

## **FEBRUARY REVIEW -2010**

### **Macro System**

Hydrological situation in Mahaweli, Kelani and Walawe systems in the month of February were drier than that in the previous month. Hence reservoir levels in other macro reservoirs except Randenigala reservoir in above three systems were fallen down during the month.

In Mahaweli system, hydrological situation in Kotmale, Victoria, Rantambe and Bowatanne reservoirs were drier than their 80% exceedance level while that in Polgolla Barrage and Randenigala reservoir were exceeding their long-term average value.

During February 2010 inflow to Moussakale reservoir in Kelani system was drier than the 80% exceedance level while that to Castlereigh reservoir was wetter than the 20% exceedance level.

In Walawe system, inflow to Samanalawewa reservoir was wetter than the 20% exceedance level and that to Udawalawe reservoir was below its long-term average value during the month.

Ceylon Electricity Board took one machine of Polpitiya power plant for maintenance from 10<sup>th</sup> February and continued to end. CEB had increased Mahaweli hydro-power generation in February to 161 GWh from 119 GWh in January. The total stored energy in February was reduced to 60% from 75% in January 2010.

### **Diversions**

Diversions to Kalawewa and Huruluwewa reservoirs in system H, IH and MH were above their long-term average value in February while that to Kandalama was below the diversion flow expected under dry condition. Since Irrigation Department had continued the drawdown in Nachchaduwa reservoir very little diversions were made to both Nachchaduwa and Nuwarawewa reservoirs. No diversion was made to the Tissawewa reservoir.

No diversions were made to Kantale reservoir in the EMYE system while diversions to Kaudulla and PSS reservoirs were below their long-term average value. Diversion to Giritale in February was above its long-term average value while that to Minneriya, reservoir was below its expected value under dry situation.

In the Minipe LB diversions were almost equal to the diversions targeted under dry situation of the Seasonal Operation Plan. Diversions which were lesser than the long-term average condition were made to Soraborawewa while no diversions to Mapakadawewa and Dambarawewa. Diversions to Ulhitiya/Rathkinda and Maduruoya reservoirs were exceeded their long-term average values since CEB had used power plant in Rantambe to fulfill their requirement for peaking.

### **Irrigation systems**

Reservoir levels of Rajangana and Minneriya irrigation reservoirs were around their Full Supply Levels while PSS was spilling and that in other irrigation reservoirs except Giritale, Kaudulla, Kantale in EMYE system and Huruluwewa in MH system were considerably dropping.

Compared to the water consumption in Kandalama, Kalawewa RB, KYE, Nachchaduwa, Nuwarawewa and, Udawalawe RB & LB, that in other schemes were better while EMYE system, Ulhitiya and Maduruoya were much better.



TABLE 2

ENERGY GENERATION  
COMPARISON OF ACTUAL GENERATION AND FORECAST SOP GENERATION

SEASON : MAHA 2009/10

Month-End : Feb 2010

Powerplant	Hydro Condi- -tion	Monthly Energy Generation(GWH)						Total To End Feb
		Oct	Nov	Dec	Jan	Feb	Mar	
Kotmale	Avg	14	40	42	36	33	15	165
	Dry	13	18	38	40	23	14	132
	Act	48	21	53	42	38		202
Victoria	Avg	37	32	16	44	41	37	169
	Dry	26	11	4	33	36	28	109
	Act	24	47	63	44	60		237
Randenigala	Avg	0	10	18	24	27	16	79
	Dry	0	9	11	12	25	12	57
	Act	5	10	7	16	31		69
Rantembe	Avg	2	8	11	13	14	9	48
	Dry	2	7	6	9	12	7	37
	Act	3	8	12	11	15		49
Ukuwela	Avg	16	10	12	14	13	6	65
	Dry	17	14	22	18	12	6	83
	Act	16	15	5	4	16		55
Bowatenna	Avg	4	5	6	6	5	2	27
	Dry	4	4	4	4	4	2	20
	Act	4	6	5	2	2		20
Canyon	Avg	21	12	20	16	12	13	81
	Dry	19	7	17	16	11	13	70
	Act	23	15	11	13	9		71
New Laxapana	Avg	62	37	52	42	32	36	224
	Dry	59	26	47	41	31	37	205
	Act	61	50	36	38	27		212
Polpitiya	Avg	52	40	44	35	29	32	200
	Dry	52	36	42	33	27	31	190
	Act	47	40	37	33	26		182

TABLE 2 (continued)

ENERGY GENERATION  
COMPARISON OF ACTUAL GENERATION AND FORECAST SOP GENERATION

SEASON : MAHA 2009/10

Month-End : Feb 2010

Powerplant	Hydro Condi- -tion	Monthly Energy Generation(GWH)						Total To End Feb
		Oct	Nov	Dec	Jan	Feb	Mar	
Wimalasurend ra	Avg	11	14	12	8	8	9	53
	Dry	8	11	10	7	8	9	43
	Act	19	15	16	13	10		73
Laxapana	Avg	28	32	27	21	21	23	129
	Dry	21	30	25	20	21	20	116
	Act	31	27	33	27	21		139
Samanalawewa	Avg	30	7	2	40	55	5	134
	Dry	29	5	4	31	45	6	114
	Act	12	34	55	31	45		178
Diesel	Avg	107	104	107	107	97	107	522
	Dry	107	104	107	107	97	107	522
	Act	N/A	N/A	N/A	N/A	N/A		N/A
Steam	Avg	0	0	0	0	0	0	0
	Dry	0	0	0	0	0	0	0
	Act	N/A	N/A	N/A	N/A	N/A		N/A
Gas	Avg	121	117	121	0	0	84	360
	Dry	121	136	137	0	0	104	394
	Act	N/A	N/A	N/A	N/A	N/A		N/A
Private Powe r	Avg	296	313	326	420	387	469	1741
	Dry	332	369	351	459	425	469	1937
	Act	N/A	N/A	N/A	N/A	N/A		N/A
Kukule	Avg	41	39	24	19	10	10	132
	Dry	37	36	17	15	5	9	110
	Act	30	34	36	19	12		132
Mini Hydro	Avg	2	3	4	4	3	2	16
	Dry	1	1	2	2	3	1	9
	Act	1	2	4	6	3		17

TABLE 2 (Continued)

DISCHARGE FLOWS WITHIN MAHAWELI MACRO SYSTEM  
COMPARISON OF ACTUAL DISCHARGES AND FORECAST SOP DISCHARGES

SEASON : MAHA 2009/10

Month-End : Feb 2010

Reservoir	Flow	Hydro Condi- -tion	Monthly diversion volume (MCM)						Total To End Feb
			Oct	Nov	Dec	Jan	Feb	Mar	
KOTMALE	Power Flow	Avg	29	76	79	71	65	30	319
		Dry	23	40	72	76	50	25	259
		Act	94	39	99	78	74		384
	D/S Flow	Avg	0	0	0	0	0	0	0
		Dry	0	0	0	0	0	0	0
		Act	0	0	0	0	0		0
POLGOLLA	Power Flow	Avg	89	53	65	74	71	31	353
		Dry	90	78	120	98	65	31	451
		Act	86	78	24	22	83		292
	D/S Flow	Avg	86	173	102	41	22	30	423
		Dry	46	90	45	13	17	32	211
		Act	167	108	241	116	15		647
VICTORIA	Power Flow	Avg	89	72	34	94	89	81	379
		Dry	61	25	8	75	82	60	250
		Act	55	104	133	90	123		504
	D/S Flow	Avg	0	0	0	1	0	0	1
		Dry	0	0	0	0	0	0	0
		Act	0	0	0	0	0		0
RANDENIG ALA	Power Flow	Avg	1	62	106	133	156	93	457
		Dry	2	71	35	99	140	62	346
		Act	38	68	45	89	167		406
	D/S Flow	Avg	0	0	0	3	0	1	3
		Dry	0	0	0	0	0	0	0
		Act	0	0	0	0	0		0
RANTAMBE	Power Flow	Avg	28	105	150	171	185	114	639
		Dry	28	100	83	155	157	90	522
		Act	43	101	150	136	195		626
	D/S Flow	Avg	0	0	0	6	0	0	6
		Dry	0	0	0	0	0	0	0
		Act	0	0	0	0	0		0

TABLE 2 (Continued)

DISCHARGE FLOWS WITHIN MAHAWELI MACRO SYSTEM  
COMPARISON OF ACTUAL DISCHARGES AND FORECAST SOP DISCHARGES

SEASON : MAHA 2009/10

Month-End : Feb 2010

Reservoir	Flow	Hydro Condi- -tion	Monthly diversion volume (MCM)						Total To End Feb
			Oct	Nov	Dec	Jan	Feb	Mar	
BOWATENN E	Power Flow	Avg	33	42	47	48	41	12	210
		Dry	29	41	35	32	30	11	165
		Act	35	54	43	20	19		171
	D/S Flow	Avg	2	2	2	2	2	2	9
		Dry	2	2	2	2	2	2	9
		Act	2	3	3	3	3		15

TABLE 3

DIVERSION FLOWS WITHIN IRRIGATION SYSTEM  
COMPARISON OF ACTUAL DIVERSIONS AND FORECAST SOP DIVERSIONS

SEASON : MAHA 2009/10

Month-End : Feb 2010

Diversions		Hydro Condi- -tion	Monthly diversion volume (MCM)						Total To End Feb
From	To		Oct	Nov	Dec	Jan	Feb	Mar	
Bowaten ne	Dambulu Oya	Avg	44.6	18.8	39.7	44.4	40.6	14.3	188.1
		Dry	33.3	8.1	29.5	39.0	32.8	22.5	142.7
		Act	45.7	22.5	23.8	13.8	51.0		156.8
Bowaten ne	KHF Can- al	Avg	5.7	22.0	22.5	21.5	19.1	18.5	90.8
		Dry	5.7	22.0	22.8	22.7	20.5	11.3	93.7
		Act	6.7	20.5	9.9	11.7	11.2		60.1
KHFC @ KHB	Kandala ma	Avg	.6	.4	.5	2.5	2.8	2.2	6.8
		Dry	.6	.0	.0	.8	1.6	1.9	3.0
		Act	2.9	9.8	4.6	.0	1.2		18.5
Dambulu Oya	Kalawew a	Avg	61.2	52.2	62.0	52.7	42.8	21.9	270.9
		Dry	58.1	54.7	59.0	47.0	37.7	9.4	256.5
		Act	50.2	41.3	84.4	24.8	58.9		259.6
KHFC @ SM	Huruluw ewa	Avg	4.5	16.4	7.2	7.3	2.8	7.8	38.2
		Dry	4.5	16.0	6.6	4.3	1.5	4.1	32.9
		Act	2.2	6.9	6.3	6.2	4.3		25.9
Kalawew a	Nachcha duwa	Avg	19.0	9.0	6.0	6.9	3.8	7.5	44.7
		Dry	19.0	11.3	1.5	2.8	1.1	2.7	35.7
		Act	9.6	6.8	7.3	.4	.9		24.9
Kalawew a	Tissawe wa	Avg	3.7	1.4	2.1	1.8	1.5	1.4	10.5
		Dry	3.7	1.4	2.1	1.3	.7	1.2	9.2
		Act	1.0	3.4	5.7	.3	.0		10.5
Nachcha duwa	Nuwaraw ewa	Avg	6.6	7.3	7.1	5.3	1.9	3.2	28.2
		Dry	6.9	7.3	7.5	2.2	.2	.5	24.1
		Act	1.1	2.2	6.8	1.9	.3		12.2
Elahera	System D1 & G	Avg	53.5	86.3	101.5	97.5	72.5	36.6	411.3
		Dry	52.7	84.6	85.3	80.4	52.8	31.9	355.8
		Act	52.7	100.0	78.5	60.4	39.4		331.0

