

The Republic of the Union of Myanmar
Ministry of Electricity and Energy
Electricity Supply Enterprise



Explanation of the Significance of Electricity and Energy

Place || Thiri Hpa-An Hotel ,Hpa-An Tsp, Kayin State
Date || 24.11.2017

- The area of Kayin State is about **11,731 square mile** wide.
- It has a population of **1.58 million** and **31.02%** of the population have already got electrified from Power System.
- Total Load for Kayin State is **43.77 MW**.
- Coal Plant (**1280 MW**) operated by Thailand TTCL Public Company Limited is planned to conduct in **2019-2020 Fiscal Year**.

List of Electrified Households according to Districts in Kayin State

No	Name of Districts	Households	Electrified Households	Remaining Households	Electrified Households (%)
1	Hpa-An	154861	56993	97868	36.80
2	Kawkareik	21594	4821	16773	22.33
3	Myawady	23272	-	-	-
	Total	199727	61814	114641	31.02

Note: Myawady Township electrified by 22 kV Distribution Line from Thailand Power System and Shwe Myit Thaung Yinn Co., Ltd is responsible for Distribution in Myawady Tsp.

Electrification of Villages in Kayin State electrified by On-Grid, Diesel, Mini-Hydro and other methods to **August,2017**

No	State	Village lists	Number of Villages									Electrified Villages	Remai-ning Villages
			On Grid	Mini hydro	Bio Diesel	Rice Husk	Diesel	Win d Power	Solar	Diesel + Hydro power	Import from Neighboring Country		
1	Kayin	2119	248	57	-	3	105	-	381	-	8	802	1317
Total		2119	248	57	-	3	105	-	381	-	8	802	1317

List of Substations From **August 2017** In Kayin State

No	Region/ State	66kV		33kV	
		No of Sub-Station	Rating (MVA)	No of Sub-Station	Rating (MVA)
1	Kayin State	-	-	-	-
	(A) ESE	2	39	4	17
	(B) Industrial Zone	1	20		
	(C) MEC	3	50	1	10.5
Total		6	109	5	27.5

Various M.V/ L.V Line in **August 2017** in Kayin State

No	Region/ State	66kV Line (Mile)	33kV Line (Mile)	11kV Line (Mile)	400 V line (Mile)
1	Kayin State	80.014	73.11	336.714	508.41
Total		80.014	73.11	336.714	508.41

