APPENDIX 5.7

Outline Design for Ancillary Civil Structures

Appndix 5.7.1Outline Design for Ancillary Civil Structures

Design Item	Same as YM-D/D(1)	Structures and Methods for YM PhaseII	Remark
CVL1.Level Crossing			
1.1 Code, Standards and References	Yes	AREMA 2014 and other relevant ones	
1.2 Number and Type of Level Crossing	Yes	Number and type will be decided tentatively based on the site	
1.3 Level Crossing Structures	Yes	See Sketch-1.	To be finalized
1.4 Level Crossing Protection Device Foundation	Yes	See Photo-1	at D/D stage
1.5 Approach Road to Level Crossing	Yes	almost level 10m before and after a level crossing	
1.6 Drainage	Yes	Surface and Subsurface Drainage	
1.7 Traffic control of the Level Crossing during Construction	Yes	referring to a Japanese example (Road Construction Ordinance)	To be studied
	163		at D/D stage
CVL2.Trespass Prevention Fence		Follow MR's Design	MR's Scope
		Basically no reconstruction for Masonry arches and	
CVL3.Drainage Structures across the Track	Yes	reconstruction for Rail Openings, but need site survey and	To ensure
		detailed checking at D/D stage	actual
		The main kilometrage posts are to be every 1km, the middle-	locations at
CVL4. Distance Posts	Yes	kilometrage posts every 500m and the sub-kilometrage posts	D/D stage.
		every 100m.	

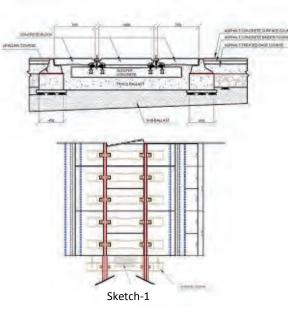




Photo-1

APPENDIX 5.9

Existing station Building Conditions

	Station N	lo.	39	Line Name	Yangon – Ma	andalay Line	Date of	f Survy	5/7/2017
	Station Na	ame			KYEE	DAW	<u>I</u>		
	Kilop	ost		276.5	Mile	age	171.75		.75
	Access	Road	Ye	s No	Age of E	Building		Over 5	0 years
	Story of	Building	(1) Story Building		Total Floor Area			About	109 m ²
	Type of Mair (Chec		_	ick with RC ▪Wood :her()	Finish	Roof		• Roof • F	Steel sheet Tiles C ibre Cement
	Other Column		Wall Brick Wood		Material	Wall		ЮР	aint
	Other Structure	Column	Bric	k) Wood		Column		ЮP	aint
	Beam		Wood <	RC Steel		Floor	Oc.	•Wood	
	Electric system (Check O)		·So	et from outside lar System Generator	Water Supply (Check O)		Wate	er Well (•Wate •No	rwork
			Main Dama	age Type & Rank*			Main D	amage	Type & Rank*
uilding		Condition of Main Structure		Crack (10 mm) •Settlement •Inclination	Condition of Finish Material		D OWater Leak OPeel Off (Root Ceiling, Wall, Colu		el Off (Roof,
Existing Station Building	General E	General Evaluation		∙Usual Ƴoor ∙Severe	Remarks		No toile	et.	and freight. nd 1 generator
Existin	Photo	graph		B.77 2.25 Mandalay	-12.26	Jiai	angon		

	Station N	lo.	40	Line Name	Yangon - Ma	andalay Line	Date of	f Survy	17/5/2017
	Station Na	ame		1	KYUN	GON	1		
	Kilop	ost		282.5	Mile	age	175.5		5.5
	Access	Road	Ye	No No	Age of E	Building		Over 10	00 years
	Story of	Building	(1) Story Building		Total Floor Area			About	120 m ²
	Type of Mair (Chec		⊖Brick with RC •Wood •Other()		Finish	Roof	•Corrugated Steel sh •Roof Tiles ORC •Asbestos Fibre Cen		Tiles RC
		Wall	Brid	Wood	Material	Wall		ЮР	aint
	Other Structure	Column	Brid	k Wood		Column		ЮР	aint
		Beam	Wood	RC Steel		Floor	Conci	rete wit	h Brick ▪Wood
	Electric system (Check O)		·So	ct from outside blar System Generator	Water Supply (Check O)		•Wate	er Well (∙Wate ⊙No	rwork
				age Type & Rank*			Main D	amage	Type & Rank*
uilding	Condit Main Str		D	OCrack (5 mm) •Settlement •Inclination	Condition of Finish Material		D	ÓPe	/ater Leak el Off (Roof, g, Wall, Colum)
Existing Station Building	General E	General Evaluation		∙Usual ⊙Poor ∙Severe		arks	No toile	et and t	and freight. ube well. nd 1 generator
Existin	Photo	graph		to the second se		Hall	igon		

	Station N	lo.	41	Line Name	Yangon – Ma	indalay Line	Date of Survy	17/5/2017
	Station Na	ime			KAYTU	IMADI		
	Kilop	ost		290.5	Mile	age	18	0.5
	Access	Road	Ye	s No	Age of E	Building		
	Story of	Building	()S	Story Building	Total Floor Area		About	m²
	Type of Mair (Chec		•Brick with RC •Wood •Other()		Finish	Roof	• Roof • F	Steel sheet Tiles RC ïbre Cement
		Wall	Bric	k Wood	Material	Wall	• P	aint
	Other Structure	Column	Bric	k Wood		Column	۰P	aint
		Beam	Wood	RC Steel		Floor	• Con	crete
	Electric (Chec		۰So	et from outside lar System Generator	Water Supply (Check O)) erwork one
			Main Dama	age Type & Rank*			Main Damage	Type & Rank*
Building		Condition of Main Structure		•Crack(mm) •Settlement •Inclination	Condition of Finish Material		•Water Leak •Peel Off (Roof, Ceiling, Wall, Colum	
g Station Bu	General E	General Evaluation		∙Usual ∙Poor ∙Severe		arks	Dismantle	d in 1994.
Existing Station Building	Photograph		ir) D;Heavy	(Repair and Reinfo	rcement) F; F	atal (Recons	Truction)	

	Station N	lo.	42	Line Name	Yangon - Ma	andalay Line	Date of	f Survy	5/7/2017
	Station Na	ime		I	YEDA	SHE	<u> </u>		
	Kilop	ost		295	Mile	age	183.25		9.25
	Access	Road	Ye	s) No	Age of Building			Over 10	0 years
	Story of	Building	(2) Story Building		Total Flo	or Area		About	147 m ²
	Type of Mair (Chec		(ick with RC Wood ther()	Finish	Roof		• Roof • F	
	Other Wall		Bric	k Wood	Material	Wall		• Pa	aint
	Other Structure	Column	Bric	Brick Wood C		Column		• Pa	aint
		Beam	Wood	RC Steel		Floor	_	oncrete	⊙Wood
	Electric (Chec		·So	ct from outside Iar System Generator	Water S (Chec	•Wate	er Well (•Wate •No	rwork	
			Main Dam	age Type & Rank*			Main D	amage	Type & Rank*
uilding		Condition of Main Structure		•Crack(mm) •Settlement •Inclination	Condition of Finish Material		D OWater Leak OPeel Off (Roof Ceiling, Wall, Colur		el Off (Roof,
Existing Station Building	General Evaluation			∙Usual OPoor ∙Severe		arks	and no tube we	freight.N ell.1 cab	engers/day No toilet and le rm, 1 nd 1 store rm.
Existin	Photo	graph		Mandalay		-6.33	207 -		

	Station N	lo.	43	Line Name	Yangon - Ma	andalay Line	Date of	f Survy	18/5/2017
	Station Na	ame			KON	GYI	•		
	Kilop	ost		301.5	Mile	age	187.25		.25
	Access	Road	Ye	s No	Age of Building			Over 10	0 years
	Story of	Building	(1) Story Building		Total Flo	or Area		About	120 m ²
	Type of Mair (Chec			ick with RC ▪Wood ther()	Finish	Roof		• Roof • F	
	Wall Other		Bric	k Wood	Material	Wall		ЮP	aint
	Other Structure	Column	Bric	k Wood		Column		ЮP	aint
	Beam		Wood 🤇	RC Steel		Floor		oncrete	•Wood
	Electric system (Check O)		\$₀	ct from outside lar System Generator	Water S (Chec		•Wate	er Well (•Wate ONo	rwork
				age Type & Rank*	Condition of Finish Material		Main D	amage	Type & Rank*
ilding	Condition of Main Structure		F	Crack (10mm) •Settlement •Inclination			D OWater Leak OPeel Off (Roof Ceiling, Wall, Colu		el Off (Roof,
Existing Station Building	General Evaluation		(∙Usual ∙Poor ⊙Severe		arks	and 1 g well for	enerato staff.Tr	1 cable room r room.Tube rain: Upline ine 1stop/day.
Existin	Photo	graph		Handalay	-7.00	Hall	Yangon		

	Station N	lo.	44	Line Name	Yangon – Ma	andalay Line	Date of	Survy	16/5/2017
	Station Na	ame		<u> </u>	SW	/A			
	Kilop	ost		308.5	Mile	age	191.5		1.5
	Access	Road	Ye	s No	Age of E	Building	0	Over 10	0 years
	Story of	Building	(1) Story Building		Total Floor Area			About	190 m ²
	Type of Mair (Chec		•Brick with RC OWood •Other()		Finish	Roof	Corrugated Steel sl •Roof Tiles •RC •Asbestos Fibre Cer		Tiles C
	Wall		Brick Wood		Material	Wall		• Pa	aint
	Other Structure	Column	Bric	k Wood		Column	• Paint		aint
	Beam		Wood	RC Steel		Floor	⊙C∘	ncrete	•Wood
	Electric (Chec	-	•So	ct from outside lar System Generator	Water S (Chec		•Wate	r Well (•Wate ONc	rwork
			Main Dama	age Type & Rank*			Main Da	amage ⁻	Type & Rank*
uilding	Condition of Main Structure		D	•Crack (mm) •Settlement •Inclination •Break column	Condition of Finish Material		в	•Pee	ater Leak el Off (Roof, , Wall, Colum)
Existing Station Building	General Evaluation			∙Usual OPoor ∙Severe		arks	No toile	t room.	
Existin	Photo	graph		angon		Fail			7

	Station N	lo.	45	Line Name	Yangon – Ma	indalay Line	Date of	⁻ Survy	16/5/2017
	Station Na	ime		<u>I</u>	THAR	GAYA			
	Kilop	ost		314.5	Mile	age	195.25		i.25
	Access	Road	Ye	s No	Age of E	Building		Over 10	0 years
	Story of	Building	(1)	Story Building	Total Floor Area			About	108 m ²
	Type of Mair (Chec		(ick with RC ❶Wood ther()	Finish	Roof		• Roof • F	
		Wall	Bric	k Wood	Material	Wall		• P	aint
	Other Structure	Column	Bric	k Wood		Column		• P	aint
		Beam	Wood	RC Steel		Floor	Oco	oncrete	•Wood
	Electric system (Check O)		·So	ct from outside Iar System Generator		Water Supply (Check O)		er Well (•Wate •No	rwork
				age Type & Rank*	<		Main D	amage	Type & Rank*
guibliu	Condit Main Str		В	•Crack (mm) •Settlement •Inclination	Condition of Finish Material		•Water Leak •Peel Off (Roof Ceiling, Wall, Colur		el Off (Roof,
Existing Station Building	General Evaluation			OUsual ∙Poor ∙Severe		arks	No toile	t room.	
Existin	Photo	graph		9:00 4:00 +		Hail	Mandalay		

	Station N	lo.	46	Line Name	Yangon - Ma	indalay Line	Date of	⁻ Survy	5/7/2017
	Station Na	ame		L	THARYA	ARGON			
	Kilop	ost		318.5	Mile	age	197)7
	Access	Road	Ye	s No	Age of Building			Over 10	0 years
	Story of	Building	(1)5	Story Building	Total Flo	or Area		About	19 m ²
	Type of Mair (Chec			ick with RC Wood ther()	Finish	Roof		• Roof • F	Steel sheet Tiles C ibre Cement
	Wall		Bric	k Wood	Material	Wall		• P	aint
	Other Structure	Column	Bric	k Wood		Column		• P	aint
	Beam		Wood	RC Steel		Floor	۰Co	oncrete	•Wood
	Electric (Chec		۰So	ct from outside lar System Generator	Water Supply (Check O)		•Water Well (•Waterwork ()None		rwork
			Main Dama	age Type & Rank*			Main D	amage	Type & Rank*
uilding		Condition of Main Structure		•Crack (mm) •Settlement •Inclination	Condition of Finish Material		с	•Pe	/ater Leak el Off (Roof, ;, Wall, Colum)
Existing Station Building	General Evaluation		OUsual ∙Poor ∙Severe		Rema	arks			
Existin	Photo	graph			Hall andelay	Yangon			

	Station N	lo.	47	Line Name	Yangon - Ma	andalay Line	Date of	[:] Survy	16/5/2017
	Station Na	ime			MYO				
	Kilop	ost		324	Mileage		201.25		.25
	Access	Road	Ye	No No	Age of Building			Over 10)0 years
	Story of	Building	(2)	Story Building	Total Flo	or Area		About	150 m ²
	Type of Mair (Chec		⊖Brick with RC •Wood •Other()		Finish	Roof		• Roof • F	l Steel sheet F Tiles RC ïibre Cement
		Wall	Bric	Wood	Material	Wall		ЮP	aint
	Other Structure	Column	Brid	Wood		Column		ЮP	aint
		Beam	Wood	RC Steel		000	oncrete	•Wood	
	Electric system (Check O)		·So	ct from outside Iar System Generator	Water Supply (Check O)		•Wate	er Well (•Wate ONo	erwork
liding				age Type & Rank*			Main D	amage	Type & Rank*
	Condit Main Str		D	•Crack(mm) •Settlement •Inclination	Condition of Finish Material		D	⊙Pe	/ater Leak el Off (Roof, g, Wall, Colum)
Station Bui	General Evaluation			∙Usual OPoor ∙Severe		arks	No toile	t room((Only staff).
Existing Station Building	Photo	graph			Angent	tial	Mandalay		

	Station N	lo.	48	Line Name	Yangon - Ma	andalay Line	Date of	⁵ Survy	16/5/2017
	Station Na	ime			YE	NI	L		
	Kilop	ost		332.5	Mile	age		20	6.5
	Access	Road	(Y	es No	Age of I	Building	Over 100 years		00 years
	Story of	Building	(1) Story Building		Total Flo	or Area		About	120 m ²
	Type of Mair (Chec			rick with RC ĴWood)ther()	Finish	Roof	•Corrugated Steel sh ORoof Tiles •RC •Asbestos Fibre Cem		Tiles RC
		Wall	Bri	ck Wood	Material	Wall		• P	aint
	Other Structure	Column	Bri	ck Wood]	Column		۰P	aint
		Beam	Wood	RC Steel		Floor	OConcrete •Wood		
		Electric system (Check O)		oct from outside olar System Generator	Water S (Chec			rwork	
			Main Dan	nage Type & Rank*	•		Main D	amage	Type & Rank*
uilding	Condit Main Str		F	OCrack (30mm) • Settlement • Inclination	Condition of Finish Material		с	•Pe	/ater Leak el Off (Roof, ç, Wall, Colum)
g Station Bui	General E	General Evaluation		∙Usual ∙Poor Severe	Rem	arks	No toile	t room.	
Existing Station Building	Photo			V (Repair and Reinfo		Hatt	- Yangon		

	Station N	lo.	49	Line Name	Yangon – Ma	andalay Line	Date of	Survy	5/7/2017
	Station Na	ime			TAW	UTI			
	Kilop	ost		338	Mile	age	210		0
	Access	Road	Ye	s) No	Age of E	Building	Over 100 years		0 years
	Story of	Building	(1) Story Building		Total Floor Area			About	126 m ²
	Type of Mair (Chec		•Brick with RC OWood •Other()		Finish	Roof		⊙Roof ∙F	
		Wall	Bric	k Wood	Material	Wall		• Pa	aint
	Other Structure	Column	Bric	k Wood		Column		• P	aint
	Beam		Wood	RC Steel		Floor	⊙Co	ncrete	•Wood
	Electric system (Check O)		•So	et from outside lar System Generator	Water S (Chec			rwork	
			Main Dama	age Type & Rank*			Main Da	amage	Type & Rank*
ilding	Condit Main Str		F (Crack (10mm) Settlement Inclination	Condition of Finish Material		с	⊙Pe	'ater Leak el Off (Roof, ;, Wall, Colum)
Existing Station Building	General E	valuation	0	∙Usual ∙Poor ⊙Severe		arks		passer	ngers/day and cometime).
Existin	Photo	graph		4.55 8.55 Vangon	- 4 30 0 Office H	all	Mandalay		

	Station N	lo.	50	Line Name	Yangon – Ma	andalay Line	Date of Survy	16/5/2017	
	Station Na	ame			HTEI	VINN			
	Kilop	ost		344.5	Mile	age	2	14	
	Access	Road	Ye	s No	Age of E	Building			
	Story of	Building	()	Story Building	Total Flo	or Area	About	m ²	
	Type of Mair (Chec			ick with RC •Wood ther()	Finish	Roof	• Root • F	Steel sheet Tiles RC ïbre Cement	
		Wall	Bric	k Wood	Material	Wall	• Paint		
	Other Structure Beam		Bric	k Wood		Column	۰P	aint	
		Beam	Wood	RC Steel		Floor	•Concrete	•Wood	
	Electric (Chec		۰So	ct from outside lar System Generator	Water S (Chec) erwork one	
			Main Dama	age Type & Rank*			Main Damage Type & Rar		
iilding	Condit Main Str		•Crack(mm) •Settlement •Inclination		Condition of Finish Material		•Water Leak •Peel Off (Root Ceiling, Wall, Colu		
Existing Station Building	General E	valuation		∙Usual ∙Poor •Severe	Rema	arks	Disma	intled.	
Existing	Photo			(Benair and Beinfo					

