
50	Northern	Nsama	Katele	James Simwinga	Kalolo 1	5	3	8	8	5	0.20	4.00	0.50	0
51	Northern	Nsama	Katele	James Simwinga	Kalolo 2	3	2	5	5	4	0.15	4.00	2.00	1
52	Northern	Nsama	Mundele	James Simwinga	Kananta 3	16	7	23	5	15	0.10	0.50	1.00	0
53	Northern	Nsama	Mukotkoe	Josprune P.	Mukothe 2	5	6	11	5	5	0.20	2.00	2.00	0
Nsama Total						**57**	**25**	**82**	**38**	**59**	**0.90**	**13.50**	**7.00**	**1**
54	Northern	Mungwi	Ngulula	Banda Brown	Kabulyeni	17	9	26	26	10	1.50	10.00	10.00	0
55	Northern	Mungwi	Ndasa	Banda Brown	Ndasa	13	6	19	19	5	0.50	2.00	8.00	0
56	Northern	Mungwi	Chamfubu	Beauty Chisanga	Chamfubu	100	25	125	0	25	2.00	0.00	0.00	0
57	Northern	Mungwi	Misamfu	Carol Mwanza	Twinga	40	12	52	35	15	4.50	16.00	12.00	0
58	Northern	Mungwi	Misamfu	Carol Mwanza	Kanyalupe	10	12	22	18	5	1.50	7.00	5.00	2
59	Northern	Mungwi	Chonya	Robert Chanda	Cinci wababili	15	5	20	8	6	0.50	2.00	2.00	0
60	Northern	Mungwi	Mungwi East	Judith Lombe	Kasokota	16	7	23	8	10	1.80	3.00	3.00	0
61	Northern	Mungwi	Kafusha	Gasper Mulela	Sela	15	10	25	0	10	1.00	0.00	0.00	0
62	Northern	Mungwi	Chonya	Watson Banda	Mifutu	15	10	25	0	25	0.40	0.00	0.00	0
Mungwi Total						**241**	**96**	**337**	**114**	**111**	**13.70**	**40.00**	**40.00**	**2**
Northern Province						**919**	**611**	**1,530**	**968**	**1,020**	**82.20**	**505.50**	**238.13**	**15**
63	Muchinga	Isoka	Lualizi	Elano Sakala	Jasusi	15	5	20	20	10	0.20	4.00	4.00	0
64	Muchinga	Isoka	Lualizi	Elano Sakala	Caswa	8	4	12	12	10	0.20	4.00	4.00	0
65	Muchinga	Isoka	Kantenshya	Sampa Kanqowke	Namota	12	3	15	15	8	0.30	6.00	5.00	0
66	Muchinga	Isoka	Kantenshya	Sampa Kanqowke	Mukangala	20	5	25	25	12	0.60	12.00	10.00	3
Isoka Total						**55**	**17**	**72**	**72**	**40**	**1.30**	**26.00**	**23.00**	**3**

Monitoring Sheet for Simple Weir Schemes Constructed in 2014 (As of End of October, 2014)

Achievement (New Sites)

No.	Province	District	Camp Name	Name of the BEO/CEO	SiteName	No. of member farmers			No. of farmers already irrigating	No. of member Household	Done in This Dry Season(2014)			No. of Fish Pond made using COBSI irrigation
						Male	Female	Total			Canal Length dug in 2014 (km)	Opend Area in 2014 (lima)	Actual irrigated Area in 2014 (A)	
67	Muchinga	Mpika	Chishibesonde	Nlupya Estella	Chitompe	11	12	23	10	10	1.10	5.50	3.00	0
68	Muchinga	Mpika	Chishibesonde	Nlupya Estella	Mapungu	8	6	14	6	7	0.50	1.00	1.00	0
69	Muchinga	Mpika	Chishibesonde	Nlupya Estella	Fisonge. C	9	7	16	6	6	0.50	1.00	2.00	0
70	Muchinga	Mpika	Chintu	Ksonde Jenipher	Musanya	11	4	15	10	15	1.00	2.00	10.00	0
71	Muchinga	Mpika	Katibunga	Shakalima Kenny		0	0	0	0	0	0.00	0.00	0.00	0
72	Muchinga	Mpika	Lufila	Mutale Jeff	Mnomambulwa	7	8	15	2	9	0.90	1.25	1.25	0
73	Muchinga	Mpika	Lufila	Mutale Jeff	Chimbwa	7	4	11	0	5	0.75	0.75	0.63	1
74	Muchinga	Mpika			Kulamwela	6	6	12		5	0.10	0.00	0.00	0
Mpika Total						**59**	**47**	**106**	**34**	**57**	**4.85**	**11.50**	**17.88**	**1**
75	Muchinga	Nakonde	Ilola	Sailas Mwansa	Kaku	22	25	47	15	12	0.50	2.00	1.50	0
76	Muchinga	Nakonde	Ilola	Sailas Mwansa	Mumezye	13	11	24	8	9	0.75	1.50	1.00	0
77	Muchinga	Nakonde	Katwachi	Hambwaza Choolwe	Nankulgulu	10	4	14	4	7	0.50	4.00	2.00	0
78	Muchinga	Nakonde	Ilola	Mwansa Sailus	Yalmanga	23	5	28	23	19	0.75	1.50	1.00	0
79	Muchinga	Nakonde	Ilola	Mwansa Sailus	Kapiwila	15	17	32	24	17	0.50	1.50	1.00	0
80	Muchinga	Nakonde	Chanka	Teddy Simbowe	Kalungu	9	12	21	5	7	0.75	2.00	1.00	0
81	Muchinga	Nakonde	Kalungu	Patrical Singogo	Chipwililo B	19	17	36	20	15	1.00	3.00	1.50	0
82	Muchinga	Nakonde	Shemu	Ethel Chanda	Nyela	21	7	28	17	12	0.60	2.50	1.00	0
83	Muchinga	Nakonde	Old Fife	Mwamba Martin	Ntindi	10	3	13	5	4	0.35	1.00	0.50	0
Nakonde Total						**142**	**101**	**243**	**121**	**102**	**5.70**	**19.00**	**10.50**	**0**
84	Muchinga	Shiwangandu	Chasosa	Brian Sazombo	Kabundi	8	10	18	4	10	0.40	4.00	1.00	1
85	Muchinga	Shiwangandu	Lwanya	Mambwe Joackim	Itulo	6	4	10	3	6	0.10	3.00	0.42	0
Shiwangandu Total						**14**	**14**	**28**	**7**	**16**	**0.50**	**7.00**	**1.42**	**1**
Muchinga Province						**270**	**179**	**449**	**234**	**215**	**12.35**	**63.50**	**52.80**	**5**
86	Luapula	Mansa	Mwangoni	Mubita E	Chilikwa	7	1	8	30	6	1.00	2.00	1.00	0
87	Luapula	Mansa	Chifula	Micheal Nondo	Katuku	12	7	19	1	19	6.10	2.00	1.00	0
88	Luapula	Mansa	Kapyata	Melody Shakamba	Sepe	17	7	24	3	12	1.80	1.50	0.33	0
89	Luapula	Mansa	Mutiti	Ruth Chuyayika	Myengele	15	10	25	25	10	0.07	2.00	2.00	0
90	Luapula	Mansa			Chibeka	4	11	15	0	7	0.10		0.00	0
91	Luapula	Mansa			Chola	5	0	5	0	1	0.15		1.00	0
92	Luapula	Mansa	Kapyata	Melody Shakamba	Twafwane	11	5	16	16	11	0.40	1.00	2.00	0
93	Luapula	Mansa			Chileka	9	1	10	8	6	0.00	2.00	1.00	0
Mansa Total						**80**	**42**	**122**	**83**	**72**	**9.62**	**10.50**	**8.33**	**0**
94	Luapula	Chembe	Luwo	Jenet	Kasanga	10	8	18	15	12	1.66	4.00	2.50	0
95	Luapula	Chembe	Kundamfumu	Agness	Chikush	12	7	19	17	15	2.00	6.00	3.00	0
96	Luapula	Chembe	Luwo	Jenet	Happy	10	5	15	12	11	2.50	8.00	4.00	0
Chembe Total						**32**	**20**	**52**	**44**	**38**	**6.16**	**18.00**	**9.50**	**0**
97	Luapula	Mwense	Munwa	Mpambwe Kawama	Buyantanshi	18	20	38	14	38	1.00	0.00	12.00	0
98	Luapula	Mwense	Mubende	Bwalya Mukupa	Aron/ Loto	12	17	29	4	11		0.00	3.00	0
99	Luapula	Mwense	Mwense central	Kananda Christine	Bwele	15	10	25	24	13	0.40	12.00	8.00	0
100	Luapula	Mwense	Mwense central	Kananda Christine	Fiteba	9	7	16	14	9	0.30	0.80	0.60	0
101	Luapula	Mwense	Kashiba	TSB officer	Chimbili	23	11	34	6	20	1.00	1.00	1.00	0
Mwense Total						**77**	**65**	**142**	**62**	**91**	**2.70**	**13.80**	**24.60**	**0**

Monitoring Sheet for Simple Weir Schemes Constructed in 2014 (As of End of October, 2014)

Achievement (New Sites)

No.	Province	District	Camp Name	Name of the BEO/CEO	SiteName	No. of member farmers			No. of farmers already irrigating	No. of member Household	Done in This Dry Season(2014)			No. of Fish Pond made using COBSI irrigation
						Male	Female	Total			Canal Length dug in 2014 (km)	Opend Area in 2014 (lima)	Actual irrigated Area in 2014 (A)	
102	Luapula	Chipili	Chipili	Dickson Nguni	Kankalamu	12	24	36	0	36	1.00			
Chipili Total						**12**	**24**	**36**	**0**	**36**	**1.00**	**0.00**	**0.00**	**0**
103	Luapula	Kawambwa	Folotiya	Mukosa Aaron	Akalamba	5	3	8	0	5	0.20	0.25	0.75	0
104	Luapula	Kawambwa	Lusambo	Chilambwe Micheal	Chansamalamba	7	2	9	0	9	0.40	0.50	0.50	0
105	Luapula	Kawambwa	Lusambo	Chilambwe Micheal	Chansamalamba Musangulu	26	19	45	15	7	0.25	0.00	0.38	0
106	Luapula	Kawambwa	Munkanta	Banda Winstone	Bubenshi 2	25	35	60	0	25	0.25	0.00	0.25	0
KawabMansa Total						**63**	**59**	**122**	**15**	**46**	**1.10**	**0.75**	**1.88**	**0**
107	Luapula	Mwansa Bombwe	Chilange	Douglas Kafula	Kapweshi	18	12	30	26	13	1.00	16.00	8.00	4
108	Luapula	Mwansa Bombwe	Mbereshi	Kelvin Muyelu	Chilindi	5	5	10	10	4	1.50	2.00	1.00	0
109	Luapula	Mwansa Bombwe	Kapesa	Sakala Pearson	Kansenda	16	28	44	21	12	0.15	12.00	8.00	0
110	Luapula	Mwansa Bombwe	Mumbolo	Happy Lamba	Shimumbolo	16	21	37	28	18	0.60	4.00	3.50	2
111	Luapula	Mwansa Bombwe	Lufubu	Chongo Prince	Chituta	19	15	34	12	11	0.90	24.00	12.00	0
112	Luapula	Mwansa Bombwe	Lufubu	Chongo Prince	Kafuma	5	5	10	12	10	1.70	8.00	4.00	0
Mwansabombwe Total						**79**	**86**	**165**	**109**	**68**	**5.85**	**66.00**	**36.50**	**6**
113	Luapula	Nchelenge	Kabuta	Alex Sichula		8	22	30	0	12	0.40	3.00	1.50	0
114	Luapula	Nchelenge	Mulanga	Donald Simpanda	Kasamba	4	2	6	3	6	0.20	1.00	1.00	0
Nchelenge Total						**12**	**24**	**36**	**3**	**18**	**0.60**	**4.00**	**2.50**	**0**
115	Luapula	Milenge	Mupita	Mwanda. B	Kalali	25	15	40	12	18	0.15	1.00	0.00	4
116	Luapula	Milenge	Mulumbi	Mazunda. C .M	Lukulashi	17	8	25	5	12	0.20	2.00	1.00	0
117	Luapula	Milenge	Kabange	Kango Gracious	Ngoyi	13	7	20	8	11	0.25	2.50	2.00	2
118	Luapula	Milenge	Ngomba	Banda Lackson	Ngomba	8	7	15	5	8	0.10	2.00	1.00	0
119	Luapula	Milenge	Stambuli	Kopa William	Lunuka	11	7	18	6	13	0.20	2.00	1.50	1
120	Luapula	Milenge	Kapalala	Mukuma .B	Kapalala	9	7	16	5	10	0.10	1.50	1.00	1
121	Luapula	Milenge	Mulambo	Sinkala Elliah	Itemba	6	5	11	4	6	0.08	1.00	0.50	0
Milemge Total						**89**	**56**	**145**	**45**	**78**	**1.08**	**12.00**	**7.00**	**8**
Luapula Province						**444**	**376**	**820**	**361**	**447**	**28.11**	**125.05**	**90.31**	**14**
3 Provines						**1,633**	**1,166**	**2,799**	**1,563**	**1,682**	**122.66**	**694.05**	**381.23**	**34**

Monitoring Sheet for Simple Weir Schemes Constructed in 2014 (As of End of October, 2014)

Achievement (Improvement Sites)

No.	Province	District	Camp Name	Name of theBEO/CEO	SiteName	Date Weir is Improved	No. of member farmers			No. of farmers already irrigating	No. of member Household	Original		Additional by Improvement in 2014			Original + Newly irrigated Area (lima)	No. of Fish Pond	
							Male	Female	Total			Original Canal Length (km)	Area originally irrigated (lima) (A)	Canal Length Newly Dug (km)	Area opened in 2014 (lima)	Area Newly irrigated in 2014(lima) (B)	(A)+(B)	Original	Newly Constructed
1	Northern	Kasama	Umsama	Kanda Prudence	Muuya	18-Oct	5	3	8	8	8	2.20	20.00	3.00	1.00	3.00	23.00	0	0
2	Northern	Kasama	Lum-ube	Justina Khosa Banda	Sombe	13-Jun	15	8	23	23	23	3.50	16.00	1.00	8.00	4.00	20.00	0	0
3	Northern	Kasama	Lua-Luo	Justina Khosa Banda	Kapoka	1-Jul	10	11	21	15	21	2.50	16.00	1.50	4.00	4.00	20.00	5	0
4	Northern	Kasama	Milungu Wpsi	Phirip Chitonguwa	Munwa	10-Jun	14	10	24	34	24	3.00	12.80	1.00	3.50	10.00	22.80	0	0
5	Northern	Kasama	Cihonbo	Barbrn Habamba	Chipinii	22-May	31	22	53	10	53	7.00	20.00	2.00	4.00	4.00	24.00	0	0
6	Northern	Kasama	Cihonbo	Barbrn Habamba	Kabundi	6-Jun	15	20	35	20	35	8.00	10.00	1.00	3.00	5.00	15.00	0	0
7	Northern	Kasama	Munmba	Robert Ntembula	Ciranda Cihamamba	1-Aug	7	8	15	15	15	2.20	20.00	3.00	1.00	3.00	23.00	0	0
Kasama Total							**97**	**82**	**179**	**125**	**179.00**	**28.40**	**114.80**	**12.50**	**24.50**	**33.00**	**147.80**	**5**	**0**
8	Northern	Luwingu	DISTRICT	TSB officer	Saili	6-Aug	9	11	20	5	12	0.10	1.50	0.40	1.00	1.00	2.50	0	0
9	Northern	Luwingu	DISTRICT	TSB officer	Kntopola	18-Aug	8	7	15	3	7	0.90	1.50	0.50	1.00	1.00	2.50	0	0
10	Northern	Luwingu	DISTRICT	TSB officer	Lima	18-Sep	10	11	21	6	8	0.60	1.50	0.30	1.00	1.00	2.50	0	0
11	Northern	Luwingu	Tungati	Bwembya Chilenshe	Chilinda	22-Sep	18	27	45	4	23	0.10	1.00	0.20	3.00	1.00	2.00	0	0
12	Northern	Luwingu	Tungati	Bwembya Chilenshe	Malanda 1	28-Aug	10	7	17	4	6	0.60	1.00	0.50	4.00	1.00	2.00	1	0
13	Northern	Luwingu	Tungati	Bwembya Chilenshe	Malanda 2	28-Aug	10	10	20	5	8	0.90	0.50	0.30	2.50	1.50	2.00	0	0
14	Northern	Luwingu	Tungati	Bwembya Chilenshe	Lunika	25-Aug	9	9	18	8	9	0.80	0.80	0.60	9.00	1.70	2.50	0	0
15	Northern	Luwingu	Kapisha	Mnlenga S.	Chishishi	11-Aug	10	13	23	4	12	1.00	1.60	0.70	4.00	0.40	2.00	0	0
16	Northern	Luwingu	Kapisha	Mnlenga S.	Chambata	21-Aug	17	11	28	8	14	0.80	1.50	0.20	3.00	1.00	2.50	0	0
17	Northern	Luwingu	Mufili	Bwalya Giles	Lwenge/ Edward	22-Aug	24	18	42	13	33	3.60	0.00	0.60	2.00	1.50	1.50	0	0
18	Northern	Luwingu	Mufili	Bwalya Giles	Ehitamba	6-Oct	11	14	25	5	14	0.38	1.00	0.10	1.00	0.50	1.50	0	0
Luwingu Total							**136**	**138**	**274**	**65**	**146.00**	**9.78**	**11.90**	**4.40**	**31.50**	**11.60**	**23.50**	**1**	**0**
19	Northern	Mbala	Mambwe	Monday Chintu	Munsimbwe	2-Aug	6	3	9	9	9	0.50	1.00	0.00	0.00	0.00	1.00	0	0
20	Northern	Mbala	Mambwe	Monday Chintu	Sikalanda	5-Aug	9	3	12	9	12	0.42	0.60	0.00	0.00	0.00	0.60	0	0
21	Northern	Mbala	Senga	Julius Mulenga	Chishitumusamba	12-Jul	9	4	13	13	6	0.90	8.00	0.60	6.00	1.25	9.25	0	0
22	Northern	Mbala	Senga	Julius Mulenga	Mumole	10-Jul	7	3	10	10	10	1.50	8.00	0.90	5.00	1.00	9.00	0	0
23	Northern	Mbala	Senga	Julius Mulenga	Mikupu	13-Aug	5	3	8	8	6	0.40	7.00	0.40	7.00	0.90	7.90	0	0
24	Northern	Mbala	Nondo	Eunice Chilongo	Chikonde	10-Jul	12	8	20	20	20	3.00	2.00	0.00	0.00	1.00	3.00	0	0
25	Northern	Mbala	Nondo	Eunice Chilongo	Dhiboko	15-Aug	18	12	30	30	22	3.00	2.00	0.00	0.00	2.00	4.00	0	0
26	Northern	Mbala	Nondo	Eunice Chilongo	Kambafwile	28-Sep	18	15	33	33	20	2.00	2.00	0.00	0.00	3.00	5.00	0	0
27	Northern	Mbala	Nondo	Eunice Chilongo	Mpangankulu	20-Sep	11	9	20	20	10	2.50	2.00	0.00	0.00	2.00	4.00	0	0
28	Northern	Mbala	Nondo	Eunice Chilongo	Shikulu Musonda	10-Oct	20	15	35	45	15	2.00	1.00	0.00	0.00	1.00	2.00	0	0
29	Northern	Mbala	Lunzuwa	Simposo Stepher	Chanona	20-Aug	54	22	76	12	12	1.90	3.00	0.20	1.00	1.00	4.00	2.5	0
30	Northern	Mbala	Lunzuwa	Simposo Stepher	Ntenda	5-Sep	32	24	56	29	8	1.50	4.00	0.00	0.00	1.50	5.50	0	0
31	Northern	Mbala	Masamba	Kaira Machua	Musatu	4-Sep	18	7	25	50	17	1.50	3.00	0.70	5.20	2.00	5.00	0	0
32	Northern	Mbala	Masamba	Kaira Machua	Musatwe	2014/06	14	8	22	30	22	1.80	5.00	1.00	8.00	3.00	8.00	0	0
33	Northern	Mbala	Lucheche	Annie Nyirongo	Tutenzi	2014/09	35	15	50	40	10	3.00	8.00	1.00	6.00	4.00	12.00	0	0
34	Northern	Mbala	Lucheche	Annie Nyirongo	Mwambezi	2014/10	40	21	61	42	13	1.20	4.00	1.50	5.00	5.00	9.00	0	0
35	Northern	Mbala	Sbnga	Julius Mulenga	Kamitanga	14-Jul	25	5	30	9	20	1.00	2.50	0.60	2.50	1.00	3.50	0	0
Mbala Total							**333**	**177**	**510**	**409**	**232.00**	**28.12**	**63.10**	**6.90**	**45.70**	**29.65**	**92.75**	**2.5**	**0**
36	Northern	Mporokoso	Kalabwe	J. Bulambo			9	6	15	15	9	1.00	4.00	0.00	2.00	1.50	5.50	0	0
37	Northern	Mporokoso	Kapatu	Halwindi Staples			3	1	4	4	4	0.70	4.00	0.00	1.00	0.00	4.00	0	0
38	Northern	Mporokoso		Saidi Hussein	Muwela	July	16	4	20	20	10	0.30	1.50	0.14	1.50	1.50	3.00	0	0
39	Northern	Mporokoso		Saidi Hussein	Muchele	Aug	26	15	41	41	15	0.49	3.00	0.00	3.00	5.00	8.00	0	0
40	Northern	Mporokoso		Saidi Hussein	Nakasandwa	Oct	21	11	32	32	9	0.30	1.50	0.00	2.00	2.50	4.00	0	0
41	Northern	Mporokoso		Brighton Mweemba	Kalashi	18-Jun	15	10	25	26	25	0.70	6.00	0.25	6.00	0.00	6.00	2	0
42	Northern	Mporokoso		Brighton Mweemba	Nkwale	25-Sep	7	5	12	12	12	0.90	6.00	0.00	4.00	0.00	6.00	5	0
43	Northern	Mporokoso		Brighton Mweemba	Buchili	9-Oct	6	4	10	10	10	0.60	6.00	0.50	6.00	0.00	6.00	0	0
44	Northern	Mporokoso		Brighton Mweemba	Kaela	13-Oct	3	1	4	4	4	0.70	5.00	0.00	5.00	1.00	6.00	0	0
45	Northern	Mporokoso		Michelo M. Nyanga	Kasongale	2-Jul	16	10	26	26	26	1.50	8.00	0.00	2.00	2.00	10.00	2	0
46	Northern	Mporokoso		Michelo M. Nyanga	Kalampa	12-Sep	14	9	23	23	23	4.50	4.00	0.00	1.00	1.00	5.00	0	0
Mporokoso Total							**136**	**76**	**212**	**213**	**147.00**	**11.68**	**49.00**	**0.89**	**33.50**	**14.50**	**63.50**	**9**	**0**
47	Northern	Nsama	Munsele	James Simwinga	Kcenansa 1	2014/07	10	3	13	5	7	0.50	1.00	0.10	2.00	1.00	2.00	0	0
48	Northern	Nsama	Mukotwe	Josphine P.	Naukotkse 1	2014/08	5	0	5	5	5	0.10	1.00	0.05	1.00	1.00	2.00	0	0
49	Northern	Nsama		Clement Mulife	Kananda 1	July	7	3	10		7	1.00	1.00	0.10	2.00	1.00	2.00	0	0
Nsama Total							**22**	**6**	**28**	**10**	**19.00**	**1.60**	**3.00**	**0.25**	**5.00**	**3.00**	**6.00**	**0**	**0**

Monitoring Sheet for Simple Weir Schemes Constructed in 2014 (As of End of October, 2014)

Achievement (Improvement Sites)

No.	Province	District	Camp Name	Name of theBEO/CEO	SiteName	Date Weir is Improved	No. of member farmers			No. of farmers already irrigating	No. of member Household	Original		Additional by Improvement in 2014			Original + Newly irrigated Area (lima)	No. of Fish Pond	
							Male	Female	Total			Original Canal Length (km)	Area originally irrigated (lima) (A)	Canal Length Newly Dug (km)	Area opened in 2014 (lima)	Area Newly irrigated in 2014(lima) (B)	(A)+(B)	Original	Newly Constructed
50	Northern	Mungwi	Ngulula	Banda Brown	Mutemngala	15-Jul	44	13	57	10	12	1.50	3.00	0.50	2.00	2.00	5.00	4	0
51	Northern	Mungwi	Ngulula	Banda Brown	Kambulo	3-Jul	20	17	37	30	10	1.80	3.00	0.50	3.00	12.00	15.00	9	0
52	Northern	Mungwi	Mumba	Banda Brown	Banachibesa	1-Aug	30	11	41	30	8	1.50	11.00	0.50	4.00	5.00	16.00	0	0
53	Northern	Mungwi	Nseluka	Beauty Chisanga	Kashikinsha	11-Oct	18	2	20	0	6	5.00	5.00	0.00	0.00	0.00	5.00	0	0
54	Northern	Mungwi	Misamfu	Carol Mwanza	Kakoni	26-Jun	7	18	25	20	6	2.50	8.00	0.50	4.00	4.00	12.00	0	4
55	Northern	Mungwi	Mleast	Carol Mwanza	Chibaba2	3-Sep	20	20	40	7	8	2.00	6.00	0.50	0.00	0.00	6.00	0	0
56	Northern	Mungwi	Malole South	Reuben Mwenya	Bwambi	2014/09	14	8	22	4	7	1.80	8.00	0.50	8.00	2.00	10.00	0	0
57	Northern	Mungwi	Chonja	Mary Chisanga	Kasebaulupili	29-Aug	30	13	43	5	10	3.00	8.00	0.00	4.00	0.00	8.00	0	0
58	Northern	Mungwi	Chamfubu	Andrew T Mulenga	Munwa	2014/10	12	6	18	2	4	1.50	2.00	0.00	1.00	1.00	3.00	0	0
59	Northern	Mungwi	Ndasa	Acty Munsaka	Numbuka	2014/10	17	8	25	7	6	1.80	3.00	0.00	1.00	1.00	4.00	0	0
60	Northern	Mungwi	Kafusha	Gasper Mulela	Kafusha	2014/09	12	6	18	3	5	1.50	3.00	0.00	1.00	0.00	3.00	0	0
61	Northern	Mungwi	Chamfubu	A.T.Mulenga	Kaipe 2	2014/09	10	5	15	4	10	2.50	3.00	0.00	1.00	1.00	4.00	0	0
62	Northern	Mungwi	Rosa	Museteka Chiza	Lwela	2014/10	12	6	18	0	10	1.50	2.00	0.00	0.00	0.00	2.00	0	0
63	Northern	Mungwi	Chimbola	Mapopa Tembo	Kapangala	2014/08	8	5	13	3	5	2.00	3.00	0.00	1.00	1.00	4.00	0	0
64	Northern	Mungwi	Chimba	Emmy Mwenwa	Chiwanga	2014/08	7	5	12	2	5	1.50	2.00	0.00	1.00	1.00	3.00	0	0
65	Northern	Mungwi	Malole South	Reuben Mwenya	Bwambi 2	2014/10	17	8	25	8	7	1.50	3.00	0.00	2.00	2.00	5.00	0	0
66	Northern	Mungwi	Chonya	Robert Chanda	Musondo 2	2014/10	20	9	29	3	10	2.00	4.00	0.00	0.00	0.00	4.00	0	0
67	Northern	Mungwi	Mungwi East	Judith Lombe	Luvega 2	2014/09	15	12	27	5	25	1.50	3.00	0.00	2.00	2.00	5.00	0	0
68	Northern	Mungwi	Mungwi West	Muma Bornface	Buyanianshi	2014/10	11	4	15	7	10	1.00	3.00	0.00	1.00	1.00	4.00	0	0
Mungwi Total							**324**	**176**	**500**	**150**	**164.00**	**37.40**	**83.00**	**3.00**	**36.00**	**35.00**	**118.00**	**13**	**4**
Northern Province							**1,048**	**655**	**1,703**	**972**	**887.00**	**116.98**	**324.80**	**27.94**	**176.20**	**126.75**	**451.55**	**30.5**	**4**
69	Muchinga	Isoka	Lualizi	Elano Skala	Ndeke/Kachilikka	18-May	16	21	37	37	37	1.00	20.00	0.00	20.00	0.00	20.00	2	0
Isoka Total							**16**	**21**	**37**	**37**	**37.00**	**1.00**	**20.00**	**0.00**	**20.00**	**0.00**	**20.00**	**2**	**0**
70	Muchinga	Mpika	Chishibesonde	Nalupya Estella	Chailo	24-Jun	16	13	29	17	10	4.00	8.00	0.00	3.00	3.50	11.50	6	0
71	Muchinga	Mpika	Chintu	Kasonde Jenipher	Mulenga Kasomo	28-Oct	2	8	10	13	10	2.00	8.00	1.00	0.50	0.50	8.50	1	0
72	Muchinga	Mpika	Katibunga	Shakalima Kenny	Kashaita	28-Jun	7	5	12	6	4	1.10	6.00	0.80	4.00	4.00	10.00	0	0
73	Muchinga	Mpika	Katibunga	Shakalima Kenny	Chakulwa	14-Aug	11	16	27	12	9	1.20	4.50	0.90	6.00	3.75	8.25	0	0
74	Muchinga	Mpika	Lufila	Mutale Jeff					0								0.00		
75	Muchinga	Mpika		Simbeya Kalolo	Fella A	14-Jul	6	2	8	2	4	0.01	2.00	0.90	4.00	6.00	8.00	4	3
76	Muchinga	Mpika		Simbeya Kalolo	Fella B	Sept	4	2	6	3	2	0.50	1.00	0.50	1.00	1.00	2.00	0	0
Mpika Total							**46**	**46**	**92**	**53**	**39.00**	**8.81**	**29.50**	**4.10**	**18.50**	**18.75**	**48.25**	**11**	**3**
77	Muchinga	Nakonde	Chanka	Teddy Simbowe	Mpumba	2-Aug	15	20	35	23	10	0.50	4.00	0.60	2.00	0.50	4.50	0	0
78	Muchinga	Nakonde	Old Fife	Mwamba Martin	Muli	25-Jun	14	10	24	15	7	1.00	5.50	0.70	1.50	0.50	6.00	0	0
79	Muchinga	Nakonde	Old Fife	Mwamba Martin	Mukwela	29-Jun	18	11	29	20	17	1.10	4.50	0.40	4.00	1.00	5.50	0	0
80	Muchinga	Nakonde	Mwenzo	Sakajila Kellies	Musengoma B	10-Jun	7	13	20	14	6	0.50	2.00	1.00	3.00	2.00	4.00	0	0
81	Muchinga	Nakonde	Mwenzo	Sakajila Kellies	Kalulu B	20-Jun	9	21	30	16	7	0.40	3.00	0.20	1.00	1.00	4.00	0	0
82	Muchinga	Nakonde	Waitiwka	Sakajila Kellies	Burton	9-Jul	13	8	21	11	4	0.10	1.00	0.50	5.00	3.00	4.00	0	0
83	Muchinga	Nakonde	Ilola	Mwansa Sailus	Kanamovu	14-Jul	10	17	27	19	11	0.30	2.00	0.50	4.00	3.00	5.00	1	0
84	Muchinga	Nakonde	Ilola	Mwansa Sailus	Ilola	29-Jul	15	11	26	22	20	0.40	1.00	1.00	6.00	2.00	3.00	0	0
Nakonde Total							**101**	**111**	**212**	**140**	**82.00**	**4.30**	**23.00**	**4.90**	**26.50**	**13.00**	**36.00**	**1**	**0**
85	Muchinga	Shiwangandu	Philipo	Mambwe Joackim	Kamanan				0								0.00		
86	Muchinga	Shiwangandu		Brian Sazombo	Gombe	29-Sep	10	12	22	10	8	0.50	2.00	0.10	4.50	2.00	4.00	0	0
Shiwangandu Total							**10**	**12**	**22**	**10**	**8.00**	**0.50**	**2.00**	**0.10**	**4.50**	**2.00**	**4.00**	**0**	**0**
Muchinga Province							**173**	**190**	**363**	**240**	**166.00**	**14.61**	**74.50**	**9.10**	**69.50**	**33.75**	**108.25**	**14**	**3**

Monitoring Sheet for Simple Weir Schemes Constructed in 2014 (As of End of October, 2014)

Achievement (Improvement Sites)

No.	Province	District	Camp Name	Name of theBEO/CEO	SiteName	Date Weir is Improved	No. of member farmers			No. of farmers already irrigating	No. of member Household	Original		Additional by Improvement in 2014			Original + Newly irrigated Area (lima)	No. of Fish Pond	
							Male	Female	Total			Original Canal Length (km)	Area originally irrigated (lima) (A)	Canal Length Newly Dug (km)	Area opened in 2014 (lima)	Area Newly irrigated in 2014(lima) (B)	(A)+(B)	Original	Newly Constructed
87	Luapula	Mansa	Malamba	Betty Mbao	Mutoba	14-Aug	5	3	8	5	5	0.60	0.25	0.00	1.00	0.00	0.25	0	0
88	Luapula	Mansa		Betty Mbao	Malamba	15-Aug	4	0	4	1	4	1.00	0.25	0.00	0.25	0.00	0.25	0	0
89	Luapula	Mansa		Betty Mbao	Fibalesunga	15-Jul	7	10	17	17	10	0.50	0.06	0.00	0.00	0.00	0.06	0	0
90	Luapula	Mansa	Bahati	Peter Phiri		July	10	5	15	0	5	0.06	0.00	0.00	0.00	0.00	0.00	0	0
91	Luapula	Mansa	Mukanga	Mubita E	Mukanga	Sep	6	2	8	4	3	0.03	1.00	0.01	0.50	0.50	1.50	0	0
92	Luapula	Mansa	Chifula	Micheal Nondo	Lebeni	23-Jun	12	8	20	0	20	0.20	0.25	0.08	1.50	1.00	1.25	0	0
93	Luapula	Mansa	Fipulu	Simon Syamungulu	Mwalongo	20-Nov	6	4	10	6	10	0.05	4.00	0.03	2.00	2.00	6.00	0	0
94	Luapula	Mansa		Simon Syamungulu	Mushingashi	1-Nov	3	3	6	6	3	0.03	2.00	0.01	0.00	0.00	2.00	0	0
95	Luapula	Mansa	Mbaso	Kasangula Changwa	Talwaka	20-Aug	20	15	35	35	10	0.40	2.00	1.50	1.00	1.00	3.00	2	0
96	Luapula	Mansa		Kasangula Changwa	Chichi wababili	15-Aug	10	9	19	19	9	0.20	1.00	2.00	1.00	1.00	2.00	2	0
97	Luapula	Mansa	Kapyata	Melody Shakambwa		Oct	11	7	18	18	10	0.90	4.00	1.20	1.00	1.20	5.20	0	0
98	Luapula	Mansa	Chikoshi	Henry Banda	Myengele		12	10	22	6	20	0.75	0.50	1.50	2.00	10.00	10.50	6	30
99	Luapula	Mansa		Henry Banda	Mufushi	27-Jun	5	5	10	6	3	0.70	0.50	5.50	2.00	15.00	15.50	0	5
100	Luapula	Mansa		Henry Banda	Kangozo	23-Sep	5	6	11	5	6	0.25	1.00	0.25	2.00	2.00	3.00	1	0
101	Luapula	Mansa		Henry Banda	Kasha	24-Sep	3	2	5	3	5	0.50	4.25	0.00	0.00	0.00	4.25	2	0
102	Luapula	Mansa		Henry Banda	Kafusha	24-Oct	1	3	4	1	4	0.75	4.50	0.00	0.00	0.00	4.50	0	0
103	Luapula	Mansa	Mutiti	Ruth Chiyayika		Oct	10	6	16	16	10	0.02	2.00	0.02	2.00	2.50	4.50	0	0
104	Luapula	Mansa			Mukansa	10-Sep	12	2	14	8	8	0.80	8.50	0.70	2.00	2.00	10.50	0	0
Mansa Total							**142**	**100**	**242**	**156**	**145.00**	**7.74**	**36.06**	**12.80**	**18.25**	**38.20**	**74.26**	**13**	**35**
105	Luapula	Chembe	Kasomalwela	Sinkala	Chiswishi	14-Jul	12	6	18	15	14	2.00	6.00	1.20	2.00	1.50	7.50	2	0
106	Luapula	Chembe	Kundamfumu	Agness	Mufushi	8-Jul	15	6	21	18	14	2.50	8.00	1.50	3.00	2.00	10.00	2	0
107	Luapula	Chembe	Lukola	Singongo	Mintongwa	3-Aug	10	5	15	15	8	1.00	4.00	0.50	2.00	1.00	5.00	0	0
108	Luapula	Chembe	Luwo	Singongo	Twikatane	25-Aug	10	6	16	12	12	2.50	8.50	1.00	4.50	2.50	11.00	0	0
109	Luapula	Chembe	Luwo	Jenet	Luwo	3-Sep	9	5	14	8	7	0.55	3.00	0.50	1.00	0.50	3.50	0	0
110	Luapula	Chembe	Kundamfumu	Ngosa	Mwatwita	30-Jul	11	6	17	14	12	1.40	4.50	0.40	1.50	1.00	5.50	0	0
111	Luapula	Chembe	Lukola	Singongo	Muyengele	15-Aug	9	7	16	14	13	1.20	7.00	0.80	1.50	2.00	9.00	0	0
Chembe Total							**76**	**41**	**117**	**96**	**80.00**	**11.15**	**41.00**	**5.90**	**15.50**	**10.50**	**51.50**	**4**	**0**
112	Luapula	Mwense	Mwense Central	Cristine Kananda	Mwashi	2014/09	8	7	15	28	15	0.60	20.00	0.40	4.00	8.00	28.00	6	0
113	Luapula	Mwense	Mwense Central	Cristine Kananda	Conge	2014/07	12	8	20	20	11	0.30	18.00	0.20	4.00	2.00	20.00	0	0
114	Luapula	Mwense	Mwense Central	Cristine Kananda	Conge	2014/06	11	6	17	20	11	0.20	12.00	0.30	2.00	0.75	12.75	0	0
115	Luapula	Mwense	Mubende	Mukupa Bwalya	Lumande	2014/10	20	18	38	19	27	1.50	8.00	0.00	0.00	0.00	8.00	14	0
116	Luapula	Mwense	Munua	Mpambwe Kawama	Buyantanshi	2014/07	18	20	38	14	38	2.00	12.00	1.00	0.00	0.00	12.00	8	0
Mwense Total							**69**	**59**	**128**	**101**	**102.00**	**4.60**	**70.00**	**1.90**	**10.00**	**10.75**	**80.75**	**28**	**0**
117	Luapula	Kawambwa	Chisheta	Esther Mwale	Twamona	25-Jul	16	20	36	36	6	1.00	1.00	0.00	0.25	0.50	1.50	6	1
118	Luapula	Kawambwa	Chisheta	Esther Mwale	Tuumfwane	15-Jul	25	20	45	4	10	0.20	1.00	0.00	0.50	0.50	1.50	1	2
119	Luapula	Kawambwa	Folotiya	Mukosa Aaron	Tunduma	4-Aug	2	3	5	2	5	0.30	0.13	0.20	0.13	0.25	0.38	9	0
120	Luapula	Kawambwa	Folotiya	Mukosa Aaron	Tunduma	5-Sep	2	5	7	2	4	0.20	0.25	0.00	0.13	0.25	0.50	5	0
121	Luapula	Kawambwa	Musungu	Ngenda Joseph	Chibende	15-Sep	33	17	50	0	25	0.00	2.00	0.00	3.00	3.00	5.00	0	0
122	Luapula	Kawambwa	Shinonde	Lishimba Elizabeth	Munganunshi	25-Jun	14	9	23	0	15	0.15	0.75	0.05	0.00	0.00	0.75	0	0
123	Luapula	Kawambwa	Shinonde	Lishimba Elizabeth	Shinonde	20-Jul	14	3	17	0	17	2.50	0.00	0.00	0.00	0.00	0.00	10	0
124	Luapula	Kawambwa	Shinonde	Lishimba Elizabeth	Kala	7-Oct	25	15	40	0	40	1.50	0.00	0.00	0.25	0.00	0.00	25	0
125	Luapula	Kawambwa	Chibote Block	Chama Leonard	Kabale	28-Aug	31	24	55	9	23	0.30	0.25	0.15	0.21	0.00	0.25	150	0
126	Luapula	Kawambwa	Chibote Camp	Muyunda Given	Chikatwe	5-Sep	24	21	45	0	15	0.12	0.00	0.10	0.15	0.00	0.00	7	0
Kawambwa Total							**186**	**137**	**323**	**53**	**160.00**	**6.27**	**5.38**	**0.50**	**4.61**	**4.50**	**9.88**	**213**	**3**
127	Luapula	Nchelenge	Kabuta	Alex Sichula		15-Jul	2	12	14	14	11	0.00	0.25	0.20	1.00	1.00	1.25	0	0
128	Luapula	Nchelenge	Mwatishi	Alex Sichula		2014/08	11	6	17	9	15	0.00	0.50	0.30	2.50	2.50	3.00	0	0
129	Luapula	Nchelenge	Munsa	F. Mapulanga			2	0	2	1	2	0.00	0.25	0.10	0.50	0.50	0.75	1	1
Nchelenge Total							**15**	**18**	**33**	**24**	**28.00**	**0.00**	**1.00**	**0.60**	**4.00**	**4.00**	**5.00**	**1**	**1**
130	Luapula	Milenge	Mumanse	Shipopa.H	Muchemeshi	28-Jun	10	7	17	4	10	0.80	1.50	0.20	0.50	1.00	2.50	0	1
131	Luapula	Milenge	Mupita	Mwanda. B	Kansanda	17-Jun	20	12	32	10	15	0.20	1.00	0.10	2.00	1.00	2.00	0	4
132	Luapula	Milenge	Mulumbi	Mazunda. C .M	Bomba	20-Jun	12	8	20	5	8	0.25	1.00	0.00	0.00	0.00	1.00	0	0
Milenge Total							**42**	**27**	**69**	**19**	**33.00**	**1.25**	**3.50**	**0.30**	**2.50**	**2.00**	**5.50**	**0**	**5**
Luapula Province							**530**	**382**	**912**	**449**	**548.00**	**31.01**	**156.94**	**22.00**	**54.86**	**69.95**	**226.89**	**259**	**44**
3 Provinces							**1,751**	**1,227**	**2,978**	**1,661**	**1,601.00**	**162.59**	**556.24**	**59.03**	**300.56**	**230.45**	**786.69**	**303.5**	**51**

Monitoring Sheet for Simple Weir Schemes Constructed in 2015 (As of End of October, 2015)

Achievement (New Sites and Improvement Sites)

Year	Type	Province	District	Site No.	Camp Name	Name of the BEO/ CEO	Category of Officer	Site Name	Date Weir is Improved	No. of member Household	No. of member farmers			Weir Type*2	Canal Length (km)	Original + Newly Irrigated Area (lima)	No of Fish pond
											Male	Female	Total				
2015	New	Northern	KASAMA	4	Kapanda	Bwalya Mulenga	Main	Nsaje	23-Jul	15	12	3	15	2	0.6	2.0	4
2015	New	Northern	KASAMA	5	Kapanda	Bwalya Mulenga	Main	Kakoko	22-Jul	22	8	14	22	1	0.3	1.0	1
2015	New	Northern	KASAMA	6	Kapanda	Bwalya Mulenga	Main	Twikatan e	12-Aug	21	13	8	21	2	0.4	1.5	0
2015	New	Northern	KASAMA	7	Kapanda	Bwalya Mulenga	Main	Malanda	27-Oct	16	9	7	16	0	0.5	0.3	0
2015	New	Northern	KASAMA	8	Kapanda	Bwalya Mulenga	Main	Musanda	7-Jul	23	12	11	23	5	1.5	4.0	3
2015	New	Northern	KASAMA	9	Bulanda	Prekeria Mbewe	Main	Mumana Lupando	5-Aug	25	10	15	25	1	1.0	1.0	0
2015	New	Northern	KASAMA	10	Bulanda	Prekeria Mbewe	Main	Mubanga Lupiya	10-Aug	30	22	8	30	1	0.5	1.5	0
2015	New	Northern	KASAMA	11	Bulanda	Prekeria Mbewe	Main	Kaleya	12-Aug	20	11	9	20	1	1.5	2.0	0
2015	New	Northern	KASAMA	12	Mulanshi	Jeremiah Banda	Main	Luashya	20-Jun	35	15	20	35	2	1.5	3.5	0
2015	New	Northern	KASAMA	13	Mulanshi	Jeremiah Banda	Main	Lubusha	15-Jul	21	14	7	21	2	1.0	2.5	0
2015	New	Northern	KASAMA	14	Mulanshi	Phillip Chitongwa	TSB	Milundo	25-Jun	11	7	4	11	3	4.8	5.0	0
	New		KASAMA Total							239	133	106	239	20	13.57	24.25	8
2015	IMP	Northern	KASAMA	4	Milungu East	Andrew Nyirenda	Main	Mathew Mbulo	15-Sep	20	11	9	20	1	2.00	1.0	0
2015	IMP	Northern	KASAMA	5	Milungu East	Catherine Chileshe	TSB	Sume	13-Jul	25	12	13	25	3	3.00	1.5	0
2015	IMP	Northern	KASAMA	6	Mulanshi	Jeremiah Banda	Main	Mabula	23-Jun	16	7	9	16	1	3.50	7.0	10
2015	IMP	Northern	KASAMA	7	Mulanshi	Jeremiah Banda	Main	Lyoki	10-Jul								
2015	IMP	Northern	KASAMA	81	Kafwimbi	Francis Bwalya	TSB	Chimbala	11-Jun	12	9	3	12	1	2.30	12.00	0
	IMP		KASAMA Total							73	39	34	73	6	10.80	21.50	10
2015	New	Northern	LUWINGU	29	Luena	Matildah Nachona	Fellow	Mupeleka 1	10-Sep	18	18	18	36	2	1.5	3.0	0
2015	New	Northern	LUWINGU	30	Luena	Matildah Nachona	Fellow	Mupeleka 2	16-Jun	14	14	14	28	2	1.2	3.0	2
2015	New	Northern	LUWINGU	31	Katuta	Moonga Sibusenga	Main	Kashe	29-Jul	28	36	16	52	2	0.5	1.5	0
2015	New	Northern	LUWINGU	32	Katuta	Moonga Sibusenga	Main	Chishiba	6-Sep	11	18	8	26	2	0.5	1.0	0
2015	New	Northern	LUWINGU	33	Kapisha	Mulenga Henry	Main	Chishishe	6-Aug	15	15	10	25	3	0.6	1.5	0
2015	New	Northern	LUWINGU	34	Shimumbi	Simfukwe Thomas	Main	Mufubushi	7-Jun	27	27	30	57	3	1.5	1.0	0
2015	New	Northern	LUWINGU	35	Mufili	TSB (LWG)	TSB	Milandu Chibele	11-Aug	14	10	5	15	3	0.5	0.3	0
2015	New	Northern	LUWINGU	36	Mufili	TSB (LWG)	TSB	Chinyanga	14-May	12	11	5	16	3	0.7	0.3	0
2015	New	Northern	LUWINGU	37	Mufili	TSB (LWG)	TSB	Chitamba	16-Jul	10	11	6	17	3	0.2	0.5	0
	New		LUWINGU Total							149	160	112	272	23	7.15	12.00	2
2015	IMP	Northern	LUWINGU	25	Luena	Matildah Nachona	Fellow	Mupeleka	4-Jun	10	10	18	28	2	0.70	1.00	0
2015	IMP	Northern	LUWINGU	26	Kaatuta	Moonga Sibusenga	Main	Kaluba	11-Aug	21	15	20	35	2	1.00	1.00	0
2015	IMP	Northern	LUWINGU	27	Mfungwe	Brian Njovu	Main	Chishishe	6-Jul	31	16	22	38	2	0.50	0.80	0
	IMP		LUWINGU Total							62	41	60	101	6	2.20	2.80	0
2015	New	Northern	MBALA	15	Luchele	Memory Chisha	Main	Chiyanga	7-Jun	25	18	11	29	1	1.0	3.0	0
2015	New	Northern	MBALA	16	Luchele	Memory Chisha	Main	Kati	22-Jun	20	15	9	24	2	1.2	2.0	0
2015	New	Northern	MBALA	17	Lunzua	Farai Chigowe	Main	Chisa	4-Jun	25	18	14	32	1	2.0	3.5	0
2015	New	Northern	MBALA	18	Lunzua	Farai Chigowe	Main	Saise	29-Jun	17	15	12	27	1	1.5	4.0	0
2015	New	Northern	MBALA	19	Masamba	Bruno Mubanga	Main	Musisha	24-Jul	22	16	9	25	2	2.0	2.0	0
2015	New	Northern	MBALA	20	Masamba	Bruno Mubanga	Main	Kalwanga	8-Jul	15	12	7	19	2	1.9	3.0	0
2015	New	Northern	MBALA	21	Kawimbe	Cliff Kafula	Main	Kawama	11-Aug	18	14	8	22	2	2.0	2.0	0
2015	New	Northern	MBALA	22	Kawimbe	Cliff Kafula	Main	Lumi	27-Jun	17	15	5	20	1	1.0	1.5	0
2015	New	Northern	MBALA	23	Distrfict	Machua Kaira	TSB	Saise East	8-Jul	30	26	14	40	2	1.8	6.0	0
2015	New	Northern	MBALA	24	Distrfict	Machua Kaira	TSB	Kasulo	27-Aug	19	15	6	21	2	1.4	2.0	0
2015	New	Northern	MBALA	25	Distrfict	Annie Nyirongo	TSB	Mutwizi	28-Jul	15	13	9	22	2	1.2	3.0	0
2015	New	Northern	MBALA	26	Chindo	Chrispine Chirwa	Main	Chitusa	2-Jul	24	18	12	30	2	0.8	2.0	0
2015	New	Northern	MBALA	27	Chindo	Chrispine Chirwa	Main	Kapunda	6-Aug	20	19	14	33	1	0.9	1.0	0
2015	New	Northern	MBALA	28	Chindo	Chrispine Chirwa	Main	Misuku	28-Aug	27	30	12	42	2	1.0	2.0	0
	NEW		MBALA Total							294	244	142	386	22.9	19.70	37.00	0

Monitoring Sheet for Simple Weir Schemes Constructed in 2015 (As of End of October, 2015)

Achievement (New Sites and Improvement Sites)

Year	Type	Province	District	Site No.	Camp Name	Name of the BEO/ CEO	Category of Officer	Site Name	Date Weir is Improved	No. of member Household	No. of member farmers			Weir Type*2	Canal Length (km)	Original + Newly Irrigated Area (lima)	No of Fish pond
											Male	Female	Total				
2015	IMP	Northern	MBALA	8	Lucheche	Memory Chisha	Main	Chilatila	10-Jul	15	16	9	25	5	2.20	8.0	4
2015	IMP	Northern	MBALA	9	Lucheche	Memory Chisha	Main	Mwambezi	30-Jun	20	15	10	25	1	3.00	8.0	3
2015	IMP	Northern	MBALA	10	Lucheche	Memory Chisha	Main	Isanya	7-Sep	25	11	6	17	2	3.00	9.5	2
2015	IMP	Northern	MBALA	11	Lunzua	Farai Chigowe	Main	Ntulo	5-Aug	20	17	12	29	2	4.00	9.50	9
2015	IMP	Northern	MBALA	12	Lunzua	Farai Chigowe	Main	Ntenda Central	29-Sep	14	10	5	15	2	4.80	7.00	6
2015	IMP	Northern	MBALA	13	Lunzua	Farai Chigowe	Main	Kakonde	11-Aug	21	17	11	28	2	3.80	8.80	11
2015	IMP	Northern	MBALA	14	Masamba	Bruno Mubanga	Main	Chindo	7-Jul	15	14	4	18	2	2.80	4.00	0
2015	IMP	Northern	MBALA	15	Masamba	Bruno Mubanga	Main	Kalamanza	15-Aug	22	16	7	23	2	3.40	7.00	0
2015	IMP	Northern	MBALA	16	Masamba	Bruno Mubanga	Main	Chingombe	28-Jul	26	17	9	26	2	3.40	7.50	0
2015	IMP	Northern	MBALA	17	Kawimbe	Cliff Kafula	Main	Mpemba	5-Jul	29	19	11	30	2	3.50	10.00	0
2015	IMP	Northern	MBALA	18	Kawimbe	Cliff Kafula	Main	Mulalo	17-Aug	27	15	8	23	2	3.40	6.00	9
2015	IMP	Northern	MBALA	19	Kawimbe	Cliff Kafula	Main	Mwandwizi	6-Aug	15	9	5	14	2	3.20	5.20	0
2015	IMP	Northern	MBALA	20	District	Annie Nyirongo	TSB	Mwanakatwe	8-Jul	30	18	15	33	3	4.10	9.00	0
2015	IMP	Northern	MBALA	21	District	Annie Nyirongo	TSB	Muzwai	20-Jul	19	15	11	26	2	2.50	7.00	0
2015	IMP	Northern	MBALA	22	District	Annie Nyirongo	TSB	Ntenda East	2-Aug	15	12	7	19	2	4.50	6.50	0
2015	IMP	Northern	MBALA	23	Chindo	Chrispine Chirwa	Main	Manzi	4-Sep	17	14	8	22	1	3.40	3.00	0
2015	IMP	Northern	MBALA	24	Chindo	Chrispine Chirwa	Main	Chindo	10-Oct	29	17	13	30	1	1.90	3.00	0
	IMP		MBALA Total							359	252	151	403	35	56.90	119.00	44
2015	New	Northern	MPOROKOSO	60	Mpalapata	Gift Malumo	Main	Bundesha	Jul	9	11	5	16	2	1.3	3.0	0
2015	New	Northern	MPOROKOSO	61	Kambobe	Chipeta.K.	Main	Kambobe	1-Sep	5	5	7	12	1	0.5	2.0	0
2015	New	Northern	MPOROKOSO	62	Kambobe	Chipeta.K.	Main	Kopeka	4-Sep	7	8	10	18	1	1.0	3.0	4
2015	New	Northern	MPOROKOSO	63	Katutwa	Nakamba K.	Main	Kabwe Changala	30-Oct	35	71	139	210	3	0.4	0.5	0
2015	New	Northern	MPOROKOSO	64	Moseni	Chisanga.B.	Main	Kashingishi	24-Jun	15	15	4	19	2	1.0	2.0	1
2015	New	Northern	MPOROKOSO	65	Moseni	Chisanga.B.	Main	Pamba	28-Jul	17	26	8	34	1	0.5	0.0	0
2015	New	Northern	MPOROKOSO	66	Moseni	Chisanga.B.	Main	Maute	23-Jul	16	16	14	30	1	1.8	1.5	0
2015	New	Northern	MPOROKOSO	67	Moseni	Chisanga.B.	Main	Ming'omba	16-Jul	23	35	35	70	3	0.6	0.0	0
2015	New	Northern	MPOROKOSO	68	Moseni	Chisanga.B.	Main	Matipa	7-Aug	21	43	33	76	1	0.5	0.5	0
2015	New	Northern	MPOROKOSO	69	Moseni	Chisanga.B.	Main	Kanyambi	12-Sep	18	12	14	26	3	1.0	1.5	0
2015	New	Northern	MPOROKOSO	70	Moseni	Chisanga.B.	Main	Twabuke	3-Oct	12	8	10	18	1	0.3	0.5	0
2015	New	Northern	MPOROKOSO	71	Moseni	Chisanga.B.	Main	Malonge	13-Oct	20	13	10	23	3	0.5	1.5	0
2015	New	Northern	MPOROKOSO	72	Distrfict	Chininga.C.	TSB	Mipa	4-Jul	8	11	8	19	2	0.3	0.3	0
	New		MPOROKOSO Total							206	274	297	571	24	9.65	16.25	5
2015	IMP	Northern	MPOROKOSO	54	Mpalapata	Gift Malumo	Main	Kachikashi	3-Jul	8	8	2	10	2	1.75	5.50	2
2015	IMP	Northern	MPOROKOSO	55	Mpalapata	Gift Malumo	Main	Mukumba	12-Aug	4	5	3	8	0	1.20	4.00	3
2015	IMP	Northern	MPOROKOSO	56	Mpalapata	Gift Malumo	Main	Fitungulu	25-Sep	11	13	8	21	2	1.40	4.00	3
2015	IMP	Northern	MPOROKOSO	57	Kambobe	Chipeta.K.	Main	Kampanda	17-Jun	4	6	4	10	1	0.50	2.00	2
2015	IMP	Northern	MPOROKOSO	58	Kambobe	Chipeta.K.	Main	Kapanda	7-Aug	3	4	3	7	1	0.64	1.50	0
2015	IMP	Northern	MPOROKOSO	59	Kambobe	Chipeta.K.	Main	Lukonko	12-Oct	3	3	2	5	2	1.24	7.00	0
2015	IMP	Northern	MPOROKOSO	60	Kambobe	Chipeta.K.	Main	Chilando	9-Oct	4	6	4	10	1	0.75	2.50	0
2015	IMP	Northern	MPOROKOSO	61	Katutwa	Nakamba K.	Main	Nshindano	7-Jul	70	94	28	122	3	5.00	3.00	0
2015	IMP	Northern	MPOROKOSO	62	Katutwa	Nakamba K.	Main	Machango	11-Sep	75	35	14	49	3	4.00	3.00	0
2015	IMP	Northern	MPOROKOSO	63	Katutwa	Nakamba K.	Main	Mwita	14-Oct	35	100	21	121	2	10.00	4.00	1
2015	IMP	Northern	MPOROKOSO	64	Moseni	Chisanga.B.	Main	Monta	10-Jul	33	28	56	84	5	4.80	3.50	28
2015	IMP	Northern	MPOROKOSO	65	Moseni	Chisanga.B.	Main	Twampane	5-Aug	12	18	14	32	4	3.40	2.00	6
2015	IMP	Northern	MPOROKOSO	66	Moseni	Chisanga.B.	Main	Ninga	22-Sep	17	14	9	23	2	3.40	3.50	1
2015	IMP	Northern	MPOROKOSO	67	District	Chininga.C.	TSB	Mushutu	9-Sep	21	38	11	49	2	0.80	2.50	2
2015	IMP	Northern	MPOROKOSO	68	District	Chininga.C.	TSB	Kapanda	26-Sep	14	24	16	40	2	1.00	4.00	0
2015	IMP	Northern	MPOROKOSO	69	District	Chininga.C.	TSB	Lupungu	13-Oct	16	32	18	50	3	1.50	4.25	0
	IMP		MPOROKOSO Total							330	428	213	641	35	41.38	56.25	48

Monitoring Sheet for Simple Weir Schemes Constructed in 2015 (As of End of October, 2015)

Achievement (New Sites and Improvement Sites)

Year	Type	Province	District	Site No.	Camp Name	Name of the BEO/ CEO	Category of Officer	Site Name	Date Weir is Improved	No. of member Household	No. of member farmers			Weir Type*2	Canal Length (km)	Original + Newly Irrigated Area (lima)	No of Fish pond
											Male	Female	Total				
2015	New	Northern	MUNGWI	52	Chimbola	Mapopa Tembo	Main	Nsunka	25-Jun	45	70	30	100	2	0.8	1.5	0
2015	New	Northern	MUNGWI	53	Chimbola	Mapopa Tembo	Main	Kampangala	14-Jul	30	53	19	72	2	0.5	0.0	0
2015	New	Northern	MUNGWI	54	Chimbola	Mapopa Tembo	Main	Chitawa	19-Oct	26	28	12	40	2	0.5	0.5	0
2015	New	Northern	MUNGWI	55	Ngulula	Aroster Chiila	Main	Twalubuka Katilungu	22-Sep	17	18	13	31	1	0.8	4.1	0
2015	New	Northern	MUNGWI	56	Makasa	Cornerious Chibale	Main	Kandwindwi	7-Jul	18	11	14	25	1	0.5	0.0	0
	New		MUNGWI Total							136	180	88	268	8	3.10	6.10	0
2015	IMP	Northern	MUNGWI	44	Mungwi East	Judith Lombe	Main	Twikatane	10-Jul	20	12	13	25	1	4.00	25.00	3
2015	IMP	Northern	MUNGWI	45	Chimbola	Mapopa Tembo	Main	Chisekelele	27-Jul	10	13	12	25	2	0.50	6.00	0
2015	IMP	Northern	MUNGWI	46	Ngulula	Aroster Chiila	Main	Kanyalupe2	8-Aug	17	21	13	34	1	4.80	13.80	4
2015	IMP	Northern	MUNGWI	47	Malole South	TSB (MGW)	TSB	Mutamba2	15-Oct	29	30	40	70	1	4.50	16.00	4
2015	IMP	Northern	MUNGWI	48	Makasa	Cornerious Chibale	Main	Munyangala	16-Jul	20	19	15	34	2	2.00	1.75	2
2015	IMP	Northern	MUNGWI	49	Makasa	Cornerious Chibale	Main	Kala	8-Oct	8	7	4	11	1	1.00	0.25	0
2015	IMP	Northern	MUNGWI	50	Rosa	Chiza Mubeteka	Fellow	Isondwa	1-Oct	20	18	10	28	2	3.20	3.50	0
	IMP		MUNGWI Total							124	120	107	227	10	20.00	66.30	13
2015	New	Northern	NSAMA	39	Mukotwe	Annie Nakamba	Main	Chilulu	Aug	7	5	5	10	2	0.5	2.0	0
2015	New	Northern	NSAMA	40	Mukotwe	Annie Nakamba	Main	Mukotwe2	Aug	5	5	4	9	1	0.5	2.0	0
2015	New	Northern	NSAMA	41	Mukotwe	Annie Nakamba	Main	Mukotwe3	7-Jul	7	10	5	15	2	0.5	0.5	3
2015	New	Northern	NSAMA	42	Kananda	Annie Nakamba	Main	Aug	6-Aug	15	10	7	17	1	0.5	0.5	0
2015	New	Northern	NSAMA	43	Mukotwe	Mulise.C.	Fellow	Kalolo	1-Jul	5	6	6	12	1	0.5	0.5	1
2015	New	Northern	NSAMA	80	Munyele1	James Simwinga	Fellow	Kalolo	1-Jul	5	6	6	12	1	0.5	2.0	1
2015	New	Northern	NSAMA	81	Mukotwe3	Annie Nakamba	Main	Mukotwe3	7-Jul	7	10	5	15	2	0.5	2.0	0
2015	New	Northern	NSAMA	82	Munyele	James Simwinga	Fellow	Kananda3	8-Aug	15	16	7	23	1	0.5	2.0	0
	New		NSAMA Total							66	68	45	113	11	4.00	11.50	5
2015	IMP	Northern	NSAMA	34	Katele	Chinza	Main	Katele	Aug	6	5	3	8	1	2.50	3.00	0
2015	IMP	Northern	NSAMA	35	Katele	Chinza	Main	Kalolo2	Aug	5	4	3	7	2	1.00	2.00	0
2015	IMP	Northern	NSAMA	36	TSB	Mulise.C.	Fellow	Matete	Aug	20	15	5	20	1	0.35	1.00	0
2015	IMP	Northern	NSAMA	37	Munyele	Mulise.C.	Fellow	Kananda	Aug	21	17	5	22	2	0.50	2.00	0
2015	IMP	Northern	NSAMA	38	Mukotwe	Annie Nakamba	Main	Kambakwe	Aug	10	25	5	30	1	1.00	4.00	0
2015	IMP	Northern	NSAMA	39	Mukotwe	Annie Nakamba	Main	Mukotwe	Jul	5	6	6	12	2	0.80	2.00	1
2015	IMP	Northern	NSAMA	75	Munyele	James Simwinga	Fellow	Kalolo	1-Jul	5	6	6	12	2	0.80	2.00	1
2015	IMP	Northern	NSAMA	76	Mukotwe	Annie Nakamba		Mukotwe2	Aug	6	5	3	8	1	1.00	3.00	0
2015	IMP	Northern	NSAMA	77	Munyele	James Simwinga	Fellow	Matete	Aug	20	15	5	20	1	0.35	1.30	0
	IMP		NSAMA Total							98	98	41	139	13	8.30	20.30	2
	New		Northern P. Total							1,090	1,059	790	1,849	109	57.17	107.10	20
	IMP		Northern P. Total							1,046	978	606	1,584	105	139.58	286.15	117

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Achievement (New Sites and Improvement Sites)