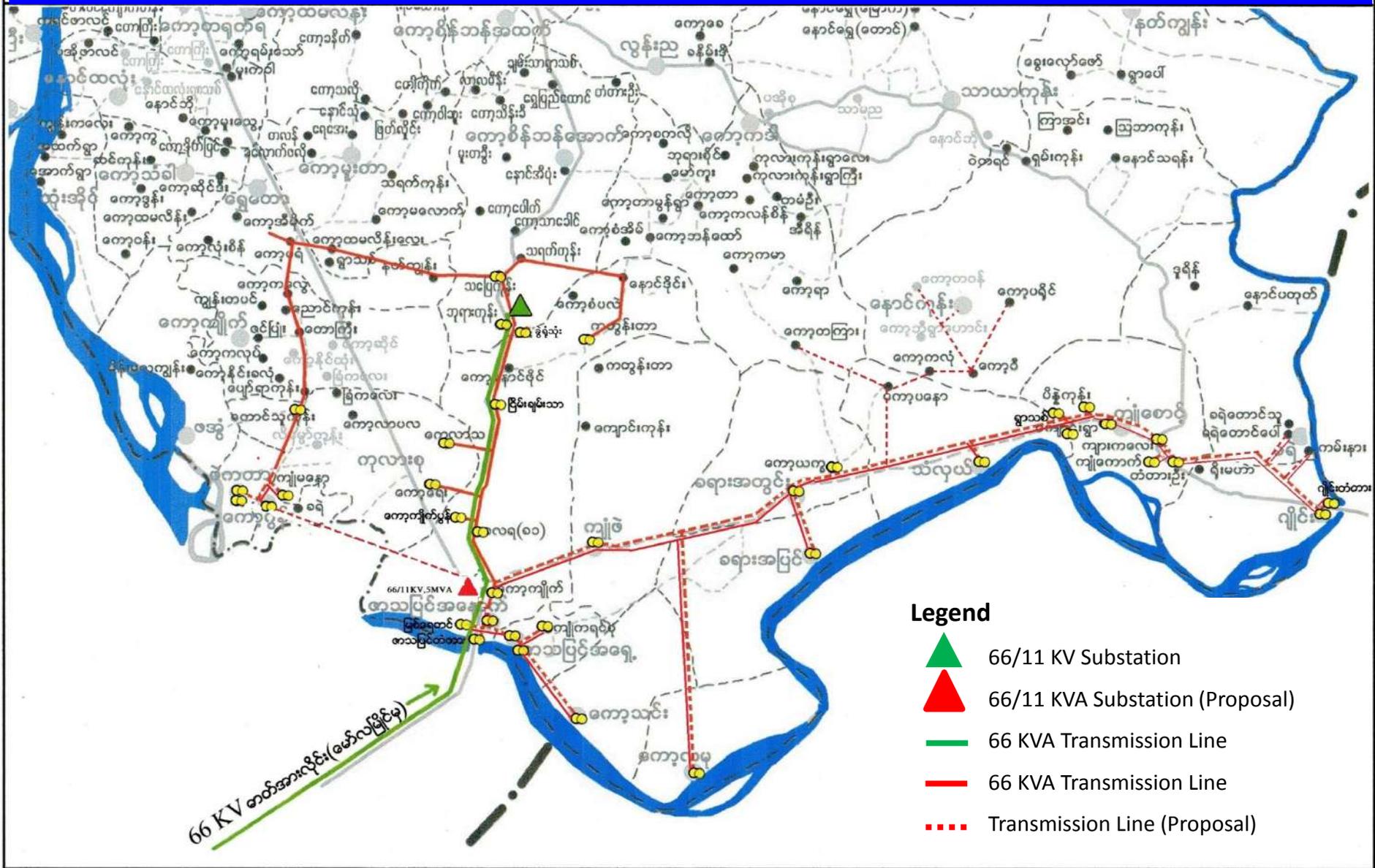
List of Sub-Stations and Distribution Lines proposed in Power Distribution System Improvement Project in Kayin State Funded By ADB Loan from 2018-2019 Fiscal Year to 2021-2022 Fiscal Year

No	Region / State	Location	Name of Projects
1	Kayin State	Ka Ma Maung Tsp	Construction of 66/11 kV 5 MVA S/s in Kamamaung and 66 kV line (35) miles from Kamamaung to Thahtone Factory
2	Kayin State	Than Daung Gyi Tsp	Construction of 66/33 kV 10 MVA S/s in KaTaingTi and 66 kV line (23) miles from Kamamaung to KaTaingTi
3	Kayin State	Phapon Tsp	Construction of 33 kV line (33) miles to Phapon from KaTaingTi 66/33 kV S/s and 33/11 kV 10 MVA S/s in Phapon
4	Kayin State	Hpa-An Tsp	Construction of 66 kV Double Circuit Line (1) mile from 66 kV Thahton- WaBoTaw-KaMaMaung Line to Nyaung Kone and Construction of 66/11 kV 10 MVA S/s in Pha-An (Nyaung Kone)