	Station N	lo.	51	Line Name	Yangon - Ma	indalay Line	Date of	f Survy	5/7/2017
	Station Na	ame		I	EL	A			
	Kilop	ost		349	Mile	age		216	j.75
	Access	Road	Ye	s No	Age of E	Building		Over 10	00 years
	Story of	Building	(1)	Story Building	Total Floor Area			About	96 m ²
	Type of Mair (Chec		(ick with RC ➔Wood ther()	Finish	Roof	•Corrugated Steel sheet •Roof Tiles •RC •Asbestos Fibre Cemen		Tiles RC
		Wall	Bric	k Wood	Material	Wall		⊙Paint	
	Other Structure	Column	Bric	k Wood		Column		ЮР	aint
		Beam	Wood RC Steel			Floor	Oc.	oncrete	•Wood
		Electric system (Check O) ·Generator				Supply k O)	⊙Wa ⁺	•Wate	(Mortar) erwork one
			Main Dam	age Type & Rank*			Main D	amage	Type & Rank*
ilding	Condit Main Str		D •Settlement •Inclination		Condition of Finish Material		D OWater Leak OPeel Off (Roo Ceiling, Wall, Colu		el Off (Roof,
Existing Station Building	General E	valuation		∙Usual Poor ∙Severe	Rema	arks	and a lit	70 passe ttle frei	engers/day ght(sometime). generator
Existin	Photo	graph		a 78 1 277 Mandalay		Hall	rangon		

	Station N	lo	52	Line Name	Yangon - Ma	andalay Line	Date of	Survy	16/5/2017
			52					Gui vy	10/ 3/ 2017
	Station Na	ame			PYAY	WUN			
	Kilop	ost		353.5	Mile	age		219	.17
	Access	Road		No No	Age of E	Building	(Over 10	0 years
	Story of	Building	(1)	Story Building	Total Flo	or Area		About	120 m ²
	Type of Mair (Chec		-	rick with RC •Wood ther()	- Finish	Roof	Ocorrugated Steel sheel •Roof Tiles •RC •Asbestos Fibre Cemer		Tiles C
		Wall	Brid	Wood	Material	Wall		ЮPа	aint
	Other Structure	Column	Brid	wood		Column		ЮPа	aint
		Beam	Wood 🤇	RC Steel	Floor			oncrete	•Wood
	Electric (Chec		·So	ct from outside blar System Generator	Water S (Chec		O Wate	r Well (Wate• No•	rwork
			Main Dam	age Type & Rank*			Main D	amage	Type & Rank*
ilding	Condit Main Str		F	OCrack (10mm) OSettlement Inclination	Condition of Finish Material		D OWater Leak OPeel Off (Roof Ceiling, Wall, Colur		el Off (Roof,
Existing Station Building	General E	valuation	(∙Usual ∙Poor Severe	Rema	arks	No toile	t room.	
Existin	Photo	graph		Yan		Hall	lay		

	Station N	lo.	53	Line Name	Yangon - Ma	andalay Line	Date of	Survy	16/5/2017
	Station Na	ime			PYINM	IANA	L		
	Kilop	ost		362	Mile	age		22	25
	Access	Road	Ye	s No	Age of E	Building	Over 100 y		0 years
	Story of	Building	(1)5	Story Building	Total Floor Area			About	450 m ²
	Type of Mair (Chec		_	ick with RC •Wood ther(RC)	Finish	Roof	 Ocorrugated Steel shee ∙Roof Tiles ∙RC •Asbestos Fibre Cemer 		Tiles RC
		Wall	Bric	k) Wood	Material	Wall	⊙Paint		aint
	Other Structure	Column	Brick	Wood RC		Column		ЮP	aint
		Beam	Wood 🤇	RC Steel		Floor	OConcrete •Wood		
	Electric (Chec		·So	et from outside lar System Generator	Water S (Chec		OWate	r Well (•Wate •No	rwork
			Main Damage Type & Rank*			Main Da	amage	Type & Rank*	
ilding	Condit Main Str		D •Settlement •Inclination		Condition of Finish Material		D	ЮРе	/ater Leak el Off (Roof, ;, Wall, Colum)
Existing Station Building	General E	valuation		∙Usual Ƴoor •Severe	Rema	arks	Front of	station	n plaza.
	Photo			(Repair and Reinfo					

	Station N	lo.	54	Line Name	Yangon – Ma	indalay Line	Date of	f Survy	5/7/2017	
	Station Na	ime			YWAI	DAW	•			
	Kilop	ost		370	Mile	age		23	30	
	Access	Road	Ye	s No	Age of E	Building		Over 10	00 years	
	Story of	Building	(1)5	Story Building	Total Flo	or Area		About 78 m ²		
	Type of Mair (Chec	n Structure k O)		ick with RC Wood Dther()	Finish	Roof		•Roof •R		
		Wall	Bric	k) Wood	Material	Wall		ЮРа	aint	
	Other Structure Column Beam		Brick	Wood RC		Column		ЮРа	aint	
		Beam	Wood	RC Steel		Floor		oncrete		
	Electric (Chec		•So	ct from outside Iar System Generator	Water S (Chec		⊙W∂	ter Well Wate No		
			Main Dama	age Type & Rank*			Main D	amage [·]	Type & Rank*	
ilding	Condit Main Str		C OCrack (6mm) OSettlement Inclination		Condition of Finish Material		в	•Pe	/ater Leak el Off (Roof, g, Wall, Colum)	
Existing Station Building	General E	valuation		⊖Jsual ∙Poor •Severe	Rema	arks	2times	freight/	ngers/day and month. cable room.	
Existin	Photo	graph		Anda Manda		Hall Yangon				

	Station N	lo.	55	Line Name	Yangon - Ma	indalay Line	Date of	Survy	16/5/2017
	Station Na	ime			NAYPY	ΊΤΑW	L		
	Kilop	ost		375	Mile	age		23	32
	Access	Road	Ye	s) No	Age of E	Building		Over 8	years
	Story of	Building	(2)5	Story Building	Total Flo	or Area	A	About 2	2500 m ²
	Type of Mair (Chec		_	ick with RC ▪Wood ther(RC)	Finish	Roof		•Roof •F	Steel sheet Tiles C ibre Cement
		Wall	Bric	k Wood	Material	Wall		ЮP	aint
	Other Structure	Column	Brick	Wood RC		Column		ЮP	aint
		Beam	Wood 🤇	RC Steel		Floor	Oconcrete with stone tile		
	Electric (Chec		·So	et from outside lar System Generator	Water S (Chec		•Water		rwork
			Main Dama	age Type & Rank*			Main Da	amage	Type & Rank*
ilding	Condition of Main Structure		В	•Crack (mm) •Settlement •Inclination	Condition of Finish Material		•Water Leak OPeel Off (Roof, Ceiling, Wall, Colum		
Existing Station Building	General E	valuation		⊖Jsual ∙Poor •Severe	Rema	arks	2times fi	reight/	ngers/day and month. eable room.
Existing	Photo			(Repair and Reinfo	and cost 2 cost				

	Station N	lo.	56	Line Na	ame	Yangon - Ma	ndalay Line	Date of	⁻ Survy	5	/7/2017
	Station Na	ime				KYIDAUI	NGKAN				
	Kilop	ost		378.5		Milea	age		235-	-1/4	ļ
	Access	Road	Ye	No No		Age of E	Building		Over 10	0 ye	ears
	Story of	Building	(1)	Story Buildir	ng	Total Flo	or Area	About 120 m ²			m ²
	Type of Mair (Chec			rick with RC Wood Other()		Finish	Roof		•Roof •R	Tile C	eel sheet es Cement
		Wall	Brid	Wood		Material	Wall		ΟPa	aint	
	Other Structure	Column	Brick	Wood	RC		Column	⊙Paint			
		Beam	Wood	RC	Steel		Floor	() () ()	oncrete		•Wood
	Electric (Chec		۰Sc	ct from outs blar System Generator		Water S (Checl		₩a	ter Well Wate Nc	rwo	
			Main Dam	•Generator Main Damage Type & Rank*				Main D	amage -	Тур	e & Rank*
ilding	Condit Main Str		D Orack (6mm) D OSettlement •Inclination		Condition of Finish Material		с	•Pee	el O	r Leak ff (Roof, all, Colum)	
Existing Station Building	General E	valuation		∙Usual ∳oor ∙Severe			arks	About 1 and fre No toile 1 cable	ight(sor t.	neti	
Existin	Photo	graph		a to	andalay	13.72 - 4.34 6.2 Office He		Yangon			

	Station N	lo.	57	Line Nar	me	Yangon – Ma	ndalay Line	Date of	⁻ Survy	5,	/7/2017
	Station Na	ime				РҮОК	KWE				
	Kilop	ost		387		Milea	age		240-	-1/2	
	Access	Road	Ye	s No	>	Age of E	Building	Over 100 years		ars	
	Story of	Building	(1)5	Story Building	g	Total Floor Area			About	96 r	n ²
	Type of Mair (Chec		(ick with RC •Wood Other()		Finish	Roof	•Corrugated Steel she ©Roof Tiles •RC •Asbestos Fibre Ceme		S	
		Wall	Bric	K Wood		Material	Wall		⊙Pa	aint	
	Other Structure	Column	Brick	Wood	RC		Column		ΟPa	aint	
	Beam Electric system		Wood	RC S	Steel			oncrete		•Wood	
	Electric (Chec		•So	ct from outsi Iar System Generator	ide	Water S (Chec		•Wate	er Well (•Water ONo	rwor) rk
			Main Dama	age Type & F	Rank*			Main D	amage	Туре	e & Rank*
ilding	Condit Main Str		F Orack (10mm) F Osettlement Onclination 5°		Condition of Finish Material		D OWater Leak OPeel Off (Root Ceiling, Wall, Colu		ff (Roof,		
Existing Station Building	General E	valuation	∙Usual ∙Poor ⊙Severe		Rema	arks	About 4 and no No toile 1 cable	freight. et.			
Existin	Photo	graph			Mandalay		Hall	ngon			

	Station N	lo.	58	Line N	lame	Yangon - Ma	indalay Line	Date of	[:] Survy	15/5/2017
	Station Na	ame				SINBYU	-			
	Kilop	ost		392		Mile	age		243-	-1/2
	Access	Road	Ye	s No		Age of E	Building		Over 10	00 years
	Story of	Building	(1)5	Story Build	ing	Total Flo	or Area		About	120 m ²
	Type of Mair (Chec		-	ick with RC •Wood Other()	C	Finish	Roof		• Roof • F	
		Wall	Bric	Noo	d	Material	Wall	⊙Paint		aint
	Other Structure	Column	Brick	Wood	RC		Column	⊙Paint		
	Electric system (Check O)		Wood 🤇	RC	Steel		<u>O</u> co	oncrete	•Wood	
		(Check O) •Generator					Supply k O)	•Wate	er Well (•Wate •No	erwork
			Main Damage Type & Rank*					Main D	amage	Type & Rank*
ilding	Condit Main Sti		F	∙Crack (10 •Settleme •Inclinatio	ent	Condition of Finish Material		D OVater Leak OPeel Off (Roo Ceiling, Wall, Colu		
Existing Station Building	General E	valuation	C	•Usual •Poor Remarks ⊙Severe Remarks						
Existin	Photo	graph			Yangon		E00	alay		

	Station N	lo.	59	Line I	Name	Yangon - Ma	indalay Line	Date of	f Survy	6	/7/2017
	Station Na	ime				SHWE					
	Kilop	ost		397		Mile	age		246-	-3/4	,
	Access	Road	Ye	es No)	Age of E	Building		Over 10	00 ye	ears
	Story of	Building	(1)	Story Build	ding	Total Floor Area			About	97 ı	m ²
	Type of Mair (Checl		(rick with R Wood Other()	С	Finish	Roof		•Roof •R	[:] Til∈ RC	eel sheet es Cement
		Wall	Brid	ck Woo		Material	Wall		OРа	aint	
	Other Structure	Column	Brick	Wood	RC		Column	⊙ Paint			
	Beam		Wood	RC	Steel		Floor	_	oncrete		•Wood
	Electric (Checl		۰Sc	ct from ou blar Syste Generator		Water S (Chec		⊙Wa	iter Well •Wate •Nc	rwo	
			Main Dam	age Type &	& Rank*			Main D	amage	Тур	e & Rank*
ilding	Conditi Main Str		D Crack (10mm) D Settlement Onclination 3°		Condition of Finish Material		C OWater Leak • Peel Off (Roo Ceiling, Wall, Colu		ff (Roof,		
Existing Station Building	General E	valuation	∙Usual ⊙Poor ∙Severe			Rema	arks	No toile 80passe freight. ⁻ rm and	engers/ 1 cable i	day rm,1	and no generator
Existin	Photo	graph			973 440 + 210 + 210 + 440 + 210 + 210 + 440 + 210 + 440 + 210 + 440 + 210 + 440 + 210 + 44 + 4 - 4 - 4 - 4 - 4 - 4 -	- 2.34 - 2.14 - 10.92 - 2.34 - 2.14 - 1 Office 3 9 9 9 9 9 9 9 9 9 9 9 9 9	Hall	Mandalay			

	Station N	lo.	60	Line Name	Yangon - Ma	indalay Line	Date of	Survy	15/5/2017
	Station Na	ime			SINT	ΉE			
	Kilop	ost		404	Mile	age		25	51
	Access	Road	Ye	s No	Age of E	Building	(Over 10	0 years
	Story of	Building	(1)	Story Building	Total Floor Area			About	150 m ²
	Type of Mair (Chec		(ick with RC Wood Dther()	Finish	Roof		• Roof • F	
		Wall	Bric	k Wood	Material	Wall	⊙Paint		aint
	Other Structure	Column	Brick	Wood RC		Column		ЮP	aint
		Beam	Wood	RC Steel		Floor	⊙Co	oncrete	•Wood
	Electric (Chec		•So	ct from outside lar System Generator	Water S (Chec		⊙Wate	r Well (•Wate •No	rwork
			Main Dam	age Type & Rank*			Main D	amage	Type & Rank*
lding	Condit Main Str		В	•Crack (mm) •Settlement •Inclination	Condition of Finish Material		В	•Pe	′ater Leak el Off (Roof, ;, Wall, Colum)
Existing Station Building	General E	valuation		OJsual ∙Poor ∙Severe		arks	No toile	t.	
	Photo			(Benair and Beinfo		Haji	Yangon		

	Station N	lo.	61	Line Name	Yangon - Ma	andalay Line	Date of	f Survy	6/7/2017
	Station Na	ame		L	TAT	KON	<u> </u>		
	Kilop	oost		407.5	Mile	age		253 ⁻	-1/2
	Access	Road	Ye	s No	Age of E	Building		Over 10)0 years
	Story of	Building	(1)5	Story Building	Total Floor Area			About	169 m ²
	Type of Mair (Chec			ick with RC Wood Dther()	- Finish	Roof		• Root • F	l Steel sheet f Tiles RC ïbre Cement
		Wall	Bric	K Wood	Material	Wall		aint	
	Other Structure	Column	Brick	Wood RC		Column		ЮР	aint
		Beam	Wood	RC Steel		Floor	000	oncrete	•Wood
	Electric (Chec		·So	ct from outside lar System Generator	Water S (Chec		⊙Wa	•Wate	(Mortar) erwork one
			Main Dama	age Type & Rank*			Main D	amage	Type & Rank*
ilding	Condit Main Str		C ·Settlement ·Inclination		Condition Mate		в	•Pe	/ater Leak el Off (Roof, g, Wall, Colum)
Existing Station Building	General Evaluation			OJsual ∙Poor •Severe	Rema	arks	and 4to	350pass n∕day f	engers/day Treight. 1generator
Existir	Photo	graph		Andalay		Hall		Yangon	

	Station N	lo.	62	Line Name	Yangon - Ma	andalay Line	Date of	Survy	15/5/2017
	Station Na				MAG				
	Kilop	ost		414	Mile	age		257-	-1/2
	Access	Road	Ye	es No	Age of I	Building	(Over 10	0 years
	Story of	Building	(1)	Story Building	Total Flo	Total Floor Area		About	120 m ²
	Type of Main Structure (Check O)		⊖Brick with RC •Wood •Other()		– Finish	Roof	Ocorrugated Ste		Tiles RC
		Wall	Brid	Wood	Material	Wall		ЮРа	aint
	Other Structure	Column	Brick	Wood RC]	Column	• Paint		aint
	Beam		Wood 🤇	RC Steel		Floor	-	oncrete	•Wood
	Electric (Chec		۰So	ct from outside Iar System Generator	Water S (Chec		⊙ Wate	r Well (•Wate •No	rwork
			Main Dam	age Type & Rank*			Main D	amage	Type & Rank*
ilding	Condit Main Str		D	•Crack (mm) •Settlement •Inclination	Condition Mate		C OWater Le. •Peel Off (R Ceiling, Wall, Co		el Off (Roof,
Existing Station Building	General Evaluation			∙Usual Ƴoor ∙Severe	Rem	arks	No toile	t.	
Existin	Photo	graph		and alay		Hall	angor		

	Station N	lo.	63	Line Name		Yangon - Ma	ndalay Line	Date of	Survy	15/5/2017
	Station Na	ame				NYAUN	GLUN			
	Kilop	ost		420.5		Mile	age		261-	-1/2
	Access	Road	Ye	No No		Age of E	Building	Over 100 years		10 years
	Story of	Building	(1):	Story Building		Total Floor Area			About	120 m ²
	Type of Main Structure (Check O)		⊖Brick with RC •Wood •Other()		Finish	Roof		•Roof •R		
		Wall	Bric	Brick Wood		Material	Wall		OРа	aint
	Other Structure	Column	Brick	Wood RC)		Column		ЮРа	aint
		Beam	Wood 🤇	RC Ste	el		Floor	⊙C∘	ncrete	•Wood
	Electric (Chec		·So	ct from outside Iar System Generator		Water S (Chec		Water Well (•Waterwork •None		rwork
			Main Dam	age Type & Ran	ık*			Main Da	amage	Type & Rank*
ilding	Condit Main Str		F	OCrack (50mm ∙Settlement ∙Inclination	n)		Material C ·Pe Ceiling		•Pe	/ater Leak el Off (Roof, , Wall, Colum)
Existing Station Building	General Evaluation		(∙Usual ∙Poor Severe		Rema	arks	No toile	t.	
Existin	Photo	graph				400-+	TO Hall			