Year	Type	Province	District	Site No.	Camp Name	Name of the BEO/ CEO	Category of Officer	Site Name	Date Weir is Improved	No. of member Household	No. of member farmers			Weir Type*2	Canal Length (km)	Original + Newly Irrigated Area (lima)	No of Fish pond
											Male	Female	Total				
2015	New	Muchinga	CHAMA	50	Nganjo	Wesley Musukwa	Main	Zoole	8-Sep	24	36	20	56	1	0.0	0.0	0
2015	New	Muchinga	CHAMA	51	Chikwa	Kaonga Moses	Main	Flaza	3-Sep	74	88	62	150	1	0.5	2.5	0
	New		CHAMA Total							98	124	82	206	2	0.50	2.50	0
2015	New	Muchinga	ISOKA	1	Lualizi	Elano Sakala	Fellow	Sichimata Sinkolongo	June	15	20	15	35	7	0.2	8.0	0
2015	New	Muchinga	ISOKA	2	Lualizi	Elano Sakala	Fellow	Siwila Sizala	June	12	15	8	23	7	0.5	10.0	0
2015	New	Muchinga	ISOKA	3	Kapililonga	George Tembo	Main	Wisi	25-Aug	20	17	19	36	2	0.2	1.0	0
2015	New	Muchinga	ISOKA	38	Lualizi	Elano Sakala	Fellow	Sichimata Sinkolongo	June	15	20	15	35	2	0.2	0.0	0
2015	New	Muchinga	ISOKA	87	Nzoche	Michael. M.	Main	Chashata	20-May	21	27	10	37	2	0.4	2.0	0
	New		ISOKA Total							83	99	67	166	20	1.45	21.00	0
2015	IMP	Muchinga	ISOKA	1	Lualizi	Elano Sakala	Fellow	Siwila Sizala(A)	17-Jun	15	20	15	35	7	0.20	16.00	0
2015	IMP	Muchinga	ISOKA	2	Lualizi	Elano Sakala	Fellow	Sichimata Sinkolongo	9-Jun	12	15	8	23	7	0.50	18.00	0
2015	IMP	Muchinga	ISOKA	80	Lualizi	Elano Sakala	Fellow	Sizala.B	20-Jun	10	14	13	27	2	1.20	15.00	0
2015	IMP	Northern	ISOKA	28	Kafwimbi	Francis Chishimba	Fellow	Kenya	20-Jun	13	12	7	19	3	1.90	28.00	4
2015	IMP	Northern	ISOKA	29	Nansala	Mwape Patrick	Fellow	Ngoza	17-May	16	15	5	20	2	0.30	12.00	0
2015	IMP	Northern	ISOKA	30	Nansala	Mwape Patrick	Fellow	Kameme	2-Jul	10	25	11	36	2	0.40	10.00	0
2015	IMP	Northern	ISOKA	31	Nansala	Mwape Patrick	Fellow	Milongo	6-Jun	20	20	8	28	2	0.70	16.00	5
2015	IMP	Northern	ISOKA	32	Kantenshya	Sampa Kangombe	Fellow	Chavungwa	8-Jun	15	12	14	26	2	0.30	12.00	0
2015	IMP	Northern	ISOKA	33	Kantenshya	Sampa Kangombe	Fellow	Namisalala	15-Jun	9	12	9	21	2	1.15	5.00	0
2015	IMP	Northern	ISOKA	79	Kantenshya	Sampa Kangombe	Fellow	Kachilika	2-Jul	14	9	8	17	2	0.50	9.00	0
2015	IMP	Northern	ISOKA	82	Nansala	Patrick Mwape	Fellow	Chinyansi Kafunda	1-Jul	13	15	12	27	2	2.60	20.00	0
	IMP		ISOKA Total							147	169	110	279	33	9.75	161.00	9
2015	New	Muchinga	MAFINGA	44	TSB Chitapo	Emmanuel Chibeluka	TSB	Lupita	22-Jun	21	18	22	40	2	0.3	4.0	1
2015	New	Muchinga	MAFINGA	45	TSB Thendele	Emmanuel Chibeluka	TSB	Jamba	3-Aug	19	26	19	45	4	0.2	4.0	0
2015	New	Muchinga	MAFINGA	46	Katanga	Mayembe Nicolas	Main	Kasalauka	26-Aug	13	9	17	26	2	0.2	1.0	0
2015	New	Muchinga	MAFINGA	47	Katanga	Mayembe Nicolas	Main	Mphalayi	11-Sep	16	23	14	37	2	0.1	1.0	0
2015	New	Muchinga	MAFINGA	48	Chifunda	Nathan Nkota	Main	Kambwili	3-Sep	10	21	14	35	1	0.2	4.0	0
2015	New	Muchinga	MAFINGA	49	Chifunda	Nathan Nkota	Main	Thiti	9-Oct	22	25	23	48	1	0.5	10.0	0
	New		MAFINGA Total							101	122	109	231	11.5	1.49	24.00	1
2015	IMP	Muchinga	MAFINGA	40	TSB Chanama	Emmanuel Chibeluka	TSB	Kabilya	20-Jul	20	23	28	51	5	1.70	3.00	0
2015	IMP	Muchinga	MAFINGA	41	Muyombe	Mayembe Nicolas	Main	Kalanga	13-Jul	33	72	33	105	5	2.00	5.00	0
2015	IMP	Muchinga	MAFINGA	42	Chifunda	Nathan Nkota	Main	Janakazi	28-Jul	5	7	10	17	2	0.20	4.00	0
2015	IMP	Muchinga	MAFINGA	43	Chifunda	Nathan Nkota	Main	Chifunda	20-Jul	19	18	25	43	2	0.70	5.00	0
	IMP		MAFINGA Total							77	120	96	216	14	4.60	17.00	0
2015	New	Muchinga	MPIKA	73	Kopa	Nakamba Dorice	Main	Mufundashi	17-Jun	11	9	7	16	2	2.0	1.0	2
2015	New	Muchinga	MPIKA	74	Mupamadzi	Lister Mukonka	Main	Lubunga	Oct	30	33	34	67	3	1.0	0.5	2
2015	New	Muchinga	MPIKA	75	Lukulu	Lilian Kasaka	Main	Lukulu	16-Jul	26	20	31	51	3	1.0	2.0	0
2015	New	Muchinga	MPIKA	76	Kabulamwiko	Mulenga Maureen	Main	Chiseke.A.	5-Jul	15	13	19	32	1	2.0	3.0	0
2015	New	Muchinga	MPIKA	77	Kabulamwiko	Mulenga Maureen	Main	Chiseke.B.	15-Sep	5	6	5	11	1	1.0	1.0	0
2015	New	Muchinga	MPIKA	78	Kabulamwiko	Mulenga Maureen	Main	Chiseke.C.	Oct	5	7	4	11	1	1.0	0.0	0
2015	New	Muchinga	MPIKA	79	District TSB	TSB (MPK)	TSB	Bwalya.F.	JUl	2	1	2	3	1	0.5	2.0	0
	New		MPIKA Total							94	89	102	191	12	8.50	9.50	4
2015	IMP	Muchinga	MPIKA	70	Mupamadzi	Lister Mukonka	Main	Mupamadzi	18-Aug	34	39	26	65	3	4.10	2.30	0
2015	IMP	Muchinga	MPIKA	71	Lukulu	Lilian Kasaka	Main	Lulingila	19-Aug	19	24	18	42	1	1.80	4.00	1
2015	IMP	Muchinga	MPIKA	72	Kabulamwiko	Mulenga Maureen	Main	Mulumba	15-Oct	10	15	7	22	2	3.00	13.50	0
2015	IMP	Muchinga	MPIKA	73	Kabulamwiko	Mulenga Maureen	Main	Mulumba	15-Oct	12	18	7	25	1	3.00	17.00	2
2015	IMP	Muchinga	MPIKA	74	D-TSB	TSB (MPK)	TSB	Mwila.P.	15-Aug	4	4	3	7	1	1.50	3.00	0
	IMP		MPIKA Total							79	100	61	161	8	13.40	39.80	3
2015	New	Muchinga	NAKONDE	83	Ntatumbila	Chipeta.J.	Main	Kamwakoko	17-Aug	18	36	27	63	1	0.5	0.0	0
2015	New	Muchinga	NAKONDE	84	Ntatumbila	Chipeta.J.	Main	Muleuke	7-Jul	25	19	16	35	1	1.5	1.0	0
2015	New	Muchinga	NAKONDE	85	Old Fife	Nzala.M.	Fellow	Nchelenje	19-Aug	15	19	26	45	1	0.5	1.0	0
2015	New	Muchinga	NAKONDE	86	Waitwika	Mwape.G.	Main	Nakawale	21-Aug	16	17	9	26	2	0.5	0.0	0
	New		NAKONDE Total							74	91	78	169	5	3.00	2.00	0

Monitoring Sheet for Simple Weir Schemes Constructed in 2015 (As of End of October, 2015)

Achievement (New Sites and Improvement Sites)

Year	Type	Province	District	Site No.	Camp Name	Name of the BEO/ CEO	Category of Officer	Site Name	Date Weir is Improved	No. of member Household	No. of member farmers			Weir Type*2	Canal Length (km)	Original + Newly Irrigated Area (lima)	No of Fish pond
											Male	Female	Total				
2015	IMP	Muchinga	NAKONDE	78	Waitwika	Mwape.G.	Main	Kazimu	18-Aug	11	12	7	19	2	0.75	1.50	0
	IMP		NAKONDE Total							11	12	7	19	2	0.75	1.50	0
2015	New	Muchinga	SHIWANG'ANDU	57	Mukungwa	Joackim.M.	TSB	Mukungwa	6-Jul	20	26	17	43	1	0.4	0.0	0
2015	New	Muchinga	SHIWANG'ANDU	58	C hasosa	Everson.M.	Main	Munjesa	3-Jul	12	13	16	29	22	0.8	0.0	0
2015	New	Muchinga	SHIWANG'ANDU	59	Musonko	Chanda. E.	Fellow	Mpelembe	24-Sep	10	10	6	16	4	0.2	2.0	1
	New		SHIWANG'ANDU Total							42	49	39	88	27	1.40	2.00	1
2015	IMP	Muchinga	SHIWANG'ANDU	51	Musonko	Chanda. E.	Fellow	Atumani	17-Sep	8	6	5	11	2	1.20	2.50	4
2015	IMP	Muchinga	SHIWANG'ANDU	52	District Chasosa	Brian Sazombo	TSB	Chiseko	14-Jul	7	9	6	15	2	0.70	5.00	0
2015	IMP	Muchinga	SHIWANG'ANDU	53	District	Brian Sazombo	TSB	Mpelembe	10-Sep	10	7	11	18	3	0.50	1.00	1
	IMP		SHIWANG'ANDU Total							25	22	22	44	7	2.40	8.50	5
	New		Muchinga P. Total							492	574	477	1,051	78	16.34	61.00	6
	IMP		Muchinga P. Total							339	423	296	719	64	30.90	227.80	17
2015	New	Luapula	CHEMBE	95	Chipete	Brian Manenga	Main	Lumbu	18-Jul	6	7	4	11	3	0.2	2.0	0
2015	New	Luapula	CHEMBE	96	Luwo	Janet Kaponda	Main	Happy	2-Jul	16	19	12	31	2	2.8	1.6	0
2015	New	Luapula	CHEMBE	97	Luwo	Janet Kaponda	Main	Luwo1	12-Jun	10	19	10	29	2	1.0	2.0	0
2015	New	Luapula	CHEMBE	98	Luwo	Janet Kaponda	Main	Luwo2	4-Aug	9	12	12	24	2	0.5	2.0	0
2015	New	Luapula	CHEMBE	99	Luwo	Janet Kaponda	Main	Lufusu	17-Aug	10	11	8	19	2	0.8	4.0	0
2015	New	Luapula	CHEMBE	100	Fikombo	Devious Mwiinga	Main	Kantele	21-Jun	12	12	8	20	2	0.3	1.0	0
2015	New	Luapula	CHEMBE	101	Lukola	Tonga N.	TSB	Twikatan e	Jun	15	10	6	16	2	0.8	1.8	0
	New		CHEMBE Total							78	90	60	150	15	6.30	14.40	0
2015	IMP	Luapula	CHEMBE	91	Luwo	Janet Kaponda	Main	Kasanga	12-Sep	12	12	9	21	3	1.40	2.50	0
	IMP		CHEMBE Total							12	12	9	21	3	1.40	2.50	0
2015	New	Luapula	CHIPILI	102	Kanshimba	Gift Phiri	TSB	Kanshimba	7-Oct	10	21	6	27	3	0..18	0.0	0
2015	New	Luapula	CHIPILI	103	Musalango	Barnabas Silomba	Main	Musufya	11-Aug	10	17	11	28	1	0.4	0.0	0
2015	New	Luapula	CHIPILI	104	Mupeta	Barnabas Silomba	Main	Dauti	16-Sep	20	15	20	35	2	0.7	0.3	0
2015	New	Luapula	CHIPILI	105	Kamami	Barnabas Silomba	Main	Kamami	11-Sep	5	4	7	11	1	0.2	0.2	0
2015	New	Luapula	CHIPILI	106	Mutipula	Sarah Goma	Main	Katwe	21-Oct	15	25	17	42	4	0.0	0.3	0
2015	New	Luapula	CHIPILI	107	Mukonshi	Mirriam Chikashi	Main	Chibalashi	12-Sep	20	12	20	32		0.1	0.2	0
	New		CHIPILI Total							80	94	81	175	11	1.43	1.00	0
2015	IMP	Luapula	CHIPILI	92	Musalango	Barnabas Silomba	Main	Mulila chembe	21-Aug	6	11	4	15	3	0.30	4.00	1
2015	IMP	Luapula	CHIPILI	93	Musonda	Batister Mwape	Fellow	Ifumapelo	29-May	9	6	8	14	1	0.20	1.00	0
	IMP		CHIPILI Total							15	17	12	29	4	0.50	5.00	1
2015	New	Luapula	KAWAMBWA	118	Chibote	Muyunda.K. Given	Main	Kasalila	8-Oct	6	5	5	10	2	0.1	0.0	0
2015	New	Luapula	KAWAMBWA	119	Chibote	Muyunda.K. Given	Main	Matinga	29-Oct	26	4	30	34	2	0.0	0.0	0
2015	New	Luapula	KAWAMBWA	120	Muyembe	Chiona Noah	Main	Bulembe1	8-Jul	9	5	8	13	3	0.2	0.0	0
2015	New	Luapula	KAWAMBWA	121	Chisulo	Chiona Noah	Main	Zakeyo	14-Aug	5	3	6	9	2	0.5	0.5	0
2015	New	Luapula	KAWAMBWA	122	Chipili	Chanda Stephen	Main	Ming'omba	30-Sep	40	15	10	25	2	0.5	0.5	0
2015	New	Luapula	KAWAMBWA	123	Chitondo	Owen Simwami	Main	Nashipikisha	28-Aug	12	10	7	17	2	0.2	0.3	0
2015	New	Luapula	KAWAMBWA	124	Chisheta	Priscilla Hamanyanga	Main	Mumpisa	18-Sep	6	15	9	24	2	0.0	0.0	0
	New		KAWAMBWA Total							104	57	75	132	15	1.47	1.25	0
2015	IMP	Luapula	KAWAMBWA	100	Chibote	Muyunda.K. Given	Main	Fikatwe	19-Aug	12	10	10	20	2	0.10	0.00	3
2015	IMP	Luapula	KAWAMBWA	101	Chibote	Muyunda.K. Given	Main	Kabale	24-Jun	25	22	30	52	2	0.20	1.00	52
2015	IMP	Luapula	KAWAMBWA	102	Chibote	Muyunda.K. Given	Main	Chibamba	1-Oct	5	3	3	6	2	0.05	0.00	4
2015	IMP	Luapula	KAWAMBWA	103	Munkanta	Priscilla Hamanyanga	Main	Kasanda	17-Jun	13	12	4	16	2	2.90	7.20	14
2015	IMP	Luapula	KAWAMBWA	104	Chisheta	Priscilla Hamanyanga	Main	Mumpisa	23-Oct	9	14	6	20	2	2.40	12.00	12
2015	IMP	Luapula	KAWAMBWA	105	Muyembe1	Chiona Noah	Main	Bulembe2	10-Sep	4	4	3	7	3	0.30	1.50	0
2015	IMP	Luapula	KAWAMBWA	106	Lusambo	Chiona Noah	Main	Kani	8-Sep	7	11	7	18	3	0.70	2.50	0
2015	IMP	Luapula	KAWAMBWA	107	Chipili	Chanda Stephen	Main	Musundu	7-Jun	19	20	7	27	2	0.30	1.25	2
2015	IMP	Luapula	KAWAMBWA	108	Chipili	Chanda Stephen	Main	Nonga	20-Jul	20	12	8	20	2	2.70	3.00	5
2015	IMP	Luapula	KAWAMBWA	109	Chipili	Chanda Stephen	Main	N'gona	10-Aug	9	8	7	15	2	4.00	3.50	0
2015	IMP	Luapula	KAWAMBWA	110	Muyembe	TSB (KWB)	TSB	Kashobwe	15-Jul	5	10	3	13	2	0.60	2.50	0
	IMP		KAWAMBWA Total							128	126	88	214	24	14.25	34.45	92

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											Male	Female	Total				
2015	New	Luapula	MANSA	90	Chibalashi	Taza Zulu	Main	Mulundu	23-Jul	10	36	12	48	0	18.0	0.1	0
2015	New	Luapula	MANSA	91	Mano	Mike Silume	Main	Mashinda	24-Jun	11	16	4	20	3	0.3	2.1	0
2015	New	Luapula	MANSA	92	Mano	Mike Silume	Main	Kabengele	9-Jul	15	21	3	24	3	0.1	0.0	0
2015	New	Luapula	MANSA	93	Ntoposhi	Raphael Matipa	Main	Kansoka1	23-Jun	8	11	0	11	3	0.2	1.5	1
2015	New	Luapula	MANSA	94	Ntoposhi	Raphael Matipa	Main	Kansoka2	10-Jul	5	5	2	7	3	0.2	2.5	0
	New		MANSA Total							49	89	21	110	12.4	18.74	6.15	1
2015	IMP	Luapula	MANSA	88	Chibalashi	Taza Zulu	Main	Nsange	22-Jun	8	8	4	12	3	0.50	4.25	0
2015	IMP	Luapula	MANSA	89	Ntoposhi	Raphael Matipa	Main	Twikatane Riverside	19-Sep	7	7	3	10	2	0.25	2.00	0
2015	IMP	Luapula	MANSA	90	Ntoposhi	Raphael Matipa	Main	Munweumo	22-Oct	6	6	3	9	2	0.20	2.00	0
	IMP		MANSA Total							21	21	10	31	7	0.95	8.25	0
2015	New	Luapula	MILENGE	139	Kabange	Lackson Banda	Main	Matontola	6-Jul	9	10	6	16	2	0.5	1.0	0
2015	New	Luapula	MILENGE	140	Kabange	Lackson Banda	Main	Mibembo	15-Jul	15	15	10	25	2	0.8	3.0	0
2015	New	Luapula	MILENGE	141	Kafwanka	Mandala Hara	Main	Kamwango	16-Aug	7	9	5	14	2	0.2	2.0	0
2015	New	Luapula	MILENGE	142	Kafwanka	Mandala Hara	Main	Akampumbulu	19-Sep	10	15	9	24	2	0.20	0.00	0
	New		MILENGE Total							41	49	30	79	8	1.65	6.00	0
2015	IMP	Luapula	MILENGE	122	Kabange	Lackson Banda	Main	Chiswishi	25-Jul	15	11	14	25	5	4.00	4.50	1
2015	IMP	Luapula	MILENGE	123	Kabange	Lackson Banda	Main	Chiswishi	19-Aug	7	6	6	12	5	3.50	2.75	0
2015	IMP	Luapula	MILENGE	124	Kabange	Lackson Banda	Main	Chiswishi	27-Aug	8	8	6	14	5	2.70	2.25	1
	IMP		MILENGE Total							30	25	26	51	15	10.20	9.50	2
2015	New	Luapula	MWANSABOMBWE	125	Chiilange	Douglas Kafula	Main	Kapweshi2	28-May	16	30	15	45	2	4.5	10.0	4
2015	New	Luapula	MWANSABOMBWE	126	Chiilange	Douglas Kafula	Main	Sebo	11-Jun	9	24	6	30	4	1.0	5.0	1
2015	New	Luapula	MWANSABOMBWE	127	Chiilange	Douglas Kafula	Main	Esther	17-Jul	10	18	7	25	2	0.5	1.5	2
2015	New	Luapula	MWANSABOMBWE	128	Kayo	Cryton Simbaya	Main	Kasenga	4-Aug	25	36	25	61	2	0.5	5.0	0
2015	New	Luapula	MWANSABOMBWE	129	Kayo	Cryton Simbaya	Main	Kambikambi	12-Jun	3	7	5	12	2	0.2	0.8	0
2015	New	Luapula	MWANSABOMBWE	130	Kabalange	Milio Sichila	Main	Mufuta	23-Jul	6	5	6	11	2	0.9	1.0	0
2015	New	Luapula	MWANSABOMBWE	131	Kayo	Kangwa Joseph	Fellow	Kayo	8-Jul	3	7	5	12	2	0.2	1.8	0
2015	New	Luapula	MWANSABOMBWE	132	Lufubu	Lostone Mwelwa	TSB	Chitipa	22-Aug	16	22	11	33	1	0.5	1.50	2
	New		MWANSABOMBWE Total							88	149	80	229	17	8.20	26.50	9
2015	IMP	Luapula	MWANSABOMBWE	111	Chiilange	Douglas Kafula	Main	Kapweshi	19-Jul								
2015	IMP	Luapula	MWANSABOMBWE	112	Lufubu	Chongo Prince	Main	Kafuma	10-Aug	25	7	5	12	2	2.40	8.50	0
2015	IMP	Luapula	MWANSABOMBWE	113	Mumbolo	Happy Lamba	Fellow	Shimumbolo	24-Aug	18	6	12	18	2	1.20	1.60	0
	IMP		MWANSABOMBWE Total							43	13	17	30	4	3.60	10.10	0
2015	New	Luapula	MWENSE	108	TSB Officer	D. Chikwekwe	TSB	Kasengu	24-Jul	21	15	23	38	4	1.0	1.0	0
2015	New	Luapula	MWENSE	109	TSB Officer	D. Chikwekwe	TSB	Chifokotola	Jul	8	6	8	14	1	1.0	2.0	0
2015	New	Luapula	MWENSE	110	Kankomba	H. Kalobwe	Main	Kamisashi	7-Jul	11	11	9	20	1	0.3	2.0	0
2015	New	Luapula	MWENSE	111	Kankomba	H. Kalobwe	Main	Ombela	15-Jul	13	4	14	18	1	2.0	1.0	0
2015	New	Luapula	MWENSE	112	TSB Officer	L. Mukwanje	TSB	Kote	Jul	16	12	8	20	1	0.4	1.0	0
2015	New	Luapula	MWENSE	113	Kashiba	L. Witika	Main	Natubalange	9-Jul	20	19	20	39	2	0.3	1.0	0
2015	New	Luapula	MWENSE	114	Kashiba	L. Witika	Main	Shimulonga	1-Jul	10	12	13	25	2	0.2	1.0	0
2015	New	Luapula	MWENSE	115	Kashiba	L. Witika	Main	Muyomba	3-Aug	5	6	0	6	2	0.2	2.0	0
2015	New	Luapula	MWENSE	116	Lukwesa	A. Katongo	Main	Kakumbi	2-Jul	4	6	3	9	4	3.4	2.0	0
2015	New	Luapula	MWENSE	117	Katuta	M. Chungu	Main	Kombe Fitebo	12-Jul	12	10	8	18	2	0.2	2.0	0
	New		MWENSE Total							120	101	106	207	20	8.85	15.00	0

Monitoring Sheet for Simple Weir Schemes Constructed in 2015 (As of End of October, 2015)

Achievement (New Sites and Improvement Sites)

Year	Type	Province	District	Site No.	Camp Name	Name of the BEO/ CEO	Category of Officer	Site Name	Date Weir is Improved	No. of member Household	No. of member farmers			Weir Type*2	Canal Length (km)	Original + Newly Irrigated Area (lima)	No of Fish pond
											Male	Female	Total				
2015	IMP	Luapula	MWENSE	94	Kankolmba	H. Kalobwe	Main	Finkesenge		4	4	4	8	1	0.45	5.00	0
2015	IMP	Luapula	MWENSE	95	Katuta	M. Chungu	Main	Fiteba	10-Aug	9	7	5	12	3	0.34	4.00	0
2015	IMP	Luapula	MWENSE	96	Lukwesa	A. Katongo	Main	Kanawa		3	8	6	14	4	3.00	6.00	3
2015	IMP	Luapula	MWENSE	97	Lukwesa	A. Katongo	Main	Lukwesa	4-Sep	3	3	7	10	2	1.20	3.00	2
2015	IMP	Luapula	MWENSE	98	Lukwesa	A. Katongo	Main	Kaimba	20-Sep	2	5	3	8	2	1.00	2.00	2
2015	IMP	Luapula	MWENSE	99	Kashiba	L. Mukwanje	TSB	Gershom	20-Aug	3	8	7	15	2	1.00	5.00	0
	IMP		MWENSE Total							24	35	32	67	14	6.99	25.00	7
2015	New	Luapula	NCHELENGE	133	Nchelenge Central	Besa Janet	Main	Kulungu	28-Jul	16	10		10	1	0.1	5.0	0
2015	New	Luapula	NCHELENGE	134	Nchelenge Central	Besa Janet	Main	Changa Fisali	8-Aug	12	8	4	12	13	0.0	0.0	0
2015	New	Luapula	NCHELENGE	135	Mulwe	Musonda.G.	Main	Chibolya	30-Jun	20	18	10	28	1	0.5	0.0	0
2015	New	Luapula	NCHELENGE	136	Mulwe	Musonda.G.	Main	Chipili	28-May	25	12	7	19	0	0.3	4.0	0
2015	New	Luapula	NCHELENGE	137	Mulwe	Musonda.G.	Main	Piyala	19-Jun	15	10	6	16	1	0.2	2.0	0
2015	New	Luapula	NCHELENGE	138	Kasamba	Musonda.G.	Main	Kaseketi	22-Sep	30	40	10	50	2	0.0	0.0	0
	New		NCHELENGE Total							118	98	37	135	18	1.10	11.00	0
	New		Luapula P. Total							678	727	490	1,217	116	47.74	81.30	10
	IMP		Luapula P. Total							273	249	194	443	71	37.89	94.80	102
	New		3 Provinces Total							2,260	2,360	1,757	4,117		121.25	249.40	36
	IMP		3 Provinces Total							1,658	1,650	1,096	2,746		208.37	608.75	236

Monitoring Sheet for Simple Weir Schemes Constructed in 2016 (As of End of October, 2016)

Achievement (New Sites)

No.	District	Camp	Name of TSB/BEO/CEO	Site Name	No. of menber Household	No. of member farmers			Canal Length	Area irrigated	No. of fish pond	Dissemination								Application							
												Dissemination by Officers to Farmers (Y: yes, N: no)								Application of Disseminated Technology by Farmers (Y: yes, N: no)							
												Irrigation Tech		Farming Tech						Irrigation Tech		Farming Tech					
						Male	Female	Total				O&M	On-Farm Irrigation	Contour-ridge	Soil Improve	Companion c ropping	Nutritious crop	Others	Market-Oriented Farming	O&M	On-Farm Irrigation	Contour-ridge	Soil Improve	Companion cropping	Nutritious crop	Others	Market-Oriented Farming
					Nos.	Nos.	Nos.	Σ Nos.	km	lima	Nos.																
1	Kasama	TSB	Francis K. Bwalya	Kateshi	14	8	16	24	2.80	12.60	4	Y	Y	Y	Y	Y	Y	N	Y	N	Y	Y	Y	Y	Y	N	Y
2	Kasama	TSB	Kanda Prudence	Kalulu	22	18	13	31	6.70	5.10	0	Y	Y	Y	Y	Y	Y	N	Y	N	Y	Y	Y	Y	Y	N	Y
3	Kasama	TSB	Catherine Chileshe	Misambo	24	9	7	16	1.80	12.00	0	Y	Y	N	Y	Y	Y	N	Y	N	Y	N	Y	Y	Y	Y	Y
4	Kasama	TSB	Phillip Chitongwa	Milundo	17	12	18	30	2.30	4.00	0	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y
5	Kasama	TSB	Phillip Chitongwa	Sume	42	10	12	22	4.10	7.00	2	Y	Y	N	Y	N	Y	Y	Y	N	Y	Y	N	Y	Y	N	Y
6	Kasama	TSB	Phillip Chitongwa	Raphael Mubanga	52	24	18	42	3.90	2.30	12	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y
7	Kasama	TSB	Phillip Chitongwa	Mankalala	17	12	8	20	2.40	6.70	0	Y	N	Y	Y	Y	N	Y	Y	N	Y	N	Y	Y	Y	N	Y
8	Kasama	Kasonde Chisuna	Vainess Zulu	Kaseke	27	29	23	52	2.50	4.50	0	Y	Y	N	N	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	N	Y
9	Kasama	Kasonde Chisuna	Vainess Zulu	Chisanga	13	11	9	20	0.75	1.50	0	Y	Y	Y	Y	N	Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y
10	Kasama	Chilufya	Gift Zimba	Maipambe	21	32	28	60	0.57	0.20	0	Y	N	N	Y	N	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y
11	Kasama	Chilufya	Gift Zimba	Chimalilo	17	20	10	30	0.30	2.00	0	Y	Y	Y	Y	Y	Y	Y	N	Y	N	Y	Y	Y	N	N	N
12	Kasama	Chilufya	Gift Zimba	Petelonsabo	8	14	11	25	0.40	4.00	0	Y	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N
13	Kasama	Chilufya	Gift Zimba	Chibote	9	20	15	35	0.30	7.00	0	Y	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N
14	Kasama	Chilufya	Gift Zimba	Moboshi	7	8	13	21	0.30	0.50	0	Y	Y	N	Y	N	Y	N	Y	N	N	N	N	Y	N	Y	N
Kasama Total					290	227	201	428	29.12	69.40	18																
15	Mungwi	Chafumbu	Andrew Timba	Nsongolo	15	25	12	37	1.00	4.00	2	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N
16	Mungwi	Chafumbu	Andrew Timba	Munwa	12	13	15	28	1.20	3.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N
17	Mungwi	TSB	Judith Nanyangwe	Pamuchina	11	18	20	38	2.60	8.20	0	Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	Y	N	Y	Y	N
18	Mungwi	Mungwi west	Karen Chilembo	Chendela	16	35	32	67	3.50	5.00	1	Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	Y	N	Y	Y	N
19	Mungwi	Nseluka	Lucy Nkhoma	Chishimba	19	30	26	56	1.40	2.60	0	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	N
20	Mungwi	Nseluka	Lucy Nkhoma	Kapata	15	25	20	45	1.00	2.30	0	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	N
21	Mungwi	Chonya	Robert Chanda	Nseko	20	15	20	35	1.00	6.00	3	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N
22	Mungwi	Chonya	Robert Chanda	Kalilaku Swela	30	25	15	40	1.50	8.00	4	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N
23	Mungwi	Malole North	Augustine Katuwende	Bwambi	24	17	15	32	0.80	6.40	0	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
24	Mungwi	TSB	Olivier Chanda	Kampanda	15	20	18	38	1.00	8.00	7	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	N
Mungwi Total					177	223	193	416	15.00	53.50	17																
25	Luwingu	Shimumbi	Gerald Kawimbe	Mubeshe	48	27	31	58	0.70	4.00	0	Y	Y	Y	Y	N	N	N	Y	Y	Y	Y	N	N	N	N	Y
26	Luwingu	Shimumbi	Gerald Kawimbe	Fikonkota	51	33	21	54	0.90	4.80	0	Y	Y	Y	Y	N	N	N	N	Y	Y	N	Y	N	N	N	N
27	Luwingu	Chifwile	Kelvin Mumba	Bushimbe	12	9	13	22	0.80	0.40	1	Y	Y	Y	Y	N	Y	N	Y	Y	Y	Y	Y	N	N	N	Y
28	Luwingu	Chibaya	Joshua Muyunda	Chibusa	10	6	4	10	0.10	10.00	0	Y	Y	Y	N	N	Y	N	Y	Y	Y	Y	N	N	Y	N	Y
29	Luwingu	Chibaya	Joshua Muyunda	Mulala	11	8	3	11	0.10	8.00	0	Y	Y	Y	N	N	Y	N	Y	Y	Y	Y	N	N	Y	N	Y
30	Luwingu	TSB	Chabu Stanley	Chifumo	12	7	5	12	0.70	2.80	0	Y	Y	Y	N	N	N	N	N	Y	N	N	N	N	N	N	N
Luwingu Total					144	90	77	167	3.30	30.00	1																

Monitoring Sheet for Simple Weir Schemes Constructed in 2016 (As of End of October, 2016)

Achievement (New Sites)

No.	District	Camp	Name of TSB/BEO/CEO	Site Name	No. of menber Household	No. of member farmers			Canal Length	Area irrigated	No. of fish pond	Dissemination								Application							
												Dissemination by Officers to Farmers (Y: yes, N: no)								Application of Disseminated Technology by Farmers (Y: yes, N: no)							
												Irrigation Tech		Farming Tech						Irrigation Tech		Farming Tech					
												O&M	On-Farm Irrigation	Contour-ridge	Soil improve	Companion cropping	Nutritious crop	Others	Market-Oriented Farming	O&M	On-Farm Irrigation	Contour-ridge	Soil improve	Companion cropping	Nutritious crop	Others	Market-Oriented Farming
					Nos.	Nos.	Nos.	Σ Nos.	km	lima	Nos.																
31	Mbala	Chindo	Chirwa Chrispin	Chozi	11	9	2	11	0.50	4.00	0	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	N	Y	Y	Y	Y
32	Mbala	Chindo	Chirwa Chrispin	Nsundu	20	17	20	37	1.00	10.00	1	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	N	Y	Y	Y	Y
33	Mbala	Tanzuka	Sichimata Aaron	Kaezuma	12	12	8	20	0.60	1.50	0	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
34	Mbala	Tanzuka	Sichimata Aaron	Chimana	15	9	6	15	0.80	2.00	0	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
35	Mbala	Tanzuka	Sichimata Aaron	Kantonga	14	9	6	15	0.75	2.00	0	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
36	Mbala	Nsokolo	Chisha Valentine	Chindi	20	26	11	37	2.60	6.00	0	N	Y	N	N	Y	Y	Y	Y	N	Y	N	N	Y	Y	Y
37	Mbala	Nsokolo	Chisha Valentine	Mwala	8	9	5	14	1.50	4.00	0	N	Y	N	N	Y	Y	Y	Y	N	Y	N	N	Y	Y	Y
38	Mbala	Kaka	Siamayaba Kebby	Kafinga	7	8	9	17	1.50	3.50	0	N	Y	N	N	Y	Y	N	Y	N	Y	N	N	Y	Y	Y
39	Mbala	Kaka	Siamayaba Kebby	Nsindano	20	21	20	41	2.00	8.00	0	N	Y	N	N	N	Y	Y	N	N	Y	N	N	Y	Y	Y
40	Mbala	Kaka	Siamayaba Kebby	Chavuma	18	18	19	37	0.50	6.00	0	N	Y	N	N	Y	Y	Y	Y	N	Y	N	N	N	N	Y	N
41	Mbala	Kaka	Siamayaba Kebby	Kamuzwazi	30	32	30	62	1.00	8.00	0	N	Y	N	N	N	Y	N	N	N	Y	N	N	N	N	N	N
42	Mbala	Kaka	Nyirongo Annie	Chipila	12	18	8	26	1.20	4.00	0	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y
43	Mbala	Masamba	Kaira Machua	Nyambwe	14	15	5	20	1.00	2.50	0	Y	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
Mbala Total					201	203	149	352	14.95	61.50	1																
44	Mporokoso	Chiwala	Chininga Collins	Katutwa	29	29	19	48	2.00	1.50	0	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y
45	Mporokoso	C. Muamba	Mweempwa Catherine	Mwembeshi	34	15	17	32	1.00	1.00	2	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y
46	Mporokoso	Cheue	Chunda Botha	Ponde	17	13	10	23	0.80	2.00	2	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y
47	Mporokoso	Cheue	Chunda Botha	Kapisha	21	18	17	35	1.00	4.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y
48	Mporokoso	Kapumo	Chaiwa Peter (Fellow)	Mulpenga	21	12	11	23	0.35	2.00	0	Y	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
49	Mporokoso	Kapumo	Chaiwa Peter (Fellow)	Mulama	30	17	30	47	0.40	1.20	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
50	Mporokoso	Kapumo	Halwiindi Stepples	Fibwe	18	15	8	23	0.50	5.00	0	Y	Y	N	Y	Y	Y	N	Y	Y	Y	N	Y	Y	Y	Y
Mporokoso Total					170	119	112	231	6.05	16.70	4																
51	Nsama	TSB	Clement Mulife	Malunda (2)	5	5	5	10	0.50	1.50	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y
52	Nsama	Mwewe	James Lwangwa	Cholwe	6	6	5	11	1.00	2.00	0	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N	Y	Y	Y	Y
Nsama					11	11	10	21	1.50	3.50	0																
Northern P					**993**	**873**	**742**	**1615**	**69.92**	**234.60**	**41**																
53	Mpika	Mukongole	Kennedy Munthali	Minofu	22	30	32	62	3.00	10.00	0	N	Y	N	N	N	N	N	Y	N	Y	N	N	N	Y	N	Y
54	Mpika	Katibunga	Kennedy Munthali	Kashila	25	45	30	75	3.00	6.00	0	N	Y	N	N	N	N	N	Y	N	Y	N	N	N	Y	N	Y
55	Mpika	Katibunga	Kennedy Munthali	Chakolwa	28	38	29	67	3.00	8.00	3	N	Y	N	N	N	N	N	Y	N	Y	N	N	N	Y	N	Y
56	Mpika	Chobela	Florence Bwalya	Chobela	87	41	37	78	0.50	8.00	0	N	Y	N	N	N	N	N	Y	N	Y	N	N	N	N	N	Y
57	Mpika	Chobela	Florence Bwalya	Chilyaba	27	17	9	26	1.00	4.00	0	N	Y	N	N	N	Y	N	Y	N	Y	N	N	N	Y	Y	Y
58	Mpika	Chobela	Florence Bwalya	Chilyaba	47	21	11	32	3.00	8.00	0	N	Y	N	N	N	Y	N	Y	N	Y	N	N	N	Y	Y	Y
59	Mpika	Mabonga	Ngandu Geoffrey	Fisnge	10	16	18	34	1.30	5.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	N	Y	N	Y
60	Mpika	Kabula Mwiko	Simbeya Peter	Kaseke D	10	24	26	50	1.50	8.00	0	Y	Y	N	N	Y	N	N	Y	N	Y	N	N	Y	N	N	Y
Mpika Total					256	232	192	424	16.30	57.00	3																
61	Shiwang'andu	Philipo	Patricia Mulemba	Musowa	15	13	17	30	1.30	2.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
62	Shiwang'andu	Mukungwa	Amos Kampamba	Mwango	35	35	35	70	0.50	0.50	1	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y
Shiwang'andu total					50	48	52	100	1.80	2.50	1																
63	Nakonde	Shem	Angelina Moono	Namutambala	12	10	12	22	1.50	0.40	0	Y	Y	N	N	Y	Y	Y	N	Y	Y	N	N	N	Y	Y	Y
64	Nakonde	Shem	Angelina Moono	Isofu	8	9	3	12	1.00	1.00	0	Y	Y	Y	Y	N	Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y
65	Nakonde	Ndingindi	Nyasulu Phillip	Mutakwa	7	6	4	10	0.10	0.50	0	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N
66	Nakonde	Ndingindi	Nyasulu Phillip	Katukauchu	9	8	5	13	0.20	1.00	0	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N
67	Nakonde	Kantongo	Muyunda Mukelabai	Nakawale	6	25	15	40	0.50	0.50	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	N
68	Nakonde	Kantongo	Muyunda Mukelabai	Kantongo	9	30	20	50	0.50	0.50	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	N
Nakonde Total					51	88	59	147	3.80	3.90	0																

Monitoring Sheet for Simple Weir Schemes Constructed in 2016 (As of End of October, 2016)

Achievement (New Sites)

No.	District	Camp	Name of TSB/BEO/CEO	Site Name	No. of member Household	No. of member farmers			Canal Length	Area irrigated	No. of fish pond	Dissemination								Application							
												Dissemination by Officers to Farmers (Y: yes, N: no)								Application of Disseminated Technology by Farmers (Y: yes, N: no)							
												Irrigation Tech		Farming Tech						Irrigation Tech		Farming Tech					
												O&M	On-Farm Irrigation	Contour-ridge	Soil improve	Companion cropping	Nutritious crop	Others	Market-Oriented Farming	O&M	On-Farm Irrigation	Contour-ridge	Soil improve	Companion cropping	Nutritious crop	Others	Market-Oriented Farming
					Nos.	Nos.	Nos.	Σ Nos.	km	lima	Nos.																
69	Isoka	Lualizi	Elano Sakala	Sinkolongo	48	18	21	39	1.00	35.00	4	Y	Y	N	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	N	Y
70	Isoka	Lualizi	Elano Sakala	Jasusi	15	13	9	22	0.28	5.00	3	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
71	Isoka	Lualizi	Elano Sakala	Caswa	12	10	8	18	0.35	4.50	0	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	N	Y
72	Isoka	Kantenshya	Sampa Kagombe	Namota	12	14	5	19	0.60	7.00	0	Y	Y	N	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	N	Y
73	Isoka	Kantenshya	Sampa Kagombe	Mukangala	15	12	8	20	0.90	20.00	8	Y	Y	N	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	N	Y
74	Isoka	Nzoche	Mulenga Michael	Chashata	15	20	10	30	0.45	8.00	0	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	N	Y
75	Isoka	Kapililonga	George Tembo	Wisi	20	13	10	23	0.25	2.00	1	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	N	Y
76	Isoka	Kafwimbi	Kaluya Lukonde	Kenya A	25	20	15	35	0.75	9.00	2	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y
77	Isoka	Kafwimbi	Kaluya Lukonde	Kenya B	20	11	10	21	0.95	10.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y
78	Isoka	Isoka Central	Patrick Mumba	Chiyansi	4	5	6	11	0.30	4.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y
79	Isoka	Lualizi	Elano Sakala	Sizala B	35	24	20	44	0.80	18.00	0	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	N	Y
80	Isoka	Kafwimbi	Kaluya Lukonde	Chimbala	25	21	10	31	1.20	20.00	0	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	N	Y
Isoka Total					246	181	132	313	7.83	142.50	18															
81	Mafinga	Mulekatembo	Mwale Hellen	Sindabulanda	22	19	22	41	0.20	1.50	0	Y	Y	Y	Y	Y	Y	N	N	Y	Y	N	Y	N	Y	Y
82	Mafinga	Mulekatembo	Mwale Hellen	Pwazi	31	28	35	63	1.10	1.00	0	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N	N	N	Y	Y
83	Mafinga	Mulekatembo	Mwale Hellen	Muleya	23	20	38	58	0.50	1.20	0	Y	Y	N	Y	N	Y	N	Y	Y	Y	Y	Y	Y	N	Y
84	Mafinga	Chitapo	Emmanuel Chibeluka	Kazilamupapa	15	21	28	49	0.30	2.00	0	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	N	Y
85	Mafinga	Chitapo	Katwishi Samuel	Muleba	21	20	32	52	0.40	4.00	1	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	N	Y
86	Mafinga	Chitapo	Katwishi Samuel	Chikwindima	18	22	27	49	0.20	1.50	0	Y	Y	N	Y	N	Y	N	N	Y	Y	N	Y	N	Y	Y
87	Mafinga	Twenela	Musukwa Misheck	Chikunkuzya	20	17	24	41	0.20	2.00	0	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	Y	N	N
88	Mafinga	Wiya	Musukwa Misheck	Tizengebubo	30	22	28	50	0.15	3.00	0	Y	Y	N	Y	N	Y	N	N	Y	Y	N	Y	N	Y	N
Mafinga Total					180	169	234	403	3.05	16.20	1															
Muchinga P					**783**	**718**	**669**	**1387**	**32.78**	**222.10**	**23**															
89	Mansa	Kabende	Kapembwa Chomba	Kansenga	10	10	10	20	1.00	3.00	0	Y	Y	Y	Y	Y	Y	N	Y	N	Y	N	Y	N	Y	Y
90	Mansa	Kabende	Kapembwa Chomba	Kafukauka	5	5	5	10	0.25	0.25	1	Y	Y	Y	Y	Y	Y	N	Y	N	Y	N	Y	N	Y	Y
91	Mansa	Chikonshi	Kabwe Delgracious	Myengele	11	16	4	20	0.40	5.50	0	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	N	Y	N	Y
92	Mansa	Muchinka	Sikazwe Donald	Thomas1	10	10	0	10	0.25	0.00	0	N	Y	Y	N	Y	N	Y	Y	N	Y	Y	N	Y	Y	N
93	Mansa	Muchinka	Sikazwe Donald	Thomas2	7	7	0	7	0.25	0.00	0	N	Y	Y	N	Y	Y	Y	Y	N	Y	Y	N	Y	Y	N
94	Mansa	Kapyata	Chanda Stephen	Munwa 2	28	23	5	28	2.00	5.50	0	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	N	Y
95	Mansa	Kapyata	Chikwemba Anthony	Minoni	8	7	1	8	0.10	0.50	0	Y	Y	Y	Y	Y	N	N	Y	N	Y	N	Y	N	N	N
Mansa total					79	78	25	103	4.25	14.75	1															
96	Milenge	Ngomba	Yobe Zulu	Ngomba	13	15	10	25	0.03	0.10	0	Y	Y	N	Y	Y	Y	Y	N	Y	Y	N	Y	Y	N	N
97	Milenge	Mumanse	Yobe Zulu	Kanongo	30	17	9	26	0.50	0.25	0	Y	Y	N	Y	Y	Y	Y	N	Y	Y	N	Y	Y	N	N
98	Milenge	Milambo	Sinkala Elliah	Mapula	15	8	17	25	0.05	0.05	0	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y
99	Milenge	Milambo	Sinkala Elliah	Itemba	3	5	1	6	0.50	1.00	0	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y
Milenge Total					61	45	37	82	1.08	1.40	0															
100	Nchelenge	Munsa	Farai Mapulanga	Chansa 1	7	7	6	13	0.10	3.00	0	N	N	N	Y	N	Y	N	N	N	Y	N	Y	N	Y	N
101	Nchelenge	Munsa	Farai Mapulanga	Anthore	5	6	4	10	0.05	0.00	0	N	N	N	Y	N	Y	N	N	N	Y	N	Y	N	Y	N
102	Nchelenge	Kenani	Banda Busuman	Kalweo	20	9	15	24	0.08	0.00	0	N	Y	N	Y	Y	Y	N	N	N	N	N	N	N	N	N
103	Nchelenge	Kenani	Banda Busuman	Kasensele	26	17	13	30	0.07	2.00	0	N	Y	N	Y	Y	Y	N	N	N	Y	N	Y	Y	N	N
Nchelenge Total					58	39	38	77	0.30	5.00	0															
104	Chembe	Kunda Mfumu	Agness Mumba	Fimpokolo	15	15	7	22	0.70	2.00	0	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y
105	Chembe	Lukola	Singogo Alinani	Musumali	12	12	5	17	0.70	2.00	0	N	Y	Y	Y	N	Y	Y	Y	N	Y	Y	Y	N	Y	Y
106	Chembe	Kasomalwela	Chanda Justin	Chiswishi 2	10	12	5	17	0.70	3.50	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Chembe Total					37	39	17	56	2.10	7.50	0															

Monitoring Sheet for Simple Weir Schemes Constructed in 2016 (As of End of October, 2016)

Achievement (New Sites)

No.	District	Camp	Name of TSB/BEO/CEO	Site Name	No. of menber Household	No. of member farmers			Canal Length	Area irrigated	No. of fish pond	Dissemination								Application							
												Dissemination by Officers to Farmers (Y: yes, N: no)								Application of Disseminated Technology by Farmers (Y: yes, N: no)							
												Irrigation Tech		Farming Tech					Market-Oriented Farming	Irrigation Tech		Farming Tech					Market-Oriented Farming
												O&M	On-Farm Irrigation	Contour-ridge	Soil improve	Companion cropping	Nutritious crop	Others		O&M	On-Farm Irrigation	Contour-ridge	Soil improve	Companion cropping	Nutritious crop	Others	
					Nos.	Nos.	Nos.	Σ Nos.	km	lima	Nos.																
107	Chipili	Musalango	Brian Mulamba	Kalofya	3	4	3	7	0.30	1.00	0	Y	Y	Y	N	N	N	N	Y	Y	Y	Y	N	N	N	Y
108	Chipili	Lupoposhi	Numbwa Juvenile	Shimamba C.	2	1	3	4	0.80	1.00	0	N	Y	N	Y	N	Y	Y	Y	Y	Y	N	N	N	Y	N	Y
109	Chipili	Kalundu	Mvula Samuel	Kapwenge	9	11	7	18	0.90	2.00	0	N	Y	Y	N	Y	Y	N	Y	N	Y	Y	N	Y	N	N	Y
110	Chipili	Kalundu	Mvula Samuel	Milayi	15	18	11	29	1.20	3.50	1	N	Y	Y	N	Y	Y	N	Y	N	Y	Y	N	Y	N	N	Y
111	Chipili	Musele	Chola Chuma	Kansonta	7	5	0	5	0.50	0.50	0	Y	Y	N	Y	Y	N	N	Y	Y	Y	N	N	N	N	N	Y
112	Chipili	Musele	Chola Chuma	Lufubu	18	12	3	15	2.10	2.00	0	Y	Y	Y	N	N	N	N	Y	Y	Y	N	N	N	Y	N	Y
113	Chipili	Musele	Chola Chuma	Muyitobele	4	3	0	3	0.90	1.00	0	N	Y	N	N	Y	Y	Y	Y	N	Y	N	N	Y	Y	Y	Y
Chipili total					58	54	27	81	6.70	11.00	1																
114	Kawambwa	Shinonde	Ocran Silaize	Kaputi I	5	7	2	9	0.07	1.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
115	Kawambwa	Shinonde	Ocran Silaize	Kaputi II	7	9	1	10	0.50	0.50	0	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
116	Kawambwa	Shinonde	Ocran Silaize	Akapama	4	4	1	5	0.20	0.00	0	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y
117	Kawambwa	Shinonde	Ocran Silaize	Kakolwe	3	4	0	4	0.90	0.25	0	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y
118	Kawambwa	Musungu	Ngenda Joseph	Mapala	5	7	2	9	0.60	0.50	2	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	N	N	Y	N	N
119	Kawambwa	Musungu	Ngenda Joseph	Nkutu	11	13	4	17	2.00	0.50	0	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	N	N	Y	N	N
120	Kawambwa	Lengwe	Elliot Phiri	Chifisa	6	4	3	7	1.00	3.00	0	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	N	Y	N	Y	Y
121	Kawambwa	Lengwe	Elliot Phiri	Kakoma	9	11	6	17	1.30	1.30	0	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
122	Kawambwa	Muyembe	Peggy Makofi	Chifwesa	5	8	7	15	2.00	0.50	0	N	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	N	Y
123	Kawambwa	Muyembe	Peggy Makofi	Lubulafita	8	15	13	28	2.00	1.00	0	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	N	Y
124	Kawambwa	Lengwe	Elliot Phiri	Mukobe	11	8	6	14	1.80	2.50	0	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y
125	Kawambwa	Kabanda	Clement Muleya	Kamumba	12	14	18	32	0.50	1.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	N	Y
126	Kawambwa	Kabanda	Clement Muleya	Katuna	18	21	17	38	1.00	1.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y
127	Kawambwa	Kabanda	Clement Muleya	Mpashi	5	6	2	8	0.80	2.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y
128	Kawambwa	Kabanda	Clement Muleya	Musambeshi	6	8	4	12	1.00	1.50	0	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y
Kawambwa Total					115	139	86	225	15.67	16.55	2																
129	Mwense	Mubende	Chalwe John	Mubende	10	12	9	21	1.50	3.00	5	Y	Y	N	N	Y	Y	N	Y	Y	Y	N	N	Y	Y	Y	Y
130	Mwense	Mubende	Chalwe John	Loto	8	15	13	28	1.00	5.00	6	Y	Y	Y	N	N	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y
Mwense Total					18	27	22	49	2.50	8.00	11																
131	Mwansabombwe	Chilange	Melwa Lostone	Kapweshi 3	12	10	6	16	1.20	3.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y
132	Mwansabombwe	Kapesa	Ngenda Inambao	Kasengu 2	11	14	9	23	1.30	2.50	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
133	Mwansabombwe	Kapesa	Sakala Pearson	Shitima	9	21	26	47	0.80	0.75	0	Y	Y	N	Y	N	Y	Y	Y	N	Y	N	Y	N	Y	Y	Y
134	Mwansabombwe	Kapesa	Sakala Pearson	Munushi	8	12	7	19	0.90	0.50	0	Y	Y	N	N	N	Y	Y	Y	N	Y	N	Y	N	Y	Y	N
135	Mwansabombwe	Kayo	Kangwa Joseph	Mukamba	22	8	18	26	0.90	4.00	0	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N	N	Y	N	N	Y
136	Mwansabombwe	Kabalenge	Kangwa Joseph	Mulalami	6	3	9	12	0.60	3.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y
137	Mwansabombwe	Chipita	Kapasa Patricia	Chipepa	14	11	9	20	1.80	1.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Mwansabombwe Total					82	79	84	163	7.50	14.75	0																
Luapula P					**508**	**500**	**336**	**836**	**40.10**	**78.95**	**15**																
3 Provinces					**2,284**	**2,091**	**1,747**	**3,838**	**142.80**	**535.65**	**79**																

Monitoring Sheet for Simple Weir Schemes Constructed in 2016 (As of End of October, 2016)

Achievement (Improvement Sites)

No.	District	Camp	Name of TSB/BEO/CEO	Site Name	No. of member Household	No. of member farmers			Canal			Irrigated Area			No. of Fish Pond			Dissemination: Dissemination by Officers to Farmers (Y: yes, N: no)								Application: Application of Disseminated Technology by Farmers (Y: yes, N: no)							
									(A)	(B)	(A)+(B)	(c)	(d)	(c)+(d)	(e)	(f)	(e)+(f)	Irrigation Tech		Farming Tech					Market-Oriented Farming	Irrigation Tech		Farming Tech					Market-Oriented Farming
						Male	Female	Total	Original Canal Length	Canal Length Newly Dug in 2016	Total Canal Length in 2016	Area originally irrigated	Area Newly irrigated in 2016	Total Irrigated Area in 2016	Original	Newly Constructed	Total in 2016	O&M	On-Farm Irrigation	Contour-ridge	Soil Improve	Companion cropping	Nutritious crop	Others		O&M	On-Farm Irrigation	Contour-ridge	Soil Improve	Companion cropping	Nutritious crop	Others	
					Nos.	Nos.	Nos.	Σ Nos.	km	km	Σ km	lima	lima	Σ lima	Nos.	Nos.	Σ Nos.																
1	Kasama	TSB	Kanda Prudence	Mutale	26	16	21	37	7.00	0.25	7.25	12.00	4.00	16.00	0	0	0	Y	Y	N	Y	Y	Y	N	Y	N	Y	Y	Y	Y	N	Y
2	Kasama	TSB	Catherine Chileshe	Sombe	32	11	9	20	2.00	0.85	2.85	5.00	7.00	12.00	0	0	0	Y	Y	N	Y	Y	Y	N	Y	N	Y	Y	Y	Y	N	Y
3	Kasama	TSB	Phillip Chitongwa	Chiinka	42	18	12	30	6.00	0.50	6.50	9.00	18.00	27.00	0	0	0	Y	Y	N	Y	Y	Y	N	Y	N	Y	Y	Y	Y	N	Y
4	Kasama	TSB	Phillip Chitongwa	Katemfuma II	14	6	14	20	3.00	0.75	3.75	21.00	6.00	27.00	0	0	0	Y	Y	N	Y	Y	Y	N	Y	N	Y	Y	Y	Y	N	Y
5	Kasama	TSB	Phillip Chitongwa	Munwa	21	12	9	21	2.10	0.80	2.90	18.00	9.00	27.00	0	0	0	Y	Y	N	Y	Y	Y	N	Y	N	Y	Y	Y	Y	N	Y
6	Kasama	Kasonde Chisuna	Vainess Zulu	Kaseke B.	7	6	8	14	0.52	1.10	1.62	0.50	0.50	1.00	0	0	0	Y	Y	N	Y	Y	Y	Y	N	N	Y	N	Y	N	N	N
7	Kasama	Kasonde Chisuna	Vainess Zulu	Soko Soko	17	21	24	45	1.10	2.00	3.10	7.50	0.50	8.00	0	0	0	Y	Y	N	Y	Y	Y	Y	N	N	Y	N	Y	N	N	N
8	Kasama	Mwamba	Mervis Phiri	Kalonde	14	16	13	29	0.12	0.25	0.37	0.50	4.00	4.50	0	0	0	Y	N	N	Y	Y	Y	N	N	Y	Y	N	Y	N	Y	N
9	Kasama	Mwamba	Mervis Phiri	Muchilingwa	10	12	18	30	0.10	0.20	0.30	0.30	3.00	3.30	0	0	0	Y	N	N	Y	Y	Y	N	N	Y	Y	N	Y	N	Y	N
10	Kasama	Chilufya	Gift Zimba	T-ipelwa	11	15	12	27	0.10	0.30	0.40	0.50	3.00	3.50	0	0	0	Y	Y	N	Y	Y	Y	Y	N	N	Y	N	Y	N	N	N
Kasama Total					194	133	140	273	22.04	7.00	29.04	74.30	55.00	129.30	0	0	0															
11	Mungwi	Chamfubu	Timba Andrew	Chambashi 2	18	30	20	50	2.50	3.50	6.00	1.00	1.00	2.00	0	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N
12	Mungwi	Kaipe	Timba Andrew	Kaide	8	15	10	25	1.00	3.00	4.00	2.00	1.00	3.00	0	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	y	Y	N	N	N
13	Mungwi	Mungwi west	Karen Chilembo	Masela	20	29	20	49	6.70	2.20	8.90	15.90	4.20	20.10	1	2	3	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N
14	Mungwi	Mungwi west	Karen Chilembo	Kananda	14	21	15	36	3.10	1.00	4.10	17.20	3.10	20.30	4	0	4	Y	Y	Y	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	N
15	Mungwi	Nseluka	Lucy Nkhoma	Kabulukutu	24	60	40	100	2.00	0.20	2.20	3.50	1.00	4.50	0	0	0	Y	Y	N	Y	Y	Y	N	N	N	Y	Y	Y	Y	Y	N
16	Mungwi	Nseluka	Lucy Nkhoma	Kanundwe	28	70	35	105	2.50	1.00	3.50	5.00	1.10	6.10	1	0	1	Y	Y	N	Y	Y	Y	N	N	Y	Y	N	Y	Y	Y	N
17	Mungwi	Chonya	Chanda Robert	Penjala	20	32	16	48	3.00	1.00	4.00	7.00	1.00	8.00	4	2	6	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
18	Mungwi	Chonya	Chanda Robert	Musonda	8	20	12	32	2.00	1.50	3.50	5.00	1.00	6.00	0	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
19	Mungwi	Chonya	Chanda Robert	Kampanda	10	15	5	20	1.00	0.20	1.20	8.00	2.00	10.00	3	3	6	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
20	Mungwi	Malole North	Augustine Katulwende	Mipango	28	20	16	36	4.50	4.00	8.50	7.50	11.00	18.50	0	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
21	Mungwi	Malole North	Augustine Katulwende	Mimpolombo	9	6	3	9	1.50	6.00	7.50	8.00	10.00	18.00	4	2	6	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
22	Mungwi	TSB	Mary Chisanga	Ntembo	12	18	21	39	2.00	0.50	2.50	5.00	1.00	6.00	0	0	0	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	N
Mungwi Total					199	336	213	549	31.80	24.10	55.90	85.10	37.40	122.50	17	9	26															
23	Luwingu	Shimumbi	Gerald Kawinbe	Makumba	35	31	43	74	0.70	0.10	0.80	4.00	2.00	6.00	0	0	0	Y	Y	Y	Y	N	Y	N	Y	Y	Y	Y	N	Y	N	Y
24	Luwingu	Shimumbi	Gerald Kawinbe	Mubufushi 2	29	28	32	60	0.98	0.50	1.48	2.00	2.00	4.00	0	0	0	Y	Y	Y	Y	N	Y	N	Y	Y	Y	N	Y	N	Y	N	Y
25	Luwingu	Chifwile	Kelvin Mumba	Lukutu	19	24	23	47	1.00	1.00	2.00	4.00	2.00	6.00	0	0	0	Y	Y	Y	Y	N	Y	N	Y	Y	Y	N	Y	N	Y	N	Y
26	Luwingu	Chifwile	Kelvin Mumba	Katulu	26	22	18	40	0.50	0.10	0.60	0.40	0.80	1.20	0	0	0	Y	Y	Y	Y	N	Y	N	Y	Y	Y	N	Y	N	Y	N	Y
27	Luwingu	Chibaya	Joshua Muyunda	Katutu	17	19	11	30	0.60	0.10	0.70	2.00	0.80	2.80	0	0	0	Y	Y	Y	Y	N	Y	N	Y	Y	Y	Y	N	Y	N	Y
28	Luwingu	Chibaya	Joshua Muyunda	Katilye	14	15	10	25	0.50	0.10	0.60	2.00	0.80	2.80	0	0	0	Y	Y	Y	Y	N	Y	N	Y	Y	Y	Y	N	Y	N	Y
29	Luwingu	TSB	Chabu Stanley	Kayoche	32	27	30	57	1.20	0.20	1.40	2.00	2.80	4.80	1	0	1	Y	Y	Y	Y	N	N	N	N	N	Y	N	N	N	N	N	N
30	Luwingu	TSB	Masika Wellington	Chikoto	15	13	10	23	9.20	0.50	9.70	1.60	0.40	2.00	2	0	2	Y	Y	Y	Y	N	Y	N	N	Y	N	Y	Y	N	N	N	N
Luwingu total					187	179	177	356	14.68	2.60	17.28	18.00	11.60	29.60	3	0	3															

Monitoring Sheet for Simple Weir Schemes Constructed in 2016 (As of End of October, 2016)

Achievement (Improvement Sites)

No.	District	Camp	Name of TSB/BEO/CEO	Site Name	No. of member Household	No. of member farmers			Canal			Irrigated Area			No. of Fish Pond			Dissemination: Dissemination by Officers to Farmers (Y: yes, N: no)								Apprication: Application of Disseminated Technology by Farmers (Y: yes, N: no)							
									(A)	(B)	(A)+(B)	(c)	(d)	(c)+(d)	(e)	(f)	(e)+(f)	Irrigation Tech		Farming Tech					Market-Oriented Farming	Irrigation Tech		Farming Tech					Market-Oriented Farming
						Male	Female	Total	Original Canal Length	Canal Length Newly Dug in 2016	Total Canal Length in 2016	Area originally irrigated	Area Newly irrigated in 2016	Total Irrigated Area in 2016	Original	Newly Constructed	Total in 2016	O&M	On-Farm Irrigation	Contour-ridge	Soil Improve	Companion cropping	Nutritious crop	Others		O&M	On-Farm Irrigation	Contour-ridge	Soil Improve	Companion cropping	Nutritious crop	Others	
					Nos.	Nos.	Nos.	Σ Nos.	km	km	Σ km	lima	lima	Σ lima	Nos.	Nos.	Σ Nos.																
31	Mbala	Chindo	Chirwa Chrispin	Chitusa A	25	20	25	45	1.80	1.00	2.80	4.00	8.00	12.00	5	4	9	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
32	Mbala	Chindo	Chirwa Chrispin	Mwanga	15	13	15	28	1.50	1.00	2.50	8.00	18.00	26.00	3	1	4	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
33	Mbala	Chindo	Chirwa Chrispin	Kapunda	10	9	10	19	0.80	0.50	1.30	2.00	4.00	6.00	0	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
34	Mbala	Tanzuka	Sichimata Aaron	Mikungulu	16	9	7	16	0.80	1.00	1.80	0.50	4.25	4.75	0	0	0	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	N	Y
35	Mbala	Tanzuka	Sichimata Aaron	Kale	18	17	11	28	0.40	0.20	0.60	1.00	2.50	3.50	0	0	0	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
36	Mbala	Tanzuka	Sichimata Aaron	Ikumbi	12	9	6	15	0.60	1.00	1.60	0.50	2.00	2.50	8	0	8	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
37	Mbala	Tanzuka	Sichimata Aaron	Ilombe	25	16	11	27	0.80	0.20	1.00	0.50	1.50	2.00	0	0	0	N	Y	N	Y	Y	Y	N	Y	Y	Y	N	Y	Y	Y	Y	Y
38	Mbala	Nsokolo	Chisha Valentine	Lembe	5	10	8	18	1.40	0.50	1.90	8.50	4.00	12.50	0	0	0	N	Y	N	Y	Y	Y	Y	Y	N	Y	N	Y	Y	Y	Y	Y
39	Mbala	Nsokolo	Chisha Valentine	Kaela	12	16	20	36	2.00	1.20	3.20	12.50	2.00	14.50	0	0	0	N	Y	N	Y	Y	Y	Y	Y	N	Y	N	Y	Y	Y	Y	Y
40	Mbala	Nsokolo	Chisha Valentine	Mpemba	20	21	18	39	0.50	0.50	1.00	3.50	4.00	7.50	0	0	0	N	Y	N	Y	Y	Y	Y	Y	N	Y	N	Y	Y	Y	Y	Y
41	Mbala	Nsokolo	Chisha Valentine	Mbavya	17	17	18	35	1.20	2.00	3.20	2.00	4.00	6.00	0	0	0	N	Y	N	Y	Y	Y	Y	Y	N	Y	N	Y	Y	Y	Y	Y
42	Mbala	Kaka	Nyirongo Annie	Chisitu	8	10	2	12	1.00	0.50	1.50	4.00	2.00	6.00	0	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y
43	Mbala	Kaka	Nyirongo Annie	Kunga	10	10	8	18	1.50	1.00	2.50	8.00	4.00	12.00	0	0	0	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N	Y	Y	Y	N	Y
44	Mbala	Kaka	Siamayaba Kebby	Mwambala	21	20	15	35	1.20	1.00	2.20	3.00	3.00	6.00	0	0	0	N	Y	N	N	N	Y	N	N	N	Y	N	N	Y	Y	N	N
45	Mbala	Lunzua	Kaira Machua	Ntungo	16	26	13	39	1.00	2.50	3.50	3.00	4.50	7.50	0	0	0	Y	Y	N	Y	N	N	N	N	N	Y	Y	N	N	N	N
46	Mbala	Lucheche	Kaira Machua	Mbaka	12	18	9	27	1,1	1.50	1.50	2.00	3.20	5.20	0	0	0	Y	Y	N	Y	N	N	N	N	N	Y	N	N	Y	N	N	N
47	Mbala	Lunzua	Kaira Machua	Ntingula	14	22	10	32	1.50	3.00	4.50	2.90	5.60	8.50	0	0	0	Y	Y	Y	Y	N	N	N	N	N	Y	N	Y	N	N	N	N
48	Mbala	Kaka	Kaira Machua	Kamuzwazi A	18	30	15	45	0.90	1.80	2.70	3.50	4.00	7.50	0	0	0	Y	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
Mbala Total					274	293	221	514	18.90	20.40	39.30	69.40	80.55	149.95	16	5	21															
49	Mporokoso	Chiwala	Chininga Collins	Bondo	41	28	17	45	2.10	2.10	4.20	5.00	5.50	10.50	4	0	4	Y	Y	N	Y	Y	Y	N	Y	Y	Y	N	Y	Y	Y	Y	Y
50	Mporokoso	Kambobe	Chininga Collins	Chilando	19	14	6	20	3.00	0.00	3.00	4.00	1.00	5.00	0	0	0	Y	Y	N	Y	Y	Y	N	Y	Y	Y	N	Y	Y	Y	Y	Y
51	Mporokoso	C. Mwamba	Chininga Collins	Chenge	22	20	4	24	1.20	0.50	1.70	2.00	1.20	3.20	0	0	0	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y
52	Mporokoso	Katutwa	Chininga Collins	Katutwa	13	10	4	14	1.30	0.00	1.30	4.10	2.20	6.30	0	0	0	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
53	Mporokoso	C. Mwamba	Mweepwa Catherine	Chishishinkanya	15	17	9	26	0.80	1.30	2.10	1.00	1.00	2.00	1	0	1	Y	Y	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
54	Mporokoso	C. Mwamba	Mweepwa Catherine	Misumbi	21	15	10	25	1.00	1.20	2.20	2.50	1.00	3.50	0	0	0	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
55	Mporokoso	Kapatu	Halwindi Staples	Ndaite	22	14	4	18	1.60	0.20	1.80	3.20	0.40	3.60	0	0	0	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y
56	Mporokoso	Chitoshi	Musowa Oscar	Chame	21	13	16	29	0.50	0.40	0.90	0.60	1.50	2.10	0	0	0	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
57	Mporokoso	Chewe	Chunda Botha	Munshimbwe	35	25	10	35	2.00	2.20	4.20	4.20	1.10	5.30	0	0	0	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
58	Mporokoso	Chewe	Chunda Botha	Munshimbwe	28	17	9	26	1.20	0.00	1.20	1.20	2.50	3.70	2	0	2	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
59	Mporokoso	Chewe	Chunda Botha	Chewe	37	17	13	30	1.00	0.00	1.00	1.00	2.00	3.00	0	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
60	Mporokoso	Chewe	Chunda Botha	Lupansa	25	14	5	19	0.20	0.60	0.80	0.80	1.50	2.30	0	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
61	Mporokoso	Chitoshi	Musowa Oscar	Tete	65	25	14	39	2.50	2.00	4.50	4.00	1.10	5.10	0	0	0	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
62	Mporokoso	Chitoshi	Musowa Oscar	Chitasha	31	19	16	35	1.60	0.00	1.60	1.00	2.10	3.10	0	0	0	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
63	Mporokoso	Chitoshi	Musowa Oscar	Lupupe	19	11	3	14	1.50	0.40	1.90	1.20	2.00	3.20	0	0	0	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
64	Mporokoso	Chalaesa	Necious Phiri (Fellow)	Mucele	22	19	8	27	2.80	0.80	3.60	12.50	2.10	14.60	0	0	0	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y
65	Mporokoso	Kalabwe	Mark Chishimba (Fellow)	Kantanga	19	21	8	29	2.90	0.50	3.40	8.00	1.20	9.20	0	0	0	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y
Mporokoso total					455	299	156	455	27.20	12.20	39.40	56.30	29.40	85.70	7	0	7															
66	Nsama	TSB	Clement mulife	Chubo	6	10	5	15	0.50	0.30	0.80	2.00	1.00	3.00	0	0	0	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	N	Y	Y	Y	N
67	Nsama	Mwewe	James Lwanga	Kacholwe	6	8	5	13	1.00	0.50	1.50	3.00	1.00	4.00	0	0	0	Y	Y	N	Y	Y	Y	N	Y	Y	Y	N	Y	Y	Y	N	Y
68	Nsama	TSB	Clement mulife	Malunda (1)	7	9	5	14	0.20	0.60	0.80	1.00	1.00	2.00	0	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	Y	Y	Y	N
69	Nsama	Mwewe	James Lwanga	Munwa	8	12	4	16	0.30	1.00	1.30	3.00	1.00	4.00	0	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y
Nsama Total					27	39	19	58	2.00	2.40	4.40	9.00	4.00	13.00	0	0	0															
Northern P					**1,336**	**1,279**	**926**	**2,205**	**116.62**	**68.70**	**185.32**	**312.10**	**217.95**	**530.05**	**43**	**14**	**57**															

Monitoring Sheet for Simple Weir Schemes Constructed in 2016 (As of End of October, 2016)

Achievement (Improvement Sites)