5	Kayin State	Hpa-An Tsp	Construction of 66 kV Double Circuit Line (1) Mile from 66 kV Thahton-WaBoTaw-KaMaMaung Line and Construction of 66/11 kV 5 MVA S/s in Pha-An (WaBoTaw)
6	Kayin State	Kya In Seik Kyi Tsp	Construction of 66 kV Line (41) miles from 66 kV MuDone S/s to ChaungNhaKhwa-Kya In Seik Kyi and 66/11 kV 10 MVA S/s in Kya Inn Seik Kyi
7	Kayin State	Hpa-An Tsp	Construction of 66 kV Line (12) Miles from Pha-An (PhayaKone S/s) to Eain-Du, 66/11 kV 5 MVA S/s in Pha-An (EainDu) and 66 kV Switch Bay (1) set in PhayarKone S/s
8	Kayin State	Hpa-An Tsp	Construction of 66 kV Malamyine-PhayarKone Line , 66 kV Double Circuit Line (0.6) mile and 66/11 kV 5 MVA S/s in Zar Tha Pyin
9	Kayin State	Paing Kyone Tsp	Construction of 33kV Line (11) Miles from Paing Kyone 33/11 kV S/s to Pawn Village and 33/11 kV 5 MVA S/s/ in Paing Kyon(Pawn Village)