	Station N	lo.	64	Line Name	Yangon - Ma	andalay Line	Date of	[:] Survy	15/5/2017
	Station Na	ime		I	HNGET	THAIK			
	Kilop	ost		431	Mile	age		26	68
	Access	Road	Ye	s) No	Age of E	Building		Over 10	0 years
	Story of	Building	(1)	Story Building	Total Flo	or Area		About	120 m ²
	Type of Main Structure (Check O)		•Brick with RC OWood •Other()		Finish	Roof		• Roof • F	
		Wall	Bric	k Wood	Material	Wall		OР	aint
	Other Structure	Column	Brick	Wood RC		Column		ЮP	aint
		Beam	Wood	RC Steel		Floor		oncrete	•Wood
	Electric (Chec		•So	ct from outside Iar System Generator	Water S (Chec		•Water Well (•Waterwork ONone		rwork
			Main Dama	age Type & Rank*			Main D	amage	Type & Rank*
ilding	Condit Main Str		В	•Crack (mm) •Settlement •Inclination	Condition Mate		В	•Pe	′ater Leak el Off (Roof, ;, Wall, Colum)
Existing Station Building	General Evaluation			⊖Jsual ∙Poor •Severe	Rema	arks	No toile	t.	
Existin				1	8.00	4.00	1		
Ш				10,00 400 2,00 Mandalay	Hali	Office	Yangon		
	Photo			(Benair and Beinfo				-	

	Station N	lo.	65	Line Name	Yangon - Ma	andalay Line	Date of	Survy	15/5/2017
	Station Na	ame			I ING	ON			
	Kilop	ost		435.5	Mile	age		270-	-3/4
	Access	Road	Ye	s No	Age of E	Building	(Over 10	00 years
	Story of	Building	(1) Story Building		Total Floor Area			About	120 m ²
	Type of Main Structure (Check O)		⊖Brick with RC •Wood •Other()		Finish	Roof		• Roof • F	Steel sheet Tiles C ibre Cement
		Wall	Bric	K) Wood	Material	Wall		ЮP	aint
	Other Structure	Column	Brick	Wood RC		Column		ЮР	aint
		Beam	Wood C	RC Steel		Floor	<u> </u>	oncrete	
	Electric (Chec		⊡ s₀	ct from outside Iar System Generator	Water S (Chec		OWater Well (•Waterwork •None		erwork
			Main Dama	age Type & Rank*			Main Da	amage	Type & Rank*
ilding	Condit Main Str			Crack (10 mm) Settlement Inclination	Material D OPeel Ceiling, W		/ater Leak el Off (Roof, g, Wall, Colum)		
Existing Station Building	General Evaluation		C	∙Usual ∙Poor Severe	Rema	arks	No toile	t.	
Existin	Photo	graph		1000 1200 3.00 Yangon	Diffice	Hall	Mandalay		

	Ctation N	1-			Variation Ma		Data af		15 /5 /0017
	Station N	NO.	66	Line Name	Yangon - Ma	andalay Line	Date of	Survy	15/5/2017
	Station Na	ame			YAME	THIN			
	Kilop	oost		441.5	Mile	age		274-	-1/2
	Access	Road	Ye	No No	Age of I	Building	Over 100 years		00 years
	Story of	Building	(2) Story Building		Total Flo	or Area		About	280 m ²
	Type of Mair (Chec		•Brick with RC •Wood Other(RC)		Finish	Roof		• Roof • F	Steel sheet Tiles C ibre Cement
		Wall	Bric	K Wood	Material	Wall		ЮР	aint
	Other Structure	Column	Brick	Wood RC		Column		OР	aint
		Beam	Wood C	RC Steel		Floor	000	oncrete	•Wood
	Electric (Chec		·So	ct from outside Iar System Generator	Water S (Chec		⊙Vater	•Wate	reaking Pump) rwork one
			Main Dam	age Type & Rank*			Main D	amage	Type & Rank*
uilding	Condit Main Str		С	•Crack (mm) •Settlement •Inclination	Condition Mate		D OWater Li OPeel Off (F Ceiling, Wall, C		
Existing Station Building	General Evaluation			∙Usual Ƴoor ∙Severe	Rem	arks			
Existin	Photo		1000 - 450 - Mandala	Hall				Yange	3.00

	Station N	lo.	67	Line Name	Yangon – Ma	indalay Line	Date of	f Survy	6/7/2017
	Station Na	ime			INGYIN	NKAN			
	Kilop	ost		448	Mile	age		278-	-1/2
	Access	Road	Ye	s No	Age of E	Building		Over 10	0 years
	Story of Building		(1) Story Building		Total Flo	or Area		About	113 m ²
	Type of Main Structure (Check O)		⊕Brick with RC •Wood •Other()		Finish	Roof		•Roof •R	
		Wall Brick Wood Material Wall Column Brick Wood BC Column			• Paint				
	Other Structure	Column	Brick	Wood RC		Column	⊙Paint		aint
		Beam	Wood 🤇	RC Steel		Floor	000	oncrete	•Wood
	Electric (Chec		\$₀	ct from outside Iar System Generator	Water S (Chec		⊙Wa [.]	ter Well Wate Nc	
			Main Dama	age Type & Rank*	Condition of Finish Material		Main D	amage	Type & Rank*
ilding	Condit Main Str			∙Inclination			D) OPee	ater Leak el Off (Roof, , Wall, Colum)
Existing Station Building	General Evaluation		∙Usual ∙Poor ⊙Severe		Rema	arks		senger a	ind freight. 1 generator
Existin	Photo	graph		Yangon		BID	Mandalay	*	

	Station N	lo.	68	Line Name	Yangon – Ma	indalay Line	Date of	⁻ Survy	18/5/2017
	Station Na	ame			SHWI	EDA			
	Kilop	ost		454	Mile	age		282-	-1/2
	Access	Road	Ye	s No	Age of E	Building		Over 10	00 years
	Story of	Building	(1) Story Building		Total Flo	or Area		About	120 m ²
	Type of Main Structure (Check O)		⊖Brick with RC •Wood •Other()		Finish	Roof	Corrugated Steel s Roof Tiles RC Asbestos Fibre Ce		f Tiles RC
		Wall	Bric	k Wood	Material	Wall		ЮР	aint
	Other Structure	Column	Brick	Wood RC		Column		ЮР	aint
		Beam	Wood 🤇	RC Steel		Floor	000	oncrete	•Wood
	Electric (Chec		·So	et from outside lar System Generator	Water S (Chec		⊙Wa	•Wate	l(Pump) erwork one
			Main Dama	age Type & Rank*	Condition of Finish Material		Main D	amage	Type & Rank*
iilding	Condit Main Str			Orack (15mm) Settlement Inclination			⊙ e	/ater Leak el Off (Roof, g, Wall, Colum)	
Existing Station Building	General Evaluation		0	∙Usual ∙Poor Severe	Rema	arks			
Existin	Photo	graph		Yangon		Fall	Mandalay_		

	Station N	lo.	69	Line Name	Yangon - Ma	indalay Line	Date of	[:] Survy	18/5/2017
	Station Na	ame			PYAW	BWE			
	Kilop	ost		462.5	Mile	age		287-	-1/2
	Access	Road	Ye	s No	Age of E	Building		Over 10	00 years
	Story of	Building	(1) Story Building		Total Floor Area			About	200 m ²
	Type of Main Structure (Check O)		•Brick with RC •Wood Other(RC)		Finish	Roof	•Corrugated Steel st •Roof Tiles •RC •Asbestos Fibre Cen		Tiles RC
		Wall	Bric	k Wood	Material	Wall		ЮP	aint
	Other Structure	Column	Brick	Wood RC		Column		ЮP	aint
		Beam	Wood 🤇	RC Steel		Floor		oncrete	
	Electric (Chec		• So	ct from outside Iar System Generator	Water S (Chec		O Wate	er Well (•Wate •No	rwork
			Main Dama	age Type & Rank*			Main D	amage	Type & Rank*
ilding	Condit Main Str		С	Ocrack (5 mm) •Settlement •Inclination	Condition of Finish Material		с	•Pe	/ater Leak el Off (Roof, ç, Wall, Colum)
Existing Station Building	General Evaluation			⊖Jsual ∙Poor •Severe	Rema	arks	Public t	oilet pa	y 100MMK.
Existin	Photo	graph		Mandalay	- 4.00		4.00 - 1.50 Meeting room	Yangon	

	Station N	lo.	70	Line Name	Yangon – Ma	indalay Line	Date of	f Survy	6/7/2017
	Station Na	ime			SHAN	YWA	1		
	Kilop	ost		471	Mile	age		292-	-3/4
	Access	Road	Ye	No No	Age of Building		Over 100 years		00 years
	Story of Building		(1) Story Building		Total Flo	or Area		About	118 m ²
	Type of Main Structure (Check O)		⊖Brick with RC •Wood •Other(RC)		Finish	Roof		• Roof • F	Steel sheet Tiles RC ïbre Cement
		Wall	Brid	K Wood	Finish Material Wall			ЮP	aint
	Other Structure	Column	Brick	Wood RC		Column		ЮP	aint
		Beam	Wood 🤇	RC Steel		Floor		oncrete	•Wood
	Electric (Chec		\$₀	ct from outside Iar System Generator	Water S (Chec		⊙Wa	•Wate	(Mortar) erwork one
			Main Dam	age Type & Rank*			Main D	amage	Type & Rank*
ilding	Condit Main Str		F	∙Crack (5 mm) •Settlement •Inclination	Condition of Finish Material		C OVater Leak		el Off (Roof,
Existing Station Building	General Evaluation		(∙Usual ∙Poor Severe	Rema	arks	no freig	5passe ;ht.	ngers/day and 1 generator
Existin	Photo	graph		¥angon	-122 6.60 -	e s.ee Heit	Mandalay		

	Station N	lo.	71	Line Name	Yangon – Ma	indalay Line	Date of	f Survy	6/7/2017
	Station Na	ame			NYAUN	GYAN	•		
	Kilop	ost		481	Mile	age		299-	-1/4
	Access	Road	Ye	s) No	Age of E	Building	Over 100 years)0 years
	Story of	Building	(1)5	Story Building	Total Flo	or Area		About	.98 m ²
	Type of Main Structure (Check O)		•Brick with RC OWood •Other(RC)		Finish	Roof	•Corrugated Steel sh ORoof Tiles •RC •Asbestos Fibre Cen		f Tiles RC
		Wall	Bric	k Wood	Material	Wall	⊙Paint		aint
	Other Structure	Column	Brick	Wood RC		Column		ЮP	aint
		Beam	Wood	RC Steel		Floor	Oc.	oncrete	•Wood
	Electric (Chec		•So	ct from outside Iar System Generator	Water S (Chec		⊙Wa		l(Pump) erwork one
			Main Dama	age Type & Rank*			Main D	amage	Type & Rank*
iilding	Condit Main Str		D	€rack (5 mm) •Settlement Inclination 2°	Condition Mate		D	OPe	/ater Leak el Off (Roof, g, Wall, Colum)
Existing Station Building	General Evaluation			∙Usual Ƴoor •Severe	Rema	arks	200viss)0passe ∕day fre	ngers/day and eight. 1 generator
Existin	Photo	graph		Vangon			dalay		

	Station N	1 0.	72	Line Name	Yangon – Ma	andalay Line	Date of	f Survy	6/7/2017
	Station Na	ame			NWA	TΟ	·		
	Kilop	oost		486	Mile	age		302-	-1/4
	Access	Road	Ye	s No	Age of E	Building		Over 10 About Corrugated •Roo •Roo •Roo •F Asbestos F OP OP OConcrete Vater Well •Wate	00 years
	Story of	Building	(1)5	Story Building	Total Flo	or Area		About	118 m ²
	Type of Mair (Chec		-	ick with RC •Wood ther()	Finish	Roof		• Roof • F	l Steel sheet f Tiles RC ïibre Cement
		Wall	Bric	K) Wood	Material	Wall		ЮP	aint
	Other Structure	Column	Brick	Wood RC		Column		ЮP	aint
		Beam	Wood 🤇	RC Steel		Floor		oncrete	•Wood
	Electric (Chec		۰So	et from outside lar System Generator	Water S (Chec		• Wate		erwork
			Main Dama	age Type & Rank*			Main D	amage	Type & Rank*
ilding	Condit Main Str		F	Orack (7mm) •Settlement •Inclination	Condition Mate		F	OPe	/ater Leak el Off (Roof, g, Wall, Colum)
Existing Station Building	General E	valuation	(•Usual •Poor Severe	Rema	arks	no freig 1 toilet,	sht. , 1 cable	ngers/day and e rm and 1
Existin	Photo	graph		yangon		Hell	Mandalay		

	Station N	lo.	73	Line Name	Yangon – Ma	andalay Line	Date of Survy 19/5/2017 306 Over 100 years About 1350m ² Corrugated Steel sheet Oref Tiles •RC •Asbestos Fibre Cement OPaint OPaint OPaint OPaint OPaint OVer Well (•Waterwork •None Main Damage Type & Rank OVater Leak •Peel Off (Roof, Ceiling, Wall, Colum		
	Station Na	ime			THA	\ZI	L		
	Kilop	ost		492.5	Mile	age		306	
	Access	Road	Ye	s No	Age of E	Building	Ove	er 100 years	
	Story of	Building	(2)5	Story Building	Total Flo	or Area	Ab	out 1350m ²	
	Type of Mair (Chec		_	ick with RC ▪Wood (Steel Frame)	Finish	Roof	Corruge Asbesto Asbesto Concr Main Dama C	Roof Tiles ∙RC	
		Wall	Bric	➢ Wood	Material	Wall	(∙Paint	
	Other Structure	Column	Brick	Wood RC		Column		⊙Paint	
		Beam	Wood	RC Steel		Floor	OConc	rete •Wood	
	Electric (Chec		·So	et from outside lar System Generator	Water S (Chec			Naterwork	
			Main Dama	age Type & Rank*			Main Dam	age Type & Rank*	
iilding	Condit Main Str		F	Crack (10mm) •Settlement •Inclination	Condition Mate		C		
Existing Station Building	General E	valuation	C	∙Usual ∙Poor Severe	Rema	arks			
Existing	Photo			(Repair and Reinfo					

	Station N	lo.	74	Line Name	Yangon - Ma	andalay Line	Date of	⁻ Survy	6/7/2017
	Station Na	ame			YWAF	PALE	•	I	
	Kilop	ost		499.5	Mile	age		310-	-1/2
	Access	Road	Ye	s) No	Age of E	Age of Building		Over 10 About Corrugated •Roor •F sbestos F OP OP Concrete ater Well (•Wate ON •Pe Ceiling tt 2passer eight. bilet. bilet. bilet.	0 years
	Story of	Building	(1)	Story Building	Total Flo	or Area		About	111 m ²
	Type of Mair (Chec	n Structure k O)		ick with RC ▪Wood Dther()	Finish	Roof		OPa OConcrete •Water Well (•Water ONo Main Damage B •W •Pee Ceiling	[™] Tiles RC
		Wall	Bric	➢ Wood	Material	Wall	⊙Paint		aint
	Other Structure	Column	Brick	Wood RC		Column		ЮРа	aint
		Beam	Wood	RC Steel		Floor	() () ()	oncrete	•Wood
	Electric (Chec		\$₀	ct from outside Iar System Generator	Water S (Chec		• Wate	•Wate	rwork
			Main Dama	age Type & Rank*			Main D	amage	Type & Rank*
ilding	Condit Main Str		С	Orack (6mm) •Settlement •Inclination	Condition Mate		в	•Pe	/ater Leak el Off (Roof, g, Wall, Colum)
Existing Station Building	General E	valuation		OJsual ∙Poor •Severe	Rema	arks	About 2 no freig No toile 1 cable	ht. t.	gers/day and
Existin	Photo	graph		Vargon		Hall	Mandalay		

	Station N	lo.	75	Line Name	Yangon - Ma	ndalay Line	Date of	Survy	6/7/2017
	Station Na	ame			HAN	ZA			
	Kilop	ost		507.5	Mile	age		315-	-1/2
	Access	Road	Ye	s) No	Age of E	Building	0	D Ova Ceiling, pout 30passer ittle freight.N cable rm,1 ger d 2shop rm.	0 years
	Story of	Building	(1)5	Story Building	Total Flo	or Area		About	230 m ²
	Type of Mair (Chec			ick with RC ▪Wood Dther()	Finish	Roof		• Roof • F	Tiles RC
		Wall	Bric	K Wood	Material	Wall		ЮP	aint
	Other Structure	Column	Brick	Wood RC		Column		ЮP	aint
		Beam	Wood 🤇	RC Steel		Floor	⊙C₀	ncrete	•Wood
	Electric (Chec	-	·So	ct from outside Iar System Generator	Water S (Chec		•Wate	•Wate	rwork
			Main Dama	age Type & Rank*			Main Da	amage	Type & Rank*
iilding	Condit Main Str		F	Orack (6mm) •Settlement •Inclination	Condition Mate		D	Юре	/ater Leak el Off (Roof, ;, Wall, Colum)
Existing Station Building	General E	valuation	C	∙Usual ∙Poor Severe	Rema	arks	a little fi 1 cable	reight.N rm,1 ge	
Existin	Photo	graph	873 	A Statement of the stat	23.54				ndalay

	Station N	lo.	76	Line Name	Yangon - Ma	indalay Line	Date of	f Survy	6/7/2017
	Station Na	ame			DAHA	ΓTAW	1		
	Kilop	ost		512	Mile	age		318-	-1/4
	Access	Road	Ye	s No	Age of E	Building		Over 10	00 years
	Story of	Building	(1)5	Story Building	Total Flo	or Area		About	. 1 2 m ²
	Type of Mair (Chec	n Structure k O)	-	ick with RC ▪Wood Dther()	Finish	Roof		• Roof OF	l Steel sheet f Tiles RC ïibre Cement
		Wall	Bric	k) Wood	Material	Wall		ЮP	aint
	Other Structure	Column	Brick	Wood RC		Column		ЮP	aint
		Beam	Wood 🤇	RC Steel		Floor	⊙Co	oncrete	•Wood
	Electric (Chec		۰So	et from outside lar System Generator	Water S (Chec		•Wate	er Well (•Wate ONo	erwork
			Main Dama	age Type & Rank*			Main D	amage	Type & Rank*
uilding	Condit Main Str		В	•Crack (mm) •Settlement •Inclination	Condition Mate		В	•Pe	Vater Leak el Off (Roof, g, Wall, Colum)
Existing Station Building	General E	valuation		Usual ∙Poor ∙Severe	Rema	arks		-	
Existin	Photo	graph		-	Yangon	1 Mandalay			

