

Kalay District General Administration Department



Presentation of Kalay District Flood

Date: 26-2-2018

Locality of Kalay District

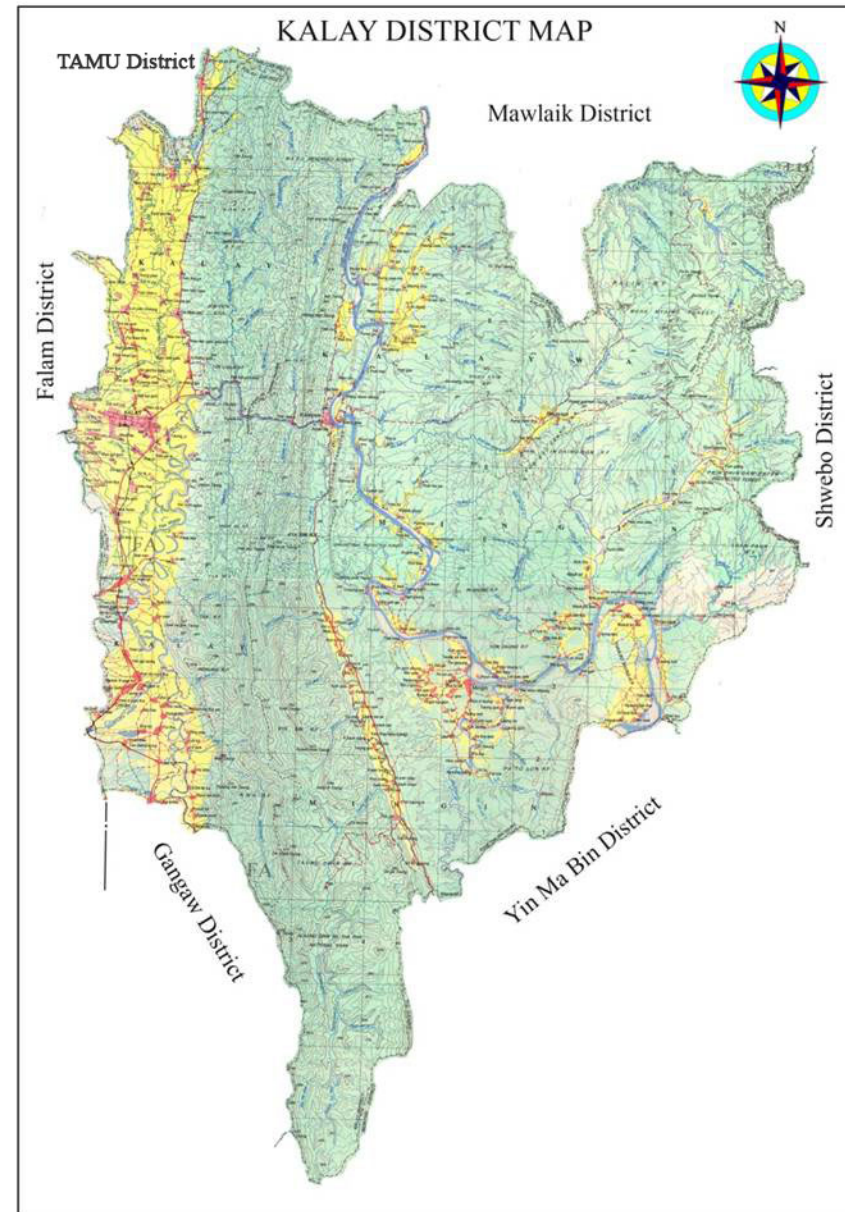
Kalay District Situate Upper Sagaing Region.