TABLE 3 (continued)

DIVERSION FLOWS WITHIN IRRIGATION SYSTEM  
COMPARISON OF ACTUAL DIVERSIONS AND FORECAST SOP DIVERSIONS

SEASON : MAHA 2009/10

Month-End : Feb 2010

Diversion		Hydro Condi- -tion	Monthly diversion volume (MCM)						Total To End Feb
From	To		Oct	Nov	Dec	Jan	Feb	Mar	
Diyabed uma	Giritale	Avg	.0	14.5	16.6	8.0	5.4	3.5	44.5
		Dry	.0	11.4	17.7	8.4	3.6	3.4	41.1
		Act	.4	11.0	26.6	7.6	6.4		51.9
Diyabed uma	Minneriya	Avg	50.8	50.1	51.6	62.2	33.5	23.4	248.2
		Dry	52.9	50.3	40.6	36.0	16.3	13.8	196.1
		Act	45.8	70.0	72.1	35.4	15.7		239.0
Minneriya	Kaudulla	Avg	2.1	27.1	27.5	18.2	8.3	6.1	83.2
		Dry	1.5	26.8	21.3	15.1	3.7	3.2	68.4
		Act	.0	38.0	39.7	7.3	6.1		91.1
Minneriya	Kantale	Avg	.0	6.8	18.7	29.1	21.0	9.1	75.6
		Dry	.0	1.3	19.6	23.7	2.6	3.6	47.2
		Act	.0	25.9	28.3	8.3	.0		62.5
Angamedilla	System D2	Avg	14.8	38.6	58.4	48.5	34.6	18.5	194.9
		Dry	11.9	48.8	49.8	34.5	34.8	18.0	179.8
		Act	19.9	61.7	41.9	45.8	32.1		201.4
Minipe RB	System E	Avg	4.2	13.7	41.7	28.5	34.3	19.7	122.4
		Dry	4.2	11.8	44.6	24.0	26.2	14.1	110.8
		Act	.0	11.0	16.7	24.8	26.0		78.4
Minipe RB	System C & B	Avg	23.8	91.2	91.7	111.4	134.5	75.6	452.6
		Dry	25.1	94.9	19.3	61.0	128.5	64.0	328.8
		Act	46.0	86.8	93.4	87.2	116.9		430.2
Minipe RB	Sorabora Wewa	Avg	.9	3.2	2.6	2.8	3.4	3.2	12.9
		Dry	.9	3.2	2.6	2.8	3.5	3.3	13.0
		Act	.0	3.5	1.9	2.4	1.5		9.3
Minipe RB	Mapakad Wewa	Avg	.8	2.6	1.5	.4	.5	.8	5.8
		Dry	.8	2.6	1.5	.4	.5	.8	5.8
		Act	.0	4.9	2.2	3.4	.0		10.4



TABLE 4

MONTH-END STORAGE VOLUMES - MAIN SYSTEM  
COMPARISON OF ACTUAL VOLUMES AND FORECAST SOP VOLUMES

SEASON : MAHA 2009/10

Month-End : Feb 2010

Reservoir	Hydro Condi- -tion	Month-End Storage Volume (MCM)					
		Oct	Nov	Dec	Jan	Feb	Mar
CASTLEREIGH	Avg	44	43	36	29	20	10
	Dry	43	44	36	28	18	7
	Act	42	45	44	35	26	
MOUSAKELLE	Avg	116	123	98	75	57	39
	Dry	108	122	98	75	57	40
	Act	103	99	95	79	67	
SAMANALAWEWA	Avg	117	156	189	162	105	135
	Dry	110	151	179	148	91	110
	Act	159	186	196	193	160	
KOTMALE	Avg	154	170	157	130	89	83
	Dry	160	173	142	71	43	39
	Act	96	145	147	111	55	
POLGOLLA	Avg	0	0	0	0	0	0
	Dry	0	0	0	0	0	0
	Act	N/A	N/A	N/A	N/A	N/A	
VICTORIA	Avg	225	403	532	535	491	459
	Dry	211	318	387	368	304	266
	Act	340	414	594	649	556	
RANDENIGALA	Avg	525	618	631	684	654	661
	Dry	497	526	502	530	488	468
	Act	434	524	735	801	804	
RANTAMBE	Avg	6	5	4	5	5	5
	Dry	5	3	3	4	2	2
	Act	5	5	5	7	5	
BOWATENNE	Avg	47	51	49	48	42	44
	Dry	45	50	45	45	36	45
	Act	33	25	43	32	36	

TABLE 5

MONTH-END STORAGE VOLUMES - IRRIGATION SYSTEM  
COMPARISON OF ACTUAL VOLUMES AND FORECAST SOP VOLUMES

SEASON : MAHA 2009/10

Month-End : Feb 2010

Reservoir	Hydro Condi- -tion	Month-End Storage Volume (MCM)					
		Oct	Nov	Dec	Jan	Feb	Mar
Dambulu Oya	Avg Dry Act	Not Estimated					
		8.1	8.1	8.5	9.9	9.7	
Kandalama	Avg Dry Act	19.5	20.5	20.3	17.8	13.2	17.4
		19.3	17.9	12.8	9.4	6.3	10.0
		17.0	22.0	33.8	30.0	21.4	
Kalawewa RB	Avg Dry Act	112.9	114.6	102.4	75.4	49.7	54.5
		118.1	117.8	89.7	44.1	22.5	26.2
		72.8	83.1	123.5	81.6	69.1	
Rajangana	Avg Dry Act	43.7	72.2	81.9	85.6	75.0	74.9
		30.7	45.0	54.9	63.6	50.4	49.4
		29.4	81.5	95.6	98.4	96.5	
Hurulu Wewa	Avg Dry Act	21.3	40.2	43.0	42.9	34.8	39.3
		21.8	38.3	35.7	29.5	17.5	24.0
		15.1	19.7	47.4	44.9	40.9	
Nachchaduwa	Avg Dry Act	36.8	52.6	50.8	47.1	39.7	41.3
		39.1	53.2	46.7	37.7	27.3	23.2
		16.1	25.0	40.9	27.3	21.2	
Nuwara Wewa	Avg Dry Act	15.5	23.1	27.6	29.3	26.6	27.6
		15.4	21.9	25.1	24.0	19.1	17.7
		7.3	9.7	17.0	24.0	19.3	
Tissawewa	Avg Dry Act	4.3	4.3	4.2	3.9	3.0	3.5
		4.5	4.5	3.9	3.1	1.4	1.8
		.9	2.9	4.3	3.2	2.4	
Elahera	Avg Dry Act	No Storage Available					
		N/A	N/A	N/A	N/A	N/A	

TABLE 5 (Continued)

MONTH-END STORAGE VOLUMES - IRRIGATION SYSTEM  
COMPARISON OF ACTUAL VOLUMES AND FORECAST SOP VOLUMES

SEASON : MAHA 2009/10

Month-End : Feb 2010

Reservoir	Hydro Condi- -tion	Month-End Storage Volume (MCM)					
		Oct	Nov	Dec	Jan	Feb	Mar
Giritale	Avg	6.1	13.7	23.6	23.3	19.0	19.9
	Dry	6.0	12.1	23.9	23.9	13.1	14.2
	Act	6.3	7.9	23.3	20.2	19.4	
Minneriya	Avg	95.5	119.2	124.3	127.2	106.9	106.4
	Dry	90.4	117.3	121.1	119.4	78.7	77.3
	Act	79.0	86.0	132.4	133.9	126.4	
Kaudulla	Avg	25.9	62.7	96.5	110.3	106.7	106.4
	Dry	22.4	55.2	78.0	93.1	83.9	83.1
	Act	15.1	49.5	128.3	121.3	112.1	
Kantale	Avg	23.9	60.7	96.1	112.2	106.7	106.0
	Dry	20.5	42.1	54.5	75.4	66.0	69.9
	Act	18.5	53.5	120.8	126.4	118.3	
Parakrama Samudra	Avg	68.1	78.4	109.1	124.9	123.3	128.0
	Dry	64.3	60.3	85.2	114.0	112.1	122.1
	Act	58.3	98.4	134.1	137.1	136.2	
System E - Minip e LB	Avg	No Storage Available					
	Dry	N/A					
	Act	N/A					
Ulhitiya	Avg	111.0	118.4	124.3	130.3	128.8	136.0
	Dry	111.0	116.6	121.4	124.8	121.9	137.0
	Act	103.0	103.0	145.3	108.9	94.7	
Maduru Oya LB	Avg	180.2	236.6	314.0	375.2	369.7	409.0
	Dry	181.0	245.9	275.6	293.1	284.5	349.5
	Act	173.9	291.5	473.9	534.2	560.3	
System A - Allai	Avg	No Storage Available					
	Dry	N/A					
	Act	N/A					

TABLE 5 (Continued)

MONTH-END STORAGE VOLUMES - IRRIGATION SYSTEM  
 COMPARISON OF ACTUAL VOLUMES AND FORECAST SOP VOLUMES

SEASON : MAHA 2009/10

Month-End : Feb 2010

Reservoir	Hydro Condi -tion	Month-End Storage Volume (MCM)					
		Oct	Nov	Dec	Jan	Feb	Mar
Udawalawe RB	Avg	100.5	175.0	135.1	150.1	160.1	148.4
	Dry	104.4	183.2	105.7	102.1	83.8	65.9
	Act	58.1	176.5	279.7	256.5	230.1	

TABLE 6

MONTHLY SLUICE ISSUES FROM IRRIGATION SCHEMES  
COMPARISON OF ACTUAL ISSUES AND FORECAST SOP ISSUES

SEASON : MAHA 2009/10

Month-End : Feb 2010

Reservoir	Hydro Condi- -tion	Sluice Issue (MCM)						Total To End Feb
		Oct	Nov	Dec	Jan	Feb	Mar	
Dambulu Oya	Avg	.0	4.9	4.4	5.4	6.0	.1	20.7
	Dry	.0	4.3	3.8	5.3	5.1	.1	18.5
	Act	.5	6.5	1.7	6.2	5.6		20.6
KHFC Scheme	Avg	.0	3.3	12.9	10.1	12.0	7.0	38.3
	Dry	.0	3.3	12.5	6.9	10.4	6.4	33.1
	Act	N/A	N/A	N/A	N/A	N/A		N/A
Kandalama	Avg	.0	8.8	7.8	9.7	9.6	.1	35.9
	Dry	.0	8.9	7.3	9.5	7.0	.1	32.7
	Act	.2	11.3	4.5	.3	12.0		28.3
Kalawewa RB	Avg	.0	41.4	45.3	47.2	37.7	6.9	171.6
	Dry	.0	43.2	43.3	43.4	27.0	8.0	156.9
	Act	8.2	45.7	27.4	52.7	46.8		180.6
Kalawewa YE	Avg	.0	9.0	9.0	10.1	9.7	1.2	37.8
	Dry	.0	8.6	7.9	8.9	8.6	1.3	34.0
	Act	.4	10.5	5.2	9.7	11.1		36.9
Kalawewa LB	Avg	4.1	15.9	15.7	20.2	15.6	1.0	71.5
	Dry	4.3	14.1	12.5	18.0	13.9	1.1	62.8
	Act	12.5	18.2	9.8	20.5	15.1		76.2
Rajangana	Avg	.0	17.6	19.1	22.8	26.1	4.2	85.6
	Dry	.0	16.5	15.8	21.8	21.8	4.3	75.9
	Act	.0	12.3	21.2	22.8	22.0		78.2
Neela Bemma	Avg	.0	.5	2.1	1.8	2.1	1.1	6.5
	Dry	.0	.5	1.9	1.8	1.8	1.1	6.0
	Act	N/A	N/A	N/A	N/A	N/A		N/A
Hurulu Wewa	Avg	.0	4.3	8.0	7.8	9.9	2.5	30.0
	Dry	.0	4.0	7.0	5.7	10.1	2.6	26.8
	Act	.0	8.3	1.4	10.0	9.8		29.5