	Station N	lo.	77	Line Name	Yangon – Ma	andalay Line	Date of	Survy	19/5/2017
	Station Na	ame		I	THEC	DAW			
	Kilop	ost		517	Mile	age		322-	-1/4
	Access	Road	Ye	No No	Age of E	Building	c	Over 10	00 years
	Story of	Building	(1)	Story Building	Total Flo	or Area		About	126 m ²
	Type of Mair (Chec		(ick with RC ➔Wood Other()	Finish	Roof		• Roof • F	
		Wall	Brid	Wood	Material	Wall		ЮP	aint
	Other Structure	Column	Brick	Wood RC		Column		ЮP	aint
		Beam	Wood	RC Steel		Floor	00°	ncrete	•Wood
	Electric (Chec		·So	ct from outside Iar System Generator	Water S (Chec		O Water	r Well (•Wate •No	rwork
			Main Dam	age Type & Rank*			Main Da	amage	Type & Rank*
ilding	Condit Main Str		В	•Crack(mm) •Settlement •Inclination	Condition Mate		в	•Pe	/ater Leak el Off (Roof, g, Wall, Colum)
Existing Station Building	General E	valuation		⊖Jsual ∙Poor •Severe	Rema	arks	Public to	oilet.	
Existin	Photo	graph		Yangon			1 2:00 1 2:50 1 2:50 1 2:50 1 2:50 1 2:50 1 2:50 1 2:50 1 2:50 1 2:50 1 2:50 1 2:50 1 2:50 1 1 1 1 1 2:50 1 2:50 1 2:50 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 <td< td=""><td></td><td></td></td<>		

	Station N	lo.	78	Line Name		Yangon – Ma	ndalay Line	Date of	f Survy	7	/7/2017
	Station Na	ime				KHINI					
	Kilop	ost		523.5		Mile	age		325-	-3/4	
	Access	Road	Ye	s No		Age of E	Building	Over 50 yea		ars	
	Story of	Building	(1)5	Story Building		Total Flo	or Area		About	118	m ²
	Type of Mair (Chec		_	∙Wood ∙Uher()		Finish	Roof	•Corrugated Steel s •Roof Tiles •RC •Sbestos Fibre Ce		es	
		Wall	Bric	k) Wood		Material	Wall	Sbestos Fibre Co OPaint			
	Other Structure	Column	Brick	Wood RC			Column		ЮP	aint	
		Beam	Wood <	RC Stee	el -		Floor	<u>O</u> c.	oncrete		•Wood
	Electric (Chec		•So	et from outside lar System Generator		Water S (Chec		•Wate	er Well (•Wate •No	erwoi) rk
			Main Dama	age Type & Rank	< *			Main D	amage	Туре	e & Rank*
ilding	Condit Main Str		F (Orack (10mm) Settlement Inclination)	Condition Mate		D	OPe	el O	r Leak ff (Roof, all, Colum)
Existing Station Building	General E	valuation	0	•Usual •Poor Severe		Rema	arks	About 1 5–10bo No toile No cabl	xes∕day et.		rs/day and ight.
Existin	Photo	graph		Vanger			Hall	Mandalay	-		

	Station N	lo.	79	Line Name	Yangon – Ma	andalay Line	Date of	f Survy	7/7/2017
	Station Na	ame			SAM	ION	•		
	Kilop	ost		530	Mile	age		32	29
	Access	Road	Ye	s No	Age of E	Building		Over 10	00 years
	Story of	Building	(1)5	Story Building	Total Flo	or Area		About	118 m ²
	Type of Mair (Chec			ick with RC ▪Wood Dther()	Finish	Roof		• Roof • R	Steel sheet Tiles C ïbre Cement
		Wall	Bric	K) Wood	Material	Wall		ЮРа	aint
	Other Structure	Column	Brick	Wood RC		Column		ЮPа	aint
		Beam	Wood 🤇	RC Steel		Floor	\odot	oncrete	•Wood
	Electric (Chec		·So	et from outside lar System Generator	Water S (Chec		⊙Wa		(Mortar) erwork one
			Main Dama	age Type & Rank*			Main D	amage	Type & Rank*
ilding	Condit Main Str		F	€rack (6mm) •Settlement •Inclination	Condition Mate		с	·Pe	/ater Leak el Off (Roof, g, Wall, Colum)
Existing Station Building	General E	valuation	0	•Usual •Poor Severe	Rema	arks	400viss No toile	s/day fre et.	ngers/day and eight. 1 generator
Existin	Photo	graph		Yangon	13-10 0.54	E64	Mandalay		

	Station N	lo.	80	Line Na	ame	Yangon - Ma	ndalay Line	Date of	[:] Survy	7	/7/2017
	Station Na	ame		I		ОДОК	KON	<u>. </u>			
	Kilop	ost		534.5		Milea	age		332-	-1/2	2
	Access	Road	Ye	s No	>	Age of E	Building		B ·Peel)0 y	ears
	Story of	Building	(1)	Story Buildin	ıg	Total Flo	or Area		About	25	m ²
	Type of Mair (Chec		(ick with RC • Wood Other()		Finish	Roof		• Roof • F	[:] Tile RC	es
		Wall	Bric	Wood		Material	Wall		ЮP	aint	
	Other Structure	Column	Brick	Wood	RC		Column		• Pa	aint	
		Beam	Wood	RC	Steel		Floor	000	oncrete		•Wood
	Electric (Chec		۰So	ct from outs Iar System Generator		Water S (Checl		•Wate	•Wate	rwo) rk
			Main Dama	age Type &	Rank*			Main D	amage	Тур	e & Rank*
iilding	Condit Main Str		В	• Crack (• Settlemen • Inclination		Condition Mate		в	•Pe	el O	r Leak ff (Roof, all, Colum)
Existing Station Building	General E	valuation		Jsual ∙Poor ∙Severe		Rema	arks				
Existin	Photo	graph			3	2 11al					

	Station N	lo.	81	Line Name	Yangon – Ma	indalay Line	Date of	f Survy	7/7/2017
	Station Na	ime		L	THABYE	TAUNG			
	Kilop	ost		541	Mile	age	336-		-1/4
	Access	Road	Ye	s No	Age of E	Building		Over 10	00 years
	Story of	Building	(1)	Story Building	Total Flo	or Area		About	115 m ²
	Type of Mair (Chec			ick with RC ▪Wood Dther()	Finish	Roof		• Roof • F	
		Wall	Bric	k Wood	Material	Wall		ЮP	aint
	Other Structure	Column	Brick	Wood RC		Column		ЮP	aint
		Beam	Wood 🤇	RC Steel		Floor	() () ()	oncrete	•Wood
	Electric (Chec		\$₀	ct from outside Iar System Generator	Water S (Chec		⊙Wa		(Tube) rwork one
			Main Dam	age Type & Rank*			Main D	amage	Type & Rank*
ilding	Condit Main Str		В	•Crack(mm) •Settlement •Inclination	Condition Mate		с	·Pe	/ater Leak el Off (Roof, , Wall, Colum)
Existing Station Building	General E	valuation		OJsual ∙Poor •Severe	Rema	arks	no freig	;ht. rm,1 ca	ngers/day and ble rm and 1
Existin	Photo	graph		¥angon		6.31 Hall	Mandalay		

	Station N	lo.	82	Line Name	Yangon – Ma	indalay Line	Date of	Survy	19/5/2017
	Station Na	ame			KUME	LAN		I	
	Kilop	oost		549.5	Mile	age		341-	-1/2
	Access	Road	Ye	s No	Age of E	Building	C)ver 10	00 years
	Story of	Building	(1)8	Story Building	Total Flo	or Area			230 m ²
	Type of Mair (Chec			ick with RC ▪Wood Dther()	Finish	Roof		•Roof •F	Steel sheet Tiles RC ïbre Cement
		Wall	Bric	K Wood	Material	Wall		ЮРа	aint
	Other Structure	Column	Brick	Wood RC		Column		ЮP	aint
		Beam	Wood C	RC Steel		Floor		ncrete	•Wood
	Electric (Chec		·So	ct from outside Iar System Generator	Water S (Chec		•Water	r Well (∙Wate ⊙No	erwork
			Main Dama	age Type & Rank*			Main Da	amage	Type & Rank*
ilding	Condit Main Str		F	Ocrack (15mm) •Settlement •Inclination	Condition Mate		с	•Pe	/ater Leak el Off (Roof, g, Wall, Colum)
Existing Station Building	General E	valuation	(∙Usual ∙Poor Severe	Rema	arks	No toilet		
Existin	Photo	graph		Vangon	21 E0 6.00 1		5.50	4.00 4.00 4.00 Mandelay	Y

	Station N	lo.	83	Line N	Name	Yangon – Ma	ndalay Line	Date of	⁻ Survy	19/5/2017	
	Station Na	ame				MYITT	HAR		347 Over 100 years About 108 m² Orrugated Steel sheet •Roof Tiles •Roof Tiles •RC •Asbestos Fibre Cement OPaint Oorcrete •Wood Over Well (Pump) •Water U (Pump) •Water Leak •Peel Off (Roof, Ceiling, Wall, Colur Io toilet.		
	Kilop	ost		558.5		Mile	age	AR e 347 ilding Over 100 years Area About 108 m ² Area About 108 m ² Corrugated Steel sheat ·Roof Tiles ·RC ·Asbestos Fibre Ceme Wall OPaint Column OPaint Floor Oconcrete ·Wood oWater Well (Pump ·Waterwork ·None Main Damage Type & Ra ·RC ·Asbestos Fibre Ceme Waterwork ·None	47		
	Access	Road	Ye	No)	Age of E	Building		Over 10	00 years	
	Story of	Building	(1)	Story Build	ling	Total Flo	or Area	About 108 m ²		108 m ²	
	Type of Mair (Chec		(ick with R Wood Other()	С	Finish	Roof		• Roof • F	Tiles RC	
		Wall	Brid	K Woo	d	Material	Wall			aint	
	Other Structure	Column	Brick	Wood	RC		Column		ЮP	aint	
		Beam	Wood	RC	Steel		Floor	000	oncrete	•Wood	
	Electric (Chec		·So	ct from out Iar Syster Generator		Water S (Chec		⊙Wa	•Wate	rwork	
			Main Dam	age Type &	& Rank*			Main D	amage	Type & Rank*	
ilding	Condit Main Str		D	OCrack (• Settleme • Inclinatio	ent	Condition Mate		в	•Pe	el Off (Roof,	
Existing Station Building	General E	valuation		∙Usual OPoor ∙Severe		Rema	arks	No toile	ı.		
Existin	Photo	graph			Mandalay						

	Station N	lo.	84	Line Name	е	Yangon – Ma	ndalay Line	Date of	⁻ Survy	7	/7/2017
	Station Na	ame		<u> </u>		MIN	ZU				
	Kilop	ost		567		Milea	age		352-	-1/2	
	Access	Road	Ye	s) No		Age of Building		Over 100 years		ears	
	Story of	Building	(1) Story Building		Total Flo	or Area		About	97 r	m ²	
	Type of Mair (Chec		⊖Brick with RC •Wood •Other()		Finish	Roof		• Roof • F	f Tile RC	eel sheet es Cement	
		Wall	Brick Wood		Material	Wall		ЮP	aint		
	Other Structure	Column	Brick	Wood R	С		Column		ЮP	aint	
	Beam Wood RC Steel				eel		Floor		oncrete		•Wood
	Electric system (Check O)		·So	ct from outside lar System Generator	Э	Water S (Checl			er Well (∋Wate •No) rk
			Main Damage Type & Rank*				Main Damage Type & Rank			e & Rank*	
ilding	Condition of Main Structure		F	Orack (5 mr •Settlement •Inclination	n)	Condition of Finish Material		F Ovater Leak OPeel Off (Roof, Ceiling, Wall, Colum			ff (Roof,
Existing Station Building	General Evaluation		∙Usual ∙Poor ⊙Severe		Rema	arks	a little f	Opasse freight s	some	rs/day and etime. enerator	
Existin	Photo	graph			001 570 2,17 Mandala	239 + 200 +	6.33	Yangon			

	Station N	lo.	85	Line Name	Yangon - Ma	andalay Line	Date of	[:] Survy	7/7/	2017
	Station Na	ame			KYAU	IKSE				
	Kilop	oost		578	Mile	age		359-	-1/4	
	Access	Road	Ye	s) No	Age of E	Building		Over 10	0 years	S
	Story of	Building	(2)5	Story Building	Total Floor Area			About	174 m²	
	Type of Mair (Chec		•Brick with RC OWood •Other()		Finish	Roof	·Asbestos Fibre		Tiles C	
		Wall	Bric	k) Wood	Material	Wall		OР	aint	
	Other Structure	Column	Brick	Wood RC		Column		ЮP	aint	
		Beam	Wood	RC Steel		Floor	() ()	oncrete	-W	ood
	Electric system (Check O)		·So	et from outside lar System Generator	Water S (Chec			er Well (Wate No	rwork)
			Main Dama	age Type & Rank*			Main Damage Type & Ra		Rank*	
ilding	Condition of Main Structure		С	Orack (5mm) •Settlement •Inclination	Condition of Finish Material		•Water Leak •Peel Off (Roo Ceiling, Wall, Colu		Roof,	
Existing Station Building	General Evaluation		OJsual ∙Poor ∙Severe		Rema	arks	About 1 and 260 6 toilet generat	00viss∕o rm,1 ca	lay frei ble rm,	ght. 2
Existin	Photograph			Mandalay	-25.07	nce Hall	Guest Hou		iα gen	
				(Benair and Beinfo						

	Station N	lo.	86	Line Name	Yangon - Ma	andalay Line	Date of	f Survy	7/7/2017
	Station Na	ame		<u>.</u>	BEL	IN	•		
	Kilop	ost		585	Mile	age		363-	-1/2
	Access	Road	Ye	s) No	Age of Building		Over 100 years		10 years
	Story of	Building	(1) Story Building		Total Flo	Total Floor Area		About	118m ²
	Type of Mair (Chec		⊖Brick with RC •Wood •Other()		Finish	Roof	Ocorrugated Steel she		Tiles RC
		Wall	Bric	k Wood	Material	Wall		ЮP	aint
	Other Structure	Column	Brick	Wood RC		Column	⊙Paint		
		Beam Wood RC Steel Floor				Floor	<u>O</u> co	oncrete	•Wood
	Electric system (Check O)		•So	ct from outside lar System Generator	Water S (Chec		⊙Wa ⁺	•Wate	(Mortar) erwork one
			Main Dama	age Type & Rank*			Main D	amage	Type & Rank*
ilding	Condition of Main Structure		D	Orack (8mm) •Settlement •Inclination	Condition of Finish Material		•Water Leak •Peel Off (Roo Ceiling, Wall, Colu		el Off (Roof,
Existing Station Building	General Evaluation			∙Usual Ƴoor ∙Severe	Rema	arks	About 10passengers/day an stone & cement freight. 1 toilet rm,1 cable rm and 1 generator rm.		
Existin	Photo	graph		Andolay	Office	Hali	Yangon	-1	

	Station N	lo.	87	Line Name	Yangon – Ma	indalay Line	Date of	f Survy	7/7/2017
	Station Na	ime			SING	AING	1		
	Kilop	ost		594	Mile	age		36	39
	Access	Road	Ye	s No	Age of Building		Over 50 years		0 years
	Story of	Building	(1) Story Building		Total Flo	or Area		About	118 m ²
	Type of Mair (Chec		⊖Brick with RC •Wood •Other()		Finish	Roof	•Corrugated Steel s •Roof Tiles •RC •Sabestos Fibre Cel		Tiles RC
		Wall	Brid	k Wood	Material	Wall		ЮP	aint
	Other Structure	Column	Brick	Wood RC		Column	⊙Paint		aint
		Beam	Wood 🤇	RC Steel		Floor	000	oncrete	•Wood
lding	Electric (Chec		·So	ct from outside Iar System Generator	Water S (Chec		⊙Wa [.]	•Wate	(Mortar) erwork one
			Main Damage Type & Rank*				Main D	amage	Type & Rank*
	Condition of Main Structure		F	Ocrack (4 mm) •Settlement •Inclination	Condition of Finish Material		в	Ceiling, Wall, Col	
Existing Station Building	General Evaluation		(∙Usual ∙Poor Severe	Rema	arks	no freig	;ht. rm,1 ca	gers/day and ble rm and 1
Existin	Photo	graph		Mandalay		Hall	Yangon	÷	

	Station N	lo.	88	Line Name	Yangon - Ma	indalay Line	Date of	f Survy	7/7/2017
	Station Na	ame		<u>.</u>	PAL	EIK	·		
	Kilop	oost		602	Mile	age		374-	-1/4
	Access	Road	Ye	s No	Age of Building		Over 100 years)0 years
	Story of	Building	(1) Story Building		Total Flo	or Area		About	97 m ²
	Type of Maiı (Chec		•Brick with RC OWood •Other()		Finish	Roof		Corrugated Steel sh •Roof Tiles •RC •Asbestos Fibre Cem	
		Wall	Bric	K Wood	Material	Wall		ЮP	aint
	Other Structure	Column	Brick	Wood RC		Column	⊙Paint		
		Beam Wood RC Steel Floor				Floor	Oc.	oncrete	•Wood
	Electric (Chec		•So	ct from outside Iar System Generator	Water S (Chec		⊙Wa	•Wate	(Mortar) erwork one
			Main Dama	age Type & Rank*			Main D	amage	Type & Rank*
ilding	Condition of Main Structure		в	Crack (5mm) •Settlement •Inclination	Condition of Finish Material		•Water Leak •Peel Off (Roo Ceiling, Wall, Colu		el Off (Roof,
Existing Station Building	General Evaluation		OJsual ∙Poor ∙Severe		Rema	arks	200viss	∕day fre	ngers/day and eight. 1 cable rm.
Existin	Photo	graph		Vangon	442	Hell	dalay		

