IRRIGATION AND FLOOD CONTROL IN MYANMAR

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MANANGEMENT OF FLOOD CONTROL AND DISASTER MITIGATION

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(1)COUNTRY BACKGROUND

(2)ORGNIZATION OF IRRIGATION DEPT.

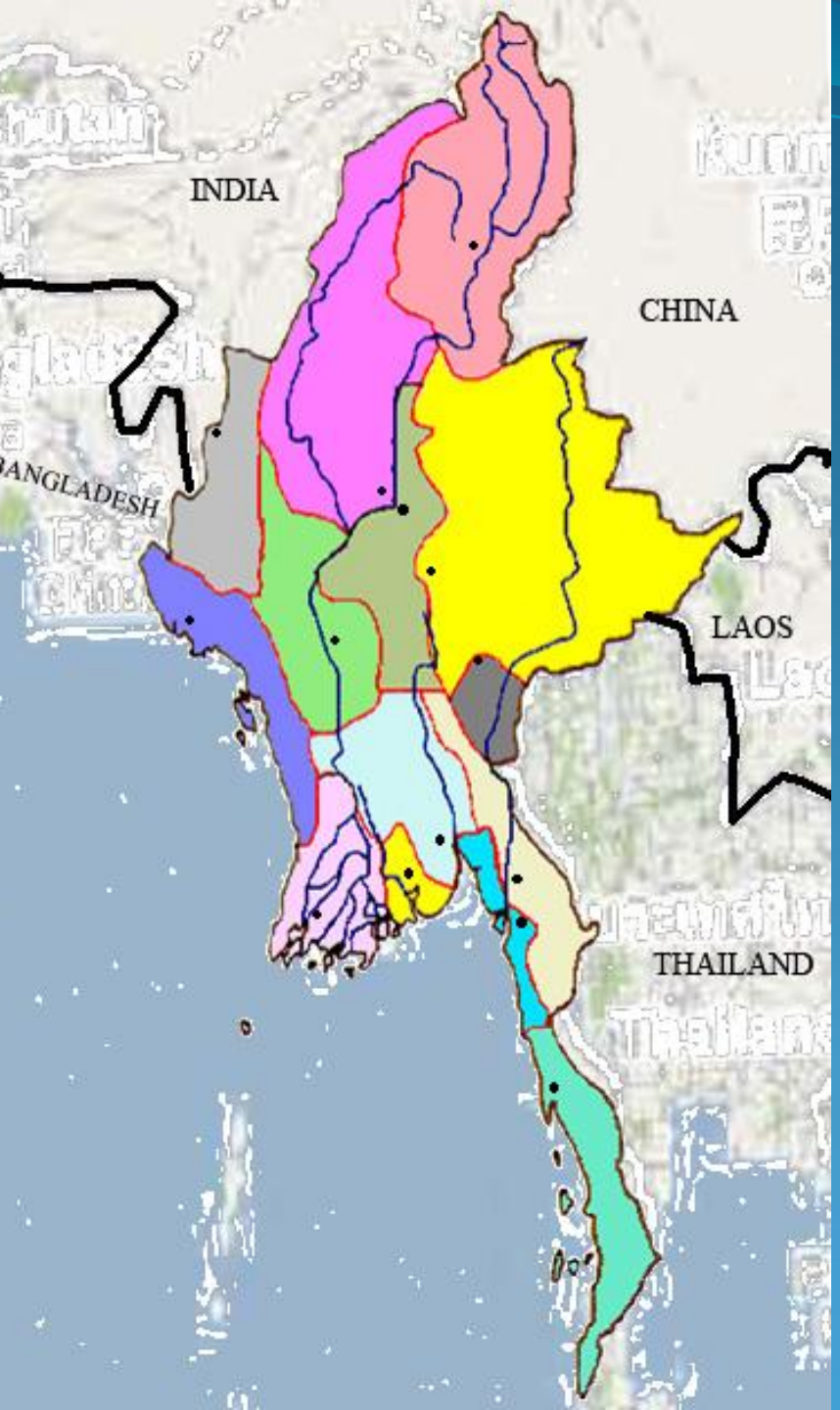
(3)BASIN-WISE INFLOWS

(4)SITTAUNG VALLEY PROJECT

(5)SWA CHAUNG DAM PROJECT

(6)KABAUNG DAM PROJECT

(7)PAUNG LAUNG WEIR



(1) Country Background

•Area	678,500 Sq. Km
•Population	52 million
•Growth Rate	2.02%
•Rural Population	78%