TABLE 6 (continued)

MONTHLY SLUICE ISSUES FROM IRRIGATION SCHEMES  
COMPARISON OF ACTUAL ISSUES AND FORECAST SOP ISSUES

SEASON : MAHA 2009/10

Month-End : Feb 2010

Reservoir	Hydro Condi- -tion	Sluice Issue (MCM)						Total To End Feb
		Oct	Nov	Dec	Jan	Feb	Mar	
Nachchaduwa	Avg	.0	3.9	8.3	7.5	8.9	2.2	28.6
	Dry	.0	3.8	7.3	6.5	7.6	2.1	25.2
	Act	.0	6.8	3.4	6.7	11.1		28.0
Nuwara Wewa	Avg	.0	1.3	2.7	2.4	3.0	.7	9.4
	Dry	.0	1.2	2.1	2.1	2.9	.7	8.3
	Act	.0	1.1	2.5	3.2	3.7		10.5
Tissawewa	Avg	.0	.8	1.6	1.5	1.8	.4	5.7
	Dry	.0	.7	1.3	1.3	1.8	.4	5.1
	Act	.0	.9	1.7	.7	1.4		4.8
Elahera	Avg	.0	18.3	29.8	23.6	31.5	8.4	103.2
	Dry	.0	18.9	27.5	18.2	24.6	7.7	89.2
	Act	.4	21.8	15.6	23.8	20.0		81.7
Giritale	Avg	.0	9.0	8.8	8.8	9.7	2.1	36.3
	Dry	.0	8.6	8.5	6.8	7.8	2.2	31.7
	Act	.1	7.1	2.9	8.8	6.3		25.2
Minneriya	Avg	.0	12.9	20.5	17.8	24.3	6.5	75.5
	Dry	.0	13.1	18.9	13.6	19.7	6.5	65.3
	Act	1.5	13.5	7.9	18.4	15.2		56.3
Kaudulla	Avg	.0	7.2	9.8	7.5	10.0	2.7	34.5
	Dry	.0	7.2	8.3	5.8	8.8	2.7	30.1
	Act	.3	7.3	3.7	10.2	8.9		30.4
Kantale	Avg	.0	1.6	11.1	18.4	25.0	6.7	56.1
	Dry	.0	1.6	10.6	14.5	19.2	6.4	45.9
	Act	.0	4.3	3.0	15.6	11.8		34.7
Parakrama Samudr a	Avg	.0	30.4	29.0	27.8	29.9	6.9	117.1
	Dry	.0	31.7	27.0	21.6	23.0	6.7	103.3
	Act	4.6	22.7	9.3	34.1	26.8		97.6



TABLE 7

SUMMARY OF CROPPED AREAS AND DATES OF WATER ISSUE  
COMPARISON OF ACTUAL DATA AND FORECAST SOP DATA

SEASON : MAHA 2009/10

Month-End : Feb 2010

System/ Scheme	Avail Area (HA)	Crop	Extent		Date of Water Issue			
			SOP (%)	Act (%)	First Date		Last Date	
					SOP	ACT	SOP	ACT
Dambulu Oya	2230	Paddy Upland	101 2	101 2	Nov 15	Oct 20 Oct 20	Mar 05	Mar 1 Mar 1
KHFC Scheme	3000	Paddy	75	74	Nov 20	Nov 17	Mar 20	Mar 25
Kandalama	4900	Paddy Upland	89 3	87 0	Nov 15	Nov 10 Nov 10	Mar 05	Mar 10 Mar 10
Kalawewa RB	13565	Paddy Upland	94 10	94 9	Nov 10	Nov 10 Nov 10	Mar 15	Mar 15 Mar 15
Kalawewa YE	4700	Paddy Upland	95 6	96 4	Nov 12	Nov 11 Nov 11	Mar 10	Mar 20 Mar 20
Kalawewa LB	6100	Paddy Upland	96 13	102 7	Oct 20	Oct 20 Oct 20	Mar 01	Feb 28 Feb 28
Rajangana	7560	Paddy Upland	76 19	74 19	Nov 15	Nov 15 Nov 15	Mar 05	Mar 22 Mar 22
Neela Bemma	800	Paddy	86		Nov 20		Mar 20	
Hurulu Wewa	4300	Paddy	100	98	Nov 12	Nov 12	Mar 10	Mar 12
Nachchaduwa	2540	Paddy Upland	117 0	123 6	Nov 15	Oct 15 Oct 15	Mar 15	Mar 14 Mar 14
Nuwara Wewa	1010	Paddy	101	104	Nov 15	Nov 24	Mar 15	Mar 20
Tissawewa	520	Paddy	100	100	Nov 15	Nov 17	Mar 15	Mar 20

TABLE 7 (continued)

SUMMARY OF CROPPED AREAS AND DATES OF WATER ISSUE  
COMPARISON OF ACTUAL DATA AND FORECAST SOP DATA

SEASON : MAHA 2009/10

Month-End : Feb 2010

System/ Scheme	Avail Area (HA)	Crop	Extent		Date of Water Issue			
			SOP (%)	Act (%)	First Date		Last Date	
					SOP	ACT	SOP	ACT
Elahera	5470	Paddy Upland	122 0	126	Nov 15	Nov 15	Mar 10	Mar 25
Giritale	4860	Paddy	72	63	Nov 13	Nov 11	Mar 05	Mar 20
Minneriya	10930	Paddy	90	83	Nov 15	Nov 11	Mar 10	Mar 22
Kaudulla	5340	Paddy	95	102	Nov 15	Oct 27	Mar 01	Mar 18
Kantale	8860	Paddy	100	93	Nov 20	Nov 19	Mar 15	Mar 14
Parakrama Samudra	10420	Paddy	99	111	Nov 04	Nov 4	Mar 05	Mar 12
System E - Minipe LB	7525	Paddy	100	92	Nov 20	Oct 30	Mar 31	Feb 28
Sorabora wewa	810	Paddy	100		Nov 20		Mar 15	
Mapakada wewa	690	Paddy	80		Nov 20		Mar 15	
Dambarawa wewa	610	Paddy	100		Nov 20		Mar 15	
Ulhitiya	21800	Paddy Upland	103 2	104 1	Nov 15	Nov 15 Nov 15	Mar 15	Mar 20 Mar 20
Vakeneri/ Punnai	4060	Paddy	99		Nov 01		Mar 15	

TABLE 7 (continued)

