

**Seasonal Operation Plan  
Yala 2024**

## SEASONAL OPERATING PLAN – Yala 2024

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## **1. INTRODUCTION**

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This Seasonal Operating Plan presents the results of planning efforts in the area of water resources management in the Mahaweli and its allied basins over the Yala 2024 cropping season. The system has been analyzed on a monthly basis for its irrigation and hydropower potential, taking into account hydrological uncertainties.

This document presents the planning assumptions, and summarizes anticipated irrigation water balances, irrigation diversion schedules and anticipated reservoir trajectories and provides estimates of energy generation. Information is presented in Metric units with appropriate conversion factors at the bottom of each table.

## **2. BASIS FOR PLANNING**

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The following basis for planning has been adopted in preparing the Seasonal Operating Plan.

### **2.1 HYDROLOGY**

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Thirty years of recent hydrologic record has been used in examining alternatives. As in the past, dry hydrologic conditions were used to estimate the reliable irrigation water supply, capable of supporting the planned crop with a high degree of reliability. This has been done with the intention of giving a higher priority to irrigation requirements. Diversions and energy generation have also been calculated on the basis of 'Average' hydrologic conditions to indicate the effect of hydrologic variability.

### **2.2 MACRO-SYSTEM DIVERSIONS**

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The following assumptions, priorities and mandatory releases have been adopted in the calculation of Macro system diversions.

#### **2.2.1 ASSUMPTIONS**

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- Uncontrolled river flows are assumed to be 90% effective in satisfying the diversion requirements at structures with little head pond storage (Polgolla, Minipe, Elahera, Angamedilla and Kandakadu). Diversions at Polgolla will only be made to meet irrigation deficits along the Amban Ganga. Power plants will be operated in such a way that spilling at downstream diversion points will be minimized.
- In the irrigation systems, the following average and dry rainfall figures have been observed over the period of simulation.

System	Maha Rainfall (mm)	
	Average	Dry
H	443	399
IH	466	446
MH	431	388
G	445	280
D1	447	312
D2	347	229
E	653	712
C	496	345
B	332	164
A	385	510
UW	722	709

## 2.2.2 PRIORITIES

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In diversions to irrigation systems, those having no regulation facilities (tanks) are given the highest priority. Those areas with large regulation in relation to implemented cropped area are given the lowest priority.

## 2.3 IRRIGATION SYSTEMS

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The following data and methodology have been adopted in calculating irrigation scheme water requirements.

### 2.3.1 CROP DATA

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Target cropping patterns, namely the crop type, extent of each type, starting dates and duration are estimated initially by the irrigation management agencies responsible for the particular irrigation scheme (MASL & ID). These data may subsequently be altered to suit the overall availability of water.

### 2.3.2 IRRIGATION REQUIREMENTS

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The irrigation requirements of each scheme are estimated on the basis of hydrology, soil type, crop type, canal distribution system, and recent experience with water use efficiency. This leads to the estimation of sluice issue requirements for each scheme.

### 2.3.3 DIVERSION REQUIREMENTS

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Knowing the irrigation requirement from the sluice of each tank and the local runoff, tank operation is simulated over the season. This yields the requirement for diversion into the tank and finally the requirement for diversion into the particular irrigation system.

## 2.4 ENERGY GENERATION

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The following procedure has been adopted in estimating the energy generation to be expected from each individual plant both in Mahaweli and Kelani complexes and also from thermal plants.

### 2.4.1 ENERGY DEMAND

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Energy and peak-power demands over the season have been estimated by CEB for this exercise, and are shown in summary.

### 2.4.2 PLANT AVAILABILITY

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The plants are assumed to be available during the season as indicated in the summary.

### 2.4.3 GENERATION

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Expected hydro energy generation is subjected to uncertainty due to variability of catchment inflow supplying reservoirs and regulating ponds. The availability of hydro energy in Mahaweli and Walawe systems have been estimated initially based on projected irrigation requirements where as in Kelani system, the availability of extra energy has been estimated based on reservoir volumes lying above their operating rule curves. If the energy generated as above is found to be inadequate in meeting the demand, thermal energy is then used to supplement the generation. If the demand is still found to be excessive, Kelani, Mahaweli and Walawe hydro plants are used respectively to fill in the gap until each plant reaches its generating capacity. Further shortfall, if any, is identified as a failure.

## 2.5 SPECIAL CONSIDERATIONS FOR PLANNING

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1. Simulations for this report were started with the estimated reservoir/tank conditions as at the beginning of April 2024
2. When a reservoir drops below its Rule Curve level, power flow releases will be made only when such releases are required for irrigation too.

## 3 THE PLAN

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The following summarizes the results of planning for the Yala 2024 season.

### 3.1 MACRO SYSTEM

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Details on monthly calculations for the Macro system are given in Appendix 1.

#### 3.1.1 DIVERSSIONS

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Table 1.1A gives the projected diversions at the following locations:

- Polgolla
- Bowatenna
- Elahera
- Angamedilla
- Minipe
- Kandakadu

#### 3.1.2 ENERGY GENERATION AND RESERVOIR BEHAVIOUR

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Details of potential energy generation and reservoir behavior are given in the following tables and figures:

- Table 1.1B1-System energy generation-Mahaweli
- Table 1.1B2-System energy generation-Kelani
- Table 1.1B3-System energy generation-Thermal
- Table 1.2A & Figure Castlereagh
- Table 1.2B & Figure Moussakele
- Table 1.2C-& Figure Samanalawewa
- Table 1.2D & Figure Kotmale
- Table 1.2E - Polgolla
- Table 1.2F & Figure Victoria
- Table 1.2G & Figure-Randenigala
- Table 1.2H & Figure Rantembe
- Table 1.2I & Figure Bowatenna
- Table 1.1J & Figure Moraghakanda

### 3.2 IRRIGATION SYSTEMS

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Details of monthly calculations for the following irrigation systems are presented in Appendix 2.

- Systems H,IH & MH
- Systems D1 & G
- System D2
- System E

- System C
- System B
- System A

### 3.2.1 SYSTEMS H,IH & MH

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As in the past, the diversion to Kalawewa is given a high priority due to its small storage in relation to the cropped extents. The plan for diversions within the system is given in Table 2.1A. Cropping extents in Table 2.1B, anticipated water issues in Table 2.1C and tank trajectories are given in Table 2.1D and Figures in pages F - 5 through F - 7

### 3.2.2 SYSTEMS D1, D2 & G

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As in the past, highest priority in distributing the available diversion water is given to the Elahera scheme due to the lack of a tank for local regulation. The plan for diversions within the system is shown in Table 2.2A. Cropped extents in Table 2.2B, anticipated water use in Table 2.2C and tank trajectories are given in Table 2.2D and relevant figures in pages F-8 through F- 10.

### 3.2.3 SYSTEM E

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Since system E does not have regulating tanks within it, planning is restricted to an estimation of cropped area, water use and required diversion volume.

This plan only deals with cropping in the new areas of system C and therefore calculations have not been carried out for Zone 1. The cropping in system B is limited to left bank only.

Since system A has only negligible storage within it, planning is restricted to an estimation of cropped area, water use and required diversion volume.

Uda Walawe reservoir now receives regulated water supplies from Samanalawewa reservoir. Table 2.3A gives the plan for diversion while cropped extents are in Table 2.3B and anticipated water use are given in Table 2.3C while projected tank trajectories are given in Table 2.3D. The relevant figures are from pages F-10 through F-11.

## 4. OPERATION

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Seasonal Operating Plan, covering a period of 6 months, has been prepared by taking the following information into consideration.

- Estimated energy and power demands;
- Estimated irrigation demands
- Diversion and generation capacities of the system
- Actual system status at the beginning of April 2024
- Hydrology of past 30 years
- Proposed maintenance schedules of power plants and other structures

Due to the involvement of hydrology, which introduces considerable uncertainty, the deviation of actual system operation from the plan may increase with time, once operation begins. Should such deviations become very marked, an update of the plan will be undertaken mid season, incorporating the system status as at that time.

**Table 2A**  
**System Power and Energy Demand**

Demand	Mar-2024	Apr-2024	May-2024	Jun-2024	Jul-2024	Aug-2024	Sep-2024
Peak Power	2523	2418	2552	2587	2580	2567	2536
Energy - MW*	1862	1772	1852	1874	1884	1888	1857

\*MW Continous

**Table 2B**  
**Plant Availability**

Power Station	Capacity MW	Mar-2024	Apr-2024	May-2024	Jun-2024	Jul-2024	Aug-2024	Sep-2024
Upper Kotmale	150	145	145	145	144	144	144	144
Kotmale	201	201	185	158	164	169	200	201
Victoria	210	210	210	172	156	144	210	210
Randenigala	120	112	110	100	94	47	52	93
Rantembe	50	50	50	50	49	49	25	35
Ukuwela	40	40	40	39	38	37	21	30
Bowatenna	40	7	30	35	19	2	35	35
Sub Total	811	765	770	699	664	592	687	748
Canyon	60	50	50	50	50	50	50	50
New Laxapana	100	94	95	94	93	94	93	93
Polpitya	75	72	73	71	71	71	71	71
Wimalasurendra	50	47	47	47	48	49	49	50
Old Laxapana	50	50	50	50	50	50	50	50
Samanala	120	119	120	120	120	64	120	119
Kukule	70	70	70	69	70	70	70	69
Min Hydro	415	415	415	415	415	415	415	415
Sub Total	940	917	920	916	917	863	918	917
Diesel	180	159	135	136	149	146	141	146
Steam	40	0	0	0	0	0	0	0
Gas	400	294	294	294	294	294	294	294
Private Power	1077	524	389	254	524	524	524	524
Coal	810	1787	1628	1494	1506	1504	1769	1638
Sub Total	2507	2764	2446	2178	2473	2468	2728	2602
Grand Total	4258	4446	4136	3793	4054	3923	4333	4267

**Table 1.1A**  
**Mahawel Complex Projected Diversions**

**Table 1.1B1**  
**System Energy Generation - Mahaweli**

**Table 1.1B2**  
**System Energy Generation - Kelani**

**Table 1.1B3**  
**System Energy Generation - Thermal**

**Table 1.2A**  
**Projected Macro System Reservoir Behavior-Castlereagh**

**Table 1.2B**  
**Projected Macro System Reservoir Behavior-Mousakelle**

**Table 1.2C**  
**Projected Macro System Reservoir Behavior-Samanalawewa**

**Table 1.2D**  
**Projected Macro System Reservoir Behavior-Kotmale**

**Table 1.2E**  
**Projected Macro System Reservoir Behavior-Polgolla**

**Table 1.2F**  
**Projected Macro System Reservoir Behavior-Victoria**

**Table 1.2G**  
**Projected Macro System Reservoir Behavior-Randenigala**

**Table 1.2H**  
**Projected Macro System Reservoir Behavior-Rantembe**



**Table 1.2J**  
**Projected Macro System Reservoir Behavior-Moragahakanda**

**Table 2.1A****Projected System H Diversions**

Divisions From	To	Hydro Condition	Monthly Diversion Volume (MCM)						
			Apr-2024	May-2024	Jun-2024	Jul-2024	Aug-2024	Sep-2024	Total
Bowatenne	Dambulu Oya	Average	57.4	56.0	53.5	56.2	54.6	50.0	327.8
	Dambulu Oya	Dry	63.5	56.2	53.8	56.2	56.2	54.4	340.5
	Dambulu Oya	Actual	NA	NA	NA	NA	NA	NA	NA
Bowatenne	KHF Canal	Average	13.1	19.8	19.6	19.5	16.5	15.6	104.0
	KHF Canal	Dry	9.8	19.6	19.6	19.6	17.1	16.5	102.2
	KHF Canal	Actual	NA	NA	NA	NA	NA	NA	NA
KHFC @ KHB Kandalama		Average	2.1	9.1	8.1	10.4	11.4	12.6	53.8
		Dry	0.0	7.6	7.6	11.6	11.8	14.9	53.4
		Actual	NA	NA	NA	NA	NA	NA	NA
Dambulu Oya	Kalawewa	Average	63.0	54.6	48.4	53.8	55.0	50.7	325.6
	Kalawewa	Dry	71.0	51.3	48.2	53.9	56.2	54.4	335.0
	Kalawewa	Actual	NA	NA	NA	NA	NA	NA	NA

**Cropping Data 2.1B**  
**Dambulu Oya**

Type of Crop	Extent of Crop (Ha)		First Day of Water Issue		Last Day of Water Issue	
	Proposed	Actual	Proposed	Actual	Proposed	Actual
Paddy	1380	NA	03-25-2024	NA	07-14-2024	NA
Upland Crops	920	NA	03-25-2024	NA	07-07-2024	NA
Total	2300	%var				

**Table 2.1B**  
**Projected Irrigation System Water Use - Dambulu Oya**

Item Description	Hydro Condition	Monthly Values							Total
		Mar-2024	Apr-2024	May-2024	Jun-2024	Jul-2024	Aug-2024	Sep-2024	
Water Issues (MCM)	Average	0.8	5.9	4.3	5.3	2.7	0.0	0.0	19.0
	Dry	0.8	5.9	4.0	5.5	2.8	0.0	0.0	19.0
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Water Duty (m)	Average	0.0	0.3	0.2	0.2	0.1	0.0	0.0	0.8
	Dry	0.0	0.3	0.2	0.2	0.1	0.0	0.0	0.8
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
End Storage (MCM)	Average	18.8	18.8	18.8	18.8	18.8	18.8	18.8	NA
	Dry	18.8	18.8	18.8	18.8	18.8	18.8	18.8	NA
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Rain fall (mm)	Average	69.0	170.9	72.1	18.7	20.2	28.2	64.3	443.5
	Dry	39.4	177.5	98.5	8.9	20.6	3.7	51.1	399.7
	Actual	NA	NA	NA	NA	NA	NA	NA	NA

Note : 1 MCM = 0.81 TAF

1 Ha = 2.47 Acres

1 m = 3.28 Ft

**Cropping Data 2.1C**  
**KHFC Scheme**

Type of Crop	Extent of Crop (Ha)		First Day of Water Issue		Last Day of Water Issue	
			Proposed	Actual	Proposed	Actual
	Paddy	1350	NA	04-01-2024	NA	07-21-2024
Upland Crops	900	NA	04-01-2024	NA	07-14-2024	NA
Total	2250	%var				

**Table 2.1C**  
**Projected Irrigation System Water Use - KHFC Scheme**

Item Description	Hydro Condition	Monthly Values							Total
		Mar-2024	Apr-2024	May-2024	Jun-2024	Jul-2024	Aug-2024	Sep-2024	
Water Issues (MCM)	Average	0.0	9.4	8.7	9.5	7.1	0.0	0.0	34.8
	Dry	0.0	10.0	10.0	10.0	7.3	0.0	0.0	37.5
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Water Duty (m)	Average	0.0	0.4	0.4	0.4	0.3	0.0	0.0	1.6
	Dry	0.0	0.5	0.4	0.5	0.3	0.0	0.0	1.7
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
End Storage (MCM)	Average	NA	NA	NA	NA	NA	NA	NA	NA
	Dry	NA	NA	NA	NA	NA	NA	NA	NA
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Rain fall (mm)	Average	84.0	195.5	69.5	17.2	24.8	40.3	55.2	486.5
	Dry	9.8	81.0	2.8	12.5	25.0	21.5	35.8	188.4
	Actual	NA	NA	NA	NA	NA	NA	NA	NA

Note : 1 MCM = 0.81 TAF

1 Ha = 2.47 Acres

1 m = 3.28 Ft

**Cropping Data 2.1D**

Kandalama

Type of Crop	Extent of Crop (Ha)		First Day of Water Issue		Last Day of Water Issue	
			Proposed	Actual	Proposed	Actual
	Paddy	2700	NA	03-25-2024	NA	07-14-2024
Upland Crops	1800	NA	03-25-2024	NA	07-07-2024	NA
Total	4500	%var				

**Table 2.1D**

Projected Irrigation System Water Use - Kandalama

Item Description	Hydro Condition	Monthly Values							Total
		Mar-2024	Apr-2024	May-2024	Jun-2024	Jul-2024	Aug-2024	Sep-2024	
Water Issues (MCM)	Average	1.4	14.5	11.2	13.5	6.9	0.0	0.0	47.5
	Dry	1.4	14.3	10.5	14.1	7.1	0.0	0.0	47.5
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Water Duty (m)	Average	0.0	0.3	0.3	0.3	0.2	0.0	0.0	1.1
	Dry	0.0	0.3	0.2	0.3	0.2	0.0	0.0	1.1
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
End Storage (MCM)	Average	34.5	25.4	20.7	13.2	13.7	24.2	34.0	NA
	Dry	35.0	20.8	14.3	7.4	7.4	18.6	32.6	NA
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Rain fall (mm)	Average	69.0	170.9	72.1	18.7	20.2	28.2	64.3	443.5
	Dry	39.4	177.5	98.5	8.9	20.6	3.7	51.1	399.7
	Actual	NA	NA	NA	NA	NA	NA	NA	NA