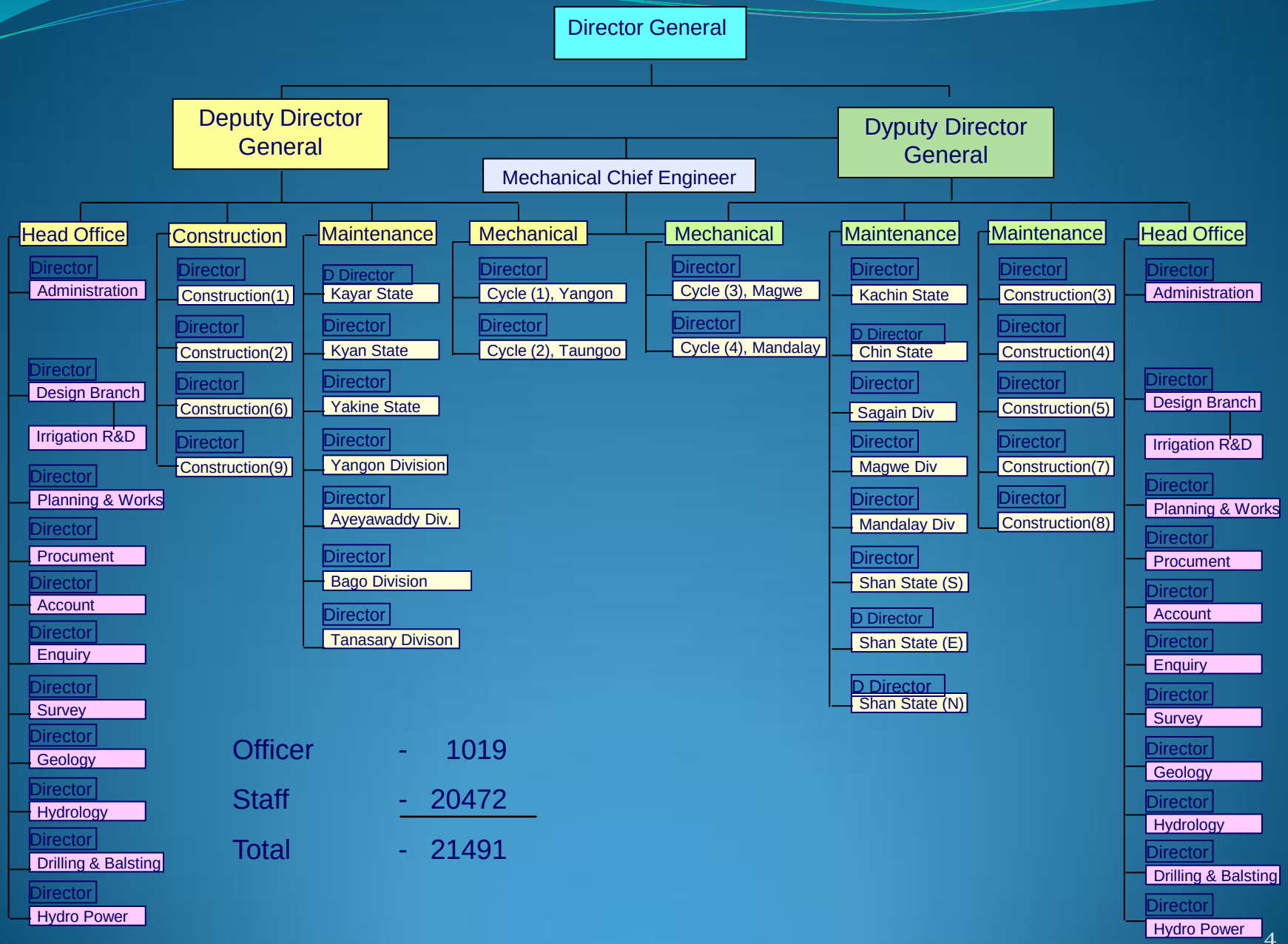
➢Most of whom are directly or indirectly dependent on agriculture for their livelihoods

•Avg. Population	79 person / Sq. Km
•Delta Area	150 person/ Sq. Km
•High Land	30 person / Sq. Km