SUMMARY OF CROPPED AREAS AND DATES OF WATER ISSUE  
COMPARISON OF ACTUAL DATA AND FORECAST SOP DATA

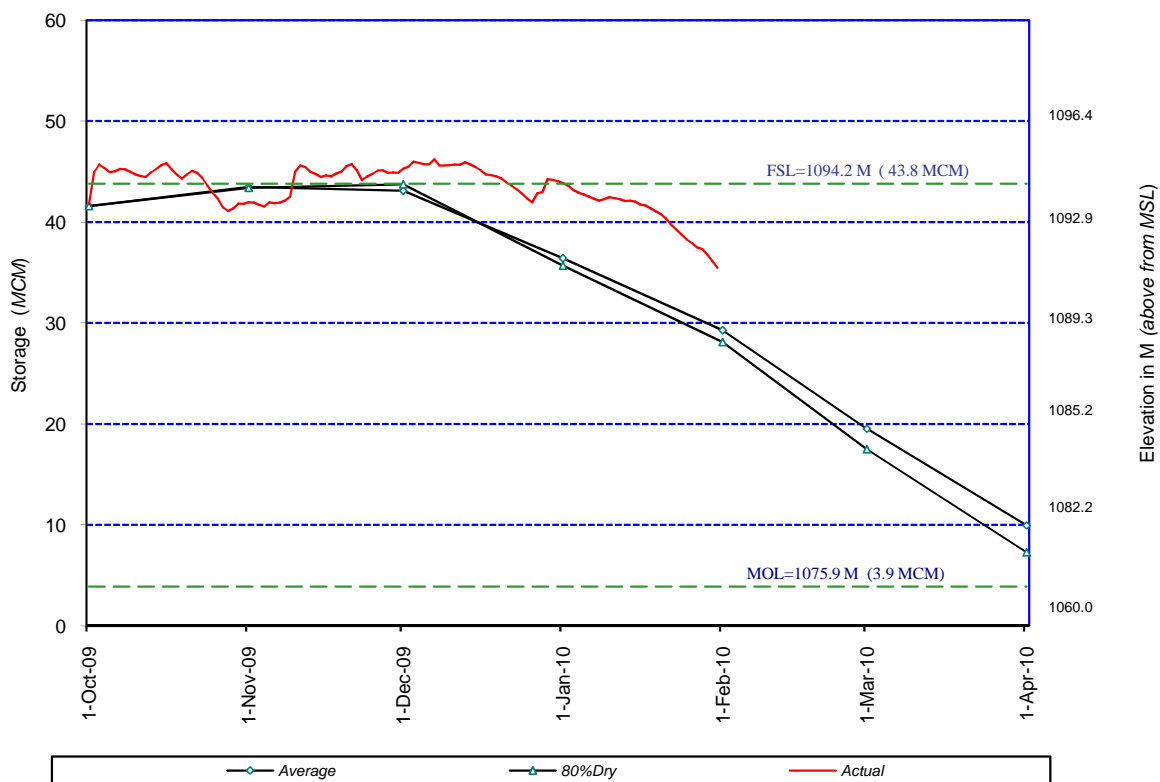
SEASON : MAHA 2009/10

Month-End : Feb 2010

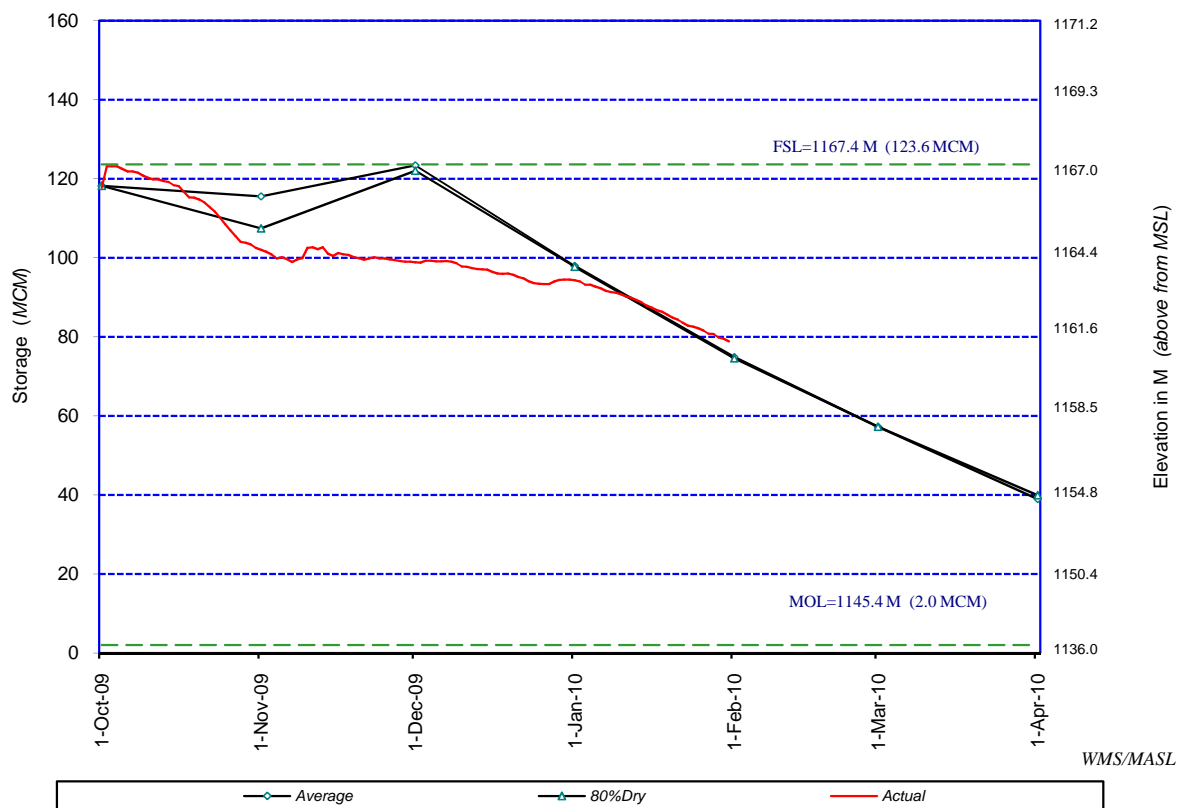
System/ Scheme	Avail Area (HA)	Crop	Extent		Date of Water Issue					
			SOP (%)	Act (%)	First Date		Last Date			
					SOP	ACT	SOP	ACT		
Maduru Oya LB	16900	Paddy	109	114	Nov 20	Oct 10	Mar 05	Mar 5		
		Upland	1	0					Oct 10	Mar 5
System A - Allai	7050	Paddy	100		Nov 01		Mar 15			
Kaltota Amuna	1000	Paddy	92		Nov 02		Mar 15			
Udawalawe RB	12322	Paddy	70	69	Nov 20	Dec 1	Mar 25	Mar 20		
		Upland	25	22					Dec 1	Mar 20
		Sugarc	1	1					Dec 1	Mar 20
Udawalawe LB	8350	Paddy	64	73	Nov 20	Dec 1	Mar 25	Mar 20		
		Upland	47	14					Dec 1	Mar 20
		Sugarc	14	44					Dec 1	Mar 20
Liyangastota LB	3500	Paddy	98		Oct 15		Feb 10			
Liyangastota RB	3300	Paddy	99		Nov 05		Mar 02			

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**Fig. 3.11 - CASTLEREIGH**



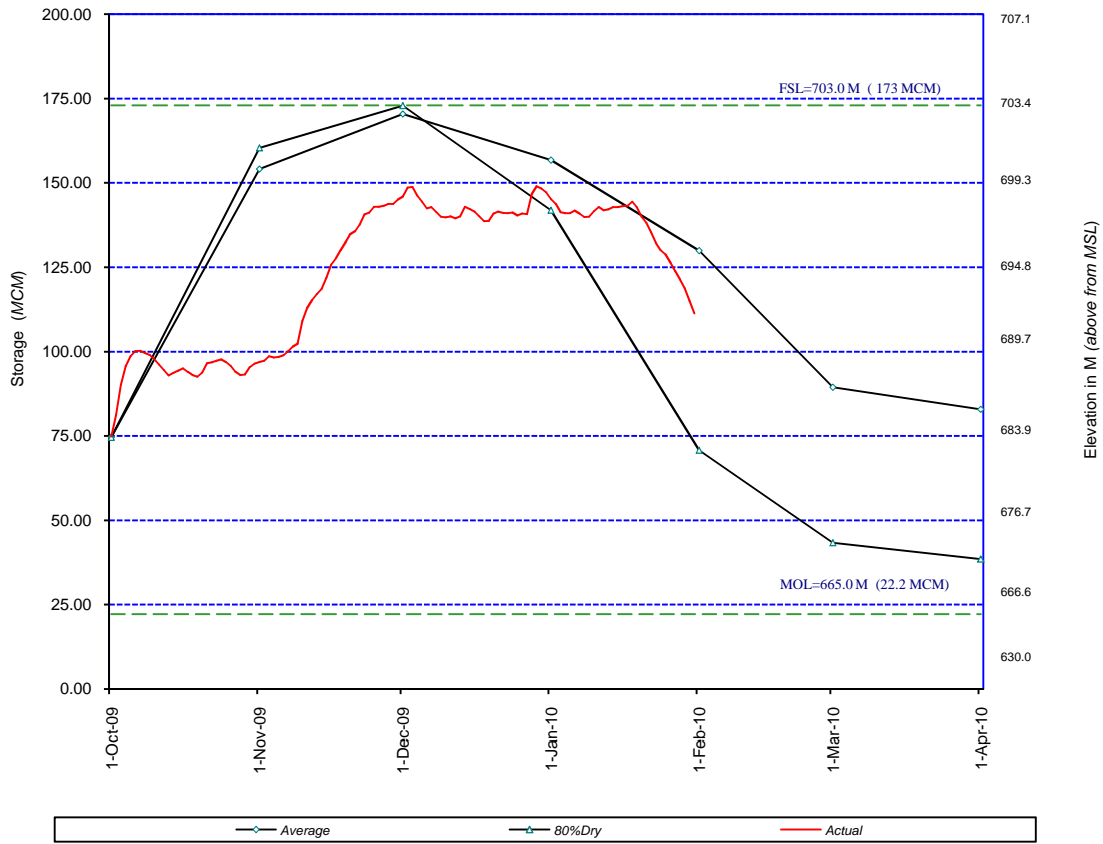
**Fig. 3.12 - MOUSSAKELE**



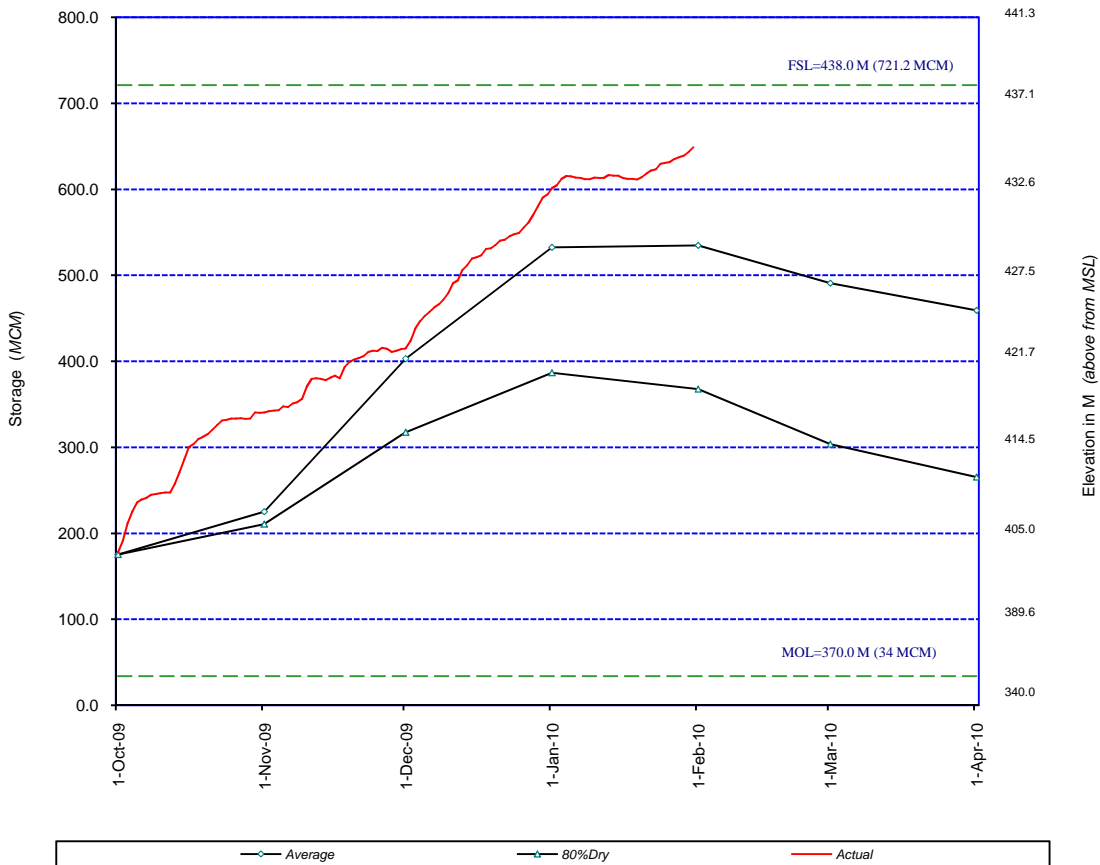
WMS/MASL

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**Fig: 3.13 - GAMINI DISSANAYAKE RESERVOIR ( KOTMALE )**