Note : 1 MCM = 0.81 TAF

1 Ha = 2.47 Acres

1 m = 3.28 Ft

**Cropping Data 2.1E**

Kalawewa RB

Type of Crop	Extent of Crop (Ha)		First Day of Water Issue		Last Day of Water Issue	
			Proposed	Actual	Proposed	Actual
	Paddy	8404	NA	04-01-2024	NA	08-04-2024
Upland Crops	5603	NA	04-01-2024	NA	07-14-2024	NA
Total	14007	%var				

**Table 2.1E**

Projected Irrigation System Water Use - Kalawewa RB

Item Description	Hydro Condition	Monthly Values							Total
		Mar-2024	Apr-2024	May-2024	Jun-2024	Jul-2024	Aug-2024	Sep-2024	
Water Issues (MCM)	Average	0.0	37.4	56.4	51.3	40.2	4.5	0.0	189.8
	Dry	0.0	37.3	54.6	56.5	37.6	4.8	0.0	190.8
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Water Duty (m)	Average	0.0	0.3	0.4	0.4	0.3	0.0	0.0	1.4
	Dry	0.0	0.3	0.4	0.4	0.3	0.0	0.0	1.4
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
End Storage (MCM)	Average	102.8	99.3	69.7	30.7	22.2	63.2	90.6	NA
	Dry	103.7	102.4	70.9	24.8	18.7	61.6	66.6	NA
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Rain fall (mm)	Average	69.0	170.9	72.1	18.7	20.2	28.2	64.3	443.5
	Dry	39.4	177.5	98.5	8.9	20.6	3.7	51.1	399.7
	Actual	NA	NA	NA	NA	NA	NA	NA	NA

Note : 1 MCM = 0.81 TAF

1 Ha = 2.47 Acres

1 m = 3.28 Ft

**Cropping Data 2.1F**

Kalawewa YE

Type of Crop	Extent of Crop (Ha)		First Day of Water Issue		Last Day of Water Issue	
			Proposed	Actual	Proposed	Actual
	Paddy	2833	NA	03-25-2024	NA	07-14-2024
Upland Crops	1888	NA	03-25-2024	NA	07-07-2024	NA
Total	4721	%var				

**Table 2.1F**

Projected Irrigation System Water Use - Kalawewa YE

Item Description	Hydro Condition	Monthly Values							Total
		Mar-2024	Apr-2024	May-2024	Jun-2024	Jul-2024	Aug-2024	Sep-2024	
Water Issues (MCM)	Average	1.3	13.7	10.2	12.6	6.5	0.0	0.0	44.3
	Dry	1.3	13.5	9.4	13.2	6.6	0.0	0.0	44.0
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Water Duty (m)	Average	0.0	0.3	0.2	0.3	0.1	0.0	0.0	0.9
	Dry	0.0	0.3	0.2	0.3	0.1	0.0	0.0	0.9
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
End Storage (MCM)	Average	NA	NA	NA	NA	NA	NA	NA	NA
	Dry	NA	NA	NA	NA	NA	NA	NA	NA
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Rain fall (mm)	Average	69.0	170.9	72.1	18.7	20.2	28.2	64.3	443.5
	Dry	39.4	177.5	98.5	8.9	20.6	3.7	51.1	399.7
	Actual	NA	NA	NA	NA	NA	NA	NA	NA

Note : 1 MCM = 0.81 TAF

1 Ha = 2.47 Acres

1 m = 3.28 Ft

**Cropping Data 2.1G**

Kalawewa LB

Type of Crop	Extent of Crop (Ha)		First Day of Water Issue		Last Day of Water Issue	
	Proposed	Actual	Proposed	Actual	Proposed	Actual
Paddy	3982	NA	04-01-2024	NA	07-14-2024	NA
Upland Crops	2655	NA	04-01-2024	NA	07-07-2024	NA
Total	6637	%var				

**Table 2.1G**

**Projected Irrigation System Water Use - Kalawewa LB**

Item Description	Hydro Condition	Monthly Values							Total
		Mar-2024	Apr-2024	May-2024	Jun-2024	Jul-2024	Aug-2024	Sep-2024	
Water Issues (MCM)	Average	0.0	20.0	19.8	21.7	16.9	0.0	0.0	78.8
	Dry	0.0	19.9	18.7	22.7	17.3	0.0	0.0	78.9
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Water Duty (m)	Average	0.0	0.3	0.3	0.3	0.3	0.0	0.0	1.2
	Dry	0.0	0.3	0.3	0.3	0.3	0.0	0.0	1.2
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
End Storage (MCM)	Average	NA	NA	NA	NA	NA	NA	NA	NA
	Dry	NA	NA	NA	NA	NA	NA	NA	NA
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Rain fall (mm)	Average	69.0	170.9	72.1	18.7	20.2	28.2	64.3	443.5
	Dry	39.4	177.5	98.5	8.9	20.6	3.7	51.1	399.7
	Actual	NA	NA	NA	NA	NA	NA	NA	NA

Note : 1 MCM = 0.81 TAF

1 Ha = 2.47 Acres

1 m = 3.28 Ft

**Cropping Data 2.1H**

Rajangana

Type of Crop	Extent of Crop (Ha)		First Day of Water Issue		Last Day of Water Issue	
	Proposed	Actual	Proposed	Actual	Proposed	Actual
Paddy	7214	NA	03-20-2024	NA	07-09-2024	NA
Upland Crops	0	NA		NA		NA
Total	7214	%var				

**Table 2.1H**

**Projected Irrigation System Water Use - Rajangana**

Item Description	Hydro Condition	Monthly Values							Total
		Mar-2024	Apr-2024	May-2024	Jun-2024	Jul-2024	Aug-2024	Sep-2024	
Water Issues (MCM)	Average	11.3	26.7	19.3	22.0	6.0	0.0	0.0	85.4
	Dry	11.3	29.6	21.7	23.0	6.3	0.0	0.0	91.9
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Water Duty (m)	Average	0.2	0.4	0.3	0.3	0.1	0.0	0.0	1.2
	Dry	0.2	0.4	0.3	0.3	0.1	0.0	0.0	1.3
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
End Storage (MCM)	Average	89.7	82.3	81.8	70.7	74.1	73.7	73.4	NA
	Dry	86.0	76.2	68.7	57.4	61.3	60.7	60.4	NA
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Rain fall (mm)	Average	66.9	160.2	62.8	17.2	17.0	22.4	45.5	392.1
	Dry	25.7	87.2	17.7	0.5	1.5	0.0	51.6	184.2
	Actual	NA	NA	NA	NA	NA	NA	NA	NA

Note : 1 MCM = 0.81 TAF

1 Ha = 2.47 Acres

1 m = 3.28 Ft

**Cropping Data 2.1I**

Neela Bemma

Type of Crop	Extent of Crop (Ha)		First Day of Water Issue		Last Day of Water Issue	
			Proposed	Actual	Proposed	Actual
	Paddy	469	NA	04-10-2024	NA	07-30-2024
Upland Crops	221	NA	04-15-2024	NA	07-28-2024	NA
Total	690	%var				

**Table 2.1I**

Projected Irrigation System Water Use - Neela Bemma

Item Description	Hydro Condition	Monthly Values							Total
		Mar-2024	Apr-2024	May-2024	Jun-2024	Jul-2024	Aug-2024	Sep-2024	
Water Issues (MCM)	Average	0.0	1.4	2.0	1.7	1.6	0.0	0.0	7.0
	Dry	0.0	1.4	2.2	1.8	1.7	0.0	0.0	7.3
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Water Duty (m)	Average	0.0	0.2	0.3	0.3	0.2	0.0	0.0	1.0
	Dry	0.0	0.2	0.3	0.3	0.2	0.0	0.0	1.1
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
End Storage (MCM)	Average	NA	NA	NA	NA	NA	NA	NA	NA
	Dry	NA	NA	NA	NA	NA	NA	NA	NA
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Rain fall (mm)	Average	66.9	160.2	62.8	17.2	17.0	22.4	45.5	392.1
	Dry	25.7	87.2	17.7	0.5	1.5	0.0	51.6	184.2
	Actual	NA	NA	NA	NA	NA	NA	NA	NA

Note : 1 MCM = 0.81 TAF

1 Ha = 2.47 Acres

1 m = 3.28 Ft

**Table 2.2A****Projected Irrigation System Diversions - System MH + IH**

Diversions From	Hydro Condition	Monthly Diversion Volume (MCM)							Total
		Mar-2024	Apr-2024	May-2024	Jun-2024	Jul-2024	Aug-2024	Sep-2024	
KHFC @ SM Huruluwewa	Average	3.2	2.1	2.1	1.7	1.9	3.4	3.1	17.5
	Dry	2.9	0.9	9.5	0.8	0.0	0.4	0.0	14.5
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Kalawewa Nachchaduwa	Average	7.7	0.7	0.1	0.2	0.1	7.5	16.9	33.3
	Dry	11.2	0.0	0.0	0.0	0.0	5.8	18.0	35.0
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Kalawewa Tissawewa	Average	1.5	1.7	0.7	0.5	0.3	0.0	2.9	7.5
	Dry	1.7	1.7	1.1	0.0	0.0	0.0	0.0	4.5
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Nachchaduwa Nuwarawewa	Average	3.5	2.4	0.3	0.1	0.1	1.4	3.9	11.7
	Dry	3.7	0.0	0.0	0.0	0.0	0.0	3.2	7.0
	Actual	NA	NA	NA	NA	NA	NA	NA	NA

Note : 1 MCM = 0.81 TAF

**Cropping Data 2.2B**

Huruluwewa

Type of Crop	Extent of Crop (Ha)		First Day of Water Issue		Last Day of Water Issue	
			Proposed	Actual	Proposed	Actual
	Paddy	2580	NA	03-20-2024	NA	07-09-2024
Upland Crops	1720	NA	03-20-2024	NA	07-02-2024	NA
Total	4300	%var				

**Table 2.2B**

Projected Irrigation System Water Use - Huruluwewa

Item Description	Hydro Condition	Monthly Values							Total
		Mar-2024	Apr-2024	May-2024	Jun-2024	Jul-2024	Aug-2024	Sep-2024	
Water Issues (MCM)	Average	5.6	16.4	9.8	11.8	3.2	0.0	0.0	46.7
	Dry	5.6	16.6	9.2	11.7	3.3	0.0	0.0	46.5
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Water Duty (m)	Average	0.1	0.4	0.2	0.3	0.1	0.0	0.0	1.1
	Dry	0.1	0.4	0.2	0.3	0.1	0.0	0.0	1.1
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
End Storage (MCM)	Average	60.0	47.7	38.9	27.2	24.1	27.6	31.1	NA
	Dry	59.0	48.2	39.1	27.4	24.1	24.5	24.6	NA
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Rain fall (mm)	Average	76.4	134.8	72.3	16.1	26.9	52.8	86.9	466.3
	Dry	25.0	125.4	94.3	44.5	12.8	61.6	83.2	446.8
	Actual	NA	NA	NA	NA	NA	NA	NA	NA

Note : 1 MCM = 0.81 TAF

1 Ha = 2.47 Acres

1 m = 3.28 Ft

**Cropping Data 2.2C**

Nachchaduwa

Type of Crop	Extent of Crop (Ha)		First Day of Water Issue		Last Day of Water Issue	
			Proposed	Actual	Proposed	Actual
	Paddy	2643	NA	04-01-2024	NA	07-21-2024
Upland Crops	32	NA	04-01-2024	NA	07-14-2024	NA
Total	2675	%var				

**Table 2.2C**

**Projected Irrigation System Water Use - Nachchaduwa**

Item Description	Hydro Condition	Monthly Values							Total
		Mar-2024	Apr-2024	May-2024	Jun-2024	Jul-2024	Aug-2024	Sep-2024	
Water Issues (MCM)	Average	0.0	9.7	7.8	8.1	5.9	0.0	0.0	31.7
	Dry	0.0	9.1	8.6	8.5	6.1	0.0	0.0	32.4
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Water Duty (m)	Average	0.0	0.4	0.3	0.3	0.2	0.0	0.0	1.2
	Dry	0.0	0.3	0.3	0.3	0.2	0.0	0.0	1.2
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
End Storage (MCM)	Average	55.1	54.2	49.3	41.4	35.9	41.8	55.4	NA
	Dry	56.6	54.3	47.8	39.4	34.0	39.3	55.1	NA
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Rain fall (mm)	Average	66.7	174.0	61.8	12.2	21.1	31.7	63.7	431.2
	Dry	22.1	289.0	12.4	4.1	25.0	33.8	2.0	388.5
	Actual	NA	NA	NA	NA	NA	NA	NA	NA

Only for domestic use

Note : 1 MCM = 0.81 TAF

1 Ha = 2.47 Acres

1 m = 3.28 Ft

**Cropping Data 2.2D**

Nurawewwa

Type of Crop	Extent of Crop (Ha)		First Day of Water Issue		Last Day of Water Issue	
			Proposed	Actual	Proposed	Actual
	Paddy	1020	NA	03-22-2024	NA	07-04-2024
Upland Crops	0	NA		NA		NA
Total	1020	%var				

**Table 2.2D**

Projected Irrigation System Water Use - Nuwarawewwa

Item Description	Hydro Condition	Monthly Values							Total
		Mar-2024	Apr-2024	May-2024	Jun-2024	Jul-2024	Aug-2024	Sep-2024	
Water Issues (MCM)	Average	0.6	4.2	2.8	3.4	2.1	0.0	0.0	12.9
	Dry	0.6	3.8	3.1	3.5	2.1	0.0	0.0	13.1
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Water Duty (m)	Average	0.1	0.4	0.3	0.3	0.2	0.0	0.0	1.3
	Dry	0.1	0.4	0.3	0.3	0.2	0.0	0.0	1.3
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
End Storage (MCM)	Average	41.3	40.6	38.5	35.2	33.3	34.0	35.2	NA
	Dry	42.8	40.5	37.5	34.0	31.9	31.9	35.2	NA
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Rain fall (mm)	Average	66.7	174.0	61.8	12.2	21.1	31.7	63.7	431.2
	Dry	22.1	289.0	12.4	4.1	25.0	33.8	2.0	388.5
	Actual	NA	NA	NA	NA	NA	NA	NA	NA

Note : 1 MCM = 0.81 TAF

1 Ha = 2.47 Acres

1 m = 3.28 Ft

**Cropping Data 2.2E**

Tissawewa

Type of Crop	Extent of Crop (Ha)		First Day of Water Issue		Last Day of Water Issue	
			Proposed	Actual	Proposed	Actual
	Paddy	364	NA	03-20-2024	NA	07-09-2024
Upland Crops	156	NA	03-20-2024	NA	07-02-2024	NA
Total	520	%var				

**Table 2.2E**

Projected Irrigation System Water Use - Tissawewa

Item Description	Hydro Condition	Monthly Values							Total
		Mar-2024	Apr-2024	May-2024	Jun-2024	Jul-2024	Aug-2024	Sep-2024	
Water Issues (MCM)	Average	0.5	2.1	1.7	1.9	0.5	0.0	0.0	6.7
	Dry	0.5	1.7	1.9	2.0	0.5	0.0	0.0	6.6
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Water Duty (m)	Average	0.1	0.4	0.3	0.4	0.1	0.0	0.0	1.3
	Dry	0.1	0.3	0.4	0.4	0.1	0.0	0.0	1.3
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
End Storage (MCM)	Average	4.2	3.8	2.8	1.4	1.1	1.1	4.0	NA
	Dry	4.5	4.5	3.7	1.7	1.1	1.1	1.1	NA
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Rain fall (mm)	Average	66.7	174.0	61.8	12.2	21.1	31.7	63.7	431.2
	Dry	22.1	289.0	12.4	4.1	25.0	33.8	2.0	388.5
	Actual	NA	NA	NA	NA	NA	NA	NA	NA