No.	District	Camp	Name of TSB/BEO/CEO	Site Name	No. of member Household	No. of member farmers			Canal			Irrigated Area			No. of Fish Pond			Dissemination								Apprication							
																		Dissemination by Officers to Farmers (Y: yes, N: no)								Application of Disseminated Technology by Farmers (Y: yes, N: no)							
																		Irrigation Tech		Farming Tech					Market-Oriented Farming	Irrigation Tech		Farming Tech					Market-Oriented Farming
									(A)	(B)	(A)+(B)	(c)	(d)	(c)+(d)	(e)	(f)	(e)+(f)															
									Original Canal Length	Canal Length Newly Dug in 2016	Total Canal Length in 2016	Area originally irrigated	Area Newly irrigated in 2016	Total Irrigated Area in 2016	Original	Newly Constructed	Total in 2016	O&M	On-Farm Irrigation	Contour-ridge	Soil Improve	Companion cropping	Nutritious crop	Others		O&M	On-Farm Irrigation	Contour-ridge	Soil Improve	Companion cropping	Nutritious crop	Others	
					Nos.	Nos.	Nos.	Σ Nos.	km	km	Σ km	lima	lima	Σ lima	Nos.	Nos.	Σ Nos.																
70	Mpika	Mukungole	Kennedy Munthali	Minofu	22	30	32	62	0.00	2.00	2.00	10.00	10.00	20.00	0	0	0	Y	Y	N	N	N	N	N	Y	Y	Y	N	N	N	N	N	Y
71	Mpika	Katibunga	Kennedy Munthali	Mwila	25	45	30	75	0.00	1.20	1.20	20.00	10.00	30.00	0	0	0	Y	Y	N	N	N	N	N	Y	Y	Y	N	N	N	N	N	Y
72	Mpika	Katibunga	Kennedy Munthali	Chakulwa	28	38	29	67	1.00	1.00	2.00	10.00	10.00	20.00	0	2	2	Y	Y	N	N	N	N	N	Y	Y	Y	N	N	N	N	N	Y
73	Mpika	Chobela	Florence Bwalya	Chobela	81	41	37	78	1.40	1.90	3.30	5.00	3.20	8.20	0	0	0	Y	Y	N	N	N	N	N	Y	Y	Y	N	N	N	N	N	Y
74	Mpika	Chobela	Florence Bwalya	Chilyaba	33	27	22	49	1.30	1.60	2.90	5.00	7.00	12.00	0	0	0	Y	Y	N	N	N	N	N	Y	Y	Y	N	N	N	N	N	Y
75	Mpika	Chobela	Florence Bwalya	Chilyaba	22	6	10	16	1.60	2.10	3.70	10.00	3.50	13.50	0	0	0	Y	Y	N	N	N	N	N	Y	Y	Y	N	N	N	N	N	Y
76	Mpika	Mabonga	Ngandu Geoffrey	Tiki	15	36	23	59	1.50	1.00	2.50	16.00	3.00	19.00	1	1	2	Y	Y	N	Y	N	Y	N	Y	Y	Y	N	Y	Y	Y	Y	Y
77	Mpika	Kabula Mwiko	Ngandu Geoffrey	Malamba	11	22	18	40	1.00	0.80	1.80	1.30	2.50	3.80	0	1	1	Y	Y	N	Y	N	Y	N	Y	Y	Y	N	Y	Y	Y	Y	Y
78	Mpika	Kabula Mwiko	Peter Simbeya	Chiseke D	10	24	26	50	0.00	1.50	1.50	8.00	3.00	11.00	0	0	0	Y	Y	N	N	Y	N	N	N	N	Y	N	N	Y	N	N	Y
79	Mpika	Katibunga	Simbeya Kalolo	Chibali A	7	3	2	5	0.20	0.60	0.80	1.00	3.00	4.00	0	0	0	Y	Y	Y	Y	N	Y	N	N	Y	Y	N	N	N	N	N	N
80	Mpika	Katibunga	Simbeya Kalolo	Mitowa	4	6	8	14	0.60	1.00	1.60	2.00	6.00	8.00	0	0	0	Y	Y	Y	Y	Y	Y	N	N	Y	Y	N	N	N	N	N	N
81	Mpika	Chalwe	Festus K.	Kalenga	12	13	16	29	0.90	1.70	2.60	8.00	11.00	19.00	0	0	0	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	N	N	N	N
Mpika Total					270	291	253	544	9.50	16.40	25.90	96.30	72.20	168.50	1	4	5																
82	Shiwang'andu	TSB	Brian Sazombo	Machichi	9	13	14	27	1.50	0.00	1.50	2.00	0.50	2.50	2	0	2	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	N	Y	Y	N
83	Shiwang'andu	Kabangama	Lucas Kasonka		20	13	7	20	1.60	0.00	1.60	2.00	4.00	6.00	0	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
84	Shiwang'andu	Kabangama	Lucas Kasonka		23	16	7	23	1.30	0.00	1.30	1.25	6.00	7.25	0	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
85	Shiwang'andu	Kabangama	Lucas Kasonka		22	12	10	22	1.45	0.00	1.45	1.30	10.00	11.30	0	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Shiwang'andu Total					74	54	38	92	5.85	0.00	5.85	6.55	20.50	27.05	2	0	2																
86	Nakonde	Shem	Moono Angelina	Miwanga	10	16	14	30	0.10	0.20	0.30	0.80	1.00	1.80	0	0	0	Y	N	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	Y
87	Nakonde	Shem	Moono Angelina	Nakapata	15	11	10	21	0.20	0.30	0.50	1.00	2.00	3.00	0	0	0	Y	N	N	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	N
88	Nakonde	Ndingindi	Nyasulu Phillip	Iwalala	10	21	16	37	0.20	0.50	0.70	0.50	0.50	1.00	0	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	N
89	Nakonde	Kantongo	Muyunda Mukelabai	Isunda	10	15	10	25	0.30	0.40	0.70	1.00	3.00	4.00	0	0	0	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	N
Nakonde Total					45	63	50	113	0.80	1.40	2.20	3.30	6.50	9.80	0	0	0																
90	Isoka	Kampumbu	Frank Mwambazi	Mulamba	25	18	10	28	1.50	1.00	2.50	0.00	1.20	1.20	0	0	0	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	N	Y
91	Isoka	Kampumbu	Frank Mwambazi	Mulamba B	30	20	15	35	1.80	1.10	2.90	0.00	2.20	2.20	0	0	0	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	N	Y
92	Isoka	Kantenshya	Sampa Kagombe	Mukangala	15	28	20	48	8.50	1.20	9.70	0.00	2.50	2.50	0	0	0	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	N	Y
93	Isoka	Lualizi	Elano Sakala	London	15	15	7	22	1.50	0.50	2.00	0.00	2.00	2.00	0	0	0	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	N	Y
94	Isoka	Lualizi	Elano Sakala	Sizala 1	15	20	17	37	0.60	1.20	1.80	0.00	0.30	0.30	0	0	0	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y
95	Isoka	Lualizi	Elano Sakala	Mumbwe	18	24	13	37	1.00	0.20	1.20	0.00	0.60	0.60	0	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Isoka Total					118	125	82	207	14.90	5.20	20.10	0.00	8.80	8.80	0	0	0																
96	Mafinga	Mulekatembo	Mwale Hellen	Pwazi	12	28	30	58	1.00	0.10	1.10	0.50	1.00	1.50	0	0	0	Y	Y	N	Y	N	Y	N	Y	Y	Y	N	Y	Y	Y	N	Y
97	Mafinga	Chitapo	Emmanuel Chibeluka	Kasuso	15	24	31	55	0.20	0.30	0.50	0.50	1.00	1.50	0	0	0	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	N	Y
98	Mafinga	Chitapo	Emmanuel Chibeluka	Nabusiku	10	19	25	44	0.10	0.20	0.30	1.00	0.50	1.50	0	0	0	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N	Y	Y	Y	N	Y
99	Mafinga	Chitapo	Emmanuel Chibeluka	Kazilanyondo	16	17	24	41	0.20	0.20	0.40	0.50	1.50	2.00	0	0	0	Y	Y	N	Y	N	Y	N	N	Y	Y	Y	Y	N	Y	N	Y
100	Mafinga	Chitapo	Katwishi Samuel	Chaweya	14	12	18	30	0.10	0.10	0.20	1.60	1.00	2.60	0	0	0	Y	Y	N	Y	N	Y	N	N	Y	Y	N	Y	N	Y	N	Y
101	Mafinga	Chitapo	Katwishi Samuel	Mugala	10	16	17	33	0.20	0.75	0.95	1..5	1.20	1.20	0	0	0	Y	Y	N	Y	Y	Y	N	N	Y	Y	N	Y	N	Y	N	Y
102	Mafinga	Thendele	Musukwa Misheck	Wimba	19	16	26	42	0.10	0.10	0.20	1.50	2.00	3.50	0	0	0	Y	Y	N	Y	Y	Y	N	Y	N	Y	N	Y	N	Y	N	N
103	Mafinga	Wiya	Musukwa Misheck	Wanangwa	21	22	24	46	0.20	0.20	0.40	1.50	1.20	2.70	0	0	0	Y	Y	N	Y	Y	Y	N	Y	N	Y	N	Y	Y	Y	N	N
Mafinga Total					117	154	195	349	2.10	1.95	4.05	7.10	9.40	16.50	0	0	0																
Muchinga P					**624**	**687**	**618**	**1305**	**33.15**	**24.95**	**58.10**	**113.25**	**117.40**	**230.65**	**3**	**4**	**7**																

Monitoring Sheet for Simple Weir Schemes Constructed in 2016 (As of End of October, 2016)

Achievement (Improvement Sites)

No.	District	Camp	Name of TSB/BEO/CEO	Site Name	No. of member Household	No. of member farmers			Canal			Irrigated Area			No. of Fish Pond			Dissemination								Apprication							
																		Dissemination by Officers to Farmers (Y: yes, N: no)								Application of Disseminated Technology by Farmers (Y: yes, N: no)							
																		Irrigation Tech		Farming Tech					Market-Oriented Farming	Irrigation Tech		Farming Tech					Market-Oriented Farming
									(A)	(B)	(A)+(B)	(c)	(d)	(c)+(d)	(e)	(f)	(e)+(f)															
						Male	Female	Total	Original Canal Length	Canal Length Newly Dug in 2016	Total Canal Length in 2016	Area originally irrigated	Area Newly irrigated in 2016	Total Irrigated Area in 2016	Original	Newly Constructed	Total in 2016	O&M	On-Farm Irrigation	Contour-ridge	Soil Improve	Companion cropping	Nutritious crop	Others		O&M	On-Farm Irrigation	Contour-ridge	Soil Improve	Companion cropping	Nutritious crop	Others	
					Nos.	Nos.	Nos.	Σ Nos.	km	km	Σ km	lima	lima	Σ lima	Nos.	Nos.	Σ Nos.																
104	Mansa	Kapyata	Anthony Chikwemba	Lwamfumu	10	10	10	20	0.07	0.13	0.20	4.00	3.00	7.00	0	0	0	Y	Y	Y	Y	N	Y	Y	Y	Y	N	N	N	N	Y	Y	Y
105	Mansa	Kabende	Kapembwa Chomab	Chofoshi	6	6	6	12	0.80	0.15	0.95	3.00	1.00	4.00	0	0	0	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N	Y	N	Y	N	Y
106	Mansa	Kabende	Kapembwa Chomab	Chiwala 1	10	4	6	10	0.65	0.25	0.90	2.00	1.50	3.50	0	0	0	Y	Y	Y	Y	Y	Y	N	Y	N	N	N	Y	N	N	N	Y
107	Mansa	Chikonshi	Kabwe Delgracious	Fipongo	13	15	5	20	0.40	0.00	0.40	2.00	0.50	2.50	0	0	0	Y	Y	Y	Y	Y	Y	N	Y	N	Y	N	Y	N	Y	N	Y
108	Mansa	Chikonshi	Kabwe Delgracious	Chikonshi	17	22	9	31	0.50	1.00	1.50	0.50	0.50	1.00	0	0	0	Y	Y	Y	Y	Y	Y	N	Y	N	Y	N	Y	N	Y	N	Y
109	Mansa	Chibalashi	Donald Sikazwe	Lupuma	11	8	4	12	0.50	0.25	0.75	3.00	1.00	4.00	0	0	0	N	Y	Y	N	Y	Y	Y	N	N	N	N	Y	Y	N	Y
110	Mansa	Mibenge	Chanda Stephen	Mashimi	15	11	4	15	0.75	0.25	1.00	6.50	7.00	13.50	0	0	0	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	N	N	N	Y
111	Mansa	Mibenge	Chanda Stephen	Kolwe	10	8	7	15	1.00	0.50	1.50	6.00	2.00	8.00	0	0	0	Y	Y	N	Y	Y	Y	N	Y	Y	Y	Y	Y	N	N	N	Y
Mansa Total					92	84	51	135	4.67	2.53	7.20	27.00	16.50	43.50	0	0	0																
	Milenge				-	-	-	-	-	-	-	-	-	-	-	-	-																
Milenge Total					-	-	-	-	-	-	-	-	-	-	-	-	-																
112	Nchelenge	Mwatishi	Chewe Chileshe	Mwatishi 1	16	10	5	15	0.60	0.10	0.70	4.50	1.50	6.00	0	0	0	Y	Y	N	Y	N	N	N	N	Y	Y	N	Y	N	N	N	N
Nchelenge Total					16	10	5	15	0.60	0.10	0.70	4.50	1.50	6.00	0	0	0																
113	Chembe	Kasoma	Chanda Justin	Kainge	12	10	5	15	0.50	0.20	0.70	4.00	3.00	7.00	0	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	N
114	Chembe	Lukola	Singogo Alinani	Malenge	12	13	8	21	0.80	2.00	2.80	6.00	3.00	9.00	0	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
115	Chembe	Kunda Mfumu	Agness Mumba	Njereka	9	13	8	21	0.40	0.00	0.40	9.50	0.40	9.90	0	0	0	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y
116	Chembe	Chembe	Noah Tonga	Bumpheket	9	10	6	16	0.70	0.30	1.00	7.00	3.00	10.00	0	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Chembe Total					42	46	27	73	2.40	2.50	4.90	26.50	9.40	35.90	0	0	0																
117	Chipili	Mupeta	Brian Mulamba	Chamushita Dauti	15	15	6	21	0.67	0.23	0.90	0.30	0.33	0.63	0	0	0	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	Y	Y	N	N	Y
118	Chipili	Kamami	Brian Mulamba	Kamami	5	3	7	10	0.23	0.27	0.50	0.20	0.80	1.00	0	0	0	Y	Y	N	N	Y	Y	Y	Y	Y	Y	N	N	N	N	N	N
119	Chipili	Musalango	Brian Mulamba	Mulilachembe	10	17	6	23	0.30	0.70	1.00	4.00	2.00	6.00	1	1	2	N	N	N	N	N	N	N	N	Y	Y	N	Y	N	Y	N	Y
120	Chipili	Musele	Chola Chuma	Chioma	7	8	2	10	1.00	1.00	2.00	3.00	1.00	4.00	4	0	4	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
121	Chipili	Kalundnu	Samuel Mvula	Tambalala	21	25	9	34	0.70	1.30	2.00	4.00	0.50	4.50	0	0	0	Y	Y	N	Y	Y	Y	N	Y	Y	Y	N	Y	Y	Y	N	Y
122	Chipili	Lupososhi	Juvenile Numbwa	Kafita	18	17	11	28	2.00	0.80	2.80	2.00	1.50	3.50	4	0	4	N	Y	N	Y	Y	N	Y	Y	Y	Y	N	Y	Y	N	N	Y
123	Chipili	Lupososhi	Juvenile Numbwa	Shimamba A	1	1	1	2	0.10	0.10	0.20	0.25	0.25	0.50	0	0	0	Y	Y	N	Y	N	N	N	Y	N	Y	N	N	Y	N	N	Y
124	Chipili	Lupososhi	Juvenile Numbwa	Shimamba B	40	52	8	60	3.00	2.20	5.20	6.00	4.00	10.00	7	2	9	N	Y	N	N	N	N	Y	Y	N	N	N	Y	N	N	Y	Y
Chipili Total					117	138	50	188	8.00	6.60	14.60	19.75	10.38	30.13	16	3	19																

Monitoring Sheet for Simple Weir Schemes Constructed in 2016 (As of End of October, 2016)

Achievement (Improvement Sites)

No.	District	Camp	Name of TSB/BEO/CEO	Site Name	No. of member Household	No. of member farmers			Canal			Irrigated Area			No. of Fish Pond			Dissemination: Dissemination by Officers to Farmers (Y: yes, N: no)								Apprication: Application of Disseminated Technology by Farmers (Y: yes, N: no)							
									(A)	(B)	(A)+(B)	(c)	(d)	(c)+(d)	(e)	(f)	(e)+(f)	Irrigation Tech		Farming Tech					Market-Oriented Farming	Irrigation Tech		Farming Tech					Market-Oriented Farming
									Original Canal Length	Canal Length Newly Dug in 2016	Total Canal Length in 2016	Area originally irrigated	Area Newly irrigated in 2016	Total Irrigated Area in 2016	Original	Newly Constructed	Total in 2016	O&M	On-Farm Irrigation	Contour-ridge	Soil Improve	Companion cropping	Nutritious crop	Others		O&M	On-Farm Irrigation	Contour-ridge	Soil Improve	Companion cropping	Nutritious crop	Others	
					Nos.	Nos.	Nos.	Σ Nos.	km	km	Σ km	lima	lima	Σ lima	Nos.	Nos.	Σ Nos.																
125	Kawambwa	Musungu	Ngenda Joseph	Miswau	9	11	6	17	0.80	0.40	1.20	1.50	1.00	2.50	1	0	1	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	N	N	Y	N	N
126	Kawambwa	Musungu	Ngenda Joseph	Manjelebwe	10	11	4	15	0.40	0.00	0.40	0.20	0.30	0.50	0	0	0	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	N	N	Y	N	N
127	Kawambwa	Musungu	Ngenda Joseph	Luongo	7	9	4	13	1.00	0.50	1.50	0.90	0.50	1.40	1	0	1	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	N	N	Y	N	N
128	Kawambwa	Muyembe	Peggy Makofi	Mitongwa	3	6	8	14	3.50	2.00	5.50	1.50	1.00	2.50	0	0	0	N	Y	Y	Y	Y	Y	N	Y	N	N	Y	N	Y	Y	Y	Y
129	Kawambwa	Muyembe	Peggy Makofi	Lubulafita II	10	25	30	55	3.00	2.00	5.00	1.00	0.50	1.50	0	0	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	N	Y	Y	Y
130	Kawambwa	Lengwe	Phiri Elliot	Nsemiwe	7	9	7	16	0.90	0.50	1.40	1.70	1.00	2.70	2	2	4	Y	Y	Y	N	N	Y	N	Y	Y	N	Y	N	N	Y	Y	Y
Kawambwa Total					46	71	59	130	9.60	5.40	15.00	6.80	4.30	11.10	4	2	6															
131	Mwense	Mubende	Chalwe John	Mubende	25	16	9	25	1.50	1.50	3.00	4.00	4.00	8.00	6	2	8	Y	Y	N	N	N	N	Y	Y	Y	Y	N	N	N	Y	Y	Y
132	Mwense	Mubende	Chalwe John	Chibwe	11	18	13	31	3.00	3.00	6.00	9.00	9.00	18.00	8	1	9	Y	Y	N	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y
133	Mwense	Munua	Dickens Chikwekwe	Mulenga	4	4	4	8	0.50	1.00	1.50	2.00	2.00	4.00	0	0	0	Y	Y	Y	N	N	Y	N	Y	Y	Y	Y	N	N	Y	N	Y
134	Mwense	Munua	Lovemore Mukwanje	Kalusha	5	6	4	10	0.50	1.00	1.50	2.00	2.00	4.00	0	0	0	Y	Y	Y	N	N	Y	N	Y	Y	Y	Y	N	N	Y	N	Y
Mwense Total					45	44	30	74	5.50	6.50	12.00	17.00	17.00	34.00	14	3	17															
135	Mwansabombwe	Chilange	Lostone Mwelwa	Sebo	12	24	6	30	1.00	0.50	1.50	0.60	1.00	1.60	1	0	1	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
136	Mwansabombwe	Chilange	Lostone Mwelwa	Easther	11	24	7	31	0.50	0.80	1.30	1.50	0.50	2.00	2	0	2	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
137	Mwansabombwe	Kayo	Kangwa Joseph	Kambi-Kambi	10	11	5	16	0.30	0.40	0.70	0.25	7.75	8.00	7	9	16	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y
138	Mwansabombwe	Kapesa	Sakala Pearson	Kasenda2	8	12	7	19	0.15	0.60	0.75	0.45	1.50	1.95	4	0	4	N	Y	N	Y	N	Y	Y	Y	N	N	N	Y	N	N	N	Y
139	Mwansabombwe	Kapesa	Ngenda Inambao	Kasengwi	12	23	15	38	1.20	0.00	1.20	6.50	0.50	7.00	4	0	4	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Mwansabombwe Total					53	94	40	134	3.15	2.30	5.45	9.30	11.25	20.55	18	9	27															
Luapula P					**411**	**487**	**262**	**749**	**33.92**	**25.93**	**59.85**	**110.85**	**70.33**	**181.18**	**52**	**17**	**69**															
3 Provinces					**2,371**	**2,453**	**1,806**	**4,259**	**183.69**	**119.58**	**303.27**	**536.20**	**405.68**	**941.88**	**98**	**35**	**133**															

Monitoring Sheet for Simple Weir Schemes constructed in 2014 and 2015 (As of End of October, 2016)

District: **Kasama**

Construction Year	Camp	CEO	Site Name	New or Imp as of construction year	Achievement in 2014 or 2015							Achivement by End of October 2016 in TOTAL							Please indicate "Y" for the ones the officer has disseminated by End of Oct 2016 and "N" for the ones not deisseminated								Please indicate "Y" for the ones the farmers have applied by End of Oct 2016 and "N" for the ones not applied							
					No. of member Farmers in the site				Canal Length (km)	Area irrigated (lima)	No. of fish pond	No. of member Farmers in the site				Canal Length (km)	Area irrigated (lima)	No. of fish pond	Dissemination by Officers by End of October 2016 (Y: yes, N: no)								Application by Farmers by End of October 2016 (Y: yes, N: no)							
																			Irrigation Tech		Farming Tech						Irrigation Tech		Farming Tech					
					No. of HH	Male	Female	Total				No. of HH	Male	Female	Total				O&M	On-Farm Irrigation	Contour-ridge	Soil Improve	Companion cropping	Nutritious crop	Others	Market-Oriented Farming	O&M	On-Farm Irrigation	Contour-ridge	Soil Improve	Companion cropping	Nutritious crop	Others	Market-Oriented Farming
Constructed in 2014	Milungu West	Kanda Prudence	Muuya	Imp	8	5	3	8	5.20	23.00	0	8	5	3	8	6.00	26.00	5	Y	Y	N	Y	N	Y	N	Y	Y	Y	N	Y	Y	N	N	Y
	Lualuo	Justinah Banda Khosa	Sombe	Imp	23	15	8	23	4.50	20.00	0	23	15	8	23	6.00	22.00	2	N	Y	Y	N	N	N	N	Y	N	Y	Y	N	N	N	N	Y
	Lualuo	Justinah Banda Khosa	Kapoka	Imp	21	10	11	21	4.00	20.00	5	21	10	11	21	4.00	20.00	5	Y	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	Y
	Milungu West	Phillip Chitongwa	Munwa	Imp	24	14	10	24	4.00	22.80	0	24	14	10	24	3.80	22.80	2	Y	Y	N	Y	N	N	N	Y	Y	Y	N	Y	N	N	N	Y
	Chiombo	Barbra Habamba	Chimpiti	Imp	53	31	22	53	9.00	24.00	0	53	31	22	53	9.00	24.00	0	Y	Y	Y	Y	N	Y	N	N	Y	Y	Y	Y	N	Y	N	Y
	Chiombo	Barbra Habamba	Kabundi	Imp	35	15	20	35	9.00	15.00	0	35	15	20	35	9.00	15.00	0	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Mwamba	Robert Ntembula	Chanda Chamamba	Imp	15	7	8	15	5.20	23.00	0	43	18	12	15	5.60	32.00	2	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N	Y
			Total		**179**	**97**	**82**	**179**	**40.90**	**147.80**	**5**	**207**	**108**	**86**	**179**	**43.40**	**161.80**	**16**																
	Munkonge	Francis.K.Bwalya	Munkonge	New	14	9	5	14	1.00	4.00	0	14	9	5	14	4.00	7.00	0	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Milungu West	Kanda Prudence	Chilyaeka 1	New	52	15	37	52	2.00	8.00	0	52	15	37	52	3.00	8.00	0	Y	Y	N	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	N	N	Y
	Milungu West	Kanda Prudence	Chilemba	New	14	7	7	14	2.20	6.00	0	14	7	7	14	3.80	6.00	0	Y	Y	N	Y	N	Y	N	Y	N	Y	Y	Y	N	Y	N	Y
	Milungu West	Phillip Chitongwa	Mwiika	New	34	20	14	34	2.00	5.00	0	34	20	14	34	4.10	6.00	2	N	Y	Y	Y	N	N	N	Y	N	Y	Y	Y	N	N	N	Y
	Mwamba	Phillip Chitongwa	Chiinka	New	17	9	8	17	2.20	8.00	0	17	9	8	17	7.20	8.00	3	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y
	Ngoli	Catherine Chileshe	Katemfuma Kakalamba	New	25	12	13	25	2.20	5.00	0	25	12	13	25	6.20	8.00	0	Y	Y	Y	Y	Y	N	N	N	Y	Y	Y	Y	Y	Y	N	Y
	Bulanda	Catherine Chileshe	Mukanga	New	14	9	5	14	3.00	1.50	0	14	9	5	14	5.00	1.50	0	Y	N	N	Y	N	N	N	Y	N	Y	Y	N	N	Y	N	Y
	Bulanda	Catherine Chileshe	Mumana Lupando	New	30	15	15	30	2.00	10.00	6	30	15	15	30	3.00	12.00	14	Y	Y	N	Y	Y	N	N	N	Y	Y	N	Y	Y	N	N	Y
	Munkonge	Bella Veston	Old RR	New	34	20	14	34	3.00	8.00	0	34	20	14	34	3.00	8.00	0	Y	Y	N	Y	Y	N	N	N	N	Y	Y	N	N	Y	N	Y
	Mulungu West	Justinah Banda Khosa	Chilyaeka II	New	12	8	4	12	3.00	8.00	0	12	8	4	12	4.20	9.00	0	Y	N	Y	N	N	N	N	Y	Y	N	Y	N	N	N	N	Y
	Milungu West	Justinah Banda Khosa	Chanda Mwamba	New	27	15	12	27	3.50	7.00	0	27	15	12	27	4.70	10.20	2	Y	Y	N	N	Y	Y	N	Y	Y	Y	N	N	Y	Y	N	Y
	Mulanshi	Jeremiah Banda	Mualu	New	30	21	9	30	2.30	5.00	0	30	21	9	30	2.30	5.00	0	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Nkole Mfumu	Munalula Isaac	Nkole-Mfumu	New	25	10	15	25	2.00	3.00	4	25	10	15	25	2.00	5.00	4	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N
	Kasonde Chisuna	Maini Cleophashio	Kasonde Chisuna	New	35	15	20	35	2.00	5.00	0	35	15	20	35	2.00	7.00	0	Y	Y	Y	N	Y	Y	N	Y	Y	Y	Y	N	N	N	N	N
	Chiombo	Barbra Habamba	Kafukula	New	23	8	15	23	3.00	4.00	0	23	8	15	23	3.00	4.00	0	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Lualuo	Justinah Banda Khosa	Ilimbwe	New	34	20	14	34	4.00	8.00	0	52	23	14	34	12.00	8.00	0	N	N	Y	Y	N	N	N	N	N	N	Y	Y	N	N	N	N
	Ngoli	Justinah Banda Khosa	Katemfuma Kanono	New	15	11	4	15	0.80	8.00	0	15	11	4	15	2.30	8.00	0	N	Y	N	Y	N	N	N	N	N	Y	N	Y	N	N	N	N
	Ngoli	Justinah Banda Khosa	Katemfuma Down.	New	7	4	3	7	0.70	8.00	0	12	7	21	7	2.00	8.00	0	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Lukulu South	Vivian Sakala	Mwanga	New	25	10	15	25	0.50	2.00	0	25	10	15	25	0.50	2.00	0	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Lukulu South	Vivian Sakala	Mufwayeni	New	23	10	13	23	1.00	4.00	0	23	10	13	23	1.00	4.00	0	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Lukulu South	Vivian Sakala	Kamushi	New	28	15	13	28	1.50	0.00	0	28	15	13	28	1.50	0.00	0	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Mwamba	Robert Ntembula	Chanda Chamamba	New	25	10	15	25	0.70	8.00	0	25	10	15	25	4.20	12.00	6	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N	Y
	Mwamba	Robert Ntembula	Kalulu	New	26	16	10	26	1.00	8.00	0	26	16	10	26	1.00	8.00	0	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	Y	N	N	Y
	Mwamba	Robert Ntembula	Mwafi	New	10	4	6	10	2.00	8.00	0	10	4	6	10	2.00	8.00	0	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	Y	N	N	N
			Total		**579**	**293**	**286**	**579**	**47.60**	**141.50**	**10**	**602**	**299**	**304**	**579**	**84.00**	**162.70**	**31**																

Monitoring Sheet for Simple Weir Schemes constructed in 2014 and 2015 (As of End of October, 2016)

District: **Kasama**

Construction Year	Camp	CEO	Site Name	New or Imp as of construction year	Achievement in 2014 or 2015							Achivement by End of October 2016 in TOTAL							Please indicate "Y" for the ones the officer has disseminated by End of Oct 2016 and "N" for the ones not deisseminated								Please indicate "Y" for the ones the farmers have applied by End of Oct 2016 and "N" for the ones not applied							
					No. of member Farmers in the site				Canal Length (km)	Area irrigated (lima)	No. of fish pond	No. of member Farmers in the site				Canal Length (km)	Area irrigated (lima)	No. of fish pond	Dissemination by Officers by End of October 2016 (Y: yes, N: no)								Application by Farmers by End of October 2016 (Y: yes, N: no)							
					No. of HH	Male	Female	Total				No. of HH	Male	Female	Total				Irrigation Tech		Farming Tech					Market-Oriented Farming	Irrigation Tech		Farming Tech					Market-Oriented Farming
																			O&M	On-Farm Irrigation	Contour-ridge	Soil Improve	Companion cropping	Nutritious crop	Others		O&M	On-Farm Irrigation	Contour-ridge	Soil Improve	Companion cropping	Nutritious crop	Others	
Constructed in 2015	Kapanda	Bwalya Mulenga	Nsanje	New	15	12	3	15	0.60	2.00	4	15	12	3	15	0.60	2.00	4	Y	Y	Y	N	Y	Y	Y	N	Y	Y	Y	Y	Y	N	N	Y
	Kapanda	Bwalya Mulenga	Kakoko	New	22	8	14	22	0.30	1.00	1	22	8	14	22	0.30	1.00	1	Y	Y	Y	N	Y	N	Y	N	Y	Y	Y	N	Y	Y	N	Y
	Kapanda	Bwalya Mulenga	Twikatane	New	21	13	8	21	0.37	1.50	0	21	13	8	21	0.37	1.50	0	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	N	Y
	Kapanda	Bwalya Mulenga	Malanda	New	16	9	7	16	0.50	0.25	0	16	9	7	16	0.50	0.25	0	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Kapanda	Bwalya Mulenga	Musanda	New	23	12	11	23	1.50	4.00	3	12	12	11	23	1.50	4.00	3	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y
	Bulanda	Prekeria Mbewe	Mumana Lupando	New	25	10	15	25	1.00	1.00	0	30	12	16	25	4.00	4.00	12	Y	Y	Y	N	Y	Y	N	Y	Y	Y	Y	N	Y	Y	N	Y
	Bulanda	Prekeria Mbewe	Mubanga Lupiya	New	30	22	8	30	0.50	1.50	0	30	22	8	30	2.00	1.50	0	Y	Y	Y	N	Y	Y	N	Y	Y	Y	Y	N	Y	Y	N	Y
	Bulanda	Prekeria Mbewe	Kaleya	New	20	11	9	20	1.50	2.00	0	20	11	9	20	1.50	2.00	0	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Mulanshi	Jeremiah Banda	Lukashya	New	35	15	20	35	1.50	3.50	0	35	15	20	35	1.50	3.50	0	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	Y	Y	N	Y	Y
	Mulanshi	Jeremiah Banda	Lubusha	New	21	14	7	21	1.00	2.50	0	21	14	7	21	1.00	2.50	0	Y	Y	N	Y	Y	Y	N	Y	Y	Y	Y	N	Y	N	Y	Y
	Milungu West	Phillip Chitongwa	Milundo	New	11	7	4	11	4.80	5.00	0	23	12	8	11	6.00	22.00	2	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y
			Total		**239**	**133**	**106**	**239**	**13.57**	**24.25**	**8**	**245**	**140**	**111**	**239**	**19.27**	**44.25**	**22**																
	Mulanshi	Jeremiah Banda	Mabula	Imp	16	7	9	16	3.50	7.00	10	16	7	9	16	3.50	7.00	10	Y	Y	N	Y	Y	Y	N	Y	Y	Y	Y	N	Y	N	Y	Y
	Milungu East	Andrew Nyirenda	Mathew Mbulo	Imp	20	11	9	20	2.00	1.00	0	20	11	9	20	2.00	3.00	0	Y	N	N	Y	N	N	N	Y	N	N	N	N	Y	N	N	Y
	Ngoli	Catherine Chileshe	Sume	Imp	25	12	13	25	3.00	1.50	0	25	12	13	25	4.00	4.00	0	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y
	Munkonge	Francis.K.Bwalya	Chimbala	Imp	12	9	3	12	2.30	12.00	0	12	9	3	12	2.30	12.00	0	Y	Y	Y	N	Y	Y	N	Y	Y	N	Y	Y	Y	Y	N	Y
			Total		**73**	**39**	**34**	**73**	**10.80**	**21.50**	**10**	**73**	**39**	**34**	**73**	**11.80**	**26.00**	**10**																

Monitoring Sheet for Simple Weir Schemes constructed in 2014 and 2015 (As of End of October, 2016)

District: **Mungwi**

Construction Year	Camp	CEO	Site Name	New or Imp as of construction year	Achievement in 2014 or 2015							Achivement by End of October 2016 in TOTAL							Please indicate "Y" for the ones the officer has disseminated by End of Oct 2016 and "N" for the ones not deisseminated								Please indicate "Y" for the ones the farmers have applied by End of Oct 2016 and "N" for the ones not applied							
					No. of member Farmers in the site				Canal Length (km)	Area irrigated (lima)	No. of fish pond	No. of member Farmers in the site				Canal Length (km)	Area irrigated (lima)	No. of fish pond	Dissemination by Officers by End of October 2016 (Y: yes, N: no)								Application by Farmers by End of October 2016 (Y: yes, N: no)							
					No. of HH	Male	Female	Total				No. of HH	Male	Female	Total				Irrigation Tech		Farming Tech					Market-Oriented Farming	Irrigation Tech		Farming Tech					Market-Oriented Farming
																			O&M	On-Farm Irrigation	Contour-ridge	Soil Improve	Companion cropping	Nutritious crop	Others		O&M	On-Farm Irrigation	Contour-ridge	Soil Improve	Companion cropping	Nutritious crop	Others	
Constructed in 2014	Ngulula	Banda Brown	Mutemngala	Imp	12	44	13	57	2.00	5.00	4	10	20	10	30	2.00	8.00	6	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	N	Y	N	N	Y
	Ngulula	Banda Brown	Kambulo	Imp	10	20	17	37	2.30	15.00	9	10	20	17	37	2.30	10.00	9	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	N	Y	N	N	Y
	Mumba	Banda Brown	Banachibesa	Imp	8	30	11	41	2.00	16.00	0	8	30	11	41	2.00	16.00	0	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	N	Y	N	N	Y
	Nseluka	Beauty Chisanga	Kashikinsha	Imp	6	18	2	20	5.00	5.00	0	6	18	2	20	5.00	5.00	0	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	N	Y	N	N	Y
	Misamfu	Carol Mwanza	Kakoni	Imp	6	7	18	25	3.00	12.00	4	6	7	18	25	3.00	12.00	4	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	N	Y	N	N	Y
	Mleast	Carol Mwanza	Chibaba2	Imp	8	20	20	40	2.50	6.00	0	8	20	20	40	2.50	6.00	4	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	N	Y	N	N	Y
	Malole South	Reuben Mwenya	Bwambi	Imp	7	14	8	22	2.30	10.00	0	8	15	8	23	2.30	10.00	8	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	N	Y	N	N	Y
	Chonja	Mary Chisanga	Kasebaulupili	Imp	10	30	13	43	3.00	8.00	0	10	30	13	43	3.00	8.00	0	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	Y	Y	N	Y
	Chamfubu	Andrew T Mulenga	Munwa	Imp	4	12	6	18	1.50	3.00	0	4	12	6	18	1.50	3.00	0	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	N	Y	N	N	N
	Ndasa	Acty Munsaka	Numbuka	Imp	6	17	8	25	1.80	4.00	0	6	17	8	25	1.80	4.00	0	Y	N	Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	Y	N	Y
	Kafusha	Gasper Mulela	Kafusha	Imp	5	12	6	18	1.50	3.00	0	5	12	6	18	1.50	3.00	0	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	N	Y	N	N	Y
	Chamfubu	A.T.Mulenga	Kaipe 2	Imp	10	10	5	15	2.50	4.00	0	10	10	5	15	2.50	4.00	0	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	N	Y	N	N	Y
	Rosa	Museteka Chiza	Lwela	Imp	10	12	6	18	1.50	2.00	0	10	12	6	18	1.50	2.00	0	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	N	Y	N	N	Y
	Chimbola	Mapopa Tembo	Kapangala	Imp	5	8	5	13	2.00	4.00	0	5	8	5	13	2.00	4.00	0	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	N	Y	N	N	Y
	Chimba	Emmy Mwenwa	Chiwanga	Imp	5	7	5	12	1.50	3.00	0	5	7	5	12	1.50	3.00	0	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	N	Y	N	N	Y
	Malole South	Reuben Mwenya	Bwambi 2	Imp	7	17	8	25	1.50	5.00	0	8	18	8	26	2.00	6.00	4	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	N	Y	N	N	Y
	Chonya	Robert Chanda	Musondo 2	Imp	10	20	9	29	2.00	4.00	0	10	20	9	29	2.00	4.00	0	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N
	Mungwi East	Judith Lombe	Luvega 2	Imp	25	15	12	27	1.50	5.00	0	25	15	12	27	1.50	5.00	0	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	N	Y	N	N	Y
	Mungwi West	Muma Bomface	Buyanianshi	Imp	10	11	4	15	1.00	4.00	0	10	11	4	15	1.00	4.00	0	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	N
			Total		**164**	**324**	**176**	**500**	**40.40**	**118.00**	**17**	**164**	**302**	**173**	**475**	**40.90**	**117.00**	**35**																
	Chonya	Robert Chanda	Cinci wababili	New	6	15	5	20	0.50	2.00	0	6	15	5	20	0.50	2.00	0	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N
	Chonya	Watson Banda	Mifutu	New	25	15	10	25	0.40	0.00	0	25	15	10	25	1.00	6.00	0	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	N	Y	N	N	Y
	Mungwi East	Judith Lombe	Kasokota	New	10	16	7	23	1.80	3.00	0	10	16	7	23	1.80	3.00	0	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	N	Y	N	N	Y
	Ngulula	Banda Brown	Kabulyeni	New	10	17	9	26	1.50	10.00	0	10	17	9	26	1.50	10.00	0	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	N	Y	N	N	Y
	Ndasa	Banda Brown	Ndasa	New	5	13	6	19	0.50	8.00	0	5	13	6	19	0.50	8.00	0	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	N	Y	N	N	Y
	Chamfubu	Beauty Chisanga	Chamfubu	New	25	100	25	125	2.00	0.00	0	25	100	25	125	2.00	0.00	0	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	N	Y	N	N	Y
	Misamfu	Carol Mwanza	Twinga	New	15	40	12	52	4.50	12.00	0	15	40	12	52	4.50	12.00	0	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	N	Y	N	N	Y
	Misamfu	Carol Mwanza	Kanyalupe	New	5	10	12	22	1.50	5.00	2	5	10	12	22	1.50	5.00	2	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	N	Y	N	N	Y
	Kafusha	Gasper Mulela	Sela	New	10	15	10	25	1.00	0.00	0	10	15	10	25	1.00	4.00	2	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	N	Y	N	N	Y
			Total		**111**	**241**	**96**	**337**	**13.70**	**40.00**	**2**	**111**	**241**	**96**	**337**	**14.30**	**50.00**	**4**																
Constructed in 2015	Ngulula	Aroster Chiila	Kanyalupe2	Imp	17	21	13	34	4.80	13.80	4	17	21	13	34	4.80	13.80	4	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	N	Y	N	N	Y
	Makasa	Cornerious Chibale	Munyangala	Imp	20	19	15	34	2.00	1.75	2	20	19	15	34	2.00	2.00	2	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	N	Y	N	N	Y
	Makasa	Cornerious Chibale	Kala	Imp	8	7	4	11	1.00	0.25	0	8	7	4	11	1.00	2.00	0	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	N	Y	N	N	Y
	Mungwi East	Judith Lombe	Twikatane	Imp	20	12	13	25	4.00	25.00	3	60	49	24	73	4.00	30.00	3	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	N	Y	N	N	Y
	Chimbola	Mapopa Tembo	Chisekelele	Imp	10	13	12	25	0.50	6.00	0	10	13	12	25	1.00	8.00	0	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	N	Y	N	N	Y
	Malole South	TSB (MGW)	Mutamba2	Imp	29	30	40	70	4.50	16.00	4	29	30	40	70	5.00	20.00	10	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y
	Rosa	Chiza Mubeteka	Isondwa	Imp	20	18	10	28	3.20	3.50	0	20	18	10	28	3.20	4.00	2	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	N	Y	N	N	Y
			Total		**124**	**120**	**107**	**227**	**20.00**	**66.30**	**13**	**164**	**157**	**118**	**275**	**21.00**	**79.80**	**21**																
	Chimbola	Mapopa Tembo	Nsunka	New	45	70	30	100	0.80	1.50	0	45	70	30	100	1.50	2.00	4	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	N	Y	N	N	Y
	Chimbola	Mapopa Tembo	Kampangala	New	30	53	19	72	0.50	0.00	0	30	53	19	72	1.00	1.20	2	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	N	Y	N	N	Y
	Chimbola	Mapopa Tembo	Chitawa	New	26	28	12	40	0.50	0.50	0	26	28	12	40	1.00	1.00	1	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	N	Y	N	N	Y
	Ngulula	Aroster Chiila	Twalubuka Katilungu	New	17	18	13	31	0.80	4.10	0	17	18	13	31	1.00	4.20	3	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	N	Y	N	N	Y
	Makasa	Cornerious Chibale	Kandwindwi	New	18	11	14	25	0.50	0.00	0	18	11	14	25	1.00	4.00	0	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	N	Y	N	N	Y
			Total		**136**	**180**	**88**	**268**	**3.10**	**6.10**	**0**	**136**	**180**	**88**	**268**	**5.50**	**12.40**	**10**																

Monitoring Sheet for Simple Weir Schemes constructed in 2014 and 2015 (As of End of October, 2016)

District: Luwingu

Construction Year	Camp	CEO	Site Name	New or Imp as of construction year	Achievement in 2014 or 2015							Achivement by End of October 2016 in TOTAL							Please indicate "Y" for the ones the officer has disseminated by End of Oct 2016 and "N" for the ones not deisseminated								Please indicate "Y" for the ones the farmers have applied by End of Oct 2016 and "N" for the ones not applied							
					No. of member Farmers in the site				Canal Length (km)	Area irrigated (lima)	No. of fish pond	No. of member Farmers in the site				Canal Length (km)	Area irrigated (lima)	No. of fish pond	Dissemination by Officers by End of October 2016 (Y: yes, N: no)								Application by Farmers by End of October 2016 (Y: yes, N: no)							
					No. of HH	Male	Female	Total				No. of HH	Male	Female	Total				Irrigation Tech		Farming Tech					Market-Oriented Farming	Irrigation Tech		Farming Tech					Market-Oriented Farming
																			O&M	On-Farm Irrigation	Contour-ridge	Soil Improve	Companion cropping	Nutritious crop	Others		O&M	On-Farm Irrigation	Contour-ridge	Soil Improve	Companion cropping	Nutritious crop	Others	
Constructed in 2014	DISTRICT	TSB officer	Saili	Imp	12	9	11	20	0.50	2.50	0	12	9	11	20	0.90	2.00	0	Y	Y	Y	Y	N	Y	N	Y	Y	Y	Y	N	N	N	N	Y
	DISTRICT	TSB officer	Kntopola	Imp	7	8	7	15	1.40	2.50	0	19	22	19	41	1.70	3.00	0	Y	N	Y	Y	N	Y	N	N	Y	N	Y	N	N	N	N	N
	DISTRICT	TSB officer	Lima	Imp	8	10	11	21	0.90	2.50	0	8	10	11	21	0.90	2.50	0	Y	Y	Y	Y	N	Y	N	Y	Y	Y	Y	Y	N	N	N	Y
	Tungati	Bwembya Chilenshe	Chilinda	Imp	23	18	27	45	0.30	2.00	0	21	18	27	45	0.30	1.90	0	Y	Y	Y	N	N	Y	N	N	Y	N	Y	Y	N	N	N	N
	Tungati	Bwembya Chilenshe	Malanda 1	Imp	6	10	7	17	1.10	2.00	1	10	10	12	22	1.20	2.00	1	Y	Y	Y	Y	N	N	N	N	Y	N	Y	Y	N	N	N	N
	Tungati	Bwembya Chilenshe	Malanda 2	Imp	8	10	10	20	1.20	2.00	0	8	11	10	21	1.40	2.50	0	Y	Y	Y	Y	N	Y	N	N	Y	Y	Y	N	N	N	N	N
	Tungati	Bwembya Chilenshe	Lunika	Imp	9	9	9	18	1.40	2.50	0	12	10	13	23	1.40	2.00	1	Y	N	Y	Y	N	N	N	N	Y	N	Y	N	N	N	N	N
	Kapisha	Mnlenga S.	Chishishi	Imp	12	10	13	23	1.70	2.00	0	12	10	13	23	1.70	1.50	0	Y	Y	Y	Y	N	N	N	N	Y	N	Y	Y	N	N	N	N
	Kapisha	Mnlenga S.	Chambata	Imp	14	17	11	28	1.00	2.50	0	15	18	12	30	1.00	2.00	0	Y	Y	Y	N	N	N	N	N	Y	N	Y	Y	N	N	N	N
	Mufili	Bwalya Giles	Lwenge/ Edward	Imp	33	24	18	42	4.20	1.50	0	34	24	19	43	4.50	2.50	3	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	N	N	N	Y
	Mufili	Bwalya Giles	Ehitamba	Imp	14	11	14	25	0.48	1.50	0	14	12	14	26	0.50	1.90	0	Y	N	Y	N	N	N	N	N	Y	N	Y	N	N	N	N	N
			Total		**146**	**136**	**138**	**274**	**14.18**	**23.50**	**1**	**165**	**154**	**161**	**315**	**15.50**	**23.80**	**5**																
	Tungat 1	Bwembya Dhintu	Michelo	New	15	14	16	30	0.50	1.00	0	15	14	15	29	0.60	1.20	0	Y	N	Y	Y	N	Y	N	N	Y	N	Y	Y	N	N	N	N
	Tungat 1	Bwembya Dhintu	Fibulumo	New	6	6	6	12	0.60	1.00	0	6	8	12	20	0.90	1.40	0	Y	N	Y	Y	N	Y	N	N	Y	N	Y	Y	N	N	N	N
	Kapisha	Mnledga S.	Masonde South	New	15	14	16	30	0.30	0.50	0	14	14	17	31	0.50	1.70	0	Y	N	Y	Y	N	N	N	N	Y	N	Y	N	N	N	N	N
	Mnfili	Giles Bwalya	Kafuse	New	19	12	10	22	0.80	0.00	0	17	10	9	19	0.90	1.50	0	Y	N	Y	N	N	N	N	N	Y	N	Y	Y	N	N	N	N
	Luena	Simfukwe Thomas	Mudeleka	New	10	10	10	20	0.30	0.00	0	14	12	10	22	0.40	1.40	0	Y	Y	Y	Y	N	N	N	Y	Y	N	Y	N	N	N	N	N
	DISTRICT	TSB officer	Masonde	New	10	10	11	21	0.30	0.20	0	10	10	11	21	0.40	1.50	0	Y	Y	Y	N	N	N	N	N	Y	Y	Y	N	N	N	N	N
	DISTRICT	TSB officer	Masonde	New	13	20	13	33	0.25	0.18	0	13	20	13	33	0.30	1.20	0	Y	Y	Y	N	N	N	N	N	Y	N	Y	N	N	N	N	N
			Total		**88**	**86**	**82**	**168**	**3.05**	**2.88**	**0**	**89**	**88**	**87**	**175**	**4.00**	**9.90**	**0**																
Constructed in 2015	Luena	Matildah Nachona	Mupeleka	IMP	10	10	18	28	0.70	1.00	0	11	11	16	27	1.70	1.90	0	Y	Y	Y	Y	N	N	N	Y	Y	N	Y	N	N	N	N	N
	Katuta	Moonga Sibusenga	Kaluba	IMP	21	15	20	35	1.00	1.00	0	22	17	22	39	1.30	2.00	0	Y	Y	Y	Y	Y	N	N	N	Y	N	Y	Y	N	N	N	N
	Mfungwe	Brian Njovu	Chishishe	IMP	31	16	22	38	0.50	0.80	0	31	16	22	38	1.50	1.80	0	Y	N	Y	Y	N	Y	N	N	Y	N	Y	N	N	N	N	N
			Total		**62**	**41**	**60**	**101**	**2.20**	**2.80**	**0**	**64**	**44**	**60**	**104**	**4.50**	**5.70**	**0**																
	Luena	Matildah Nachona	Mupeleka 1	New	18	18	18	36	1.50	3.00	0	20	19	18	37	1.50	2.00	0	Y	Y	Y	Y	Y	N	N	Y	Y	N	Y	Y	N	N	N	N
	Luena	Matildah Nachona	Mupeleka 2	New	14	14	14	28	1.20	3.00	2	14	14	14	28	1.20	2.00	2	Y	Y	Y	Y	N	N	N	Y	Y	N	Y	Y	N	N	N	N
	Katuta	Moonga Sibusenga	Kashe	New	28	36	16	52	0.50	1.50	0	28	36	18	54	1.50	2.50	0	Y	Y	Y	Y	N	N	N	N	Y	N	Y	Y	N	N	N	N
	Katuta	Moonga Sibusenga	Chishiba	New	11	18	8	26	0.50	1.00	0	11	18	8	26	1.50	1.50	0	Y	Y	Y	Y	N	N	N	N	Y	N	Y	Y	N	N	N	N
	Kapisha	Mulenga Henry	Chishishe	New	15	15	10	25	0.60	1.50	0	15	15	10	25	1.50	1.60	0	Y	Y	Y	Y	N	N	N	N	Y	N	Y	N	N	N	N	N
	Shimumbi	Simfukwe Thomas	Mufubushi	New	27	27	30	57	1.50	1.00	0	20	21	24	45	1.50	1.50	0	Y	N	Y	N	N	N	N	Y	N	N	Y	N	N	N	N	N
	Mufili	TSB (LWG)	Milandu Chibele	New	14	10	5	15	0.50	0.25	0	16	12	8	20	1.50	1.25	0	Y	Y	Y	Y	N	Y	N	N	Y	Y	Y	Y	N	N	N	N
	Mufili	TSB (LWG)	Chinyanga	New	12	11	5	16	0.70	0.25	0	12	13	6	19	1.90	1.60	0	Y	Y	Y	Y	N	N	N	N	Y	N	Y	Y	N	N	N	N
	Mufili	TSB (LWG)	Chitamba	New	10	11	6	17	0.15	0.50	0	10	11	7	18	1.40	1.50	0	Y	Y	Y	Y	N	N	N	N	Y	Y	Y	Y	N	N	N	N
			Total		**149**	**160**	**112**	**272**	**7.15**	**12.00**	**2**	**146**	**159**	**113**	**272**	**13.50**	**15.45**	**2**																

AP-II-C-27

Monitoring Sheet for Simple Weir Schemes constructed in 2014 and 2015 (As of End of October, 2016)

District: Mporokoso

Please indicate "Y" for the ones the officer has disseminated by End of Oct 2016 and "N" for the ones not deisseminated

Please indicate "Y" for the ones the farmers have applied by End of Oct 2016 and "N" for the ones not applied

Construction Year	Camp	CEO	Site Name	New or Imp as of construction year	Achievement in 2014 or 2015							Achivement by End of October 2016 in TOTAL							Dissemination by Officers by End of October 2016 (Y: yes, N: no)								Application by Farmers by End of October 2016 (Y: yes, N: no)							
					No. of member Farmers in the site				Canal Length (km)	Area irrigated (lima)	No. of fish pond	No. of member Farmers in the site				Canal Length (km)	Area irrigated (lima)	No. of fish pond	Irrigation Tech		Farming Tech					Market-Oriented Farming	Irrigation Tech		Farming Tech					Market-Oriented Farming
					No. of HH	Male	Female	Total				No. of HH	Male	Female	Total				O&M	On-Farm Irrigation	Contour-ridge	Soil Improve	Companion cropping	Nutritious crop	Others		O&M	On-Farm Irrigation	Contour-ridge	Soil Improve	Companion cropping	Nutritious crop	Others	
Constructed in 2014	Kalabwe	J. Bulambo		Imp	9	9	6	15	1.00	5.50	0	12	13	8	21	1.00	7.10	0	Y	Y	N	N	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y
	Kapatu	Halwindi Staples		Imp	4	3	1	4	0.70	4.00	0	8	8	7	15	1.00	7.00	1	Y	Y	N	N	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y
		Saidi Hussein	Muwela	Imp	10	16	4	20	0.43	3.00	0	12	18	6	24	1.20	5.00	0	Y	Y	N	N	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y
		Saidi Hussein	Muchele	Imp	15	10	5	15	0.49	8.00	0	15	10	5	15	0.49	8.00	0	Y	Y	N	N	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y
		Saidi Hussein	Nakasandwa	Imp	9	21	11	32	0.30	4.00	0	11	21	15	36	0.90	10.00	0	Y	Y	N	N	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y
		Brighton Mweemba	Kalashi	Imp	25	15	10	25	0.95	6.00	2	25	15	10	25	1.30	11.00	4	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
		Brighton Mweemba	Nkwale	Imp	12	7	5	12	0.90	6.00	5	12	7	5	12	1.10	8.00	7	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
		Brighton Mweemba	Buchili	Imp	10	6	4	10	1.10	6.00	0	10	6	4	10	1.10	8.00	0	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
		Brighton Mweemba	Kaela	Imp	4	3	1	4	0.70	6.00	0	4	3	1	4	0.80	7.00	0	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
		Michelo M. Nyanga	Kasongale	Imp	26	16	10	26	1.50	10.00	2	26	16	10	26	1.50	10.00	3	Y	Y	N	N	N	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y
		Michelo M. Nyanga	Kalampa	Imp	23	14	9	23	4.50	5.00	0	23	14	9	23	4.90	7.00	0	Y	Y	N	N	N	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y
			Total		**147**	**120**	**66**	**186**	**12.57**	**63.50**	**9**	**158**	**131**	**80**	**211**	**15.29**	**88.10**	**15**																
	Chalabesa	Saidi Hussein	Mchembe	New	9	22	16	38	0.33	4.00	0	19	22	16	38	0.50	6.00	0	Y	Y	N	N	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y
	S/Kapila	Brighton Mweemba	Nkalala	New	9	4	5	9	1.00	4.00	0	9	4	5	9	2.00	12.00	0	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Kapumo	Michelo M. Nyanga	Kapuh	New	15	10	5	15	2.50	6.00	0	15	10	5	15	2.50	5.00	0	Y	Y	N	N	N	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y
	Mutotoshi	H. Mulenga		New	12	9	3	12	2.50	0.75	0	12	9	3	12	3.00	3.00	0	Y	Y	N	N	N	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y
	M/Mapesa	Erastus Siyunda		New	22	21	1	22	3.00	3.00	1	22	21	1	22	3.50	5.00	0	Y	Y	N	N	N	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y
			Total		**67**	**66**	**30**	**96**	**9.33**	**17.75**	**1**	**77**	**66**	**30**	**96**	**11.50**	**31.00**	**0**																
Constructed in 2015	Katutwa	Nakamba K.	Nshindano	IMP	70	94	28	122	5.00	3.00	0	70	49	31	80	5.00	8.00	0	Y	N	N	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y
	Katutwa	Nakamba K.	Machango	IMP	75	35	14	49	4.00	3.00	0	75	35	14	49	4.50	5.00	2	Y	N	N	Y	Y	Y	Y	Y	Y	Y	N	Y	N	Y	Y	Y
	Katutwa	Nakamba K.	Mwita	IMP	35	100	21	121	10.00	4.00	1	35	88	22	110	10.10	6.00	1	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	N	Y	Y	Y
	Moseni	Chisanga.B.	Monta	IMP	33	28	56	84	4.80	3.50	28	36	28	40	68	4.80	6.00	30	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Moseni	Chisanga.B.	Twampane	IMP	12	18	14	32	3.40	2.00	6	16	22	14	36	4.00	4.00	6	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Moseni	Chisanga.B.	Ninga	IMP	17	14	9	23	3.40	3.50	1	17	10	9	19	3.60	5.00	3	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Mpalapata	Gift Malumo	Kachikashi	IMP	8	8	2	10	1.75	5.50	2	8	5	4	9	2.10	7.00	4	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y
	Mpalapata	Gift Malumo	Mukumba	IMP	4	5	3	8	1.20	4.00	3	4	5	3	8	1.20	4.00	3	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y	N	Y	Y	Y
	Mpalapata	Gift Malumo	Fitungulu	IMP	11	13	8	21	1.40	4.00	3	13	14	10	24	1.40	4.00	3	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y	N	Y	Y	Y
	Kambobe	Chipeta.K.	Kampanda	IMP	4	6	4	10	0.50	2.00	2	6	7	5	12	1.00	3.50	4	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y	N	Y	Y	Y
	Kambobe	Chipeta.K.	Kapanda	IMP	3	4	3	7	0.64	1.50	0	5	5	4	9	1.00	1.50	0	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y
	Kambobe	Chipeta.K.	Lukonko	IMP	3	3	2	5	1.24	7.00	0	3	3	2	5	1.00	8.00	0	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y
	Kambobe	Chipeta.K.	Chilando	IMP	4	6	4	10	0.75	2.50	0	4	6	5	11	1.20	3.00	0	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y
	District	Chininga.C.	Mushutu	IMP	21	38	11	49	0.80	2.50	2	22	33	16	49	1.00	4.00	3	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	District	Chininga.C.	Kapanda	IMP	14	24	16	40	1.00	4.00	0	14	24	18	42	1.50	5.50	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	District	Chininga.C.	Lupungu	IMP	16	32	18	50	1.50	4.25	0	40	26	16	42	2.00	6.10	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
			Total		**330**	**428**	**213**	**641**	**41.38**	**56.25**	**48**	**368**	**360**	**213**	**573**	**45.40**	**80.60**	**59**																
	Mpalapata	Gift Malumo	Bundesha	New	9	11	5	16	1.30	3.00	0	9	7	3	10	1.30	3.00	0	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y
	Kambobe	Chipeta.K.	Kambobe	New	5	5	7	12	0.45	2.00	0	5	5	7	12	0.45	2.00	0	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y
	Kambobe	Chipeta.K.	Kopeka	New	7	8	10	18	1.00	3.00	4	11	12	10	22	1.50	5.00	5	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y
	Katutwa	Nakamba K.	Kabwe Changala	New	35	71	139	210	0.40	0.50	0	35	61	88	149	0.80	3.00	0	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Moseni	Chisanga.B.	Kashingishi	New	15	15	4	19	1.00	2.00	1	15	17	8	25	1.50	4.00	1	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y
	Moseni	Chisanga.B.	Pamba	New	17	26	8	34	0.50	0.00	0	19	27	11	38	1.60	2.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y
	Moseni	Chisanga.B.	Maute	New	16	16	14	30	1.80	1.50	0	17	19	20	39	2.00	3.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Moseni	Chisanga.B.	Ming'omba	New	23	35	35	70	0.60	0.00	0	26	35	41	76	1.00	2.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Moseni	Chisanga.B.	Matipa	New	21	43	33	76	0.50	0.50	0	21	43	33	76	1.80	3.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Moseni	Chisanga.B.	Kanyambi	New	18	12	14	26	1.00	1.50	0	18	21	14	35	2.00	3.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Moseni	Chisanga.B.	Twabuke	New	12	8	10	18	0.30	0.50	0	14	11	10	21	0.80	1.50	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Moseni	Chisanga.B.	Malonge	New	20	13	10	23	0.50	1.50	0	23	15	10	25	1.00	2.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Distrfict	Chininga.C.	Mipa	New	8	11	8	19	0.30	0.25	0	9	11	8	19	0.80	1.50	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
			Total		**206**	**274**	**297**	**571**	**9.65**	**16.25**	**5**	**222**	**284**	**263**	**547**	**16.55**	**35.00**	**6**																

Monitoring Sheet for Simple Weir Schemes constructed in 2014 and 2015 (As of End of October, 2016)

District: Nsama

Construction Year	Camp	CEO	Site Name	New or Imp as of construction year	Achievement in 2014 or 2015							Achivement by End of October 2016 in TOTAL							Please indicate "Y" for the ones the officer has disseminated by End of Oct 2016 and "N" for the ones not deisseminated								Please indicate "Y" for the ones the farmers have applied by End of Oct 2016 and "N" for the ones not applied							
					No. of member Farmers in the site				Canal Length (km)	Area irrigated (lima)	No. of fish pond	No. of member Farmers in the site				Canal Length (km)	Area irrigated (lima)	No. of fish pond	Dissemination by Officers by End of October 2016 (Y: yes, N: no)								Application by Farmers by End of October 2016 (Y: yes, N: no)							
																			Irrigation Tech		Farming Tech					Market-Oriented Farming	Irrigation Tech		Farming Tech					Market-Oriented Farming
					No. of HH	Male	Female	Total				No. of HH	Male	Female	Total				O&M	On-Farm Irrigation	Contour-ridge	Soil Improve	Companion cropping	Nutritious crop	Others		O&M	On-Farm Irrigation	Contour-ridge	Soil Improve	Companion cropping	Nutritious crop	Others	
Constructed in 2014	Munsele	James Simwinga	Kcenansa 1	Imp	7	10	3	13	0.60	2.00	0	5	13	7	20	1.00	4.00	0	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N	Y	Y	Y	N	Y
	Mukotwe	Josphine P.	Naukotkse 1	Imp	5	5	0	5	0.15	2.00	0	4	6	3	9	0.50	2.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N	Y
		Clement Mulife	Kananda 1	Imp	7	7	3	10	1.10	2.00	0	3	4	3	7	1.00	3.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	N	N	N
			Total		19	22	6	28	1.85	6.00	0	12	23	13	36	2.50	9.00	0																
	Munsele	James Simwinga	Kanwande 2	New	10	13	2	15	0.15	0.50	0	6	7	8	15	1.50	3.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y
	Mundele	James Simwinga	Kananta 3	New	15	16	7	23	0.10	1.00	0	5	10	5	15	1.00	2.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N	N
	Munsele	James Simwinga	Matebe	New	20	15	5	20	0.10	1.00	0	6	3	5	8	1.50	4.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N	N
	Katele	James Simwinga	Kalolo 1	New	5	5	3	8	0.20	0.50	0	3	3	6	9	2.00	4.00	1	Y	Y	Y	N	Y	Y	N	Y	Y	N	N	Y	Y	Y	Y	Y
	Katele	James Simwinga	Kalolo 2	New	4	3	2	5	0.15	2.00	1	3	4	5	9	1.00	3.00	0	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N	Y
	Mukotkoe	Josprune P.	Mukothe 2	New	5	5	6	11	0.20	2.00	0	2	3	4	7	0.70	1.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	N	Y	Y
			Total		59	57	25	82	0.90	7.00	1	25	30	33	63	7.70	17.00	1																
Constructed in 2015	Mukotwe	Annie Nakamba	Kambakwe	Imp	10	25	5	30	1.00	4.00	0	3	3	3	6	1.00	2.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	N	Y	Y
	Mukotwe	Annie Nakamba	Mukotwe	Imp	5	6	6	12	0.80	2.00	1	1	2	3	5	0.50	0.50	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	N	N
	Mukotwe	Annie Nakamba	Mukotwe2	Imp	6	5	3	8	1.00	3.00	0	2	3	3	6	0.50	1.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	N	N
	TSB	Mulise.C.	Matete	Imp	20	15	5	20	0.35	1.00	0	4	5	6	11	1.50	2.00	0	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N	Y	Y	Y	Y	N
	Munyele	Mulise.C.	Kananda	Imp	21	17	5	22	0.50	2.00	0	3	5	3	8	0.50	1.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	Y
	Munyele	James Simwinga	Kalolo	Imp	5	6	6	12	0.80	2.00	1	6	6	5	11	1.00	3.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N	Y
	Munyele	James Simwinga	Matete	Imp	20	15	5	20	0.35	1.30	0	6	3	5	8	1.50	4.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y
	Katele	Chinza	Katele	Imp	6	5	3	8	2.50	3.00	0	2	3	3	6	1.00	2.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N	Y
	Katele	Chinza	Kalolo2	Imp	5	4	3	7	1.00	2.00	0	3	4	5	9	1.00	3.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	Y
			Total		98	98	41	139	8.30	20.30	2	30	34	36	70	8.50	18.50	0																
	Mukotwe	Annie Nakamba	Chilulu	New	7	5	5	10	0.50	2.00	0	3	4	6	10	0.50	1.00	0	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N	Y	Y	Y	N	N
	Mukotwe	Annie Nakamba	Mukotwe2	New	5	5	4	9	0.50	2.00	0	2	3	4	7	1.00	3.00	0	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N	Y	Y	Y	N	N
	Mukotwe	Annie Nakamba	Mukotwe3	New	7	10	5	15	0.50	0.50	3	4	3	5	8	0.50	1.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	N	N	N
	Kananda	Annie Nakamba	Aug	New	15	10	7	17	0.50	0.50	?	3	3	4	7	0.50	1.00	0	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N	Y	Y	N	N	N
	Mukotwe3	Annie Nakamba	Mukotwe3	New	7	10	5	15	0.50	2.00	0	4	5	5	10	1.00	2.00	0	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N	Y	Y	Y	N	Y
	Mukotwe	Mulise.C.	Kalolo	New	5	6	6	12	0.50	0.50	1	1	2	3	5	1.00	1.00	0	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N	Y	Y	Y	Y	N
	Munyele1	James Simwinga	Kalolo	New	5	6	6	12	0.50	2.00	1	1	2	2	4	0.50	0.50	0	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N	Y	Y	N	Y	Y
	Munyele	James Simwinga	Kananda3	New	15	16	7	23	0.50	2.00	0	1	2	3	5	0.50	0.50	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y
			Total		66	68	45	113	4.00	11.50	5	19	24	32	56	5.50	10.00	0																

Monitoring Sheet for Simple Weir Schemes constructed in 2014 and 2015 (As of End of October, 2016)