Map of 66 KV Transmission Line for Mudon to Kyainseikgyi



Plan of Zathapyin Sub-station 66/11 KV 5 MVA



Project Completion Photos of **66 KV** Pha-An(Industry)

– Hlaing Bwe Line Loaned by **JICA ODA Loan**



Project Completion Photos of HlaingBwe - Myaing Gyi Ngoo

33 kV Line Loaned by **JICA ODA Loan**



Project Completion Photos of Myaing Gyi Ngoo 33/11 kV

5 MVA S/s Loaned by **JICA ODA Loan**



Project Completion Photo of Leik Tho 33/11 kV 5 MVA S/s

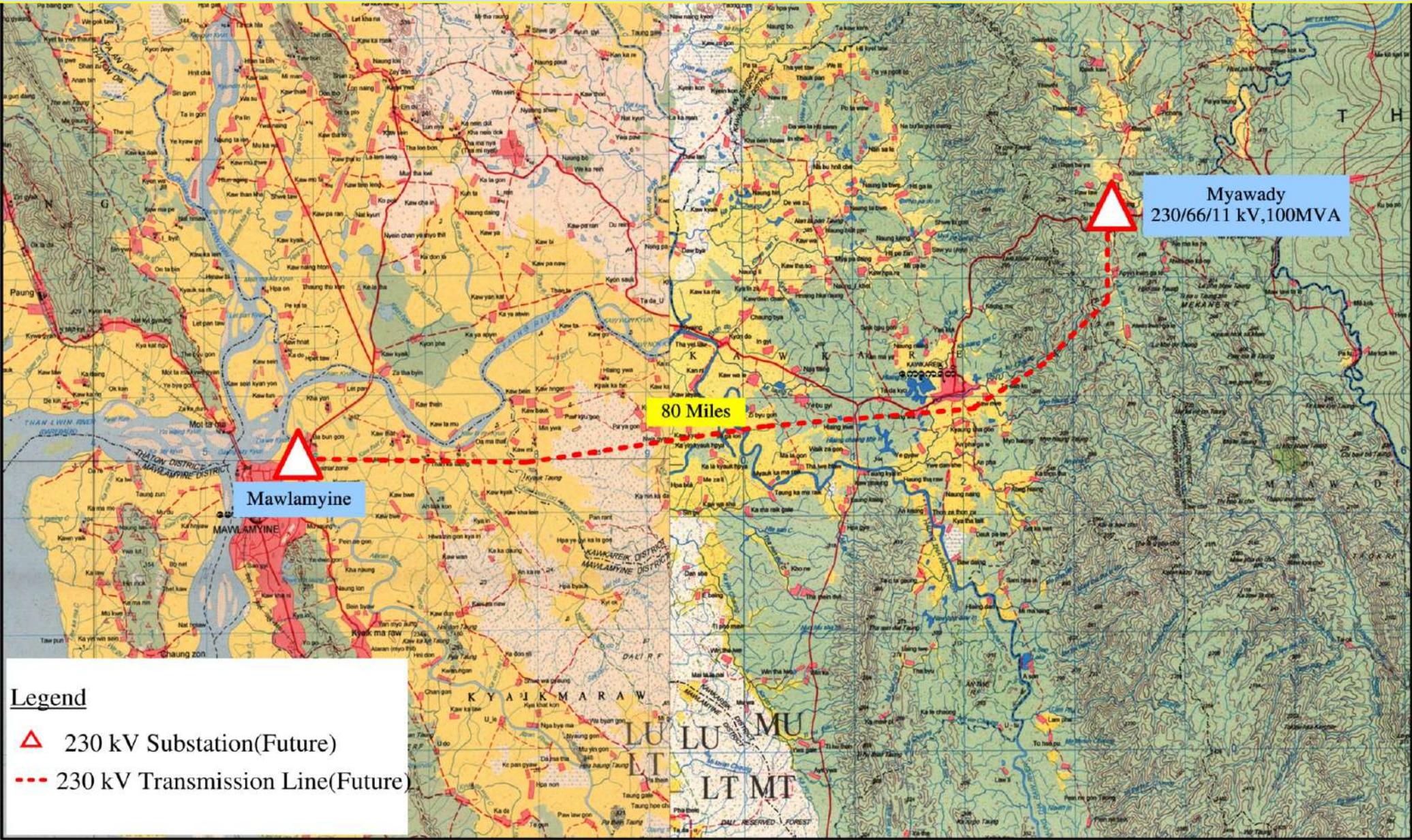
Loaned by **JICA ODA Loan**



230 kV Mawlamyine- Myawaddy Transmission Line and Substation Project

- Scopes of Work - Transmission Line (80)miles,
230/ 66/11 kV , (2x50) MVA
Myawaddy Substation
- Contract No. - 2014-2015
- Completion Date - 2018