	Station N	lo.	89	Line N	lame	Yangon - Ma	indalay Line	Date of	Survy	7/7/	2017
	Station Na	ime				MYITI	NGE				
	Kilop	ost		607		Mile	age		377-	-3/4	
	Access	Road	Ye	No		Age of E	Building		Over 5	0 years	
	Story of	Building	(1) Story Building		Total Flo	or Area		About	126 m ²		
	Type of Mair (Chec		•Brick with RC OWood •Other()		Finish	Roof	Corrugated Steel sh •Roof Tiles •RC •Asbestos Fibre Cem				
		Wall	Bric	K Woo	d	Material	Wall		ЮP	aint	
	Other Structure	Column	Brick	Wood	RC		Column	⊙Paint			
		Beam	Wood	RC	Steel		Floor		oncrete		
	Electric (Chec		S₀	ct from out Iar Syster Generator		Water S (Chec			ter Well OWate No		ar)
			Main Dam	age Type 8	& Rank*	Condition of Finish Material		Main D	amage	Type &	Rank*
ilding	Condit Main Str		в	•Crack (5 • Settleme • Inclinatio	ent			В	Ceiling, Wall, Colu		Roof,
Existing Station Building	General Evaluation		OUsual ∙Poor ∙Severe		Rema	arks	About 2 200viss 1 toilet	∕day fre	eight.		
Existin	Photo	graph			10.12 5.21 10.12 5.21 2.27 Mandalay	-12.88	476	Yangon			

	Station N	lo.	90	Line Name	Yangon – Ma	andalay Line	Date of	f Survy	7/7/2017
	Station Na	ame			TAGUN	DAING	<u>I</u>		
	Kilop	oost		611.5	Mile	age		380-	-1/2
	Access	Road	Ye	s No	Age of E	Building		Over 10	00 years
	Story of	Building	(1) Story Building		Total Flo	or Area		About	117 m ²
	Type of Mair (Chec		⊖Brick with RC •Wood •Other()		Finish	Roof	Corrugated Steel sl •Roof Tiles •RC •Asbestos Fibre Cen		f Tiles RC
		Wall	Bric	K Wood	Material	Wall		ЮР	aint
	Other Structure	Column	Brick	Wood RC		Column	⊙Paint		aint
		Beam	Wood 🤇	RC Steel		Floor	Oco	oncrete	•Wood
	Electric system (Check O)		·So	et from outside lar System Generator	Water S (Chec		⊙Wa	•Wate	l(Tube) erwork one
lding			Main Dama	age Type & Rank*	Condition of Finish Material		Main D	amage	Type & Rank*
	Condit Main Str		F	Crack (10mm) •Settlement •Inclination			с	•Pe	Vater Leak el Off (Roof, g, Wall, Colum)
g Station Bu	General Evaluation		C	∙Usual ∙Poor ⊙Severe		arks	12viss/	day frei	ngers/day and ight. nd 1 cable rm.
Existing Station Building	Photo	graph		Andalay		E63	Yangon		

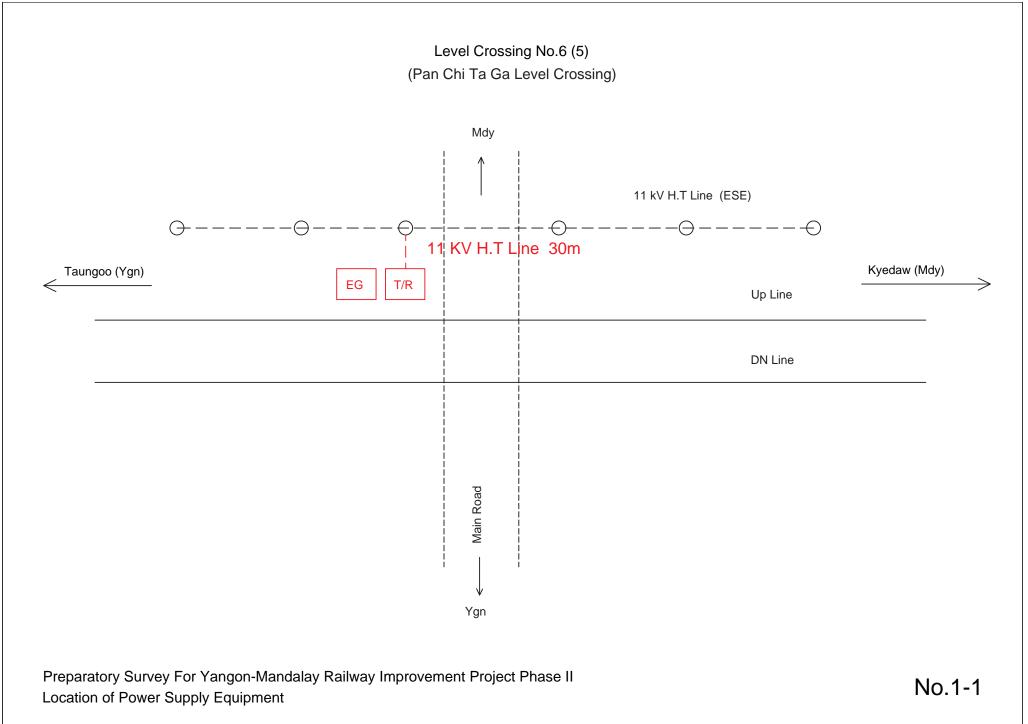
	Station N	lo.	91	Line Name	Yangon - Ma	andalay Line	Date of	f Survy	22/5/2017
	Station Na	ime		L	мүон	AUNG			
	Kilop	ost		616	Mile	age		382-	-3/4
	Access	Road	Ye	No No	Age of E	Building		Over 10	0 years
	Story of	Building	(1) Story Building		Total Flo	or Area		About	120 m ²
	Type of Mair (Chec	n Structure k O)	•Brick with RC OWood •Other()		Finish	Roof	Corrugated Steel she ∙Roof Tiles •RC •Asbestos Fibre Ceme		Tiles C
		Wall	Bric	Wood	Material	Wall		ЮР	aint
	Other Structure	Column	Brick	Wood RC		Column		ЮP	aint
		Beam	Wood	RC Steel		Floor	Oc.	oncrete	•Wood
ding	Electric (Chec		·So	ct from outside Iar System Generator	Water S (Chec			ter Wel Wate No	
			Main Dam	age Type & Rank*			Main D	amage	Type & Rank*
	Condition of Main Structure		В	•Crack (mm) •Settlement •Inclination	Condition of Finish Material		•Water Leak •Peel Off (Roc Ceiling, Wall, Colu		el Off (Roof,
Existing Station Building	General Evaluation			OUsual ∙Poor ∙Severe		arks	Toilet f	or staff.	
Existin	Photo	graph		Yangen		0	Mandalay		

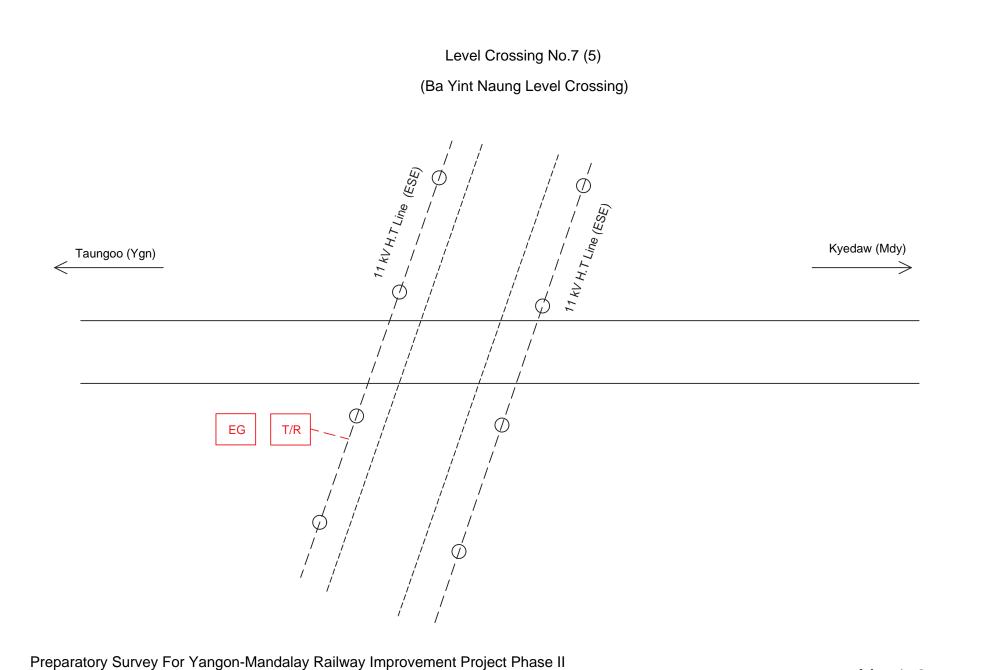
	Station N	lo.	92	Line Name	Yangon - Ma	andalay Line	Date of	⁵ Survy	7/7/2017
	Station Na	ame			SHAI	NZU	<u>I</u>		
	Kilop	oost		617.5	Mile	age	384		34
	Access	Road	Ye	s No	Age of E	Building		Over 5	0 years
	Story of	Building	(1)5	Story Building	Total Flo	or Area		About	136 m ²
	Type of Mair (Chec		⊖Brick with RC •Wood •Other()		Finish	Roof		rugated Steel sheet •Roof Tiles •RC estos Fibre Cement	
		Wall	Bric	k) Wood	Material	Wall		ЮР	aint
	Other Structure	Column	Brick	Wood RC		Column	⊙Paint		
		Beam	Wood	RC Steel		Floor		oncrete	•Wood
	Electric system (Check O)		·So	et from outside lar System Generator	Water S (Chec		•Wate	er Well (•Wate ONo	erwork
lding			Main Dama	age Type & Rank*	Condition of Finish Material		Main D	amage	Type & Rank*
	Condit Main Str		D	Crack (6mm) •Settlement •Inclination			C Water Leak •Peel Off (Roo Ceiling, Wall, Colu		el Off (Roof,
g Station Bu	General Evaluation		∙Usual OPoor ∙Severe		Rema	arks	No toile About 1		assengers/day.
Existing Station Building	Photo	graph		A37 A37 A37 A37 A37 A37 A37 A37		Heil	Mand	ialay	

	Station N	lo.	93	Line Name	Yangon - Ma	ndalay Line	Date of	f Survy	22/5/2017
	Station Na	ame			MAND	ALAY			
	Kilop	ost		620.5	Mile	age		385-	-1/2
	Access	Road	Ye	s No	Age of E	Building		Since	2001
	Story of	Building	(7) Story Building		Total Flo	or Area		About 1	5000 m ²
	Type of Mair (Chec		⊖Brick with RC •Wood •Other()		Finish	Roof		• Roof • F	Steel sheet Tiles RC ïbre Cement
		Wall	Bric	k Wood	Material	Wall		ЮР	aint
	Other Structure	Column	Brick	Wood RC		Column		ОP	aint
		Beam	Wood <	RC Steel		Floor	Oc	oncrete	•Wood
	Electric (Chec		•So	ct from outside lar System Generator	Water S (Chec		OW∂	•Wate	l(Pump) rwork one
			Main Dama	age Type & Rank*			Main D	amage	Type & Rank*
iilding	Condition of Main Structure		В	•Crack (mm) •Settlement •Inclination	Condition of Finish Material		с	•Pe	/ater Leak el Off (Roof, r, Wall, Colum)
Existing Station Building	General Evaluation			Usual ∙Poor •Severe	Rema	arks			
	Photo			(Benair and Beinfo					