District: Mbala

Construction Year	Camp	CEO	Site Name	New or Imp as of construction year	Achievement in 2014 or 2015							Achivement by End of October 2016 in TOTAL							Please indicate "Y" for the ones the officer has disseminated by End of Oct 2016 and "N" for the ones not deisseminated								Please indicate "Y" for the ones the farmers have applied by End of Oct 2016 and "N" for the ones not applied							
					No. of member Farmers in the site				Canal Length (km)	Area irrigated (lima)	No. of fish pond	No. of member Farmers in the site				Canal Length (km)	Area irrigated (lima)	No. of fish pond	Dissemination by Officers by End of October 2016 (Y: yes, N: no)								Application by Farmers by End of October 2016 (Y: yes, N: no)							
					No. of HH	Male	Female	Total				No. of HH	Male	Female	Total				Irrigation Tech		Farming Tech					Market-Oriented Farming	Irrigation Tech		Farming Tech					Market-Oriented Farming
																			O&M	On-Farm Irrigation	Contour-ridge	Soil Improve	Companion cropping	Nutritious crop	Others		O&M	On-Farm Irrigation	Contour-ridge	Soil Improve	Companion cropping	Nutritious crop	Others	
Constructed in 2014	Mambwe	Monday Chintu	Munsimbwe	Imp	9	6	3	9	0.50	1.00	0	12	8	4	12	1.50	3.00	0	Y	N	N	Y	N	N	N	N	N	N	N	Y	N	N	N	N
	Mambwe	Monday Chintu	Sikalanda	Imp	12	9	3	12	0.42	0.60	0	13	10	3	13	1.00	2.50	0	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
	Senga	Julius Mulenga	Chishitumusamba	Imp	6	9	4	13	1.50	9.25	0	8	11	5	16	1.70	9.80	0	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
	Senga	Julius Mulenga	Mumole	Imp	10	7	3	10	2.40	9.00	0	10	7	4	11	2.50	9.50	0	N	N	N	Y	N	N	N	N	Y	N	N	N	N	N	N
	Senga	Julius Mulenga	Mikupu	Imp	6	5	3	8	0.80	7.90	0	6	6	3	9	1.00	8.00	0	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
	Sbnga	???	Kamitanga	Imp	20	25	5	30	1.60	3.50	0	22	26	7	33	1.80	4.00	0	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Nondo	Eunice Chilongo	Chikonde	Imp	20	12	8	20	3.00	3.00	0	20	13	7	20	3.00	3.00	0	N	Y	N	N	N	N	N	Y	N	N	N	N	N	N	N
	Nondo	Eunice Chilongo	Dhiboko	Imp	22	18	12	30	3.00	4.00	0	20	17	10	27	3.00	4.00	0	N	Y	N	N	N	N	N	N	Y	N	N	N	N	N	N
	Nondo	Eunice Chilongo	Kambafwile	Imp	20	18	15	33	2.00	5.00	0	21	19	16	35	2.50	5.50	0	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N
	Nondo	Eunice Chilongo	Mpangankulu	Imp	10	11	9	20	2.50	4.00	0	10	13	9	22	2.50	4.60	0	N	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N
	Nondo	Eunice Chilongo	Shikulu Musonda	Imp	15	20	15	35	2.00	2.00	0	15	21	16	37	2.00	2.50	0	N	N	N	Y	N	N	N	N	Y	N	N	N	N	N	N
	Lunzuwa	Simposo Stepher	Chanona	Imp	12	54	22	76	2.10	4.00	2.5	14	53	20	73	2.40	4.50	3	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N
	Lunzuwa	Simposo Stepher	Ntenda	Imp	8	32	24	56	1.50	5.50	0	12	35	24	59	2.00	6.00	0	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
	Masamba	Kaira Machua	Musatu	Imp	17	18	7	25	2.20	5.00	0	18	10	26	36	2.50	5.40	0	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Masamba	Kaira Machua	Musatwe	Imp	22	14	8	22	2.80	8.00	0	22	15	9	24	3.00	8.00	0	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N
	Lucheche	Annie Nyirongo	Tutenzi	Imp	10	35	15	50	4.00	12.00	0	19	40	16	56	5.00	18.00	0	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Lucheche	Annie Nyirongo	Mwambezi	Imp	13	40	21	61	2.70	9.00	0	20	45	26	71	3.00	12.00	0	Y	N	N	Y	N	N	N	N	Y	N	N	N	N	N	N
			Total		**232**	**333**	**177**	**510**	**35.02**	**92.75**	**2.5**	**262**	**349**	**205**	**554**	**40.40**	**110.30**	**3**																
	Mambwe	Monday Chintu	Kawezya	New	8	6	2	8	0.56	0.70	0	8	6	2	8	1.00	1.00	0	Y	N	N	N	N	N	N	N	Y	N	N	N	N	N	N
	Mambwe	Monday Chintu	Itwilusi	New	8	8	0	8	0.72	0.50	0	8	8	3	11	1.20	1.80	0	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N
	Mambwe	Monday Chintu	Wangala	New	10	6	4	10	0.30	0.40	0	10	7	4	11	1.40	2.00	0	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Senga	Julius Mulenga	Chikoti	New	4	4	2	6	1.20	5.80	0	6	6	4	10	1.50	6.00	0	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Lunzuwa	Simposo Stepher	Isanya	New	10	43	52	95	1.30	4.00	0	15	46	50	96	1.80	4.50	0	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Masamba	Kaira Machua	Mwange	New	16	14	6	20	0.50	2.00	0	17	14	7	21	1.00	2.40	0	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Nondo	Eunice Chilongo	Reuben	New	15	30	10	40	0.50	2.00	1	15	31	12	43	1.20	4.00	1	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Nondo	Eunice Chilongo	Musafili	New	20	42	10	52	0.50	2.00	0	20	40	10	50	1.30	3.50	0	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Nsokolo	Lameck Lungu	Mwala	New	8	8	4	12	0.64	4.00	0	9	9	5	14	1.10	4.50	0	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N
	Mambwe missiwe	Aaron Sichimata	Kaele	New	9	9	0	9	0.50	0.60	0	12	11	3	14	1.30	1.50	0	Y	N	N	N	N	N	N	N	Y	N	N	N	N	N	N
	Maule	Julius Mulenga	Membe	New	8	6	2	8	0.90	7.00	0	9	7	4	11	1.20	7.50	0	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
			Total		**116**	**176**	**92**	**268**	**7.62**	**29.00**	**1**	**129**	**185**	**104**	**289**	**14.00**	**38.70**	**1**																

Monitoring Sheet for Simple Weir Schemes constructed in 2014 and 2015 (As of End of October, 2016)

District: Mbala

Construction Year	Camp	CEO	Site Name	New or Imp as of construction year	Achievement in 2014 or 2015							Achivement by End of October 2016 in TOTAL							Please indicate "Y" for the ones the officer has disseminated by End of Oct 2016 and "N" for the ones not deisseminated								Please indicate "Y" for the ones the farmers have applied by End of Oct 2016 and "N" for the ones not applied							
					No. of member Farmers in the site				Canal Length (km)	Area irrigated (lima)	No. of fish pond	No. of member Farmers in the site				Canal Length (km)	Area irrigated (lima)	No. of fish pond	Dissemination by Officers by End of October 2016 (Y: yes, N: no)								Application by Farmers by End of October 2016 (Y: yes, N: no)							
					No. of HH	Male	Female	Total				No. of HH	Male	Female	Total				Irrigation Tech		Farming Tech					Market-Oriented Farming	Irrigation Tech		Farming Tech					Market-Oriented Farming
																			O&M	On-Farm Irrigation	Contour-ridge	Soil Improve	Companion cropping	Nutritious crop	Others		O&M	On-Farm Irrigation	Contour-ridge	Soil Improve	Companion cropping	Nutritious crop	Others	
Constructed in 2015	Lunzua	Farai Chigowe	Ntulo	IMP	20	17	12	29	4.00	9.50	9	22	19	13	32	4.00	10.00	9	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Lunzua	Farai Chigowe	Ntenda Central	IMP	14	10	5	15	4.80	7.00	6	16	13	7	20	4.80	7.50	6	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Lunzua	Farai Chigowe	Kakonde	IMP	21	17	11	28	3.80	8.80	11	21	16	10	26	3.80	9.00	11	N	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
	Masamba	Bruno Mubanga	Chindo	IMP	15	14	4	18	2.80	4.00	0	16	17	7	24	2.80	4.40	0	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N
	Masamba	Bruno Mubanga	Kalamanza	IMP	22	16	7	23	3.40	7.00	0	22	15	6	21	3.60	7.40	0	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
	Masamba	Bruno Mubanga	Chingombe	IMP	26	17	9	26	3.40	7.50	0	26	17	9	26	3.40	7.50	0	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Kawimbe	Cliff Kafula	Mpemba	IMP	29	19	11	30	3.50	10.00	0	29	21	10	31	3.50	10.00	0	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
	Kawimbe	Cliff Kafula	Mulalo	IMP	27	15	8	23	3.40	6.00	9	28	17	9	26	3.40	6.00	9	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N
	Kawimbe	Cliff Kafula	Mwandwizi	IMP	15	9	5	14	3.20	5.20	0	17	15	7	22	3.50	6.00	0	Y	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
	District	Annie Nyirongo	Mwanakatwe	IMP	30	18	15	33	4.10	9.00	0	30	19	14	33	4.60	9.60	0	Y	N	N	N	N	N	N	N	Y	N	N	Y	N	N	N	N
	District	Annie Nyirongo	Muzwai	IMP	19	15	11	26	2.50	7.00	0	19	16	11	27	2.50	7.00	0	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	District	Annie Nyirongo	Ntenda East	IMP	15	12	7	19	4.50	6.50	0	20	16	10	26	4.50	7.00	0	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Chindo	Chrispine Chirwa	Manzi	IMP	17	14	8	22	3.40	3.00	0	17	16	9	25	3.40	3.60	0	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Chindo	Chrispine Chirwa	Chindo	IMP	29	17	13	30	1.90	3.00	0	29	18	10	28	2.00	3.70	0	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N
	Lucheche	Memory Chisha	Chilatila	IMP	15	16	9	25	2.20	8.00	4	16	21	11	32	2.50	8.00	4	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
	Lucheche	Memory Chisha	Mwambezi	IMP	20	15	10	25	3.00	8.00	3	27	28	15	43	3.80	9.50	3	N	N	N	Y	N	N	N	N	N	N	N	Y	N	N	N	N
	Lucheche	Memory Chisha	Isanya	IMP	25	11	6	17	3.00	9.50	2	30	15	9	24	3.00	10.00	2	N	N	Y	Y	N	N	N	N	Y	N	N	N	N	N	N	N
			Total		**359**	**252**	**151**	**403**	**56.90**	**119.00**	**44**	**385**	**299**	**167**	**466**	**59.10**	**126.20**	**44**																
	Luchele	Memory Chisha	Chiyanga	New	25	18	11	29	1.00	3.00	0	25	20	12	32	1.30	3.50	0	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
	Luchele	Memory Chisha	Kati	New	20	15	9	24	1.20	2.00	0	24	18	11	29	1.60	3.00	0	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
	Lunzua	Farai Chigowe	Chisa	New	25	18	14	32	2.00	3.50	0	25	18	15	33	2.40	4.00	0	N	Y	N	Y	N	N	N	N	Y	N	N	N	N	N	N	N
	Lunzua	Farai Chigowe	Saise	New	17	15	12	27	1.50	4.00	0	19	17	15	32	1.70	4.50	0	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N
	Masamba	Bruno Mubanga	Musisha	New	22	16	9	25	2.00	2.00	0	22	17	11	28	2.20	2.50	0	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Masamba	Bruno Mubanga	Kalwanga	New	15	12	7	19	1.90	3.00	0	17	14	8	22	2.00	3.60	0	N	N	N	N	N	N	N	N	Y	N	N	Y	N	N	N	N
	Kawimbe	Cliff Kafula	Kawama	New	18	14	8	22	2.00	2.00	0	19	16	9	25	2.00	2.50	0	N	N	N	Y	N	N	N	N	Y	N	N	N	N	N	N	N
	Kawimbe	Cliff Kafula	Lumi	New	17	15	5	20	1.00	1.50	0	17	16	6	22	1.20	1.80	0	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N
	District	Machua Kaira	Saise East	New	30	26	14	40	1.80	6.00	?	30	30	13	43	2.20	6.50	0	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N
	District	Machua Kaira	Kasulo	New	19	15	6	21	1.40	2.00	0	19	17	9	26	1.50	2.50	0	Y	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N
	District	Annie Nyirongo	Mutwizi	New	15	13	9	22	1.20	3.00	0	17	16	11	27	1.50	3.40	0	Y	N	N	Y	N	N	N	N	N	N	N	Y	N	N	N	N
	Chindo	Chrispine Chirwa	Chitusa	New	24	18	12	30	0.80	2.00	0	25	20	15	35	1.60	3.00	0	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N
	Chindo	Chrispine Chirwa	Kapunda	New	20	19	14	33	0.90	1.00	0	20	21	14	35	1.50	2.40	0	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Chindo	Chrispine Chirwa	Misuku	New	27	30	12	42	1.00	2.00	0	29	34	13	47	1.50	3.50	0	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
			Total		**294**	**244**	**142**	**386**	**19.70**	**37.00**	**0**	**308**	**274**	**162**	**436**	**24.20**	**46.70**	**0**																

Monitoring Sheet for Simple Weir Schemes constructed in 2014 and 2015 (As of End of October, 2016)

District: Mpika

Construction Year	Camp	CEO	Site Name	New or Imp as of construction year	Achievement in 2014 or 2015							Achivement by End of October 2016 in TOTAL							Please indicate "Y" for the ones the officer has disseminated by End of Oct 2016 and "N" for the ones not deisseminated								Please indicate "Y" for the ones the farmers have applied by End of Oct 2016 and "N" for the ones not applied							
					No. of member Farmers in the site				Canal Length (km)	Area irrigated (lima)	No. of fish pond	No. of member Farmers in the site				Canal Length (km)	Area irrigated (lima)	No. of fish pond	Dissemination by Officers by End of October 2016 (Y: yes, N: no)								Application by Farmers by End of October 2016 (Y: yes, N: no)							
					No. of HH	Male	Female	Total				No. of HH	Male	Female	Total				Irrigation Tech		Farming Tech					Market-Oriented Farming	Irrigation Tech		Farming Tech					Market-Oriented Farming
																			O&M	On-Farm Irrigation	Contour-ridge	Soil Improve	Companion cropping	Nutritious crop	Others		O&M	On-Farm Irrigation	Contour-ridge	Soil Improve	Companion cropping	Nutritious crop	Others	
Constructed in 2014	Chishibesonde	Nalupya Estella	Chailo	Imp	10	16	13	29	4.00	11.50	6	15	25	17	42	5.00	16.00	6	Y	N	Y	N	Y	N	N	Y	N	N	Y	Y	Y	N	N	N
	Chintu	Kasonde Jenipher	Mulenga Kasomo	Imp	13	2	8	10	3.00	8.50	1	15	4	12	16	3.00	11.00	1	Y	Y	N	Y	N	Y	N	Y	N	N	Y	Y	N	N	N	N
	Katibunga	Shakalima Kenny	Kashaita	Imp	4	7	5	12	1.90	10.00	0	16	10	6	16	3.00	12.00	0	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Katibunga	Shakalima Kenny	Chakulwa	Imp	9	11	16	27	2.10	8.25	0	11	13	18	31	3.50	9.00	1	Y	Y	N	Y	Y	Y	N	N	Y	N	N	N	N	N	N	N
	Katibunga	Simbeya Kalolo	Fella A	Imp	4	6	2	8	0.91	8.00	7	5	5	7	12	2.00	8.00	9	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	Y	Y	N	N
	Katibunga	Simbeya Kalolo	Fella B	Imp	2	4	2	6	1.00	2.00	0	2	4	3	7	1.00	4.00	0	Y	Y	Y	Y	Y	Y	N	N	Y	Y	N	N	Y	N	N	N
			Total		**42**	**46**	**46**	**92**	**12.91**	**48.25**	**14**	**64**	**61**	**63**	**124**	**17.50**	**60.00**	**17**																
	Chishibesonde	Nlupya Estella	Chitompe	New	10	11	12	23	1.10	3.00	0	15	30	22	52	3.00	8.00	1	Y	N	Y	N	Y	N	N	N	N	N	Y	Y	Y	N	N	N
	Chishibesonde	Nlupya Estella	Mapungu	New	7	8	6	14	0.50	1.00	0	7	8	7	15	1.00	1.00	0	Y	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N
	Chishibesonde	Nlupya Estella	Fisonge. C	New	6	9	7	16	0.50	2.00	0	6	9	7	16	0.50	0.50	0	Y	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N
	Chintu	Ksonde Jenipher	Musanya	New	15	11	4	15	1.00	10.00	0	18	15	9	24	1.50	14.00	0	Y	Y	N	N	N	N	N	N	N	N	N	Y	N	N	N	N
	Lufila	Mutale Jeff	Mnomambulwa	New	9	7	8	15	0.90	1.25	0	9	7	8	15	1.10	5.00	0	Y	Y	Y	Y	Y	Y	N	N	Y	Y	N	Y	Y	Y	N	N
	Lufila	Mutale Jeff	Chimbwa	New	5	7	4	11	0.75	0.63	1	5	7	4	11	1.50	1.00	3	Y	Y	Y	Y	Y	Y	N	N	Y	Y	N	N	N	N	N	N
	Katibunga		Kulamwela	New	5	6	6	12	0.10	0.00	0	5	6	6	12	0.90	0.50	0	Y	Y	Y	Y	Y	Y	N	N	Y	Y	N	N	N	N	N	N
			Total		**57**	**59**	**47**	**106**	**4.85**	**17.88**	**1**	**65**	**82**	**63**	**145**	**9.50**	**30.00**	**4**																
Constructed in 2015	Mupamadzi	Lister Mukonka	Mupamadzi	Imp	34	39	26	65	4.10	2.30	0	16	18	21	39	1.50	8.00	1	Y	N	Y	Y	N	N	N	Y	Y	N	N	Y	N	Y	N	Y
	Lukulu	Lilian Kasaka	Lulingila	Imp	19	24	18	42	1.80	4.00	1	19	28	18	46	1.00	12.00	1	Y	N	N	Y	N	Y	N	N	N	Y	N	Y	Y	N	N	N
	Kabulamwiko	Mulenga Maureen	Mulumba	Imp	10	15	7	22	3.00	13.50	0	10	15	7	22	13.00	14.00	0	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	N	N	N	N
	Kabulamwiko	Mulenga Maureen	Mulumba	Imp	12	18	7	25	3.00	17.00	2	12	18	7	25	3.00	18.00	2	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	N	Y	N	N
	D-TSB	TSB (MPK)	Mwila.P.	Imp	4	4	3	7	1.50	3.00	0	4	4	3	7	1.50	3.00	0	Y	Y	Y	Y	Y	Y	N	N	Y	Y	N	N	N	N	N	N
			Total		**79**	**100**	**61**	**161**	**13.40**	**39.80**	**3**	**61**	**83**	**56**	**139**	**20.00**	**55.00**	**4**																
	Kopa	Nakamba Dorice	Mufundashi	New	11	9	7	16	2.00	1.00	2	11	9	7	16	3.00	7.00	2	Y	Y	Y	Y	Y	N	N	N	Y	Y	N	Y	Y	N	N	N
	Mupamadzi	Lister Mukonka	Lubunga	New	30	33	34	67	1.00	0.50	2	21	14	16	30	0.80	7.00	0	Y	N	N	Y	N	N	N	N	N	Y	N	Y	N	N	N	N
	Lukulu	Lilian Kasaka	Lukulu	New	26	20	31	51	1.00	2.00	0	14	20	12	32	1.00	3.00	1	Y	Y	N	Y	N	N	N	N	Y	N	N	Y	N	N	N	N
	Kabulamwiko	Mulenga Maureen	Chiseke.A.	New	15	13	19	32	2.00	3.00	0	15	13	21	34	2.00	4.00	0	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	N	N	N
	Kabulamwiko	Mulenga Maureen	Chiseke.B.	New	5	6	5	11	1.00	1.00	0	5	6	5	11	1.30	3.00	0	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	N	N	N
	Kabulamwiko	Mulenga Maureen	Chiseke.C.	New	5	7	4	11	1.00	0.00	0	6	7	6	13	1.10	2.00	0	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	N	N	Y
	District TSB	TSB (MPK)	Bwalya.F.	New	2	1	2	3	0.50	2.00	0	2	1	2	3	0.50	2.00	0	Y	Y	Y	Y	Y	Y	N	N	Y	N	Y	N	N	Y	N	N
			Total		**94**	**89**	**102**	**191**	**8.50**	**9.50**	**4**	**74**	**70**	**69**	**139**	**9.70**	**28.00**	**3**																

Monitoring Sheet for Simple Weir Schemes constructed in 2014 and 2015 (As of End of October, 2016)

District: **Shiwang'andu**

Construction Year	Camp	CEO	Site Name	New or Imp as of construction year	Achievement in 2014 or 2015							Achivement by End of October 2016 in TOTAL							Please indicate "Y" for the ones the officer has disseminated by End of Oct 2016 and "N" for the ones not deisseminated								Please indicate "Y" for the ones the farmers have applied by End of Oct 2016 and "N" for the ones not applied							
					No. of member Farmers in the site				Canal Length (km)	Area irrigated (lima)	No. of fish pond	No. of member Farmers in the site				Canal Length (km)	Area irrigated (lima)	No. of fish pond	Dissemination by Officers by End of October 2016 (Y: yes, N: no)								Application by Farmers by End of October 2016 (Y: yes, N: no)							
																			Irrigation Tech		Farming Tech					Market-Oriented Farming	Irrigation Tech		Farming Tech					Market-Oriented Farming
					No. of HH	Male	Female	Total				No. of HH	Male	Female	Total				O&M	On-Farm Irrigation	Contour-ridge	Soil Improve	Companion cropping	Nutritious crop	Others		O&M	On-Farm Irrigation	Contour-ridge	Soil Improve	Companion cropping	Nutritious crop	Others	
Constructed in 2014		Brian Sazombo	Gombe	Imp	8	10	12	22	0.60	4.00	0	8	10	12	22	1.00	4.50	1	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y
		Total			**8**	**10**	**12**	**22**	**0.60**	**4.00**	**0**	**8**	**10**	**12**	**22**	**1.00**	**4.50**	**1**																
	Chasosa	Brian Sazombo	Kabundi	New	10	8	10	18	0.40	1.00	1	10	8	10	18	0.40	0.50	1	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	N	Y	Y	Y	N	Y
	Lwanya	Mambwe Joackim	Itulo	New	6	6	4	10	0.10	0.42	0	6	6	4	10	0.10	0.20	0	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
		Total			**16**	**14**	**14**	**28**	**0.50**	**1.42**	**1**	**16**	**14**	**14**	**28**	**0.50**	**0.70**	**1**																
Constructed in 2015	Mukungwa	Joackim.M.	Mukungwa	New	20	26	17	43	0.40	0.00	?	0	0	0	0	0.00	0.00	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	C hasosa	Everson.M.	Munjesa	New	12	13	16	29	0.80	0.00	0	12	13	16	29	0.80	0.50	2	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	N	N	N	Y
	Musonko	Chanda. E.	Mpelembe	New	10	10	6	16	0.20	2.00	1	10	10	6	16	0.20	1.90	2	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y
		Total			**42**	**49**	**39**	**88**	**1.40**	**2.00**	**1**	**22**	**23**	**22**	**45**	**1.00**	**2.40**	**4**																
	Musonko	Chanda. E.	Atumani	Imp	8	6	5	11	1.20	2.50	4	8	6	5	11	1.20	2.00	3	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	N	Y	N	Y	N	Y
	District Chasosa	Brian Sazombo	Chiseko	Imp	7	9	6	15	0.70	5.00	0	7	9	6	15	0.70	4.50	0	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N	Y	N	Y
	District	Brian Sazombo	Mpelembe	Imp	10	7	11	18	0.50	1.00	1	10	7	11	18	0.70	1.60	1	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y
		Total			**25**	**22**	**22**	**44**	**2.40**	**8.50**	**5**	**25**	**22**	**22**	**44**	**2.60**	**8.10**	**4**																

Monitoring Sheet for Simple Weir Schemes constructed in 2014 and 2015 (As of End of October, 2016)

District: Isoka

Construction Year	Camp	CEO	Site Name	New or Imp as of construction year	Achievement in 2014 or 2015							Achivement by End of October 2016 in TOTAL							Dissemination by Officers by End of October 2016 (Y: yes, N: no)								Application by Farmers by End of October 2016 (Y: yes, N: no)							
					No. of member Farmers in the site				Canal Length (km)	Area irrigated (lima)	No. of fish pond	No. of member Farmers in the site				Canal Length (km)	Area irrigated (lima)	No. of fish pond	Irrigation Tech		Farming Tech					Market-Oriented Farming	Irrigation Tech		Farming Tech					Market-Oriented Farming
					No. of HH	Male	Female	Total				No. of HH	Male	Female	Total				O&M	On-Farm Irrigation	Contour-ridge	Soil Improve	Companion cropping	Nutritious crop	Others		O&M	On-Farm Irrigation	Contour-ridge	Soil Improve	Companion cropping	Nutritious crop	Others	
Constructed in 2014	Lualizi	Elano Skala	Ndeke/Kachilikka	Imp	45	16	21	37	1.00	20.00	2	28	22	18	40	2.00	25.00	3	Y	Y	N	Y	Y	Y	N	Y	Y	Y	N	Y	Y	Y	N	Y
			Total		**45**	**16**	**21**	**37**	**1.00**	**20.00**	**2**	**28**	**22**	**18**	**40**	**2.00**	**25.00**	**3**																
	Lualizi	Elano Sakala	Jasusi	New	10	15	5	20	0.20	4.00	0	10	16	4	20	1.00	7.00	0	Y	Y	N	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Lualizi	Elano Sakala	Caswa	New	10	8	4	12	0.20	4.00	0	10	8	4	12	0.50	6.00	0	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N	Y	Y	Y	N	Y
	Kantenshya	Sampa Kanqowke	Namota	New	8	12	3	15	0.30	5.00	0	12	14	5	19	0.60	8.00	0	Y	Y	N	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y
	Kantenshya	Sampa Kanqowke	Mukangala	New	12	20	5	25	0.60	10.00	3	15	28	20	48	8.50	18.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y
			Total		**40**	**55**	**17**	**72**	**1.30**	**23.00**	**3**	**47**	**66**	**33**	**99**	**10.60**	**39.00**	**0**																
Constructed in 2015	Lualizi	Elano Sakala	Siwila Sizala(A)	IMP	15	20	15	35	0.20	16.00	0	15	20	17	37	0.60	12.00	0	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y
	Lualizi	Elano Sakala	Sichimata Sinkolongo	IMP	12	15	8	23	0.50	18.00	0	12	15	8	23	0.80	18.00	0	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Lualizi	Elano Sakala	Sizala.B	IMP	10	14	13	27	1.20	15.00	0	10	15	9	24	1.40	16.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y
	Kafwimbi	Francis Chishimba	Kenya	IMP	13	12	7	19	1.90	28.00	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Nansala	Mwape Patrick	Ngoza	IMP	16	15	5	20	0.30	12.00	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Nansala	Mwape Patrick	Kameme	IMP	10	25	11	36	0.40	10.00	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Nansala	Mwape Patrick	Milongo	IMP	20	20	8	28	0.70	16.00	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Nansala	Patrick Mwape	Chinyansi Kafunda	IMP	13	15	12	27	2.60	20.00	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Kantenshya	Sampa Kangombe	Chavungwa	IMP	15	12	14	26	0.30	12.00	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Kantenshya	Sampa Kangombe	Namisalala	IMP	9	12	9	21	1.15	5.00	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Kantenshya	Sampa Kangombe	Kachilika	IMP	14	9	8	17	0.50	9.00	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Total		**147**	**169**	**110**	**279**	**9.75**	**161.00**	**9**	**37**	**50**	**34**	**84**	**2.80**	**46.00**	**0**																
	Lualizi	Elano Sakala	Sichimata Sinkolongo	New	15	20	15	35	0.20	8.00	0	15	21	15	36	0.50	10.00	0	Y	Y	N	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Lualizi	Elano Sakala	Siwila Sizala	New	12	15	8	23	0.50	10.00	0	15	17	10	27	1.50	12.00	0	Y	Y	N	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y
	Lualizi	Elano Sakala	Sichimata Sinkolongo	New	15	20	15	35	0.20	0.00	0	15	20	15	35	0.50	8.00	0	Y	Y	N	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y
	Kapililonga	George Tembo	Wisi	New	20	17	19	36	0.15	1.00	0	28	20	22	42	0.30	1.50	2	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Nzoche	Michael. M.	Chashata	New	21	27	10	37	0.40	2.00	0	30	29	15	44	0.60	6.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
			Total		**83**	**99**	**67**	**166**	**1.45**	**21.00**	**0**	**103**	**107**	**77**	**184**	**3.40**	**37.50**	**2**																

Please indicate "Y" for the ones the officer has disseminated by End of Oct 2016 and "N" for the ones not deisseminated

Please indicate "Y" for the ones the farmers have applied by End of Oct 2016 and "N" for the ones not applied

Monitoring Sheet for Simple Weir Schemes constructed in 2014 and 2015 (As of End of October, 2016)

District: Nakonde

Construction Year	Camp	CEO	Site Name	New or Imp as of construction year	Achievement in 2014 or 2015							Achivement by End of October 2016 in TOTAL							Please indicate "Y" for the ones the officer has disseminated by End of Oct 2016 and "N" for the ones not deisseminated								Please indicate "Y" for the ones the farmers have applied by End of Oct 2016 and "N" for the ones not applied							
					No. of member Farmers in the site				Canal Length (km)	Area irrigated (lima)	No. of fish pond	No. of member Farmers in the site				Canal Length (km)	Area irrigated (lima)	No. of fish pond	Dissemination by Officers by End of October 2016 (Y: yes, N: no)								Application by Farmers by End of October 2016 (Y: yes, N: no)							
					No. of HH	Male	Female	Total				No. of HH	Male	Female	Total				Irrigation Tech		Farming Tech					Market-Oriented Farming	Irrigation Tech		Farming Tech					Market-Oriented Farming
																			O&M	On-Farm Irrigation	Contour-ridge	Soil Improve	Companion cropping	Nutritious crop	Others		O&M	On-Farm Irrigation	Contour-ridge	Soil Improve	Companion cropping	Nutritious crop	Others	
Constructed in 2014	Chanka	Teddy Simbowe	Mpumba	Imp	10	15	20	35	1.10	4.50	0	13	18	25	43	1.50	5.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y
	Old Fife	Mwamba Martin	Muli	Imp	7	14	10	24	1.70	6.00	0	9	15	12	27	1.80	8.50	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N
	Old Fife	Mwamba Martin	Mukwela	Imp	17	18	11	29	1.50	5.50	0	19	20	14	34	1.70	1.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N
	Mwenzo	Sakajila Kellies	Musengoma B	Imp	6	7	13	20	1.50	4.00	0	20	28	15	43	2.50	16.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N
	Mwenzo	Sakajila Kellies	Kalulu B	Imp	7	9	21	30	0.60	4.00	0	9	12	24	36	0.80	5.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N
	Waitwika	Sakajila Kellies	Burton	Imp	4	13	8	21	0.60	4.00	0	6	15	10	25	0.85	5.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N
	Ilola	Mwansa Sailus	Kanamovu	Imp	11	10	17	27	0.80	5.00	1	12	13	20	33	1.00	6.00	2	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N
	Ilola	Mwansa Sailus	Ilola	Imp	20	15	11	26	1.40	3.00	0	20	15	12	27	1.50	4.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N
			Total		**82**	**101**	**111**	**212**	**9.20**	**36.00**	**1**	**108**	**136**	**132**	**268**	**11.65**	**50.50**	**2**																
	Chanka	Teddy Simbowe	Kalungu	New	7	9	12	21	0.75	1.00	0	8	10	15	25	1.20	1.50	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N
	Old Fife	Mwamba Martin	Ntindi	New	4	10	3	13	0.35	0.50	0	5	12	5	17	0.70	1.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N
	Ilola	Sailas Mwansa	Kaku	New	12	22	25	47	0.50	1.50	0	15	25	30	55	1.00	2.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N
	Ilola	Sailas Mwansa	Mumezye	New	9	13	11	24	0.75	1.00	0	10	14	33	47	1.20	2.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N
	Ilola	Mwansa Sailus	Yalmanga	New	19	23	5	28	0.75	1.00	0	20	28	8	36	1.40	2.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N
	Ilola	Mwansa Sailus	Kapiwila	New	17	15	17	32	0.50	1.00	0	17	16	15	31	1.00	2.50	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N
	Katwachi	Hambwaza Choolwe	Nankulgulu	New	7	10	4	14	0.50	2.00	0	8	12	5	17	1.00	2.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N
	Kalungu	Patrical Singogo	Chipwilillo B	New	15	19	17	36	1.00	1.50	0	15	18	16	34	1.50	2.50	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N
	Shemu	Ethel Chanda	Nyela	New	12	21	7	28	0.60	1.00	0	12	22	8	30	1.00	2.50	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N
			Total		**102**	**142**	**101**	**243**	**5.70**	**10.50**	**0**	**110**	**157**	**135**	**292**	**10.00**	**18.00**	**0**																
Constructed in 2015	Ntatumbila	Chipeta.J.	Kamwakoko	New	18	36	27	63	0.50	0.00	0	20	38	30	68	1.00	1.50	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N
	Ntatumbila	Chipeta.J.	Muleuke	New	25	19	16	35	1.50	1.00	0	30	22	17	39	1.50	2.50	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Old Fife	Nzala.M.	Nchelenje	New	15	19	26	45	0.50	1.00	0	15	20	28	48	1.00	1.50	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N
	Waitwika	Mwape.G.	Nakawale	New	16	17	9	26	0.50	0.00	0	18	23	12	35	1.00	6.50	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N
			Total		**74**	**91**	**78**	**169**	**3.00**	**2.00**	**0**	**83**	**103**	**87**	**190**	**4.50**	**12.00**	**0**																
	Waitwika	Mwape.G.	Kazimu	IMP	11	12	7	19	0.75	1.50	0	13	13	8	21	1.00	3.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N
			Total		**11**	**12**	**7**	**19**	**0.75**	**1.50**	**0**	**13**	**13**	**8**	**21**	**1.00**	**3.00**	**0**																

Monitoring Sheet for Simple Weir Schemes constructed in 2014 and 2015 (As of End of October, 2016)

District: Mafinga

Construction Year	Camp	CEO	Site Name	New or Imp as of construction year	Achievement in 2014 or 2015							Achivement by End of October 2016 in TOTAL							Please indicate "Y" for the ones the officer has disseminated by End of Oct 2016 and "N" for the ones not deisseminated								Please indicate "Y" for the ones the farmers have applied by End of Oct 2016 and "N" for the ones not applied							
					No. of member Farmers in the site				Canal Length (km)	Area irrigated (lima)	No. of fish pond	No. of member Farmers in the site				Canal Length (km)	Area irrigated (lima)	No. of fish pond	Dissemination by Officers by End of October 2016 (Y: yes, N: no)								Application by Farmers by End of October 2016 (Y: yes, N: no)							
					No. of HH	Male	Female	Total				No. of HH	Male	Female	Total				Irrigation Tech		Farming Tech					Market-Oriented Farming	Irrigation Tech		Farming Tech					Market-Oriented Farming
																			O&M	On-Farm Irrigation	Contour-ridge	Soil Improve	Companion cropping	Nutritious crop	Others		O&M	On-Farm Irrigation	Contour-ridge	Soil Improve	Companion cropping	Nutritious crop	Others	
Constructed in 20			NIL																													
Constructed in 2015	TSB Chanama	Emmanuel Chibeluka	Kabilya	IMP	20	23	28	51	1.70	3.00	0	25	28	30	58	1.70	3.50	0	Y	Y	Y	Y	N	Y	N	Y	Y	Y	N	Y	N	Y	N	Y
	Muyombe	Mayembe Nicolas	Kalanga	IMP	33	72	33	105	2.00	5.00	0	35	70	30	100	2.50	5.00	0	Y	Y	N	Y	N	N	N	Y	Y	Y	N	Y	N	N	N	Y
	Chifunda	Nathan Nkota	Janakazi	IMP	5	7	10	17	0.20	4.00	0	7	8	12	20	0.30	5.00	0	Y	Y	N	Y	N	Y	N	Y	Y	Y	Y	Y	Y	N	Y
	Chifunda	Nathan Nkota	Chifunda	IMP	19	18	25	43	0.70	5.00	0	23	21	30	51	0.90	6.00	0	Y	Y	N	Y	Y	Y	N	Y	Y	Y	Y	Y	N	Y	N	Y
			Total		**77**	**120**	**96**	**216**	**4.60**	**17.00**	**0**	**90**	**127**	**102**	**229**	**5.40**	**19.50**	**0**																
	TSB Chitapo	Emmanuel Chibeluka	Lupita	New	21	18	22	40	0.30	4.00	1	22	19	25	44	0.40	5.00	2	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N	Y	Y	Y	N	Y
	TSB Thendele	Emmanuel Chibeluka	Jamba	New	19	26	19	45	0.20	4.00	0	18	26	23	49	0.30	4.20	0	Y	Y	Y	Y	N	N	N	Y	Y	Y	N	Y	N	Y	N	Y
	Katanga	Mayembe Nicolas	Kasalauka	New	13	9	17	26	0.17	1.00	0	18	9	20	29	0.17	1.00	0	Y	Y	N	Y	N	N	N	Y	Y	Y	N	Y	N	N	N	Y
	Katanga	Mayembe Nicolas	Mphalayi	New	16	23	14	37	0.12	1.00	0	16	25	14	39	0.12	1.00	0	Y	Y	N	Y	N	N	N	Y	Y	Y	N	Y	N	N	N	Y
	Chifunda	Nathan Nkota	Kambwili	New	10	21	14	35	0.20	4.00	0	20	30	41	71	0.50	6.00	0	Y	Y	N	Y	N	Y	N	Y	Y	Y	N	Y	N	Y	N	Y
	Chifunda	Nathan Nkota	Thiti	New	22	25	23	48	0.50	10.00	0	22	30	25	55	0.60	5.00	0	Y	Y	N	Y	Y	Y	N	Y	Y	Y	N	Y	Y	Y	N	Y
			Total		**101**	**122**	**109**	**231**	**1.49**	**24.00**	**1**	**116**	**139**	**148**	**287**	**2.09**	**22.20**	**2**																

Monitoring Sheet for Simple Weir Schemes constructed in 2014 and 2015 (As of End of October, 2016)

District: Mansa

Construction Year	Camp	CEO	Site Name	New or Imp as of construction year	Achievement in 2014 and 2015							Achivement by End of October 2016 in TOTAL							Please indicate "Y" for the ones the officer has disseminated by End of Oct 2016 and "N" for the ones not deisseminated								Please indicate "Y" for the ones the farmers have applied by End of Oct 2016 and "N" for the ones not applied							
					No. of member Farmers in the site				Canal Length (km)	Area irrigated (lima)	No. of fish pond	No. of member Farmers in the site				Canal Length (km)	Area irrigated (lima)	No. of fish pond	Dissemination by Officers by End of October 2016 (Y: yes, N: no)								Application by Farmers by End of October 2016 (Y: yes, N: no)							
					No. of HH	Male	Female	Total				No. of HH	Male	Female	Total				Irrigation Tech		Farming Tech					Market-Oriented Farming	Irrigation Tech		Farming Tech					Market-Oriented Farming
																			O&M	On-Farm Irrigation	Contour-ridge	Soil Improve	Companion cropping	Nutritious crop	Others		O&M	On-Farm Irrigation	Contour-ridge	Soil Improve	Companion cropping	Nutritious crop	Others	
Constructed in 2014	Malamba	Betty Mbao	Mutoba	Imp	5	5	3	8	0.60	0.25	0	6	6	6	12	0.67	1.00	0	Y	Y	N	Y	Y	N	Y	Y	N	Y	N	Y	Y	N	Y	Y
	Malamba	Betty Mbao	Malamba	Imp	4	4	0	4	1.00	0.25	0	7	6	4	10	1.10	1.25	0	Y	Y	N	Y	Y	N	Y	Y	Y	Y	N	Y	Y	N	Y	Y
	Malamba	Betty Mbao	Fibalesunga	Imp	10	7	10	17	0.50	0.06	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bahati	Peter Phiri	Nyengele	Imp	5	10	5	15	0.06	0.00	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mukanga	Mubita E	Mukanga	Imp	3	6	2	8	0.04	1.50	0	15	13	2	15	0.70	2.00	0	Y	Y	N	N	Y	Y	N	Y	Y	Y	N	N	Y	Y	N	Y
	Chifula	Micheal Nondo	Lebeni	Imp	20	12	8	20	0.28	1.25	0	5	4	1	5	0.28	0.25	0	Y	Y	Y	Y	Y	Y	N	Y	N	N	N	N	N	N	N	N
	Fipulu	Simon Syamungulu	Mwalongo	Imp	24	6	4	10	0.08	6.00	0	15	10	5	15	0.15	8.00	0	Y	Y	Y	N	N	N	N	N	Y	Y	N	N	N	N	N	N
	Fipulu	Simon Syamungulu	Mushingashi	Imp	3	3	3	6	0.04	2.00	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mbaso	Kasangula Changwa	Talwaka	Imp	10	20	15	35	1.90	3.00	2	10	20	15	35	0.20	1.00	2	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Mbaso	Kasangula Changwa	Chichi wababili	Imp	9	10	9	19	2.20	2.00	2	15	12	3	15	2.20	1.00	0	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Kapyata	Melody Shakambwa	???	Imp	10	11	7	18	2.10	5.20	0	12	9	3	12	1.30	1.20	0	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Chikoshi	Henry Banda	Myengele	Imp	20	12	10	22	2.25	10.50	36	15	9	6	15	0.10	0.50	0	N	Y	Y	Y	Y	Y	N	Y	N	N	N	Y	N	Y	Y	Y
	Chikoshi	Henry Banda	Mufushi	Imp	3	5	5	10	6.20	15.50	5	21	10	8	18	0.60	0.40	0	N	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Chikoshi	Henry Banda	Kangozo	Imp	6	5	6	11	0.50	3.00	1	13	6	9	15	0.40	1.00	0	N	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Chikoshi	Henry Banda	Kasha	Imp	10	3	2	5	0.50	4.25	2	16	13	6	19	1.20	0.75	0	N	Y	Y	Y	Y	Y	Y	N	N	N	N	Y	Y	Y	Y	Y
	Chikoshi	Henry Banda	Kafusha	Imp	4	1	3	4	0.75	4.50	0	23	11	9	20	0.80	0.25	0	N	Y	Y	Y	Y	Y	Y	N	N	N	N	Y	Y	Y	Y	Y
	Mutiti	Ruth Chiyayika	Kapunda Muengele	Imp	10	10	6	16	0.04	4.50	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mutiti???	Ruth Chiyayika???	Mukansa	Imp	8	12	2	14	1.50	10.50	0	10	13	12	25	3.00	2.00	0	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	N	N	Y	Y	Y	Y
			Total		**164**	**142**	**100**	**242**	**20.53**	**74.26**	**48**	**183.00**	**142.00**	**89.00**	**231.00**	**12.70**	**20.60**	**2.00**																	
	Chifula	Micheal Nondo	Katuku	New	19	12	7	19	6.10	1.00	0	1	1	1	2	0.30	0.13	0	Y	Y	Y	Y	Y	Y	N	Y	N	N	N	N	N	N	N	N
	Kapyata	Melody Shakamba	Twafwane	New	11	11	5	16	0.40	2.00	0	12	11	9	20	0.70	0.75	0	Y	Y	Y	Y	Y	Y	N	Y	N	N	N	Y	N	N	N	Y
	Kapyata???	Melody Shakamba???	Chileka	New	6	9	1	10	0.00	1.00	0	14	9	6	15	0.56	1.00	0	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Kapyata	Melody Shakamba	Sepe	New	12	17	7	24	1.80	0.33	0	10	7	5	12	0.13	0.37	0	Y	Y	N	Y	N	Y	Y	Y	N	Y	N	Y	N	N	Y	N
	Mutiti	Ruth Chuyayika	Myengele	New	10	15	10	25	0.07	2.00	0	1	3	4	7	0.05	2.00	0	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	N	N	N	N	N
	Mutiti???	Ruth Chuyayika???	Chibeka	New	7	4	11	15	0.10	0.00	0	7	4	11	15	0.10	0.00	0	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	N	N	N	N	N
	Mutiti???	Ruth Chuyayika???	Chola	New	1	5	0	5	0.15	1.00	0	1	5	0	5	0.15	1.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	Y	N	N	Y
	Mwangoni	Mubita E	Chilikwa	New	6	7	1	8	1.00	1.00	0	10	9	1	10	0.50	1.00	1	Y	Y	N	Y	Y	Y	N	Y	Y	Y	Y	N	Y	Y	N	Y
			Total		**72**	**80**	**42**	**122**	**9.62**	**8.33**	**0**	**56.00**	**49.00**	**37.00**	**86.00**	**2.49**	**6.25**	**1.00**																	
Constructed in 2015	Chibalashi	Taza Zulu	Nsange	Imp	8	8	4	12	0.50	4.25	0	12	20	6	26	0.50	14.00	0	Y	Y	Y	Y	Y	Y	N	N	N	N	N	N	N	N	N	N
	Ntoposhi	Raphael Matipa	Tvikatane Riverside	Imp	7	7	3	10	0.25	2.00	0	15	18	13	31	2.00	8.00	0	Y	Y	Y	Y	Y	Y	N	N	Y	Y	N	N	N	Y	N	Y
	Ntoposhi	Raphael Matipa	Munweumo	Imp	6	6	3	9	0.20	2.00	0	6	7	3	10	0.50	0.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	N	N	N	N
			Total		**21**	**21**	**10**	**31**	**0.95**	**8.25**	**0**	**33.00**	**45.00**	**22.00**	**67.00**	**3.00**	**22.00**	**0.00**																	
	Chibalashi	Taza Zulu	Mulundu	New	10	36	12	48	18.00	0.10	0	10	10	10	20	0.50	16.00	0	Y	Y	Y	Y	Y	Y	N	N	N	N	N	N	N	N	N	N
	Ntoposhi	Raphael Matipa	Kansoka1	New	8	11	0	11	0.22	1.50	1	7	10	3	13	0.70	4.00	2	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N	N	N	Y	N	N
	Ntoposhi	Raphael Matipa	Kansoka2	New	5	5	2	7	0.20	2.50	0	6	8	4	12	0.80	4.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	N	N	N
	Mano	Mike Silume	Mashinda	New	11	16	4	20	0.25	2.05	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mano	Mike Silume	Kabengele	New	15	21	3	24	0.07	0.00	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Total		**49**	**89**	**21**	**110**	**18.74**	**6.15**	**1**	**23**	**28**	**17**	**45**	**2.00**	**24.00**	**2**																	

Monitoring Sheet for Simple Weir Schemes constructed in 2014 and 2015 (As of End of October, 2016)

District: Milenge

Construction Year	Camp	CEO	Site Name	New or Imp as of construction year	Achievement in 2014 or 2015							Achivement by End of October 2016 in TOTAL							Please indicate "Y" for the ones the officer has disseminated by End of Oct 2016 and "N" for the ones not deisseminated								Please indicate "Y" for the ones the farmers have applied by End of Oct 2016 and "N" for the ones not applied							
					No. of member Farmers in the site				Canal Length (km)	Area irrigated (lima)	No. of fish pond	No. of member Farmers in the site				Canal Length (km)	Area irrigated (lima)	No. of fish pond	Dissemination by Officers by End of October 2016 (Y: yes, N: no)								Application by Farmers by End of October 2016 (Y: yes, N: no)							
																			Irrigation Tech		Farming Tech					Market-Oriented Farming	Irrigation Tech		Farming Tech					Market-Oriented Farming
					No. of HH	Male	Female	Total				No. of HH	Male	Female	Total				O&M	On-Farm Irrigation	Contour-ridge	Soil Improve	Companion cropping	Nutritious crop	Others		O&M	On-Farm Irrigation	Contour-ridge	Soil Improve	Companion cropping	Nutritious crop	Others	
Sites constructed in 2014	Mumanse	Shipopa.H	Muchemeshi	Imp	10	10	7	17	1.00	2.50	1	10	10	7	17	1.00	0.00	6	N	Y	N	N	N	N	Y	Y	N	N	N	N	N	N	Y	Y
	Mupita	Mwanda. B	Kansanda	Imp	15	20	12	32	0.30	2.00	4	12	15	10	25	1.00	1.00	0	Y	Y	N	N	N	N	Y	Y	Y	Y	N	N	N	N	Y	Y
	Mulumbi	Mazunda. C .M	Bomba	Imp	8	12	8	20	0.25	1.00	0	8	12	8	20	0.10	0.20	0	N	Y	N	N	N	N	Y	Y	N	N	N	N	N	N	Y	Y
			Total		**33**	**42**	**27**	**69**	**1.55**	**5.50**	**5**	**30**	**37**	**25**	**62**	**2.10**	**1.20**	**6**																
	Mupita	Mwanda. B	Kalali	New	18	25	15	40	0.15	0.00	4	18	25	15	40	0.00	0.00	0	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N
	Mulumbi	Mazunda. C .M	Lukulashi	New	12	17	8	25	0.20	1.00	0	12	17	8	25	0.00	0.00	0	N	Y	N	N	N	N	Y	N	N	Y	N	N	N	N	Y	Y
	Kabange	Kango Gracious	Ngoyi	New	11	13	7	20	0.25	2.00	2	11	13	7	20	0.00	0.00	0	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Ngomba	Banda Lackson	Ngomba	New	8	8	7	15	0.10	1.00	0	8	8	7	15	0.10	0.50	0	N	Y	N	N	N	N	Y	Y	N	Y	N	N	N	N	Y	Y
	Stambuli	Kopa William	Lunuka	New	13	11	7	18	0.20	1.50	1	13	11	7	18	0.00	0.00	0	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Kapalala	Mukuma .B	Kapalala	New	10	9	7	16	0.10	1.00	1	10	9	7	16	0.00	0.00	0	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	Y	N
	Mulambo	Sinkala Elliah	Itemba	New	6	6	5	11	0.08	0.50	0	6	6	5	11	1.00	1.00	0	N	Y	N	N	N	N	Y	Y	N	Y	N	N	N	N	Y	Y
			Total		**78**	**89**	**56**	**145**	**1.08**	**7.00**	**8**	**78**	**89**	**56**	**145**	**1.10**	**1.50**	**0**																
Sites constructed in 2015	Kabange	Lackson Banda	Chiswishi	Imp	15	11	14	25	4.00	4.50	1	16	15	10	25	4.00	5.00	0	N	Y	N	N	N	N	Y	N	N	Y	N	N	N	Y	N	Y
	Kabange	Lackson Banda	Chiswishi	Imp	7	6	6	12	3.50	2.75	0	8	7	6	13	4.00	3.00	0	Y	Y	N	N	N	N	Y	Y	N	Y	N	N	N	Y	Y	Y
	Kabange	Lackson Banda	Chiswishi	Imp	8	8	6	14	2.70	2.25	1	8	8	6	14	3.00	2.00	1	N	Y	N	N	N	N	Y	Y	N	Y	N	N	N	N	Y	Y
			Total		**30**	**25**	**26**	**51**	**10.20**	**9.50**	**2**	**32**	**30**	**22**	**52**	**11.00**	**10.00**	**1**																
	Kabange	Lackson Banda	Matontola	New	9	10	6	16	0.45	1.00	0	8	10	6	16	1.00	1.00	0	N	Y	N	N	N	N	Y	Y	N	Y	N	N	N	N	Y	Y
	Kabange	Lackson Banda	Mibembo	New	15	15	10	25	0.80	3.00	0	10	10	10	20	1.00	3.00	0	N	Y	N	N	N	N	Y	N	N	Y	N	N	N	N	Y	N
	Kafwanka	Mandala Hara	Kamwango	New	7	9	5	14	0.20	2.00	0	7	9	5	14	1.00	1.00	0	N	Y	N	N	N	N	N	Y	N	N	N	N	N	N	N	N
	Kafwanka	Mandala Hara	Akampumbulu	New	10	15	9	24	0.20	0.00	0	10	15	9	24	1.00	0.00	0	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N
			Total		**41**	**49**	**30**	**79**	**1.65**	**6.00**	**0**	**35**	**44**	**30**	**74**	**4.00**	**5.00**	**0**																

Monitoring Sheet for Simple Weir Schemes constructed in 2014 and 2015 (As of End of October, 2016)

District: Chembe

Construction Year	Camp	CEO	Site Name	New or Imp as of construction year	Achievement in 2014 or 2015							Achivement by End of October 2016 in TOTAL							Please indicate "Y" for the ones the officer has disseminated by End of Oct 2016 and "N" for the ones not deisseminated								Please indicate "Y" for the ones the farmers have applied by End of Oct 2016 and "N" for the ones not applied							
					No. of member Farmers in the site				Canal Length (km)	Area irrigated (lima)	No. of fish pond	No. of member in the site				Canal Length (km)	Area irrigated (lima)	No. of fish pond	Dissemination by Officers by End of October 2016 (Y: yes, N: no)								Application by Farmers by End of October 2016 (Y: yes, N: no)							
																			Irrigation Tech		Farming Tech					Market-Oriented Farming	Irrigation Tech		Farming Tech					Market-Oriented Farming
					No. of HH	Male	Female	Total				No. of HH	Male	Female	Total				O&M	On-Farm Irrigation	Contour-ridge	Soil Improve	Companion cropping	Nutritious crop	Others		O&M	On-Farm Irrigation	Contour-ridge	Soil Improve	Companion cropping	Nutritious crop	Others	
Sites constructioned in 2014	Kasomalwela	Sinkala	Chiswishi	Imp	14	12	6	18	3.20	7.50	2	15	12	7	19	3.50	8.00	3	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y
	Kundamfumu	Agness	Mufushi	Imp	14	15	6	21	4.00	10.00	2	14	13	8	21	4.00	9.50	4	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Kundamfumu	Ngosa	Mwatwita	Imp	12	11	6	17	1.80	5.50	0	12	12	5	17	1.80	6.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Lukola	Singongo	Mintongwa	Imp	8	10	5	15	1.50	5.00	0	10	8	9	17	1.60	6.00	2	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y
	Lukola	Singongo	Muyengele	Imp	13	9	7	16	2.00	9.00	0	15	9	10	19	2.20	10.50	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Luwo	Singongo	Twikatane	Imp	12	10	6	16	3.50	11.00	0	13	11	6	17	3.50	11.50	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Luwo	Jenet	Luwo	Imp	7	9	5	14	1.05	3.50	0	8	9	6	15	1.10	4.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
			Total		**80**	**76**	**41**	**117**	**17.05**	**51.50**	**4**	**87**	**74**	**51**	**125**	**17.70**	**55.50**	**9**																
	Kundamfumu	Agness	Chikush	New	15	12	7	19	2.00	3.00	0	45	36	20	56	2.50	10.50	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y
	Luwo	Jenet	Kasanga	New	12	10	8	18	1.66	2.50	0	40	30	35	65	1.60	3.50	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y
	Luwo	Jenet	Happy	New	11	10	5	15	2.50	4.00	0	13	12	6	18	2.50	4.60	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
			Total		**38**	**32**	**20**	**52**	**6.16**	**9.50**	**0**	**98**	**78**	**61**	**139**	**6.60**	**18.60**	**0**																
Sites constructioned in 2015	Luwo	Janet Kaponda	Kasanga	Imp	12	12	9	21	1.40	2.50	0	15	14	10	24	1.50	6.50	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y
			Total		**12**	**12**	**9**	**21**	**1.40**	**2.50**	**0**	**15.00**	**14.00**	**10.00**	**24.00**	**1.50**	**6.50**	**0.00**																
	Chipete	Brian Manenga	Lumbu	New	6	7	4	11	0.20	2.00	0	7	8	4	12	0.50	2.80	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y
	Luwo	Janet Kaponda	Happy	New	16	19	12	31	2.80	1.60	0	16	19	12	31	2.80	1.60	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Luwo	Janet Kaponda	Luwo1	New	10	19	10	29	1.00	2.00	0	10	19	10	29	1.00	7.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Luwo	Janet Kaponda	Luwo2	New	9	12	12	24	0.50	2.00	0	9	12	12	24	0.50	2.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y
	Luwo	Janet Kaponda	Lufusu	New	10	11	8	19	0.80	4.00	0	15	14	10	24	1.20	7.50	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Fikombo	Devious Mwinga	Kantele	New	12	12	8	20	0.25	1.00	0	14	12	10	22	1.00	7.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y
	Lukola	Tonga N.	Twikatane	New	15	10	6	16	0.75	1.80	0	16	12	7	19	1.20	3.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y
			Total		**78**	**90**	**60**	**150**	**6.30**	**14.40**	**0**	**87**	**96**	**65**	**161**	**8.20**	**30.90**	**0**																

Monitoring Sheet for Simple Weir Schemes constructed in 2014 and 2015 (As of End of October, 2016)

District: Chipili

Construction Year	Camp	CEO	Site Name	New or Imp	Achievement in 2014 and 2015							Achivement by End of October 2016 in TOTAL							Please indicate "Y" for the ones the officer has disseminated by End of Oct 2016 and "N" for the ones not deisseminated								Please indicate "Y" for the ones the farmers have applied by End of Oct 2016 and "N" for the ones not applied							
					No. of member Farmers in the site				Canal Length (km)	Area irrigated (lima)	No. of fish pond	No. of member Farmers in the site				Canal Length (km)	Area irrigated (lima)	No. of fish pond	Dissemination by Officers by End of October 2016 (Y: yes, N: no)								Application by Farmers by End of October 2016 (Y: yes, N: no)							
																			Irrigation Tech		Farming Tech					Market-Oriented Farming	Irrigation Tech		Farming Tech					Market-Oriented Farming
					No. of HH	Male	Female	Total				No. of HH	Male	Female	Total				O&M	On-Farm Irrigation	Contour-ridge	Soil Improve	Companion cropping	Nutritious crop	Others		O&M	On-Farm Irrigation	Contour-ridge	Soil Improve	Companion cropping	Nutritious crop	Others	
2014	Chipili	Dickson Nguni	Kankalamu	New	36	12	24	36	1.00	0.50	0	16	18	12	30	1.00	0.50	1	N	N	N	N	N	N	N	N	Y	N	Y	N	N	Y	N	N
			Total		**36**	**12**	**24**	**36**	**1.00**	**0.50**	**0**	**16**	**18**	**12**	**30**	**1.00**	**0.50**	**1**																
Sites constructioned in 2015	Musalango	Barnabas Silomba	Mulila chembe	Imp	6	11	4	15	0.30	4.00	1	10	17	6	23	2.00	6.00	2	N	N	N	N	N	N	N	N	Y	Y	N	Y	N	Y	N	Y
	Musonda	Batister Mwape	Ifumapelo	Imp	9	6	8	14	0.20	1.00	0	9	10	8	18	1.00	2.00	0	Y	Y	N	N	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y
			Total		**15**	**17**	**12**	**29**	**0.50**	**5.00**	**1**	**19**	**27**	**14**	**41**	**3.00**	**8.00**	**2**																
	Kanshimba	Gift Phiri	Kanshimba	New	10	21	6	27	0..18	0.00	0	6	15	4	19	0.02	0.50	0	N	Y	N	N	N	Y	N	Y	Y	Y	N	N	N	Y	N	Y
	Musalango	Barnabas Silomba	Musufya	New	10	17	11	28	0.40	0.00	0	8	16	8	24	1.00	1.50	0	N	Y	N	N	N	N	N	Y	Y	Y	N	N	N	N	N	Y
	Mupeta	Barnabas Silomba	Dauti	New	20	15	20	35	0.67	0.30	0	15	15	6	21	0.90	0.63	0	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	Y	N	Y	N	Y
	Kamami	Barnabas Silomba	Kamami	New	5	4	7	11	0.23	0.20	0	5	3	7	10	0.50	2.00	1	Y	Y	N	N	Y	Y	Y	Y	Y	N	N	N	N	Y	Y	Y
	Mutipula	Sarah Goma	Katwe	New	15	25	17	42	0.00	0.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mukonshi	Mirriam Chikashi	Chibalashi	New	20	12	20	32	0.13	0.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Total		**80**	**94**	**81**	**175**	**1.43**	**1.00**	**0**	**34**	**49**	**25**	**74**	**2.42**	**4.63**	**1**																

Monitoring Sheet for Simple Weir Schemes constructed in 2014 and 2015 (As of End of October, 2016)

District: **Kawambwa**

Please indicate "Y" for the ones the officer has disseminated by End of Oct 2016 and "N" for the ones not deisseminated

Please indicate "Y" for the ones the farmers have applied by End of Oct 2016 and "N" for the ones not applied

Construction Year	Camp	CEO	Site Name	New or Imp	Achievement in 2014 or 2015							Achivement by End of October 2016 in TOTAL							Dissemination by Officers by End of October 2016 (Y: yes, N: no)								Application by Farmers by End of October 2016 (Y: yes, N: no)							
					No. of member Farmers in the site				Canal Length (km)	Area irrigated (lima)	No. of fish pond	No. of member Farmers in the site				Canal Length (km)	Area irrigated (lima)	No. of fish pond	Irrigation Tech		Farming Tech					Market-Oriented Farming	Irrigation Tech		Farming Tech					Market-Oriented Farming
					No. of HH	Male	Female	Total				No. of HH	Male	Female	Total				O&M	On-Farm Irrigation	Contour-ridge	Soil Improve	Companion cropping	Nutritious crop	Others		O&M	On-Farm Irrigation	Contour-ridge	Soil Improve	Companion cropping	Nutritious crop	Others	
Sites constructed in 2014	Chisheta	Esther Mwale	Twamona	Imp	6	16	20	36	1.00	1.50	7	6	6	8	14	1.00	1.50	3	Y	N	Y	Y	Y	N	N	Y	Y	N	Y	Y	Y	N	Y	Y
	Chisheta	Esther Mwale	Tuumfwane	Imp	10	25	20	45	0.20	1.50	3	10	16	20	36	1.50	2.00	4	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y
	Folotiya	Mukosa Aaron	Tunduma	Imp	5	2	3	5	0.50	0.38	9	5	2	4	6	0.50	0.38	6	Y	N	Y	Y	Y	N	Y	Y	Y	N	Y	Y	Y	Y	Y	Y
	Folotiya	Mukosa Aaron	Tunduma	Imp	4	2	5	7	0.20	0.50	5	4	2	3	5	2.50	0.00	3	N	Y	Y	Y	Y	N	Y	N	N	Y	Y	Y	Y	N	Y	Y
	Musungu	Ngenda Joseph	Chibende	Imp	25	33	17	50	0.00	5.00	0	20	10	16	26	1.80	1.00	8	Y	Y	Y	Y	N	Y	N	Y	N	Y	Y	N	N	Y	N	Y
	Shinonde	Lishimba Elizabeth	Munganunshi	Imp	15	14	9	23	0.20	0.75	0	7	6	4	10	0.20	0.50	8	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	N	N	Y	N	Y
	Shinonde	Lishimba Elizabeth	Shinonde	Imp	17	14	3	17	2.50	0.00	10	13	9	4	13	2.50	2.25	4	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	N	N	Y	N	Y
	Shinonde	Lishimba Elizabeth	Kala	Imp	40	25	15	40	1.50	0.00	25	33	21	16	37	1.50	0.50	27	Y	Y	Y	Y	N	Y	Y	Y	Y	N	Y	Y	N	Y	N	Y
	Chibote Block	Chama Leonard	Kabale	Imp	23	31	24	55	0.45	0.25	150	15	20	10	30	1.50	0.50	20	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	N	Y	Y	Y
	Chibote Camp	Muyunda Given	Chikatwe	Imp	15	24	21	45	0.22	0.00	7	13	12	10	22	0.22	0.00	6	Y	N	Y	N	N	N	N	Y	Y	N	N	N	N	N	N	Y
			Total		**160**	**186**	**137**	**323**	**6.77**	**9.88**	**216**	**126**	**104**	**95**	**199**	**13.22**	**8.63**	**89**																
	Folotiya	Mukosa Aaron	Akalamba	New	5	5	3	8	0.20	0.75	0	5	7	4	11	0.20	0.70	0	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y
	Lusambo	Chilambwe Micheal	Chansamalamba	New	9	7	2	9	0.40	0.50	0	8	7	4	11	0.50	1.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y
	Lusambo	Chilambwe Micheal	Chansamalamba Musangulue	New	7	26	19	45	0.25	0.38	0	6	16	9	25	1.20	2.00	3	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	N	N	Y	N	Y
	Munkanta	Banda Winstone	Bubenshi 2	New	25	25	35	60	0.25	0.25	0	8	9	8	17	0.80	0.25	0	Y	Y	Y	Y	N	Y	N	Y	Y	N	Y	N	N	N	N	Y
			Total		**46**	**63**	**59**	**122**	**1.10**	**1.88**	**0**	**27**	**39**	**25**	**64**	**2.70**	**3.95**	**3**																
Sites constructed in 2015	Chibote	Muyunda.K. Given	Kabale	Imp	25	22	30	52	0.20	1.00	52	20	21	22	43	0.20	1.50	49	N	Y	Y	N	Y	N	Y	Y	Y	Y	Y	N	Y	Y	N	Y
	Chibote	Muyunda.K. Given	Chibamba	Imp	5	3	3	6	0.05	0.00	4	6	3	2	5	0.05	1.00	2	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Chibote	Muyunda.K. Given	Fikatwe	Imp	12	10	10	20	0.10	0.00	3	9	11	8	19	0.90	1.00	2	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Muyembe	TSB (KWB)	Kashobwe	Imp	5	10	3	13	0.60	2.50	0	15	15	10	25	2.00	3.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y
	Muyembe1	Chiona Noah	Bulembe2	Imp	4	4	3	7	0.30	1.50	0	10	7	5	12	0.80	0.00	0	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y
	Chipili	Chanda Stephen	Musundu	Imp	19	20	7	27	0.30	1.25	2	18	10	15	25	0.30	1.25	1	N	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	N	Y	N	Y	Y
	Chipili	Chanda Stephen	Nonga	Imp	20	12	8	20	2.70	3.00	5	18	10	6	16	2.70	3.00	4	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y
	Chipili	Chanda Stephen	N'gona	Imp	9	8	7	15	4.00	3.50	0	5	6	4	10	4.00	3.50	0	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	N
	Chisheta	Priscilla Hamanyanga	Mumpisa	Imp	9	14	6	20	2.40	12.00	12	8	10	5	15	1.00	3.00	6	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N
	Munkanta	Priscilla Hamanyanga	Kasanda	Imp	13	12	4	16	2.90	7.20	14	12	11	5	16	2.90	7.20	9	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N
	Lusambo	Chiona Noah	Kani	Imp	7	11	7	18	0.70	2.50	0	6	10	6	16	0.80	3.00	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N
			Total		**128**	**126**	**88**	**214**	**14.25**	**34.45**	**92**	**127**	**114**	**88**	**202**	**15.65**	**27.45**	**73**																
	Chibote	Muyunda.K. Given	Kasalila	New	6	5	5	10	0.05	0.00	0	5	5	5	10	0.60	0.50	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	N
	Chibote	Muyunda.K. Given	Matinga	New	26	4	30	34	0.02	0.00	0	24	28	12	40	0.20	0.50	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	N	N	Y
	Muyembe	Chiona Noah	Bulembe1	New	9	5	8	13	0.20	0.00	0	3	6	8	14	2.00	5.00	0	N	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	Y	N
	Chisulo	Chiona Noah	Zakeyo	New	5	3	6	9	0.50	0.50	0	4	2	6	8	0.50	0.50	1	N	Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	Y	N	Y	Y
	Chipili	Chanda Stephen	Ming'omba	New	40	15	10	25	0.50	0.50	0	38	15	10	25	1.00	2.00	0	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y
	Chitondo	Owen Simwami	Nashipikisha	New	12	10	7	17	0.20	0.25	0	10	7	7	14	0.20	0.25	0	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N
	Chisheta	Priscilla Hamanyanga	Mumpisa	New	6	15	9	24	2.00	0.00	0	5	3	10	13	2.00	1.00	0	N	Y	N	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
			Total		**104**	**57**	**75**	**132**	**3.47**	**1.25**	**0**	**89.00**	**66.00**	**58.00**	**124.00**	**6.50**	**9.75**	**1.00**																

Monitoring Sheet for Simple Weir Schemes constructed in 2014 and 2015 (As of End of October, 2016)