230 kV Mawlamyine-Myawaddy Transmission Line and Substation Project



Project Completion Photos of MawLaMyaing –Myawaddy

230 kV Transmission Line



230 / 66 / 11 kV, (50×2) MVA, MYAWADDY SUB STATION MAIN TRANSFORMER



230 / 66 / 11 kV, (50×2) MVA, MYAWADDY
SUB STATION



66 kV Myawaddy-Kawtkayeik Transmission Line and Substation Project

- Scopes of Work - Transmission Line (20)miles,
66/11 kV ,(10) MVA
Kawtkayeik Substation
- Contract No. - 2014-2015
- Completion Date - 2017

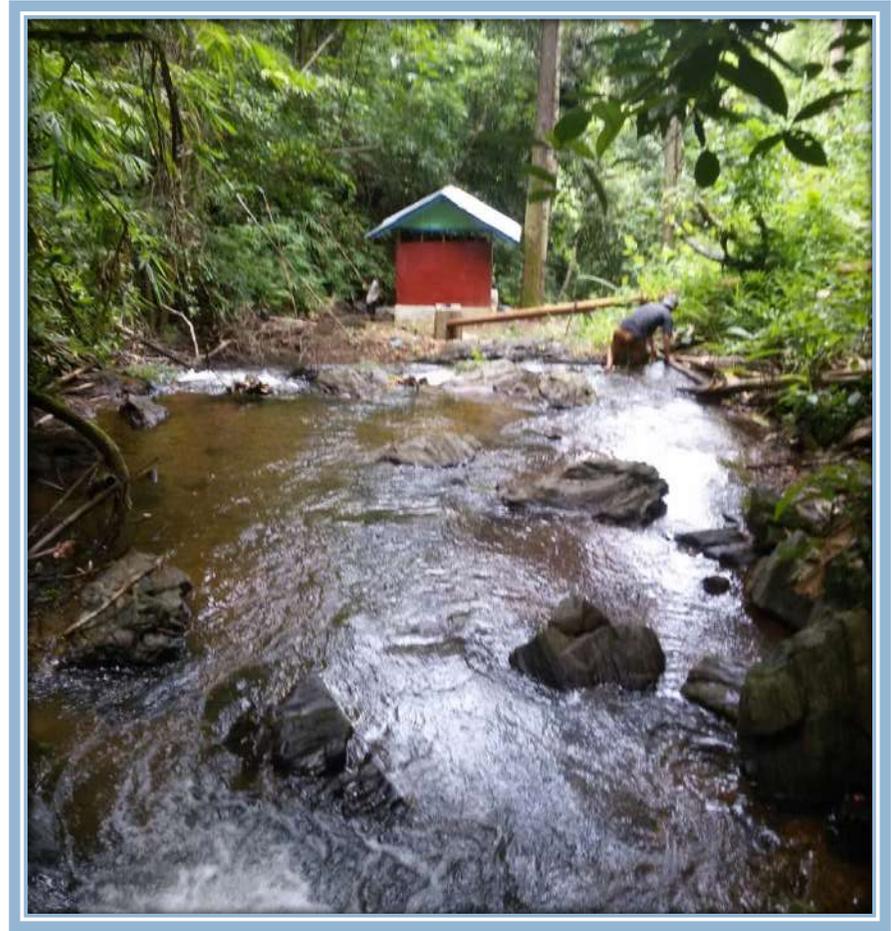
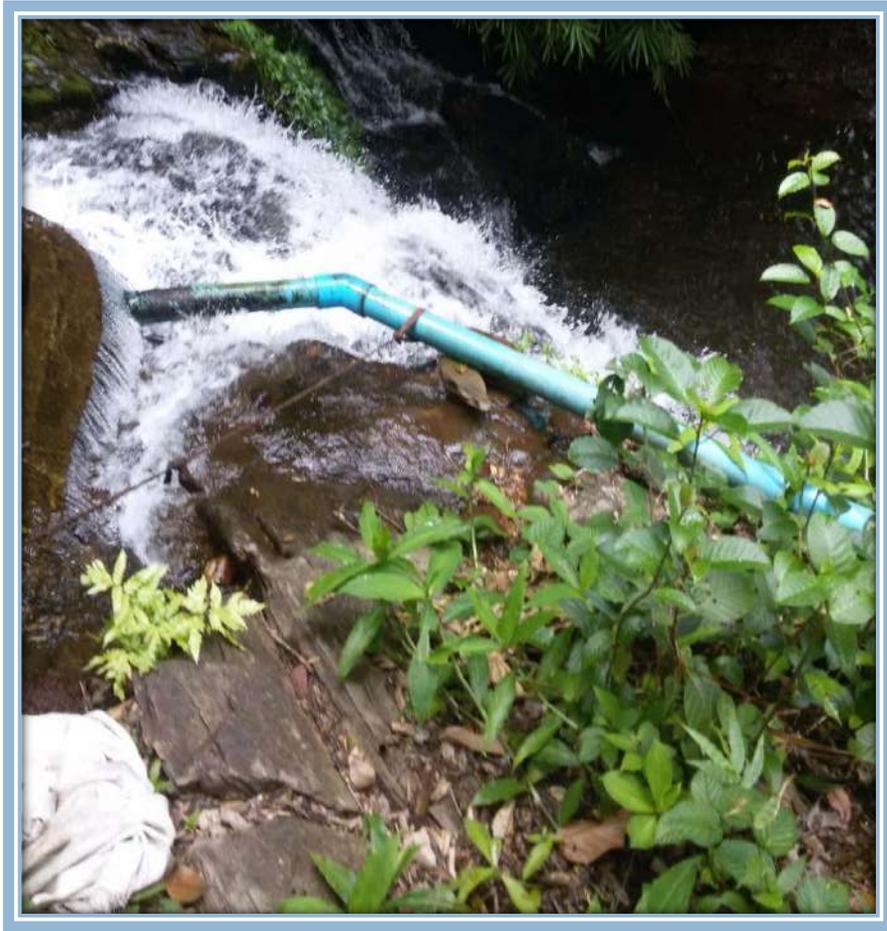
Pre-Construction of Distribution Lines to get Electrified for LayKaytKaw Tsp(New), Myawaddy Tsp