Only for domestic use

Note : 1 MCM = 0.81 TAF

1 Ha = 2.47 Acres

1 m = 3.28 Ft

**Table 2.3A**  
**Projected Irrigation System Diversions - System D & G**

From	To	Hydro Condition	Monthly Diversion Volume (MCM)							Total
			Mar-2024	Apr-2024	May-2024	Jun-2024	Jul-2024	Aug-2024	Sep-2024	
Elahera	System D1 & G	Average	30.2	26.7	76.7	65.2	50.2	15.9	0.0	264.9
		Dry	36.6	36.5	78.9	66.7	30.9	15.4	0.0	265.0
		Actual	NA	NA	NA	NA	NA	NA	NA	NA
Diyabeduma	Giritale	Average	5.0	4.3	14.2	6.0	2.7	0.0	0.0	32.2
		Dry	5.0	4.9	16.1	3.0	0.0	0.0	0.0	29.0
		Actual	NA	NA	NA	NA	NA	NA	NA	NA
Diyabeduma	Minneriya	Average	29.7	24.9	17.9	29.9	0.2	0.0	0.0	102.6
		Dry	29.7	24.9	17.9	29.9	0.2	0.0	0.0	102.6
		Actual	NA	NA	NA	NA	NA	NA	NA	NA
Minneriya	Kaudulla	Average	2.9	1.4	0.0	0.8	0.0	0.0	0.0	5.1
		Dry	11.6	12.3	0.0	0.0	0.0	0.0	0.0	23.9
		Actual	NA	NA	NA	NA	NA	NA	NA	NA
Minneriya	Kantale	Average	4.6	15.9	6.5	1.5	0.0	0.0	0.0	28.5
		Dry	0.0	9.0	4.4	4.3	0.0	0.0	0.0	17.7
		Actual	NA	NA	NA	NA	NA	NA	NA	NA
Angamedilla	System D2	Average	0.4	16.0	30.9	18.9	17.0	9.6	10.7	103.5
		Dry	0.0	14.9	58.8	17.0	16.9	19.2	26.6	153.4
		Actual	NA	NA	NA	NA	NA	NA	NA	NA

Note : 1 MCM = 0.81 TAF

**Cropping Data 2.3B**

Elahera

Type of Crop	Extent of Crop (Ha)		First Day of Water Issue		Last Day of Water Issue	
			Proposed	Actual	Proposed	Actual
	Paddy	5600	NA	04-25-2024	NA	08-14-2024
Upland Crops	1400	NA	04-25-2024	NA	08-07-2024	NA
Total	7000	%var				

**Table 2.3B**

Projected Irrigation System Water Use - Elahera

Item Description	Hydro Condition	Monthly Values							Total
		Mar-2024	Apr-2024	May-2024	Jun-2024	Jul-2024	Aug-2024	Sep-2024	
Water Issues (MCM)	Average	0.0	3.4	39.2	29.4	29.5	13.9	0.0	115.5
	Dry	0.0	3.4	41.1	30.2	30.7	15.4	0.0	120.8
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Water Duty (m)	Average	0.0	0.1	0.6	0.4	0.4	0.2	0.0	1.7
	Dry	0.0	0.1	0.6	0.4	0.4	0.2	0.0	1.7
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
End Storage (MCM)	Average	NA	NA	NA	NA	NA	NA	NA	NA
	Dry	NA	NA	NA	NA	NA	NA	NA	NA
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Rain fall (mm)	Average	97.6	120.6	75.1	5.5	31.5	46.0	69.5	445.8
	Dry	89.0	81.2	16.2	0.4	23.4	21.8	48.0	280.0
	Actual	NA	NA	NA	NA	NA	NA	NA	NA

Note : 1 MCM = 0.81 TAF

1 Ha = 2.47 Acres

1 m = 3.28 Ft

**Cropping Data 2.3C**

**Giritale**

Type of Crop	Extent of Crop (Ha)		First Day of Water Issue		Last Day of Water Issue	
	Proposed	Actual	Proposed	Actual	Proposed	Actual
Paddy	3500	NA	04-20-2024	NA	08-09-2024	NA
Upland Crops	0	NA		NA		NA
Total	3500	%var				

**Table 2.3C**

**Projected Irrigation System Water Use - Giritale**

Item Description	Hydro Condition	Monthly Values							Total
		Mar-2024	Apr-2024	May-2024	Jun-2024	Jul-2024	Aug-2024	Sep-2024	
Water Issues (MCM)	Average	0.0	4.5	16.0	11.3	11.0	2.6	0.0	45.4
	Dry	0.0	4.5	16.9	11.3	11.2	3.1	0.0	46.9
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Water Duty (m)	Average	0.0	0.1	0.5	0.3	0.3	0.1	0.0	1.3
	Dry	0.0	0.1	0.5	0.3	0.3	0.1	0.0	1.3
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
End Storage (MCM)	Average	26.7	27.2	25.8	20.5	12.3	9.8	9.9	NA
	Dry	26.5	27.2	26.7	18.4	7.2	4.2	4.2	NA
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Rain fall (mm)	Average	68.5	101.9	68.3	12.5	40.1	68.5	87.6	447.3
	Dry	38.0	70.0	27.6	42.6	37.4	34.5	62.3	312.5
	Actual	NA	NA	NA	NA	NA	NA	NA	NA

Note : 1 MCM = 0.81 TAF

1 Ha = 2.47 Acres

1 m = 3.28 Ft

**Cropping Data 2.3D**

Minneriya

Type of Crop	Extent of Crop (Ha)		First Day of Water Issue		Last Day of Water Issue	
			Proposed	Actual	Proposed	Actual
	Paddy	9825	NA	04-25-2024	NA	08-31-2024
Upland Crops	0	NA		NA		NA
Total	9825	%var				

**Table 2.3D**

**Projected Irrigation System Water Use - Minneriya**

Item Description	Hydro Condition	Monthly Values							Total
		Mar-2024	Apr-2024	May-2024	Jun-2024	Jul-2024	Aug-2024	Sep-2024	
Water Issues (MCM)	Average	0.0	2.4	37.0	33.5	30.0	18.0	0.0	121.9
	Dry	0.0	2.4	38.0	33.4	30.7	20.2	0.0	125.8
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Water Duty (m)	Average	0.0	0.0	0.4	0.3	0.3	0.2	0.0	1.2
	Dry	0.0	0.0	0.4	0.3	0.3	0.2	0.0	1.3
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
End Storage (MCM)	Average	135.3	135.3	108.9	92.2	72.2	51.4	47.2	NA
	Dry	128.4	135.5	121.1	99.3	73.8	43.7	29.4	NA
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Rain fall (mm)	Average	68.5	101.9	68.3	12.5	40.1	68.5	87.6	447.3
	Dry	38.0	70.0	27.6	42.6	37.4	34.5	62.3	312.5
	Actual	NA	NA	NA	NA	NA	NA	NA	NA

Note : 1 MCM = 0.81 TAF

1 Ha = 2.47 Acres

1 m = 3.28 Ft

**Cropping Data 2.3E**

**Kaudulla**

Type of Crop	Extent of Crop (Ha)		First Day of Water Issue		Last Day of Water Issue	
			Proposed	Actual	Proposed	Actual
	Paddy	4860	NA	04-15-2024	NA	08-04-2024
Upland Crops	1620	NA	04-15-2024	NA	07-21-2024	NA
Total	6480	%var				

**Table 2.3E**

**Projected Irrigation System Water Use - Kaudulla**

Item Description	Hydro Condition	Monthly Values							Total
		Mar-2024	Apr-2024	May-2024	Jun-2024	Jul-2024	Aug-2024	Sep-2024	
Water Issues (MCM)	Average	0.0	6.7	24.6	18.9	18.5	3.9	0.0	72.6
	Dry	0.0	6.7	26.3	19.0	19.4	4.6	0.0	75.9
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Water Duty (m)	Average	0.0	0.1	0.4	0.3	0.3	0.1	0.0	1.1
	Dry	0.0	0.1	0.4	0.3	0.3	0.1	0.0	1.2
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
End Storage (MCM)	Average	124.5	121.7	92.8	68.9	45.9	39.5	38.0	NA
	Dry	128.0	128.0	95.1	74.1	49.4	40.8	38.0	NA
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Rain fall (mm)	Average	69.3	102.4	68.1	12.4	39.4	69.2	88.4	449.3
	Dry	27.3	108.6	12.7	40.2	24.8	31.0	67.8	312.4
	Actual	NA	NA	NA	NA	NA	NA	NA	NA

Note : 1 MCM = 0.81 TAF

1 Ha = 2.47 Acres

1 m = 3.28 Ft

**Cropping Data 2.3F**

Kantale

Type of Crop	Extent of Crop (Ha)		First Day of Water Issue		Last Day of Water Issue	
	Proposed	Actual	Proposed	Actual	Proposed	Actual
Paddy	7531	NA	04-05-2024	NA	08-04-2024	NA
Upland Crops	1329	NA	04-05-2024	NA	07-18-2024	NA
Total	8860	%var				

**Table 2.3F**

**Projected Irrigation System Water Use - Kantale**

Item Description	Hydro Condition	Monthly Values							Total
		Mar-2024	Apr-2024	May-2024	Jun-2024	Jul-2024	Aug-2024	Sep-2024	
Water Issues (MCM)	Average	0.0	20.1	25.4	23.6	18.8	2.1	0.0	90.0
	Dry	0.0	20.0	28.3	24.5	17.8	2.1	0.0	92.7
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Water Duty (m)	Average	0.0	0.2	0.3	0.3	0.2	0.0	0.0	1.0
	Dry	0.0	0.2	0.3	0.3	0.2	0.0	0.0	1.1
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
End Storage (MCM)	Average	140.1	139.6	126.9	104.1	85.8	85.3	88.0	NA
	Dry	140.1	140.1	116.8	92.4	75.2	73.5	73.7	NA
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Rain fall (mm)	Average	68.0	98.7	79.8	11.1	39.9	65.7	92.3	455.4
	Dry	119.0	105.6	15.2	0.0	67.3	57.4	36.6	401.0
	Actual	NA	NA	NA	NA	NA	NA	NA	NA

Note : 1 MCM = 0.81 TAF

1 Ha = 2.47 Acres

1 m = 3.28 Ft

**Cropping Data 2.3G**  
**System D2 Parakrama**

Type of Crop	Extent of Crop (Ha)		First Day of Water Issue		Last Day of Water Issue	
			Proposed	Actual	Proposed	Actual
	Paddy	10365	NA	04-18-2024	NA	08-07-2024
Upland Crops	0	NA		NA		NA
Total	10365					

**Table 2.3G**  
**Projected Irrigation System Water Use - Parakrama Samudra**

Item Description	Hydro Condition	Monthly Values							Total
		Mar-2024	Apr-2024	May-2024	Jun-2024	Jul-2024	Aug-2024	Sep-2024	
Water Issues (MCM)	Average	0.0	13.4	47.9	33.6	33.1	8.3	0.0	136.4
	Dry	0.0	13.4	50.1	34.7	33.6	7.8	0.0	139.7
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Water Duty (m)	Average	0.0	0.1	0.5	0.3	0.3	0.1	0.0	1.3
	Dry	0.0	0.1	0.5	0.3	0.3	0.1	0.0	1.4
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
End Storage (MCM)	Average	139.9	141.7	132.3	113.3	95.3	86.0	90.8	NA
	Dry	142.3	142.6	142.6	122.4	103.2	112.0	134.6	NA
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Rain fall (mm)	Average	62.3	78.3	55.6	8.2	26.6	49.0	66.9	347.0
	Dry	45.7	73.5	6.4	0.1	31.8	66.5	5.1	229.1
	Actual	NA	NA	NA	NA	NA	NA	NA	NA

Note : 1 MCM = 0.81 TAF

1 Ha = 2.47 Acres

1 m = 3.28 Ft

**Table 2.4A**  
**Projected Irrigation System Diversions - System E**

**Cropping Data 2.4B**

**System E Minipe**

Type of Crop	Extent of Crop (Ha)		First Day of Water Issue		Last Day of Water Issue	
			Proposed	Actual	Proposed	Actual
	Paddy	5271	NA	03-10-2024	NA	07-30-2024
Upland Crops	2259	NA	03-10-2024	NA	06-22-2024	NA
Total	7530					

**Table 2.4B**

**Projected Irrigation System Water Use - System E - Minipe LB**

Item Description	Hydro Condition	Monthly Values							Total
		Mar-2024	Apr-2024	May-2024	Jun-2024	Jul-2024	Aug-2024	Sep-2024	
Water Issues (MCM)	Average	33.4	28.1	28.1	26.9	9.5	0.0	0.0	126.9
	Dry	33.2	21.2	22.2	23.6	9.6	0.0	0.0	110.3
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Water Duty (m)	Average	0.4	0.4	0.4	0.4	0.1	0.0	0.0	1.7
	Dry	0.4	0.3	0.3	0.3	0.1	0.0	0.0	1.5
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Rainfall (mm)	Average	137.0	177.6	93.4	52.8	48.1	45.7	98.9	653.5
	Dry	165.2	326.0	170.4	117.5	49.2	150.9	133.7	1112.9
	Actual	NA	NA	NA	NA	NA	NA	NA	NA

Note : 1 MCM = 0.81 TAF

1 Ha = 2.47 Acres

1 m = 3.28 Ft

**Cropping Data 2.4C**  
**Sorabora**

Type of Crop	Extent of Crop (Ha)		First Day of Water Issue		Last Day of Water Issue	
			Proposed	Actual	Proposed	Actual
	Paddy	1134	NA	04-20-2024	NA	08-09-2024
Upland Crops	0	NA		NA		NA
Total	1134					

**Table 2.4C**  
**Projected Irrigation System Water Use - Sorabora Wewa**

Item Description	Hydro Condition	Monthly Values							Total
		Mar-2024	Apr-2024	May-2024	Jun-2024	Jul-2024	Aug-2024	Sep-2024	
Water Issues (MCM)	Average	0.0	2.0	7.0	4.7	4.8	1.3	0.0	19.8
	Dry	0.0	2.0	6.3	4.2	4.9	0.7	0.0	18.1
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Water Duty (m)	Average	0.0	0.2	0.6	0.4	0.4	0.1	0.0	1.7
	Dry	0.0	0.2	0.6	0.4	0.4	0.1	0.0	1.6
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Rainfall (mm)	Average	137.0	177.6	93.4	52.8	48.1	45.7	98.9	653.5
	Dry	165.2	326.0	170.4	117.5	49.2	150.9	133.7	1112.9
	Actual	NA	NA	NA	NA	NA	NA	NA	NA

Note : 1 MCM = 0.81 TAF

1 Ha = 2.47 Acres

1 m = 3.28 Ft

**Cropping Data 2.4D**  
**Mapakada**

Type of Crop	Extent of Crop (Ha)		First Day of Water Issue		Last Day of Water Issue	
			Proposed	Actual	Proposed	Actual
	Paddy	610	NA	04-20-2024	NA	08-09-2024
Upland Crops	0	NA		NA		NA
Total	610					

**Table 2.4D**  
**Projected Irrigation System Water Use - Mapakada Wewa**

Item Description	Hydro Condition	Monthly Values							Total
		Mar-2024	Apr-2024	May-2024	Jun-2024	Jul-2024	Aug-2024	Sep-2024	
Water Issues (MCM)	Average	0.0	1.1	3.8	2.5	2.6	0.7	0.0	10.6
	Dry	0.0	1.1	3.4	2.2	2.6	0.4	0.0	9.7
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Water Duty (m)	Average	0.0	0.2	0.6	0.4	0.4	0.1	0.0	1.7
	Dry	0.0	0.2	0.6	0.4	0.4	0.1	0.0	1.6
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Rainfall (mm)	Average	137.0	177.6	93.4	52.8	48.1	45.7	98.9	653.5
	Dry	165.2	326.0	170.4	117.5	49.2	150.9	133.7	1112.9
	Actual	NA	NA	NA	NA	NA	NA	NA	NA

Note : 1 MCM = 0.81 TAF

1 Ha = 2.47 Acres

1 m = 3.28 Ft

**Cropping Data 2.4E**  
**Dambarawa**

Type of Crop	Extent of Crop (Ha)		First Day of Water Issue		Last Day of Water Issue	
			Proposed	Actual	Proposed	Actual
	Paddy	610	NA	04-20-2024	NA	08-09-2024
Upland Crops	0	NA		NA		NA
Total	610					