District: Mwansabombwe

Construction Year	Camp	CEO	Site Name	New or Imp	Achievement in 2014 or 2015							Achivement by End of October 2016 in TOTAL							Please indicate "Y" for the ones the officer has disseminated by End of Oct 2016 and "N" for the ones not deisseminated								Please indicate "Y" for the ones the farmers have applied by End of Oct 2016 and "N" for the ones not applied							
					No. of member Farmers in the site				Canal Length (km)	Area irrigated (lima)	No. of fish pond	No. of member Farmers in the site				Canal Length (km)	Area irrigated (lima)	No. of fish pond	Dissemination by Officers by End of October 2016 (Y: yes, N: no)								Application by Farmers by End of October 2016 (Y: yes, N: no)							
																			Irrigation Tech		Farming Tech					Market-Oriented Farming	Irrigation Tech		Farming Tech					Market-Oriented Farming
					No. of HH	Male	Female	Total				No. of HH	Male	Female	Total				O&M	On-Farm Irrigation	Contour-ridge	Soil Improve	Companion cropping	Nutritious crop	Others		O&M	On-Farm Irrigation	Contour-ridge	Soil Improve	Companion cropping	Nutritious crop	Others	
Constructed in 2014	Chilange	Douglas Kafula	Kapweshi	New	13	18	12	30	1.00	8.00	4	10	9	11	20	1.00	8.00	4	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Mbereshi	Kelvin Muyelu	Chilindi	New	4	5	5	10	1.50	1.00	0	4	5	5	10	1.50	1.00	0	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Kapesa	Sakala Pearson	Kansenda	New	12	16	28	44	0.15	8.00	0	12	16	28	44	0.15	8.00	0	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Mumbolo	Happy Lamba	Shimumbolo	New	18	16	21	37	0.60	3.50	2	18	16	21	37	0.60	3.50	2	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Lufubu	Chongo Prince	Chituta	New	11	19	15	34	0.90	12.00	0	11	19	15	34	0.90	12.00	0	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Lufubu	Chongo Prince	Kafuma	New	10	5	5	10	1.70	4.00	0	25	5	5	10	1.70	4.00	0	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
			Total		**68**	**79**	**86**	**165**	**5.85**	**36.50**	**6**	**80**	**70**	**85**	**155**	**5.85**	**36.50**	**6**																
Constructed in 2015	Chiilange	Douglas Kafula	Kapweshi	Imp	20	39	18	57	5.00	14.50	4	-	-	-	-	-	-	-																
	Lufubu	Chongo Prince	Kafuma	Imp	25	7	5	12	2.40	8.50	0	25	7	5	12	2.40	8.50	0	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Mumbolo	Happy Lamba	Shimumbolo	Imp	18	6	12	18	1.20	1.60	0	18	6	12	18	1.20	1.60	2	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
			Total		**63**	**52**	**35**	**87**	**8.60**	**24.60**	**4**	**43**	**13**	**17**	**30**	**3.60**	**10.10**	**2**																
	Chiilange	Douglas Kafula	Kapweshi2	New	16	30	15	45	4.50	10.00	4	16	30	15	45	4.50	10.00	4	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Chiilange	Douglas Kafula	Sebo	New	9	24	6	30	1.00	5.00	1	12	24	6	30	1.50	1.60	1	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Chiilange	Douglas Kafula	Esther	New	10	18	7	25	0.50	1.50	2	11	24	7	31	1.30	2.00	2	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Kayo	Cryton Simbaya	Kasenga	New	25	36	25	61	0.50	5.00	0	25	36	25	61	0.50	5.00	0	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Kayo	Cryton Simbaya	Kambikambi	New	3	7	5	12	0.15	0.75	0	3	7	5	12	0.15	0.75	0	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Kayo	Kangwa Joseph	Kambikambi	New	3	7	5	12	0.15	1.75	0	10	11	5	16	0.70	8.00	16	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y
	Kabalange	Milio Sichila	Mufuta	New	6	5	6	11	0.90	1.00	0	6	5	6	11	0.90	1.00	0	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Lufubu	Lostone Mwelwa	Chitipa	New	16	22	11	33	0.50	1.50	2	16	22	11	33	0.50	1.50	0	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
			Total		**88**	**149**	**80**	**229**	**8.20**	**26.50**	**9**	**99**	**159**	**80**	**239**	**10.05**	**29.85**	**23**																

Monitoring Sheet for Simple Weir Schemes constructed in 2014 and 2015 (As of End of October, 2016)

District: **Mwense**

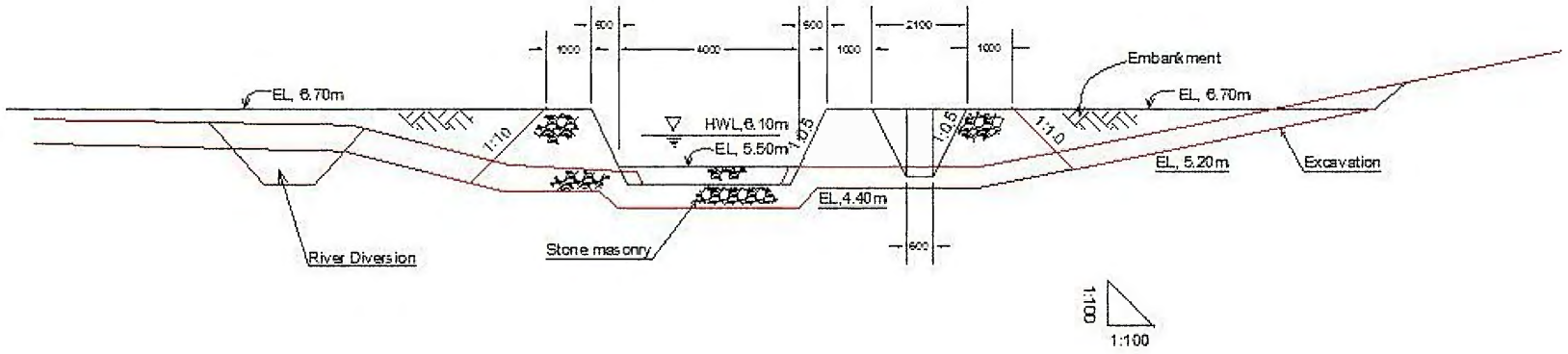
Construction Year	Camp	CEO	Site Name	New or Imp	Achievement in 2014 or 2015							Achivement by End of October 2016 in TOTAL							Please indicate "Y" for the ones the officer has disseminated by End of Oct 2016 and "N" for the ones not deisseminated								Please indicate "Y" for the ones the farmers have applied by End of Oct 2016 and "N" for the ones not applied							
					No. of member Farmers in the site				Canal Length (km)	Area irrigated (lima)	No. of fish pond	No. of member Farmers in the site				Canal Length (km)	Area irrigated (lima)	No. of fish pond	Dissemination by Officers by End of October 2016 (Y: yes, N: no)								Application by Farmers by End of October 2016 (Y: yes, N: no)							
																			Irrigation Tech		Farming Tech					Market-Oriented Farming	Irrigation Tech		Farming Tech					Market-Oriented Farming
					No. of HH	Male	Female	Total				No. of HH	Male	Female	Total				O&M	On-Farm Irrigation	Contour-ridge	Soil Improve	Companion cropping	Nutritious crop	Others		O&M	On-Farm Irrigation	Contour-ridge	Soil Improve	Companion cropping	Nutritious crop	Others	
Constructed in 2014	Mwense Central	Cristine Kananda	Mwashi	Imp	15	8	7	15	1.00	28.00	6	17	18	7	25	2.50	28.00	56	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N	Y	Y	Y	N	Y
	Mwense Central	Cristine Kananda	Conge	Imp	11	12	8	20	0.50	20.00	0	11	12	8	20	0.50	20.00	0	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N	Y	Y	Y	N	Y
	Mwense Central	Cristine Kananda	Conge	Imp	11	11	6	17	0.50	12.75	0	11	11	6	17	0.50	12.75	0	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N	Y	Y	Y	N	Y
	Mubende	Mukupa Bwalya	Lumande	Imp	27	20	18	38	1.50	8.00	14	27	20	18	38	1.50	8.00	14	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N	N	N	Y	N	Y
	Munwa	Mpambwe Kawama	Buyantanshi	Imp	40	18	20	38	3.00	12.00	8	40	18	20	38	3.00	12.00	8	N	Y	Y	Y	Y	Y	N	Y	N	Y	N	N	N	N	N	Y
			Total		**104**	**69**	**59**	**128**	**6.50**	**80.75**	**28**	**106**	**79**	**59**	**138**	**8.00**	**80.75**	**78**																
	Mwense central	Kananda Christine	Bwele	New	13	15	10	25	0.40	8.00	0	13	15	10	25	0.40	8.00	0	Y	Y	Y	Y	Y	Y	N	Y	N	Y	N	Y	Y	Y	N	Y
	Mwense central	Kananda Christine	Fiteba	New	9	9	7	16	0.30	0.60	0	9	9	7	16	0.30	0.60	0	Y	Y	Y	Y	Y	Y	N	Y	N	Y	N	Y	Y	Y	N	Y
	Mubende	Bwalya Mukupa	Aron/ Loto	New	11	12	17	29	?	3.00	0	11	12	17	29	2.00	3.00	0	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N	N	Y	Y	N	Y
	Munwa	Mpambwe Kawama	Buyantanshi	New	38	18	20	38	1.00	12.00	0	40	18	20	38	1.00	12.00	0	N	Y	Y	Y	Y	Y	N	Y	N	Y	N	N	N	N	N	Y
	Kashiba	TSB officer	Chimbili	New	20	23	11	34	1.00	1.00	0	20	23	11	34	1.00	1.00	0	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N	N	N	N	N	Y
			Total		**91**	**77**	**65**	**142**	**2.70**	**24.60**	**0**	**93**	**77**	**65**	**142**	**4.70**	**24.60**	**0**																
Constructed in 2015	Kankolmba	H. Kalobwe	Finkesenge	Imp	4	4	4	8	0.45	5.00	0	4	4	4	8	0.45	5.00	0	Y	Y	Y	Y	Y	Y	N	Y	N	Y	N	Y	N	Y	N	Y
	Kashiba	L. Mukwanje	Gershom	Imp	3	8	7	15	1.00	5.00	0	3	8	7	15	1.50	8.00	0	Y	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N
	Lukwesa	A. Katongo	Kanawa	Imp	3	8	6	14	3.00	6.00	3	3	8	6	14	3.00	10.00	3	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Lukwesa	A. Katongo	Lukwesa	Imp	3	3	7	10	1.20	3.00	2	3	3	7	10	1.20	3.00	2	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Lukwesa	A. Katongo	Kaimba	Imp	2	5	3	8	1.00	2.00	2	2	5	3	8	1.00	6.00	2	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Katuta	M. Chungu	Fiteba	Imp	9	7	5	12	0.34	4.00	0	9	8	7	15	0.40	6.00	1	Y	Y	Y	Y	Y	N	N	Y	Y	Y	N	N	Y	N	N	Y
			Total		**24**	**35**	**32**	**67**	**6.99**	**25.00**	**7**	**24**	**36**	**34**	**70**	**7.55**	**38.00**	**8**																
	TSB Officer	D. Chikwekwe	Kasengu	New	21	15	23	38	1.00	1.00	0	21	15	23	38	1.00	1.00	0	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N	N	N	Y	N	Y
	TSB Officer	D. Chikwekwe	Chifokotola	New	8	6	8	14	1.00	2.00	0	8	6	8	14	1.00	2.00	0	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	N	N	N	Y	N	Y
	TSB Officer	L. Mukwanje	Kote	New	16	12	8	20	0.40	1.00	0	16	12	8	20	0.40	1.00	0	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Kankomba	H. Kalobwe	Kamisashi	New	11	11	9	20	0.25	2.00	0	11	11	9	20	0.35	2.25	0	Y	Y	Y	Y	Y	Y	N	Y	N	Y	N	Y	N	Y	N	Y
	Kankomba	H. Kalobwe	Ombela	New	13	4	14	18	2.00	1.00	0	13	4	14	18	0.20	1.50	0	Y	Y	Y	Y	Y	Y	N	Y	N	Y	N	Y	N	Y	N	Y
	Kashiba	L. Witika	Natubalange	New	20	19	20	39	0.25	1.00	0	20	19	20	39	0.40	2.00	0	N	Y	N	N	Y	Y	Y	Y	N	Y	N	Y	Y	Y	N	Y
	Kashiba	L. Witika	Shimulonga	New	10	12	13	25	0.20	1.00	0	10	12	13	25	0.42	5.00	0	N	Y	N	N	N	Y	Y	Y	N	Y	N	N	N	Y	N	Y
	Kashiba	L. Witika	Muyomba	New	5	6	0	6	0.15	2.00	0	5	6	0	6	0.15	2.00	0	N	Y	N	Y	N	Y	Y	Y	N	Y	N	N	N	Y	N	Y
	Lukwesa	A. Katongo	Kakumbi	New	4	6	3	9	3.40	2.00	0	4	6	3	9	3.40	6.00	0	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Katuta	M. Chungu	Kombe Fitebo	New	12	10	8	18	0.20	2.00	0	12	10	8	18	0.20	2.00	0	N	Y	N	Y	Y	Y	N	Y	N	Y	N	Y	Y	Y	N	Y
			Total		**120**	**101**	**106**	**207**	**8.85**	**15.00**	**0**	**120**	**101**	**106**	**207**	**7.52**	**24.75**	**0**																

Monitoring Sheet for Simple Weir Schemes constructed in 2014 and 2015 (As of End of October, 2016)

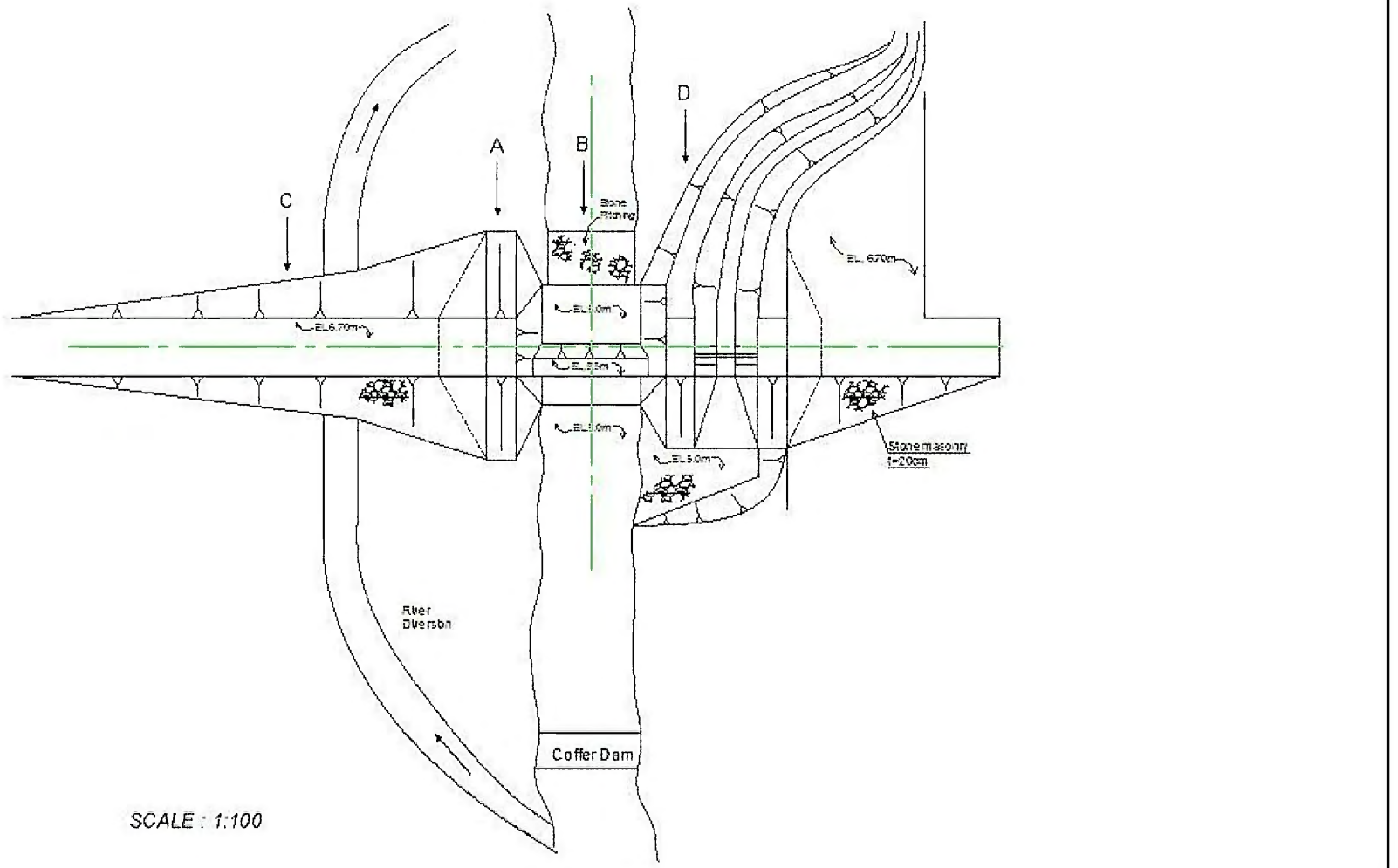
District: **Nchelenge**

Construction Year	Camp	CEO	Site Name	New or Imp	Achievement in 2014 or 2015							Achivement by End of October 2016 in TOTAL							Please indicate "Y" for the ones the officer has disseminated by End of Oct 2016 and "N" for the ones not deisseminated								Please indicate "Y" for the ones the farmers have applied by End of Oct 2016 and "N" for the ones not applied							
					No. of member Farmers in the site				Canal Length (km)	Area irrigated (lima)	No. of fish pond	No. of member Farmers in the site				Canal Length (km)	Area irrigated (lima)	No. of fish pond	Dissemination by Officers by End of October 2016 (Y: yes, N: no)								Application by Farmers by End of October 2016 (Y: yes, N: no)							
																			Irrigation Tech		Farming Tech					Market-Oriented Farming	Irrigation Tech		Farming Tech					Market-Oriented Farming
					No. of HH	Male	Female	Total				No. of HH	Male	Female	Total				O&M	On-Farm Irrigation	Contour-ridge	Soil Improve	Companion cropping	Nutritious crop	Others		O&M	On-Farm Irrigation	Contour-ridge	Soil Improve	Companion cropping	Nutritious crop	Others	
Sites constructed in 2014	Kabuta	Alex Sichula	Munsa	Imp	11	2	12	14	0.20	1.25	0	59	42	40	82	5.47	65.00	0	Y	Y	N	Y	Y	Y	N	Y	Y	Y	N	Y	Y	Y	N	Y
	Mwatishi	Alex Sichula	Mwatishi	Imp	15	11	6	17	0.30	3.00	0	15	11	6	17	0.00	0.00	0	N	Y	Y	Y	N	N	N	N	N	Y	Y	Y	N	N	N	N
	Munsa	F. Mapulanga	Chansa 1	Imp	2	2	0	2	0.10	0.75	2	2	2	0	2	0.10	0.75	2	N	N	N	Y	N	Y	N	N	N	N	N	Y	N	Y	N	N
			Total		**28**	**15**	**18**	**33**	**0.60**	**5.00**	**2**	**76**	**55**	**46**	**101**	**5.57**	**65.75**	**2**																
	Kabuta	Alex Sichula	Kabuta E	New	12	8	22	30	0.40	1.50	0	8	10	12	22	0.40	1.25	0	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	N	Y
	Mulanga	Donald Simpanda	Kafulwa	New	6	4	2	6	0.20	1.00	0	6	4	2	6	0.00	0.00	0	N	N	N	Y	N	N	N	N	N	N	N	Y	N	N	N	N
			Total		**18**	**12**	**24**	**36**	**0.60**	**2.50**	**0**	**14**	**14**	**14**	**28**	**0.40**	**1.25**	**0**																
Sites constructed in 2015	Nchelenge Central	Besa Janet	Kulungu	New	16	10	?	10	0.10	5.00	0	24	20	25	45	0..5	0.00	3	N	Y	N	N	N	N	N	Y	N	Y	N	N	N	N	N	Y
	Nchelenge Central	Besa Janet	Changa Fisali	New	12	8	4	12	0.00	0.00	0	15	18	16	34	0.00	0.00	0	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	Y
	Mulwe	Musonda.G.	Chibolya	New	20	18	10	28	0.50	0.00	0	24	22	20	42	0.50	5.00	0	N	Y	Y	Y	N	Y	N	Y	N	Y	Y	Y	N	Y	N	Y
	Mulwe	Musonda.G.	Chipili	New	25	12	7	19	0.30	4.00	0	25	12	7	19	0.30	4.00	0	N	Y	Y	Y	N	N	N	Y	N	Y	Y	Y	N	N	N	Y
	Mulwe	Musonda.G.	Piyala	New	15	10	6	16	0.20	2.00	0	15	10	6	16	0.20	2.00	0	N	Y	Y	Y	N	N	N	Y	N	Y	Y	Y	N	N	N	Y
	Kasamba	Tembo T	Kaseketi	New	30	40	10	50	0.00	0.00	0	30	40	10	50	0.00	0.00	0	N	N	N	N	Y	Y	N	N	N	N	N	N	Y	Y	N	N
			Total		**118**	**98**	**37**	**135**	**1.10**	**11.00**	**0**	**133**	**122**	**84**	**206**	**1.00**	**11.00**	**3**																

MPOROKOSO 14-1 MPELA



MPOROKOSO 14-1 MPELA



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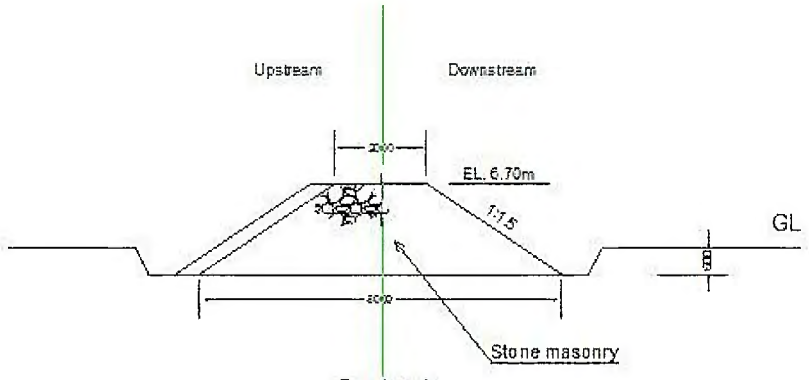

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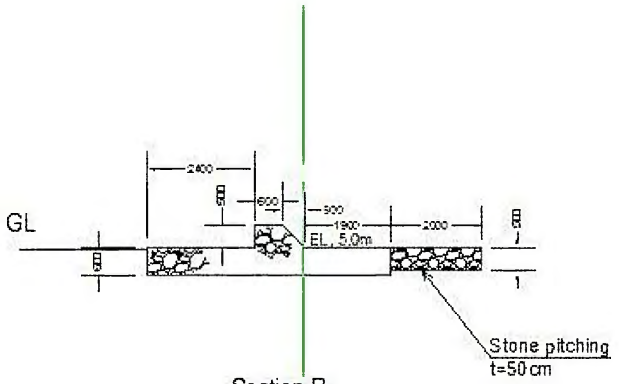

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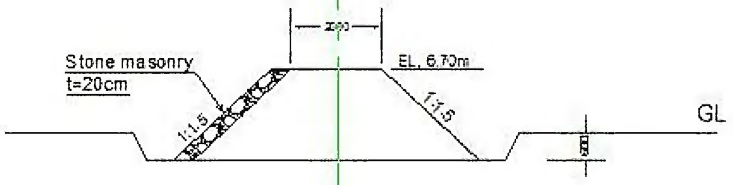


Section C

Section D

PROGRESS SCHEDULE MPR 14-1 Mpela

2014: July – August – September – October – November

Item No.	Work Description	Quantity		Schedule note
1	Preparation Work			
1-1	Site clearing	5.0	day	10 unslkilled labor
1-2	Gathering stones	26.2	day	10 unskilled labor
1-3	Gathering sand	5.8	day	10 unskilled labor
1-4	Preparation of tools	1.0	day	3 unskilled labor
2	Temporary Work			
2-1	Preparation of access road	5.0	day	10 unskilled labor
2-2	Preparation of temporary stock yard	1.0	day	10 unskilled labor
2-3	Excavation of river diversion	2.2	day	20 unskilled labor
2-4	Excavation of left side	3.3	day	20 unskilled labor
2-5	Excavation of right side	3.2	day	20 unskilled labor
2-6	Construction of coffer dam	2.0	day	20 unskilled labor
3	Stone masonry	95.1	day	
3-1	Left side abutment	15.9	day	
3-2	Left side bank upstream slope	2.7	day	
3-3	Weir	1.1	day	
3-4	Apron	9.2	day	2sets
3-5	Right side abutment (left)	50.0	day	
3-6	Right side abutment (right)	9.5	day	
3-7	Right side bank upstream slope	1.3	day	
3-8	Right side inatake upstream	2.1	day	
3-9	Canal lining	2.3	day	
3-10	Intake	1.0	day	
3-11	Mortan mixing	43.6	day	
4	River bed protection	1.0	day	6 unskilled labor
5	Embankment/back filling	11.6	day	
5-1	Right side	4.2	day	10 unskilled labor
5-2	River diversion	2.5	day	15 unskilled labor
5-3	Left side	4.9	day	15 unskilled labor
		161.4	day	
6	Weekly Meeting			
	supervision by CEO, TSB			
	Supervision by JICA Expert			

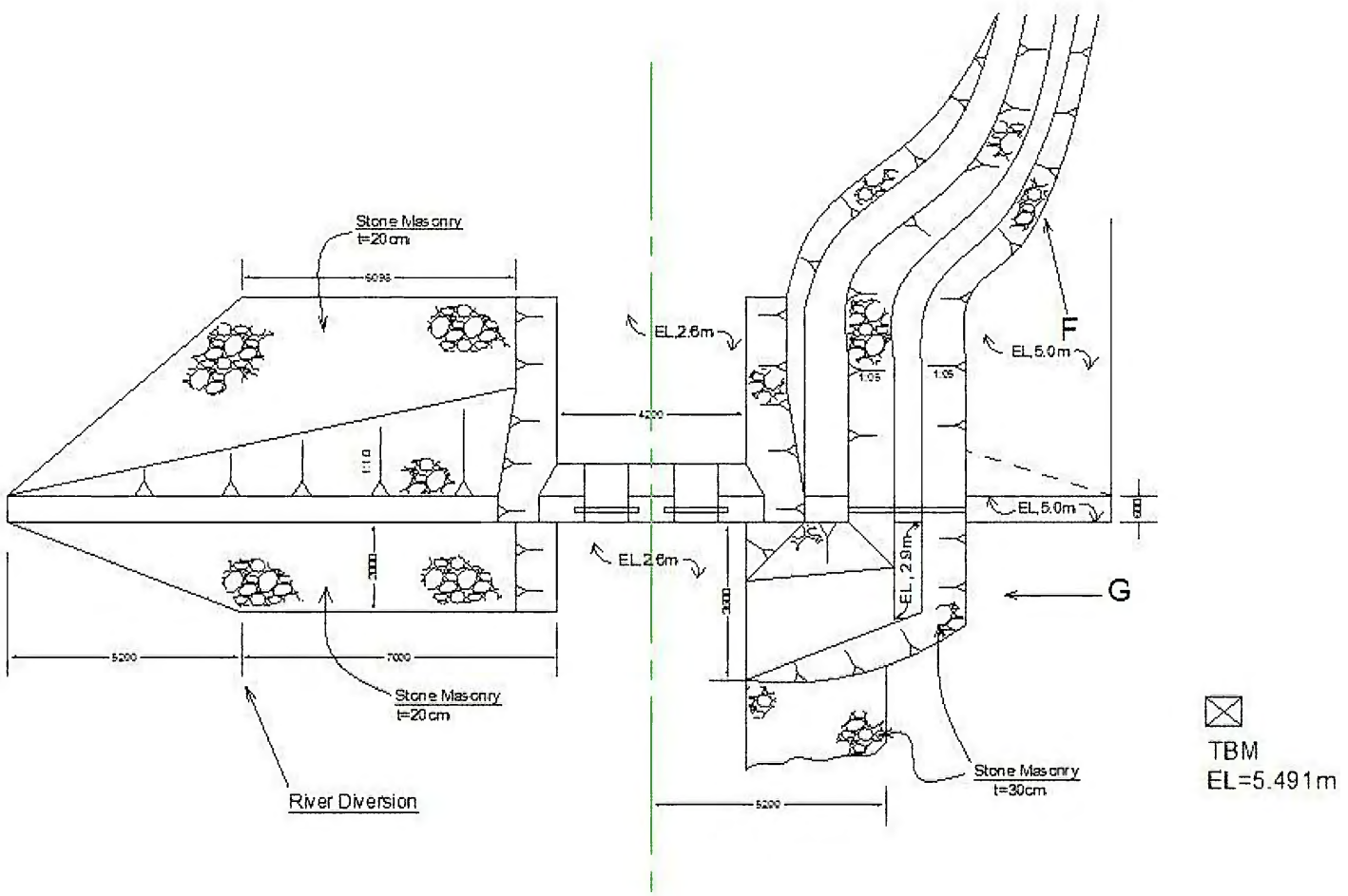
Stone masonry work
1set
6 unskilled labor
1 skilled labor
4 helper
x 2 sets /day

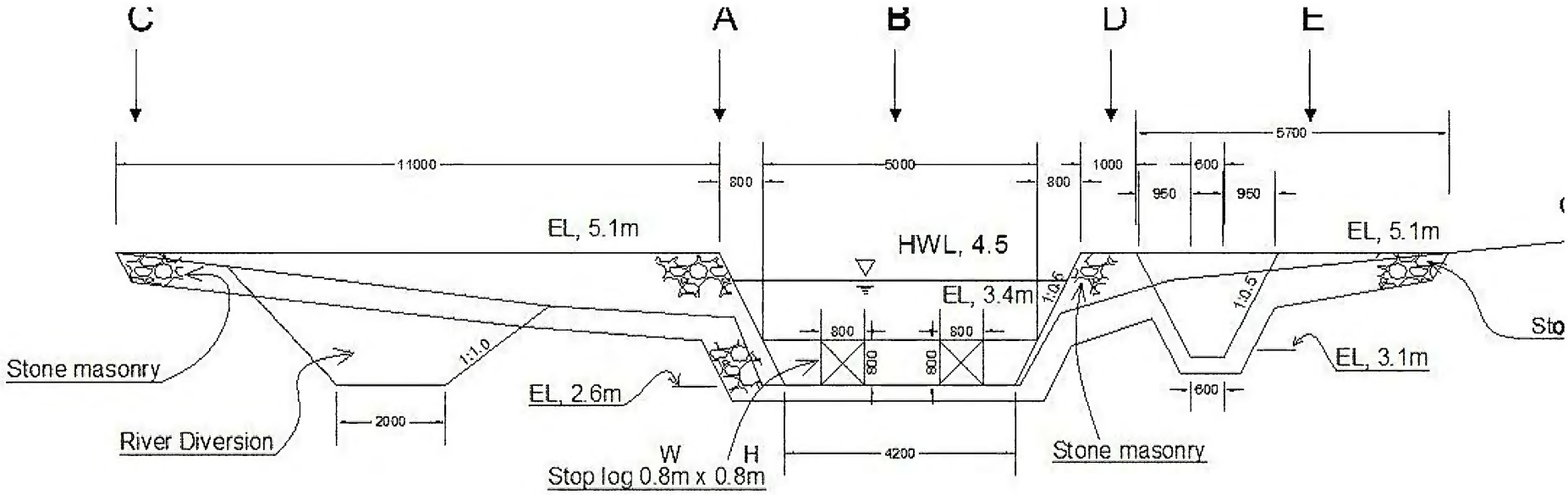
Mortar mixing
6 unsklilled labor
x 2 sets/day

	Daily values	Total
Foreman		
Skilled Labor	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 0 0 2 2 2 2	54
Unskilled Labor	20 20 20 20 20 20 20 23 30 30 30 30 30 30 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 35 35 26 32 32 32 32	1271
Total	0 0 0 0 0 20 20 20 20 20 20 20 23 30 30 30 30 30 30 34 34 34 34 34 34 34 34 34 34 34 34 34 34 34 34 34 34 34 34 34 34 37 35 26 34 34 34 34 0 0 0	1325

AP-II-D-4

MBALA 2-7 KAWAMA

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B
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HWL, 4.5
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EL, 3.4m
1:0.6
1:0.5
800
800
800
800
Stone masonry
1:1.0
EL, 2.6m
EL, 3.1m
2000
600
River Diversion
W
H
4200
Stone masonry
Stop log 0.8m x 0.8m

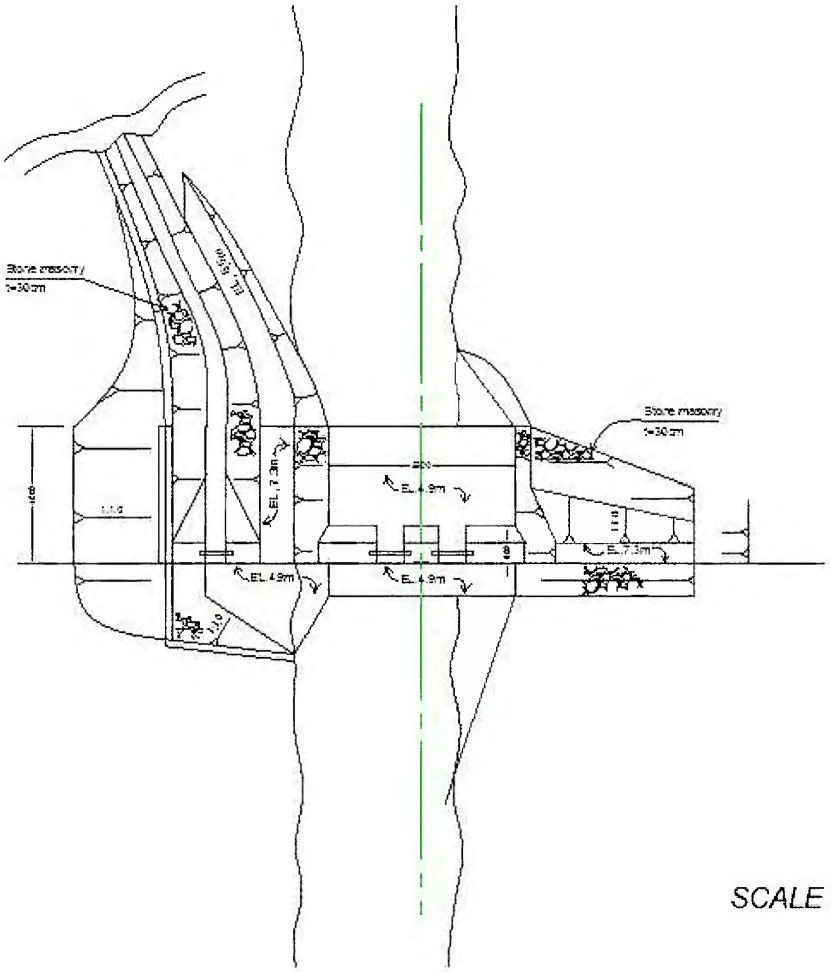
PROGRESS SCHEDULE MBL 2-7 Kawama

2014: July, August, September, October, November

Item No.	Work Description	Quantity		Remarks
1	Preparation Work			
1-1	Site clearing	5.0	day	10 unskilled labor
1-2	Gathering stones	5.6	day	30 unskilled labor
1-3	Gathering sand	5.8	day	10 unskilled labor
1-4	Prteparation of tools	1.0	day	3 unskilled labor
2	Temporary Work			
2-1	Preparation of access road	5.0	day	10 unskilled labor
2-2	Preparation of temporary stock yard	1.0	day	10 unskilled labor
2-3	Excavation of river diversion	11.3	day	20 unskilled labor
2-4	Excavation of left side	3.1	day	20 unskilled labor
2-5	Excavation of right side	3.0	day	20 unskilled labor
2-6	Construction of coffer dam	2.0	day	20 unskilled labor
3	Stone masonry			Stone masonry work 1set 6 unskilled labor 1 skilled labor 8 helper
3-1	Left side abutment	12.4	day	
3-2	Left side slope	4.0	day	
3-3	Weir	2.6	day	
3-4	Right side bank	17.7	day	
3-5	Right side abutment	1.6	day	
3-6	Right side upstream protection	2.8	day	
3-7	Canal lining	10.6	day	
3-8	Intake	1.3	day	
3-9	River diversion filling stone masonry	14.5	day	
3-10	Mortan mixing	57.1	day	Mortar mixing 6 unsklilled labor
4	Embankment/back filling			
4-1	Right side	2.4	day	3 unskilled labor
4-2	River diversion	12.2	day	15 unskilled labor
5	Weekly Meeting	124.8	day	
	supervision by CEO, TSB			
	Supervision by JICA Expert			

Foreman																																																												
Skilled Labor																						1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				36
Unskilled Labor		20	20	30		30	30	30				23	30	30	30	20	20	20	20	20	20	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	24	36	36	36	36	36	36	36	21	21	21	21	21	21	21	21	21				1257
Total	0	20	20	30	0	30	30	30	0	0	0	23	30	30	30	20	20	20	20	20	20	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	25	37	37	37	37	37	37	37	22	22	22	22	22	22	22	22	22				1293

LUWINGU 5-2 MUFILI CHIBWARE



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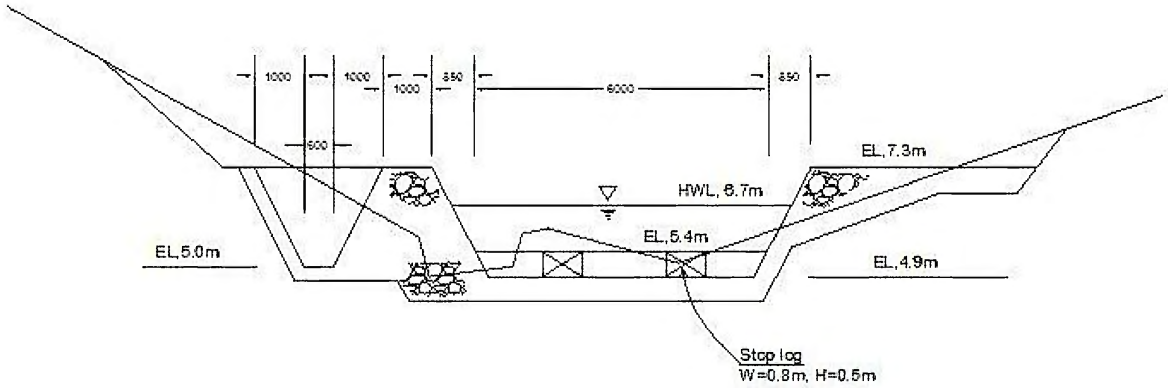
LUWINGU 5-2 MUFILI CHIBWARE



SCALE:1:100

PROGRESS SCHEDULE LWG 5-2 Mufili Chibware

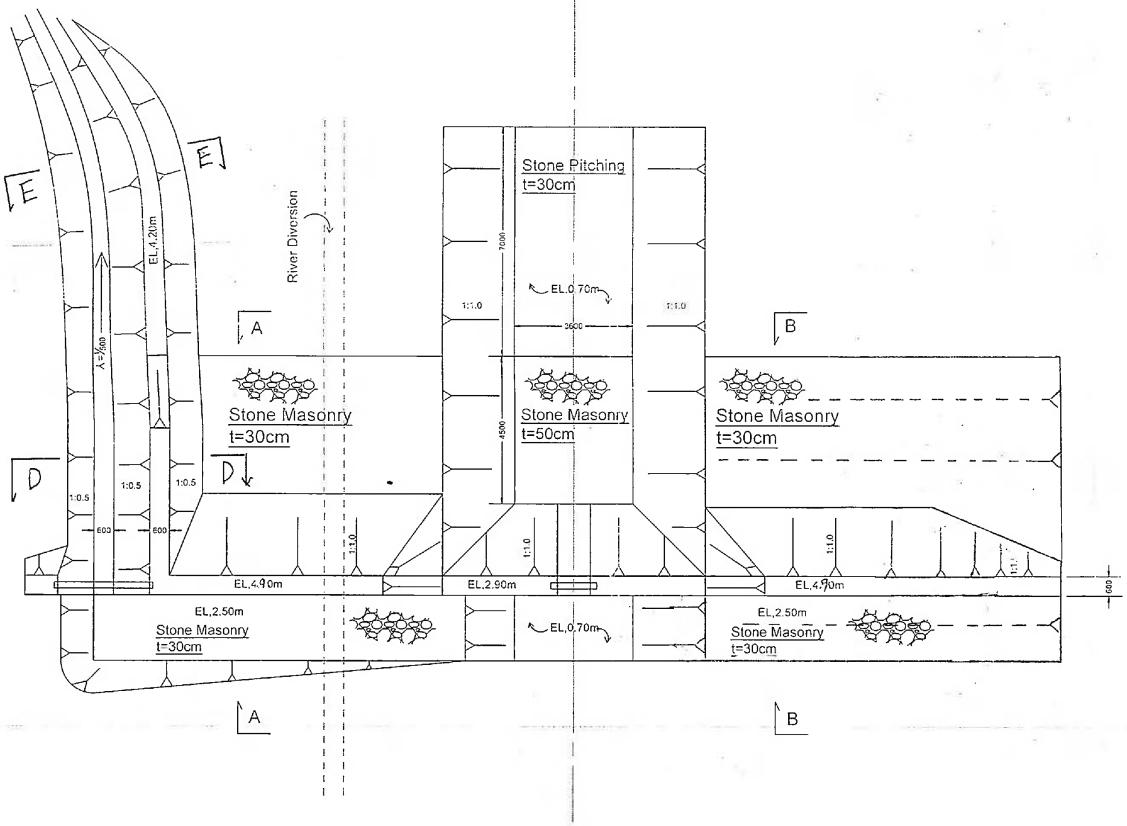
Item No.	Work Description	Quantity		Schedule (2014: July – November)
1	Preparation Work			
1-1	Site clearing	2.5	day	20 unskilled labor
1-2	Gathering stones	3.7	day	30 unskilled labor
1-3	Gathering sand	5.8	day	5 unskilled labor
1-4	Preparation of tools	1.0	day	
2	Temporary Work			
2-1	Preparation of access road	5.0	day	20 unskilled labor
2-2	Preparation of temporary stock yard	1.0	day	20 unskilled labor
2-3	Excavation of river diversion	0.0	day	
2-4	Excavation of left side	6.2	day	10 unskilled labor
2-5	Excavation of right side	1.1	day	10 unskilled labor
2-6	Excavation of apron	2.7	day	10 unskilled labor
2-7	Construction of coffer dam	1.0	day	10 unskilled labor
3	Stone masonry		day	Stone masonry work 6 unskilled labor 1 skilled labor 4 helper x 1 set/day
3-1	Left side abutment	26.3	day	
3-2	Left side intake upstream	1.6	day	
3-3	Weir	1.7	day	
3-4	Apron	12.9	day	
3-5	Right side abutment	4.7	day	
3-6	Rigjht side slope	1.8	day	
3-7	Canal lining	2.0	day	
3-8	Intake	2.1	day	
3-9	Mortan mixing	50.5	day	Mortar mixing 6 unsklilled labor x 1 set/day
4	River bed protection	0.0	day	
5	Embankment/back filling	0.0	day	
5-1	Right side	0.0	day	
5-2	River diversion	0.0	day	
5-3	Left side	0.0	day	
		83.1	day	
6	Weekly Meeting			
	supervision by CEO, TSB			
	Supervision by JICA Expert			

Labor	Daily numbers	Total
Foreman		
Skilled Labor	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	28
Unskilled Labor	40 40 25 25 35 30 20 20 20 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16	703
Total	0 0 0 0 0 0 0 0 0 0 0 0 0 40 40 25 25 35 30 20 20 20 0 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 0 0 0 0 0 0 0 0	731

AP-II-D-11

MUNYELE, NSAMA

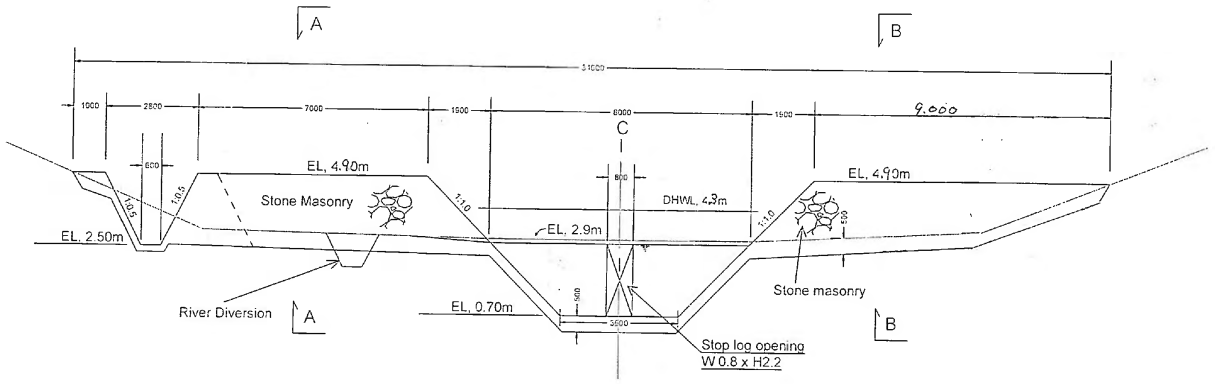
Rev. 8.14



PROJECT	
CLIENT	T-COESI, JICA
DESIGNED	
DRAWN	DAVID MPHUKA TEMBO
SCALE	1:100
DATE	24/06/2015

MUNYELE, NSAMA

Rev. 8, 14



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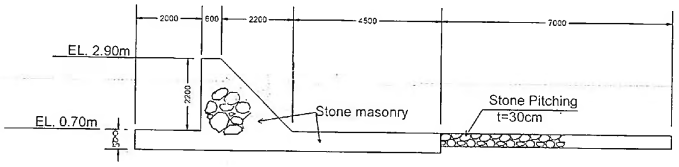
Lb = 7.0



CROSS SECTION C
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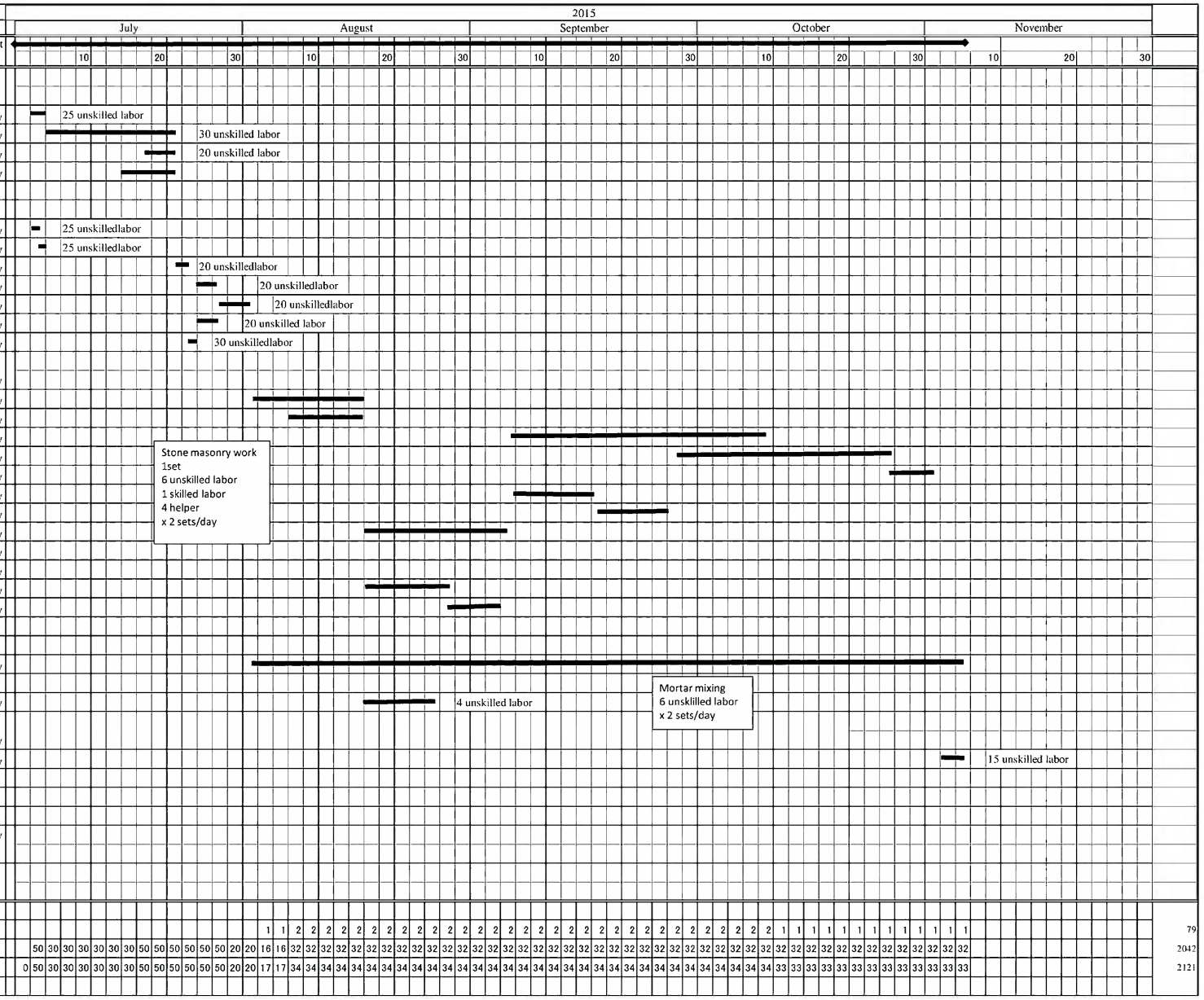
PROJECT	
CLIENT	T-COBSI, JICA
DESIGNED	
DRAWN	DAVID MPHUKA TEMBO
SCALE	1:100
DATE	24/06/2015

AP-II-D-12

PROGRESS SCHEDULE NSM Munyele rev.8.14

Item No.	Work Description	Quantity	unit	Period	unit
1	Preparation Work				
1-1	Site clearing	1.0	LS.	2.0	day
1-2	Gathering stones	193.0	m3	14.5	day
1-3	Gathering sand	73.5	m3	2.8	day
1-4	Transportation of Stones and Sand	63.0	trip	7.0	day
2	Temporary Work, Excavation				
2-1	Preparation of access road	1.0	LS.	1.0	day
2-2	Preparation of temporary stock yard	1.0	LS.	1.0	day
2-3	Excavation of river diversion	31.5	m3	1.8	day
2-4	Excavation of left side	48.2	m3	2.8	day
2-5	Excavation of right side	58.8	m3	3.4	day
2-6	Excavation of apron	45.6	m3	2.7	day
2-7	Construction of coffer dam	1.0	LS.	1.0	day
3	Stone masonry	167.0	m3	133.1	day
3-1	Apron	16.7	m3	15.1	day
3-2	Spillway	13.5	m3	12.1	day
3-3	Left Abutment	37.5	m3	33.7	day
3-4	Left Canal	31.0	m3	27.9	day
3-5	Left Canal Lining	6.6	m3	5.9	day
3-6	Left Upstream Slope Protection	12.1	m3	10.9	day
3-7	Left Downstream Slope Protection	9.8	m3	8.8	day
3-8	Right Abutment	20.7	m3	18.6	day
3-9	Rigjht Canal	0.0	m3	0.0	day
3-10	Right Canal Lining	0.0	m3	0.0	day
3-11	Right Upstream Slope Protection	12.1	m3	10.9	day
3-12	Right Downstream Slope Protection	7.0	m3	6.3	day
3-15	Mortar mixing	91.9	m3	68.9	day
4	Stone Pitching	12.6	m3	9.5	day
5	Embankment/back filling			2.4	day
5-1	Backfilling	31.5	m3	2.4	day
6	Weekly Meeting			271.1	day
	supervision by CEO, TSB				
	Supervision by JICA Expert				
	Foreman				
	Skilled Labor				
	Unskilled Labor				
	Total				



AP-II-D-13

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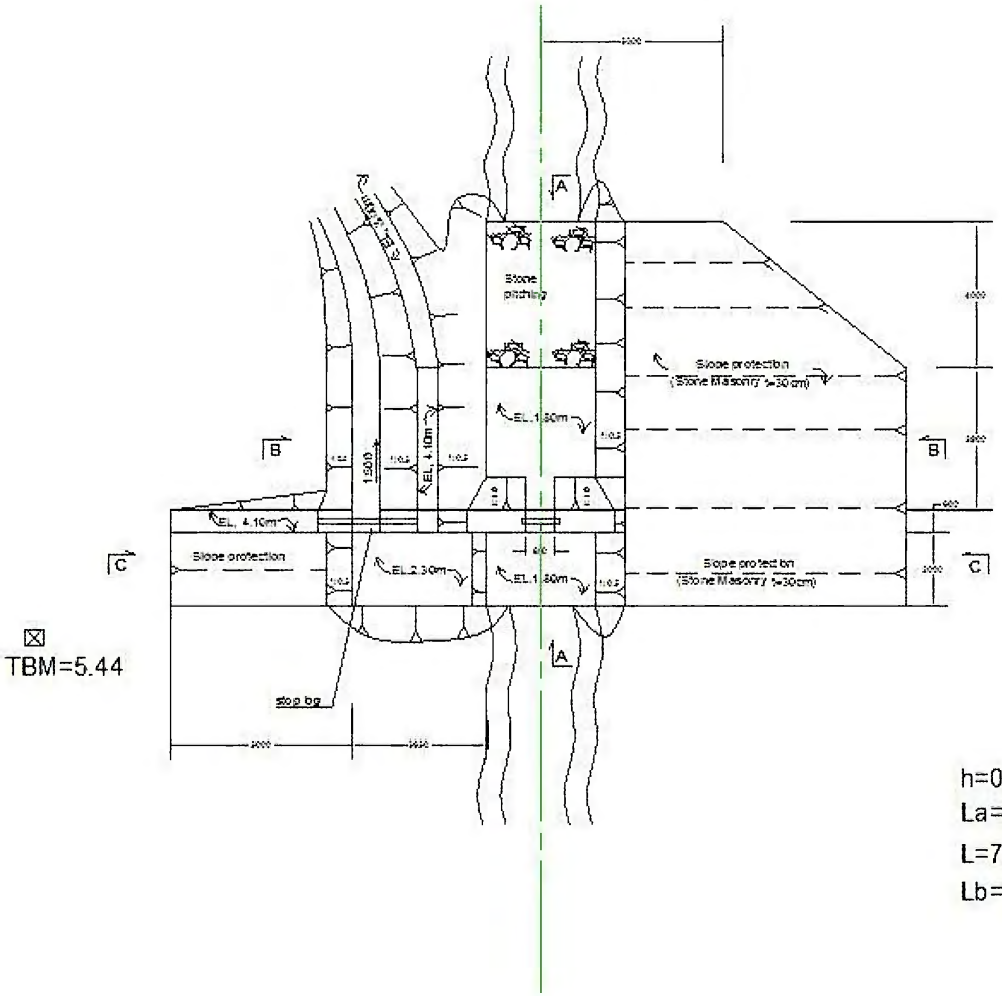

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L=7.0
Lb=4.0

MUSANDA, KASAMA (2)

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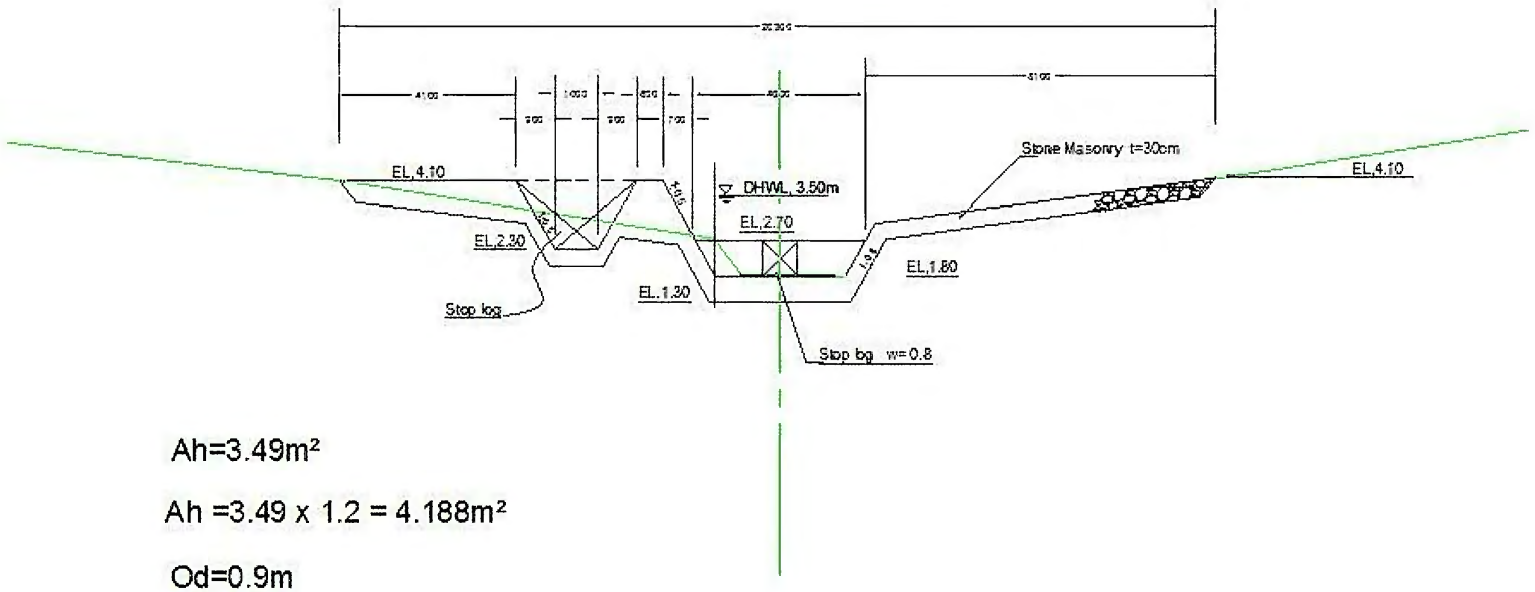


Ah=3.49m²

Ah =3.49 x 1.2 = 4.188m²

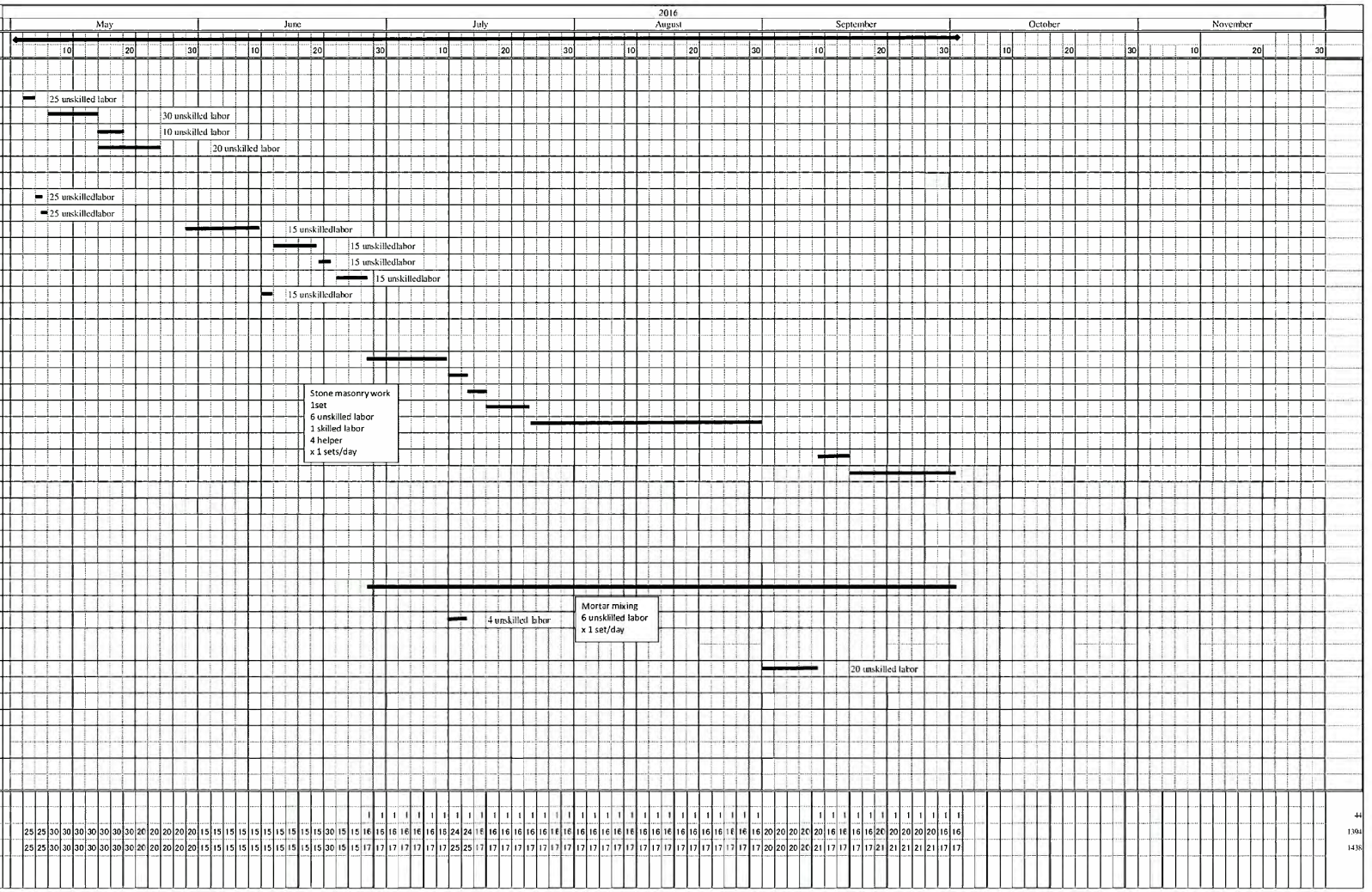
Od=0.9m

stop log 0.72m²

AHD =3.50 + 0.72 = 4.22m²

PROGRESS SCHEDULE KSM Musanda (2)

Item No.	Work Description	Quantity	unit	period	unit
1	Preparation Work				
1-1	Site clearing	1.0	LS.	2.0	day
1-2	Gathering stones	105.9	m3	7.9	day
1-3	Gathering sand	45.7	m3	3.4	day
1-4	Transportation of Stones and Sand	37.9	trip	9.5	day
2	Temporary Work, Excavation				
2-1	Preparation of access road	1.0	LS.	1.0	day
2-2	Preparation of temporary stock yard	1.0	LS.	1.0	day
2-3	Excavation of river diversion	148.4	m3	11.6	day
2-4	Excavation of left side	92.4	m3	7.2	day
2-5	Excavation of right side	19.6	m3	1.5	day
2-6	Excavation of apron	13.8	m3	4.1	day
2-7	Construction of coffer dam	1.0	LS.	2.0	day
3	Stone masonry	92.3	m3	83.1	day
3-1	Apron	13.8	m3	12.4	day
3-2	Spillway	3.4	m3	3.0	day
3-3	Left Abutment	3.5	m3	3.1	day
3-4	Left Slope Protection	7.0	m3	6.3	day
3-5	Left canal	40.4	m3	36.3	day
3-6	Right Abutment	0.0	m3	0.0	day
3-7	Right Upstream Slope Protection	5.5	m3	5.0	day
3-8	Right Downstream Slope Protection	18.8	m3	17.0	day
3-15	Mortar mixing	50.8	m3	76.2	day
4	Stone Pitching	6.2	m3	4.7	day
5	Embankment/back filling			8.5	day
5-1	river diversion	148.4	m3	8.5	day
6	Weekly Meeting			223.6	day
	Foreman				
	Skilled Labor				
	Unskilled Labor				
	Total				

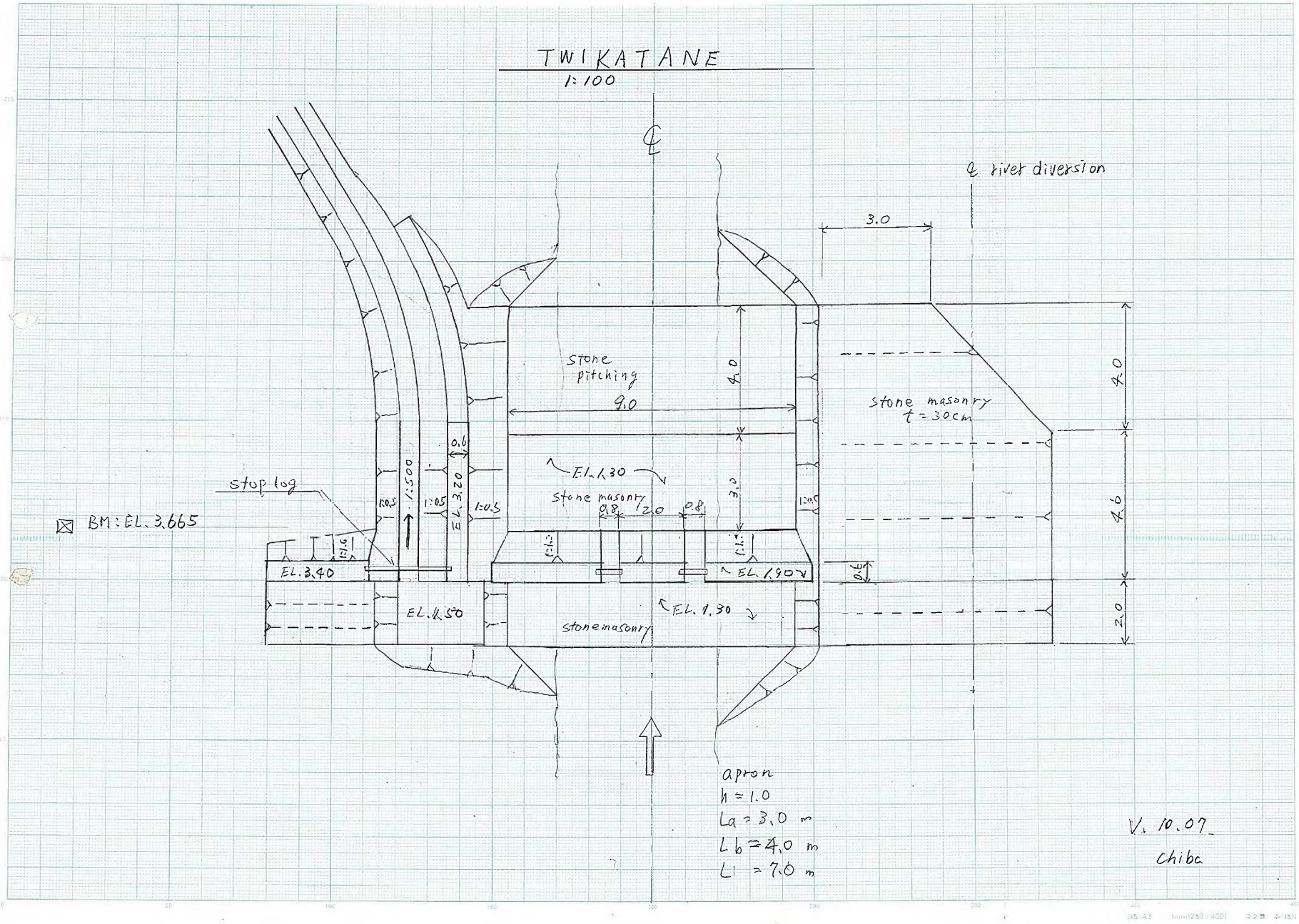


AP-II-D-16

AP-II-D-17

TWI KATANE

1:100



apron

h = 1.0

La = 3.0 m

Lb = 4.0 m

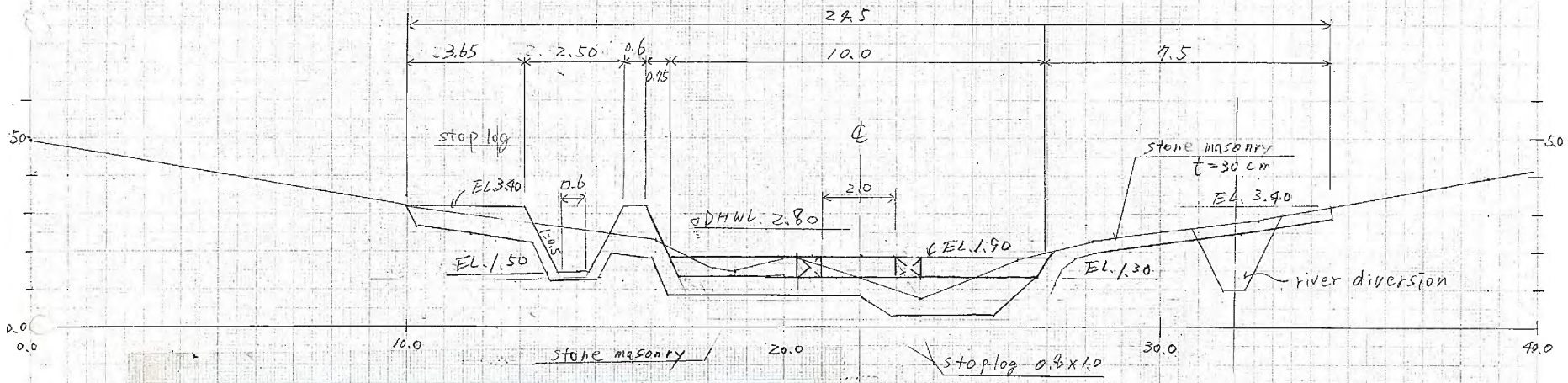
L = 7.0 m

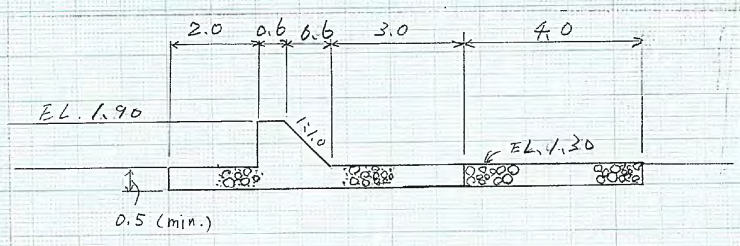
V. 10.07

Chiba

TWIKATANE

1:100





Cross Section ℄

1:100

BM : EL = 6.00

HWL = EL. 2.30

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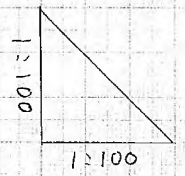
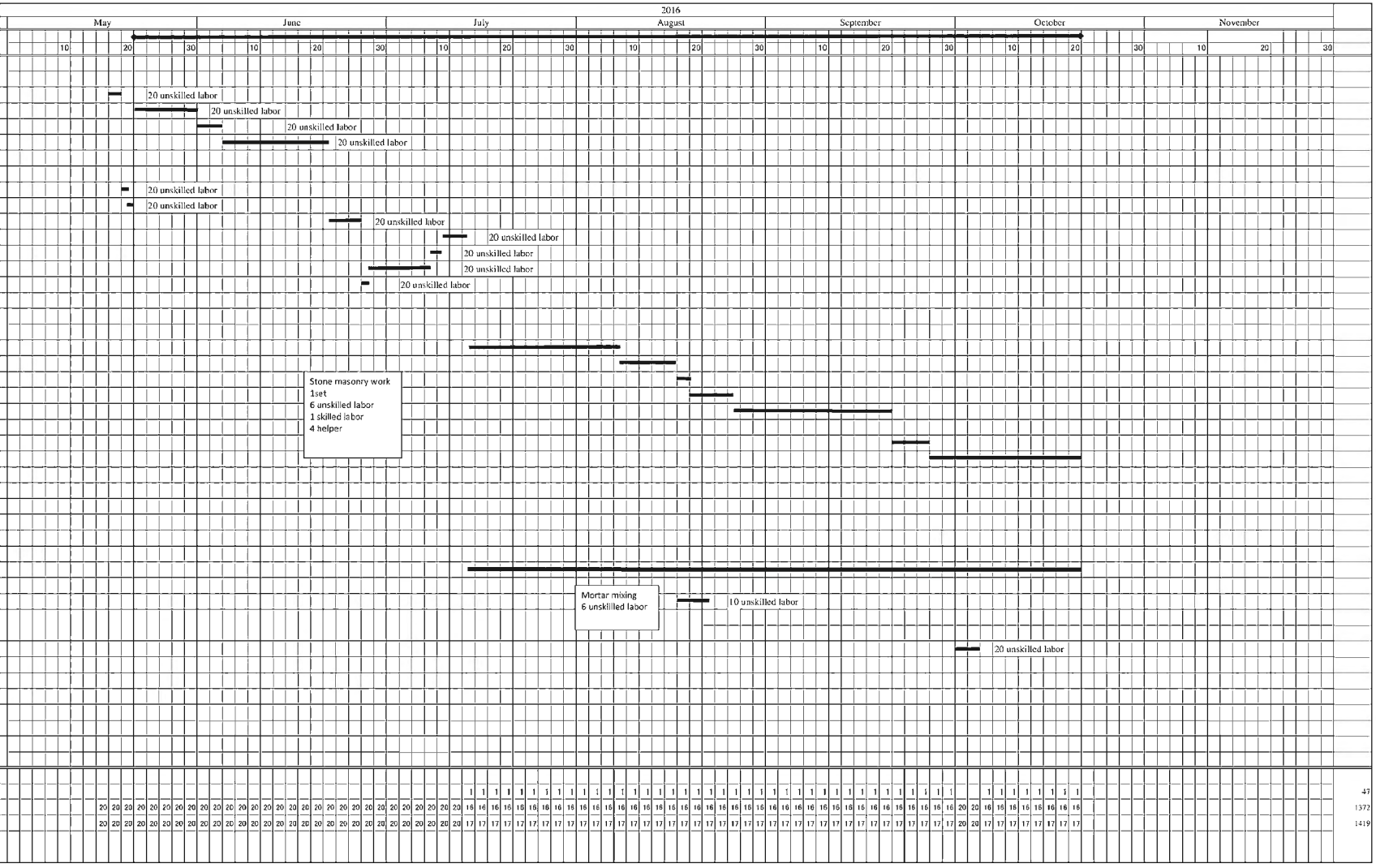