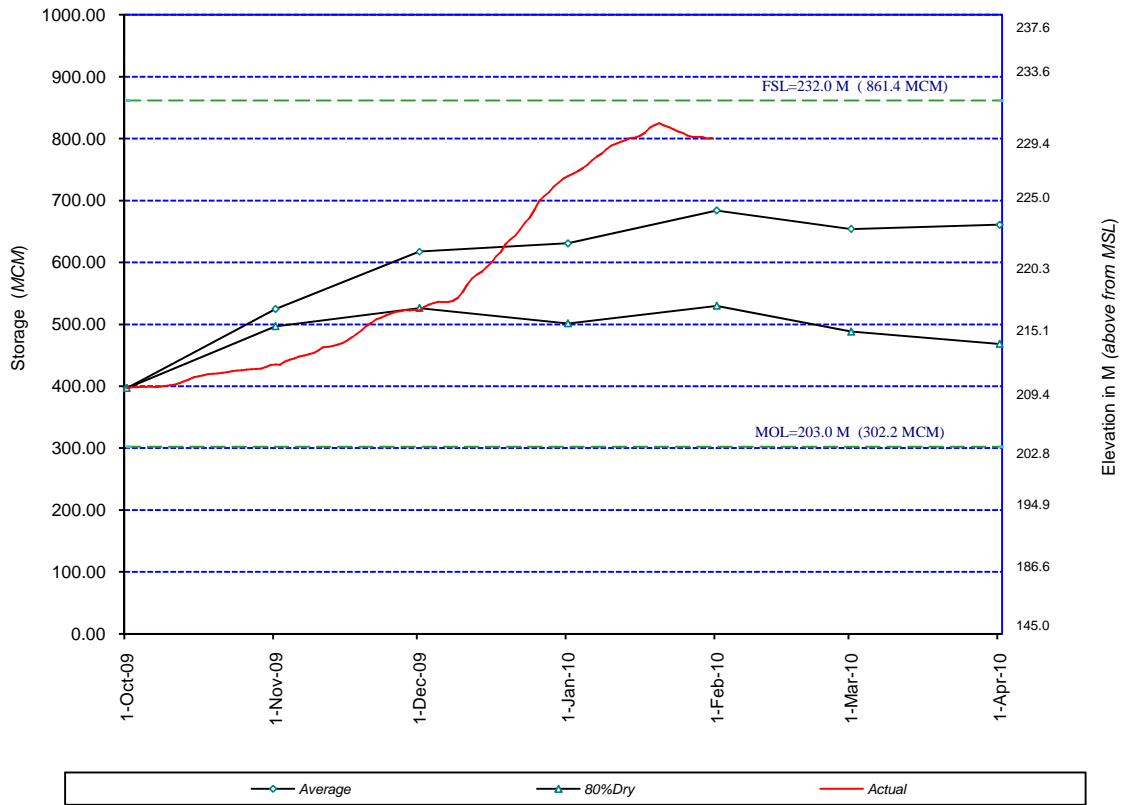


**Fig: 3.14 - VICTORIA**

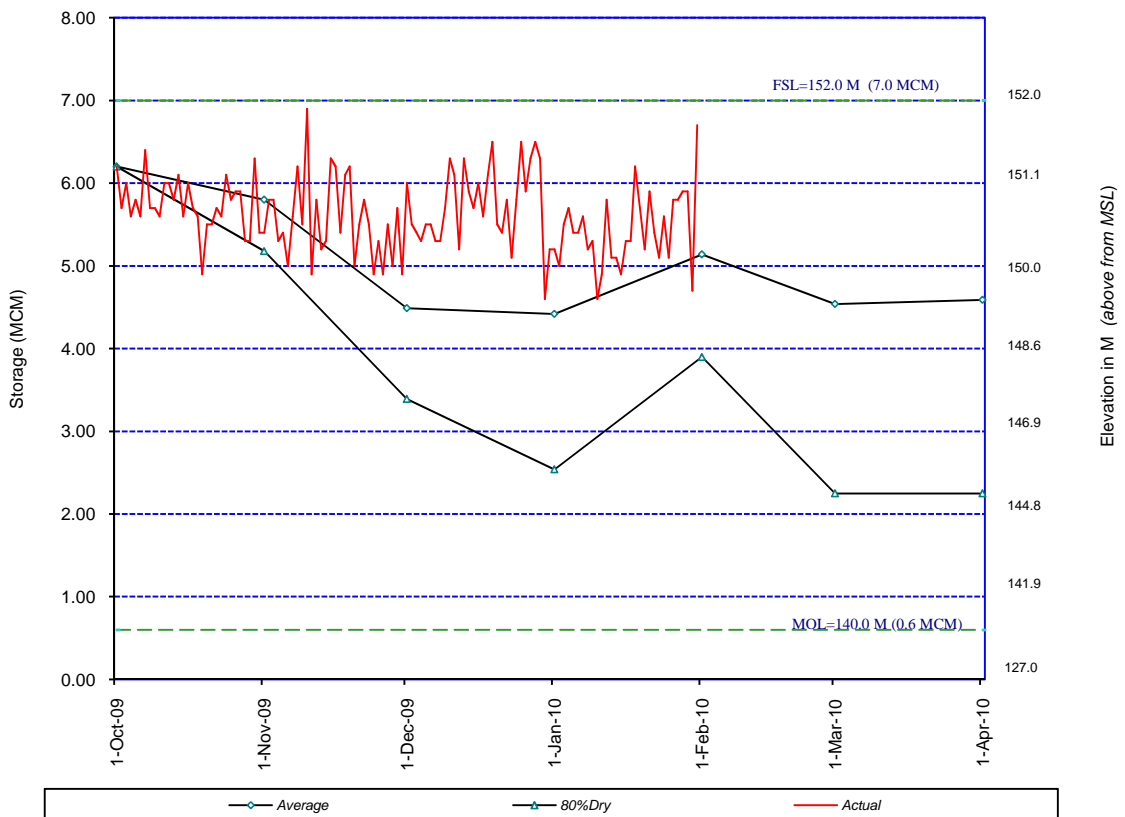


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**Fig: 3.15 - RANDENIGALA**

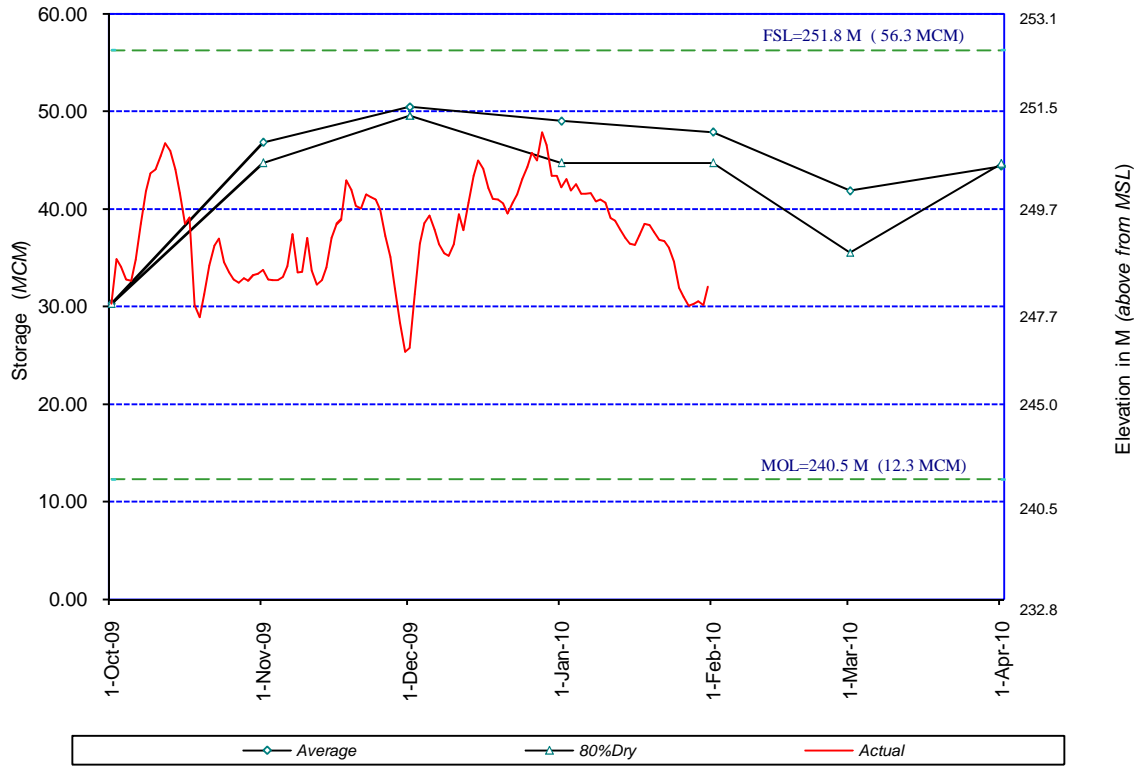


**Fig: 3.16 - RANTEMBE**

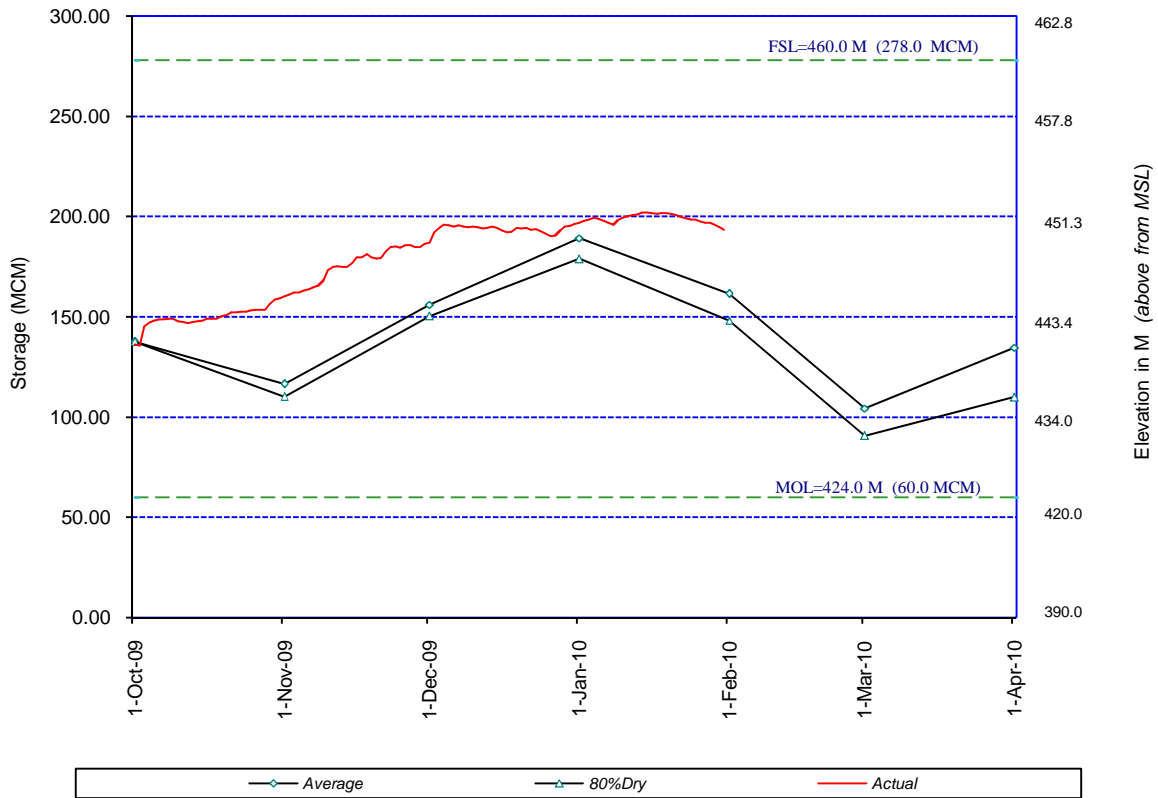