**Table 2.4E**  
**Projected Irrigation System Water Use - Dambarawa Wewa**

Item Description	Hydro Condition	Monthly Values							Total
		Mar-2024	Apr-2024	May-2024	Jun-2024	Jul-2024	Aug-2024	Sep-2024	
Water Issues (MCM)	Average	0.0	1.1	3.8	2.5	2.6	0.7	0.0	10.6
	Dry	0.0	1.1	3.4	2.2	2.6	0.4	0.0	9.8
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Water Duty (m)	Average	0.0	0.2	0.6	0.4	0.4	0.1	0.0	1.7
	Dry	0.0	0.2	0.6	0.4	0.4	0.1	0.0	1.6
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Rainfall (mm)	Average	137.0	177.6	93.4	52.8	48.1	45.7	98.9	653.5
	Dry	165.2	326.0	170.4	117.5	49.2	150.9	133.7	1112.9
	Actual	NA	NA	NA	NA	NA	NA	NA	NA

Note : 1 MCM = 0.81 TAF

1 Ha = 2.47 Acres

1 m = 3.28 Ft

**Cropping Data 2.4F**

**Uhtilya SysC**

Type of Crop	Extent of Crop (Ha)		First Day of Water Issue		Last Day of Water Issue	
			Proposed	Actual	Proposed	Actual
	Paddy	20520	NA	03-25-2024	NA	07-14-2024
Upland Crops	2280	NA	03-25-2024	NA	07-07-2024	NA
Total	22800	%var				

**Table 2.4F**

**Projected Irrigation System Water Use - Ulhitiya**

Item Description	Hydro Condition	Monthly Values							Total
		Mar-2024	Apr-2024	May-2024	Jun-2024	Jul-2024	Aug-2024	Sep-2024	
Water Issues (MCM)	Average	5.2	128.8	80.9	95.2	47.7	0.0	0.0	357.7
	Dry	5.2	133.9	87.2	100.7	50.6	0.0	0.0	377.4
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Water Duty (m)	Average	0.0	0.6	0.4	0.4	0.2	0.0	0.0	1.6
	Dry	0.0	0.6	0.4	0.4	0.2	0.0	0.0	1.7
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
End Storage (MCM)	Average	144.8	128.9	142.3	139.5	139.7	139.7	139.5	NA
	Dry	144.8	131.9	128.1	120.0	112.0	111.0	110.0	NA
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Rain fall (mm)	Average	105.0	140.4	69.9	24.3	35.7	37.0	84.6	496.8
	Dry	104.7	94.3	44.5	15.3	9.5	12.9	63.9	345.2
	Actual	NA	NA	NA	NA	NA	NA	NA	NA

Note : 1 MCM = 0.81 TAF

1 Ha = 2.47 Acres

1 m = 3.28 Ft

**Cropping Data 2.4G**

Maduru SysB

Type of Crop	Extent of Crop (Ha)		First Day of Water Issue		Last Day of Water Issue	
			Proposed	Actual	Proposed	Actual
	Paddy	16780	NA	03-20-2024	NA	07-09-2024
Upland Crops	1865	NA	03-20-2024	NA	07-02-2024	NA
Total	18645	%var				

**Table 2.4G**

Projected Irrigation System Water Use - Maduru Oya

Item Description	Hydro Condition	Monthly Values							Total
		Mar-2024	Apr-2024	May-2024	Jun-2024	Jul-2024	Aug-2024	Sep-2024	
Water Issues (MCM)	Average	25.2	94.6	60.2	69.7	18.3	0.0	0.0	268.0
	Dry	25.2	99.1	60.0	71.4	19.6	0.0	0.0	275.3
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Water Duty (m)	Average	0.1	0.5	0.3	0.4	0.1	0.0	0.0	1.4
	Dry	0.1	0.5	0.3	0.4	0.1	0.0	0.0	1.5
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
End Storage (MCM)	Average	591.1	514.7	517.6	495.1	532.5	545.1	558.2	NA
	Dry	590.8	513.4	479.2	408.0	389.5	389.5	391.9	NA
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Rain fall (mm)	Average	53.3	58.4	65.6	5.4	38.5	43.4	67.4	332.0
	Dry	10.2	20.2	68.5	2.6	19.2	3.0	40.4	164.2
	Actual	NA	NA	NA	NA	NA	NA	NA	NA

Note : 1 MCM = 0.81 TAF

1 Ha = 2.47 Acres

1 m = 3.28 Ft

**Table 2.5A**  
**Projected Irrigation System Diversions - System A**

From	To	Hydro Condition	Monthly Diversion Volumes							Total
			Mar-2024	Apr-2024	May-2024	Jun-2024	Jul-2024	Aug-2024	Sep-2024	
Kandakadu	System A - Allai	Average	11.4	74.6	45.3	52.5	26.4	0.0	0.0	210.2
		Dry	11.4	65.3	47.1	45.8	25.3	0.0	0.0	195.0
		Actual	NA	NA	NA	NA	NA	NA	NA	NA

Note : 1 MCM = 0.81 TAF

**Cropping Data 2.5B**

**System A**

Type of Crop	Extent of Crop (Ha)		First Day of Water Issue		Last Day of Water Issue	
			Proposed	Actual	Proposed	Actual
	Paddy	10000	NA	03-25-2024	NA	07-14-2024
Upland Crops	0	NA		NA		NA
Total	10000					

**Table 2.5B**

**Projected Irrigation System Water Use - System A - Allai**

Item Description	Hydro Condition	Monthly Values							Total
		Mar-2024	Apr-2024	May-2024	Jun-2024	Jul-2024	Aug-2024	Sep-2024	
Water Issues (MCM)	Average	11.4	74.6	45.3	52.5	26.4	0.0	0.0	210.2
	Dry	11.4	65.3	47.1	45.8	25.3	0.0	0.0	195.0
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Water Duty (m)	Average	0.1	0.8	0.5	0.5	0.3	0.0	0.0	2.1
	Dry	0.1	0.7	0.5	0.5	0.3	0.0	0.0	2.0
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
End Storage (MCM)	Average	NA	NA	NA	NA	NA	NA	NA	NA
	Dry	NA	NA	NA	NA	NA	NA	NA	NA
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Rain fall (mm)	Average	54.1	52.2	61.2	21.7	25.6	86.8	83.6	385.2
	Dry	66.8	197.9	25.7	76.6	32.9	89.5	20.6	510.1
	Actual	NA	NA	NA	NA	NA	NA	NA	NA

Note : 1 MCM = 0.81 TAF

1 Ha = 2.47 Acres

1 m = 3.28 Ft

**Table 2.6A**  
**Projected Irrigation System Diversions - System Walawe**

From	To	Hydro Condition	Monthly Diversion Volume (MCM)							Total
			Mar-2024	Apr-2024	May-2024	Jun-2024	Jul-2024	Aug-2024	Sep-2024	
Kaltota Amuna	LB & RB Canals	Average	15.9	4.0	4.9	5.3	0.6	0.0	0.0	30.7
		Dry	15.4	3.4	5.2	5.8	0.4	0.0	0.0	30.3
		Actual	NA	NA	NA	NA	NA	NA	NA	NA
Liyangastota	LB Canal	Average	0.0	15.4	11.1	11.6	8.7	0.2	0.0	46.9
		Dry	0.0	15.2	11.5	12.1	8.9	0.2	0.0	47.8
		Actual	NA	NA	NA	NA	NA	NA	NA	NA
Liyangastota	RB Canal	Average	0.0	14.5	20.2	20.5	17.2	1.1	0.0	73.4
		Dry	0.0	14.3	20.5	20.8	17.3	1.1	0.0	74.1
		Actual	NA	NA	NA	NA	NA	NA	NA	NA

Note : 1 MCM = 0.81 TAF

**Cropping Data 2.6B**

**Kaltota**

Type of Crop	Extent of Crop (Ha)		First Day of Water Issue		Last Day of Water Issue	
			Proposed	Actual	Proposed	Actual
	Paddy	915	NA	03-10-2024	NA	06-29-2024
Upland Crops	0	NA		NA		NA
Total	915					

**Table 2.6B**

**Projected Irrigation System Water Use - Kaltota Amuna**

Item Description	Hydro Condition	Monthly Values							Total
		Mar-2024	Apr-2024	May-2024	Jun-2024	Jul-2024	Aug-2024	Sep-2024	
Water Issues (MCM)	Average	15.9	4.0	4.9	5.3	0.6	0.0	0.0	30.7
	Dry	15.4	3.4	5.2	5.8	0.4	0.0	0.0	30.3
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Water Duty (m)	Average	1.7	0.4	0.5	0.6	0.1	0.0	0.0	3.4
	Dry	1.7	0.4	0.6	0.6	0.1	0.0	0.0	3.3
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
End Storage (MCM)	Average	NA	NA	NA	NA	NA	NA	NA	NA
	Dry	NA	NA	NA	NA	NA	NA	NA	NA
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Rain fall (mm)	Average	241.7	333.1	118.4	68.4	59.4	39.7	90.7	951.4
	Dry	404.9	349.2	97.4	45.8	100.2	8.4	83.1	1088.9
	Actual	NA	NA	NA	NA	NA	NA	NA	NA

Note : 1 MCM = 0.81 TAF

1 Ha = 2.47 Acres

1 m = 3.28 Ft

**Cropping Data 2.6C**

**Udalawewa RB**

Type of Crop	Extent of Crop (Ha)		First Day of Water Issue		Last Day of Water Issue	
	Proposed	Actual	Proposed	Actual	Proposed	Actual
Paddy	6047	NA	03-20-2024	NA	07-09-2024	NA
Upland Crops	5946	NA	03-20-2024	NA	07-02-2024	NA
Sugar Cane	101	NA	03-20-2024	NA	04-08-2025	NA
Total	12094					

**Table 2.6C**

**Projected Irrigation System Water Use - Udawalawe RB**

Item Description	Hydro Condition	Monthly Values							Total
		Mar-2024	Apr-2024	May-2024	Jun-2024	Jul-2024	Aug-2024	Sep-2024	
Water Issues (MCM)	Average	18.4	64.8	45.2	54.9	15.5	0.5	0.3	199.6
	Dry	18.5	74.6	64.0	82.1	23.2	0.6	0.5	263.5
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Water Duty (m)	Average	0.2	0.5	0.4	0.5	0.1	0.0	0.0	1.7
	Dry	0.2	0.6	0.5	0.7	0.2	0.0	0.0	2.2
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
End Storage (MCM)	Average	268.4	263.9	260.8	250.9	244.6	252.8	261.7	NA
	Dry	268.8	268.8	268.8	263.1	244.0	238.4	257.5	NA
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Rain fall (mm)	Average	134.7	190.6	129.8	62.1	62.7	52.7	89.3	722.0
	Dry	147.7	207.5	109.6	51.9	32.0	47.5	108.9	705.0
	Actual	NA	NA	NA	NA	NA	NA	NA	NA

Note : 1 MCM = 0.81 TAF

1 Ha = 2.47 Acres

1 m = 3.28 Ft

**Cropping Data 2.6D**  
**Udalawewa LB**

Type of Crop	Extent of Crop (Ha)		First Day of Water Issue		Last Day of Water Issue	
	Proposed	Actual	Proposed	Actual	Proposed	Actual
Paddy	5581	NA	03-20-2024	NA	07-09-2024	NA
Upland Crops	4213	NA	03-20-2024	NA	07-02-2024	NA
Sugar Cane	1368	NA	03-20-2024	NA	04-08-2025	NA
Total	11162					

**Table 2.6D**  
**Projected Irrigation System Water Use - Udawalawe LB**

Item Description	Hydro Condition	Monthly Values							Total
		Mar-2024	Apr-2024	May-2024	Jun-2024	Jul-2024	Aug-2024	Sep-2024	
Water Issues (MCM)	Average	34.6	57.9	30.3	37.2	12.5	3.3	2.0	177.8
	Dry	36.0	65.7	43.8	56.4	19.7	4.7	3.3	229.7
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Water Duty (m)	Average	0.3	0.5	0.3	0.3	0.1	0.0	0.0	1.6
	Dry	0.3	0.6	0.4	0.5	0.2	0.0	0.0	2.0
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
End Storage (MCM)	Average	NA	NA	NA	NA	NA	NA	NA	NA
	Dry	NA	NA	NA	NA	NA	NA	NA	NA
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Rain fall (mm)	Average	134.7	190.6	129.8	62.1	62.7	52.7	89.3	722.0
	Dry	147.7	207.5	109.6	51.9	32.0	47.5	108.9	705.0
	Actual	NA	NA	NA	NA	NA	NA	NA	NA

Note : 1 MCM = 0.81 TAF

1 Ha = 2.47 Acres

1 m = 3.28 Ft

**Cropping Data 2.6E**

**Liyangastota LB**

Type of Crop	Extent of Crop (Ha)		First Day of Water Issue		Last Day of Water Issue	
	Proposed	Actual	Proposed	Actual	Proposed	Actual
Paddy	3440	NA	04-01-2024	NA	07-21-2024	NA
Upland Crops	0	NA		NA		NA
Total	3440	%var				

**Table 2.6E**

**Projected Irrigation System Water Use - Liyangastota LB**

Item Description	Hydro Condition	Monthly Values							Total
		Mar-2024	Apr-2024	May-2024	Jun-2024	Jul-2024	Aug-2024	Sep-2024	
Water Issues (MCM)	Average	0.0	15.4	11.1	11.6	8.7	0.2	0.0	46.9
	Dry	0.0	15.2	11.5	12.1	8.9	0.2	0.0	47.8
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Water Duty (m)	Average	0.0	0.5	0.3	0.3	0.3	0.0	0.0	1.4
	Dry	0.0	0.4	0.3	0.4	0.3	0.0	0.0	1.4
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
End Storage (MCM)	Average	NA	NA	NA	NA	NA	NA	NA	NA
	Dry	NA	NA	NA	NA	NA	NA	NA	NA
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Rain fall (mm)	Average	80.9	116.5	76.3	34.4	23.1	37.5	70.8	439.5
	Dry	76.9	141.7	64.5	33.6	19.1	29.4	49.1	414.3
	Actual	NA	NA	NA	NA	NA	NA	NA	NA

Note : 1 MCM = 0.81 TAF

1 Ha = 2.47 Acres

1 m = 3.28 Ft

**Cropping Data 2.6F**

**Liyangastota RB**

Type of Crop	Extent of Crop (Ha)		First Day of Water Issue		Last Day of Water Issue	
	Proposed	Actual	Proposed	Actual	Proposed	Actual
Paddy	3265	NA	04-01-2024	NA	07-21-2024	NA
Upland Crops	0	NA		NA		NA
Total	3265	%var				

**Table 2.6F**

**Projected Irrigation System Water Use - Liyangastota RB**

Item Description	Hydro Condition	Monthly Values							Total
		Mar-2024	Apr-2024	May-2024	Jun-2024	Jul-2024	Aug-2024	Sep-2024	
Water Issues (MCM)	Average	0.0	14.5	20.2	20.5	17.2	1.1	0.0	73.4
	Dry	0.0	14.3	20.5	20.8	17.3	1.1	0.0	74.1
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Water Duty (m)	Average	0.0	0.4	0.6	0.6	0.5	0.0	0.0	2.3
	Dry	0.0	0.4	0.6	0.6	0.5	0.0	0.0	2.3
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
End Storage (MCM)	Average	NA	NA	NA	NA	NA	NA	NA	NA
	Dry	NA	NA	NA	NA	NA	NA	NA	NA
	Actual	NA	NA	NA	NA	NA	NA	NA	NA
Rain fall (mm)	Average	80.9	116.5	76.3	34.4	23.1	37.5	70.8	439.5
	Dry	76.9	141.7	64.5	33.6	19.1	29.4	49.1	414.3
	Actual	NA	NA	NA	NA	NA	NA	NA	NA