V. 20.07 Chiba

PROGRESS SCHEDULE MGW Twikatane

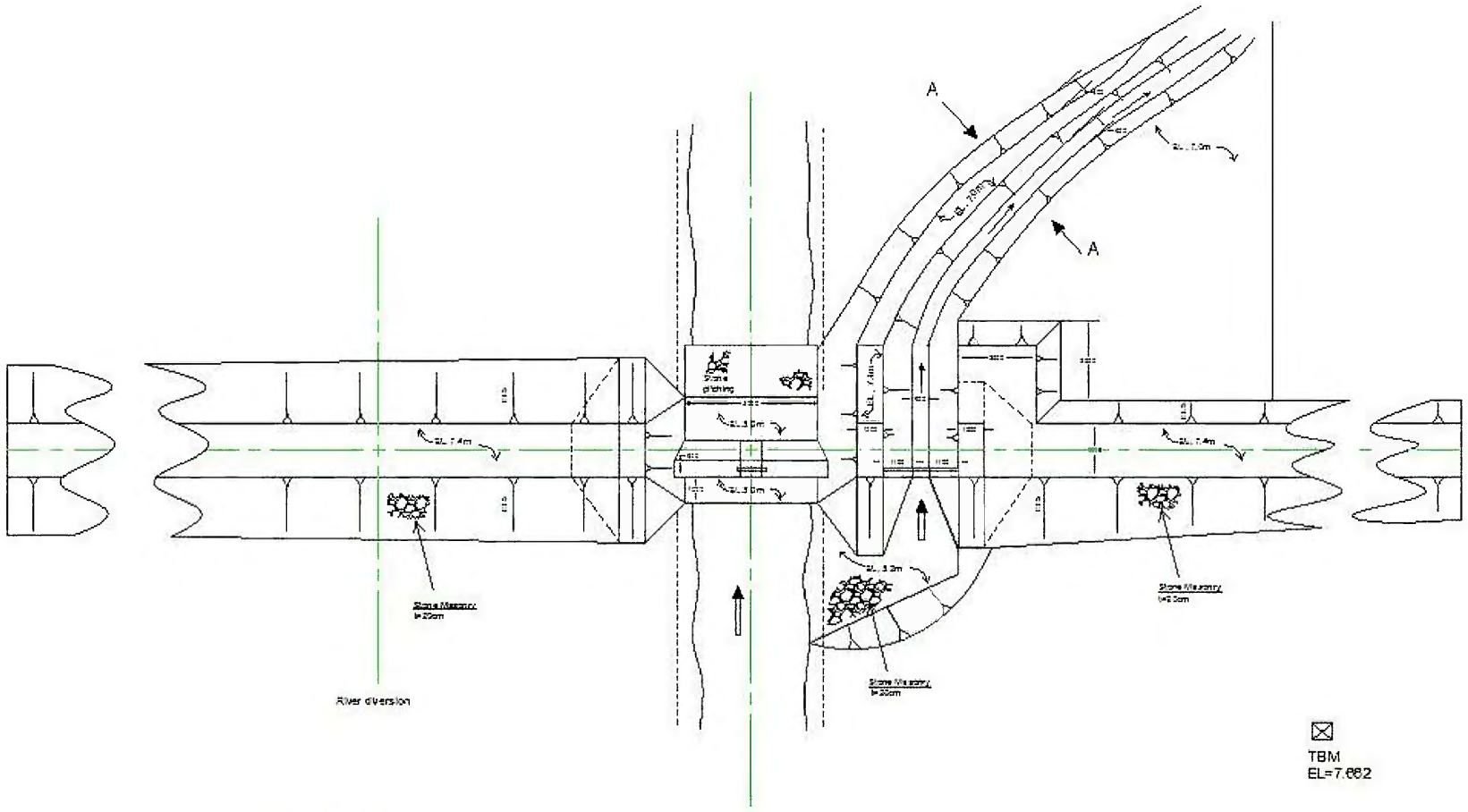
Item No.	Work Description	Quantity	unit	period	unit
1	Preparation Work				
1-1	Site clearing	1.0	LS.	2.5	day
1-2	Gathering stones	123.9	m3	9.3	day
1-3	Gathering sand	49.5	m3	3.7	day
1-4	Transportation of Stones and Sand	43.3	trip	16.3	day
2	Temporary Work. Excavation				
2-1	Preparation of access road	1.0	LS.	1.0	day
2-2	Preparation of temporary stock yard	1.0	LS.	1.0	day
2-3	Excavation of river diversion	74.0	m3	4.3	day
2-4	Excavation of left side	61.0	m3	3.6	day
2-5	Excavation of right side	27.8	m3	1.6	day
2-6	Excavation of apron	26.9	m3	9.0	day
2-7	Construction of coffer dam	1.0	LS.	1.0	day
3	Stone masonry	99.9	m3	89.9	day
3-1	Apron	26.9	m3	24.2	day
3-2	Spillway	8.1	m3	7.3	day
3-3	Left Abutment	2.2	m3	2.0	day
3-4	Left Slope Protection	7.7	m3	7.0	day
3-5	Left canal	27.1	m3	24.4	day
3-6	Right Abutment	0.0	m3	0.0	day
3-7	Right Upstream Slope Protection	6.2	m3	5.6	day
3-8	Right Downstream Slope Protection	21.6	m3	19.4	day
3-15	Mortar mixing	54.9	m3	82.4	day
4	Stone Pitching	16.0	m3	4.8	day
5	Embankment/back filling			4.2	day
5-1	river diversion	74.0	m3	4.2	day
6	Weekly Meeting			234.6	day
	Foreman				
	Skilled Labor				
	Unskilled Labor				
	Total				



AP-III-D-19

AP-II-D-20

NAKONDE 1-3 MUSANZA



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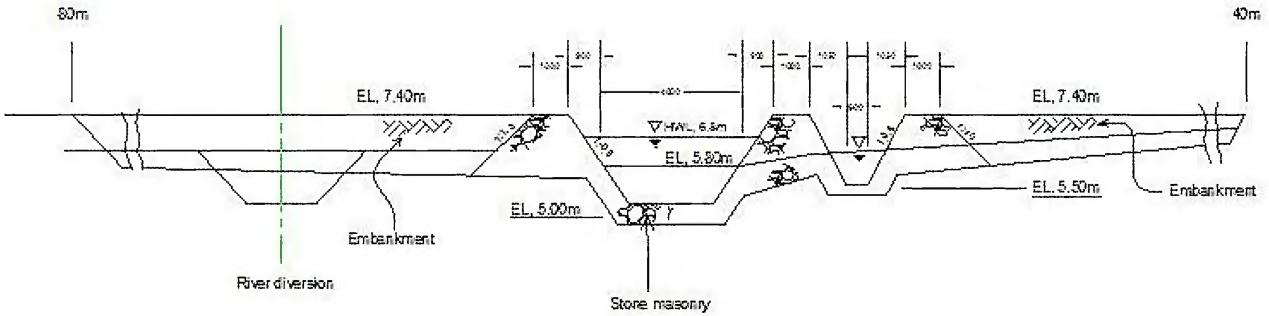
NAKONDE 1-3 MUSANZA



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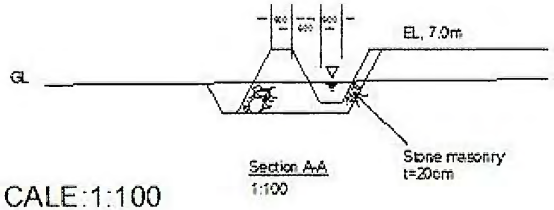

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AP-II-D-21

PROGRESS SCHEDULE NKD 1-3 Musanza

2014: July, August, September, October, November, December

Item No.	Work Description	Quantity		Remarks
1	Preparation Work			
1-1	Site clearing	2.5	day	20 unskilledlabor
1-2	Gathering stones	17.1	day	20 unskilledlabor
1-3	Gathering sand	5.8	day	10 unskilledlabor
1-4	Preparation of tools	1.0	day	
2	Temporary Work, Excavation			
2-1	Preparation of access road	3.0	day	20 unskilledlabor
2-2	Preparation of temporary stock yard	1.0	day	20 unskilledlabor
2-3	Excavation of river diversion	6.9	day	20 unskilledlabor
2-4	Excavation of left side	8.6	day	30 unskilledlabor
2-5	Excavation of right side	6.6	day	30 unskilledlabor
2-6	Excavation of apron	0.6	day	20 unskilledlabor
2-7	Construction of coffer dam	2.0	day	20 unskilledlabor
3	Stone masonry	76.4	day	
3-1	Left side abutment	14.0	day	
3-2	Left side bank upstream slope	22.5	day	
3-3	Weir	2.0	day	
3-4	Apron	6.1	day	
3-5	Right side abutment (left)	20.5	day	
3-6	Right side abutment (right)	11.3	day	
3-7	Right side canal	31.9	day	
3-8	Rigjht side bank upstream slope	11.9	day	
3-9	Intake	2.5	day	
3-10	Mortar mixing	57.2	day	
4	River bed protection	1.8	day	4 unskilled labor
5	Embankment/back filling	34.1	day	
5-1	Left side bank	16.8	day	20 unskilled labor
5-2	Left side backfilling	6.7	day	20 unskilled labor
5-3	Right side bank	8.5	day	20 unskilled labor
5-4	Right side backfilling	2.1	day	20 unskilled labor
		187.4	day	
6	Weekly Meeting			
	supervision by CEO, TSB			
	Supervision by JICA Expert			

Stone masonry work
1 sset
6 unskilled labor
1 skilled labor
4 helper
x 2 sets/day

Mortar mixing
6 unsklilled labor
x 2 sets/day

Foreman																																																																							
Skilled Labor																											2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		70
Unskilled Labor													40	40	40	50	50	50	50	50	50	50	50	50	50	30	32	32	32	36	36	32	32	42	42	42	42	42	42	42	42	40	40	40	40	40	40	40	40	40	36	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32		2190
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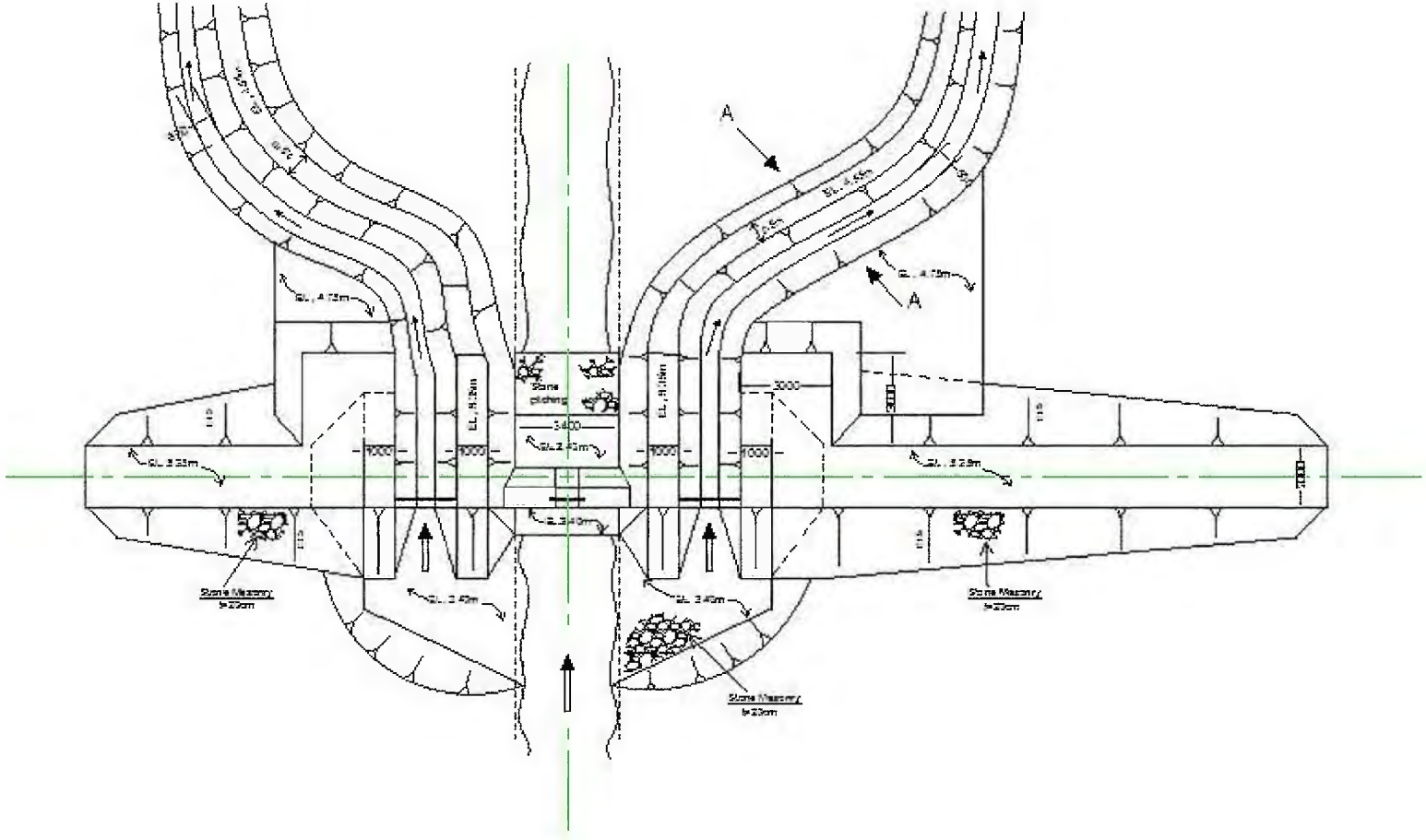
MPIKA 1-7 LUBANGA



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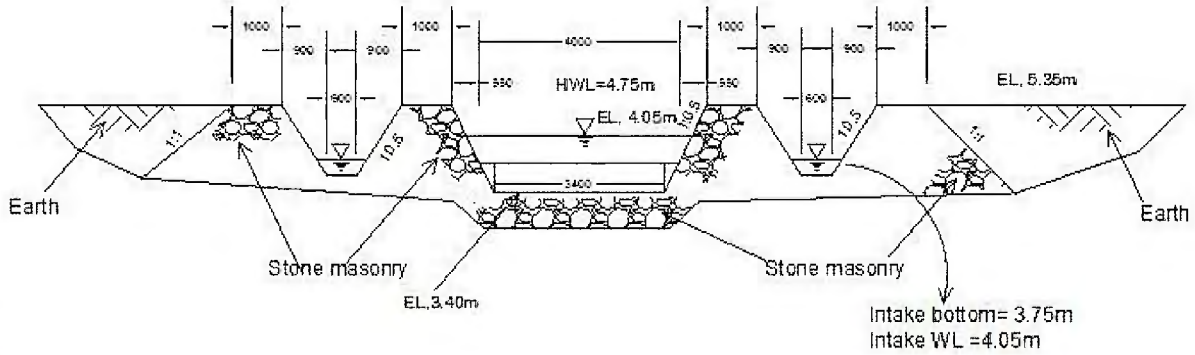
MPIKA 1-7 LUBANGA



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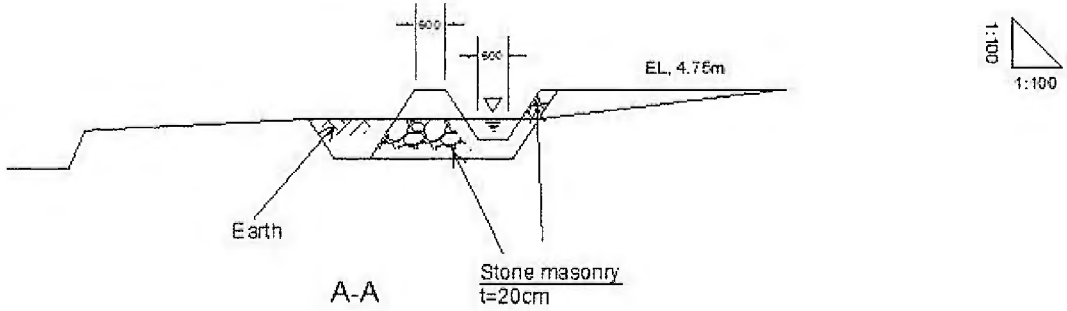

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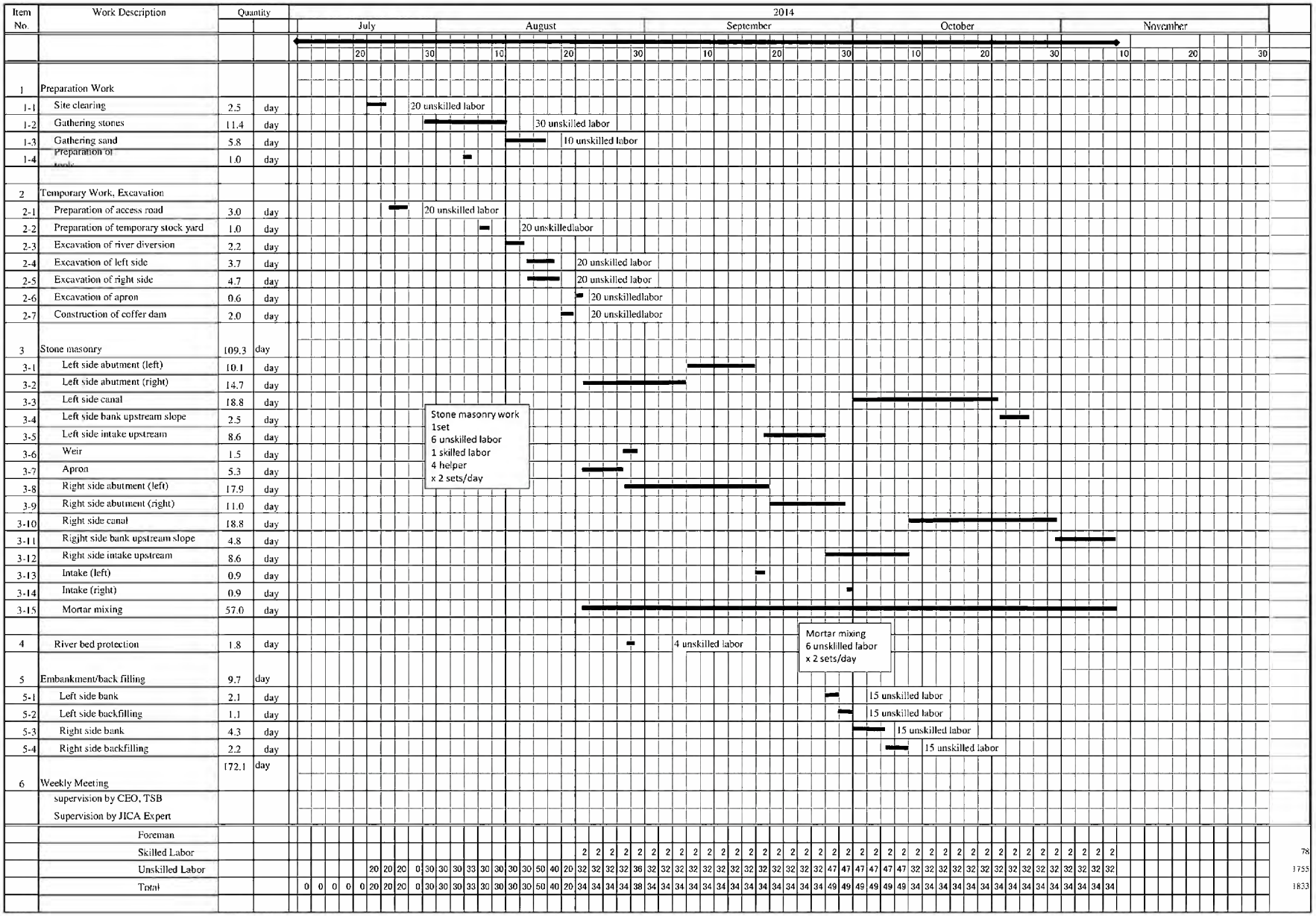
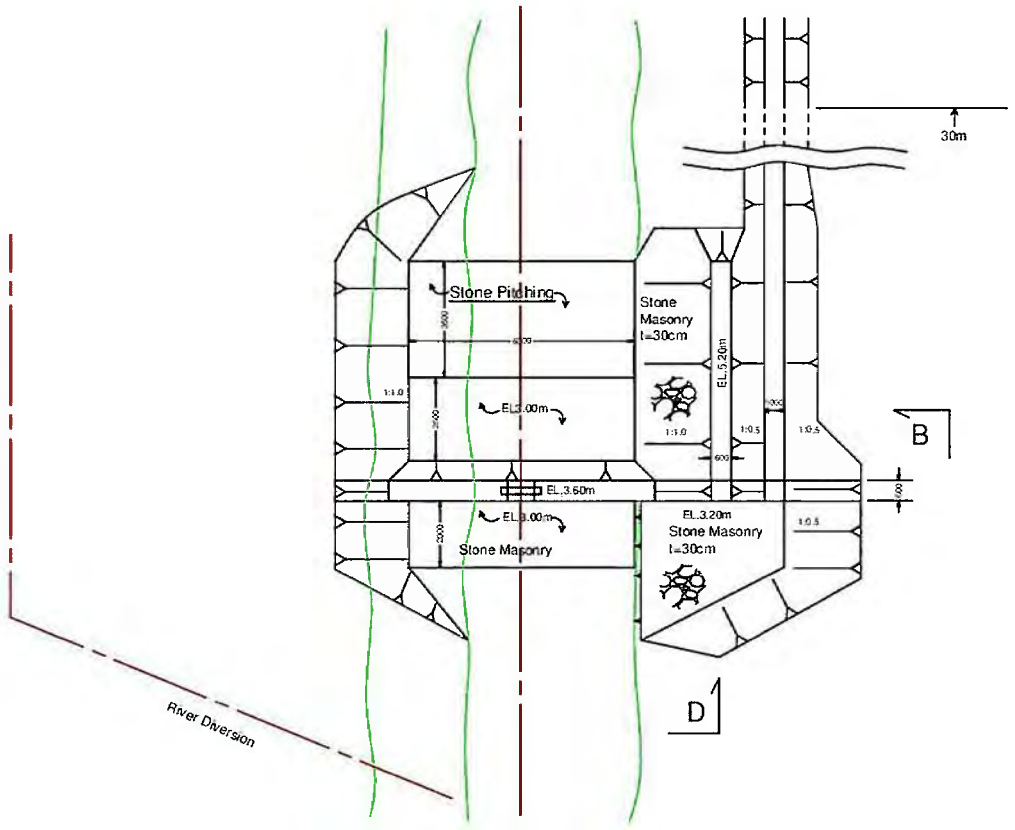
PROGRESS SCHEDULE MPK 1-17 Lubanga



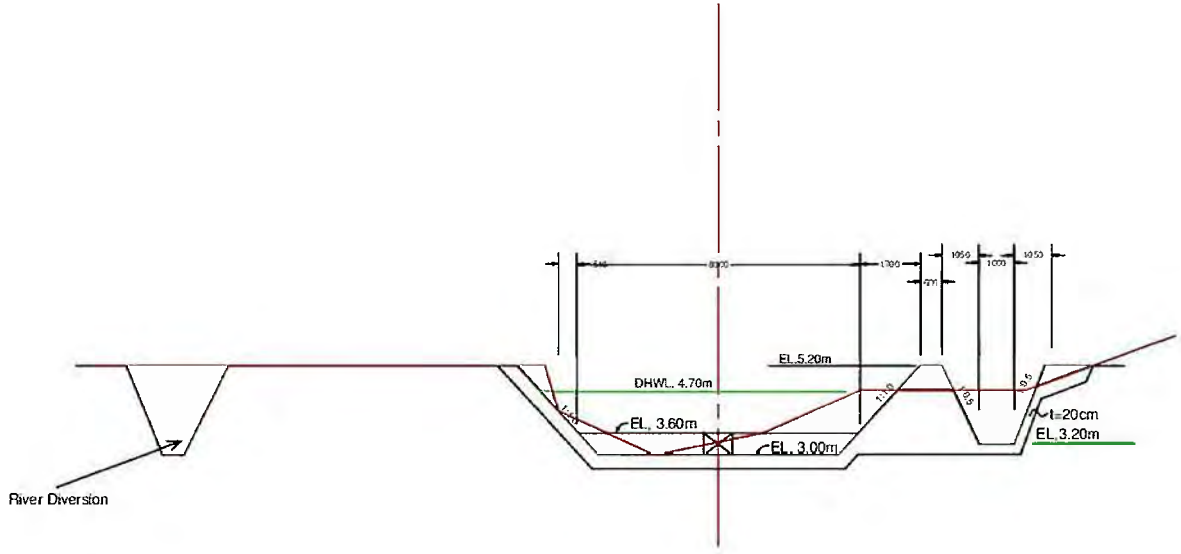
Item No.	Work Description	Quantity		
1	Preparation Work			
1-1	Site clearing	2.5	day	
1-2	Gathering stones	11.4	day	
1-3	Gathering sand	5.8	day	
1-4	Preparation of tools	1.0	day	
2	Temporary Work, Excavation			
2-1	Preparation of access road	3.0	day	
2-2	Preparation of temporary stock yard	1.0	day	
2-3	Excavation of river diversion	2.2	day	
2-4	Excavation of left side	3.7	day	
2-5	Excavation of right side	4.7	day	
2-6	Excavation of apron	0.6	day	
2-7	Construction of coffer dam	2.0	day	
3	Stone masonry	109.3	day	
3-1	Left side abutment (left)	10.1	day	
3-2	Left side abutment (right)	14.7	day	
3-3	Left side canal	18.8	day	
3-4	Left side bank upstream slope	2.5	day	
3-5	Left side intake upstream	8.6	day	
3-6	Weir	1.5	day	
3-7	Apron	5.3	day	
3-8	Right side abutment (left)	17.9	day	
3-9	Right side abutment (right)	11.0	day	
3-10	Right side canal	18.8	day	
3-11	Right side bank upstream slope	4.8	day	
3-12	Right side intake upstream	8.6	day	
3-13	Intake (left)	0.9	day	
3-14	Intake (right)	0.9	day	
3-15	Mortar mixing	57.0	day	
4	River bed protection	1.8	day	
5	Embankment/back filling	9.7	day	
5-1	Left side bank	2.1	day	
5-2	Left side backfilling	1.1	day	
5-3	Right side bank	4.3	day	
5-4	Right side backfilling	2.2	day	
6	Weekly Meeting	172.1	day	
	supervision by CEO, TSB			
	Supervision by JICA Expert			
	Foreman			
	Skilled Labor			
	Unskilled Labor			
	Total			

LUALIZI, ISOKA



PROJECT	
CLIENT	T-COBSI. JICA
DESIGNED	
DRAWN	DAVID MPHUKA TEMBO
SCALE	1:100
DATE	24/06/2015

LUALIZI, ISOKA



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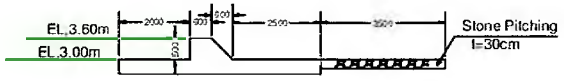


CROSS SECTION OF APRON
1:100

1:100
1:100

PROJECT	
CLIENT	T-COBSI. JICA
DESIGNED	
DRAWN	DAVID MPHUKA TEMBO
SCALE	1:100
DATE	24/06/2015

PROGRESS SCHEDULE   ISK Lualizi

2015: July – August – September – October – November

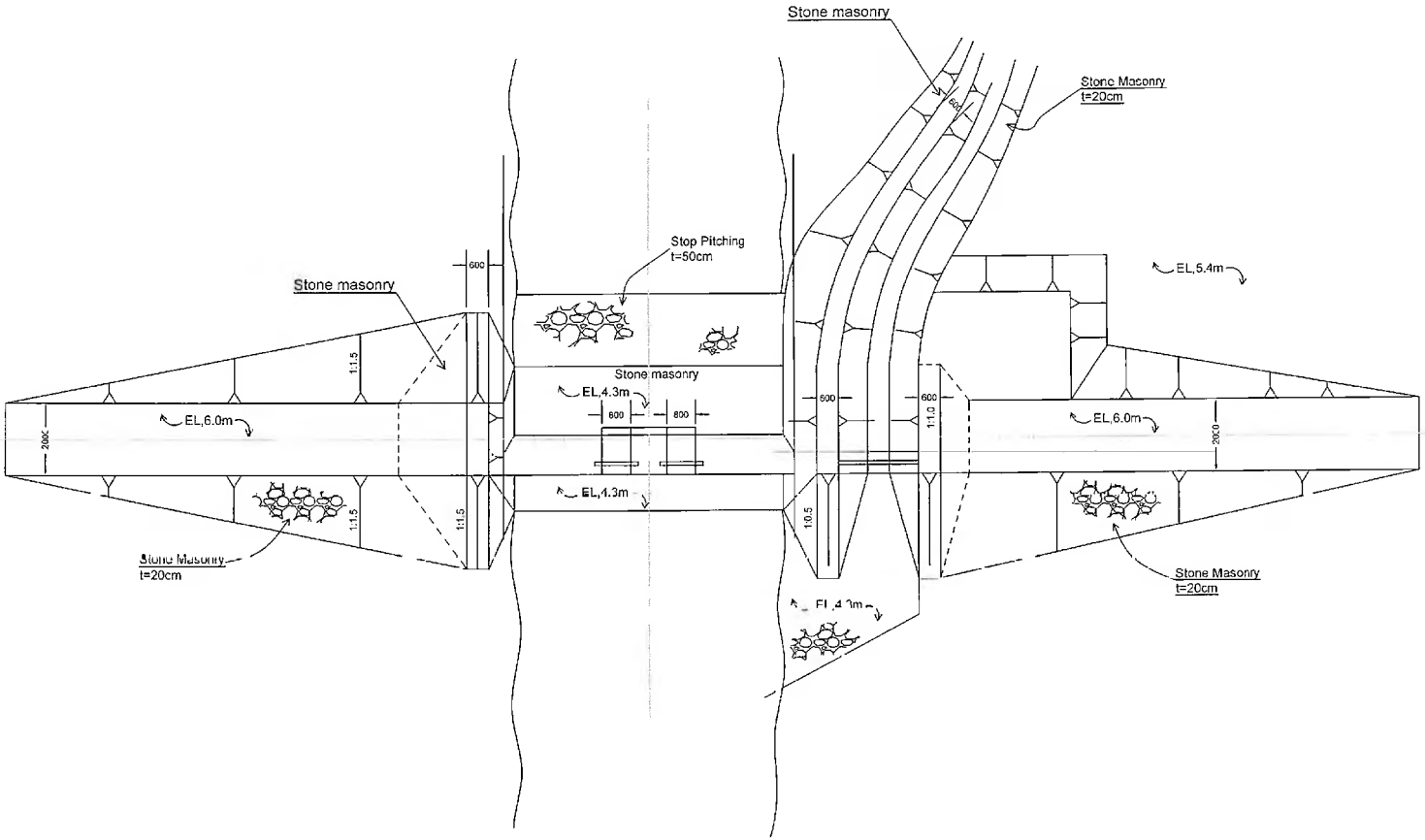
Item No.	Work Description	Quantity	unit	period	unit	Schedule note
1	Preparation Work					
1-1	Site clearing	1.0	LS.	2.0	day	25 unskilled labor
1-2	Gathering stones	94.2	m3	7.1	day	30 unskilled labor
1-3	Gathering sand	35.5	m3	1.3	day	20 unskilled labor
1-4	Transportation of Stones and Sand	30.0	trip	7.0	day	20 unskilled labor
2	Temporary Work, Excavation					
2-1	Preparation of access road	1.0	LS.	1.0	day	25 unskilledlabor
2-2	Preparation of temporary stock yard	1.0	LS.	1.0	day	25 unskilledlabor
2-3	Excavation of river diversion	226.2	m3	17.6	day	15 unskilledlabor
2-4	Excavation of left side	47.7	m3	3.7	day	15 unskilled labor
2-5	Excavation of right side	214.3	m3	16.7	day	15 unskilledlabor
2-6	Excavation of apron	30.2	m3	2.4	day	20 unskilledlabor
2-7	Construction of coffer dam	1.0	LS.	1.0	day	30 unskilledlabor
3	Stone masonry	80.6	m3	72.6	day	
3-1	Apron	21.9	m3	19.8	day	
3-2	Spillway	4.6	m3	4.2	day	
3-3	Left Abutment	0.0	m3	0.0	day	
3-4	Left Slope Protection	12.7	m3	11.4	day	
3-5	0	0.0	m3	0.0	day	
3-6	Right Abutment	8.6	m3	7.8	day	
3-7	Right Canal lining	22.6	m3	20.4	day	
3-8	Right Upstream Slope Protection	10.1	m3	9.1	day	
3-15	Mortar mixing	44.3	m3	66.5	day	
4	Stone Pitching	7.1	m3	5.4	day	4 unskilled labor
5	Embankment/back filling			12.9	day	
5-1	river diversion	226.2	m3	12.9	day	20 unskilled labor
6	Weekly Meeting			218.2	day	
	supervision by CEO, TSB					
	Supervision by JICA Expert					

Stone masonry work
1set
6 unskilled labor
1 skilled labor
4 helper

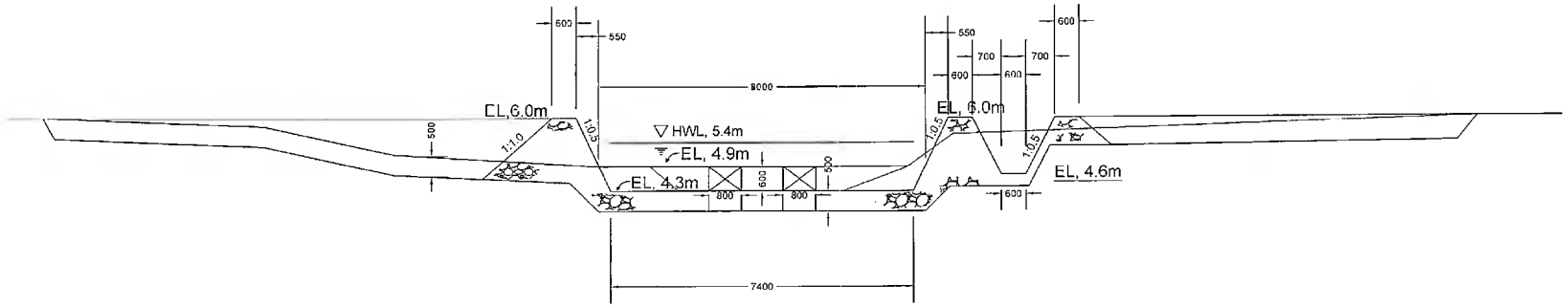
Mortar mixing
6 unsklilled labor
x 1 set/day

	Daily values	Total
Foreman		
Skilled Labor	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	42
Unskilled Labor	25 25 30 30 30 30 50 20 20 30 30 30 30 30 30 30 30 30- 30 15 20 30 16 16 16 16 16 16 16 16 16 16 16 20 20 20 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 20 20 20 20 20 20 20	1387
Total	0 25 25 30 30 30 30 50 20 20 30 30 30 30 30 30 30 30 0 30 15 20 30 17 17 17 17 17 17 17 17 17 17 17 21 21 21 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 21 21 20 20 20 20 20	1429

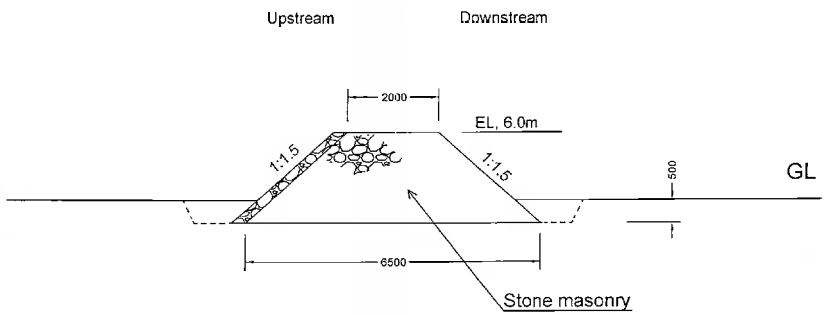
MWENSE 6-1 BUYANTANSHI



MWENSE 6-1 BUYANTANSHI



MWENSE 6-1 BUYANTANSHI



Section A
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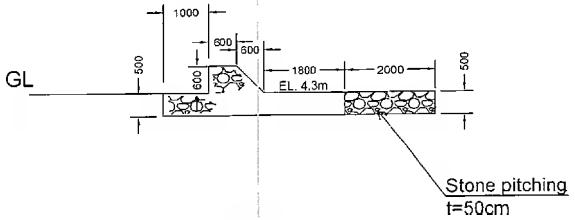

Section B
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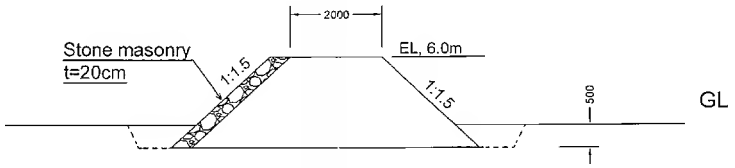
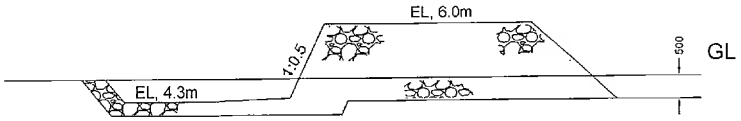


Section C



Section D

AP-II-D-31

PROGRESS SCHEDULE MWS 6-1 BUYANTANSHI

2014: July, August, September, October, November

Item No.	Work Description	Quantity		Notes
1	Preparation Work			
1-1	Site clearing	2.5	day	20 unskilled labor
1-2	Gathering stones	6.1	day	40 unskilled labor
1-3	Gathering sand	5.8	day	10 unskilled labor
1-4	Preparation of tools	1.0	day	3 unskilled labor
2	Temporary Work			
2-1	Preparation of access road	5.0	day	20 unskilled labor
2-2	Preparation of temporary stock yard	1.0	day	20 unskilled labor
2-3	Excavation of river diversion	5.7	day	20 unskilled labor
2-4	Excavation of left side	4.7	day	20 unskilled labor
2-5	Excavation of right side	5.2	day	20 unskilled labor
2-6	Excavation of apron	0.8	day	20 unskilled labor
2-7	Construction of coffer dam	2.0	day	20 unskilled labor
3	Stone masonry		day	
3-1	Left side abutment	13.2	day	
3-2	Left side bank upstream slope	5.1	day	
3-3	Weir	2.1	day	
3-4	Apron	9.9	day	
3-5	Right side abutment (left)	37.9	day	
3-6	Right side abutment (right)	3.1	day	
3-7	Right side bank upstream slope	5.6	day	
3-8	Right side inatake upstream	1.8	day	
3-9	Canal lining	7.5	day	
3-10	Intake	1.2	day	
3-11	Mortan mixing	40.1	day	
4	River bed protection	1.8	day	
5	Embankment/back filling	15.3	day	
5-1	Right side	6.3	day	20 unskilled labor
5-2	River diversion	3.2	day	15 unskilled labor
5-3	Left side	5.7	day	15 unskilled labor
6	Weekly Meeting	144.4	day	
	supervision by CEO, TSB			
	Supervision by JICA Expert			

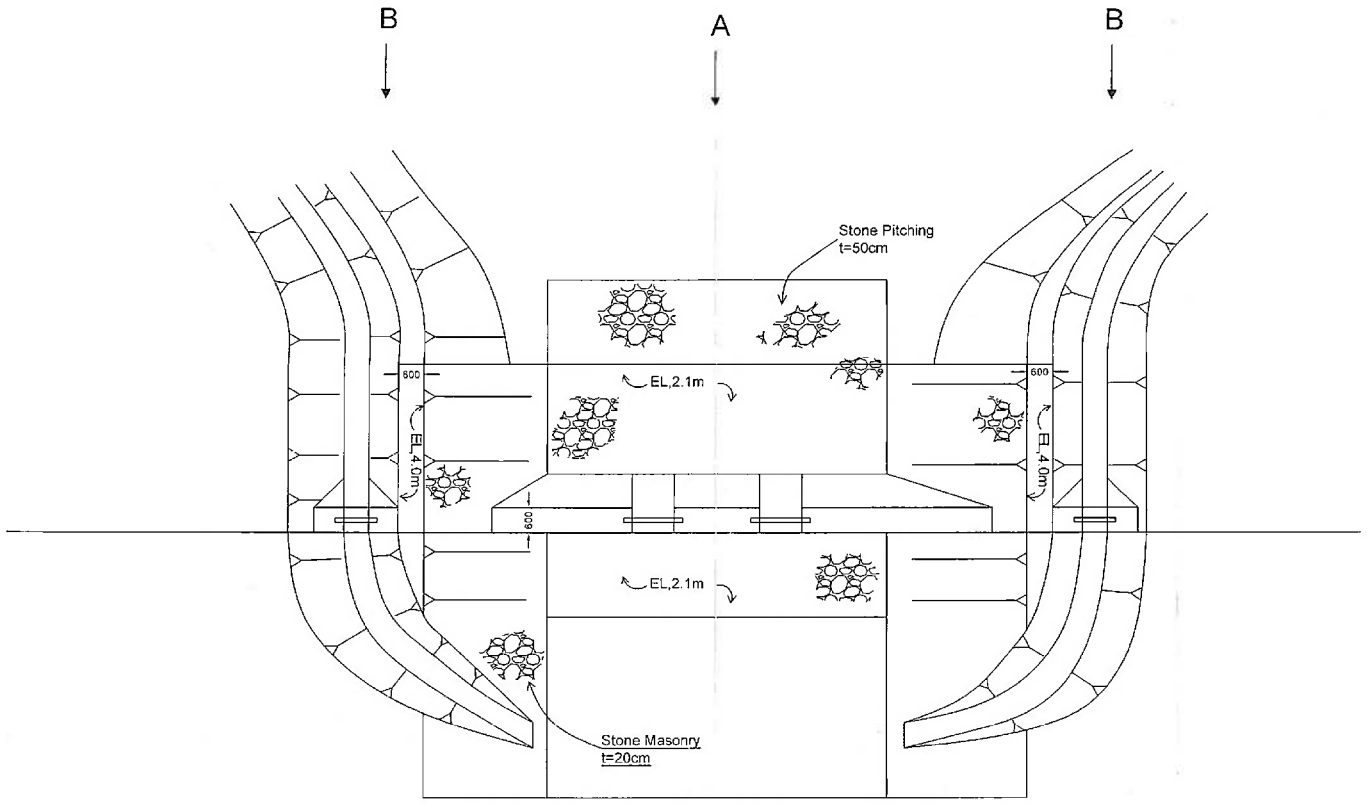
Stone masonry work
1 set
6 unskilled labor
1 skilled labor
4 helper
x 2 sets/day

Mortar mixing
6 unsklilled labor
x 2 sets/day

Foreman																																																												
Skilled Labor													0	0	0									2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0	0	2	2	2	2	2						58
Unskilled Labor													40	50	50	43	40	40	40	40	40	20	40	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	50	50	35	35	32	32	32						1477
Total	0	0	0	0	0	0	0	0	0	0	0	0	40	50	50	43	40	40	40	40	40	20	40	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	50	50	37	37	34	34	34	0	0	0	0	0	1535

AP-II-D-22

NCHELENGE 6-1 MUNSA



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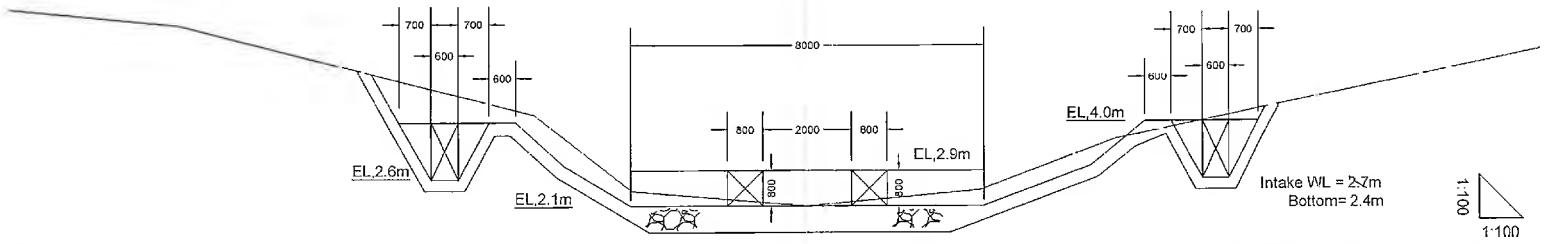
NCHELENGE 6-1 MUNSA



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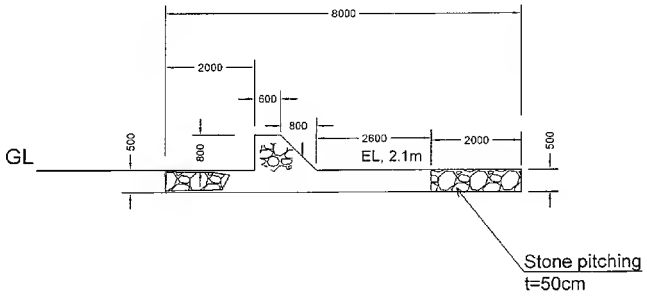

Section A
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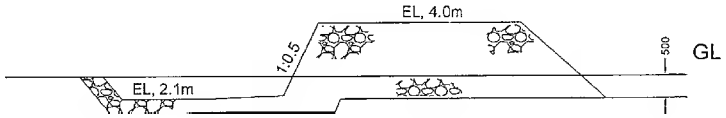


Section B

PROGRESS SCHEDULE NCL 6-1 Munsa

2014: July – August – September – October – November

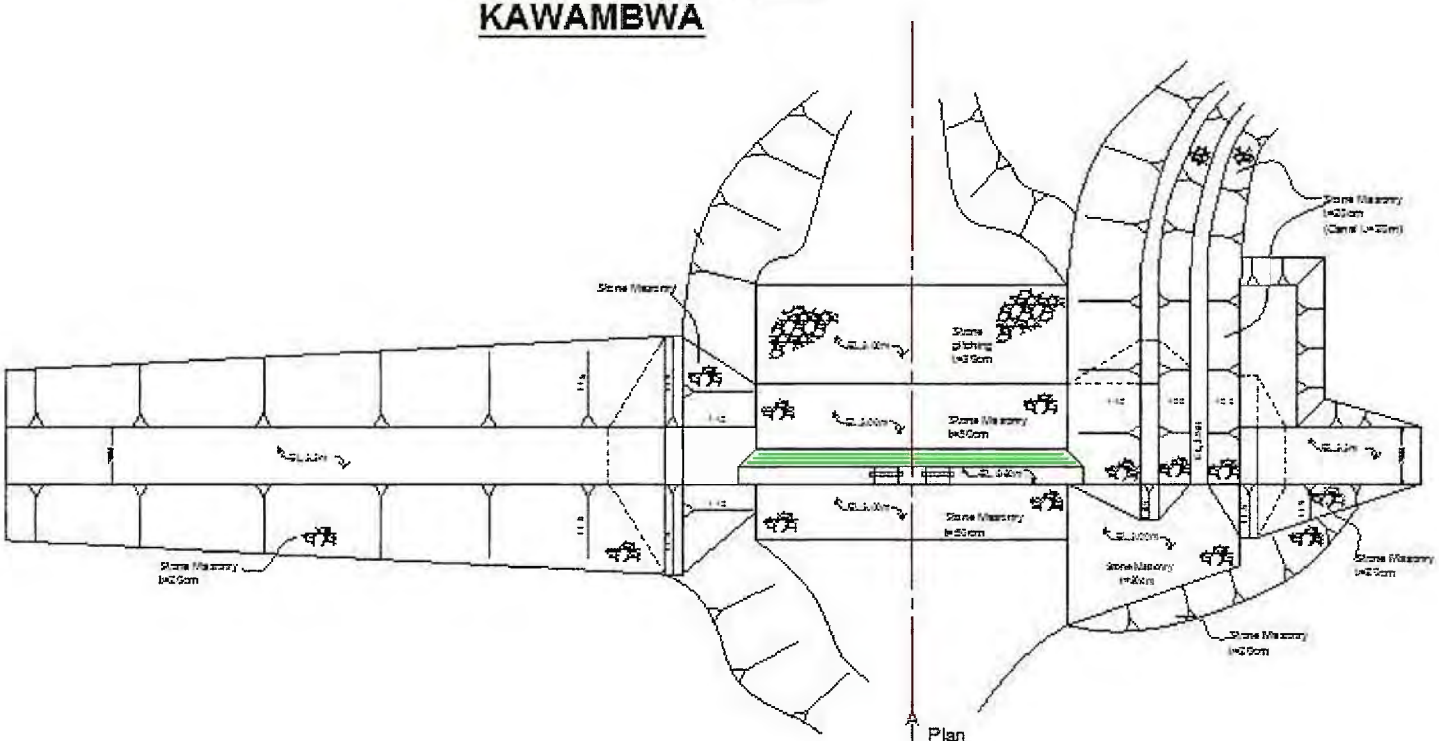
Item No.	Work Description	Quantity		Remarks
1	Preparation Work			
1-1	Site clearing	2.5	day	20 unskilled labor
1-2	Gathering stones	4.4	day	50 unskilled labor
1-3	Gathering sand	2.9	day	10 unskilled labor
1-4	Prteparation of tools	1.0	day	3 unskilled labor
2	Temporary Work			
2-1	Preparation of access road	3.0	day	10 unskilled labor
2-2	Preparation of temporary stock yard	1.0	day	10 unskilled labor
2-3	Excavation of river bed	2.0	day	20 unskilled labor
2-4	Excavation of left side	6.0	day	20 unskilled labor
2-5	Excavation of right side	5.9	day	20 unskilled labor
2-6	Construction of coffer dam	2.0	day	20 unskilled labor
3	Stone masonry			
3-1	Left side canal	14.6	day	
3-2	Left side slope	5.9	day	
3-3	Weir	5.5	day	
3-4	Right side slope	6.9	day	
3-5	Right side canal	13.0	day	
3-6	Apron	30.9	day	
3-7	Intake	1.8	day	
3-8	0	0.0	day	
3-9	0	0.0	day	
3-10	Mortan mixing	36.0	day	
4	Embankment/back filling			
4-1	Right side	0.0	day	
4-2	River diversion	0.0	day	
5	Stone Pitching	4.0	day	
6	Weekly Meeting	113.3	day	
	supervision by CEO, TSB			
	Supervision by JICA Expert			

Stone masonry work
1 set
6 unskilled labor
1 skilled labor
4 helper
x 2 sets/day

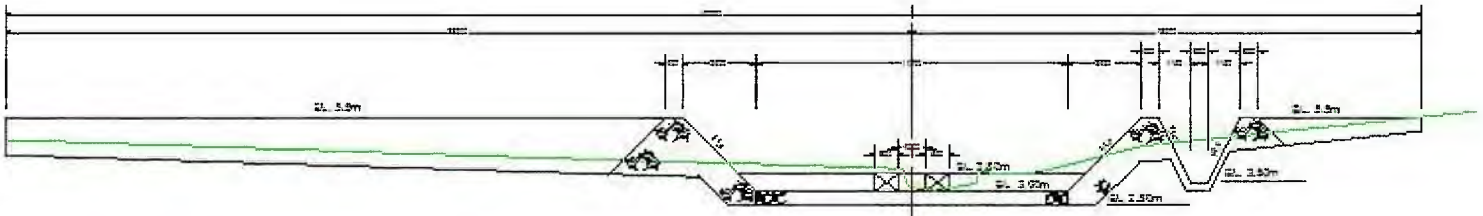
Mortar mixing
6 unskilled labor
x 2 sets/day

	Daily values	Total
Foreman		
Skilled Labor	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	44
Unskilled Labor	20 20 50 50 50 50 33 40 40 40 40 20 20 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32	1177
Total	0 0 0 0 0 0 0 0 0 0 0 20 20 50 50 50 50 33 40 40 40 40 20 20 34 34 34 34 34 34 34 34 34 34 34 34 34 34 34 34 34 34 34 34 34 34 0 0 0 0 0 0 0 0 0 0 0	1221

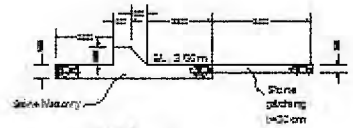
CHANSAMALAMBA
KAWAMBWA



Plan
1:100



Longitudinal Section
1:100



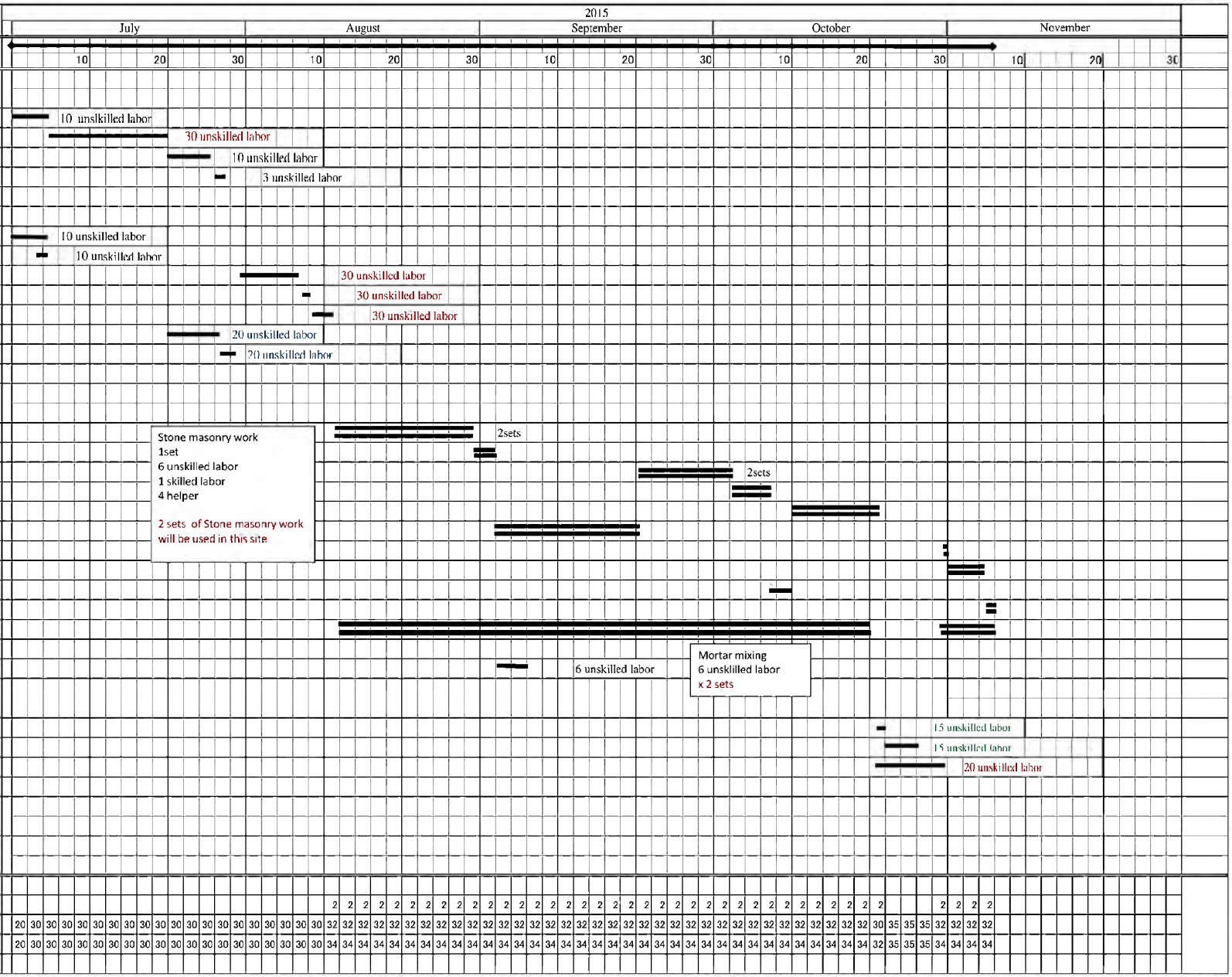
Section A
1:100

PROJECT	
CLIENT	
DESIGNED	
DRAWN	
SCALE	
DATE	

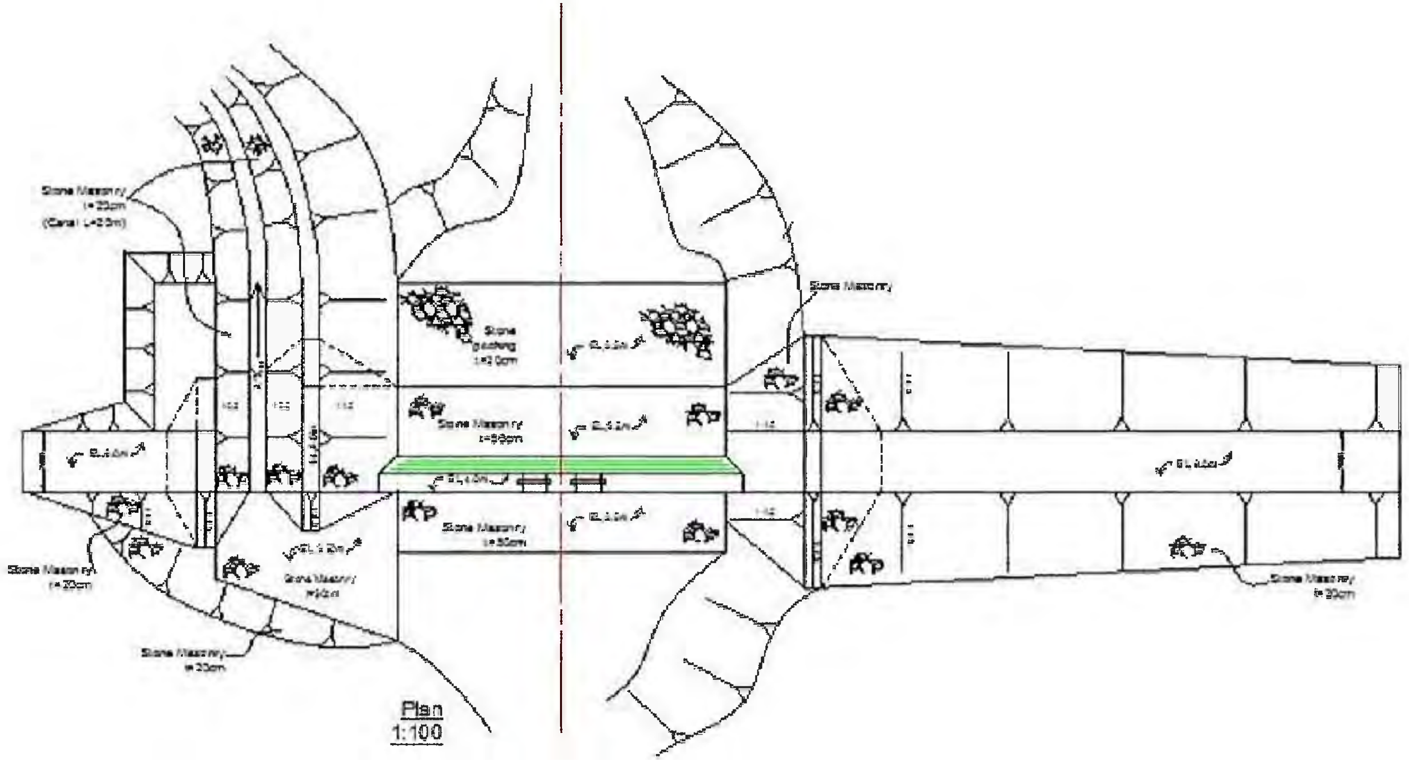
AP-II-D-37

PROGRESS SCHEDULE KWB-2 Chansamalamba (1st July - 6th November)

Item No.	Work Description	Quantity/unit			
1	Preparation Work				
1-1	Site clearing	1	LS	5.0	day
1-2	Gathering stones	179.1	m3	15.7	day
1-3	Gathering sand	66.7	m3	5.8	day
1-4	Preparation of tools	1	LS	1.0	day
2	Temporary Work				
2-1	Preparation of access road	1	LS	5.0	day
2-2	Preparation of temporary stock yard	1	LS	1.0	day
2-3	Excavation of Abutment, Apron	163.8	m3	7.5	day
2-4	Excavation of Embankment (right)	20.0	m3	0.9	day
2-5	Excavation of Embankment (left)	60.0	m3	2.7	day
2-6	Excavation of River diversion	94.5	m3	6.4	day
2-7	Construction of coffer dam	1	LS	2.0	day
3	Stone masonry			79.5	day
3-1	Apron	33.6	m3	17.6	day
3-2	Weir	10.2	m3	5.4	day
3-3	Right side abutment	23.3	m3	12.2	day
3-4	Right side canal (1)	9.6	m3	5.0	day
3-5	Right side canal (2)	21.3	m3	11.2	day
3-6	Left side abutment	34.6	m3	18.2	day
3-7	Embankment (right)	1.1	m3	0.6	day
3-8	Embankment (left)	8.9	m3	4.7	day
3-9	Intake (right)	6.0	m3	3.1	day
3-10	Right side intake upstream	3.0	m3	1.6	day
3-11	Mortan mixing	83.3	m3	72.9	day
4	River bed protection	14 4	m3	4.8	day
5	Embankment/back filling			13.9	day
5-1	Right side	14.1	m3	1.2	day
5-2	River diversion	47.3	m3	4.2	day
5-3	Left side	126.5	m3	8.4	day
6	Weekly Meeting				
	supervision by CEO, TSB				
	Supervision by JICA Expert				
	Foreman				
	Skilled Labor				
	Unskilled Labor				
	Total				



KALILA, MANSA



Plan
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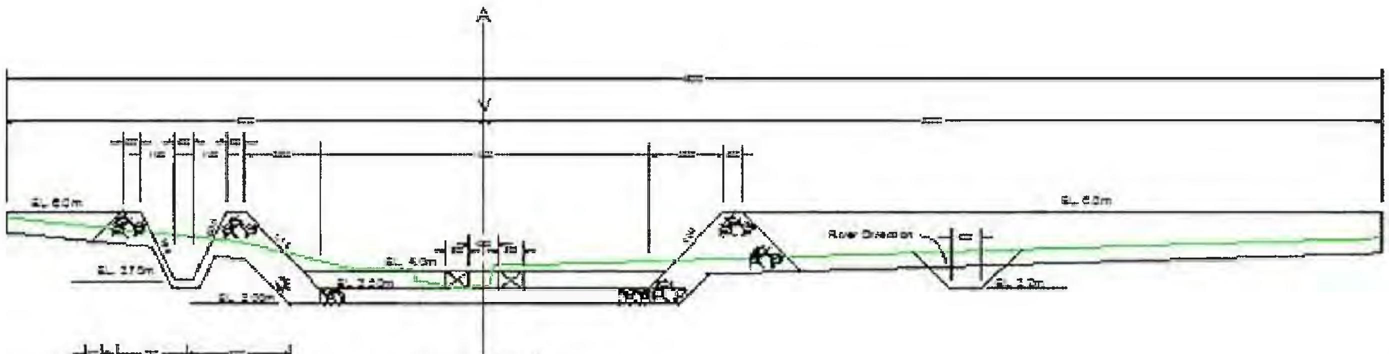

Longitudinal Section
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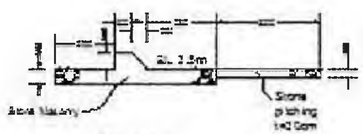


Section A
1:100

PROJECT	
CLIENT	[illegible] JICA
DESIGNED	
DRAWN	[illegible]
SCALE	1:100
DATE	[illegible]

PROGRESS SCHEDULE MNS-1 Kalila (1st July - 8th November)