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**Fig. 3.17 - BOWATENNA**



**Fig. 3.18 - SAMANALAWEWA**



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Fig: 4.11 - KANDALAMA

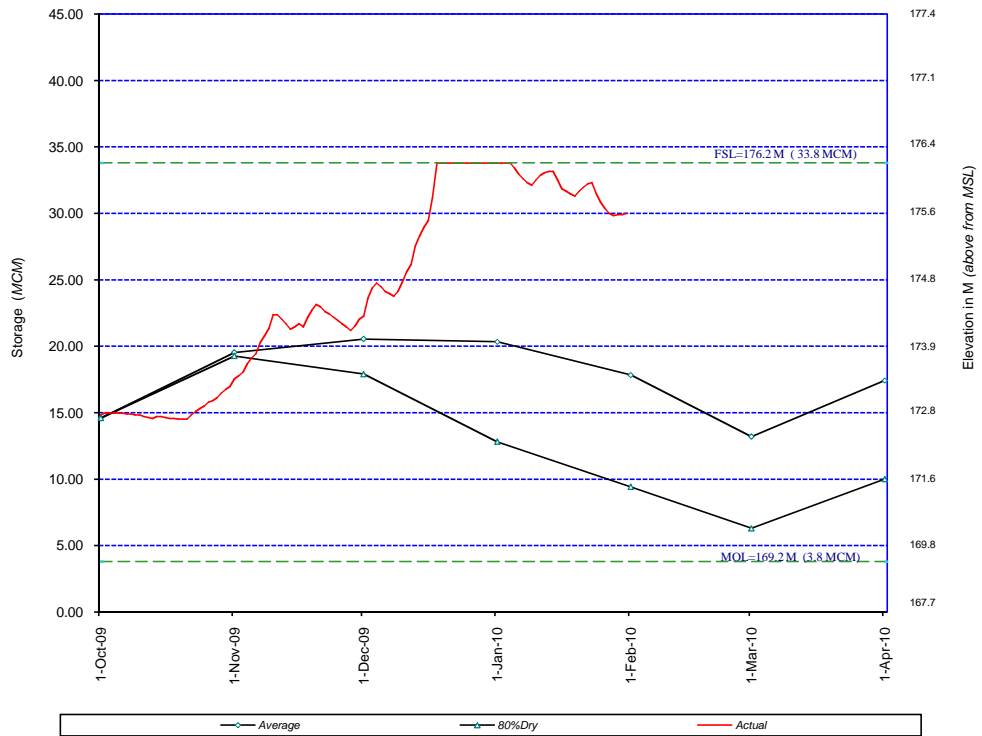
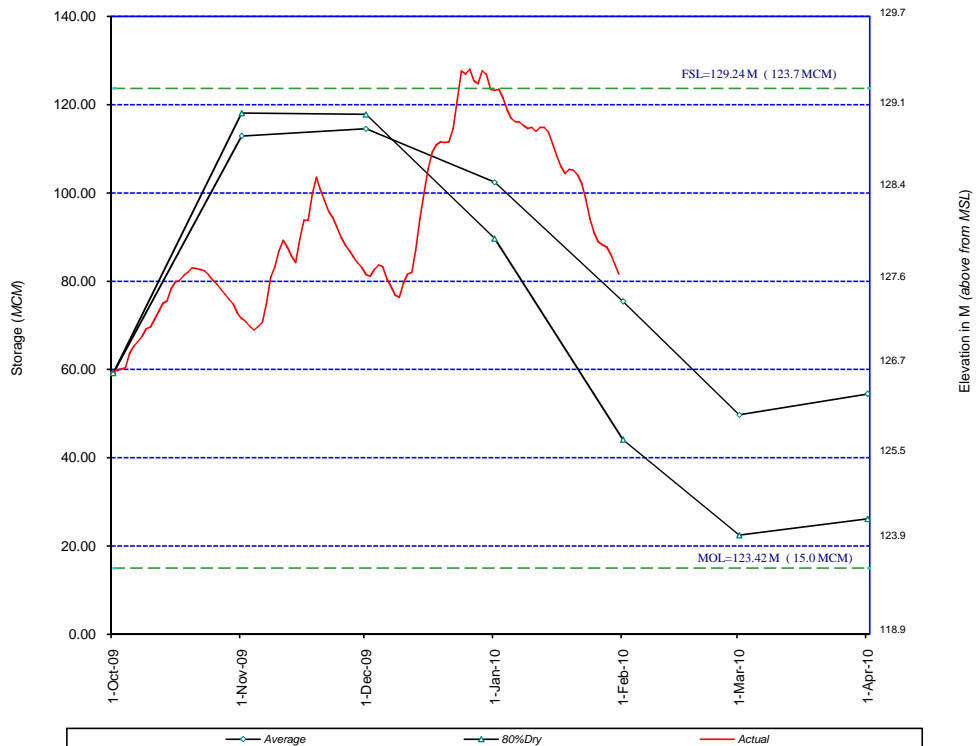
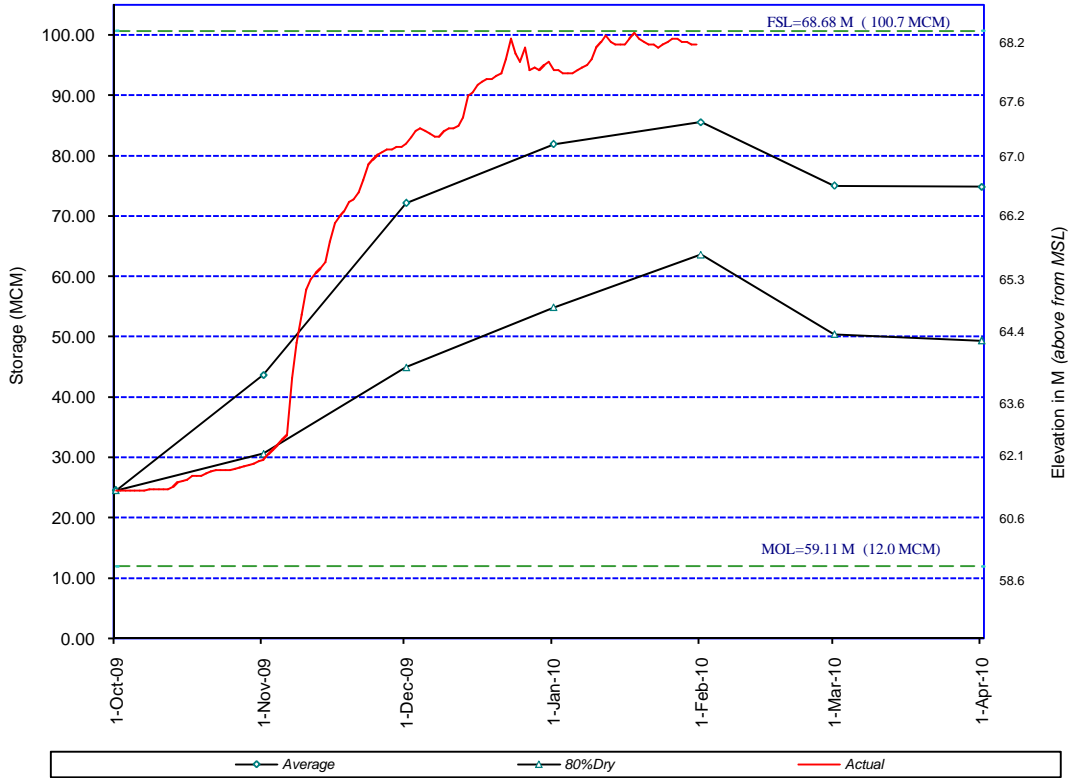