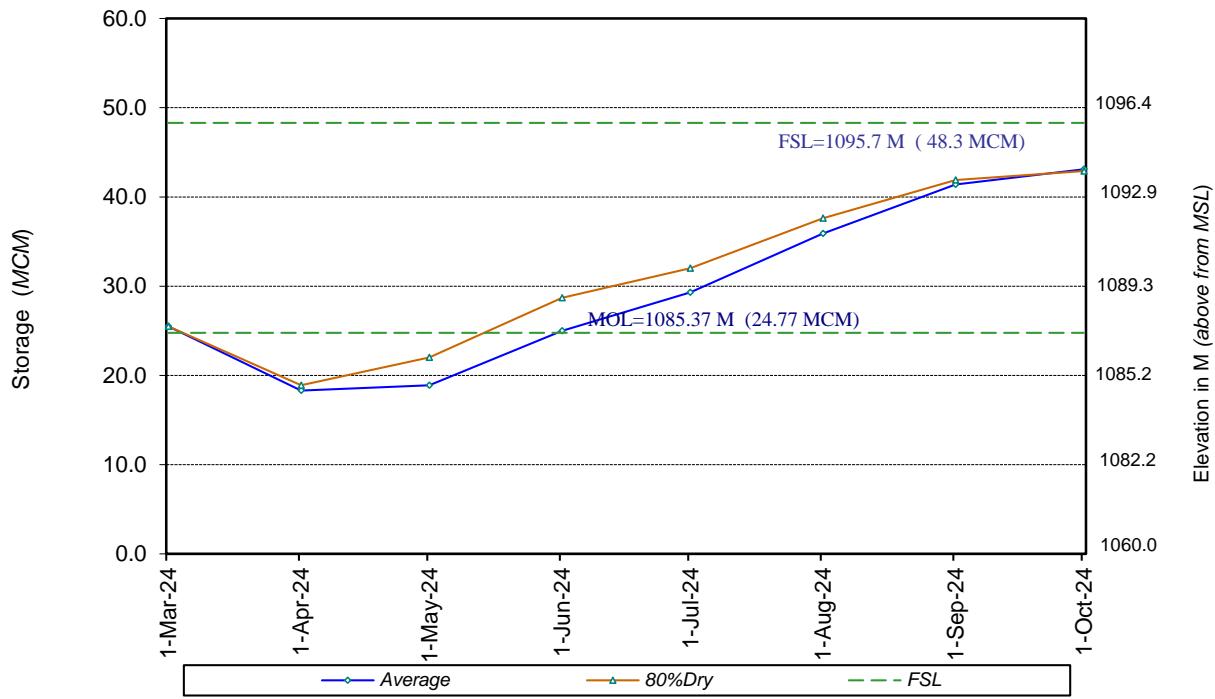
Note : 1 MCM = 0.81 TAF

1 Ha = 2.47 Acres

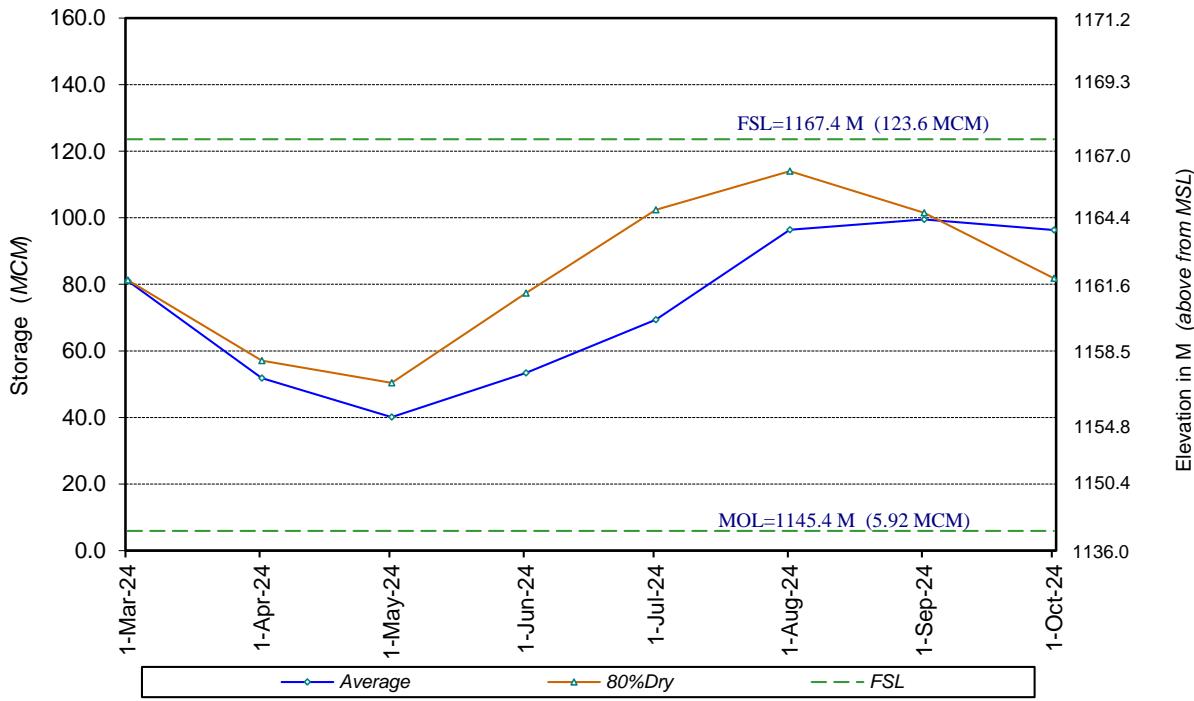
1 m = 3.28 Ft

### 2024 YALA SEASON

**Fig: 3.11 - CASTLEREIGH**

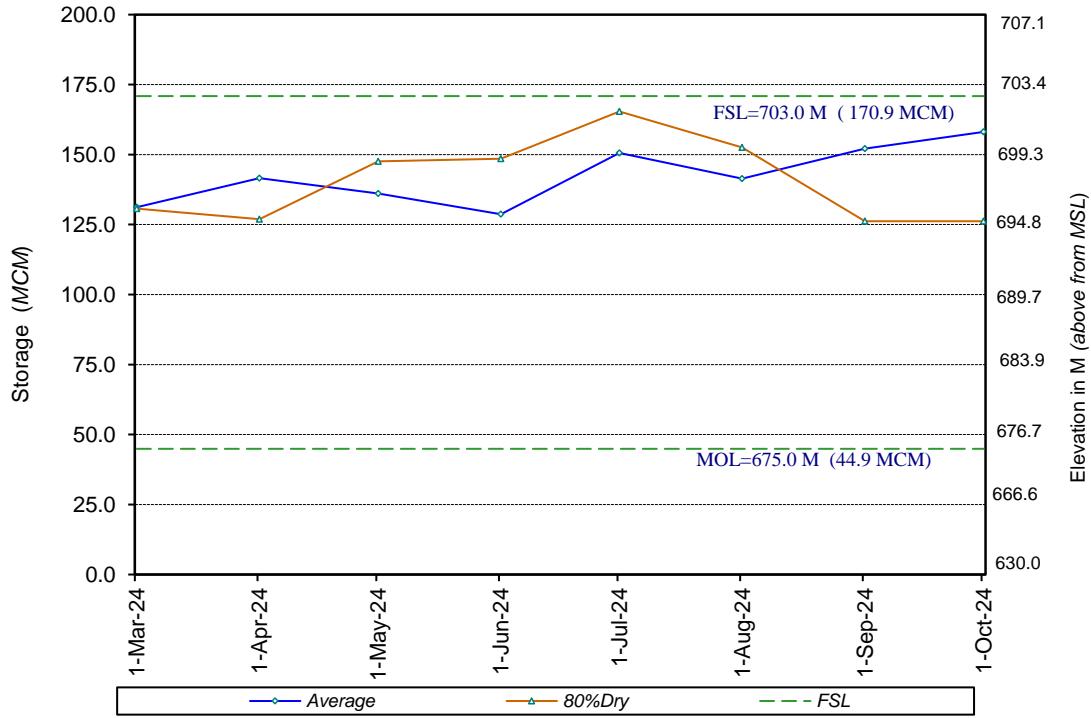


**Fig: 3.12 - MOUSSAKELE**

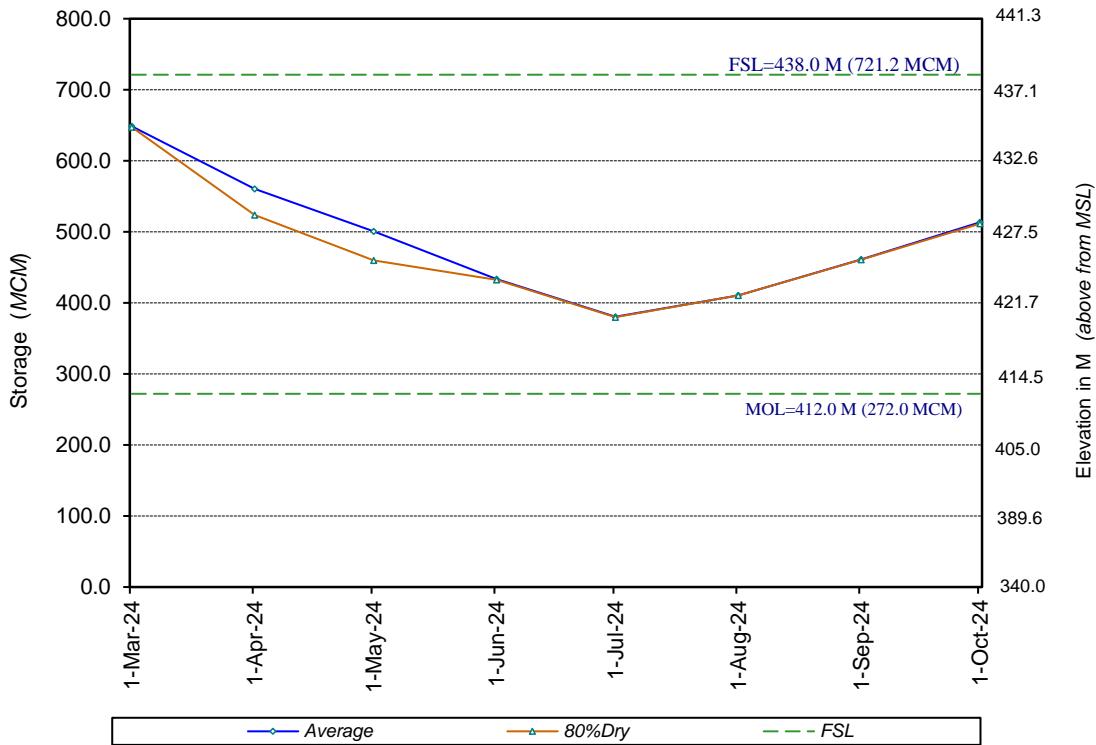


### 2024 YALA SEASON

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

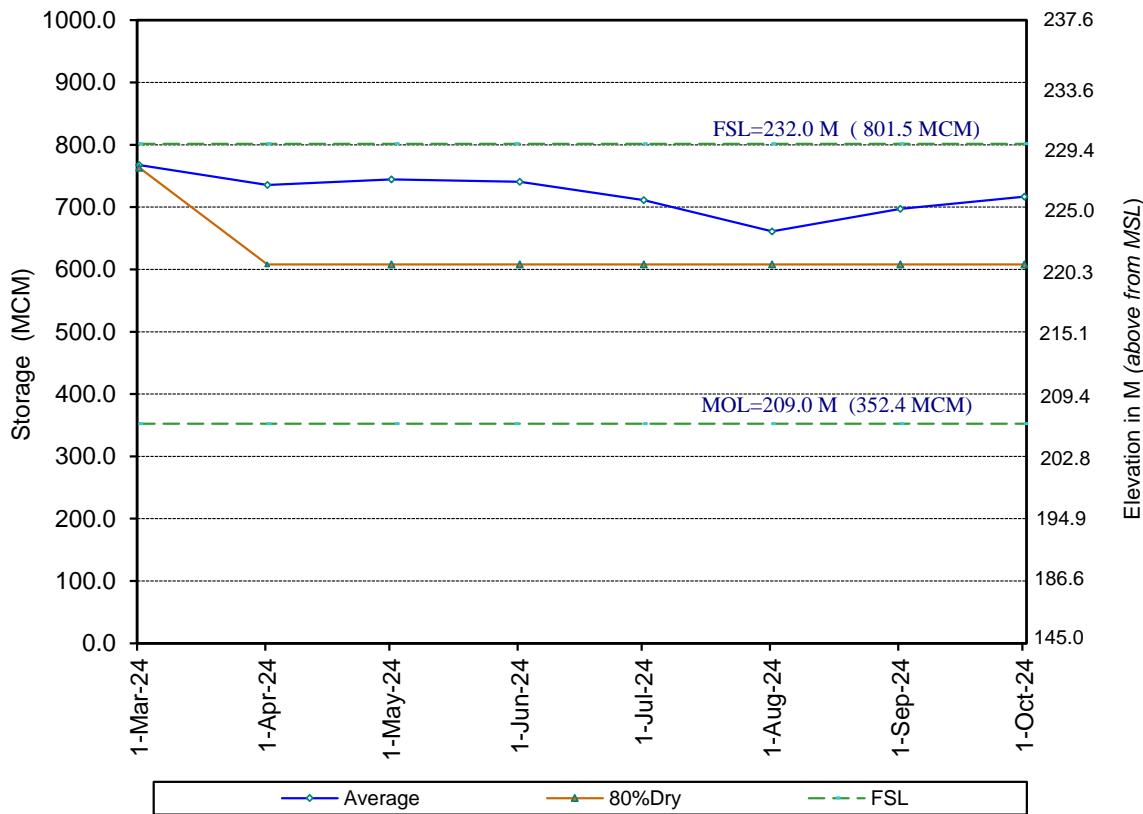


**Fig: 3.14 - VICTORIA**

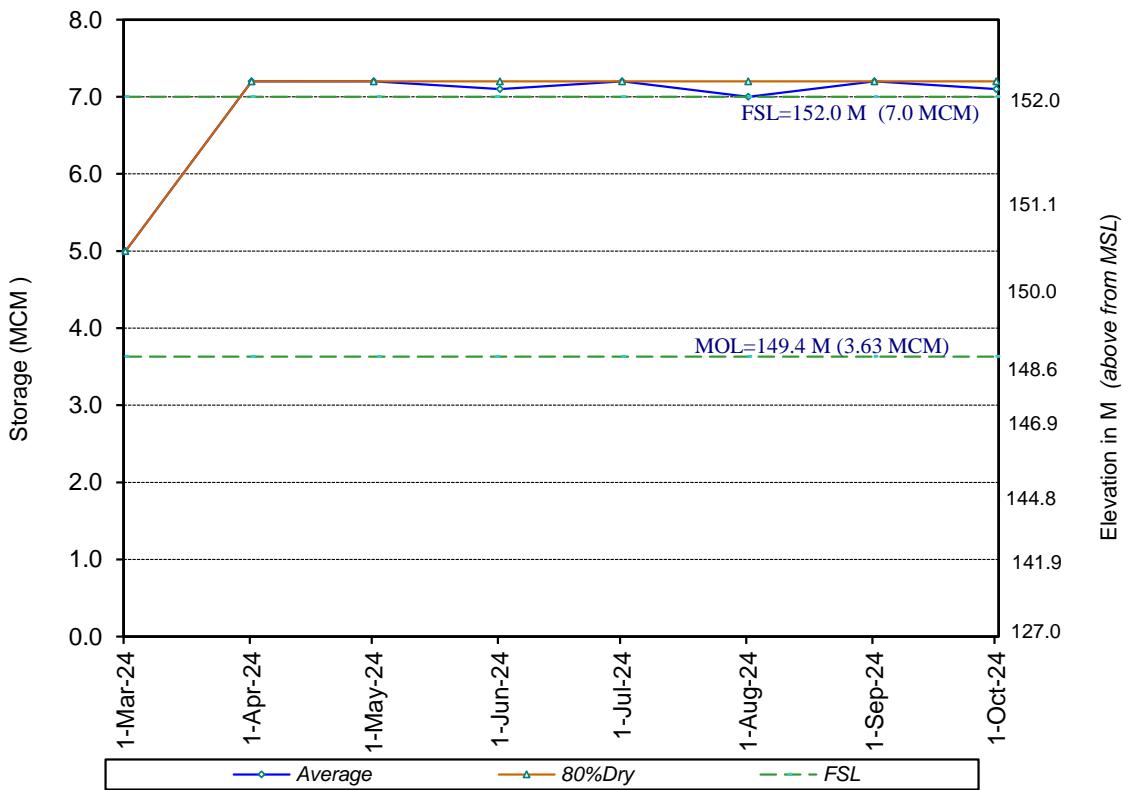