APPENDIX 5.16.1

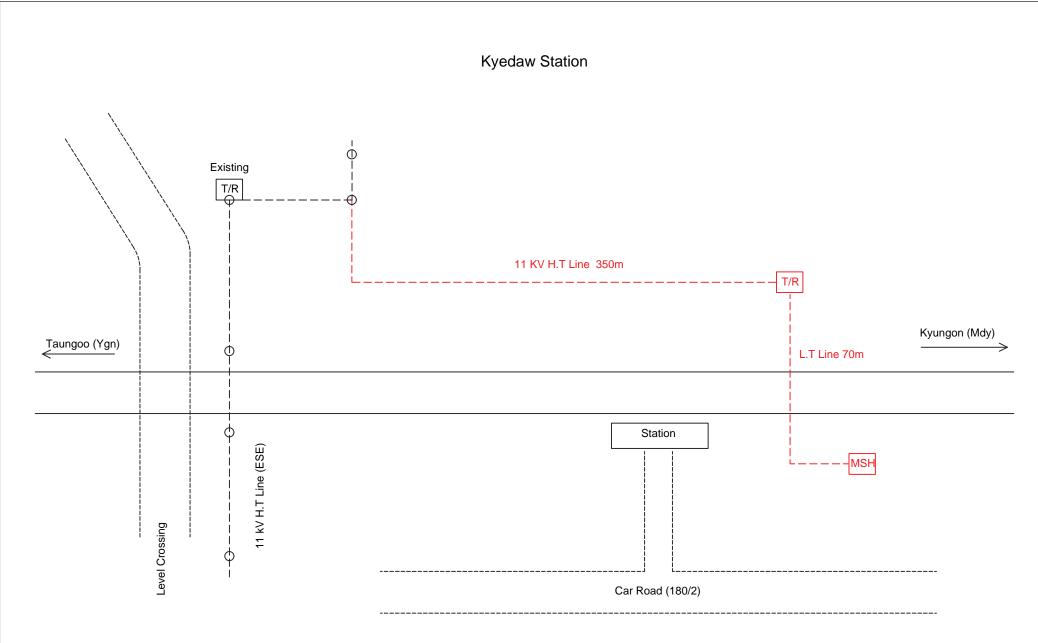
Location of Power Supply Equipment



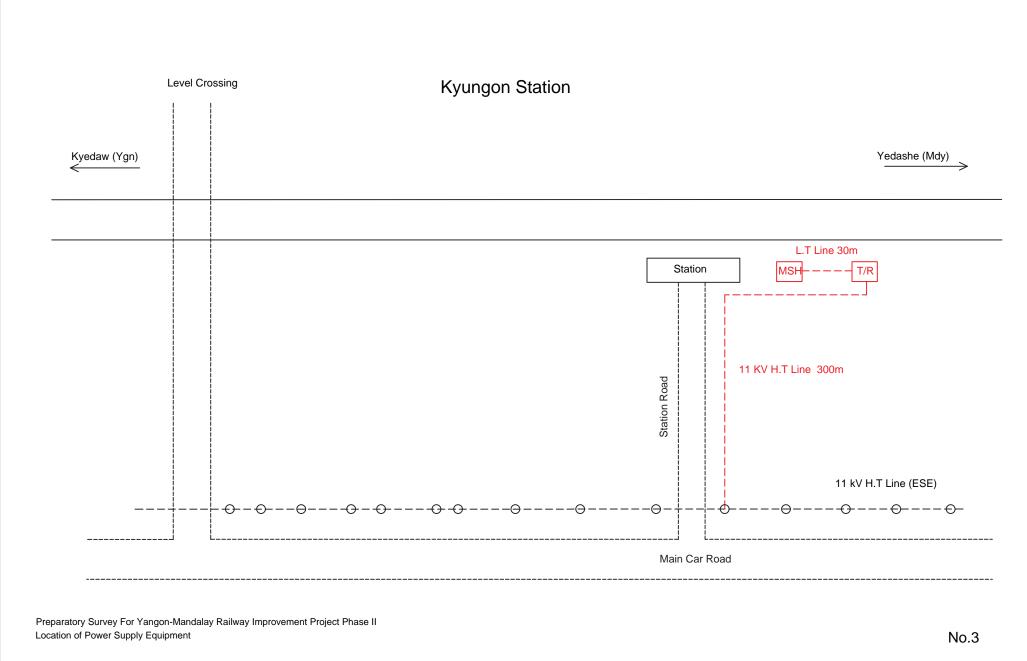


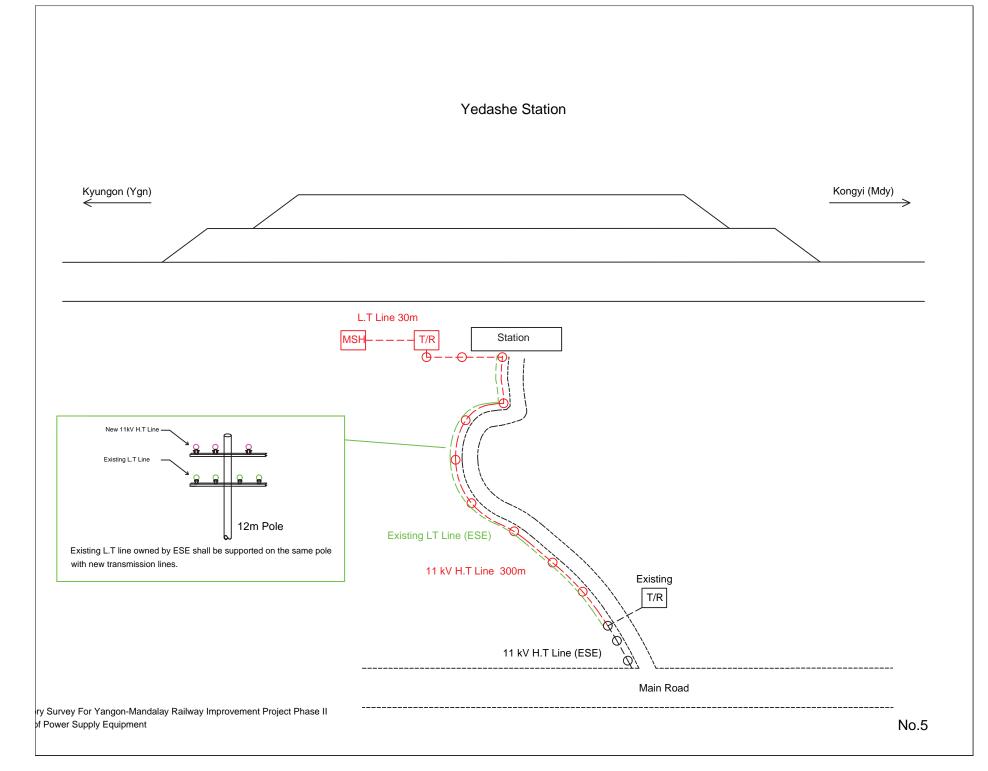
Location of Power Supply Equipment

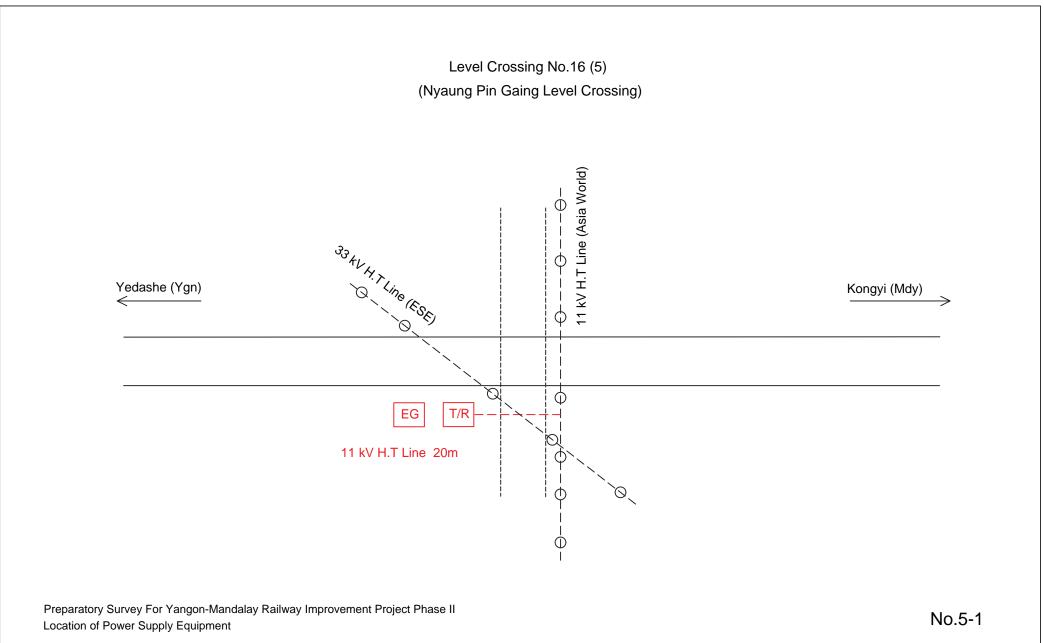
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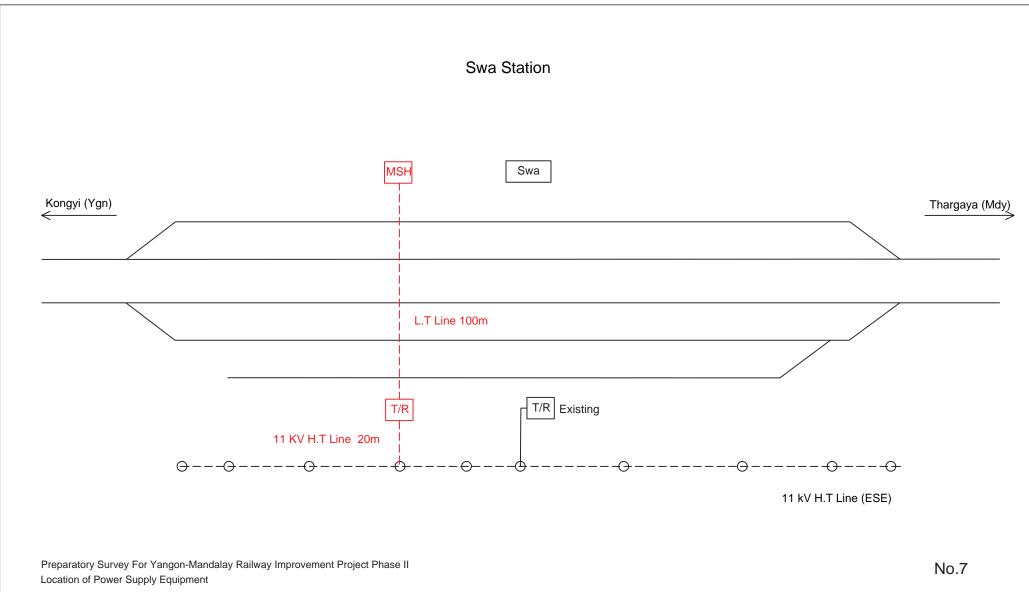


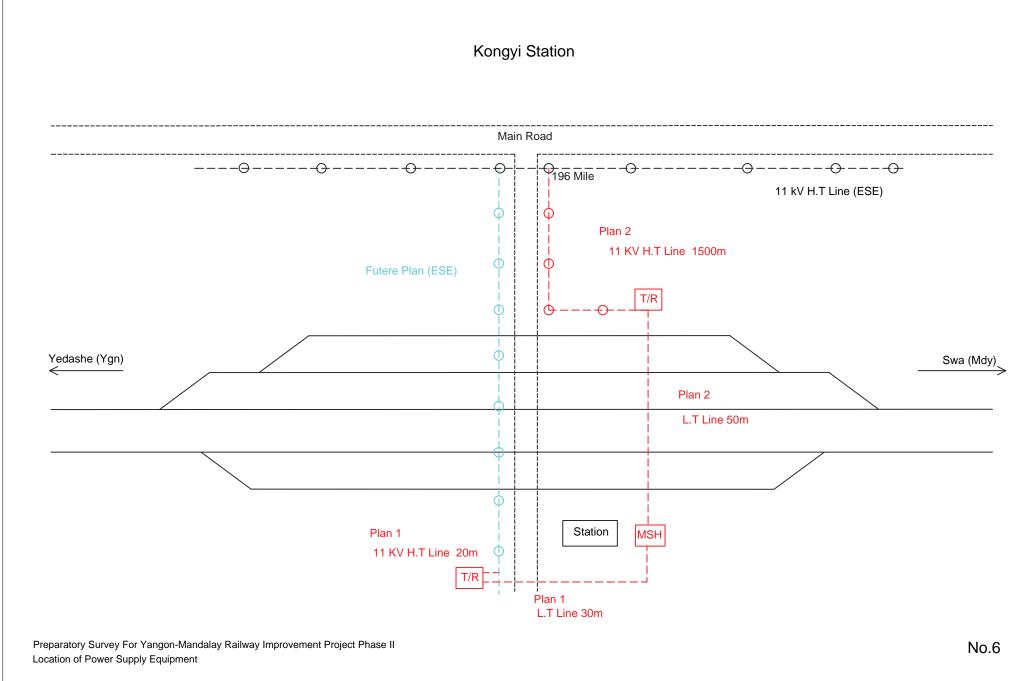
Preparatory Survey For Yangon-Mandalay Railway Improvement Project Phase II Location of Power Supply Equipment