Fig: 4.12 - KALAWEWA

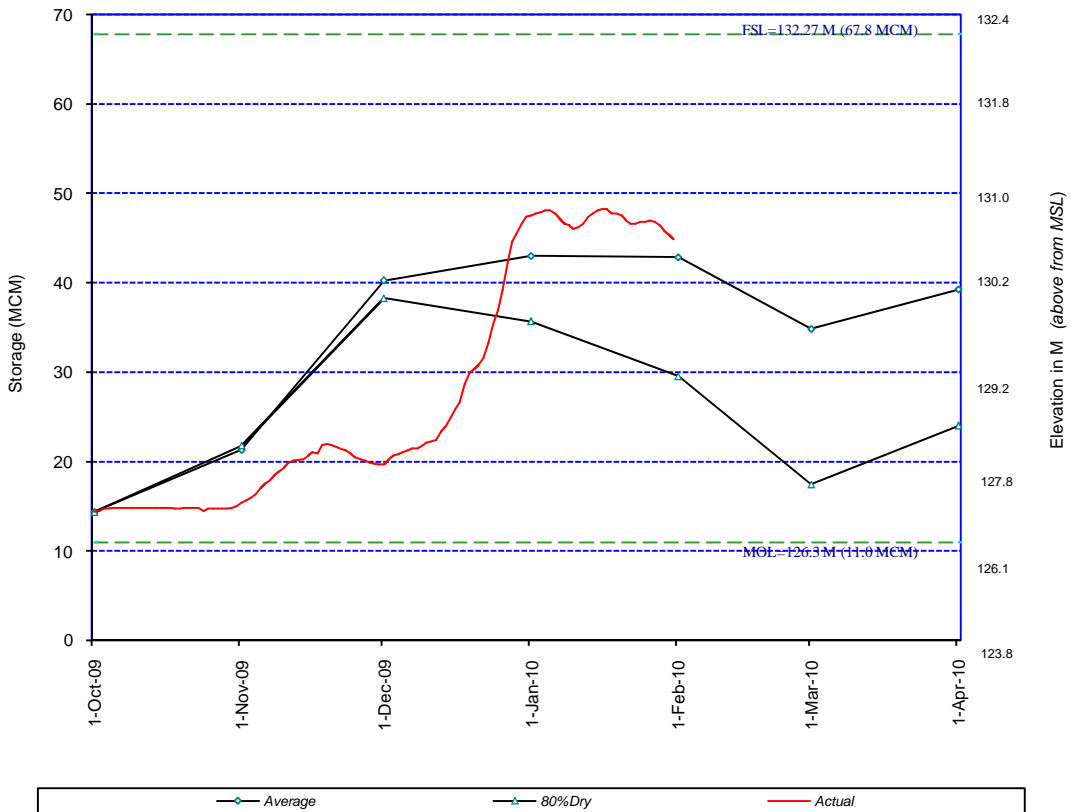


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**Fig: 4.13 - RAJANGANA**

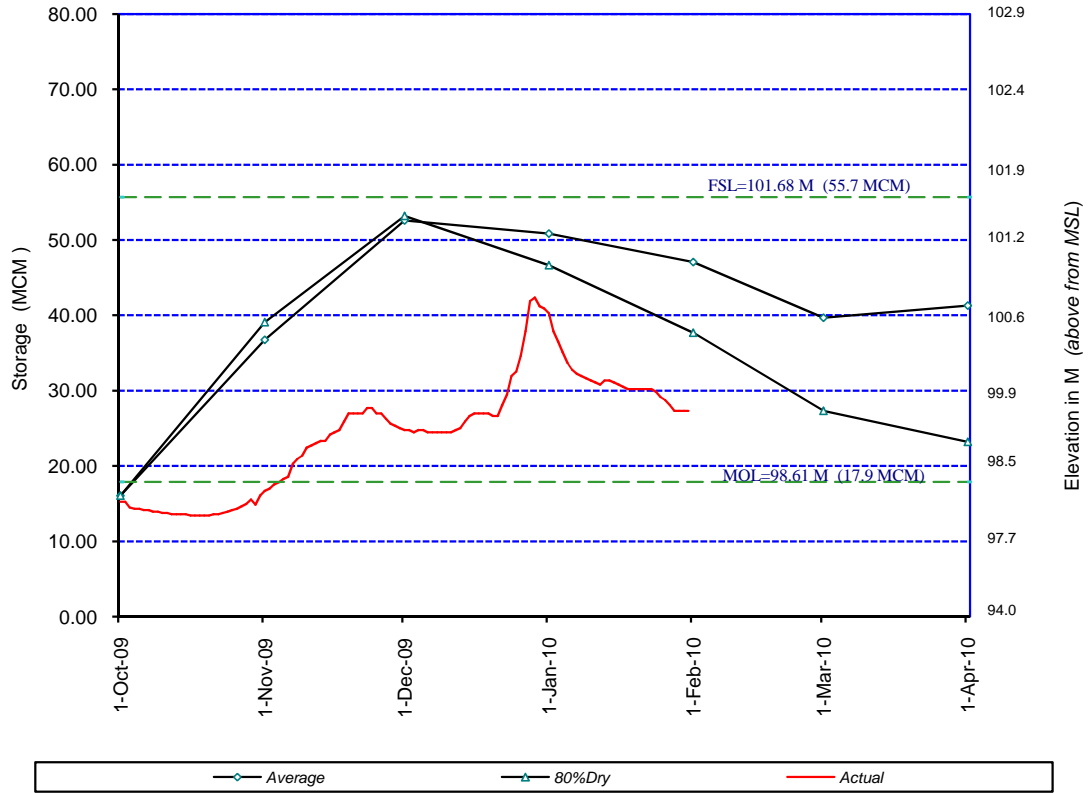


**Fig: 4.21 - HURULUWEWA**

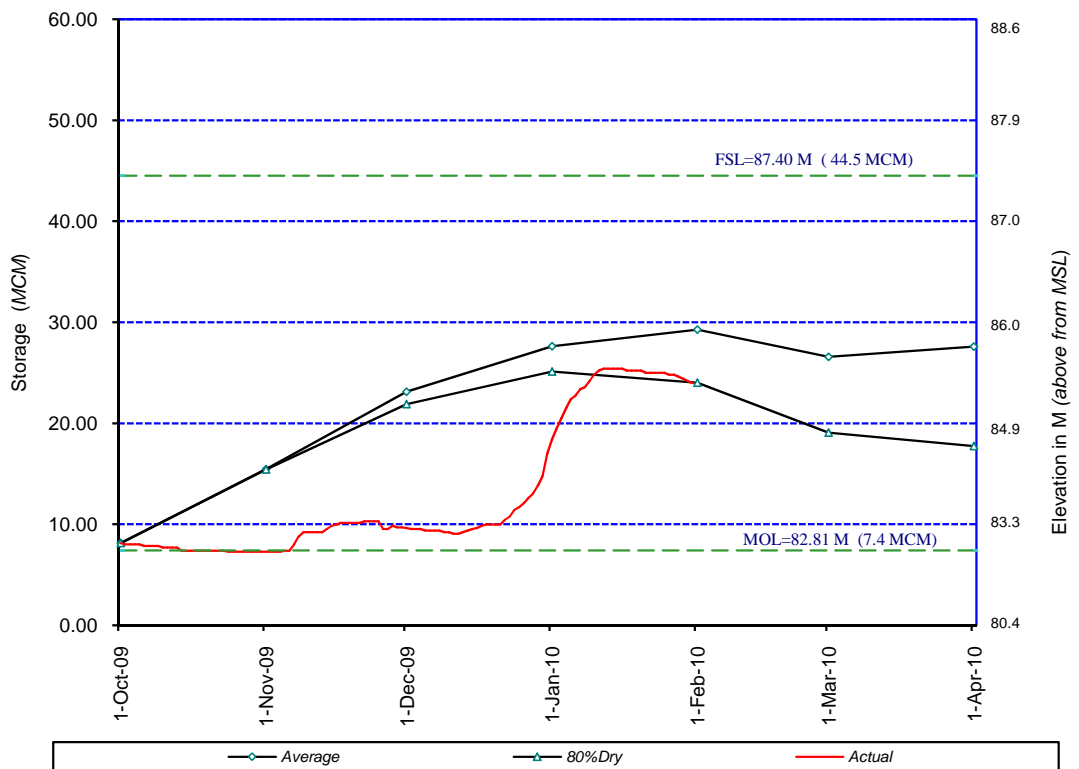


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**Fig: 4.22 - NACHCHADUWA**

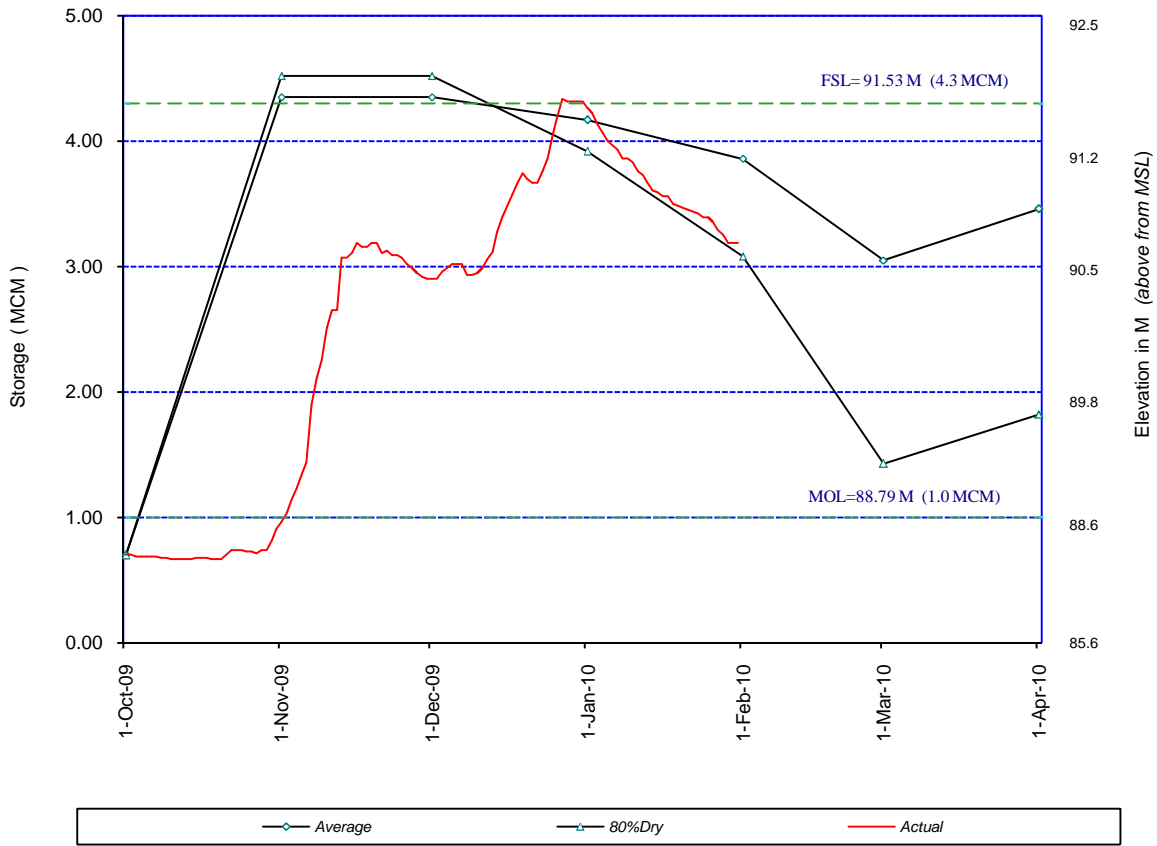


**Fig: 4.23 - NUWARAWEWA**



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**Fig: 4.24 - TISSAWEWA**

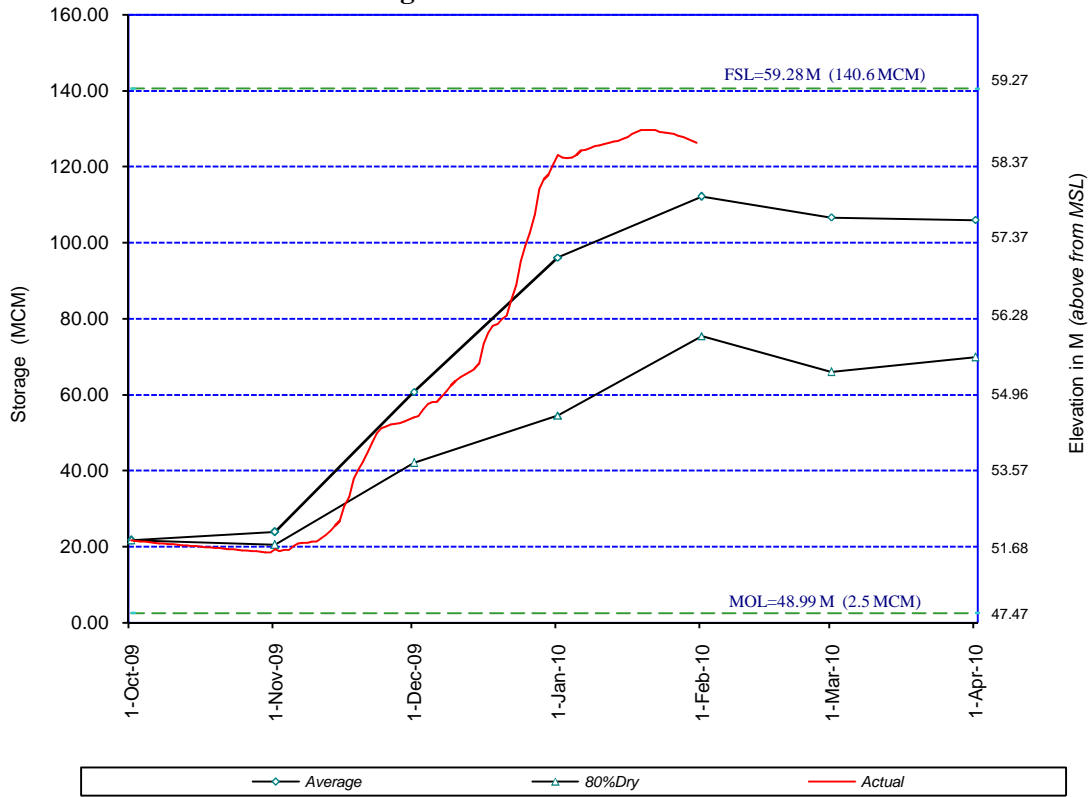


**Fig: 4.31 - GIRITALE**

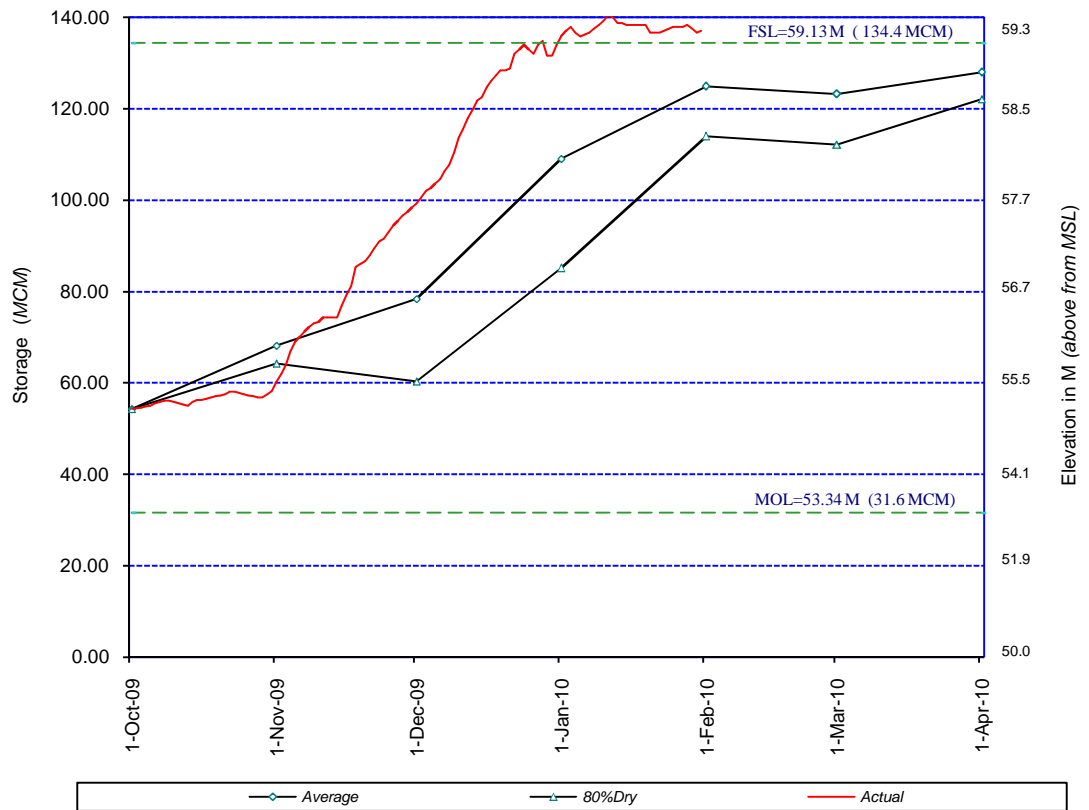