## 2024 YALA SEASON

**Fig: 3.15 - RANDENIGALA**

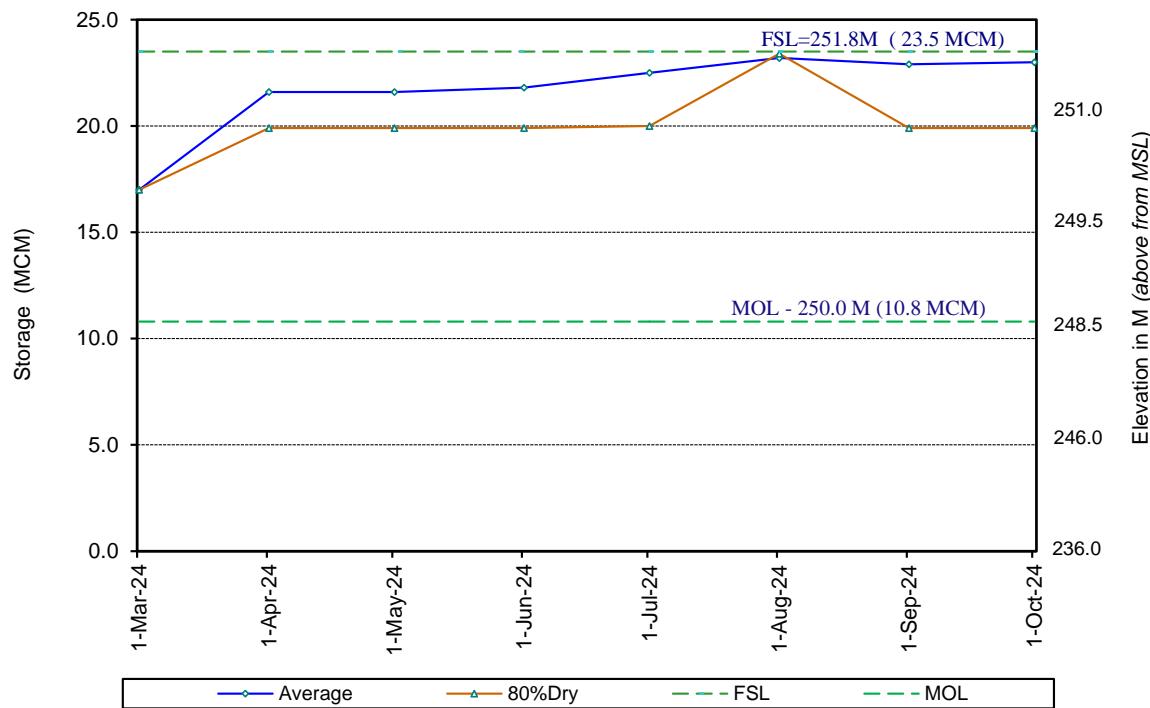


**Fig: 3.16 - RANTEMBE**

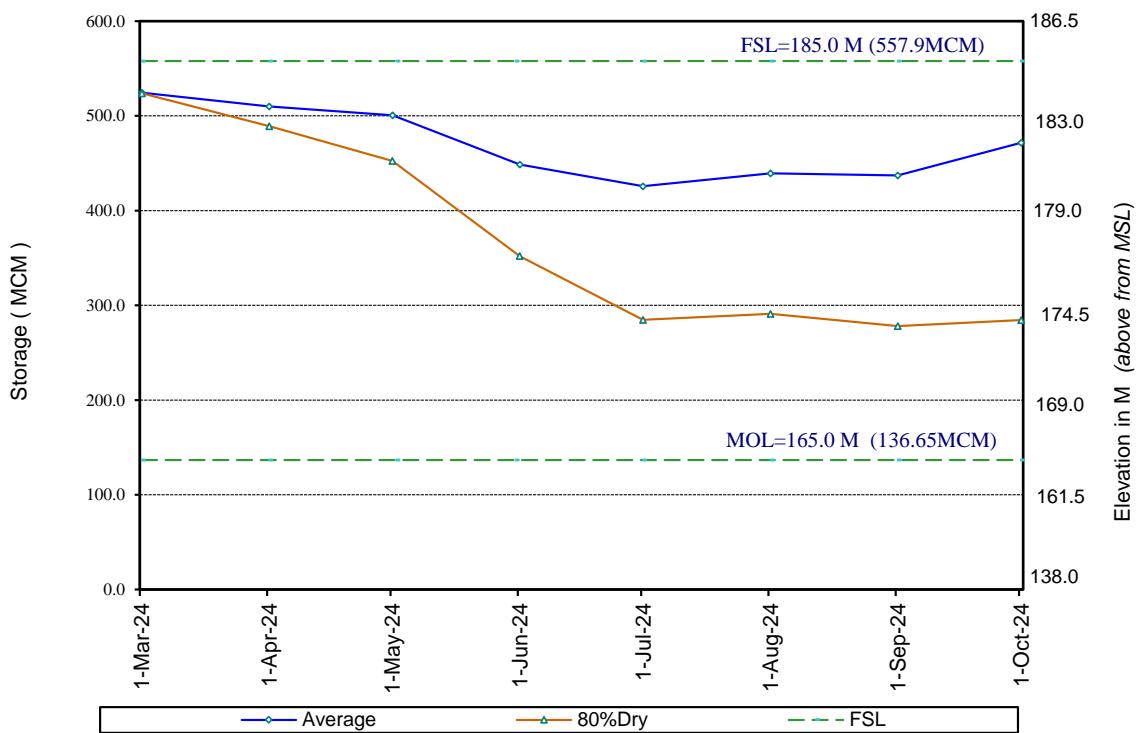


2024 YALA SEASON

**Fig: 3.17 - BOWATENNA**

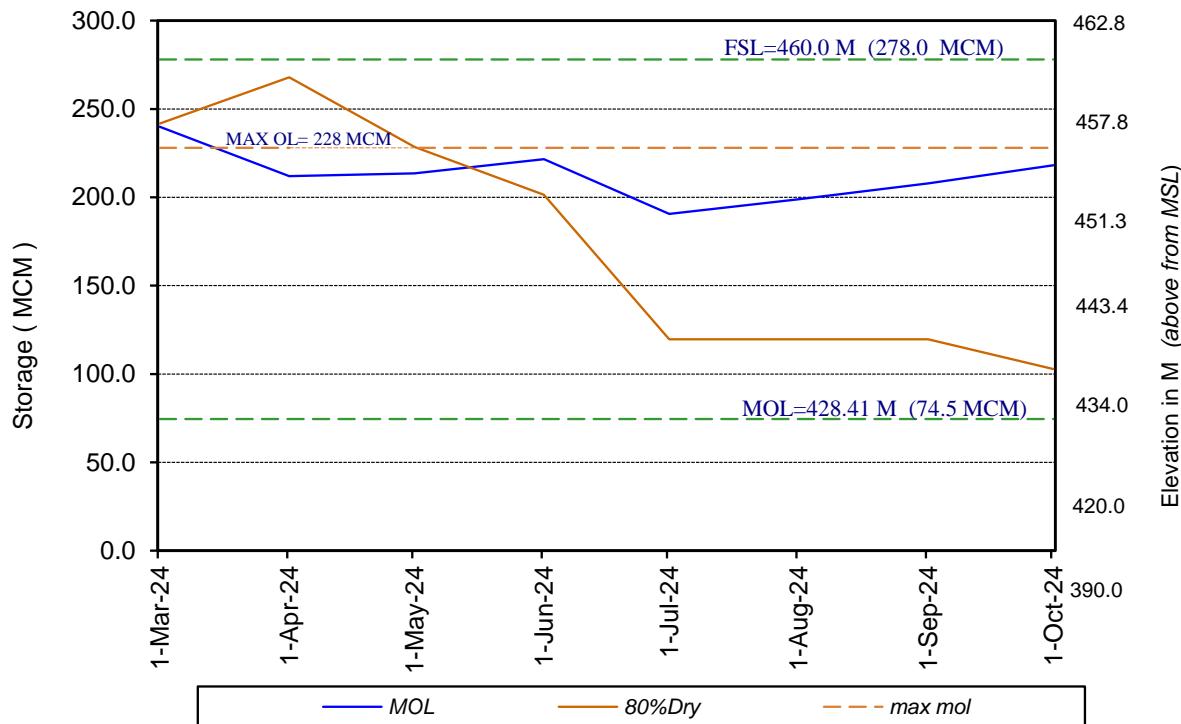


**Fig: 3.18 - MORAGAHAKANDA**



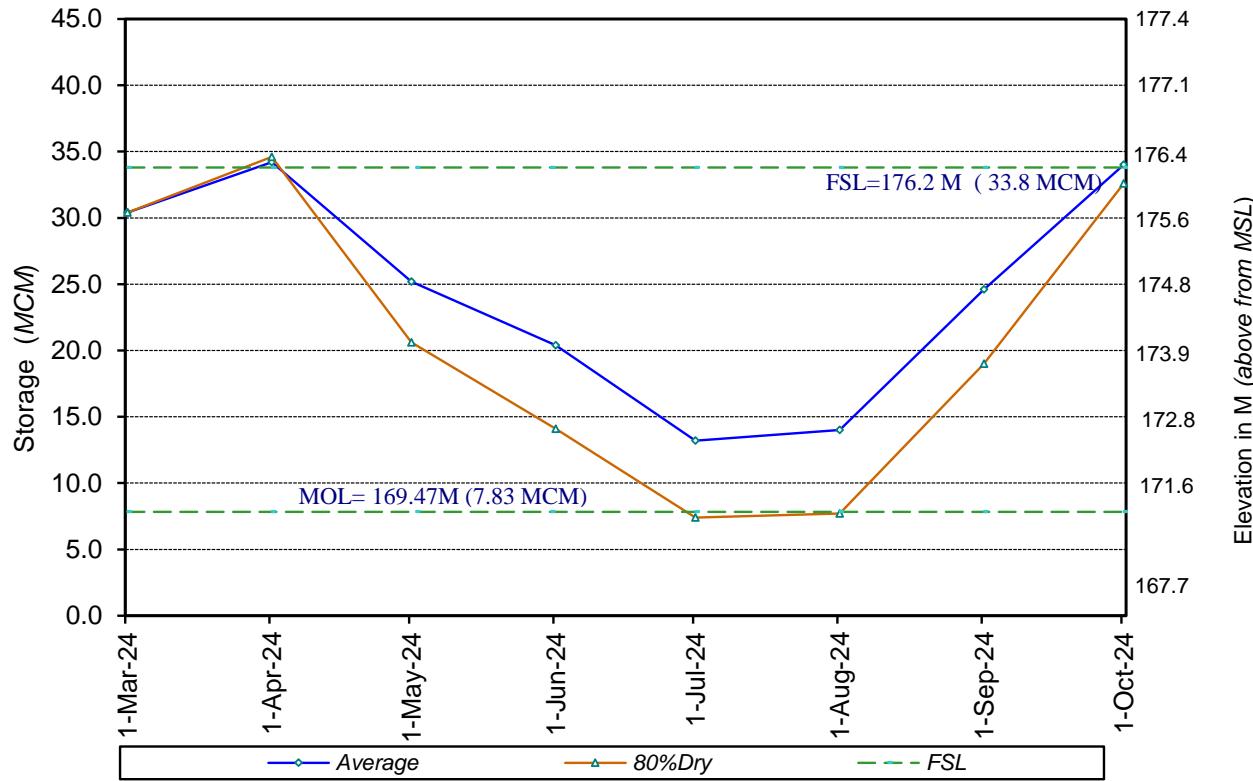
2024 YALA SEASON

**Fig: 3.20 - SAMANALAWEWA**

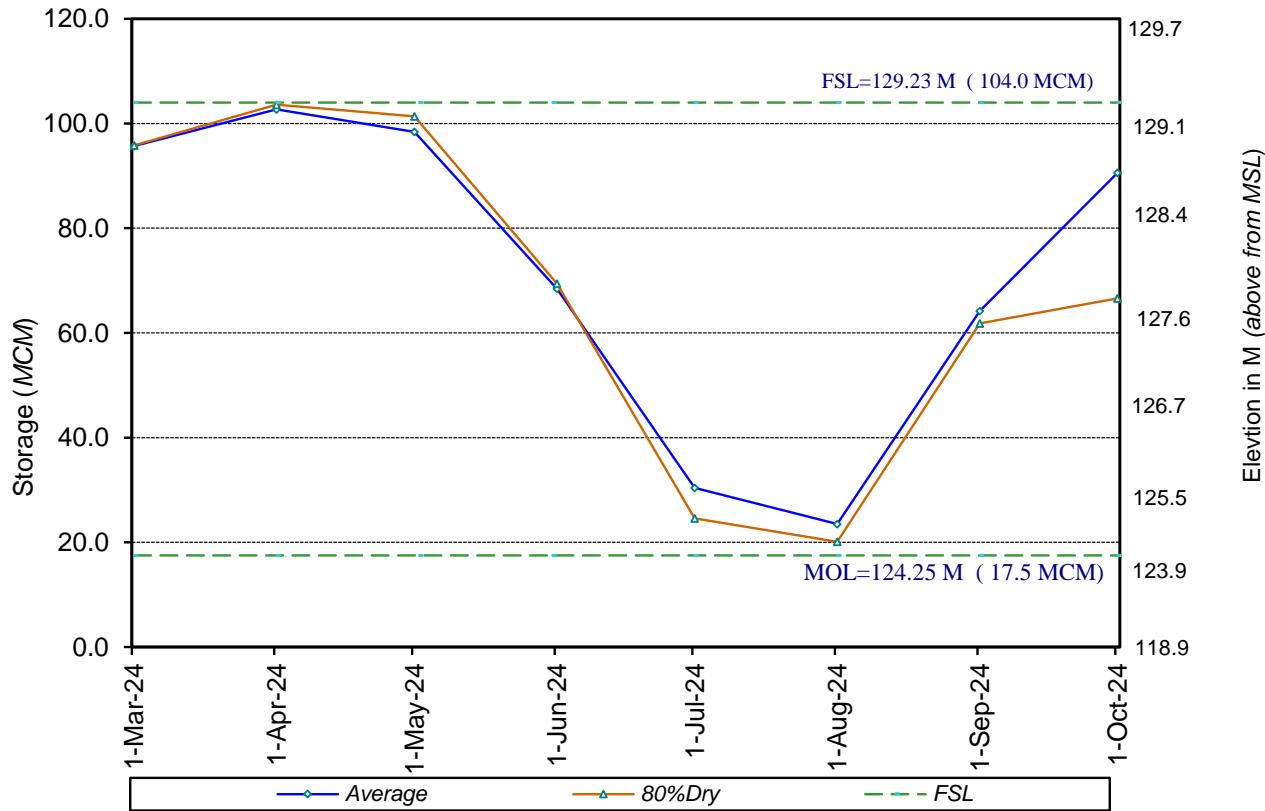


### 2024 YALA SEASON

**Fig: 4.11 - KANDALAMA**

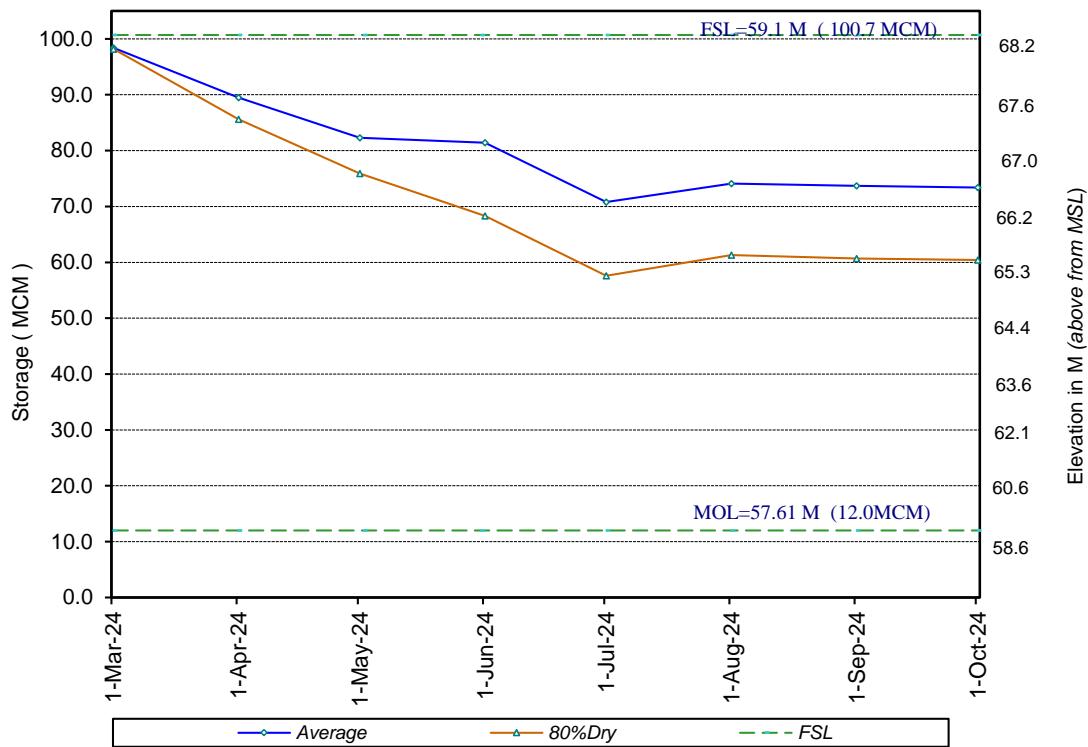