North - Mawlaik District and Tamu District

East - Shwebo District

South - Yin Ma Bin District and Gangaw District

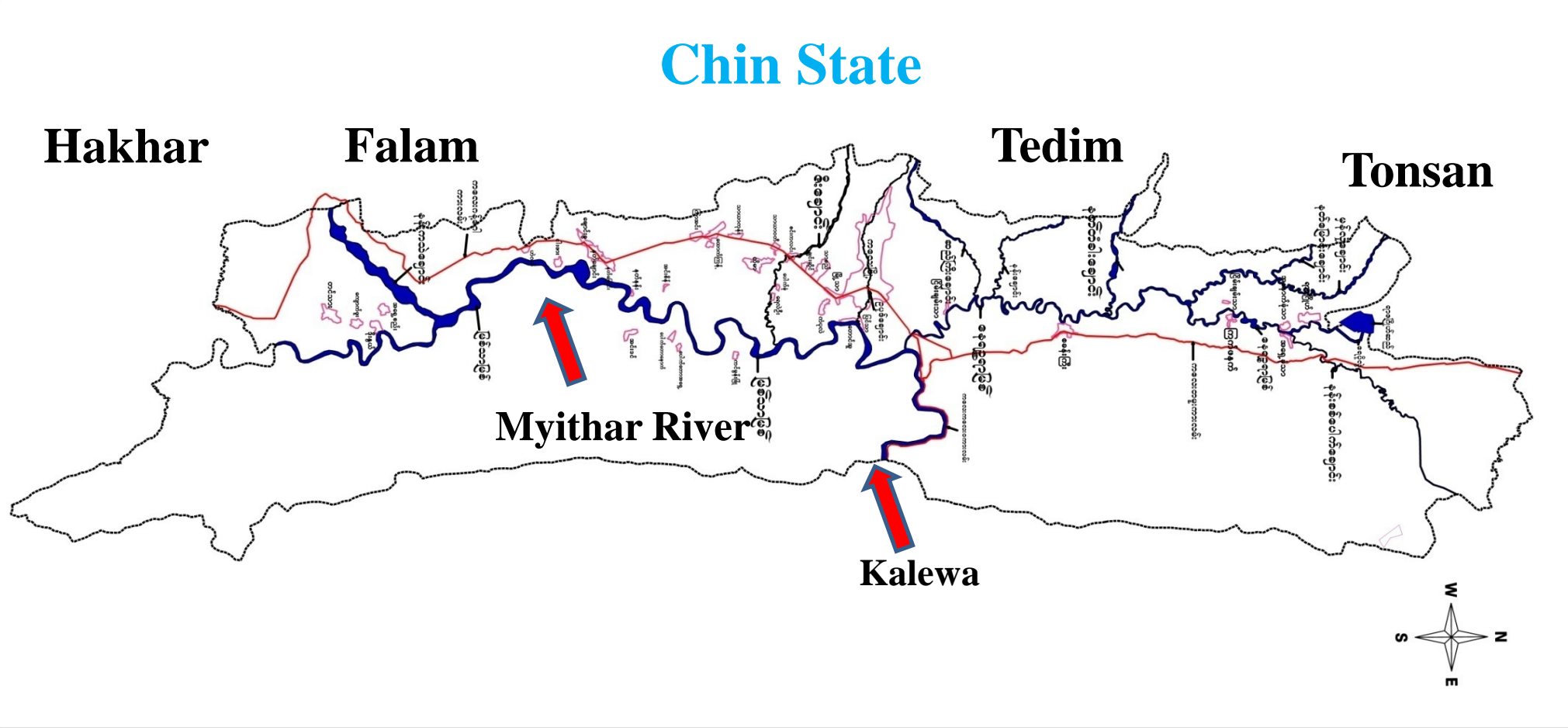
West - Chin State



Kalay District's Sea Level

No.	Township	Sea Level
1	Kalay	450'
2	Kalewa	399'
3	Minkin	438'

Map of Rivers and Streams flow in to Myithar River of Kalay



Cause of Flood

- When rainfall is over in Chin State, water of North Chin State ; Tonsan, Tedim, Falam, Hahka townships and India Country flow from Manipuya river to Myithar river of Kalay township. Besides, water of South Chin State which Mintap, Matupi, Palatwa townships flow Myithar Dam of Magway Region's Gangaw township which South of Kalay and it flow Myithar river. So, Kalay is yearly flooded because of this situations.