Pre-Construction of Distribution Lines to get Electrified for Lay KaytKaw Tsp(New), Myawaddy Tsp (Kayin State Budget)



Htiwakalue Waterfall in Htiwakalue village ,Kyaedoi town , Kyainseikgyi Insatalled the (10)kW Mini Hydro Generator

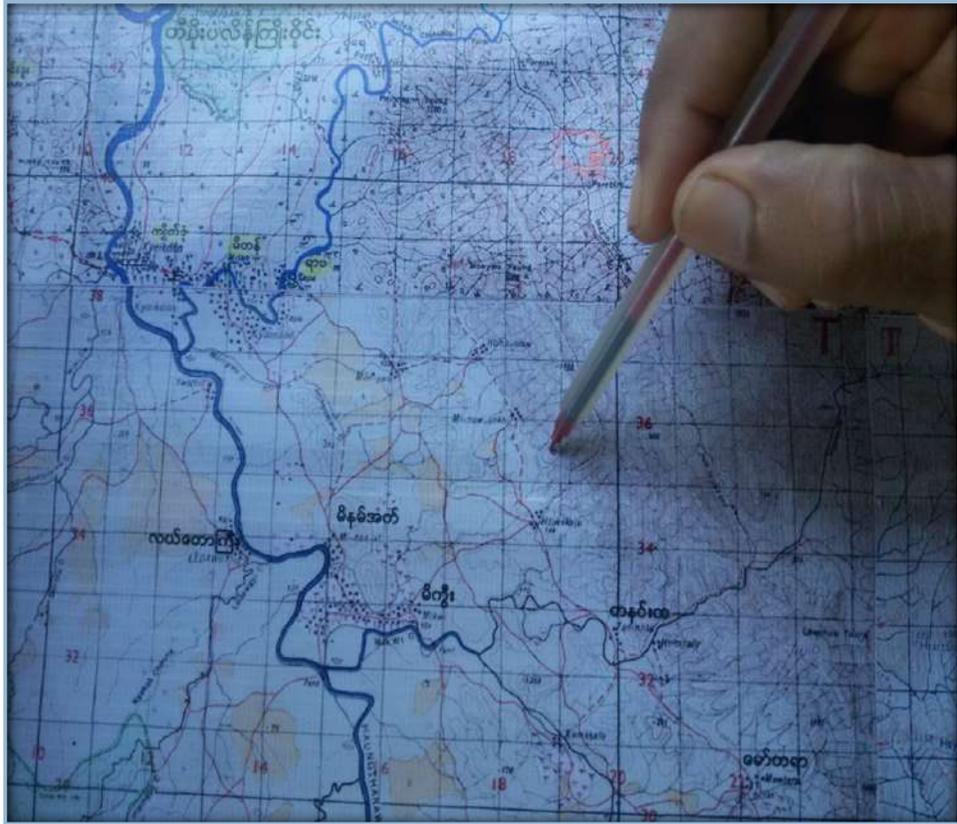


Htiwakalue Waterfall in Htiwakalue village ,Kyaedoi town , Kyainseikgyi

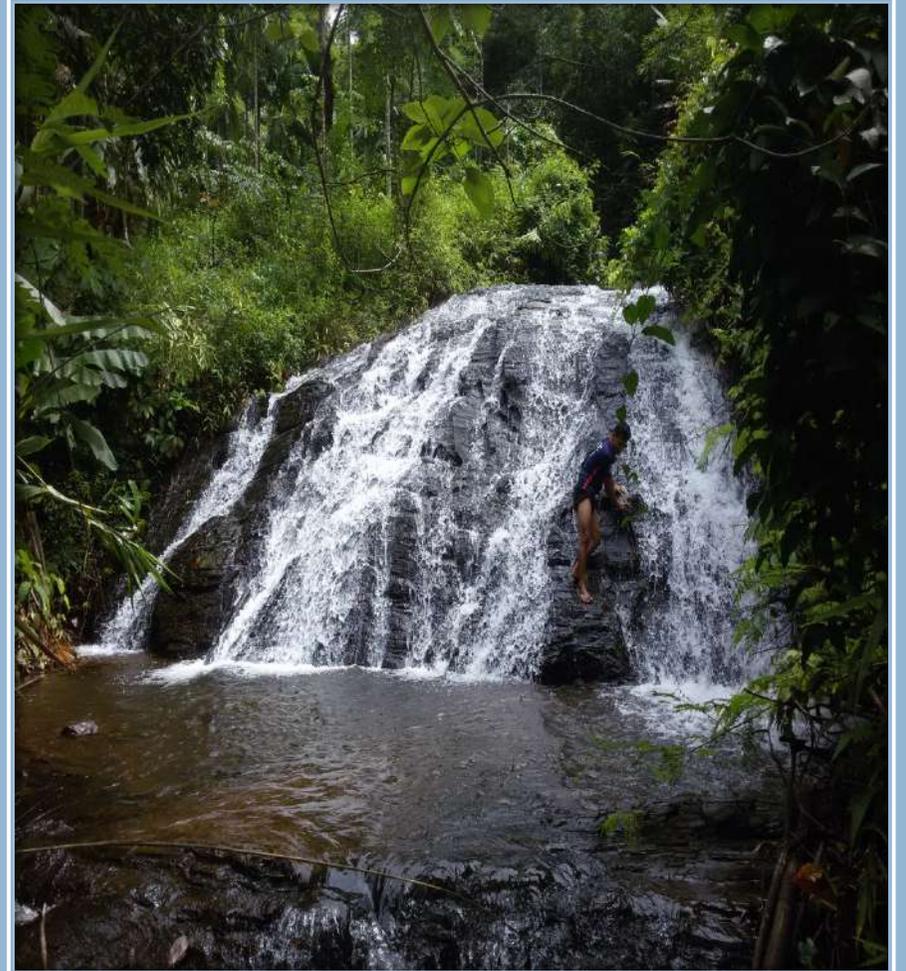
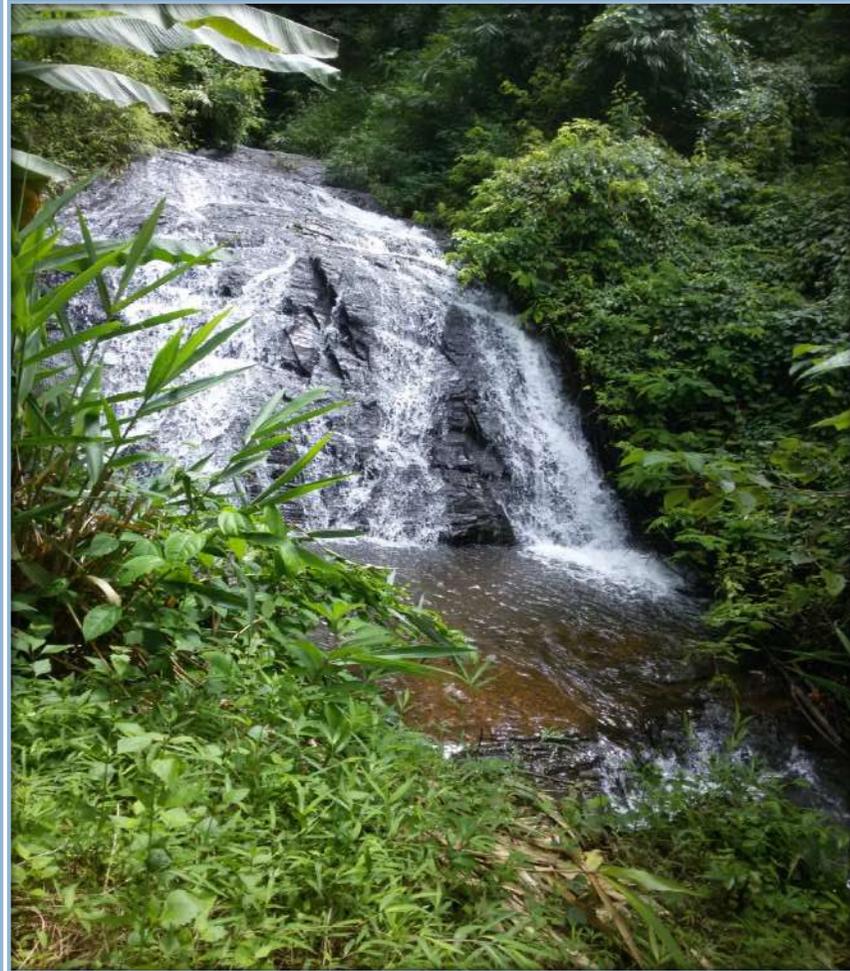
အမြင့် - ၂၀၀
အကျယ် - ၅၀၀
ရေအနက် - ၄၀