➢The National Economic Plan gives high priority to agriculture

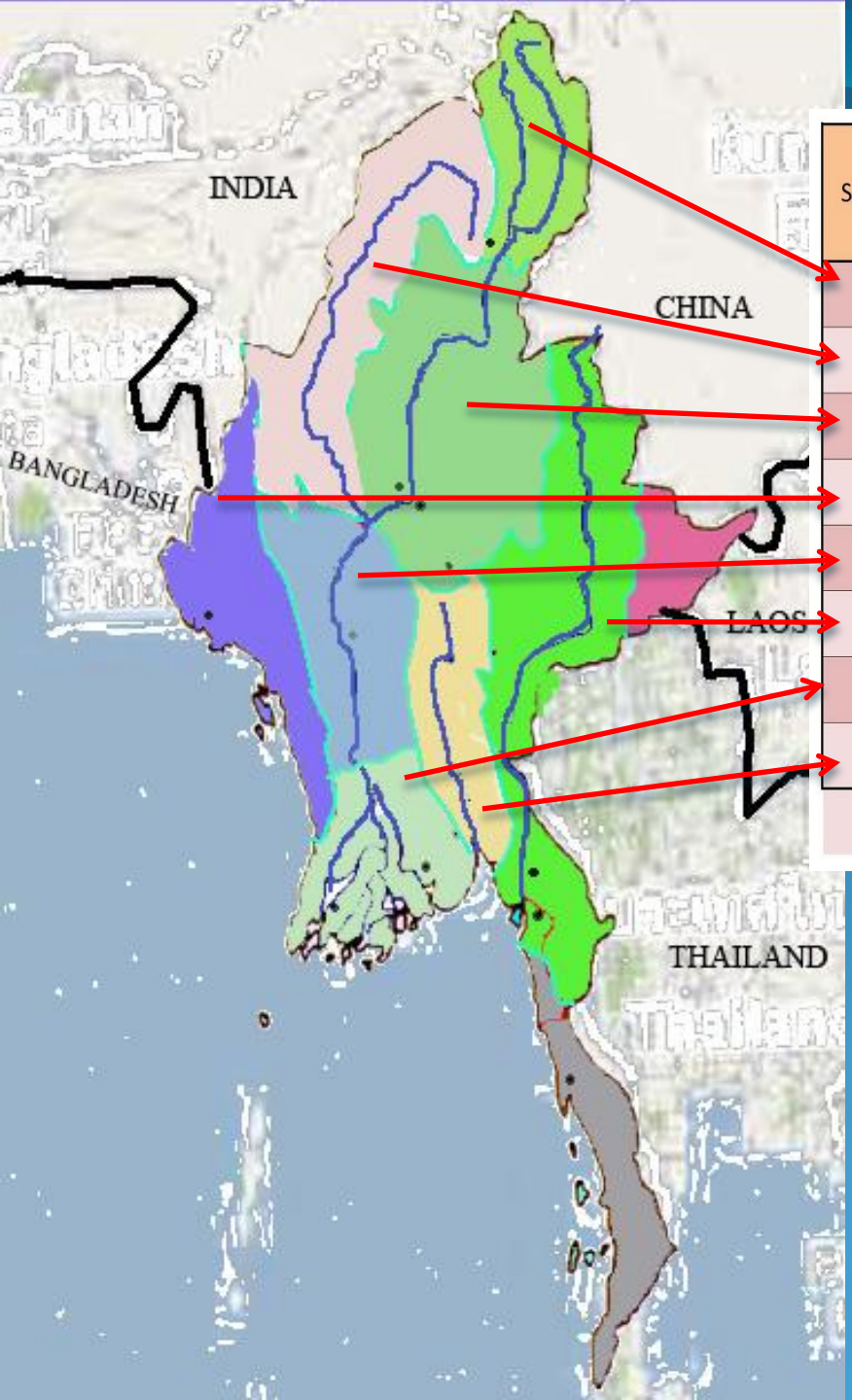
➢Myanmar have 14 No. of state and division