Raining Condition in 2017

No.	Date	Kalay	Gangaw	Hakha	Falam	Tedim	Tonsan	Matupi	Mintap
1	17-9-2017	-0.47	1.18	1.62	2.01	1.33	0.98	0.43	1.46
2	18-9-2017	3.55	0.79	2.36	2.01	1.85	1.57	1.10	1.18
3	19-9-2017	0.91	1.30	2.72	4.49	1.60	0.78	1.18	2.87
4	20-9-2017	1.49	0.12	1.06	1.57	0.87	0.32	0.63	0.75
5	21-9-2017	0.04	0.20	0.04	0.55	0.67	0.16	1.30	0.32

From 2015 to 2017 highest rainfall of Kalay

No.	Year	Rainfall(inch)	Remark
1	2015	3.78	In July
2	2016	2.91	In June
3	2017	3.55	In September

Myithar river (Pyinthar) water intrusion in 2017

No	Date	Time			Remak
		06:00	12:00	18:00	
1	17-9-2017	610	652	738	
2	18-9-2017	851	905	957	
3	19-9-2017	1039	1069	1123	
4	20-9-2017	1203	1248	1269	
5	21-9-2017	1310	1310		

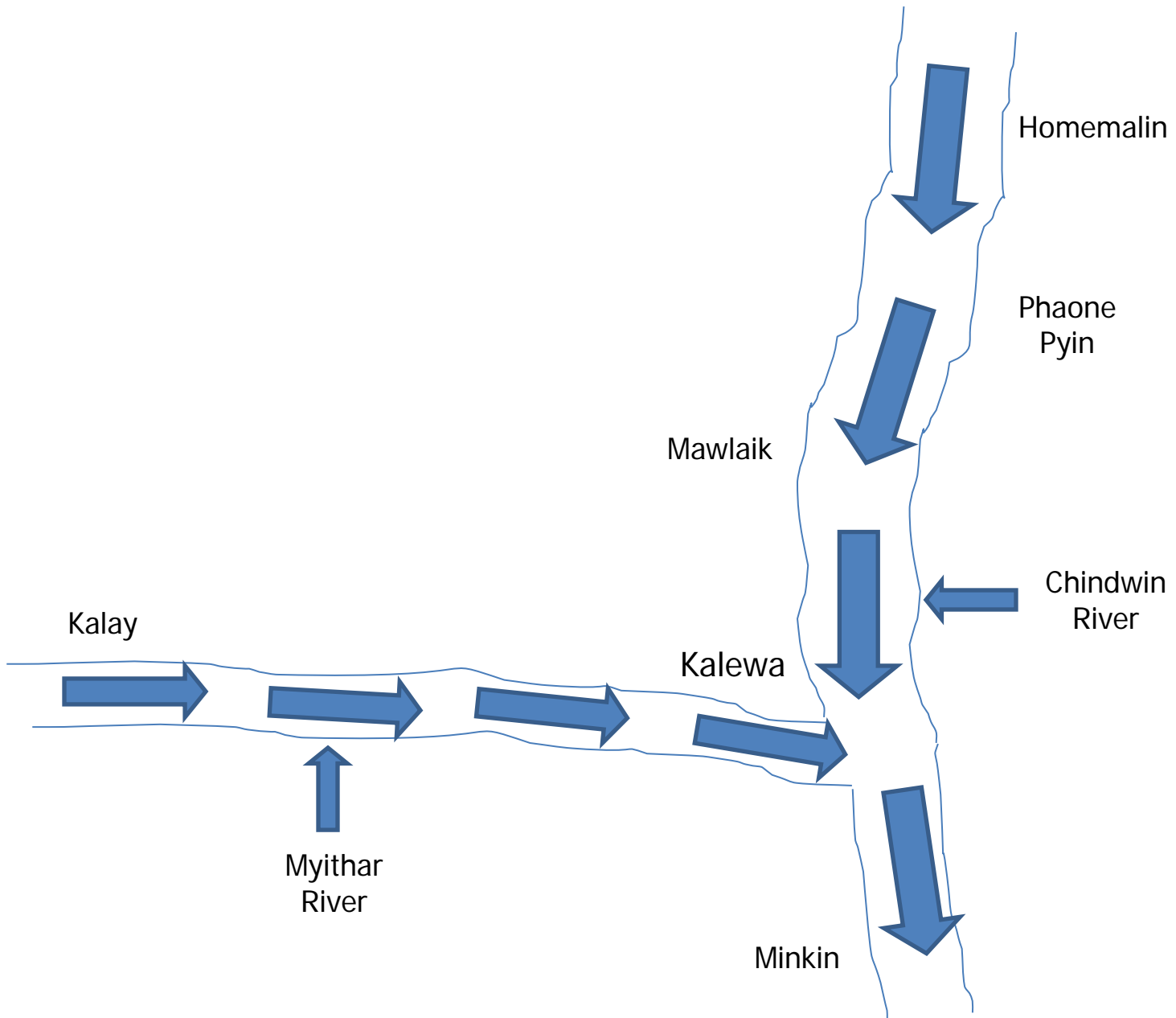
**Explanation: Myithar water point – 1313 cm (21-9-2017 09:30)
Myithar water point – decrease 6 cm
(21-9-2017 15:00)**