**Fig: 4.12 - KALAWEWA**

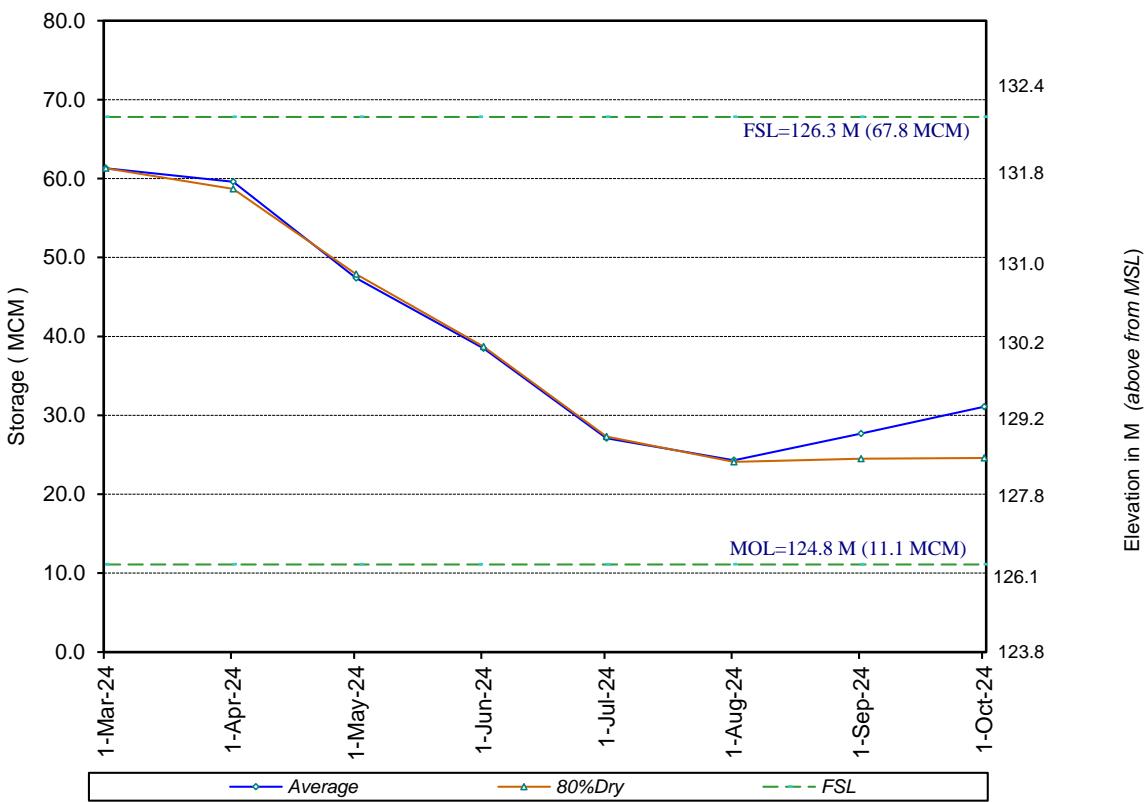


2024 YALA SEASON

**Fig: 4.13 - RAJANGANA**

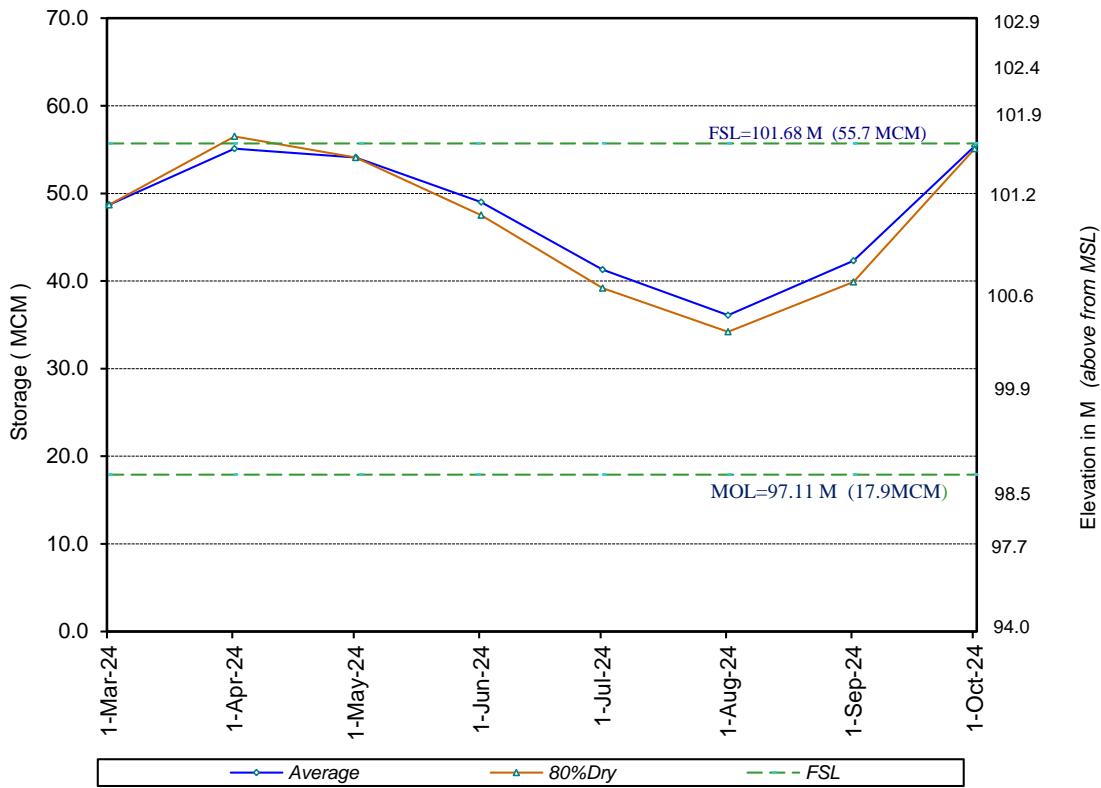


**Fig: 4.21 - HURULUWEWA**

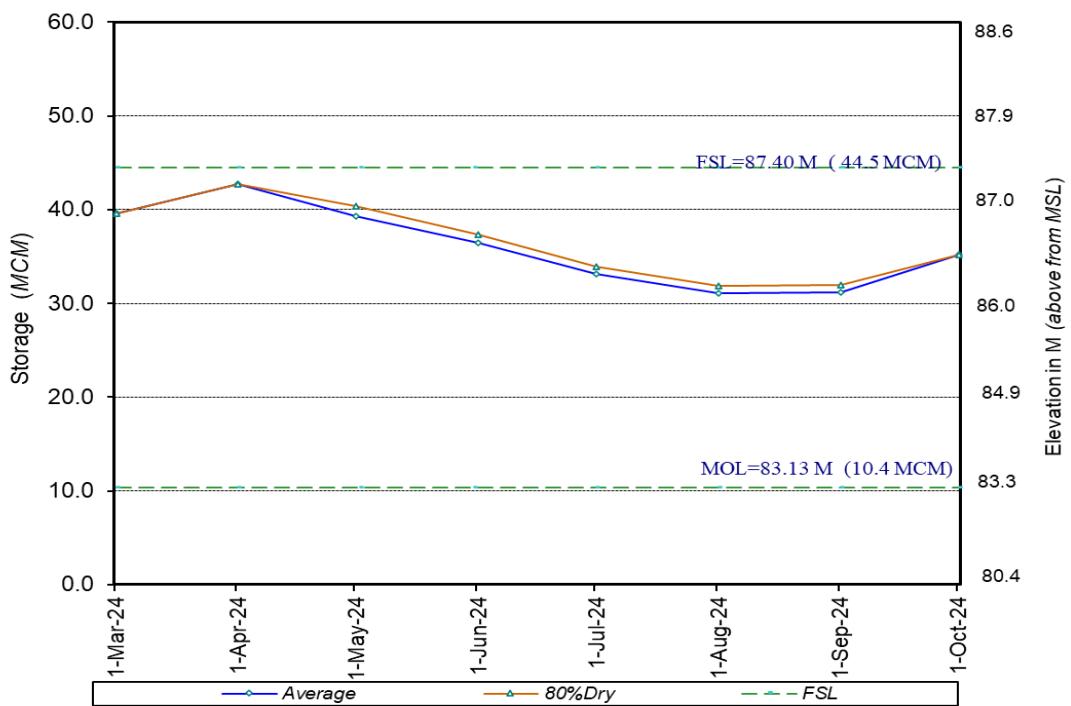


2024 YALA SEASON

**Fig: 4.22 - NACHCHADUWA**

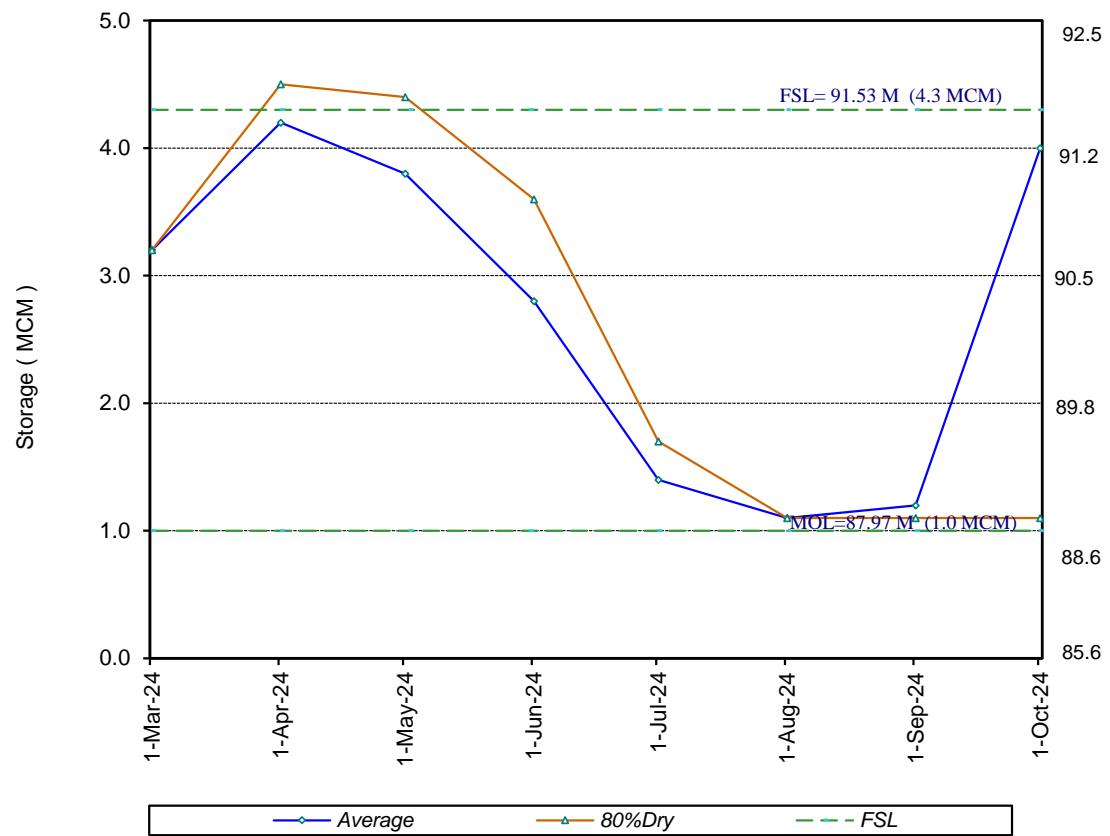


**Fig: 4.24 - NUWARAWEWA**

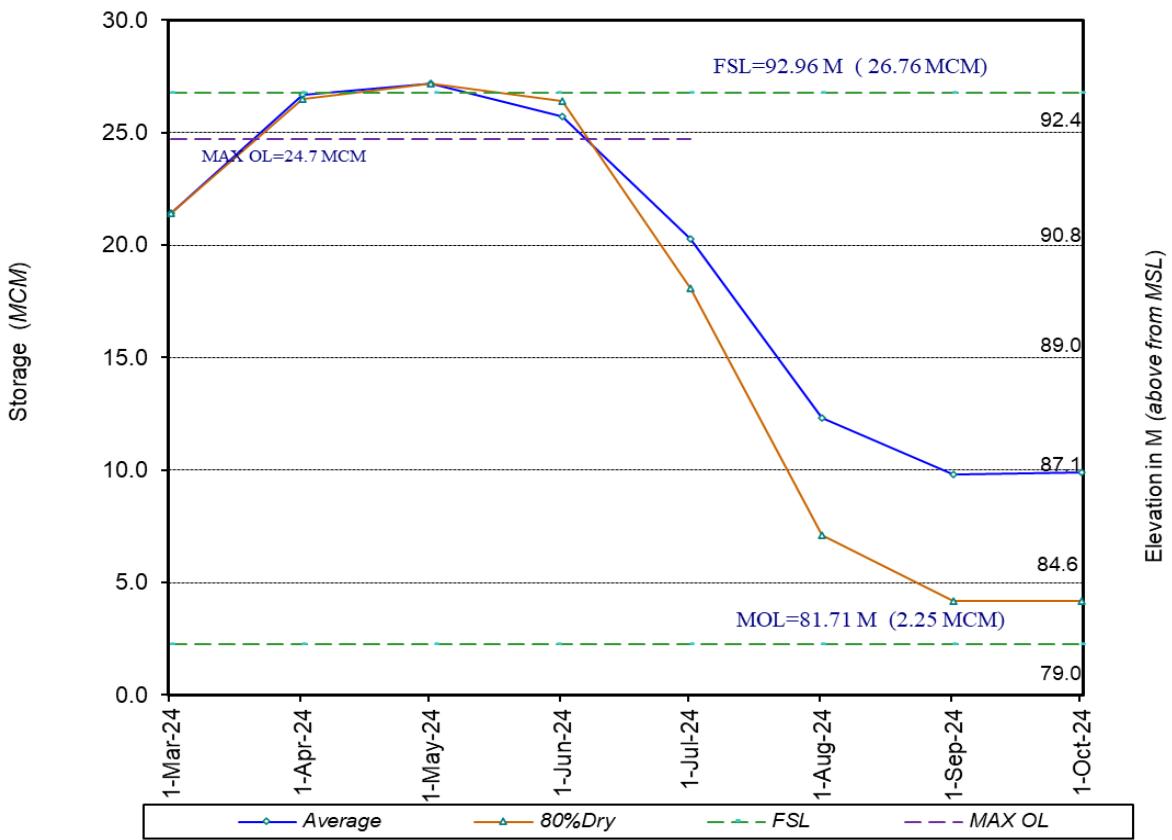


### 2024 YALA SEASON

**Fig: 4.25 - TISSAWEWA**

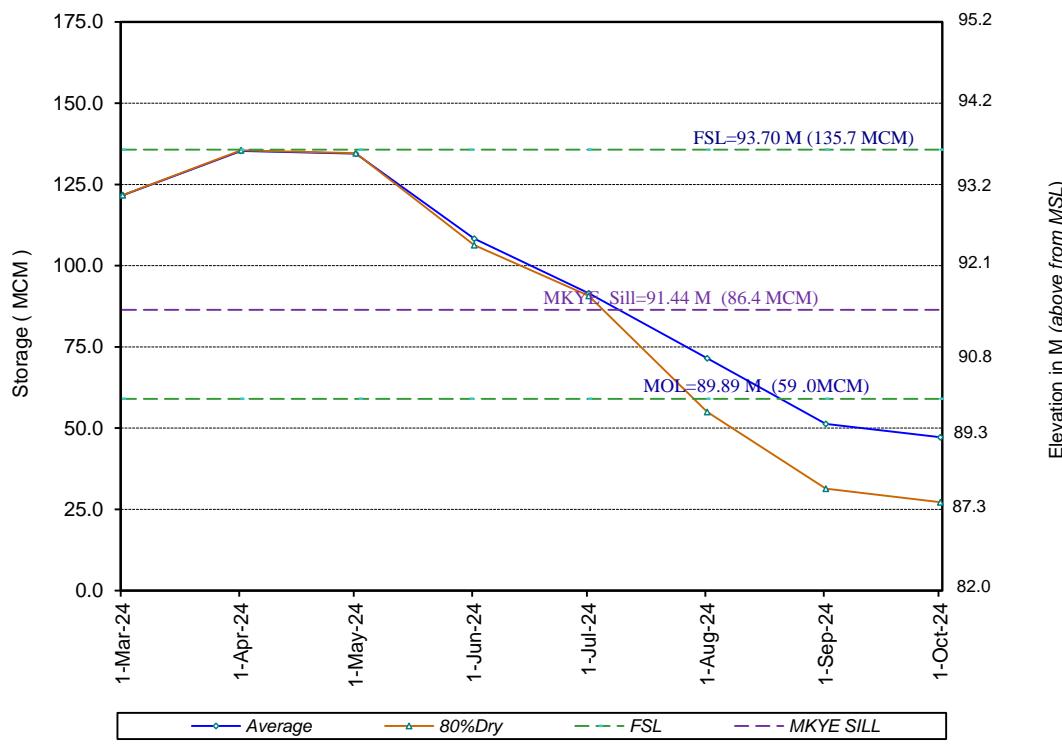