(2) Organization Chart of Irrigation Department



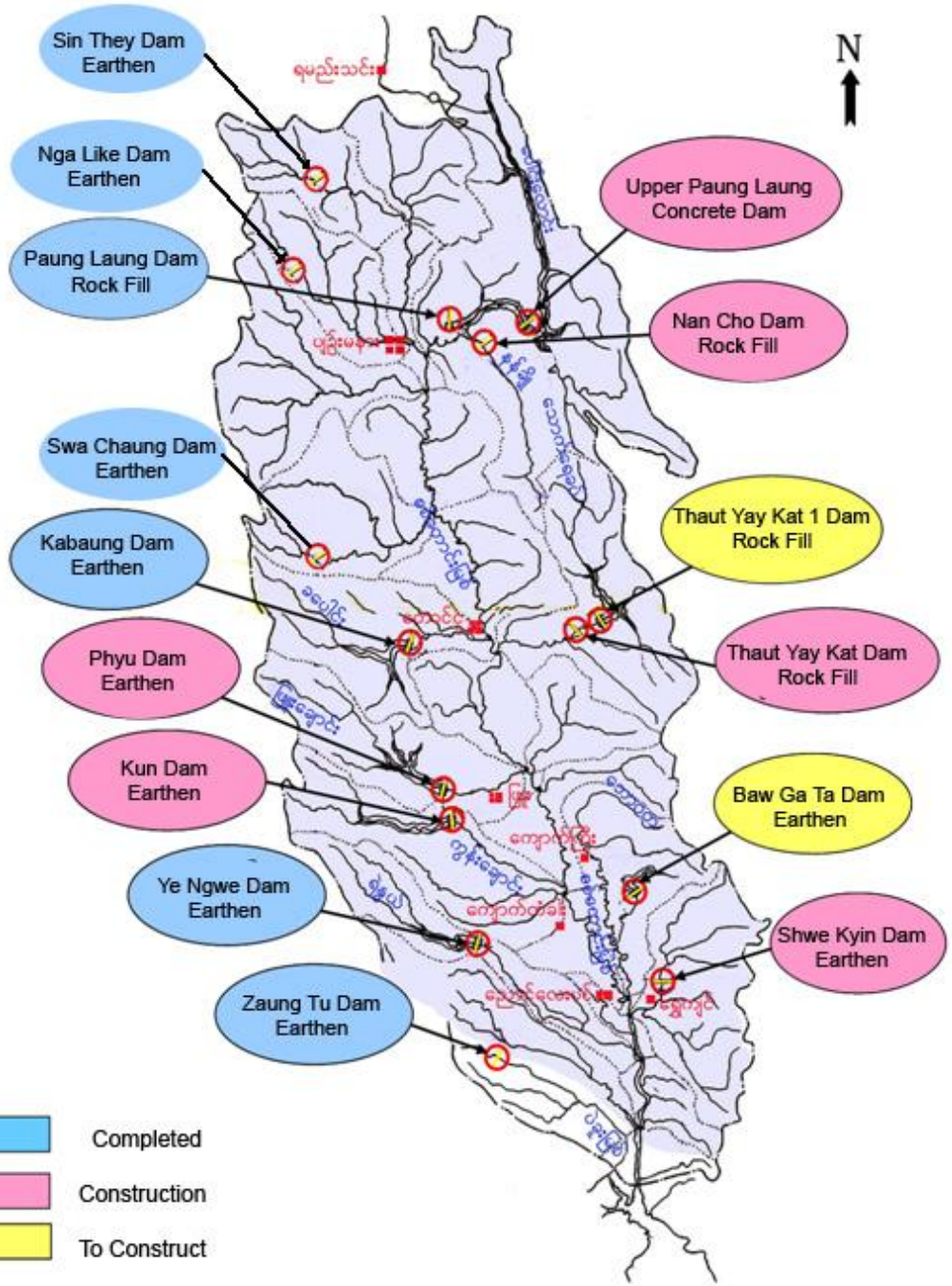
Officer	-	1019
Staff	-	20472
Total	-	21491

(3) Basin - wise Inflow



Sr.	Basin	Catchment Area		Rain Fall		Inflow	
		(Sq. Mile)	(Sq. Km.)	(in)	(mm)	(Ac.Ft.)x10^{-3}	(Cu. M)x10^{-6}
1	Ayeyawaddy (Start)	15,942	40,812	140	3,557	53,565	66,062
2	Chin Twin	36,400	93,184	95	2,414	83,138	102,534
3	Ayeyawaddy (Upper)	54,272	138,936	50	1,271	76,062	93,807
4	Rakine	21,462	54,943	140	3,557	114,650	141,398
5	Ayeyawaddy (Lower)	23,430	59,981	55	1,398	40,557	50,019
6	Than Lwin	14,861	38,044	200	5,082	90,355	111,435
7	Ayeyawaddy (Delta)	17,216	44,073	90	2,287	42,805	52,791
8	Sittaung	13,124	33,597	110	2,795	42,666	52,620
Total		196,707	503,570			543,798	670,666