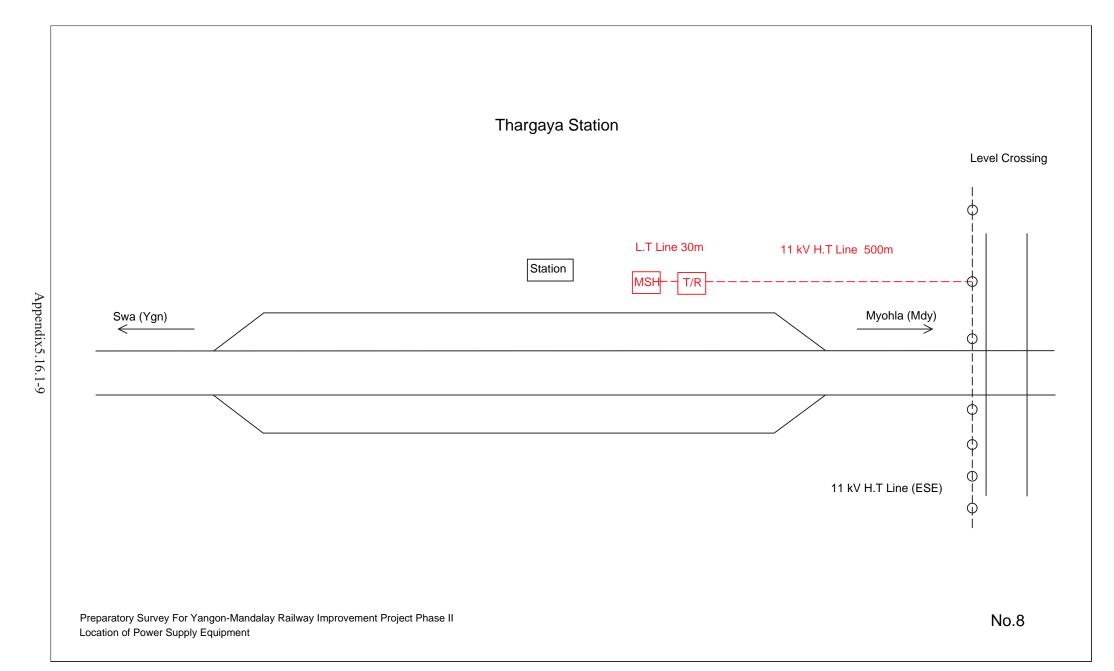


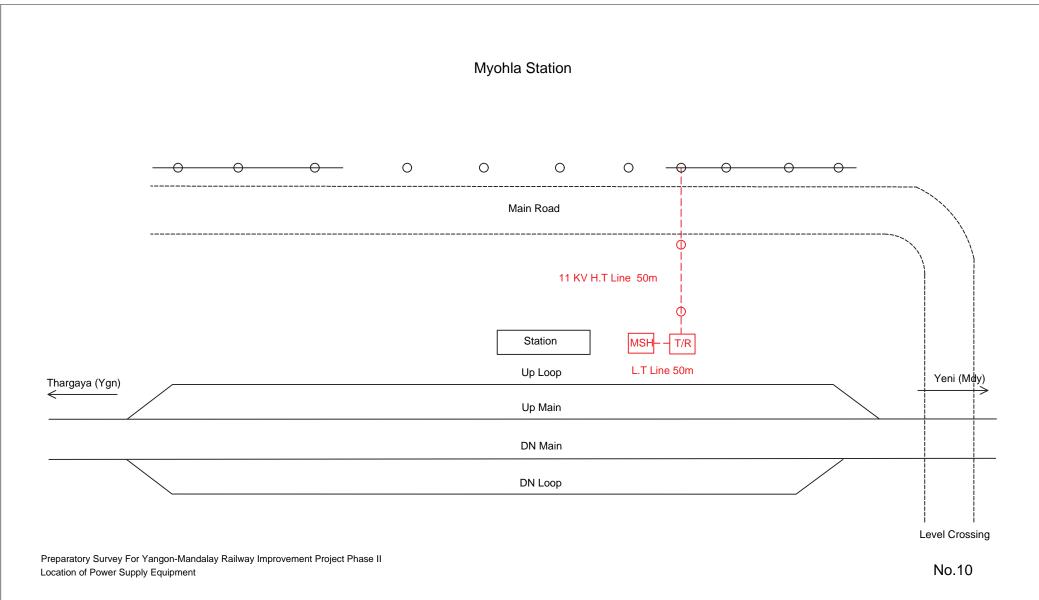


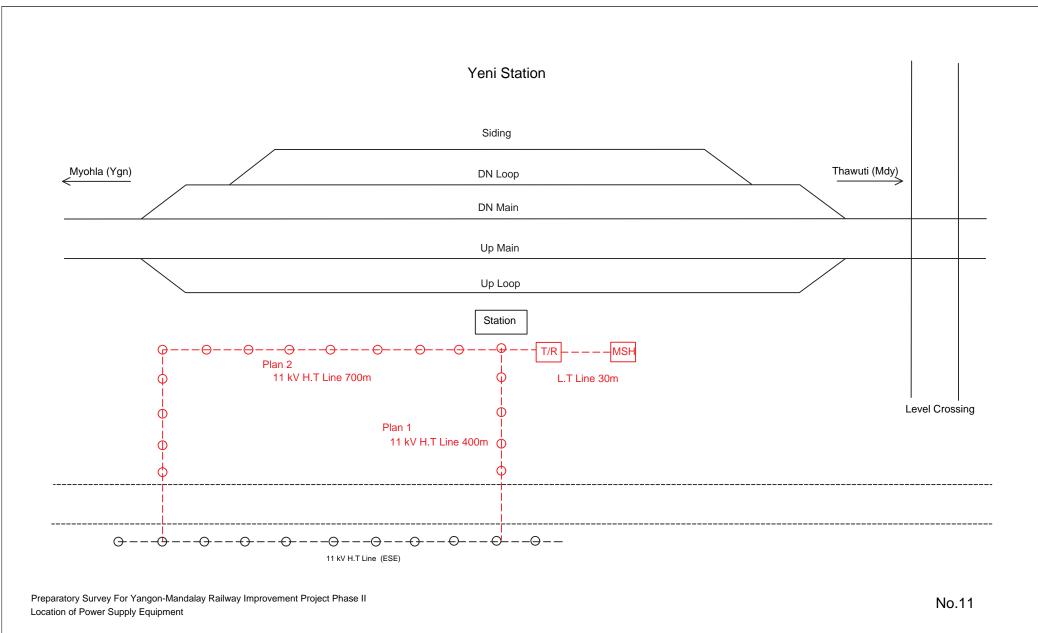


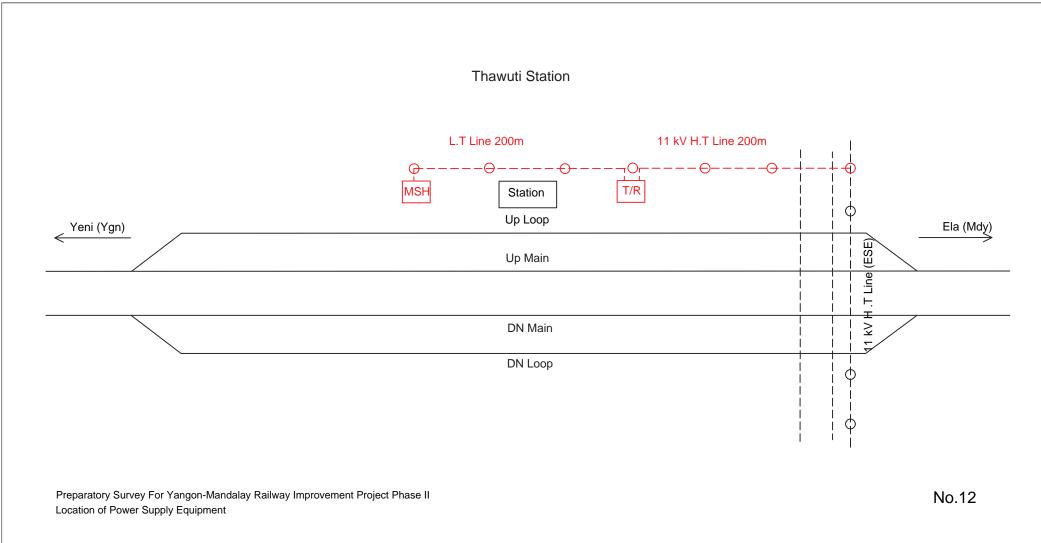


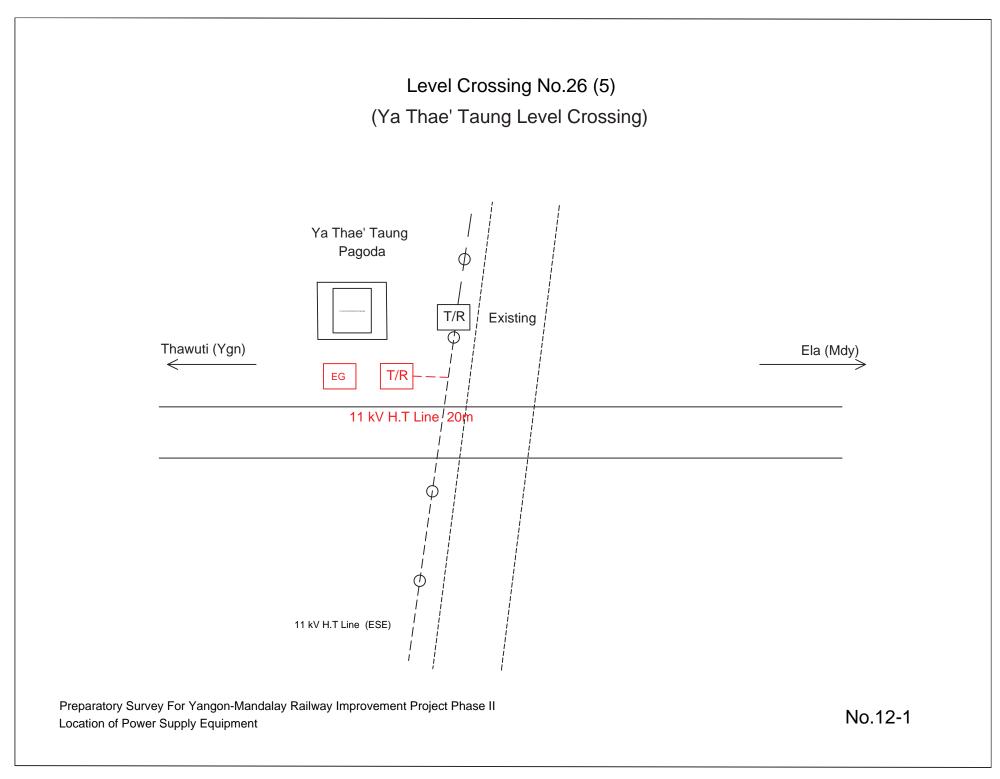


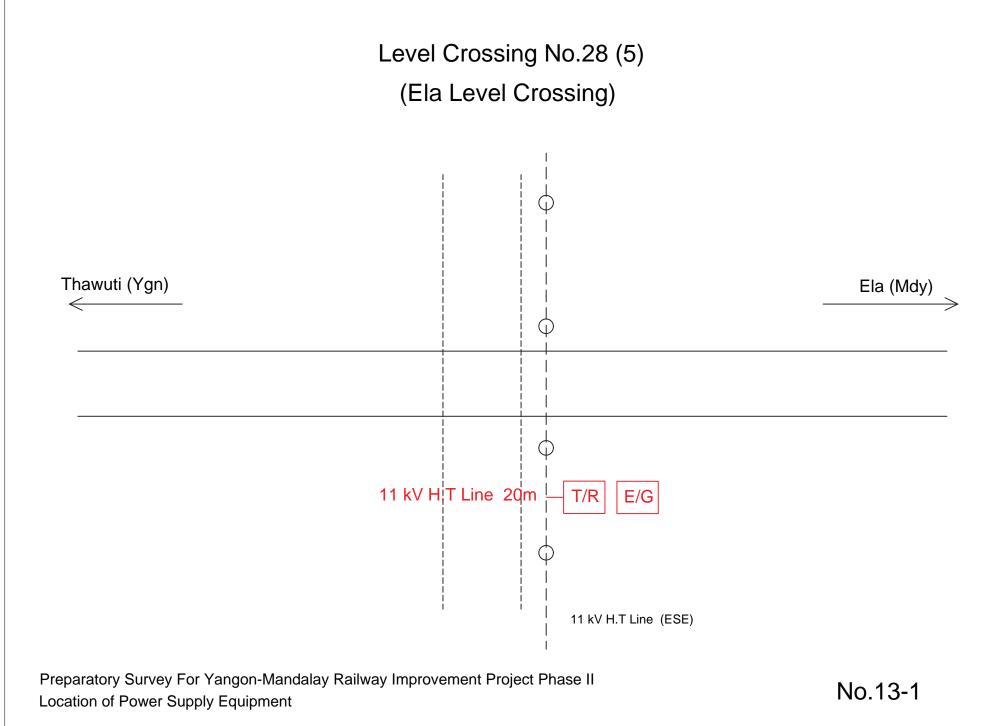


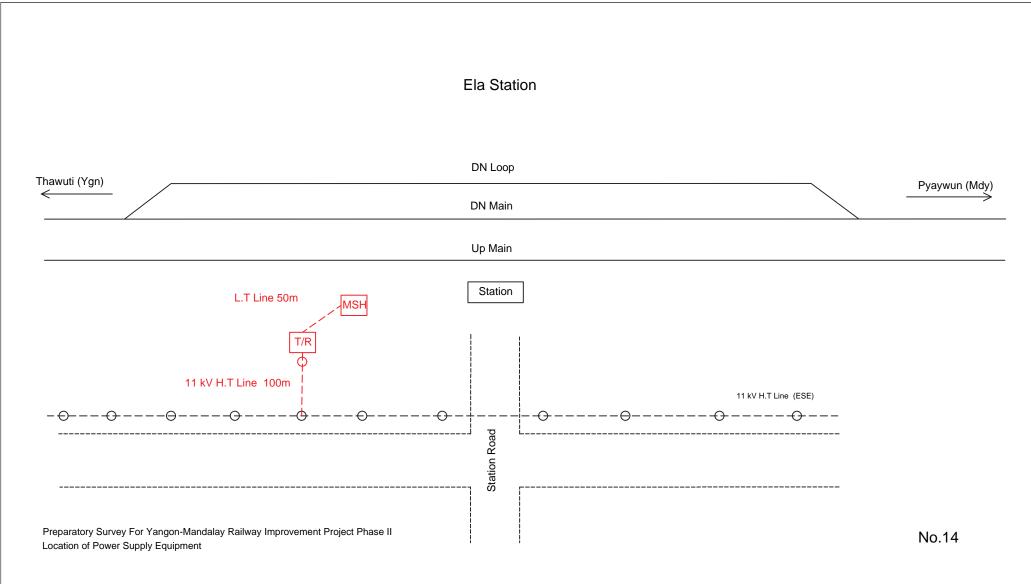


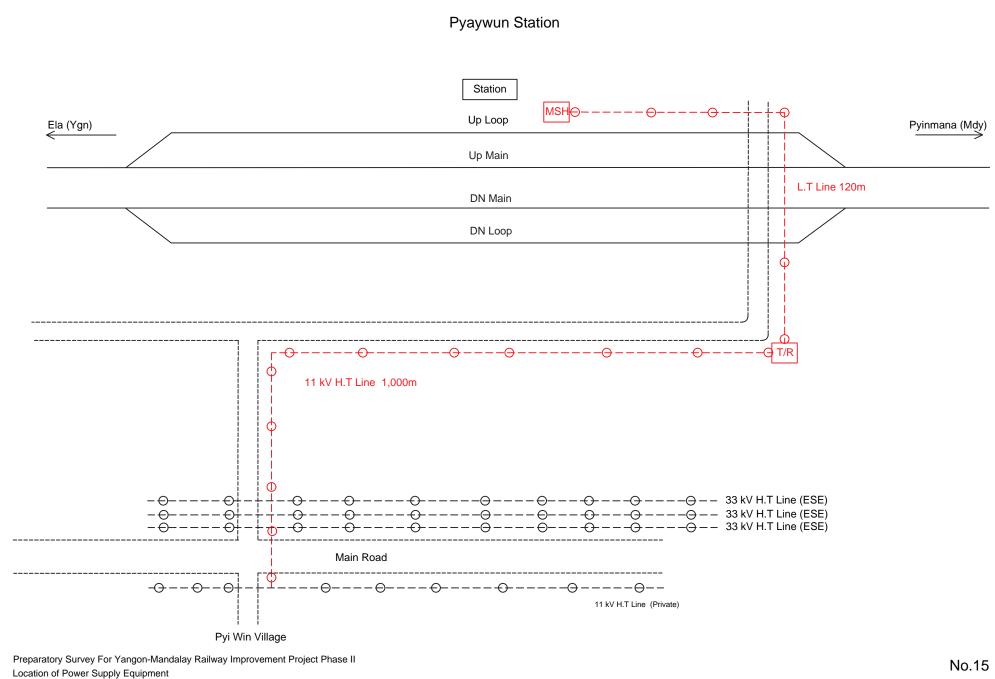


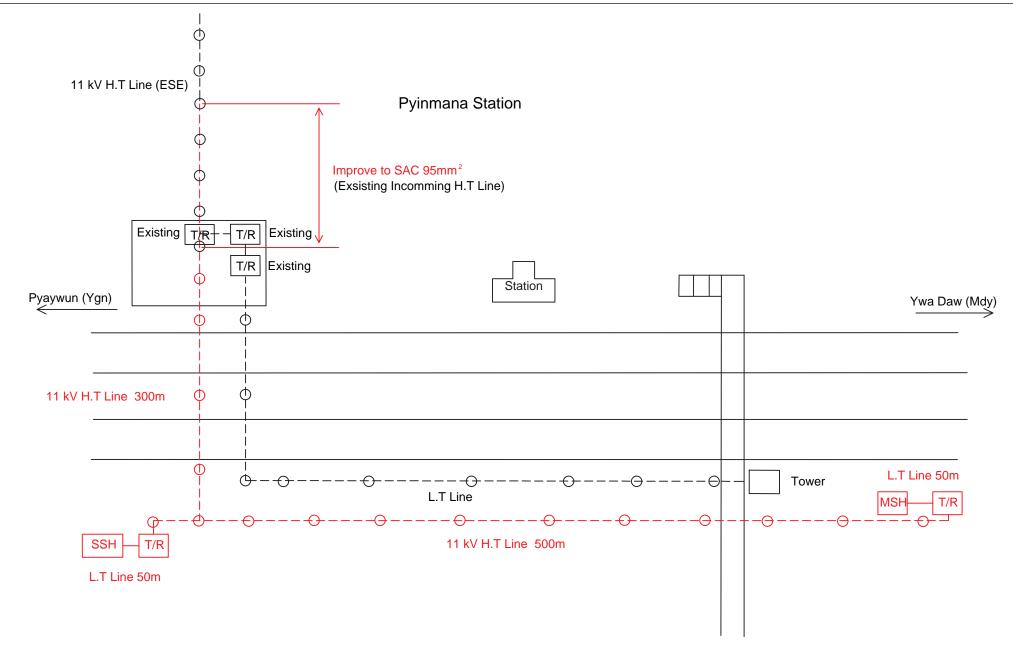


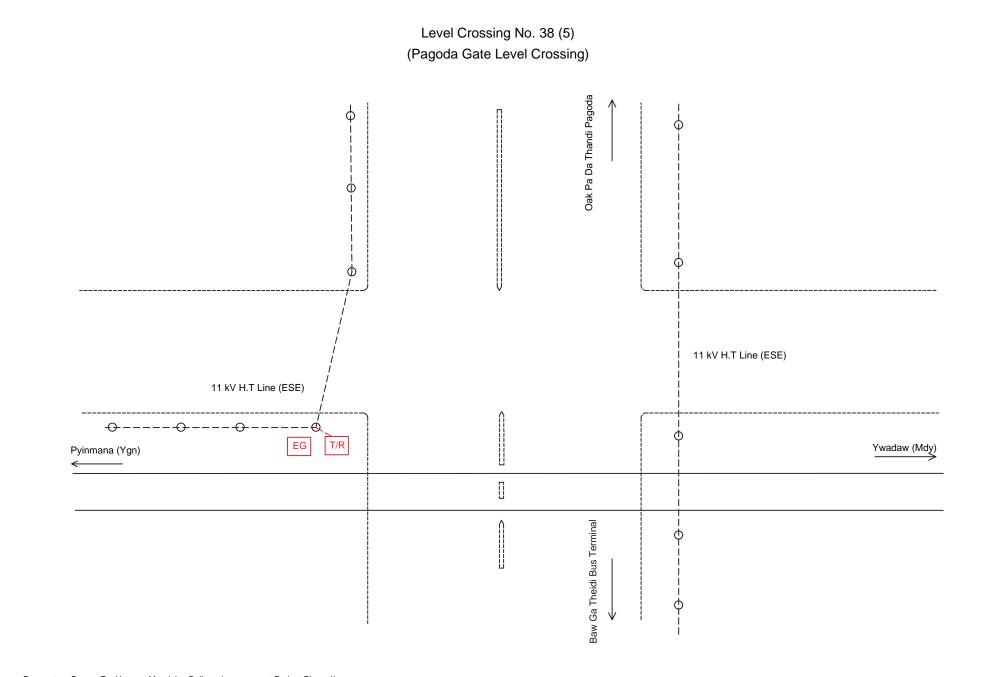


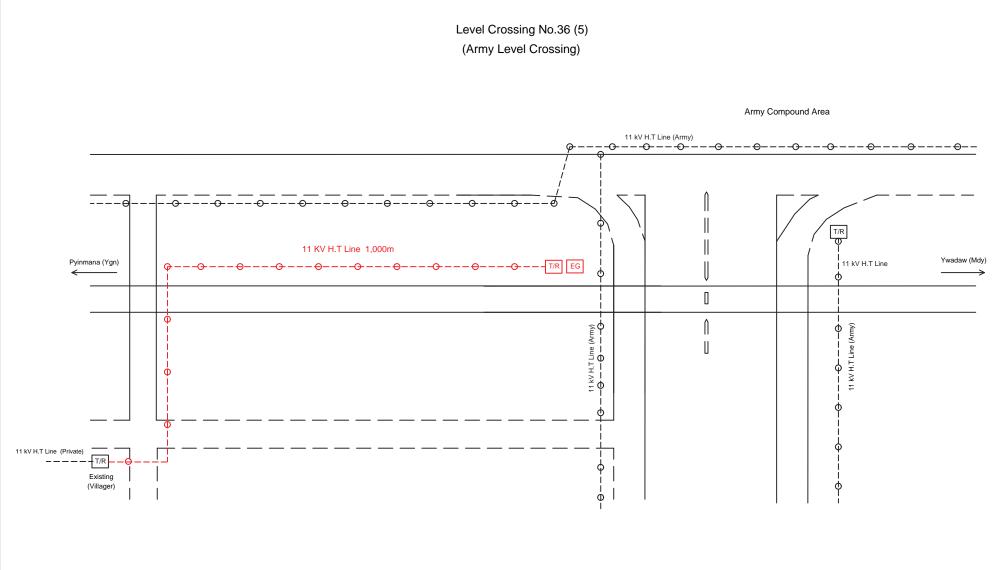








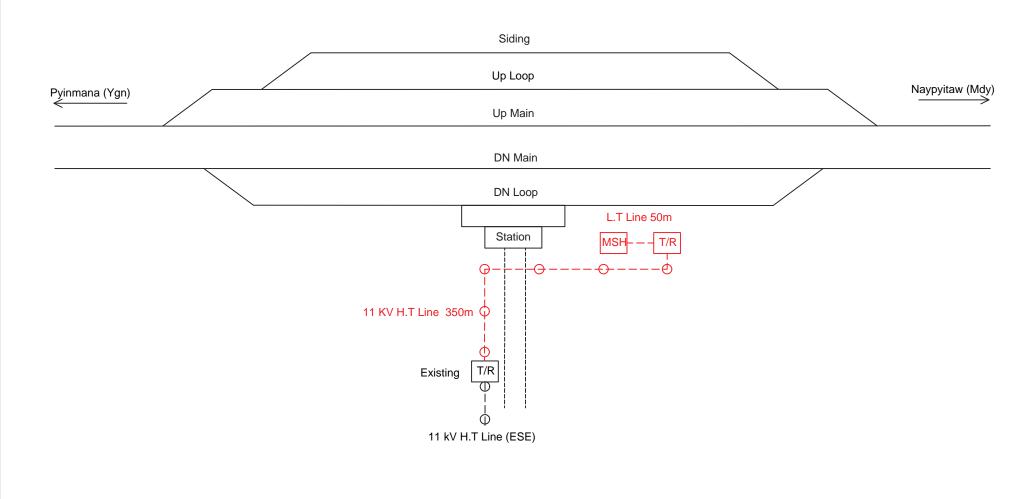




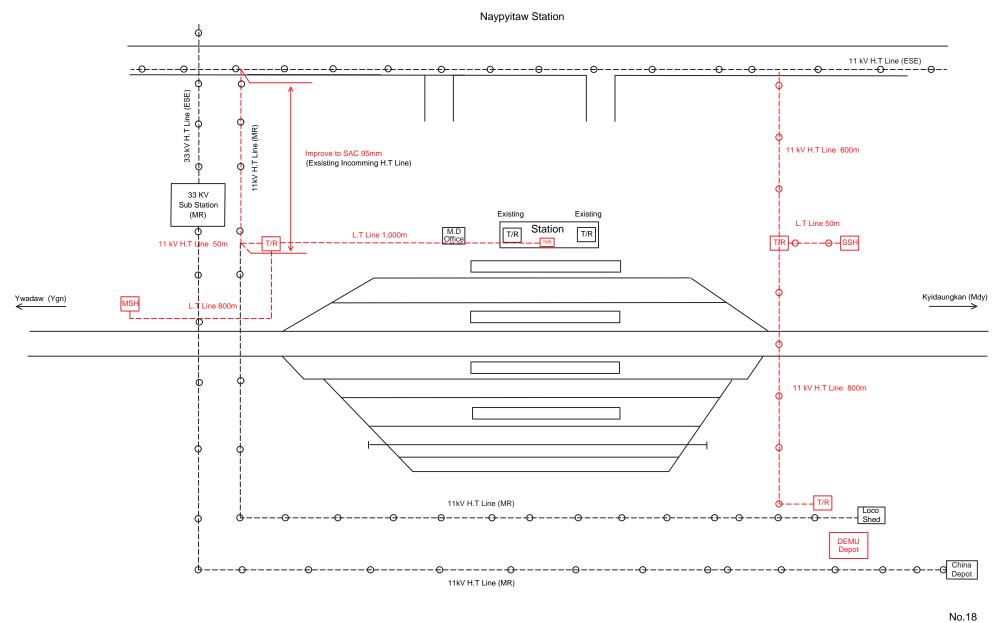