တည်နေရာ

2818896- E
635354- N



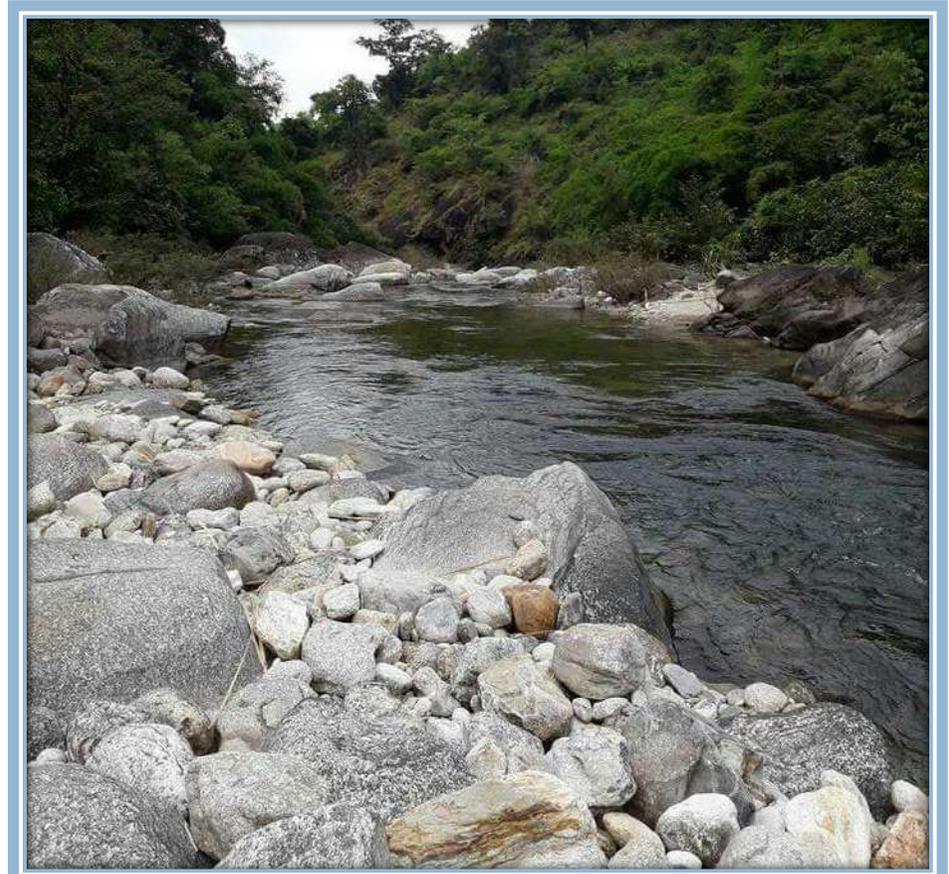
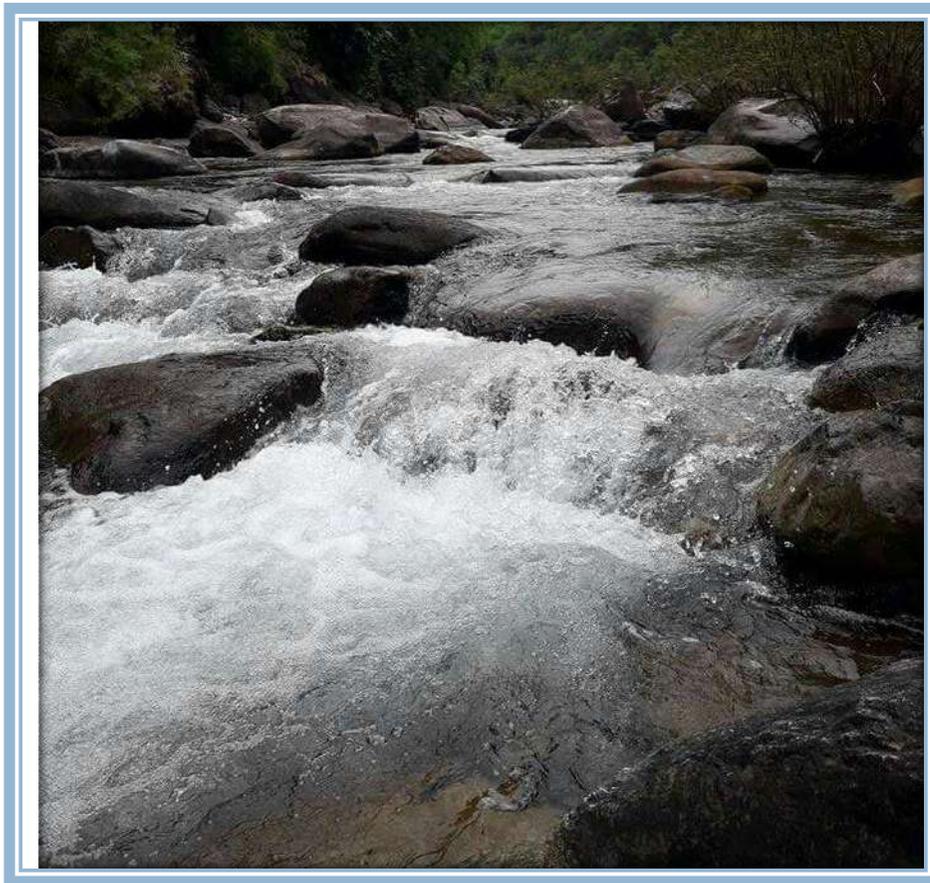
Htiwakalue Waterfall in Htiwakalue village ,Kyaedoi town , Kyainseikgyi



KwayKyay Waterfall in KwayKyay Village , PaingKyon Town , HlainBwe Tsp

High- 12ft

Widh- 8ft



0.4kV;Project Photos completed by Fiscal Year 2016-2017

State Budget



Project Photos completed by Fiscal Year 2016-2017

State Budget





Thank You Very Much