(4) Sittaung Valley Project



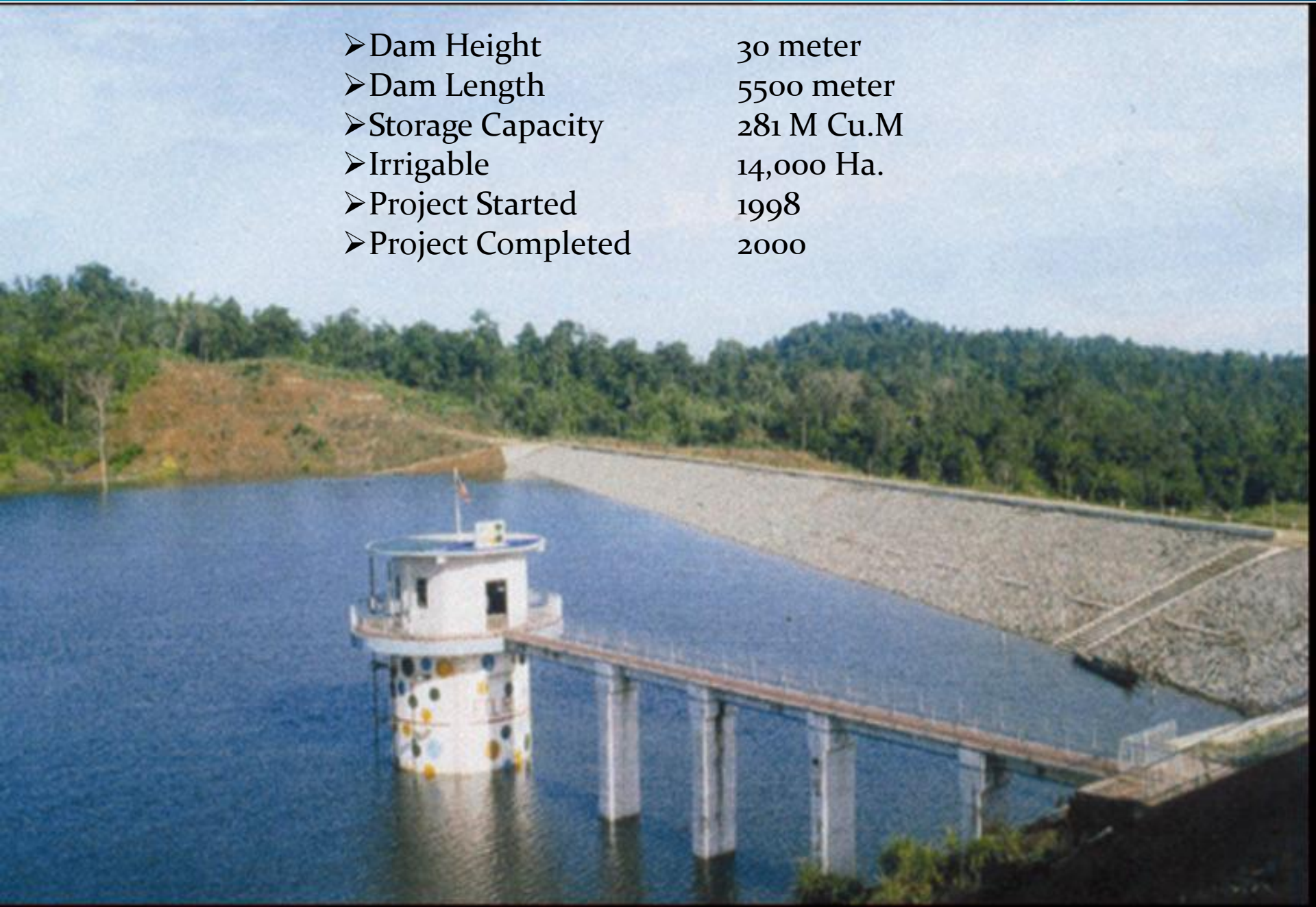
- ❖ Catchment 3359 Sq. Km
- ❖ Inflow 52,620 Million Cu M
- ❖ Medium to high Dam 15 Nos.