**Fig: 4.31 - GIRITALE**

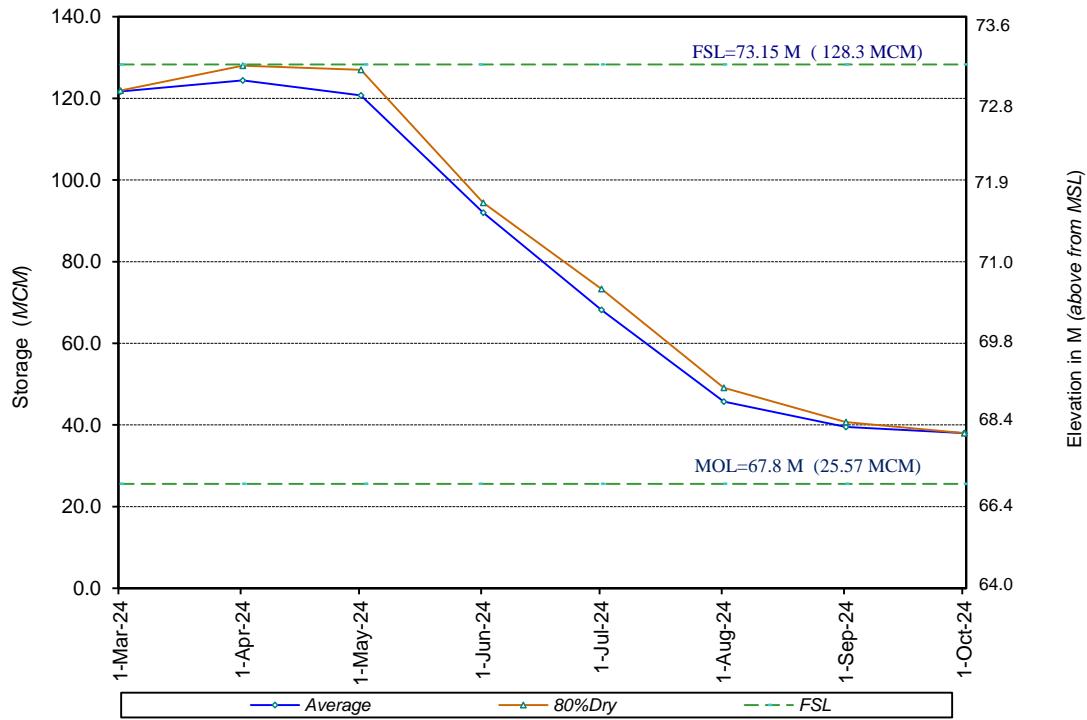


2024 YALA SEASON

**Fig: 4.32 - MINNERIYA**

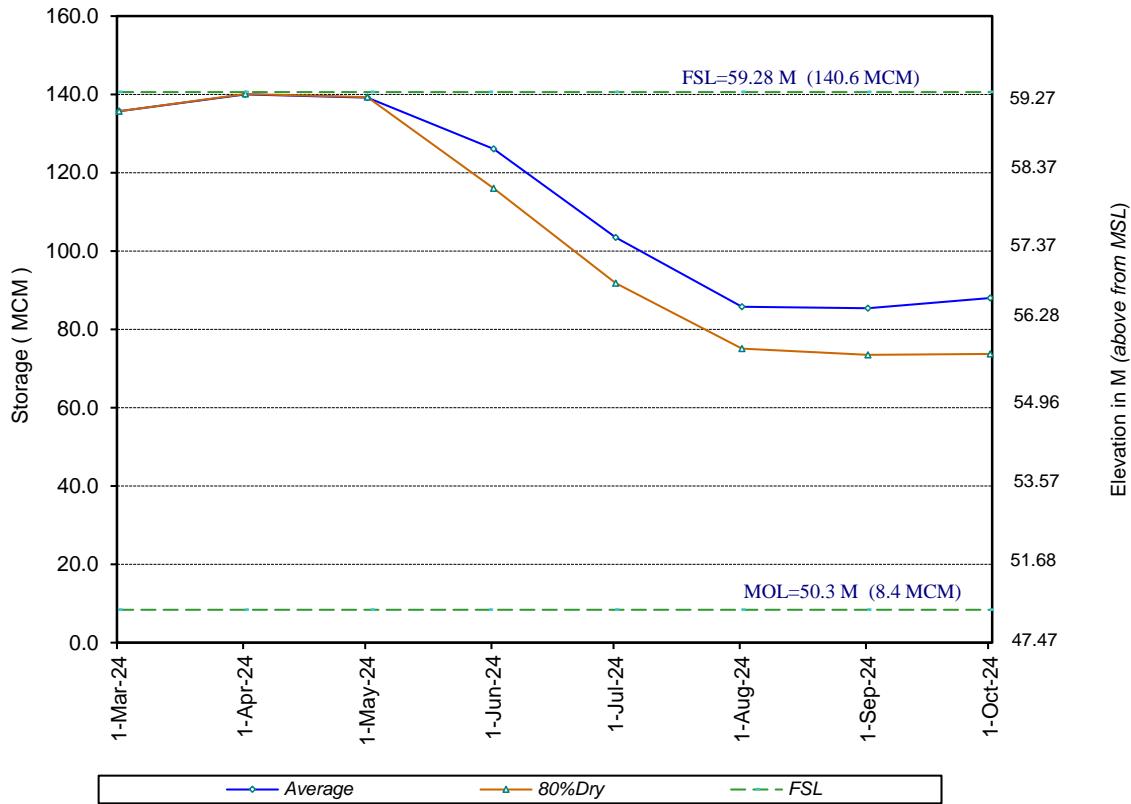


**Fig: 4.33 - KAUDULLA**

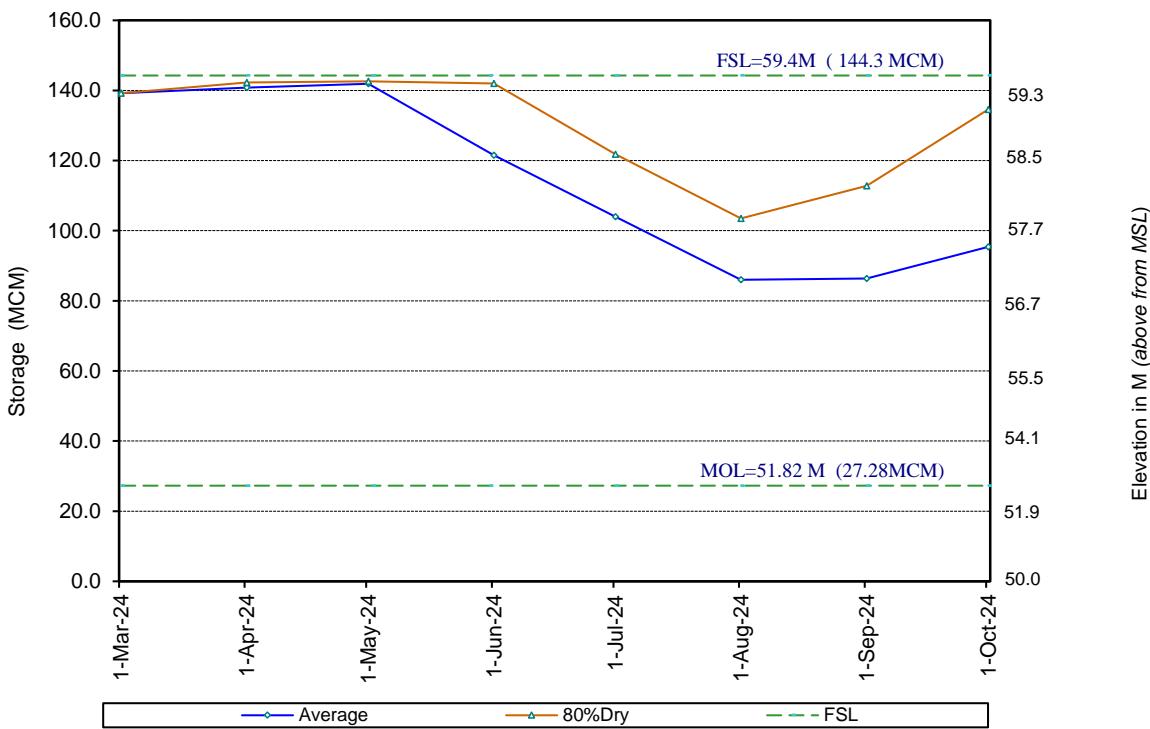


2024 YALA SEASON

**Fig: 4.34 - KANTALE**

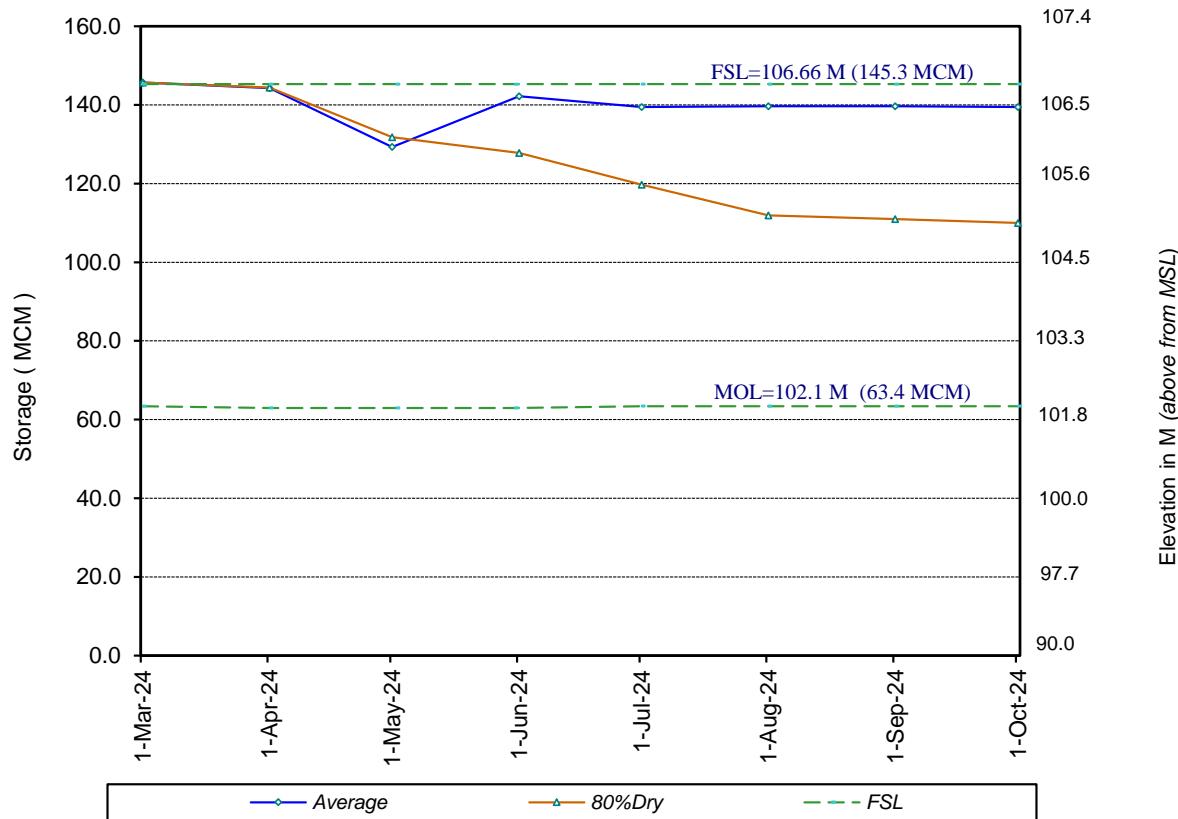


**Fig: 4.35 - PARAKRAMA SAMUDRAYA**

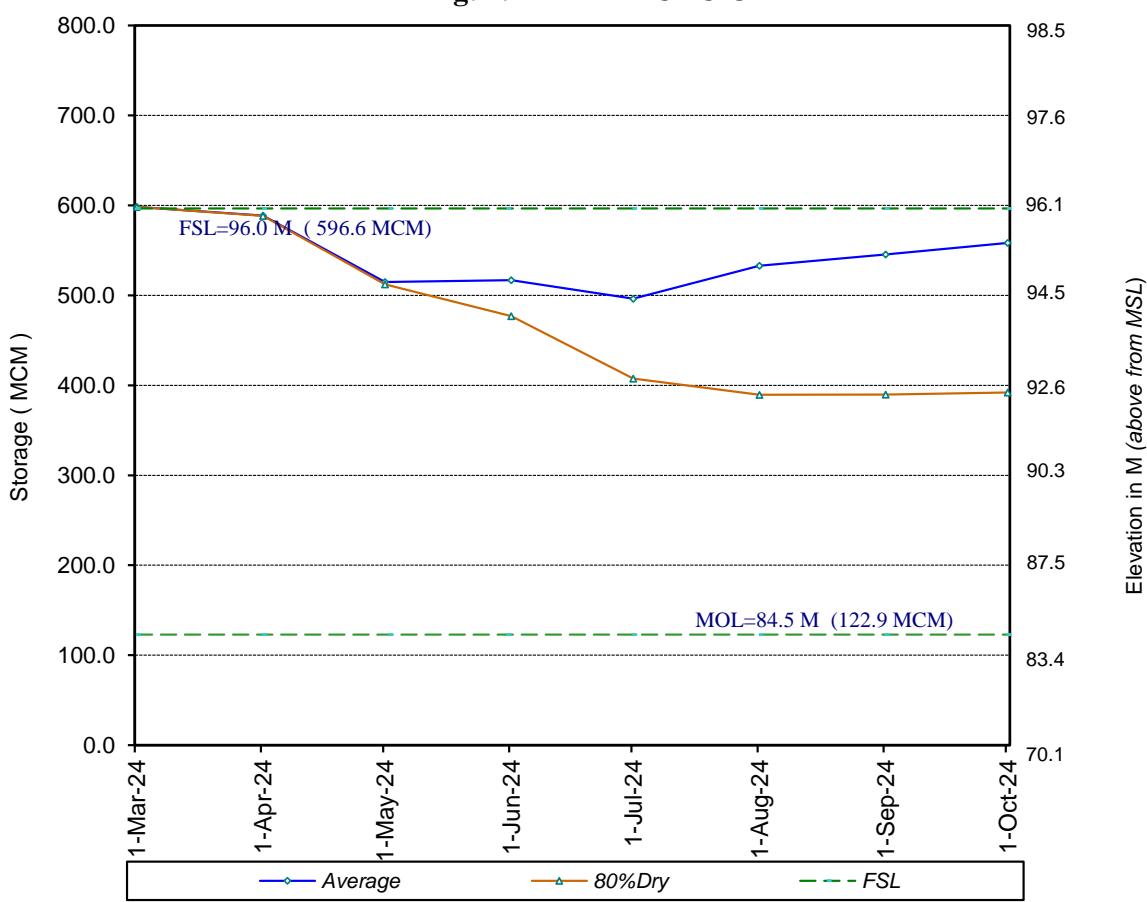


### 2024 YALA SEASON

**Fig: 4.41 - ULHITIYA / RATKINDA**



**Fig: 4.42 - MADURU OYA**



2024 YALA SEASON

**Fig: 4.51 - UDAWALawe**