2015: July | August | September | October | November

Item No.	Work Description	Quantity/unit		Duration		Remarks
1	Preparation Work					
1-1	Site clearing	1	LS	5.0	day	10 unslkilled labor
1-2	Gathering stones	200.0	m3	15.0	day	30 unskilled labor
1-3	Gathering sand	76.4	m3	7.5	day	10 unskilled labor
1-4	Preparation of tools	1	LS	1.0	day	3 unskilled labor
2	Temporary Work					
2-1	Preparation of access road	1	LS	5.0	day	10 unskilled labor
2-2	Preparation of temporary stock yard	1	LS	1.0	day	10 unskilled labor
2-3	Excavation of Abutment, Apron	264.0	m3	10.3	day	30 unskilled labor
2-4	Excavation of Embankment (right)	55.0	m3	2.1	day	30 unskilled labor
2-5	Excavation of Embankment (left)	21.4	m3	0.8	day	30 unskilled labor
2-6	Excavation of River diversion	48.0	m3	2.8	day	20 unskilled labor
2-7	Construction of coffer dam	1	LS	2.0	day	20 unskilled labor
3	Stone masonry			78.1	day	
3-1	Apron	30.0	m3	13.5	day	2sets
3-2	Weir	5.6	m3	2.5	day	
3-3	Left side abutment	39.6	m3	17.8	day	
3-4	Left side canal (1)	13.6	m3	6.1	day	2sets
3-5	Left side canal (2)	18.5	m3	8.3	day	
3-6	Right side abutment	36.1	m3	16.2	day	
3-7	Embankment (right)	15.3	m3	6.9	day	
3-8	Embankment (left)	3.5	m3	1.6	day	
3-9	Intake (left)	8.3	m3	3.7	day	
3-10	Left side intake upstream	3.2	m3	1.4	day	
3-11	Mortan mixing	95.5	m3	71.6	day	
4	River bed protection	11.6	m3	3.9	day	6 unskilled labor
5	Embankment/back filling			12.1	day	
5-1	Right side	115.5	m3	6.6	day	20 unskilled labor
5-2	River diversion	48.0	m3	3.6	day	15 unskilled labor
5-3	Left side	24.5	m3	1.9	day	15 unskilled labor
6	Weekly Meeting					
	supervision by CEO, TSB					
	Supervision by JICA Expert					

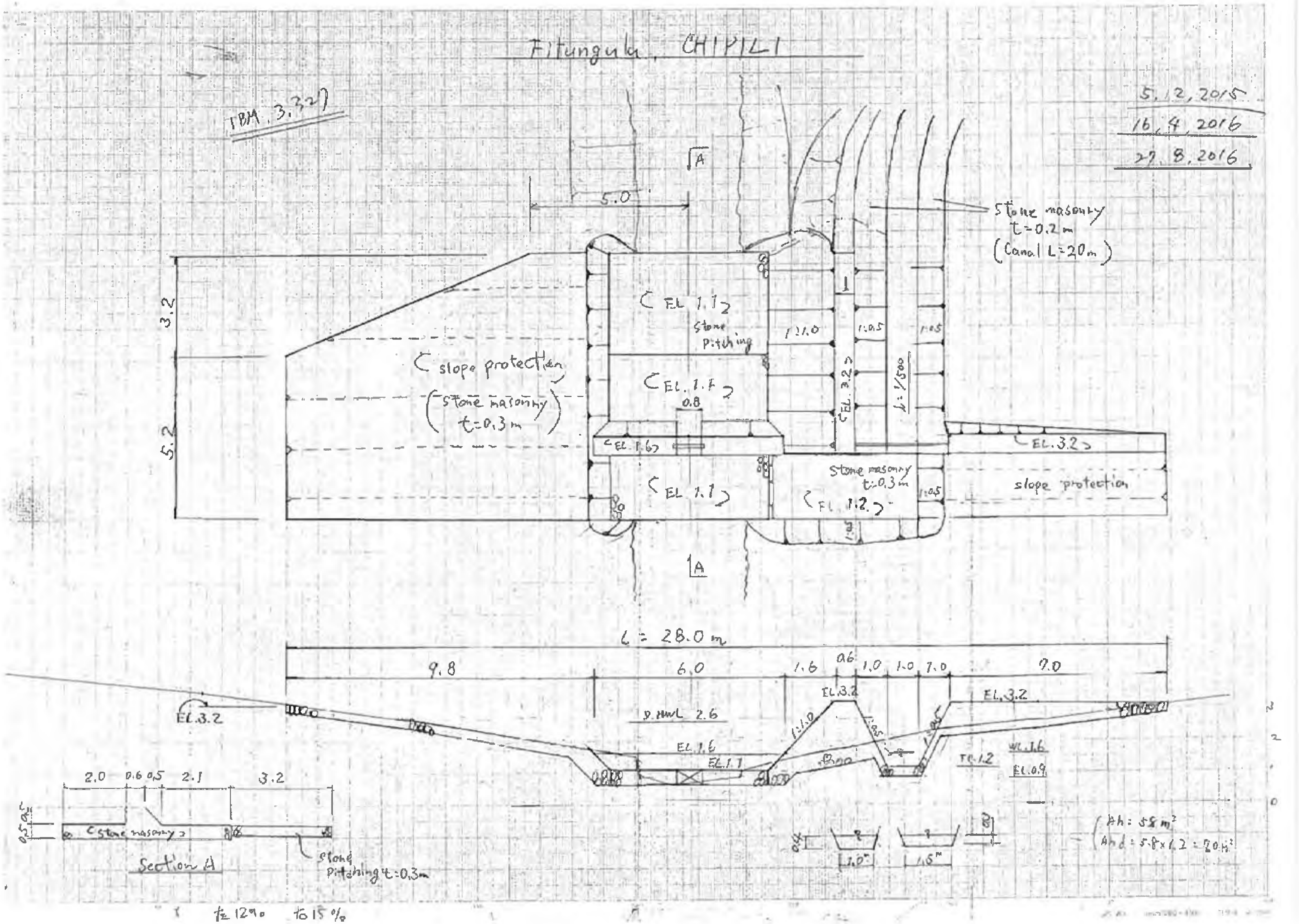
Stone masonry work
1set
6 unskilled labor
1 skilled labor
4 helper

2 sets of Stone masonry work will be used in this site

Mortar mixing
6 unsklilled labor
x 2 sets

Foreman																																		
Skilled Labor																						2	2	2	2	2	2	2	2	2	2	2	2	2
Unskilled Labor	20	30	30	30	30	30	30	30	30	30	30	30	30	13	30	30	30	30	30	30	30	32	32	32	32	32	32	32	32	32	32	32	32	32
Total	20	30	30	30	30	30	30	30	30	30	30	30	30	13	30	30	30	30	30	30	30	34	34	34	34	34	34	34	34	34	34	34	34	34

Foreman																																		
Skilled Labor	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2				2	2	2	2	2	2
Unskilled Labor	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	35	35	35	32	32	32	32	32	32
Total	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	35	35	35	34	34	34	34	34	34


Fitunguk, CHIPILI
TBM. 3.327
5.12.2015
16.4.2016
27.8.2016
5.0
Stone masonry t=0.2m (Canal L=20m)
slope protection (Stone masonry t=0.3m)
EL 1.1
Stone Pitching
EL 1.7
0.8
EL 1.6
Stone masonry t=0.3m
EL 1.2
EL 3.2
slope protection
L=28.0m
9.8
6.0
1.6
0.6
1.0
7.0
EL.3.2
D.HWL 2.6
EL 1.6
EL 1.1
EL.0.9
Section A
Stone masonry
Stone Pitching t=0.3m
to 12%
to 15%

PROGRESS SCHEDULE CHP Fitungulu (6th January - 10th August)

Work Description	Quantity/unit				2015
					April / May / June / July / August
Preparation Work					
Site clearing	1	LS	5.0	day	
Gathering stones	94.4	m3	5.0	day	
Gathering sand	36.3	m3	3.2	day	
Preparation of tools	1	LS	1.0	day	
Temporary Work					
Preparation of access road	1	LS	5.0	day	
Preparation of temporary stock yard	1	LS	1.0	day	
Excavation of Apron	50.4	m2	3.4	day	
Excavation of Abutment	30.0	m3	2.0	day	
Excavation of Slope protection (L)	15.6	m3	1.1	day	
Excavation of Slope protection (R)	1.7	m3	0.1	day	
Excavation of River diversion	102.1	m3	7.0	day	
Construction of coffer dam	1	LS	2.0	day	
Stone masonry			86.7	day	
Apron	13.0	m3	13.7	day	
Weir	2.6	m3	2.7	day	
Abutment	25.9	m3	27.2	day	
Canal	22.0	m3	23.1	day	
Slope protection (L)	17.6	m3	18.5	day	
Slope protection (R)	1.5	m3	1.6	day	
Morter mixing	45.4	m3	39.8	day	
River bed protection	4.8	m3	1.6	day	
Weekly Meeting					
supervision by CEO, TSB					
Supervision by JICA Expert					
Foreman					
Skilled Labor					
Unskilled Labor					
Total					

Stone masonry work
1set
6 unskilled labor
1 skilled labor
4 helper

Morter mixing
6 unskilled labor

Republic of Zambia

Ministry of Agriculture

SMALLHOLDER PRODUCTIVITY PROMOTION PROGRAMME (3SP)

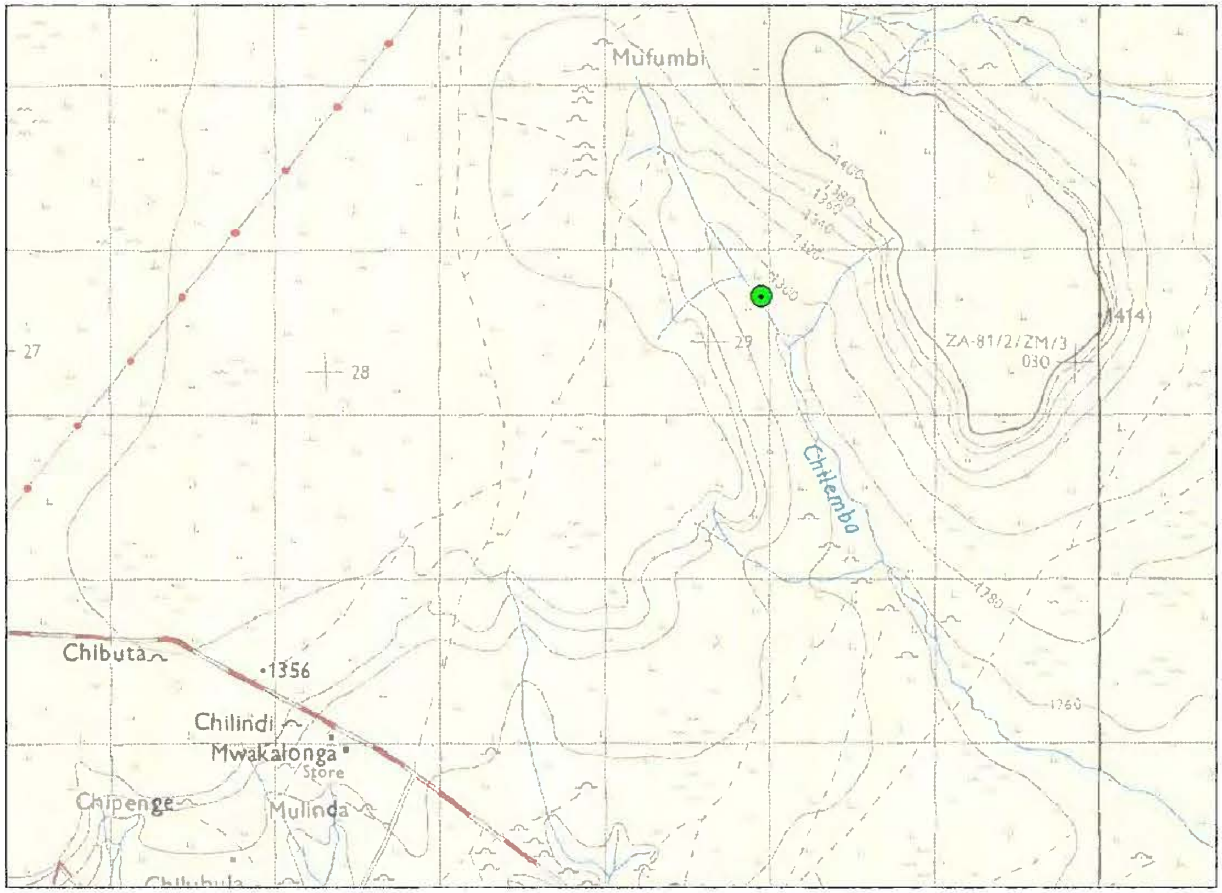
Design Report for Chilemba Permanent Weir in Kasama District

FEBRUARY 2017

COMPILED BY:

TECHNICAL SERVICE BRANCH

Location Map



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Contents

1. Objectives of the project

Permanent-diversion-weir irrigation scheme is introduced based on the concept that weir structure is upgraded to be stone masonry structure where existing simple weir irrigation scheme is well functioning and well maintained by the users so that upgraded irrigation system can be more sustainable. Under this concept, Chilemba scheme were selected to be upgraded from the existing simple weir irrigation schemes that had been constructed during and after the pilot project of the COBSI Study and during T-COBSI. Objectives of the project are to reduce maintenance work of weir and to realize the maximum utilization of water source that enables extension of irrigated area. It is expected that agriculture production and income will increase in the scheme.

2. Design Concept

In this project, diversion weir with permanent structure, made of stones and mortar, is constructed. As it is a smallholder irrigation development, the type of weirs should be something that can be constructed with farmers' participation, not by the contractor, and then manageable by the farmers for operation and maintenance.

The type of weir shall be fixed type weir that does not require sophisticated operation. The weir body, apron, spillway and intake are made of stone masonry that can be constructed by some skilled labors and unskilled labors from the farmers. The weir should discharge flood water safely, therefore, spillway which has enough capacity should be equipped. Stop-logs shall be provided for maintenance work. The volume of stone masonry shall be less than the volume that can be constructed within one dry season.

3. Site Condition

The site consists of medium clay soil, few forest trees away from the traditional believe and it's easily accessed. It's about 3 km from the main road.

3.1 Natural Conditions

(1) Meteorological Conditions

Chilemba scheme is located in Lukulu North camp in Kasama district and at 47 km from the district offices Latitude is …….S, longitude is ……. E and altitude is …….m. Meteorological data are available in this area that of Kasama location is adopted.

(2) River Condition.

Water source of scheme is chilemba stream, and it is a perennial stream. Stream center line is stable because of sand on the base. The slope of the stream is gentle and less sediment.

Water flow quantity is estimated 200 lit/s (Dec. 8, 2015) and .400 lit/s (May, 2016). Monthly flow quantity is estimated as follows;

Table 3.2 Estimated Monthly Flow Quantity (lit/s)

May	June	July	August	September	October	November	December
400	370	340	310	280	250	220	200

Rising up the water level by constructing the weir does not affect upstream area.

There are few trees along the stream.

(3) **Foundation**

River bed material is rocky and gravel. Both Right side slope and left side slope contains clay soil.

3.2 Socio-economic Conditions

(1) Scheme

Describe name of village, total population, number of households, number of scheme member (men, women), income structure, major economic activities, etc. Operation and maintenance of irrigation system.

Scheme

Name of village	Total population	Number of household	Number of scheme member	
			men	women
Chilemba	275	40	35	55

Describe name of farmers group, activity, member fee, etc.

Name of scheme committee members.

Position	Name	Contact No.
Chairman	Mr Kambole	0979529339
Secretary		

Future plan for expansion.

(2) Water Usage

Describe water usage in the scheme; domestic, irrigation, fish ponds, etc.

The water will be used for irrigation and for fish ponds.

Describe water usage; upstream 1 km irrigation, 2km, downstream irrigation

Water right:

At downstream, at upstream.

Water right of Chilemba -not registered

- The water from the scheme shall be used for irrigation purpose
- fish ponds
- drinking
- washing

(3) **Problems and Issues**

Inadequate water during dry season due to seepage in the canal.

3.3 Farming and Cultivation Conditions

(1) Cropping pattern

Table 3.3 Current Cropping Pattern (20XX)

Crop name	Area planted (lima)	Planting date	Harvesting date
Carrots	2	01/07	
Chinese cabbage	1	12/07	
Green maize	3	05/07	
Tomatoes	2	04/08	
Cabbage	2	12/08	

Onions	1	02/09	
Rape	1	10/09	
Bondwe	1	04/09	
TOTAL	**13**		

Table 3.4 Planned Cropping Pattern

Crop name	Area planted (lima)	Planting date	Harvesting date
Onion	6	01/04	
Green Maize	3	06/04	
Tomato	5	10/04	
Cabbage	4	15/04	
Rape	6	25/4	
Total Area	**24**		

Table 3.4 SOIL DATA

Soil name	**Medium (clay)**	
Total available soil moisture(FC-WP)	290	mm/meter
Maximum rain infiltration rate	40	Mm/day
Maximum rooting depth	60	Centimeters
Initial soil moisture depletion(as %TAM)	0	%
Initial available soil moisture	290	Mm/meter

Number of fish ponds.

There are no fish ponds, but ones the permanent weir is constructed they will be set up

Number of livestock

The total number of livestock (goats) is 700.

(2) Cultivation Technology

Irrigation method, rule (rotation, gravity irrigation, companion cropping and on farm irrigation etc.)

(3) Market

There are two markets and these are Chilubula, chikumanino, Chambeshi and TAZARA market.

Major market.

Chilubula

(4) **Problems and issues**

Any problems and issues on farming.

3.4 Construction Conditions

(1) Availability of labor

18Men/day 10 Women/day

No Skilled labour

Working hour: 08:00 hours to 15:00 hours

No working day: 5 Saturday, Sunday and holidays.

(2) Availability of material

Stones: 500m from the site, free of charge

Sand: 5 km from the site, price/tonne-K300.00

Access to the site: road condition, bridge, etc.

The site is easily accessed by road.

(3) Any special condition

There is no special condition. 3.5 Other Conditions

(1) Related Projects

In order to establish the design and the construction plan, examine whether there are any other development projects, including those under planning.

If there are any, investigate the features of their plan and design, the route selection, the structure, the construction year, and the conditions at the time of construction.

Currently there are no developmental projects.

4. Design of the Weir

4.1 Design High Water Level

Design high water level is determined according to following procedure.

① Draw cross section of river at the weir center line
② Put high water level in the drawing
③ Calculate the flow water area at the high water level : Ah
④ Decide intake water level (spillway crest level) : IWL

Crest level of spillway = existing intake water level + 0.1 ~ 0.2m

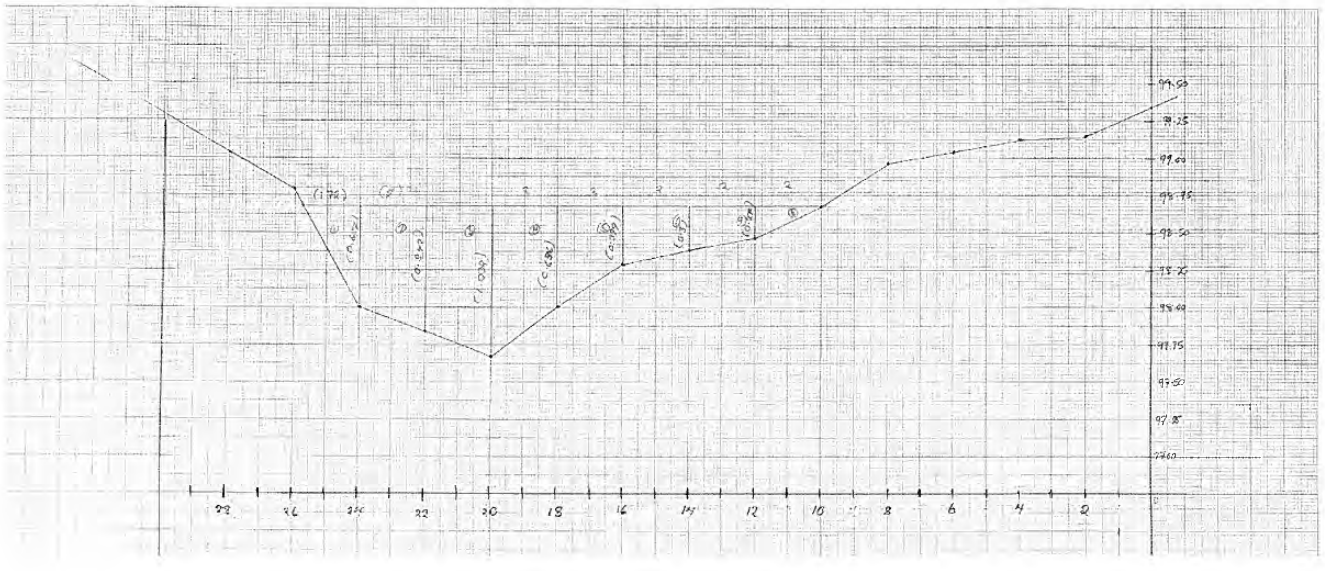
⑤ Decide the width of spillway ≒ Width of existing river
⑥ Decide design flow water area at the high water level: Ahd > Ah x 1.2 (20% margin)
⑦ Decide the design high water level
⑧ Decide the weir crest level = DHWL + 0.6m

(1) Calculation of Ah

① (25.75 – 24) x (98.675 – 98.00) / 2 = 0.565
② {(98.675 – 98.00) + (98.675 – 97.825)} / 2 x (24 –22) = 1.499
③ {(98.675 – 97.825) + (98.675 – 97.675)} / 2 x (22 – 20) = 1.844
④ {(98.675 – 97.675) + (98.675 – 98.00)} / 2 x (20 – 18) = 1.638
⑤ {(98.675 – 98.00) +(98.675 – 98.3)} / 2 x (18 – 16) = 1.016
⑥ {(98.675 – 98.3) + (98.675 – 98.375)) /2 x (16 – 14) = 0.679
⑦ (98.675 – 98.375) + (98.675 – 98.45) /2 x (14 – 12) = 0.504
⑧ (12 – 10) x (98.675 – 98.45) / 2 = 0.204

Ah = 0.565 + 1.499 + 1.844 + 1.638 + 1.016 + 0.679 + 0.504 + 0.204 = 7.948 m^2

Required area = 7.948 x 1.2 = 7.948 m^2



(2) Calculation of Spillway

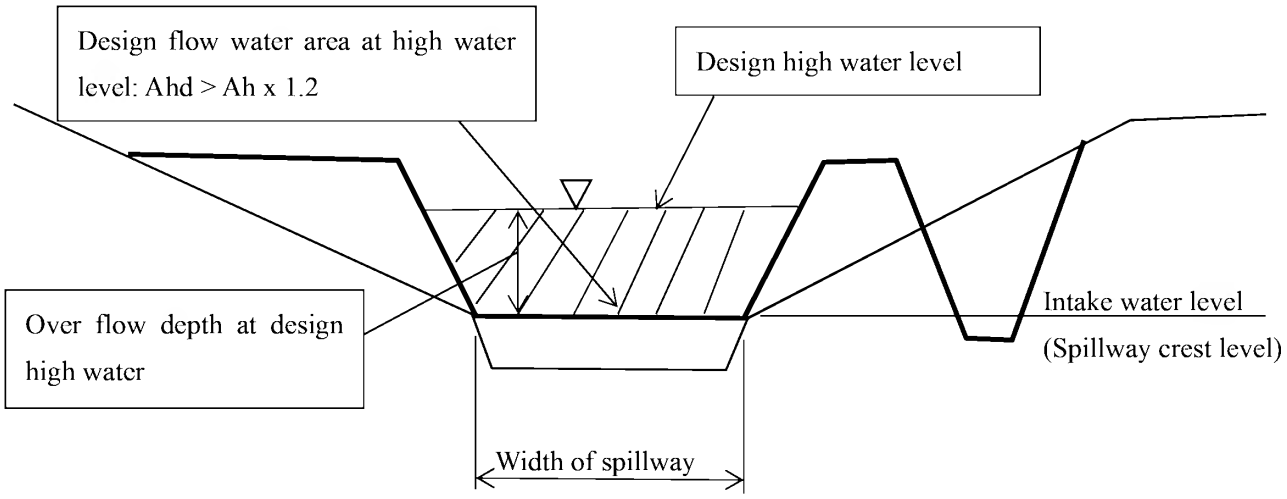


Figure 4.2 Design Flow Area

Width of existing stream is 6 to 14 m.

Table 4.1 Calculation of Spillway Flow area

W (m)	D (m)	A (m2)
8.00	1.00	9.00
8.00	1.10	10.01
8.00	1.20	11.04
9.00	1.00	10.00
9.00	1.10	11.11
10.00	0.90	9.81
10.00	1.10	12.21
11.00	0.80	9.44
11.00	0.90	10.71
11.00	1.00	12.00

According to the table above, width of spillway is 9 m.

Existing water level: EL. 98.3 m

Intake water level: EL. 98.50 m

Spillway crest level: EL. 98.50 m

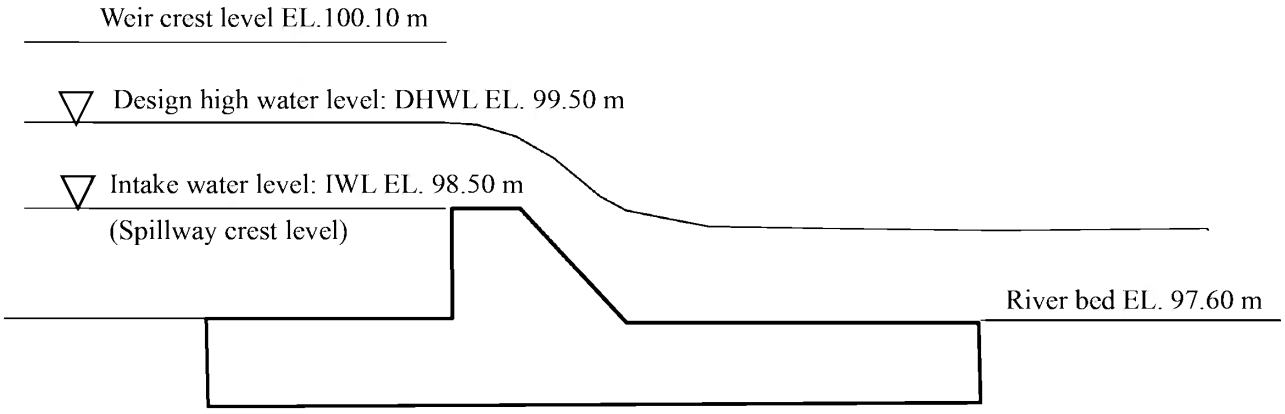
Design High Water Level = EL. 98.50 + 1.00 = EL.99.50 m

Weir crest level = EL.99.50 + 0.6 = EL. 100.10 m

4.2 Determination of Various Elevations

- River bed: Actual elevation based on the survey = EL. 97.60 m
- Intake water level (IWL) = existing water level + 0.1 = EL. 98.50 m
- Spillway crest elevation: = IWL = EL. 98.50 m
- Design high water level (DHWL): spillway crest elevation + overflow depth 1.0m = EL. 99.50 m
- Main weir crest elevation: DHWL + 0.6m = EL.100.10 m
- Intake bottom elevation: spillway crest elevation – 0.4 > riverbed + 0.2 = EL. 98.10 m

Figure 4.3 Various Elevations



4.3 Length of Apron

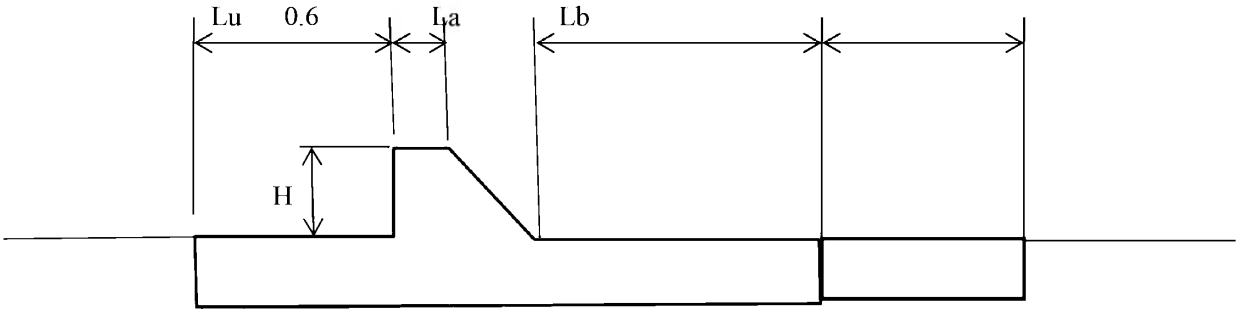


Figure 4.4 Length of Apron.

Recommended length of apron is showed in the Table 4.2

H = 0.9m, Medium clay

Therefore, La = 2.9 m. Lb = 4.3 m, Lu = 2.0m (standard)

Table 4.2 Recommended length of apron

Foundation	H (m)	La (m)	Lb (m)	L (m)
Medium clay	0.6	2.3	3.5	5.8
Medium clay	0.8	2.7	4.0	6.7
Medium clay	1.0	3.0	4.5	7.5
Sandy soil	0.6	5.6	8.3	13.9
Sandy soil	0.8	6.4	9.7	16.1
Sandy soil	1.0	7.2	10.8	18.0

4.4 Various Dimension

(1) Intake

- Bottom width of intake

Bottom width of intake is decided to meet to required discharge capacity.

Beneficiary area is estimated 30 ha. However, stream water flow is about 750 lit/s (December, 2016).

Width of existing furrow is about 0.5 m.

Considering these conditions,

Bottom width:1.0 m

Intake water depth: 0.4 m

According to Table 4.3, capacity of intake is 350 lit/s, velocity 0.72 m/s

Table 4.3 Main Canal Hydraulic Analysis

Bottom Width = 1.0m, I = 0.002, n = 0.025							
Q (m^3/s)	V (m/s)	A (m^2)	P (m)	R (m)	Water Depth (m)	Freeboard (m)	Canal Height (m)
0.200	0.6109	0.327	1.640	0.200	0.2864	0.114	0.400
0.225	0.6330	0.355	1.689	0.210	0.3080	0.192	0.500
0.250	0.6532	0.383	1.735	0.221	0.3288	0.171	0.500
0.275	0.6717	0.409	1.780	0.230	0.3487	0.151	0.500
0.300	0.6889	0.436	1.823	0.239	0.3679	0.132	0.500
0.325	0.7049	0.461	1.864	0.247	0.3864	0.114	0.500
0.350	0.7199	0.486	1.904	0.255	0.4044	0.196	0.600
0.375	0.7341	0.511	1.943	0.263	0.4219	0.178	0.600
0.400	0.7475	0.535	1.981	0.270	0.4389	0.161	0.600
0.450	0.7723	0.583	2.055	0.284	0.4716	0.128	0.600
0.500	0.7948	0.629	2.124	0.296	0.5027	0.197	0.700

- Slope of side wall shall be 1 : 0.5
- Slope of intake canal (hydraulic gradient) : 1/500
- Thickness of stone masonry lining : minimum 20cm
- Width of top of intake : minimum 60cm

(2) Main Weir

- Width of crest of overflow section : 60cm (minimum)
- Width of crest of non-overflow section : 60cm (minimum)
- Downstream slope of weir : 1 : 1 (standard cross section)
- Upstream face of weir : vertical (standard cross section)

- Width of stop-log : 80cm (maximum)
- Thickness of apron : minimum 50cm (soil foundation)
- Thickness of slope protection: 30cm (minimum)
- Setting Depth of main weir : minimum 50cm (soil foundation)

4.5 Specifications

Table 4.4 Specification of Weir

No.	
Name of scheme	Chilemba
Province	Northern
District	Kasama
No. of members	
Present irrigated area (ha)	3.25
Scheme area (ha)	>10
Type of weir	Fixed type stone masonry with stop log.
Total length of weir	36.9 m
Height of weir	2.5 m
Spillway	W= 9.0m Design flow depth: 1.0m Stop log: W = 0.8m x 1
Top Elevation*1	EL.100.10 m
Over flow crest elevation*1	EL.98.50 m
Intake	Left side Trapezoid Bottom width: 1.0 m Bottom elevation : EL.98.1 m
Design discharge (lit/s)*2	344
Maximum irrigable area (ha)*3	25.9

*1 relative elevation

*2 design discharge > actual river flow

*3 design capacity

5. Work Plan

(1) Bill of Quantity

Detailed bill of quantity and manpower plan is shown in attachment 3. Table 5.1 shows summary of bill of quantity.

Table 5.1 Summary of Bill of Quantity

Item	Specification/Quality	Unit	Quantity
Excavation		m^3	169
Back filling/Embankment		m^3	23.4
Stone masonry		m^3	171.85
Stone pitching		m^3	10.97
Rubble stone	10cm – 30cm	m^3	196.96
Mortar		m^3	94.52
Sand		m^3	85.06
Cement	Ordinary portland	Bags	850.65
Stop-log	Plank	m2	4.77
Stop-log	Timber 50 x 50	m	15.4
Stop-log frame	[- 40 x 75, D12	L.S.	1

(2) Manpower Plan and Work Schedule

Required manpower is calculated based on required quantity. According to required manpower and manpower plan, work period is estimated.

Table 5.2 shows summary of required manpower and work period.

Table 5.2 Summary of manpower plan

Item	Quantity	Unit	man· day	man/day	Net period (day)	Gross period (Net x 2.0 day)
Excavation	196	m^3	152.8	30	5.1	10.2
Back filling/embankment	23.4	m^3	17.8	30	0.6	1.0
Stone masonry	171.85	m^3	773.3	12	64.4	128.8
Mortar mixing	94.52	m^3	425.34	12	35.4	70.9
Stone pitching	10.97	m^3	21.9	20	1.1	2.2

Work schedule is shown in attachment 3.

(3) Cost Estimation

Summary of construction cost is shown in Table 5.3

Table 5.3 Summary of Construction Cost

Item	specification	quantity	unit	unit price	price
rubble stone		196.56	m^3	0.0	0
sand		85.06	m^3	0.0	0
cement	ordinary portland	851	bag	75.0	63,825
Plank	25x200x5,500	5	pc	70	300
Timber	50x50x5,500	4	pc	22.5	90
Stop-log frame		1	L.S.	3,500	3,500
Total material cost					67,715.0
Tools		1	L.S.		15,000
Transportation	Cement	5	trips	2,000	10,000
	Sand	22	trips	800	17600
	Stones	50	trips	800	40000
	Tools	1	trip	1,500	1,500
Transportation total					
foreman		51.6	man	0.0	0
skilled labor		103.1	man	100.0	10310.7
unskilled labor		1776.9	man	30.0	53305.7
Total labor cost					
Total Construction Cost					**147716.4**
Cost for S/V					
	Fuel	1850	litre	10.72	**19832.00**
	MA	105	day	85.00	**8925.00**
Total Project Cost					**244238.5**

1. Irrigation Water Requirement

1.1. General conditions

(1) Irrigation water requirement of each scheme

Irrigation water requirement of each scheme is calculated with FAO-CROPWAT.

1) Meteorological data

Meteorological data of FAO-CLIMWAT is used for CROPWAT.

2) Cropping pattern

Cropping patterns are based on inventory survey and interview to the farmers.

3) Effective rainfall

A number of empirically determined formulae can be used. They have been developed under a given set of conditions which may be very different from those under which they are to be applied. Their use elsewhere therefore remains doubtful.

According to FAO-CROPWAT, "In general, the efficiency of rainfall will decrease with increasing rainfall. For most rainfall values below 100 mm/month, the efficiency will be approximately 80%. Unless more detailed information for local conditions, it is suggested to select the Option "Fixed percentage" and give 80% as requested value".

In Northern, Luapula and Muchinga district, monthly precipitation in the dry season is less than 100 mm. Therefore, in this study, 80% is given as rainfall efficiency.

4) Irrigation efficiency

Irrigation efficiency is calculated by following formula:

Ep = Ea x Eb x Ec

Irrigation efficiency Ep

Conveyance efficiency Ec: ratio of quantity of water at inlet of a block of field / intake water at source

Field canal efficiency Eb: ratio of quantity of water at field inlet / a block of field

Application efficiency Ea: ratio of quantity of water directory available to the crop / field inlet

Distribution efficiency Ed = Ec x Eb

Field efficiency Ef = Eb x Ea

Table 1 shows values determined by international institutes.

According to the table below, following coefficients are adopted in this study.

Ed = 0.3, Ea = 0.6

Ep = 0.3 x 0.6 = 0.18

Table 1 Ec, Eb, Ed, and Ea

Conveyance Efficiency (Ec)			ICID/ILRI
Continuous supply with no substantial change in flow			0.9
Rotational supply in projects of 3,000 – 7,000 ha and rotation areas of 70 – 300 ha, with efficient management			0.8
Rotational supply in large schemes (>10,000ha) and small schemes (<1,000 ha) with respective problematic communication and less effective management:			
Based on predetermined schedule			0.7
Based on advance request			0.65
Field Canal Efficiency (Eb)			
Blocks larger than 20 ha: unlined			0.8
lined or piped			0.9
Blocks up to 20 ha: unlined			0.7
lined or piped			0.8
Distribution efficiency (Ed = Eb x Ec)			
Average for rotational supply with management and			
Communication adequate			0.65
sufficient			0.55
insufficient			0.40
poor			0.30
Field Application Efficiency (Ea)	USDA	USSCS	
Surface methods			
Light soils	0.55		
Medium soils	0.70		
Heavy soils	0.60		
Graded border		0.60-0.75	0.53
Basin and level border		0.60-0.80	0.58
Contour ditch		0.50-0.55	
furrow		0.55-0.70	0.57
corrugation		0.50-0.70	
Subsurface		Up to 0.80	
Sprinkler, hot dry climate		0.60	
Moderate climate		0.70	
Humid and cool		0.80	0.67
Rice			0.32

ICID: International Committee of Irrigation and Drainage

ILRI: International Institute for Land Reclamation and Improvement

USDA: United States Department of Agriculture

USSCS: United States Soil Conservation Service

1.2 Cropping Calendar

(1) Standard days to maturity (Crop Production Recommendations for Northern and Muchinga Province, RESCAP, FAO Irrigation and Drainage Paper No.56)

Standard days to maturity varies depending on variety. In this project, following table is adopted.

Crop	Days to maturity (RESCAP/FAO*)	Adopted
Green Maize (Medium maturity)	120 - 142	130
Green Maize (Early maturity)	105 - 115	110
Common Beans	75 - 85	80
Soya Bean	110 - 130	120
Groundnuts	110 - 145	130
Sweet Potato	105	105
Irish Potato	115 - 140	125
Tomato (cold season)	106 - 109	110
Chinese Cabbage	60	60
Cabbage	100 -110	110
Onion	150*	150
Impwa (egg plant)	130*	130
Okura	-	90
Rape	60	60
Vegetable	-	60

One crop is not planted always at once in the scheme. Some farmers start planting in April and harvesting in August and some start planting in May and harvesting in September.

In that case, for CROPWAT data, planting in April and harvesting in September is adopted.

(2) Cropping Pattern

Cropping pattern of the scheme is shown in following table. This cropping pattern is based on interview to the farmers. Future cropping pattern will be modified to be more effective

Table 2. Cropping Calendar

Crop	Area (lima)	%	Months												
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
Carrot	2	15													
Green Maize	3	23													
Chinese Cabbage	1	8													
Tomato	2	15													
Cabbage	2	15													
Onion	1	8													
Bondwe	1	8													
Rape	1	8													
TOTALS	13	100													

1.3 Result of Calculation

Result of calculation of irrigation water requirement is shown in **Table 3**.

Table 3

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Precipitation deficit												
1. Carrot Chilemba	**0**	**0**	**0**	**0**	**0**	**0**	**100.3**	**150.1**	**189.8**	**176.9**	**10.4**	0
2. Green Maize Chilem	0	0	0	0	0	0	40	146.5	216.4	181.9	1.8	0
3. C Cabbage Chilemba	0	0	0	0	0	0	66.1	171.4	84.3	0	0	0
4. Tomato Chilemba	0	0	0	0	0	0	0	90.2	142.3	198.7	49	0
5. Cabbage Chilemba	0	0	0	0	0	0	0	76.9	129	147	32.6	0
6. Onion Chilemba	0	0	0	0	0	0	0	0	125.1	156.2	38.7	0
7. Bondwe Chilemba	0	0	0	0	0	0	0	0	120.5	177.9	45.2	0
8. Rape Chilemba	0	0	0	0	0	0	0	0	93	186.2	26.2	0
Net scheme irr.req.												
in mm/day	0	0	0	0	0	0	1	3.1	5.1	5.2	0.8	0
in mm/month	**0**	**0**	**0**	**0**	**0**	**0**	**29.5**	**95**	**152.8**	**161.9**	**23**	**0**
in l/s/h	0	0	0	0	0	0	0.11	0.35	0.59	0.6	0.09	0
Irrigated area	0	0	0	0	0	0	46	76	100	92	92	0
(% of total area)												
Irr.req. for actual area (l/s/h)	0	0	0	0	0	0	0.24	0.47	0.59	0.66	0.1	0

Maximum irrigation water requirement is:

0.66 / 0.18 = 3.67 l/s/ha

In case of 8 hours irrigation per day:

3.67 x 24/8 = 11.01 l/s/ha.

2. Design Discharge Capacity of Intake

The discharge of the canal is calculated using the following formula;

$$Q = A \cdot V$$

Where, Q: Discharge (m^3/s)

A: Cross-section area (m^2)

V: Mean velocity (m/s)

The mean velocity of an open canal is calculated according to Manning formula;

$$V = \frac{1}{n} \cdot R^{2/3} \cdot I^{1/2}$$

Where, V: Mean velocity (m/s)

I: Hydraulic gradient (canal bed slope)

R: Hydraulic radius (m)

n: Roughness coefficient

Canal bed slope is 1/500 = 0.002, Roughness coefficient = 0.025 (rough wet stone masonry)

The result of calculation is shown in following table.

Design discharge capacity is larger than actual river water flow observed in 2016.

Table 4 result of hydraulic calculation for intake canal

Site	Bottom width (m)	Depth (m)	R (m)	I	n	V (m/s)	A m^2	Q m^3/s
Chilemba	1.00	0.40	0.253	0.002	0.025	0.716	0.480	0.25

3. Maximum Irrigable Area

Based on irrigation water requirement and intake discharge capacity, irrigable area is decided as follows;

Table 5 Maximum Irrigable Area

Site	Current irrigated area (ha) (1)	Irrigation requirement (l/s/ha) (2)	Discharge capacity (lit/s) (3)	Maximum irrigable area (ha) (4) = (3) / (2)
Chilemba	3.25	11.01	344	25.88

Actual irrigable area depends on actual river flow quantity.

A1- Kasama, Northern Province

Table A1-1 Meteorological data of Kasama

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max	26.3	26.8	26.8	26.5	26.0	24.9	24.9	26.9	29.8	30.9	28.9	26.7
Min	16.1	16.2	16.1	15.2	12.5	9.6	9.3	11.0	13.8	15.9	16.4	16.2
Mean	19.7	19.9	20.2	20.2	18.9	17.2	17.1	18.9	21.8	23.1	21.6	20.1

Month	Min Temp °C	Max Temp °C	Humidity %	Wind km/day	Sun hours	Rad MJ/m²/day	ETo mm/day
January	16.1	26.3	84	147	5.7	19	3.77
February	16.2	26.8	83	147	5.8	19.1	3.84
March	16.1	26.8	82	130	6.9	20.2	3.98
April	15.2	26.5	72	164	9.4	22.3	4.4
May	12.5	26	64	173	10.7	22.1	4.31
June	9.6	24.9	59	199	11.1	21.4	4.19
July	9.3	24.9	55	216	11.5	22.4	4.44
August	11	26.9	49	242	11.5	24.4	5.34
September	13.8	29.8	44	233	11.2	26.1	6.25
October	15.9	30.9	44	216	10.2	25.6	6.46
November	16.4	28.9	66	173	8.5	23.2	5.14
December	16.2	26.7	77	156	6.6	20.2	4.18
Average	14	27.1	65	183	9.1	22.2	4.69

	Rain mm	Eff rain mm
January	285.3	228.2
February	242.8	194.2
March	233.1	186.5
April	91.3	73
May	10.5	8.4
June	0.4	0.3
July	0.1	0.1
August	0.1	0.1
September	3	2.4
October	23.3	18.6
November	158.3	126.6
December	295	236
Total	1343.2	1074.6

Graph A1-1 Monthly Precipitation of Kasama

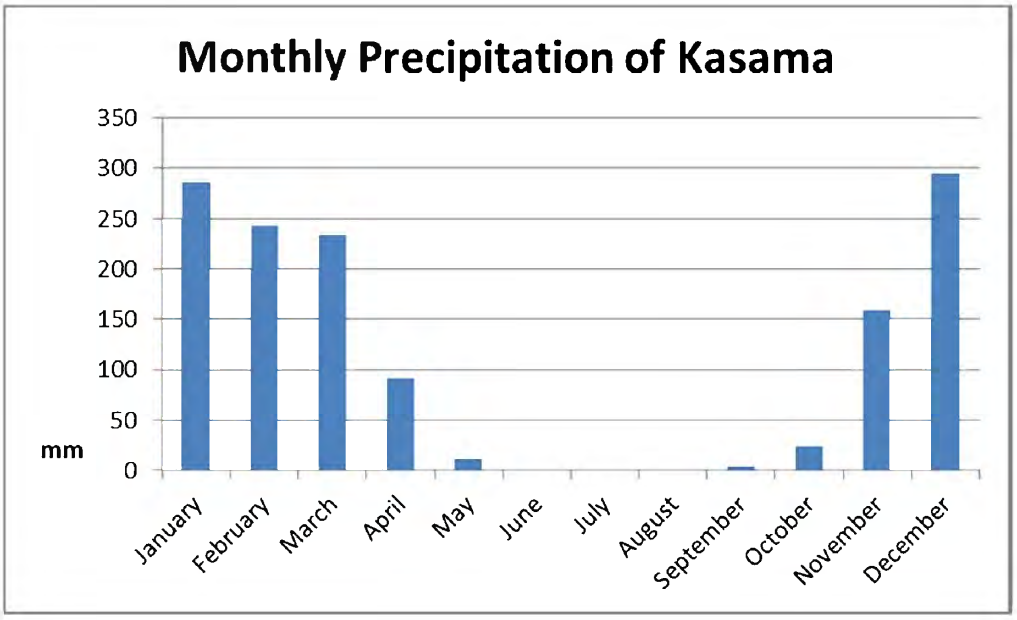


Table A1-2 Cropping pattern of the scheme.

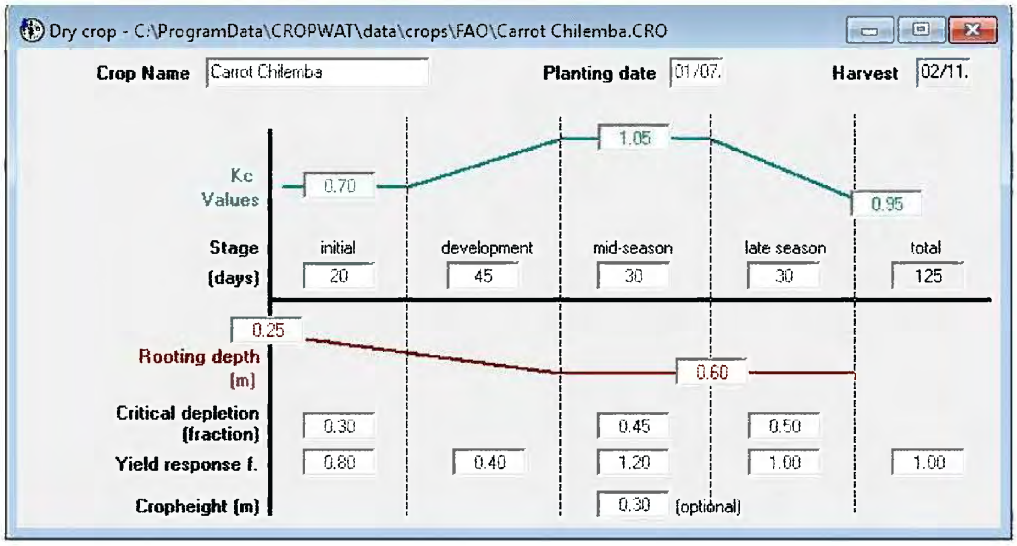
Crop name	Area planted (lima)	Planting date	Area %
Carrots	2	01/07	15
Chinese cabbage	1	12/07	8
Green maize	3	05/07	23
Tomatoes	2	04/08	15
Cabbage	2	12/08	15
Onions	1	02/09	8
Rape	1	10/09	8
Bondwe	1	04/09	8
TOTAL	**13**		**100**

Table A1-3 Soil data

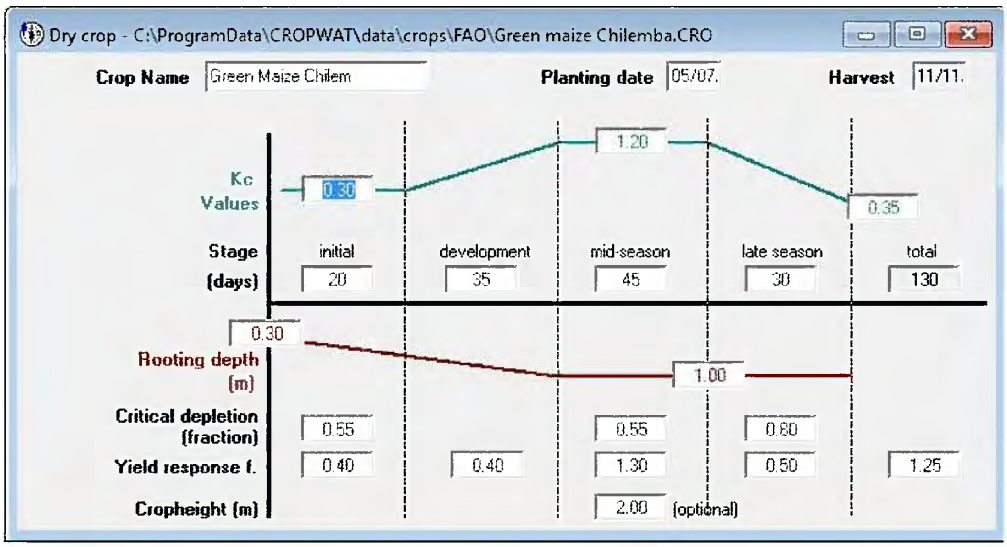
Soil name	**Medium (loam)**	
Total available soil moisture (FC-WP)	290	mm/meter
Maximum rain infiltration rate	40	mm/day
Maximum rooting depth	60	centimeters
Initial soil moisture depletion (as % TAM)	0	%
Initial available soil moisture	290	mm/meter

Table A1-4 Crop data

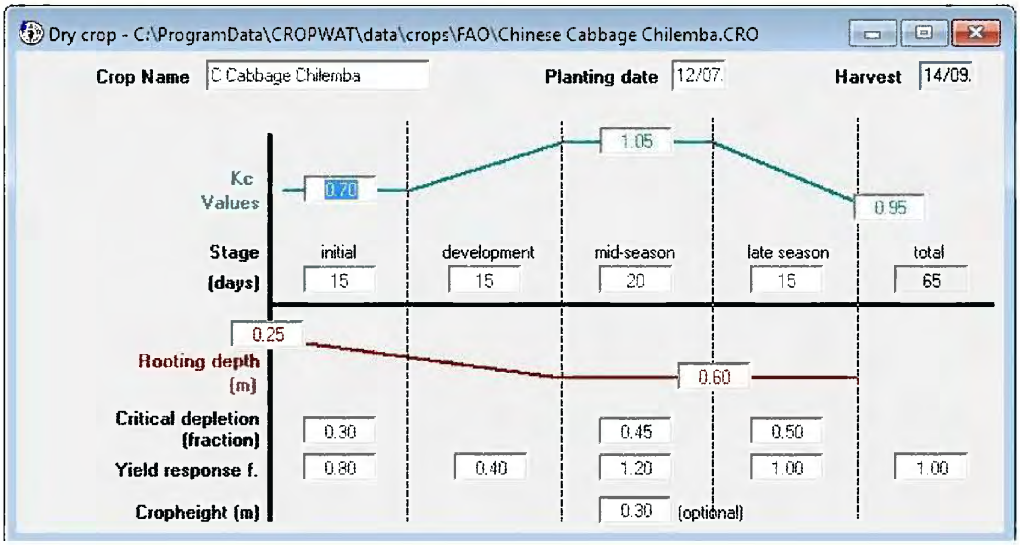
1. Carrot



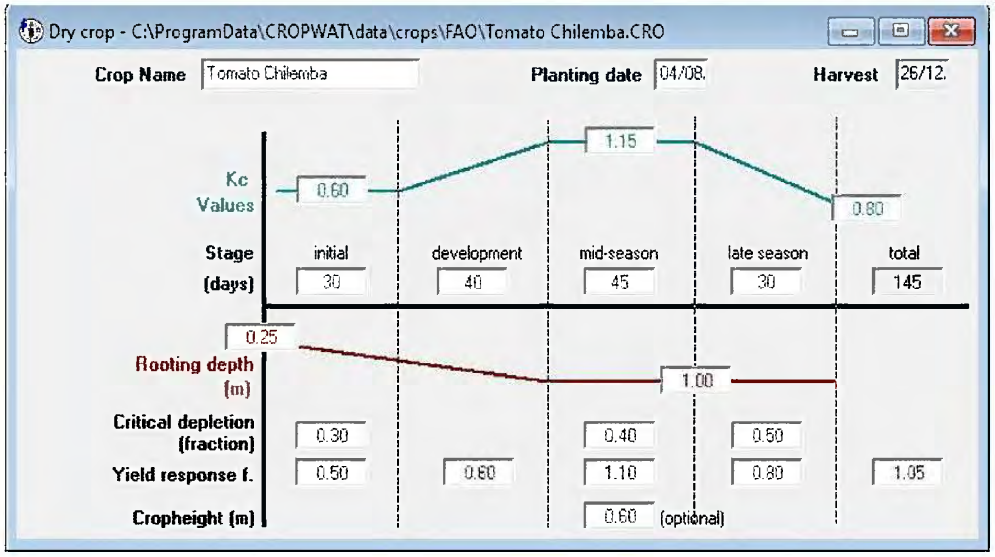
2. Green Maize



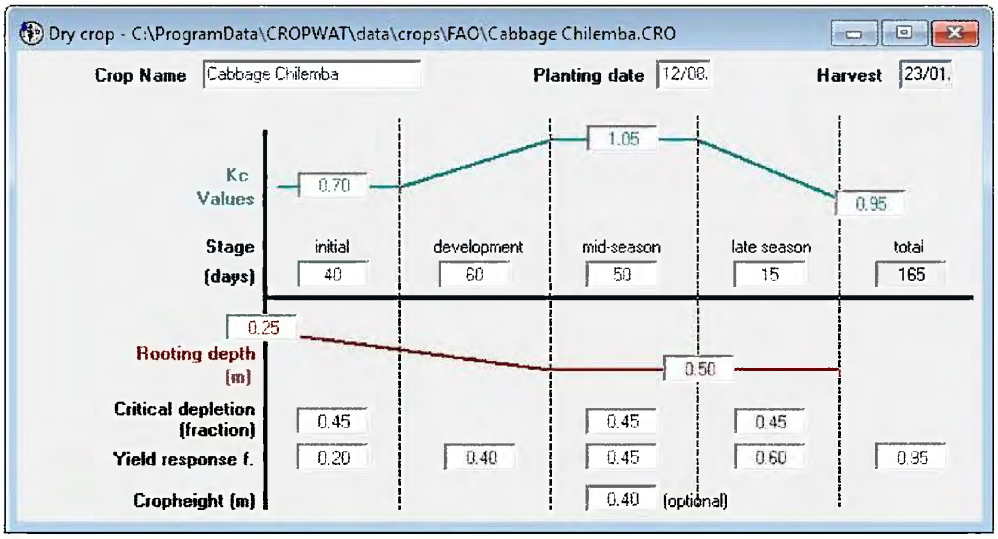
3. Chinese Cabbage



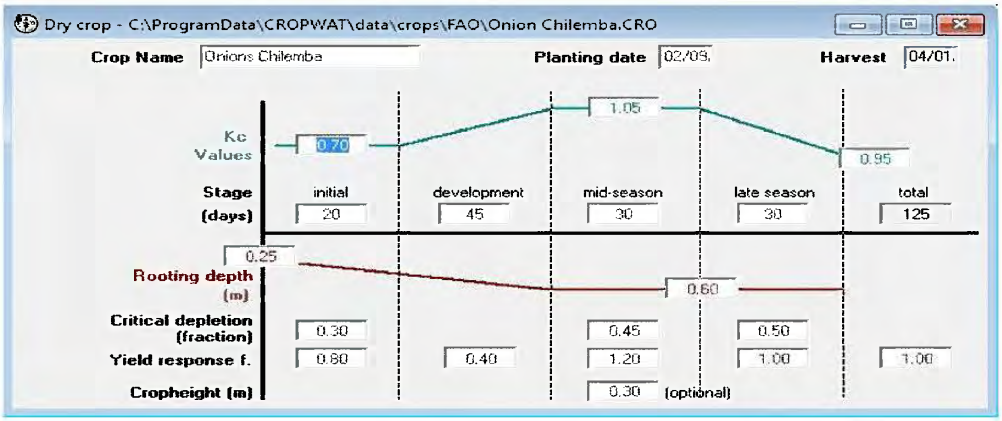
4. Tomato



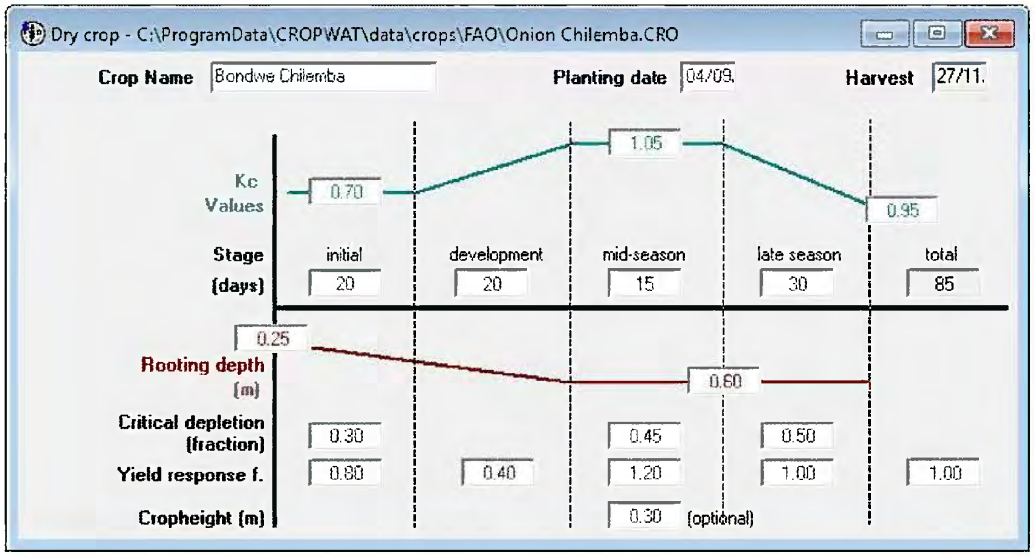
5. Cabbage



6. Onion



7. Bondwe



8. Rape

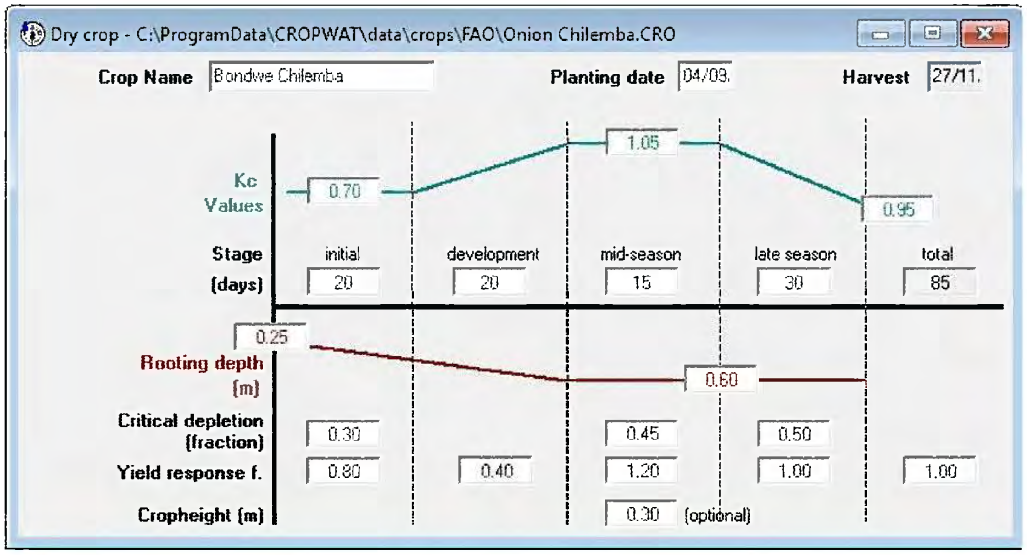


Table A1-5 Cropping pattern

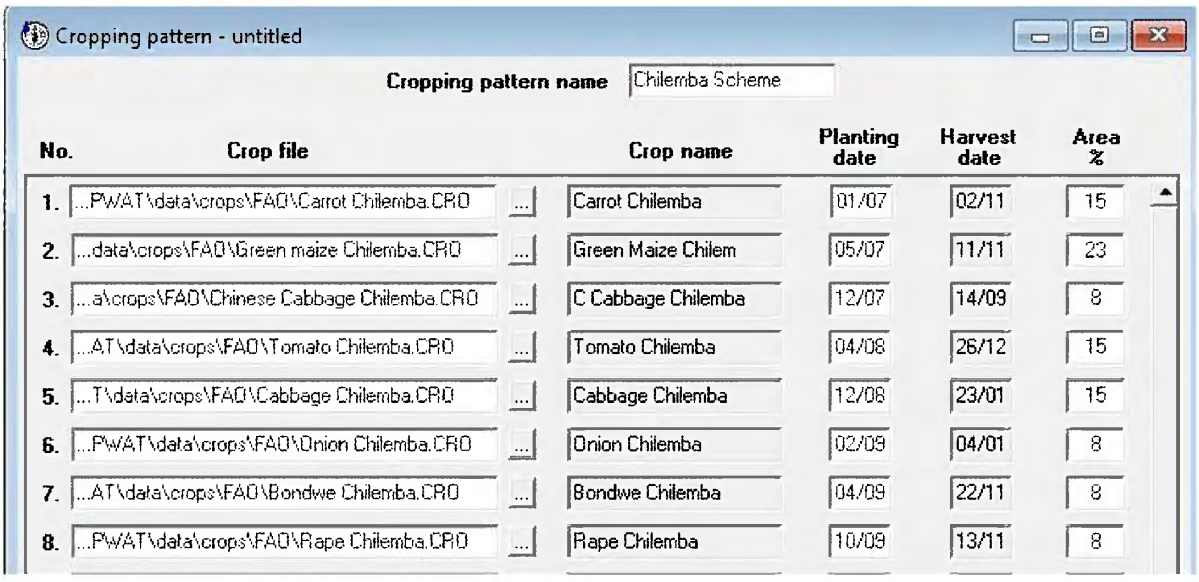


Table A1-6 Crop water requirement

Table A1 – 1-8 crop water requirement

1. Carrot

Month	Decade	Stage	Kc	ETc	ETc	Eff rain	Irr. Req.
			coeff	mm/day	mm/dec	mm/dec	mm/dec
Jul	1	Init	0.7	3.05	30.5	0.1	30.4
Jul	2	Init	0.7	3.11	31.1	0	31
Jul	3	Deve	0.75	3.55	39.1	0	39.1
Aug	1	Deve	0.84	4.22	42.2	0	42.2
Aug	2	Deve	0.92	4.92	49.2	0	49.2
Aug	3	Deve	1.01	5.7	62.7	0.2	62.5
Sep	1	Mid	1.08	6.39	63.9	0.1	63.8
Sep	2	Mid	1.08	6.74	67.4	0.2	67.2
Sep	3	Mid	1.08	6.81	68.1	2.2	65.9
Oct	1	Late	1.07	6.89	68.9	1.5	67.4
Oct	2	Late	1.03	6.77	67.7	1.9	65.8
Oct	3	Late	0.99	6.05	66.5	15.3	51.2
Nov	1	Late	0.97	5.41	10.8	6	10.8
					668.2	27.6	646.7

2. Green Maize

Month	Decade	Stage	Kc	ETc	ETc	Eff rain	Irr. Req.
			coeff	mm/day	mm/dec	mm/dec	mm/dec
Jul	1	Init	0.3	1.31	7.8	0	7.8
Jul	2	Init	0.3	1.33	13.3	0	13.3
Jul	3	Deve	0.37	1.75	19.2	0	19.2
Aug	1	Deve	0.64	3.21	32.1	0	32.1
Aug	2	Deve	0.91	4.85	48.5	0	48.5
Aug	3	Mid	1.18	6.64	73.1	0.2	72.9
Sep	1	Mid	1.25	7.41	74.1	0.1	74
Sep	2	Mid	1.25	7.79	77.9	0.2	77.7
Sep	3	Mid	1.25	7.88	78.8	2.2	76.6
Oct	1	Mid	1.25	8.05	80.5	1.5	79
Oct	2	Late	1.14	7.47	74.7	1.9	72.9
Oct	3	Late	0.83	5.04	55.5	15.3	40.2
Nov	1	Late	0.51	2.87	28.7	30.2	0
Nov	2	Late	0.35	1.8	1.8	4.2	1.8
					666.2	55.9	615.9

3. Chinese Cabbage

Month	Decade	Stage	Kc	ETc	ETc	Eff rain	Irr. Req.
			coeff	mm/day	mm/dec	mm/dec	mm/dec
Jul	2	Init	0.7	3.11	28	0	27.9
Jul	3	Deve	0.73	3.48	38.3	0	38.2
Aug	1	Deve	0.97	4.87	48.7	0	48.7
Aug	2	Mid	1.08	5.77	57.7	0	57.7
Aug	3	Late	1.08	6.1	67.1	0.2	66.9
Sep	1	Late	1.04	6.17	61.7	0.2	61.5
Sep	2	Late	0.99	6.18	24.7	0.1	24.6
					326.2	0.6	325.6

4. Tomato

Month	Decade	Stage	Kc coeff	ETc mm/day	ETc mm/dec	Eff rain mm/dec	Irr. Req. mm/dec
Aug	1	Init	0.6	3.02	21.2	0	21.1
Aug	2	Init	0.6	3.2	32	0	32
Aug	3	Init	0.6	3.38	37.2	0.2	37
Sep	1	Deve	0.65	3.87	38.7	0.2	38.5
Sep	2	Deve	0.79	4.93	49.3	0.2	49
Sep	3	Deve	0.93	5.86	58.6	2.7	56
Oct	1	Deve	1.07	6.89	68.9	2.9	66
Oct	2	Mid	1.16	7.58	75.8	3.9	72
Oct	3	Mid	1.16	7.05	77.5	15.7	61.8
Nov	1	Mid	1.16	6.46	64.6	30.6	34
Nov	2	Mid	1.16	5.95	59.5	42.2	17.3
Nov	3	Late	1.14	5.52	55.2	45.3	9.9
Dec	1	Late	1.04	4.67	46.7	48.6	0
Dec	2	Late	0.91	3.81	38.1	53.2	0
Dec	3	Late	0.81	3.28	19.7	28.7	0
					743.1	**274.5**	**494.6**

5. Cabbage

Month	Decade	Stage	Kc coeff	ETc mm/day	ETc mm/dec	Eff rain mm/dec	Irr. Req. mm/dec
Aug	2	Init	0.7	3.74	33.6	0	33.6
Aug	3	Init	0.7	3.95	43.4	0.2	43.2
Sep	1	Init	0.7	4.16	41.6	0.2	41.4
Sep	2	Init	0.7	4.38	43.8	0.2	43.5
Sep	3	Deve	0.73	4.62	46.2	2.7	43.5
Oct	1	Deve	0.79	5.07	50.7	2.9	47.8
Oct	2	Deve	0.84	5.52	55.2	3.9	51.3
Oct	3	Deve	0.9	5.48	60.2	15.7	44.5
Nov	1	Deve	0.96	5.34	53.4	30.6	22.8
Nov	2	Mid	1.01	5.21	52.1	42.2	9.9
Nov	3	Mid	1.03	4.98	49.8	45.3	4.5
Dec	1	Mid	1.03	4.65	46.5	48.6	0
Dec	2	Mid	1.03	4.32	43.2	53.2	0
Dec	3	Mid	1.03	4.18	45.9	52.6	0
Jan	1	Late	1.03	4.02	40.2	51.4	0
Jan	2	Late	0.98	3.69	36.9	51.3	0
Jan	3	Late	0.93	**3.53**	**10.6**	**13.8**	**0**
					753.4	**414.9**	**386.1**