Kalay, Kalewa, Minkin Townships of Kalay District rainfall highest From 2015 to 2017

No	Township	2015			2016			2017		
		7/2015	8/2015	9/2015	7/2016	8/2016	9/2016	7/2017	8/2017	9/2017
1	Kalay	3.78	2.13	3.66	2.91	2.09	1.97	2.01	3.26	3.90
2	Kalewa	1.73	2.56	3.15	1.18	1.99	3.11	2.12	3.15	3.62
3	Minkin	3.98	1.93	2.91	2.24	2.60	1.97	2.28	2.68	2.28

Townships of Kalay District of highest water point

No	year	Kalay (Myithar) cm		Kalewa (Chindwin) cm		Minkin (Chindwin) cm	
		Danger Point	Highest Point	Highest Point	Highest Point	Highest Point	Highest Point
1	2015	1100	2067	1550	1883	1350	1675
2	2016		1049		1726		1511
3	2017		1313		1536		1371



Chindwin reaches of the river water mark (2017)

No	Township	Danger Point	Reaches Point				
			17/9	18/9	19/9	20/9	21/9
1	Khaneti	1360	710	716	710	700	718
2	Homemalin	2900	2593	2622	2630	2643	2640
3	Phaone Pyin	1325	988	967	1005	1045	1065
4	Mawlaik	1230	876	938	1004	1026	1072
5	Kalewa	1550	1141	1309	1388	1456	1536
6	Minkin	1350	1034	1143	1255	1303	1371
7	Pyinthar (Kalay)	1100	610	851	1032	1203	1313

The arrival of water in the Kalay Town



Kalay City Hall



Kalay Portal

The arrival of water in the Kalewa Town and Providing material support



Kalay Township, 2017 Kale entry into the river-Kalewa road conditions



Kalay Township, 2017 Kale entry into the river-Gangaw road conditions



2017, Kalay Township, Household moving relief sponsorship



From 2015 to 2017 Kale, Kalewa, Minkin townships of Kalay District in relief camps opened and population transfer

No	Township	2015			2016			2017		
		The Number of relief	The Number of household	The Population reached relief	The Population reached relief	The Population reached relief	The Population reached relief	The Population reached relief	The Population reached relief	Remark
1	Kale	24	17840	79826	-	-	-	19	2173	9858
2	Kalewa	17	506	2107	24	389	1924	2	65	270
3	Minkin	76	7418	38652	69	685	3418	1	50	120