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**Fig: 4.34 - KANTALE**

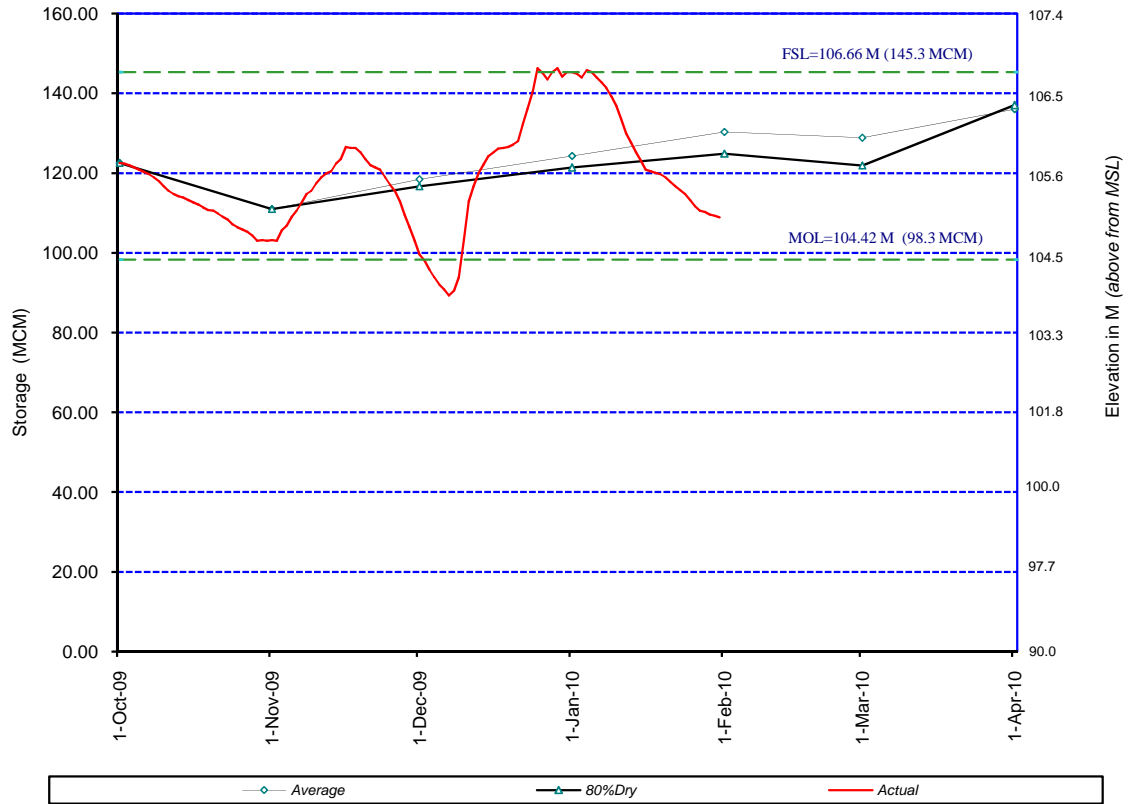


**Fig: 4.35 - PARAKRAMA SAMUDRAYA**

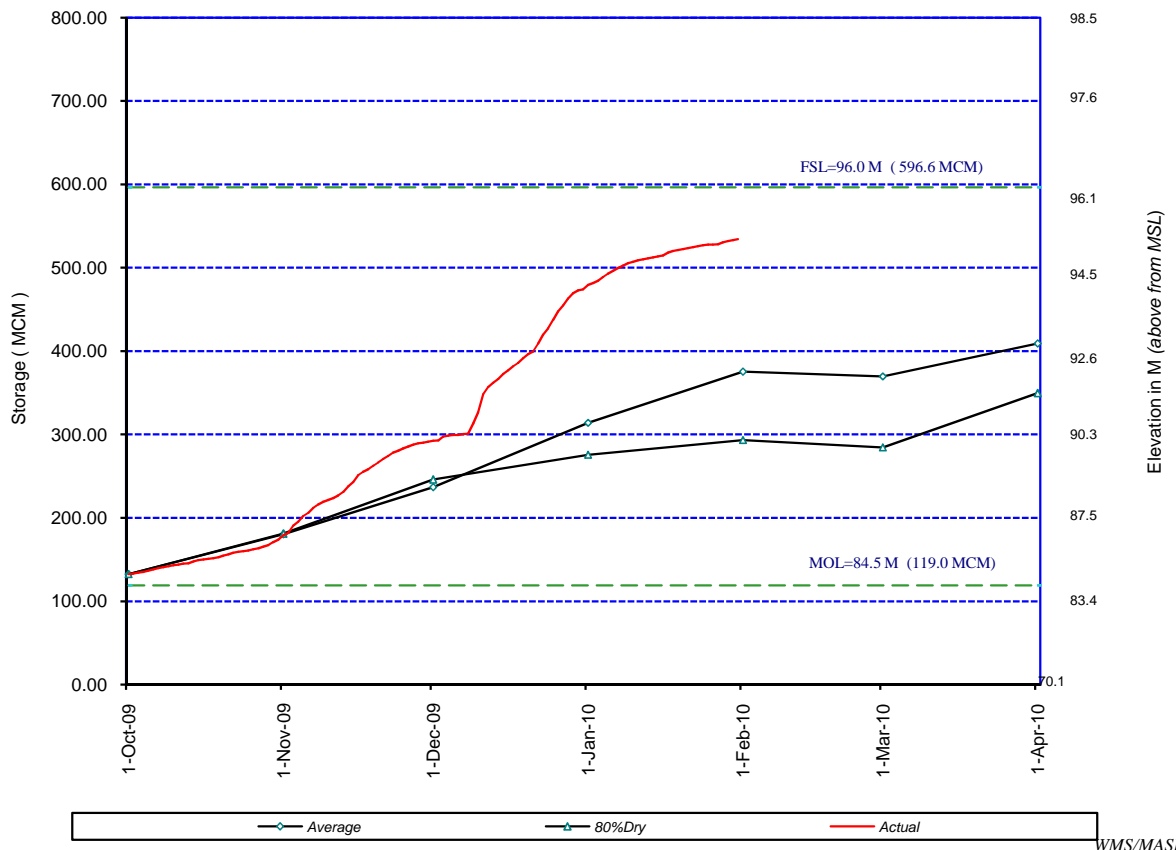


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**Fig: 4.41 - ULHITIYA / RATKINDA**

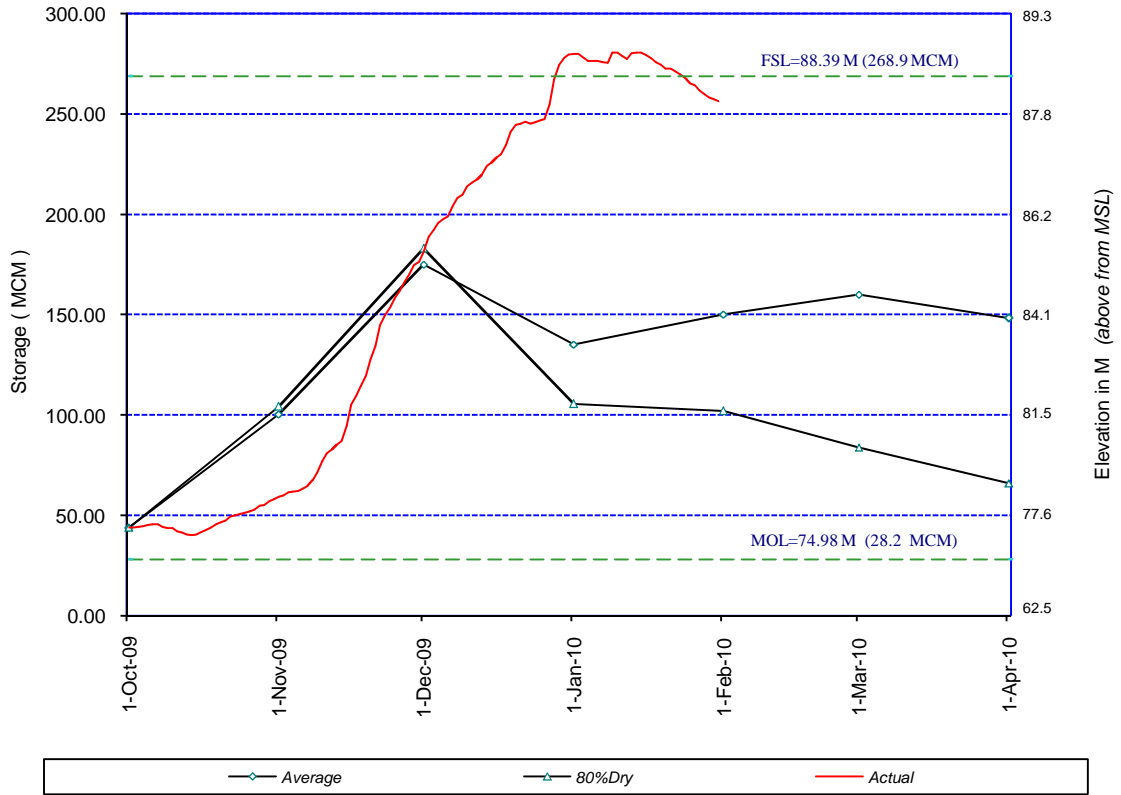


**Fig: 4.42 - MADURU OYA**



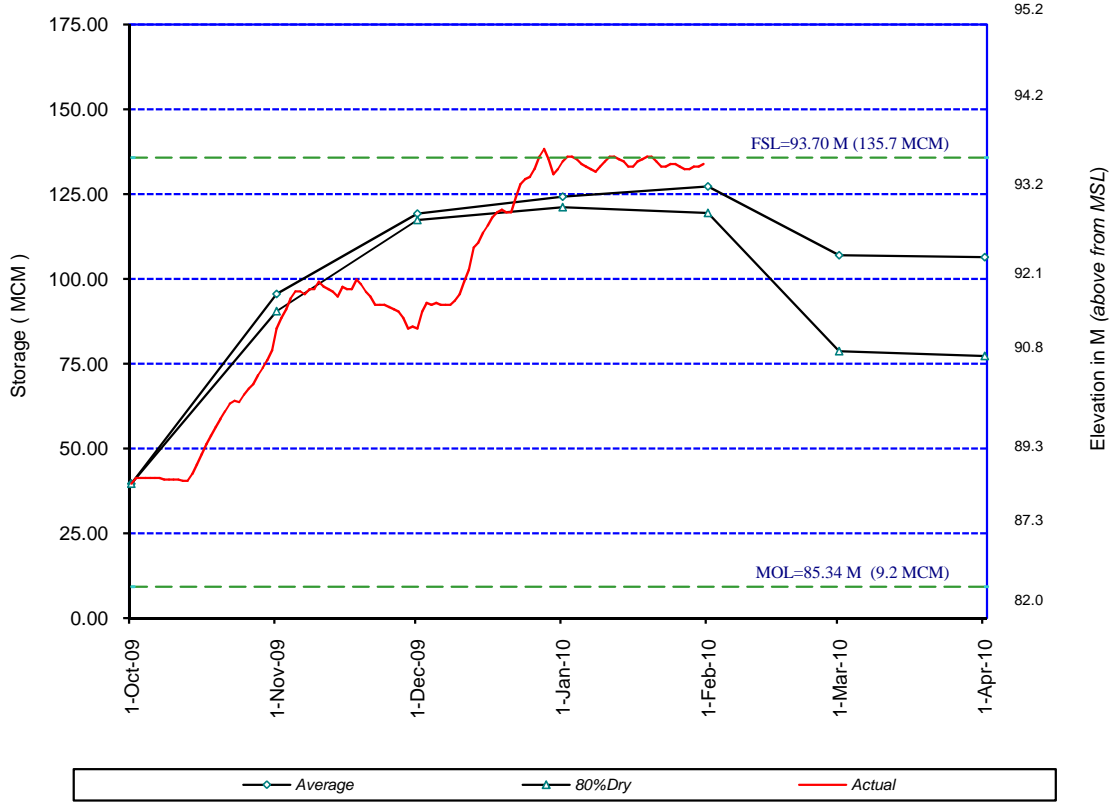
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**Fig: 4.51 - UDAWALAWE**



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**Fig: 4.32 - MINNERIYA**



**Fig: 4.33 - KAUDULLA**