6. Onion

Month	Decade	Stage	Kc coeff	ETc mm/day	ETc mm/dec	Eff rain mm/dec	Irr. Req. mm/dec
Sep	1	Init	0.7	4.16	37.5	0.2	37.3
Sep	2	Init	0.7	4.38	43.8	0.2	43.5
Sep	3	Deve	0.73	4.64	46.4	2.7	43.8
Oct	1	Deve	0.81	5.24	52.4	2.9	49.4
Oct	2	Deve	0.89	5.82	58.2	3.9	54.3
Oct	3	Deve	0.97	5.89	64.8	15.7	49.1
Nov	1	Mid	1.04	5.78	57.8	30.6	27.2
Nov	2	Mid	1.04	5.37	53.7	42.2	11.5
Nov	3	Mid	1.04	5.03	50.3	45.3	5
Dec	1	Late	1.04	4.68	46.8	48.6	0
Dec	2	Late	1	4.2	42	53.2	0
Dec	3	Late	0.96	3.9	42.9	52.6	0
Jan	1	Late	0.94	3.66	14.6	20.6	0
					611.1	**318.7**	**321.1**

7. Amaranthus Hybridas (Bondwe)

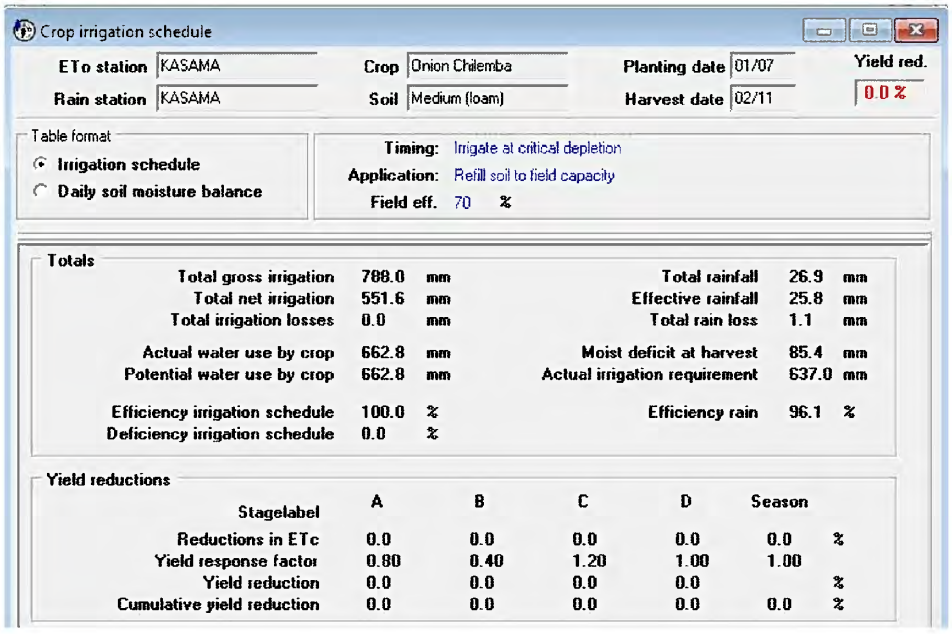
Month	Decade	Stage	Kc coeff	ETc mm/day	ETc mm/dec	Eff rain mm/dec	Irr. Req. mm/dec
Sep	1	Init	0.7	4.16	29.1	0.1	29
Sep	2	Deve	0.7	4.4	44	0.2	43.7
Sep	3	Deve	0.79	5	50	2.7	47.4
Oct	1	Deve	0.91	5.9	59	2.9	56.1
Oct	2	Mid	1.03	6.77	67.7	3.9	63.8
Oct	3	Mid	1.07	6.49	71.4	15.7	55.7
Nov	1	Late	1.04	5.83	58.3	30.6	27.7
Nov	2	Late	0.99	5.07	50.7	42.2	8.5
Nov	3	Late	0.95	4.58	9.2	9.1	9.2
					439.4	**107.4**	**341.1**

8. Rape

Month	Decade	Stage	Kc coeff	ETc mm/day	ETc mm/dec	Eff rain mm/dec	Irr. Req. mm/dec
Sep	1	Init	0.7	4.16	4.2	0	4.2
Sep	2	Init	0.7	4.38	43.8	0.2	43.5
Sep	3	Deve	0.75	4.75	47.5	2.7	44.9
Oct	1	Mid	0.98	6.33	63.3	2.9	60.4
Oct	2	Mid	1.07	7.01	70.1	3.9	66.3
Oct	3	Late	1.07	6.5	71.5	15.7	55.7
Nov	1	Late	1.01	5.63	56.3	30.6	25.7
Nov	2	Late	0.96	4.92	14.8	12.7	0
					371.5	68.7	300.7

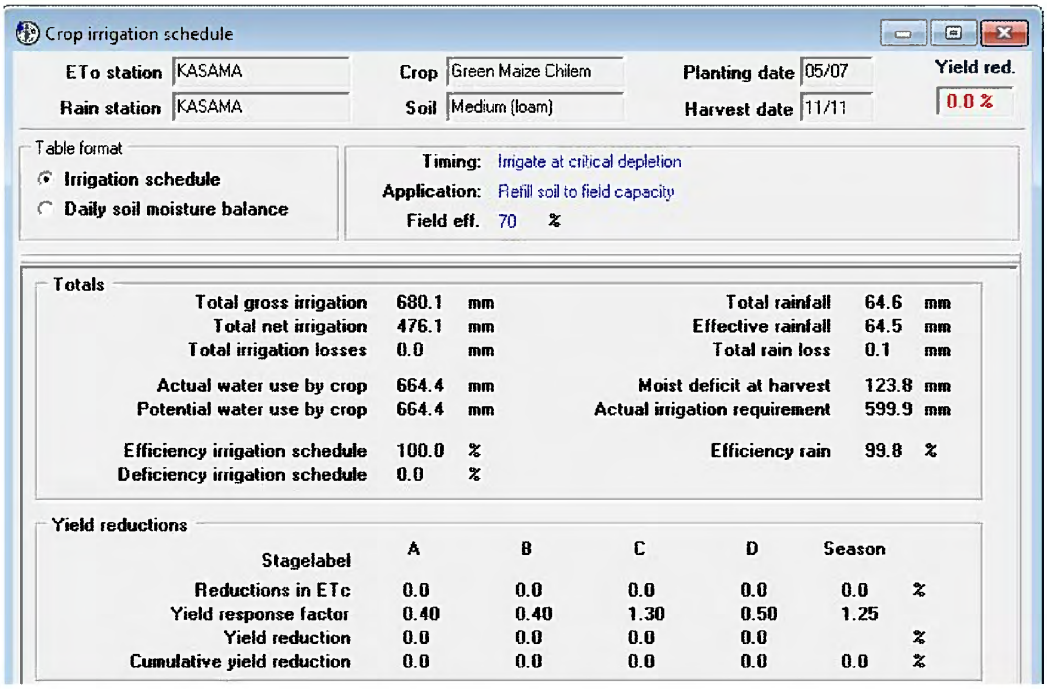
Table A1-7 Crop irrigation schedule

1. Carrot



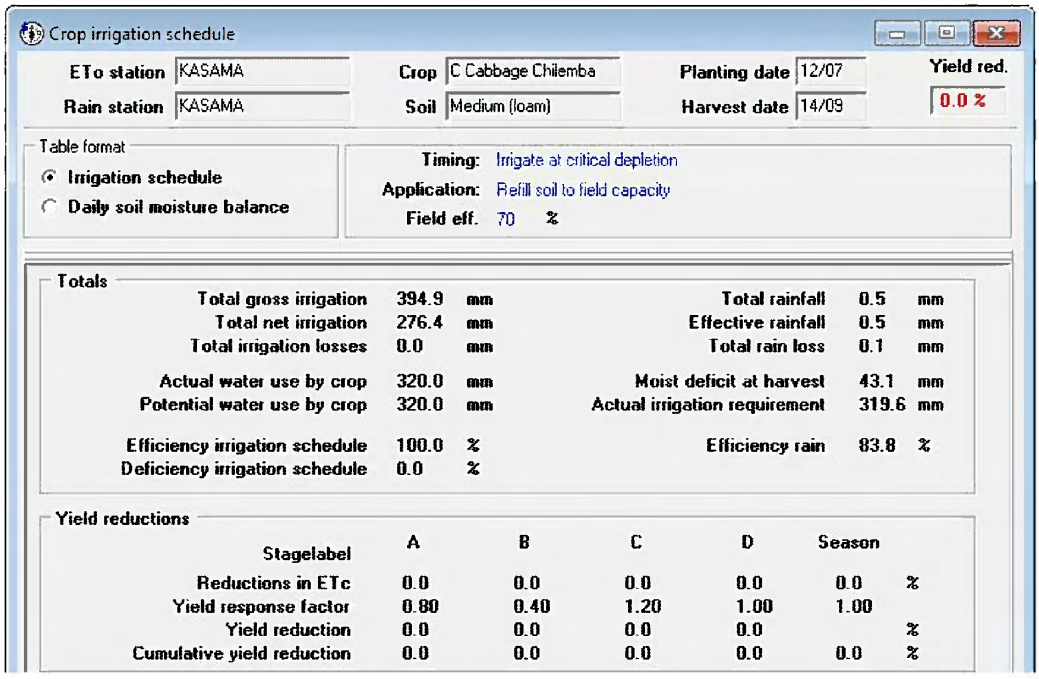
Date	Day	Stage	Rain mm	Ks fract.	Eta %	Depl %	Net Irr mm	Deficit mm	Loss mm	Gr. Irr mm	Flow l/s/ha
09-Jul	9	Init	0	1	100	32	27.4	0	0	39.1	0.5
19-Jul	19	Init	0	1	100	30	31	0	0	44.2	0.51
31-Jul	31	Dev	0	1	100	35	42.2	0	0	60.2	0.58
13-Aug	44	Dev	0	1	100	40	57	0	0	81.4	0.72
26-Aug	57	Dev	0	1	100	42	68.6	0	0	97.9	0.87
08-Sep	70	Mid	0	1	100	46	79.5	0	0	113.6	1.01
20-Sep	82	Mid	0	1	100	46	80	0	0	114.2	1.1
02-Oct	94	Mid	0	1	100	46	79.2	0	0	113.1	1.09
15-Oct	107	End	0	1	100	50	86.9	0	0	124.1	1.1
02-Nov	End	End	0	1	0	49					

2. Green Maize



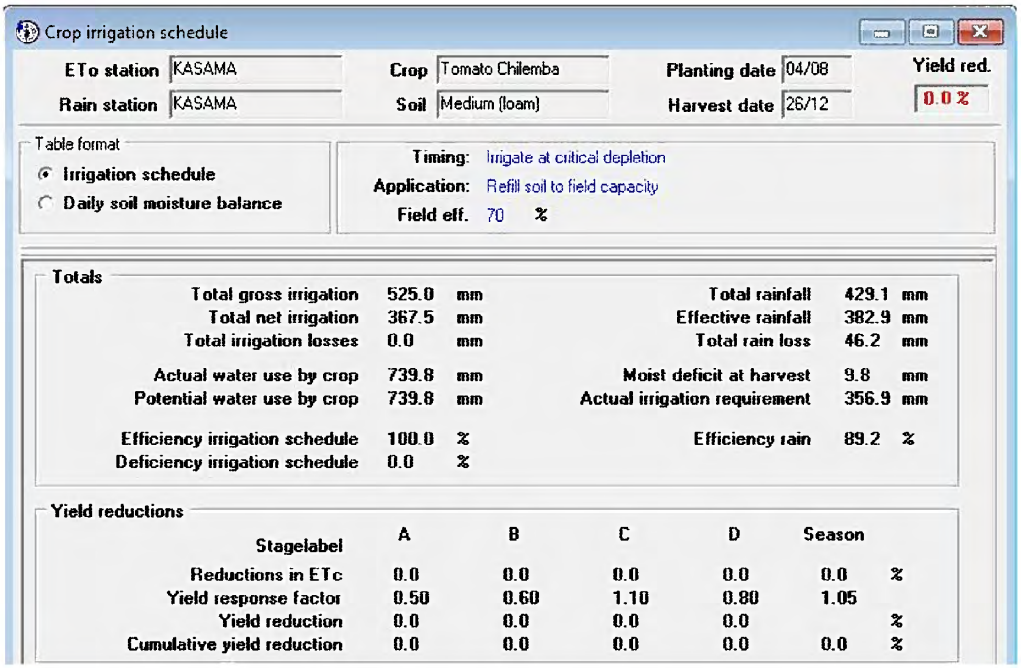
Date	Day	Stage	Rain	Ks	Eta	Depl	Net Irr	Deficit	Loss	Gr. Irr	Flow
			mm	fract.	%	%	mm	mm	mm	mm	l/s/ha
25-Aug	52	Dev	0	1	100	55	154	0	0	220	0.49
16-Sep	74	Mid	0	1	100	55	160.4	0	0	229.1	1.21
07-Oct	95	Mid	1	1	100	56	161.7	0	0	231	1.27
11-Nov	End	End	0	1	0	43					

3. Chinese Cabbage



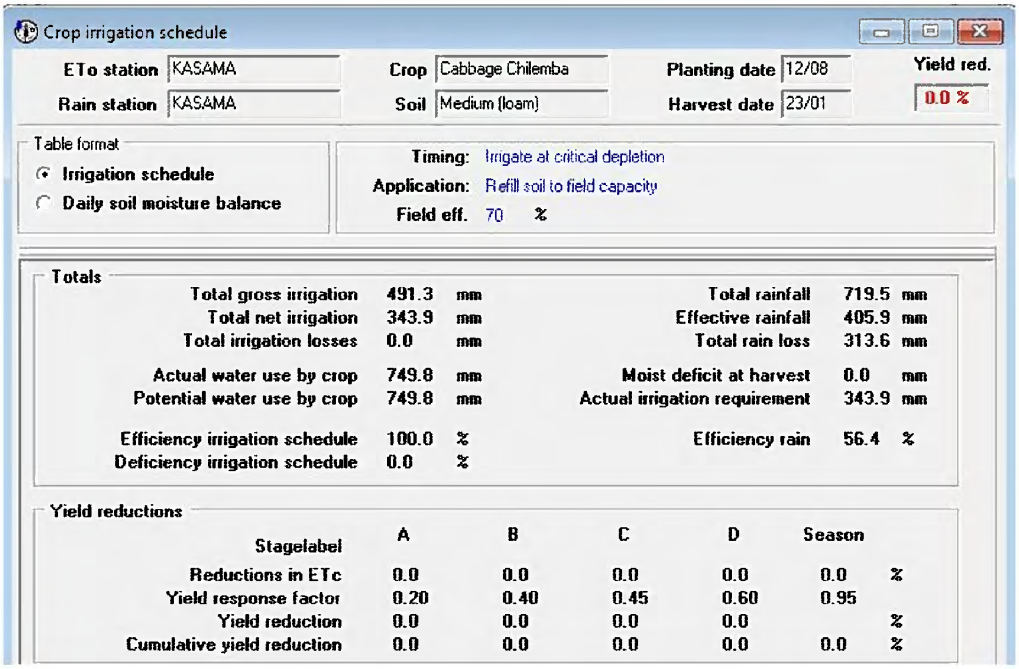
Date	Day	Stage	Rain	Ks	Eta	Depl	Net Irr	Deficit	Loss	Gr. Irr	Flow
			mm	fract.	%	%	mm	mm	mm	mm	l/s/ha
22-Jul	11	Init	0	1	100	32	34.9	0	0	49.8	0.52
09-Aug	29	Dev	0	1	100	44	75.1	0	0	107.3	0.69
23-Aug	43	Mid	0.1	1	100	46	80.8	0	0	115.4	0.95
06-Sep	57	End	0	1	100	49	85.6	0	0	122.3	1.01
14-Sep	End	End	0.1	1	100	25					

4. Tomato



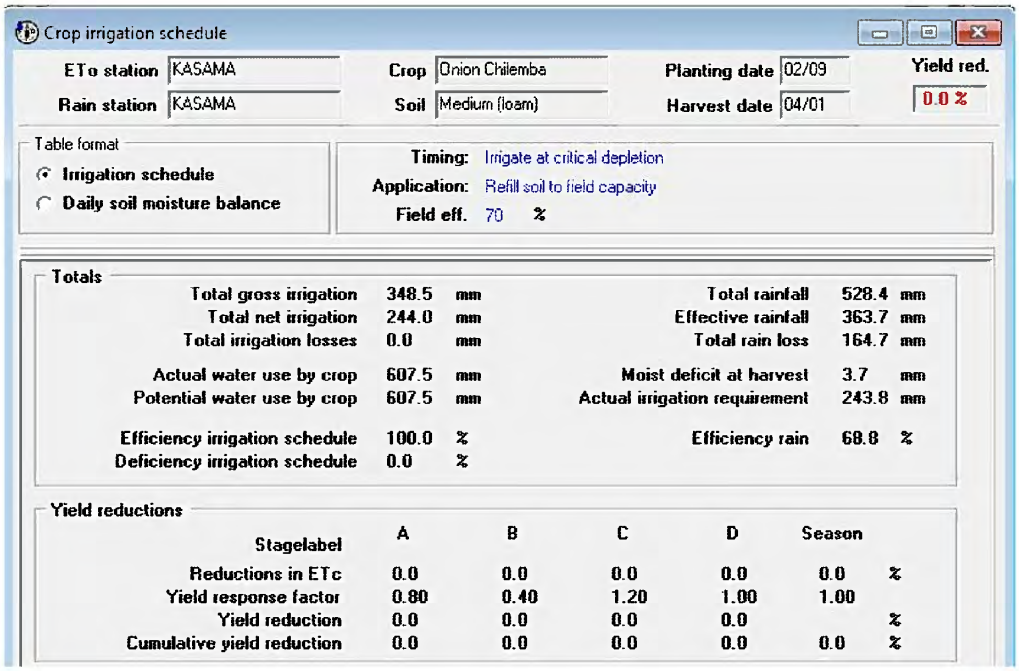
Date	Day	Stage	Rain mm	Ks fract.	Eta %	Depl %	Net Irr mm	Deficit mm	Loss mm	Gr. Irr mm	Flow l/s/ha
14-Aug	11	Init	0	1	100	32	33.9	0	0	48.5	0.51
28-Aug	25	Init	0	1	100	31	46.1	0	0	65.8	0.54
14-Sep	42	Dev	0	1	100	34	68.3	0	0	97.5	0.66
02-Oct	60	Dev	0	1	100	38	99.1	0	0	141.6	0.91
19-Oct	77	Mid	0	1	100	41	120	0	0	171.5	1.17

5. Cabbage



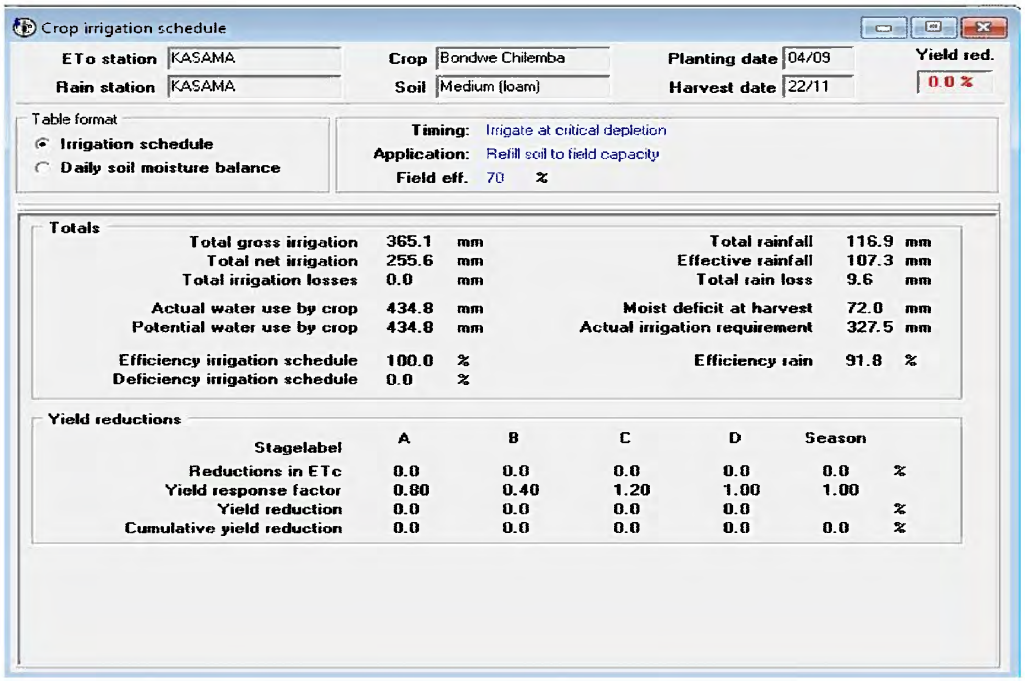
Date	Day	Stage	Rain mm	Ks fract.	Eta %	Depl %	Net Irr mm	Deficit mm	Loss mm	Gr. Irr mm	Flow l/s/ha
21-Aug	10	Init	0	1	100	47	37.6	0	0	53.7	0.62
31-Aug	20	Init	0	1	100	45	39.3	0	0	56.1	0.65
11-Sep	31	Init	0	1	100	48	45.9	0	0	65.5	0.69
22-Sep	42	Dev	0	1	100	47	48.4	0	0	69.2	0.73
04-Oct	54	Dev	0	1	100	49	54.9	0	0	78.5	0.76
15-Oct	65	Dev	0	1	100	47	55.9	0	0	79.9	0.84
30-Oct	80	Dev	0	1	100	48	62	0	0	88.6	0.68
23-Jan	End	End	0	1	0	0					

6. Onion



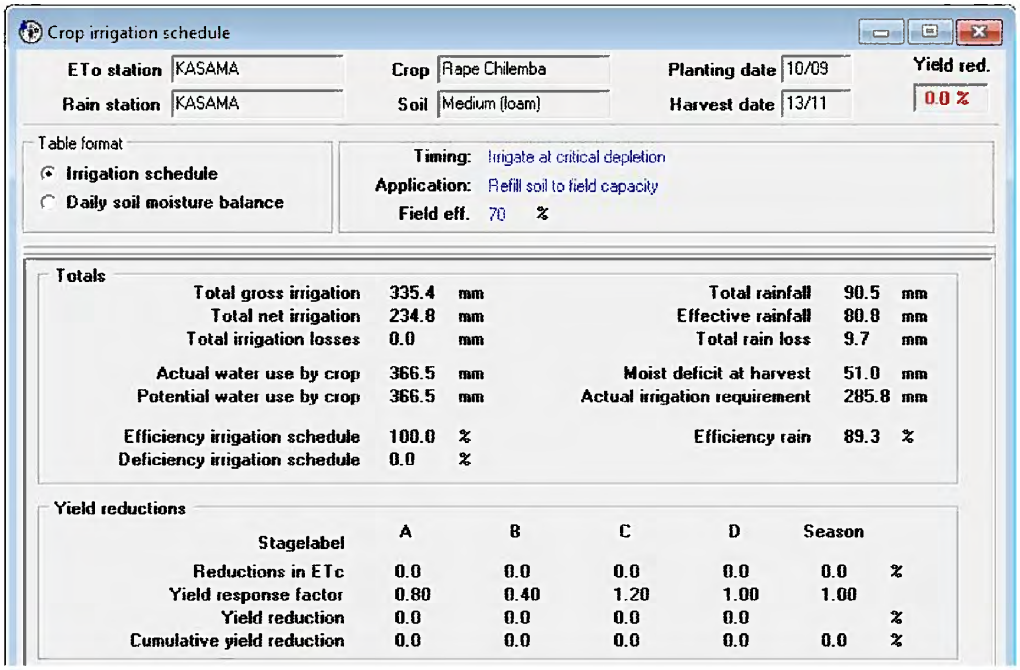
Date	Day	Stage	Rain mm	Ks fract.	Eta %	Depl %	Net Irr mm	Deficit mm	Loss mm	Gr. Irr mm	Flow l/s/ha
07-Sep	6	Init	0.1	1	100	30	24.8	0	0	35.5	0.68
14-Sep	13	Init	0	1	100	32	29.9	0	0	42.7	0.71
22-Sep	21	Dev	0	1	100	34	35.4	0	0	50.6	0.73
01-Oct	30	Dev	0	1	100	34	41	0	0	58.6	0.75
11-Oct	40	Dev	0	1	100	38	51	0	0	72.9	0.84
22-Oct	51	Dev	0	1	100	41	61.8	0	0	88.3	0.93
04-Jan	End	End	0	1	100	2					

7. Bondwe

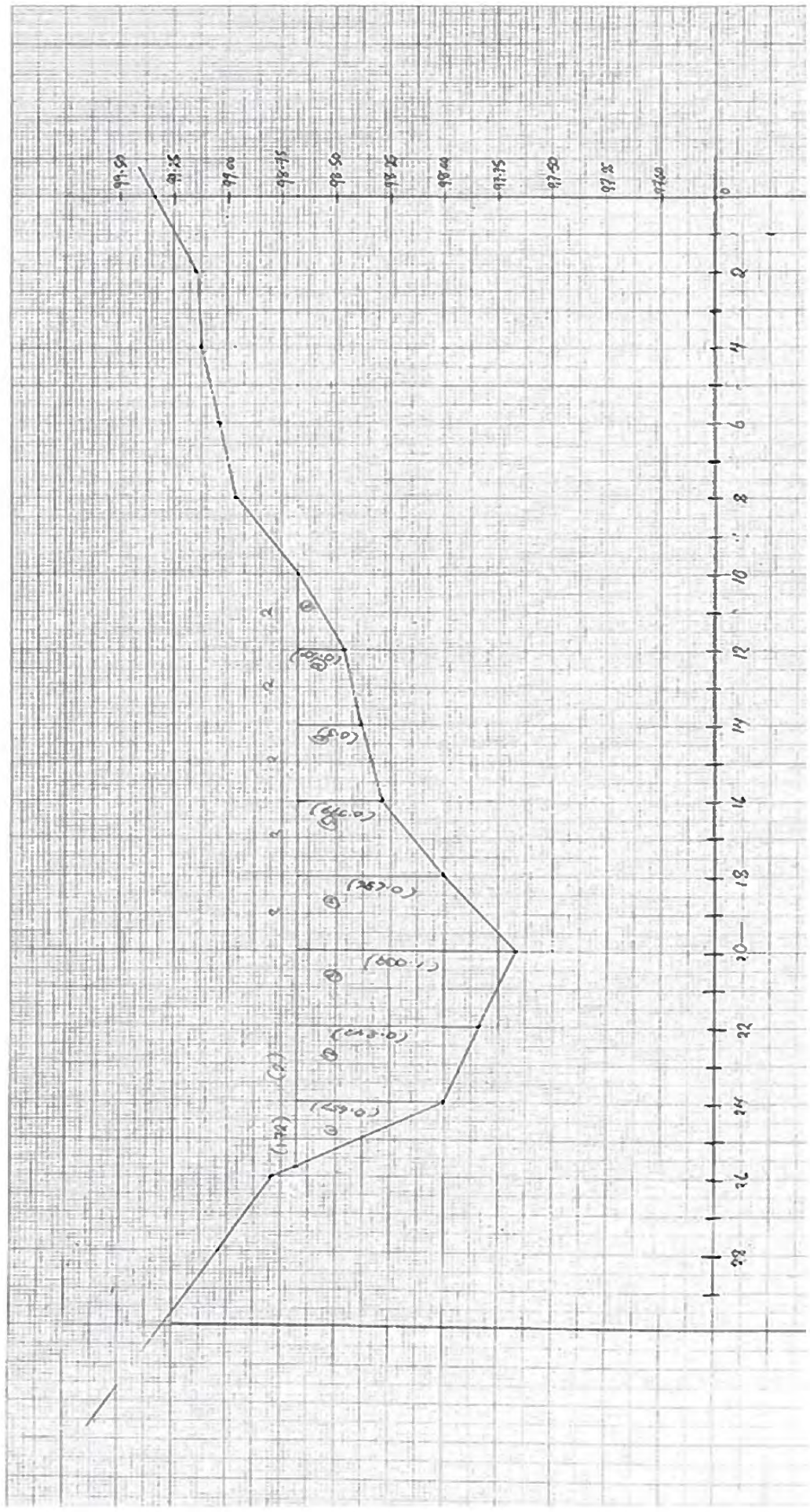


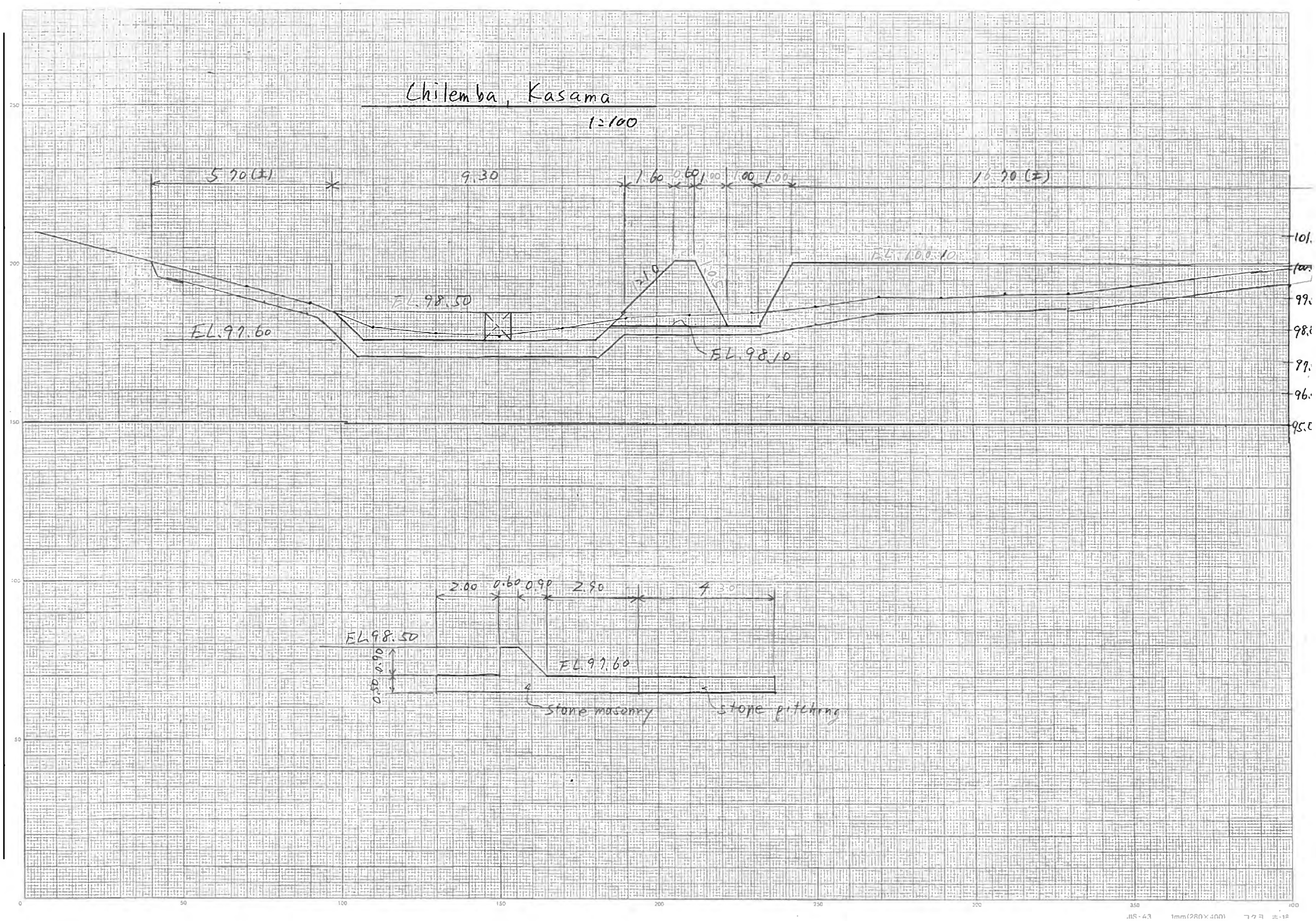
Date	Day	Stage	Rain mm	Ks fract.	Eta %	Depl %	Net Irr mm	Deficit mm	Loss mm	Gr. Irr mm	Flow l/s/ha
10-Sep	7	Init	0	1	100	33	29.1	0	0	41.5	0.69
18-Sep	15	Init	0	1	100	33	35	0	0	50	0.72
28-Sep	25	Dev	0	1	100	36	46.1	0	0	65.9	0.76
10-Oct	37	Dev	0	1	100	43	67.1	0	0	95.8	0.92
22-Oct	49	Mid	0	1	100	45	78.3	0	0	111.9	1.08
22-Nov	End	End	0	1	100	41					

8. Rape



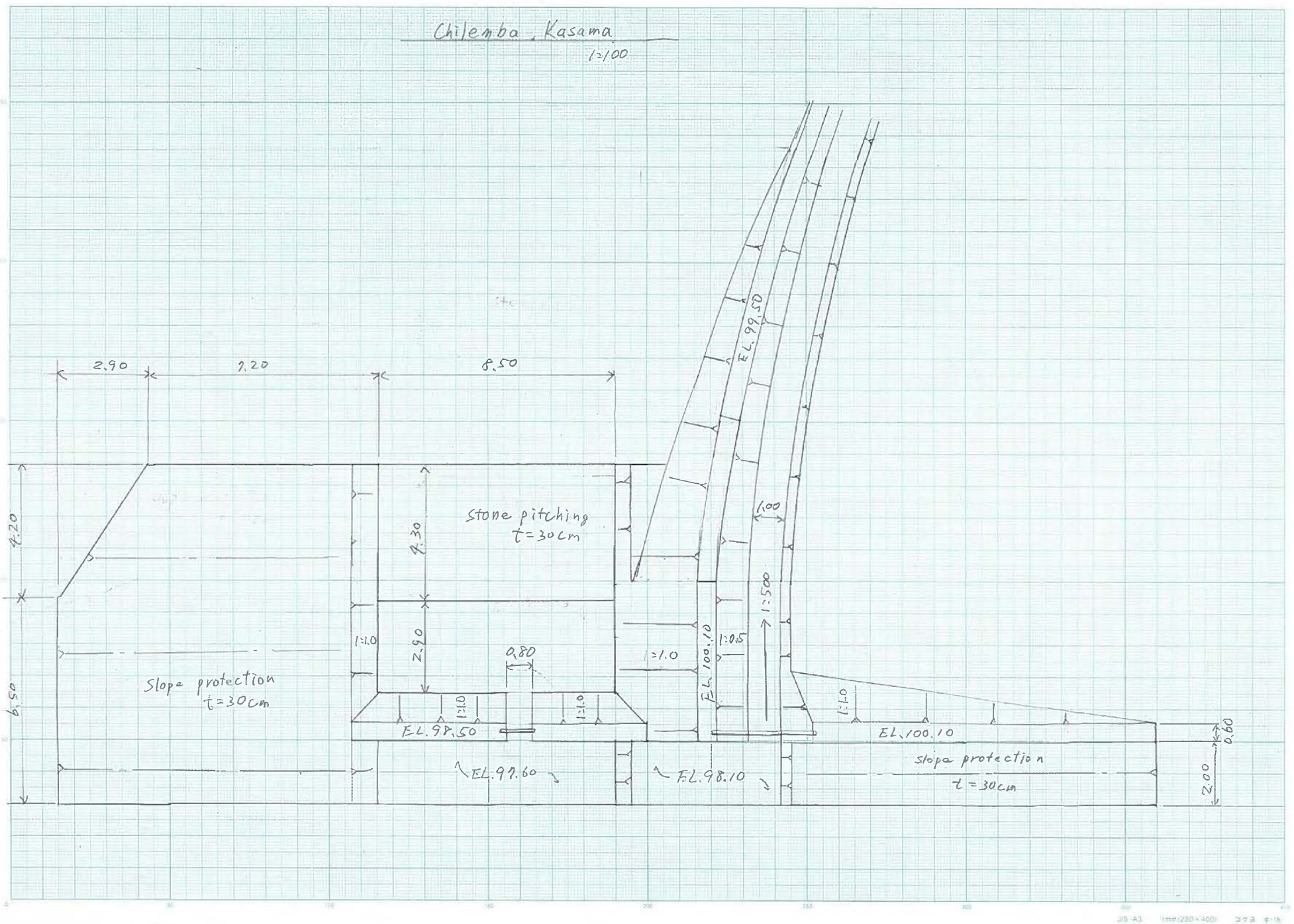
Date	Day	Stage	Rain mm	Ks fract.	Eta %	Depl %	Net Irr mm	Deficit mm	Loss mm	Gr. Irr mm	Flow l/s/ha
16-Sep	7	Init	0	1	100	32	30.3	0	0	43.3	0.72
25-Sep	16	Dev	0	1	100	32	39.9	0	0	57	0.73
10-Oct	31	Mid	0	1	100	48	83.8	0	0	119.7	0.92
22-Oct	43	Mid	0	1	100	46	80.8	0	0	115.4	1.11
13-Nov	End	End	18.9	1	100	29					





Chilemba, Kasama
1:100
5.70(±)
9.30
1.60
0.60
1.00
1.00
1.00
16.70(±)
EL.100.10
EL.98.50
EL.97.60
EL.98.10
2.00
0.60
0.90
2.90
4.30
EL98.50
EL.97.60
0.90
0.50
stone masonry
stone pitching

AP-I-E-28


Chilemba, Kasama
1:100
2.90
7.20
8.50
4.20
6.50
4.30
2.90
1:1.0
0.80
1:1.0
1:1.0
1:1.0
stone pitching
t=30cm
Slope protection
t=30cm
EL. 98.50
EL. 97.60
EL. 98.10
EL. 99.50
EL. 100.10
1:0.5
1:500
1.00
1:1.0
EL. 100.10
slope protection
t=30cm
0.60
2.00

Site Name　Chilemba, Kasama District

No.	Item	Specifoicati on/Quality	calculation	Amount	Unit	Remarks
1	Stone Masonry					
1-1	Apron		6.5 x 0.5 x 8 =	26	m^3	
1-2	Spillway		(0.6 + 1.5) / 2 x 0.9 x ((9 +7.3) /2 -0.8) =	6.95	m^3	
1-3	Left slope			30.59	m^3	
			6.5 x 10.1 x 0.3 =	19.70	m^3	
			(10.1 + 7.2) / 2 x 4.2 x 0.3 =	10.90	m^3	
1-4	Right Upstream		(4.3 + 4+ 3.5 + 2 + 7.3) x 2.0 x 0.3 =	12.66	m^3	
		t = 30cm				
1-5	Right canal			57.65	m^3	
		left slope	0.6 x 7.2 x 0.3 =	1.30	m^3	
		Bottom	1.5 x 0.3 x 20 =	9.00	m^3	
		left wall	(0.6 + 3.3) / 2 x 1.8 = 3.51 m2			
			(0.6 + 2.3) / 2 x 1.2 = 1.74 m2			
			(0.6 + 1.2) / 2 x 0.5 = 0.45 m2			
			3.51 x 5 + (3.51 +1.7) / 2 x 5+ (1.74 + 0.45) / 2 x 10 =	41.625	m^3	
		right wall	(1.9 x 5 + (1.9 + 1.3) / 2 x 5 + (1.3 + 0.7) / 2 x 10) x 0.2 =	5.5	m^3	
			(0.6 + 1.2) / 2 x 0.5 x 0.5 =	0.225	m^3	
1-6	canal lining	100m	1.9 x 0.2 x 100 =	38.00		
	Stone Masonry Total			171.85	m^3	

Site Name Kalashi, Mporokoso

No.	Item	Specifoication/Quality	calculation	Amount	Unit	Remarks
	Stone Masonry Total			198.84	m^3	
2	Excavation			312.90	m^3	
2-1	Apron		(0.7 + 1.8) / 2 x 1.1 = 1.375 m2, (1.8 + 1.0) / 2 x 4.6 = 6.44 m2			
			(1.0 + 0.5) /2 x 2.0 = 1.5 m2, (0.5 + 1.7) / 2 x 2.1 = 2.31 m2			
			(1.7 + 0.5) / 2 x 1.7 = 1.87 m2			
			(1.375 + 6.44 + 1.5 + 2.31 + 1.87) x 13.3 =	179.48	m^3	
2-2	Left side abut		(1.1 + 2.3) / 2 x 11 x 0.5 =	9.35	m^3	
2-3	Left side upstream		(0.3 + 1.1) / 2 x 0.4 = 0.28 m2, (1.1 + 0.6) / 2 x 4.5 = 3.825 m2,			
			2.0 x 11.3 x 0.3 + (0.28 + 3.825) x 2.5 =	17.0425	m^3	
2-4	Left side canal		(0.28 + 3.825) / 2 x 20 =	41.05	m^3	
2-5	Right side slope					
			(7.3 + 12.3) / 2 x 7.2 x 0.3 =	21.17	m^3	
			12.3 x 5.8 x 0.3 =	21.40	m^3	
2-6	River Diversion		(1.0 + 1.6) / 2 x 0.6 x 30 =	23.40	m^3	

Site Name　Chilemba, Kasama District

No.	Item	Specifoication/Quality	calculation	Amount	Unit	Remarks
2	Excavation			169.00	m^3	
2-1	Apron		(1.2 + 0.4) / 2 x 2 = 1.6 m2, (0.4 + 0.2) / 2 x 2 = 0.6 m2			
			(0.2 + 0.1) / 2 x 2 = 0.3 m2, (0.1 + 0.4) / 2 x 2= 0.5 m2			
			(1.6 + 0.3 + 0.6 + 0.5 + 1.05) x 10.7 =	43.335	m^3	
2-2	Left side		(7.2 + 10.1) / 2 x 4.2 x 0.3 + (6.5*10.1*0.3)=30.594m3	30.594	m^3	
2-3	Right side canal					
			(0.3 + 0.4) / 2 x 2 = 0.7 m2, (0.4 + 0.5) / 2 x 2 = 0.9 m2			
			0.7 x 10 + (0.7 + 0.9) / 2 x 10 =	15	m^3	
			3.7 x 0.5 x 2 + 3.6 x 0.3 x 2 + 9.4 x 0.3 x 2 =	11.5	m^3	
			1.6 / 2 x 0.3 x10=	2.4	m^3	
2-4	Right side upstream					
			(0.9 + 11.5) / 2 x 2= 12.4 m2, (11.5 + 0.3) /2 x 0.9 = 5.31 m2			
			0.5 x 0.6 = 0.3 m2			
			(11.5 + 5.31 + 0.3) x 2.5 =	42.775	m^3	
2-5	River Diversion		(1.0 + 1.6) / 2 x 0.6 x 30 =	23.40	m^3	

Site Name Chilemba, Kasama District

No.	Item	Specifoication/Quality	calculation	Amount	Unit	Remarks
3	Back filling	river diversion		23.40	m^3	
4	Stone Pitching	t=30cm	8.5 x 4.3 x 0.3 =	10.97	m^3	
5	Stoplog					
	Plank	t=25mm	(0.7 + 2.9) / 2 x 2.2 + 0.9 x 0.9	4.77	m2	
	Timber	50 x 50	(0.7 + 2.9) / 2 x 4 + 2.3 x 2 + 0.9 x 2 + 0.9 x 2	15.4	m	
	Stone Masonry			171.85	m^3	
	Rubble Stone			196.56	m^3	
	Mortar			94.52	m^3	
	Sand			85.06	m^3	
	Cement			850.64	bag	

Quantity　　Site Name　Chilemba, Kasama District

No.	Item	Specification/Quality	Quantity	Unit			Remarks
1	Excavation		169.0	m^3			
1-1	Apron		43.3	m^3			
1-2	Left side		30.6	m^3			
1-3	Right side canal		28.9	m^3			
1-4	Right side upstream		42.8	m^3			
1-5	River Diversion		23.4	m^3			
2	Stone masonry		171.8	m^3			
2-1	Apron		26.0	m^3			
2-2	Spillway		6.9	m^3			
2-3	Left slope		30.6	m^3			
2-4	Right Upstream		12.7	m^3			
2-5	Right canal		57.6	m^3			
2-6	canal lining		38.0	m^3			
3	Back filling						
3-1	river diversion	river diversi	23.4	m^3			
4	Stone Pitching						
	Stone Pitching		11.0	m^3			
	Rubble stone		196.6	m^3			
	Mortar		94.5	m^3			
	Sand		85.1	m^3			
	Cement		851.0	bags			
	Stoplog	Plank	4.8	m2			t=25mm
		Timber 50x50	15.4	m			

Manpower　　Site Name　Chilemba, Kasama District

No.	Item	Specification/Quality	Quantity	Unit			Remarks
	Work Period						
	Site clearing	unskilled labor			50.0	man・day	
	Gathering stones	unskilled labor	196.6	m^3	294.8	man・day	15man/10m^3
	Gathering sand	unskilled labor	85.1	m^3	42.5	man・day	5.0man/10m^3
1	Excavation		169.0	m^3	131.8	man・day	7.8man/10m^3
1-1	Apron		43.3	m^3	33.8	man・day	
1-2	Left side		30.6	m^3	23.9	man・day	
1-3	Right side canal		28.9	m^3	22.5	man・day	
1-4	Right side upstream		42.8	m^3	33.4	man・day	
1-5	River Diversion		23.4	m^3	18.3	man・day	
2	Stone masonry		171.8	m^3			
2-1	Apron		26.0	m^3			
		unskilled labor			93.6	man・day	3.6man/m^3
		skilled labor			15.6	man・day	0.6man/m^3
		foreman			7.8	man・day	0.3man/m^3
2-2	Spillway		6.9	m^3			
		unskilled labor			25.0	man・day	3.6man/m^3
		skilled labor			4.2	man・day	0.6man/m^3
		foreman			2.1	man・day	0.3man/m^3
2-3	Left slope		30.6	m^3			
		unskilled labor			110.1	man・day	3.6man/m^3
		skilled labor			18.4	man・day	0.6man/m^3
		foreman			9.2	man・day	0.3man/m^3
2-4	Right Upstream		12.7	m^3			
		unskilled labor			45.6	man・day	3.6man/m^3
		skilled labor			7.6	man・day	0.6man/m^3
		foreman			3.8	man・day	0.3man/m^3
2-5	Right canal		57.6	m^3			
		unskilled labor			207.5	man・day	3.6man/m^3
		skilled labor			34.6	man・day	0.6man/m^3
		foreman			17.3	man・day	0.3man/m^3
2-6	canal lining		38.0	m^3			
		unskilled labor			136.8	man・day	3.6man/m^3
		skilled labor			22.8	man・day	0.6man/m^3
		foreman			11.4	man・day	0.3man/m^3
3	Back filling						
3-1	river diversion		23.4	m^3	17.8	man・day	7.6man/10m^3
4	Stone Pitching						
	Stone Pitching	unskilled labor	11.0	m^3	21.9	man・day	2.0man/m^3
	Total						
	excavation	unskilled labor	169.0	m^3	131.8	man・day	7.8man/10m^3
	Stone masonry	unskilled labor	171.8	m^3	618.6	man・day	3.6man/m^3
		skilled labor	171.8	m^3	103.1	man・day	0.6man/m^3
		foreman	171.8	m^3	51.6	man・day	0.3man/m^3
	mortar work	unskilled labor	94.5	m^3	567.1	man・day	6man/m^3
	Embankment/backfillir	unskilled labor	23.4	m^3	17.8	man・day	7.6man/10m^3
	Stone Pitching	unskilled labor	11.0	m^3	21.9	man・day	2.0man/m^3
5	Transportation						
		Stones	196.6	m^3	50.0	trips	
		Sand	85.1	m^3	22.0	trips	
		Cement	851.0	bags	5.0	trips	

Work period　　Site Name　Chilemba, Kasama District

No.	Item	Specification/Quality	Quantity	unit		day	Remarks
	skilled labor						
	unskilled labor						
1	Preparation Work				16	day	
	Site clearing		50	m・d	1.7	day	30 man/day
	Accessroad, temporary yard		50	m・d	1.7	day	30 man/day
	Gathering stones		295	m・d	9.8	day	30 man/day
	Gathering sand		43	m・d	1.4	day	30 man/day
	Cofferdam		25		1.0	day	30 man/day
1	Excavation				4.8	day	
1-1	Apron		33.8	m・d	1.1	day	30 man/day
1-2	Left side		23.9	m・d	1.2	day	30 man/day
1-3	Right side canal		22.5	m・d	0.8	day	30 man/day
1-4	Right side upstream		33.4	m・d	1.1	day	30 man/day
1-5	River Diversion		18.3	m・d	0.6	day	30 man/day
2	Stone masonry		2 sets		51.6	day	
2-1	Apron						
		unskilled labor	93.6	m・d	7.8	day	12 man/day
		skilled labor	15.6	m・d	7.8	day	2 man/day
		foreman	7.8	m・d	7.8	day	1 man/day
2-2	Spillway						
		unskilled labor	25.0	m・d	2.1	day	12 man/day
		skilled labor	4.2	m・d	2.1	day	2 man/day
		foreman	2.1	m・d	2.1	day	1 man/day
2-3	Left slope						
		unskilled labor	110.1	m・d	9.2	day	12 man/day
		skilled labor	18.4	m・d	9.2	day	2 man/day
		foreman	9.2	m・d	9.2	day	1 man/day
2-4	Right Upstream						
		unskilled labor	45.6	m・d	3.8	day	12 man/day
		skilled labor	7.6	m・d	3.8	day	2 man/day
		foreman	3.8	m・d	3.8	day	1 man/day
2-5	Right canal						
		unskilled labor	207.5	m・d	17.3	day	12 man/day
		skilled labor	34.6	m・d	17.3	day	2 man/day
		foreman	17.3	m・d	17.3	day	1 man/day
2-6	canal lining						
		unskilled labor	136.8	m・d	11.4	day	12 man/day
		skilled labor	22.8	m・d	11.4	day	2 man/day
		foreman	11.4	m・d	11.4	day	1 man/day
3	Mortar mixing	unskilled labor	567.1	m・d	47.3	day	12 man/day
4	Embankment/backfilling						
4-1	river diversion	unskilled labor	17.8	m・d	0.6	day	30 man/day
5	Stone Pitching						
	Stone Pitching	unskilled labor	21.9	m・d	0.7	day	30 man/day

Labor Material and Tools Chilemba, Kasama District

Item	name	specification, quality,	quantity	unit	remarks
1-1-2	Mortar per 1m^3	1:3	0.89m^3/day/1set		
	Material				
	Cement	Ordinary Portland	8.50	bags	425kg
	Sand	River sand	0.80	m^3	1.0 x 0.8
	Material Total				
	Labor				
	Mortar mixing	unskilled labor	2.25	man	2 x 9 / 8
	Helper	unskilled labor	4.50	man	4 x 9 / 8
	Labor Total		6.75	man	
	Tools (Daily)				
	Shovel		2.00	pcs	
	Bucket	20 lit	2.00	pcs	
	Wheel barrow		1.00	pc	
	Mortar box		1.00	pc	
1-2-2	1:3 Mortar per 0.89m^3 / day/ 1 set				
	Material				
	Cement	Ordinary Portland	7.60	bags	380kg
	Sand	River sand	0.71	m^3	0.89 x 0.8
	Material Total				
	Labor				
	Mortar mixing	unskilled labor	2.00	man	
	Helper	unskilled labor	4.00	man	
	Labor Total		6.00	man	
	Tools (Daily)				
	Shovel		2.00	pcs	
	Bucket	20 lit	2.00	pcs	
	Wheel barrow		1.00	pc	
	Mortar box		1.00	pc	
5	Excavation (by hand)	per 10m^3			
	Labor				
	unskilled labor		7.80	man	
	Tools				
	Shovel		3.00	pcs	
	Pickaxe		2.00	pcs	
	Hoe		2.80	pcs	
	String		1.00	roll	
	Peg				

Item	name	specification, quality,	quantity	unit			remarks
6	Hauling excavated material per 1.0 m^3 by wheel barrow						
	Labor						
	unskilled labor	～20m	0.02	man			
	Wheel barrow	20～40m	0.06	man			
		40～60m	0.14	man			
		60～80m	0.24	man			
		80～1 00m	0.34	man			
		100～120m	0.44	man			
		120～140m	0.56	man			
		140～160m	0.66	man			
		160～180m	0.78	man			
		180～200m	0.90	man			
		one way distance					
7	Embankment (by hand) per 10m^3						
	unskilled labor		7.60	man			
	Tools						
	Shovel		2.00	pcs			
	Hoe		3.60	pcs			
	Rammer		2.00	pcs			
	String		1.00	roll			
	Peg						
8	Finishing slope (cut earth) per 100m^2						
	Labor						
	Foreman		1.40	man			
	Unskilled labor		11.80	man			
	Total labor		13.20	man			
	Tools						
	Shovel		4.00	pcs			
	Hoe		7.80	pcs			
	String		1.00	roll			
9	Finishing slope (embankment) per 100m^2						
	Labor						
	Foreman		1.60	man			
	Unskilled labor		25.80	man			
	Total labor		27.40	man			
	Tools						
	Shovel		4.00	pcs			
	Hoe		21.80	pcs			
	String		1.00	roll			

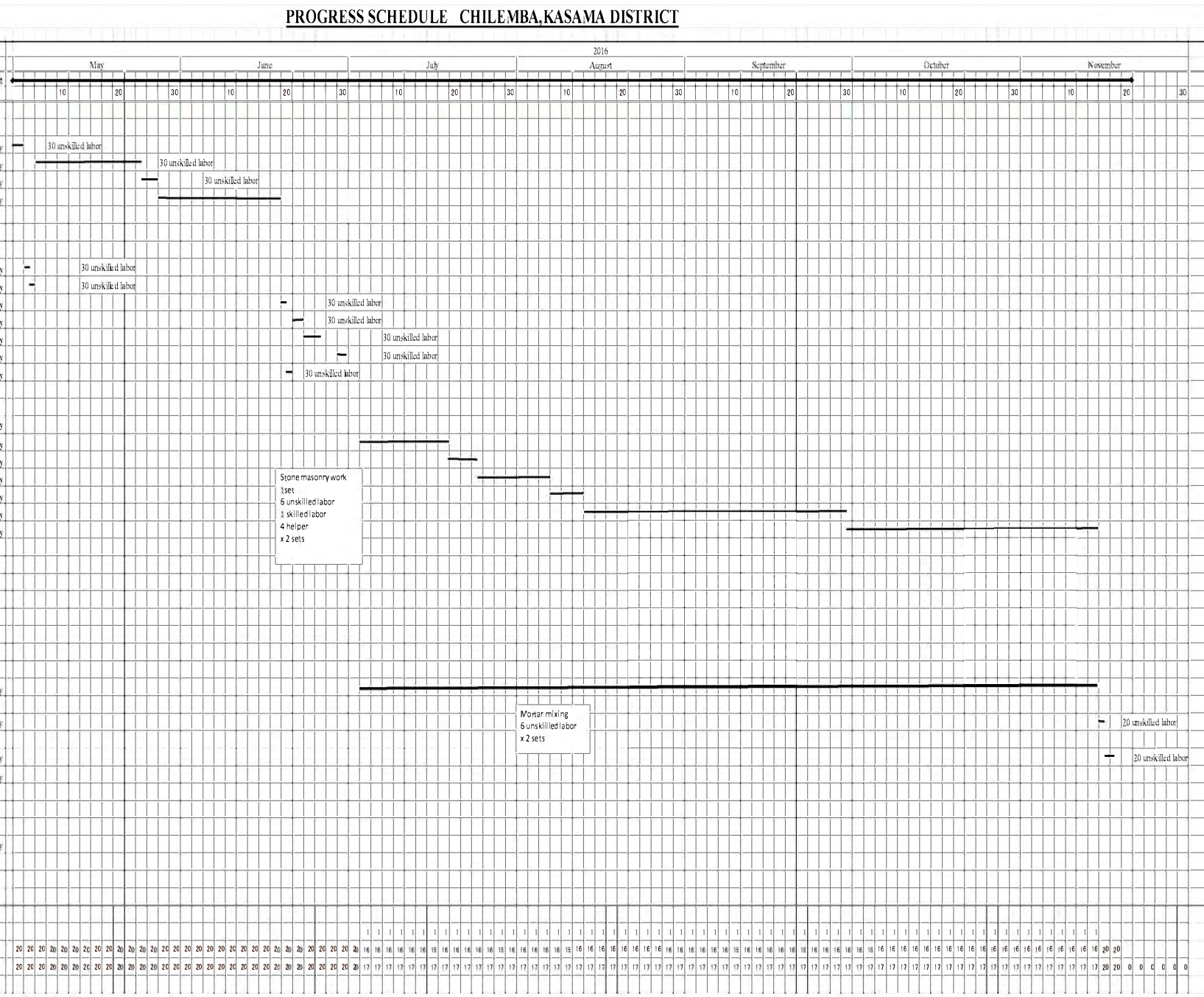
Item	name	specification, quality,	quantity	unit			remarks
10	Stone masonry	per 1m^3					
	Material						
	Rubble stone		1.08	m^ 3			
	Mortar		0.55	m^3			
	Total material						
	Labor (not include mortar mixing)						
	Foreman		0.30	man			
	Skilled labor		0.60	man			
	Unskilled labor		3.60	man			
	Total labor		4.50	man			
	Tools (Daily, not include mortar mixing)						
	Bucket	20 lit	3.00	pcs			
	Wheel barrow		3.00	pc			
	Trowel		3.00	pcs			
	Builder's level		1.00	pc			
	Measuring tape		1.00	pc			
	Peg						
13	Gathering stones	per 10m^3	distance 50m				
	Unskilled labor		15.00	man			
	Tools (daily)						
	Wheel barrow		7.00	pcs			
	14 lbs hammer		4.00	pcs			
	4 lbs hammer		2.00	pcs			
	Chisel		2.00	pcs			
14	Tractor trailer loading and unloading						
	4 m^3 / 1 trip, 4 trips / day = 12 m^3 / day						
	unskilled labor		15.00	man			
15	Fuel consumrtion						
	Tractor			lit/10km			
	Truck	6 ton		lit/10km			
	Truck	4 ton		lit/10km			
	Pickup			lit/10km			

	Tools	Site Name	Chilemba, Kasama District				
No.	Item	Specification/Quality	Quantity	Unit			Remarks
1	Mortar mixing 1set		2	set			
	Tools (Daily)						
	Shovel		2.00	pcs	4.00	pcs	
	Bucket	20 lit	4.00	pcs	8.00	pcs	
	Wheel barrow		2.00	pc	4.00	pc	
2	Stonemasonry work	1set	2.0	set			
	Tools (Daily, not include mortar mixing)						
	Bucket	20 lit	3.00	pcs	6.0	pcs	
	Wheel barrow		4.00	pc	8.0	pc	
	Trowel		3.00	pcs	6.0	pcs	
	Builder's level		1.00	pc	2.0	pc	
	Measuring tape	5m	1.00	pc	2.0	pc	
	Peg						
3	Excavation (by hand)	per 10m^3 1set	3.0	sets			
	Tools						
	Shovel		2.00	pcs	6.0	pcs	
	Pickaxe		2.00	pcs	6.0	pcs	
	Hoe		3.80	pcs	11.4	pcs	
	String		1.00	roll	1.0	roll	
	Peg						
4	Embankment (by hand)	per 10m^3 1set	2.00	sets			
	Tools						
	Shovel		2.00	pcs	4.0	pcs	
	Hoe		3.60	pcs	7.2	pcs	
	Rammer		2.00	pcs	4.0	pcs	
	String		1.00	roll	1.0	roll	
	Whellbarrow		3.00	pcs	6.0	pcs	
	TOTAL REQUIRED TOOLS						
	Shovel				6.0		
	Pickaxe				6.0		
	Backet				12.0		
	Whellbarrow				12.0		
	String				1.0		
	Trowel				6.0		
	Builders level				2.0		
	Measuring tape	5m			2.0		

Cost Estimation		Site Name	Chilemba, Kasama District				
No.	Item	Specification/Quality	Quantity	Unit	Unit Price ZMK	Price ZMK	Remarks
1	Preparation Work						
	Site clearing	unskilled labor	50.0	man	30.0	1,500.0	
	Accessroad, temporary	unskilled labor	50.0	man	30.0	1,500.0	
	Gathering stones	unskilled labor	294.8	man	30.0	8,845.1	
	Gathering sand	unskilled labor	42.5	man	30.0	1,276.0	
	Cofferdam	unskilled labor	25.0	man	30.0	750.0	
	labor total	unskilled labor	437.4			13,121.1	
2	Stone Masonry Weir	V=	171.8	m^3			
	rubble stone		196.6	m^3	0.0	0.0	
	sand		85.1	m^3	0.0	0.0	
	cement	ordinary portland	851.0	bag	75.0	63,825.0	
	Plank	25x200x5,500	5.0	pc	60.0	300.0	
	Timber	50x50x5,500	4.0	pc	22.5	90.0	
	Stop-log frame		1.0	L..S		3,500.0	
	material total					67,715.0	
	excavation	unskilled labor	131.8	man	30.0	3,954.7	
	mortar mixing	unskilled labor	567.1	man	30.0	17,012.7	
	stone masonry	foreman	51.6	man	0.0	0.0	
		skilled labor	103.1	man	30.0	3,093.2	
		unskilled labor	618.6	man	100.0	24,060.6	
3	Transportation					69,100.0	
		Stones	50.0	trips	800.0	40,000.0	10t truck
		Sand	22.0	trips	800.0	17,600.0	10t truck
		Cement	5.0	trips	2,000.0	10,000.0	10t truck
		Tools	1.0	trips	1,500.0	1,500.0	
4	River bed protection						
		unskilled labor	21.9	man	30.0	657.9	
5	Tools			L.S		15,000.0	
	Total Material Cost					67,765.0	
	rubble stone		196.6	m^3	0.0	0.0	
	sand		85.1	m^3	0.0	0.0	
	cement	ordinary portland	851.0	bag	75.0	63,825.0	
	Plank	25x200x5,500	5.0	pc	70.0	350.0	
	Timber	50x50x5,500	4.0	pc	22.5	90.0	
	Stop-log frame		1.0	L..S	3,500.0	3,500.0	
	Total Labor Cost					63,616.5	
	foreman		51.6	man	0.0	0.0	
	skilled labor		103.1	man	100.0	10,310.7	
	unskilled labor		1776.9	man	30.0	53,305.7	
	Total Construction Cost (A)					215,481.5	
	Cost for S/V (B)					28,757.0	
		Fuel	1,850.0	lit	10.72	19,832.0	diesel
		MA	105.0	day	85.0	8,925.0	
		stationary				0.0	
	Total Project Cost (A) + (B)					244,238.5	

PROGRESS SCHEDULE CHILEMBA,KASAMA DISTRICT

Item No.	Work Description	Quantity	unit	period	unit
1	Preparation Work				
1-1	Site clearing	1.0	L.S.	1.7	day
1-2	Gathering stones	196.6	m3	16.7	day
1-3	Gathering sand	85.1	m3	2.4	day
1-4	Transportation of stones and sand	72.0	trip	15.3	day
2	Temporary Work, Excavation				
2-1	Preparation of access road	1.0	L.S.	1.0	day
2-2	Preparation of temporary stock yard	1.0	L.S.	1.0	day
2-3	Excavation of river diversion	23.4	m3	1.0	day
2-4	Excavation of left side	30.6	m3	2.0	day
2-5	Excavation of right side	71.7	m3	3.2	day
2-6	Excavation of apron	43.3	m3	1.9	day
2-7	Construction of coffer dam	1.0	L.S.	1.0	day
3	Stone masonry	171.8	m3	87.6	day
3-1	Apron	26.0	m3	13.3	day
3-2	Spillway	6.9	m3	3.5	day
3-3	Left slope	30.6	m3	15.6	day
3-4	Right Upstream	12.7	m3	6.5	day
3-5	Right canal	57.6	m3	29.4	day
3-6	canal lining	38.0	m3	19.4	day
3-15	Mortar mixing	94.5	m3	80.3	day
4	Stone Pitching	11.0	m3	1.2	day
5	Embankment,back filling			1.0	day
5-1	river diversion	23.4	m3	1.0	day
				137.1	day
	Foreman				
	Skilled Labor				
	Unskilled Labor				
	Total				



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Cost Estimation　　Site Name　　Chilemba,Kasama District

No.	Item	Specification/Quality	Quantity	Unit	Unit Price ZMK	Price ZMK	Remarks
1	Preparation Work						
	Site clearing	unskilled labor	50.0	man	30.0	1,500.0	
	Accessroad, temporary y	unskilled labor	50.0	man	30.0	1,500.0	
	Gathering stones	unskilled labor	294.8	man	30.0	8,845.1	
	Gathering sand	unskilled labor	42.5	man	30.0	1,276.0	
	Cofferdam	unskilled labor	25.0	man	30.0	750.0	
	labor total	unskilled labor	437.4			13,121.1	
2	Stone Masonry Weir	V=	171.8	m^3			
	rubble stone		196.6	m^3	0.0	0.0	
	sand		85.1	m^3	0.0	0.0	
	cement	ordinary portland	851.0	bag	75.0	63,825.0	
	Plank	25x200x5,500	5.0	pc	60.0	300.0	
	Timber	50x50x5,500	4.0	pc	22.5	90.0	
	Stop-log frame		1.0	L..S		3,500.0	
	material total					67,715.0	
	excavation	unskilled labor	131.8	man	30.0	3,954.7	
	mortar mixing	unskilled labor	567.1	man	30.0	17,012.7	
	stone masonry	foreman	51.6	man	0.0	0.0	
		skilled labor	103.1	man	30.0	3,093.2	
		unskilled labor	618.6	man	100.0	24,060.6	
3	Transportation					69,100.0	
		Stones	50.0	trips	800.0	40,000.0	10t truck
		Sand	22.0	trips	800.0	17,600.0	10t truck
		Cement	5.0	trips	2,000.0	10,000.0	10t truck
		Tools	1.0	trips	1,500.0	1,500.0	
4	River bed protection						
		unskilled labor	21.9	man	30.0	657.9	
5	Tools			L.S		15,000.0	
	Total Material Cost					67,765.0	
	rubble stone		196.6	m^3	0.0	0.0	
	sand		85.1	m^3	0.0	0.0	
	cement	ordinary portland	851.0	bag	75.0	63,825.0	
	Plank	25x200x5,500	5.0	pc	70.0	350.0	
	Timber	50x50x5,500	4.0	pc	22.5	90.0	
	Stop-log frame		1.0	L..S	3,500.0	3,500.0	
	Total Labor Cost					63,616.5	
	foreman		51.6	man	0.0	0.0	
	skilled labor		103.1	man	100.0	10,310.7	
	unskilled labor		1776.9	man	30.0	53,305.7	
	Total Construction Cost (A)					**215,481.5**	

	Cost for S/V (B)					**28,757.0**	
		Fuel	1,850.0	lit	10.72	19,832.0	diesel
		MA	105.0	day	85.0	8,925.0	
		stationary				0.0	
	Total Project Cost (A) + (B)					**244,238.5**	

Tools　　Site Name　　Chilemba,Kasama District

No.	Item	Specification/Quality	Quantity	Unit			Remarks
1	Mortar mixing 1set		2	set			
	Tools (Daily)						
	Shovel		2.00	pcs	4.00	pcs	
	Bucket	20 lit	4.00	pcs	8.00	pcs	
	Wheel barrow		2.00	pc	4.00	pc	
2	Stonemasonry work	1set	2.0	set			
	Tools (Daily, not include mortar mixing)						
	Bucket	20 lit	3.00	pcs	6.0	pcs	
	Wheel barrow		4.00	pc	8.0	pc	
	Trowel		3.00	pcs	6.0	pcs	
	Builder's level		1.00	pc	2.0	pc	
	Measuring tape	5m	1.00	pc	2.0	pc	
	Peg						
3	Excavation (by hand)	per 10m^3 1set	3.0	sets			
	Tools						
	Shovel		2.00	pcs	6.0	pcs	
	Pickaxe		2.00	pcs	6.0	pcs	
	Hoe		3.80	pcs	11.4	pcs	
	String		1.00	roll	1.0	roll	
	Peg						
4	Embankment (by hand)	per 10m^3 1set	2.00	sets			
	Tools						
	Shovel		2.00	pcs	4.0	pcs	
	Hoe		3.60	pcs	7.2	pcs	
	Rammer		2.00	pcs	4.0	pcs	
	String		1.00	roll	1.0	roll	
	Whellbarrow		3.00	pcs	6.0	pcs	
	TOTAL REQUIRED TOOLS						
	Shovel				6.0		
	Pickaxe				6.0		
	Backet				12.0		
	Whellbarrow				12.0		
	String				1.0		
	Trowel				6.0		
	Builders level				2.0		
	Measuring tape	5m			2.0		