Chin, 2016 Tonzang Township dam young organic process

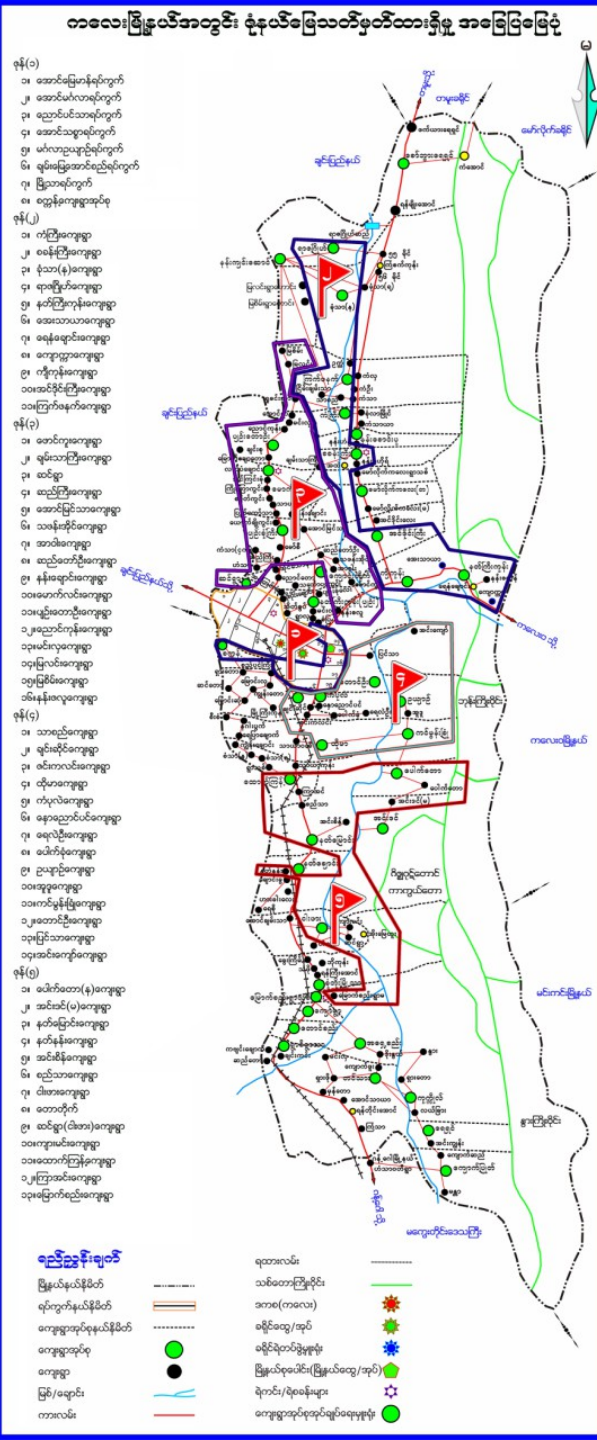
The Government conducted three dams catch silt and organic virgin dam one drain Kale township public concerns in order to avoid Chin State because of the landslide dam. When Chin State increased rainfall in July 2016, the sudden rapid increase in the sinking of the landslide dam swept away. At that time, three catching dams prevented fatigued. So, three catching dams protected Yarzagyo Dam.

Kalay District Kale Township Set up by relief Zone area

- Zone area (1) – 3 wards
1 village
- Zone area (2) – 10 villages
- Zone area (3) – 16 villages
- Zone area (4) – 13 villages
- Zone area (5) – 13 villages

The relief

- Monastries
- Schools
- Cathedral
- Universities



Kalay Township in 2015 and 2017 compared to disasters presentation



Review the Suggestion

According to the annual flooding processes observations, floods occurred in Kalay township because rainfall increased in Magway Region and Chin State. Besides, in 2015, Chindwin river level increased because of high rainfall. So, Myithar river couldn't flow into Chindwin. Thus, water was flowing into the Kalay township. So, flood occurred at Kalay in 2015.

Now, Sagaing Regional government is being processed to organise Chindwin River Basin Organization (CRBO).

Departmental Staff and public of Kalay need to advance security not only Magway Region some weather phenomenon but also Chin State weather process because they will prepare flood.

Thank you