After Project Complete

- ✓ 40% of inflow will be control
- ✓ Flood protection for 250,00 Ha .
- ✓ Beneficial irrigable land 800,000 Ha.
- ✓ Turbine Generation become 1140 M W

(5) Swa Chaung Dam

- Dam Height 30 meter
- Dam Length 5500 meter
- Storage Capacity 281 M Cu.M
- Irrigable 14,000 Ha.
- Project Started 1998
- Project Completed 2000

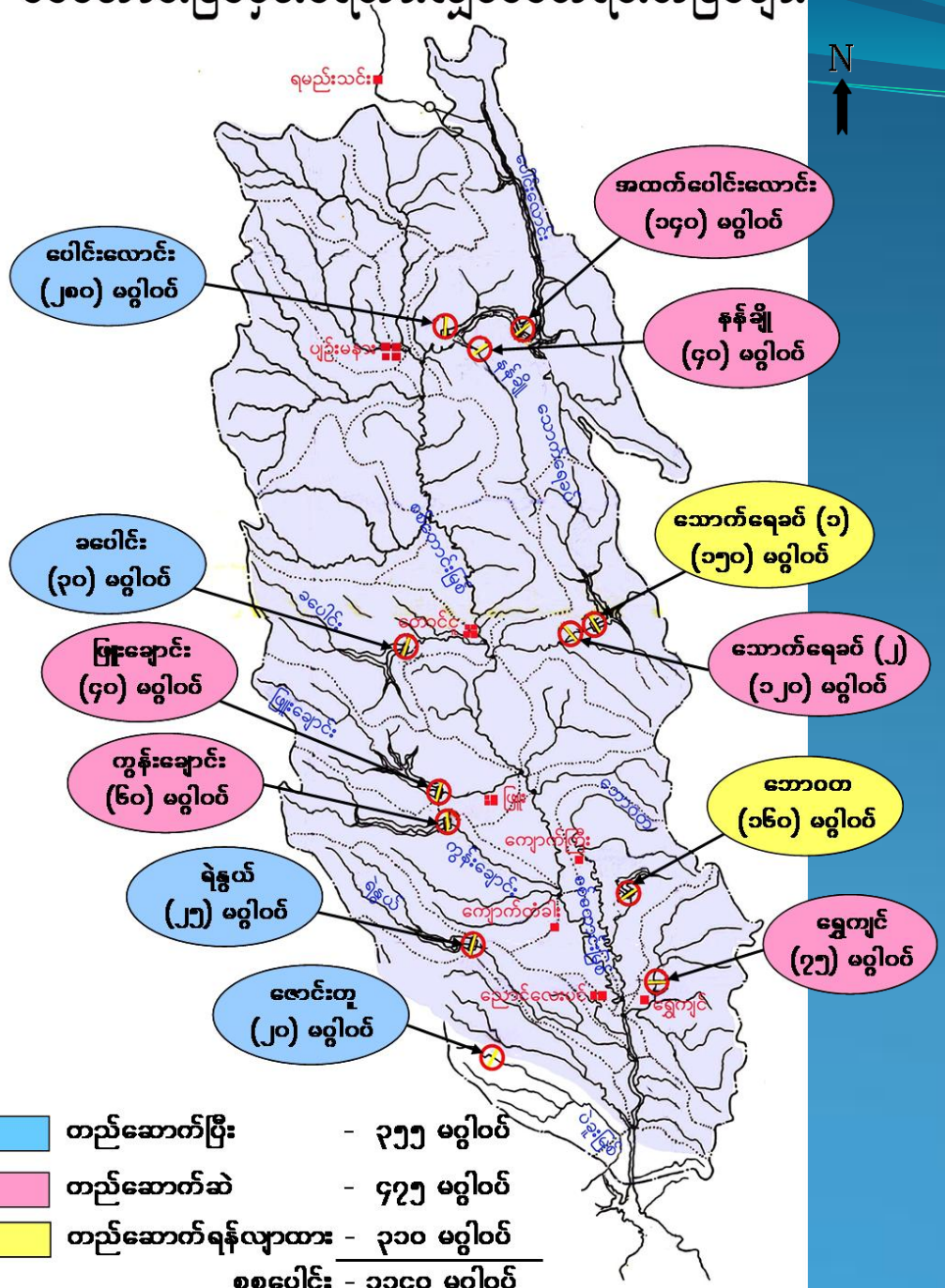


(6) Kabaung Dam (Multipurpose)

- Dam Height 60 meter
- Dam Length 670 meter
- Storage Capacity 493 M Cu.M
- Irrigable 32,000 Ha.
- Project Started 2001
- Project Completed 2005
- Power Capacity 30 M Watt
- Diversion Length 366 Meter

(7) Paung Laung Weir

- Weir Ogee Length 228.6 meter
- Undersluice 9 M x 4 No. (With Radial Gates)
- Spill Discharge 2800 Cu M per Sec.
- Irrigable Area 12000 Ha.

Thank You

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