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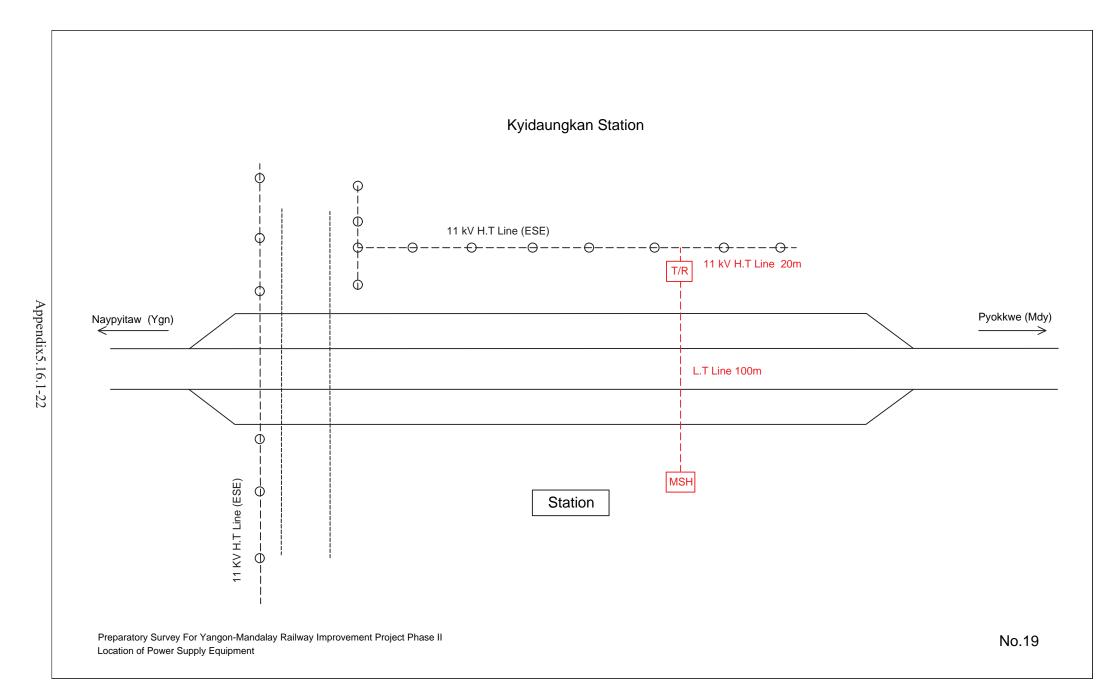
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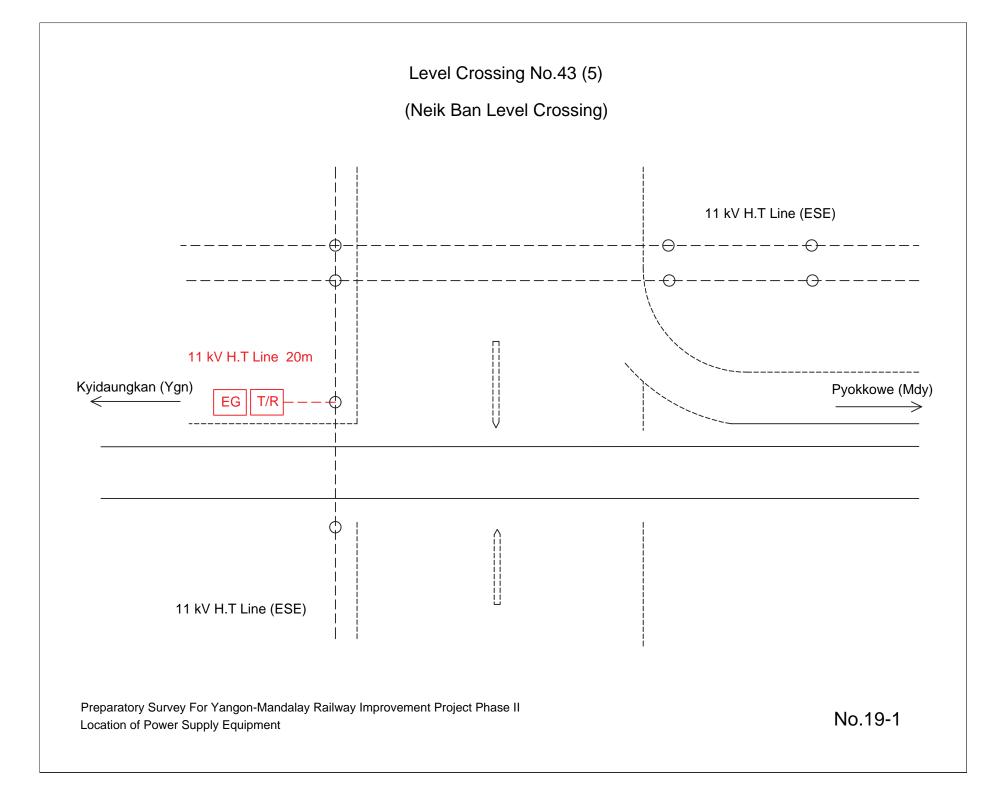
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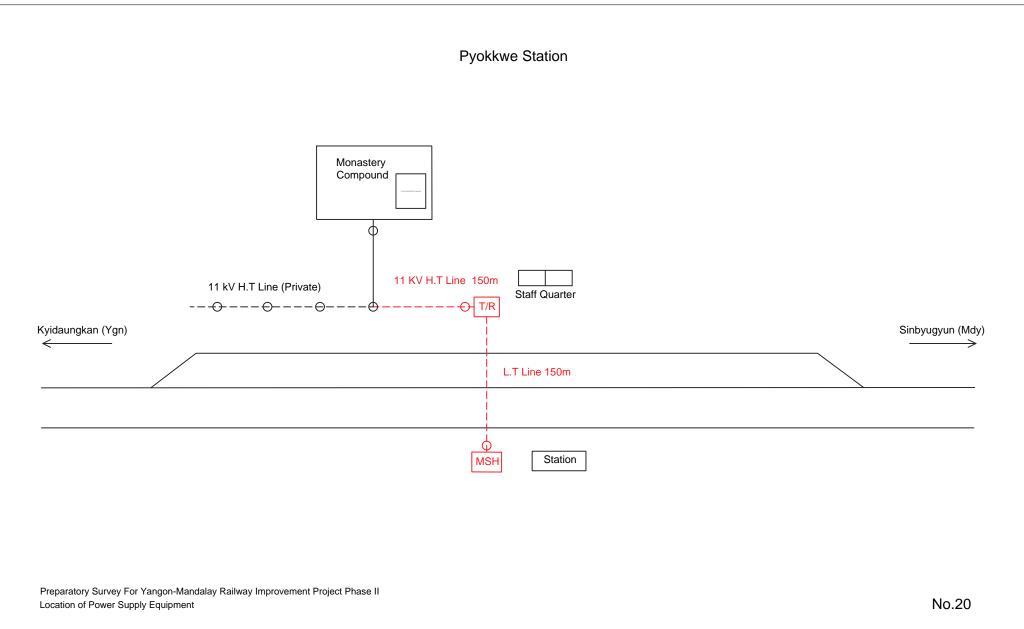


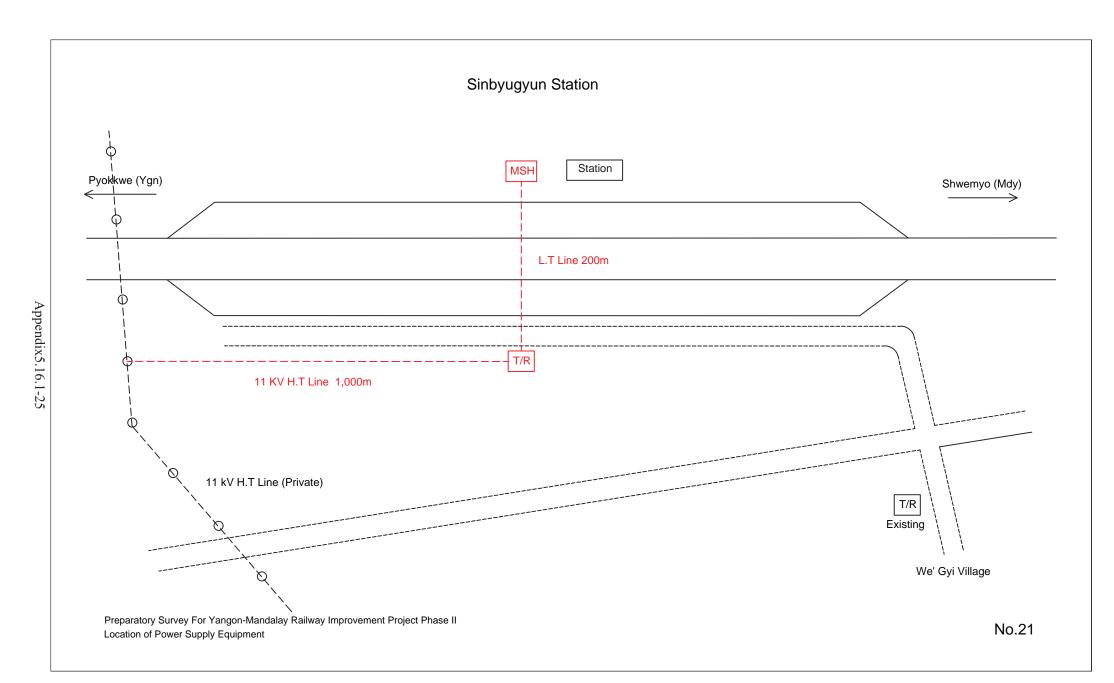
Preparatory Survey For Yangon-Mandalay Railway Improvement Project Phase II Location of Power Supply Equipment

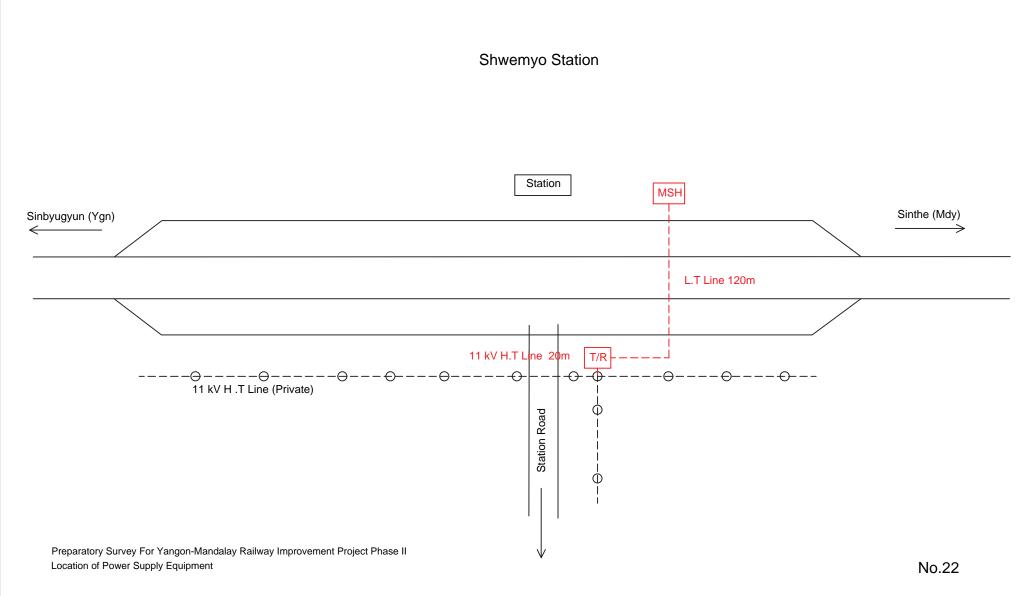


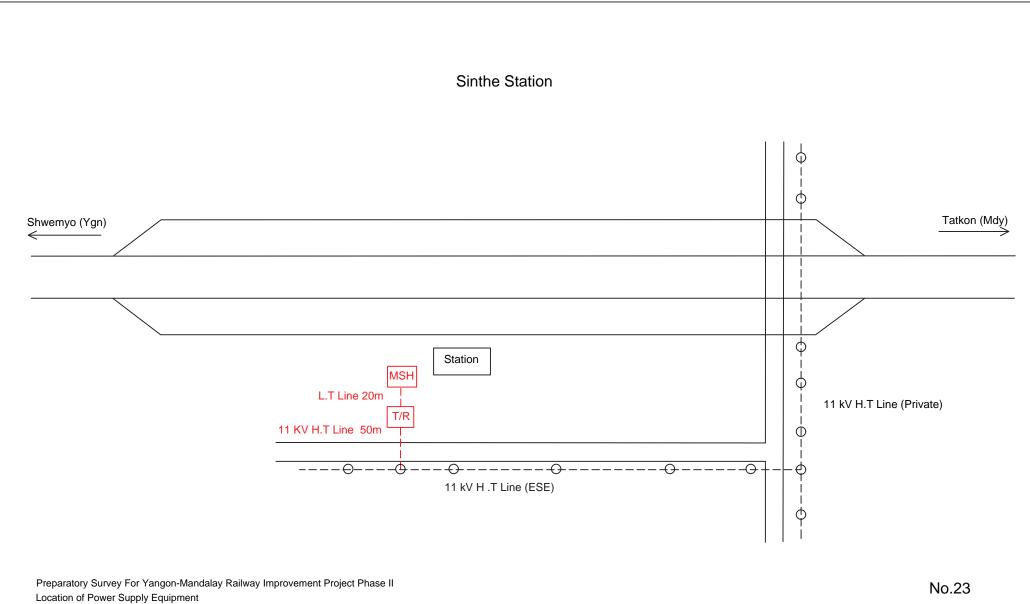


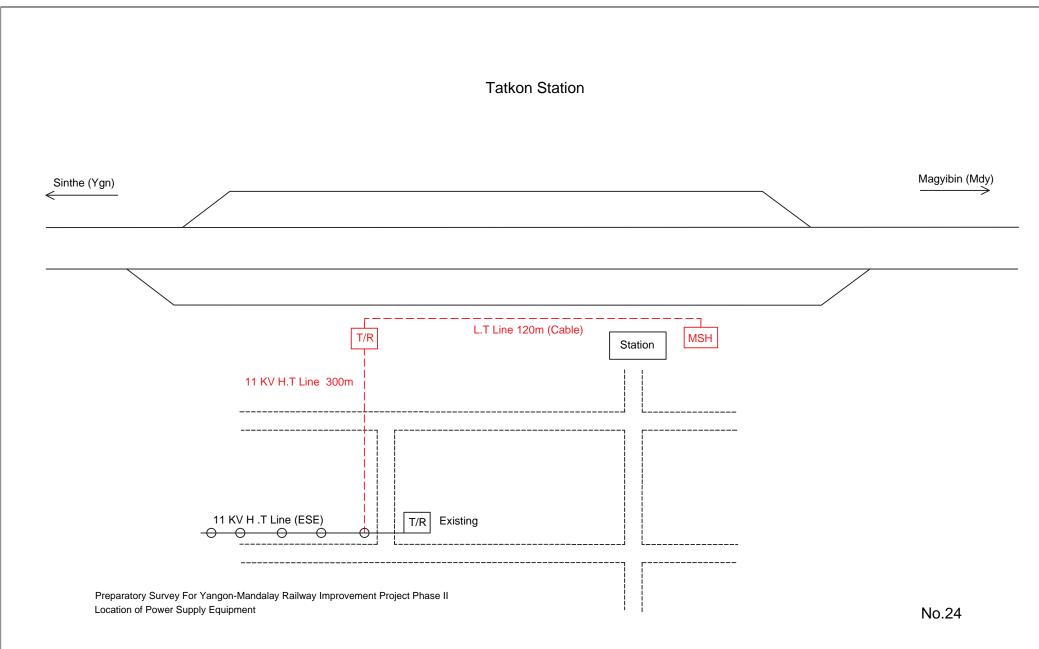


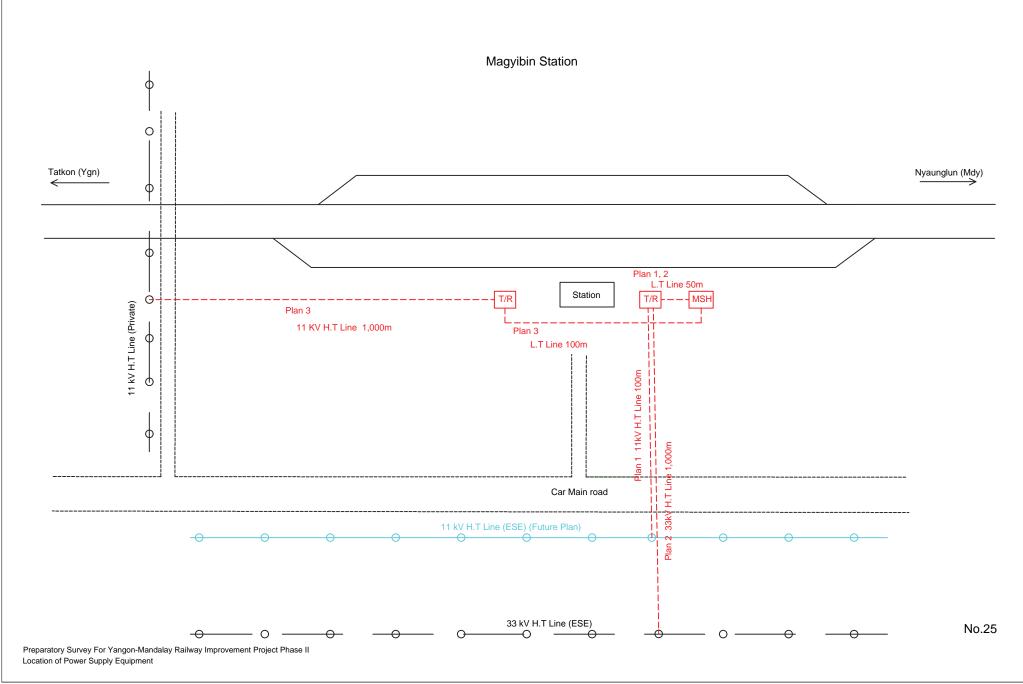


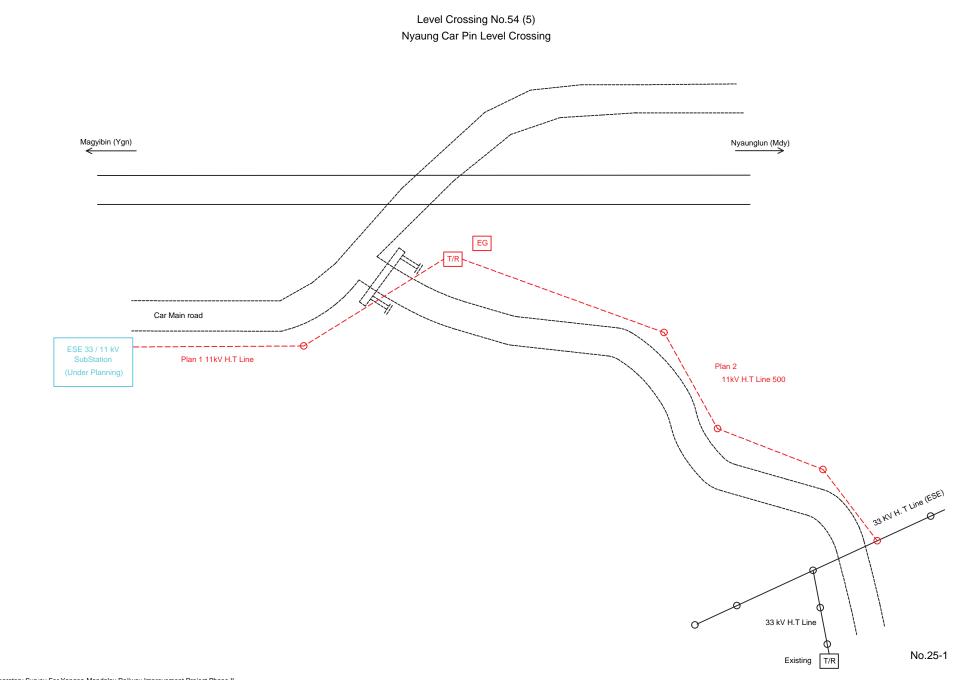


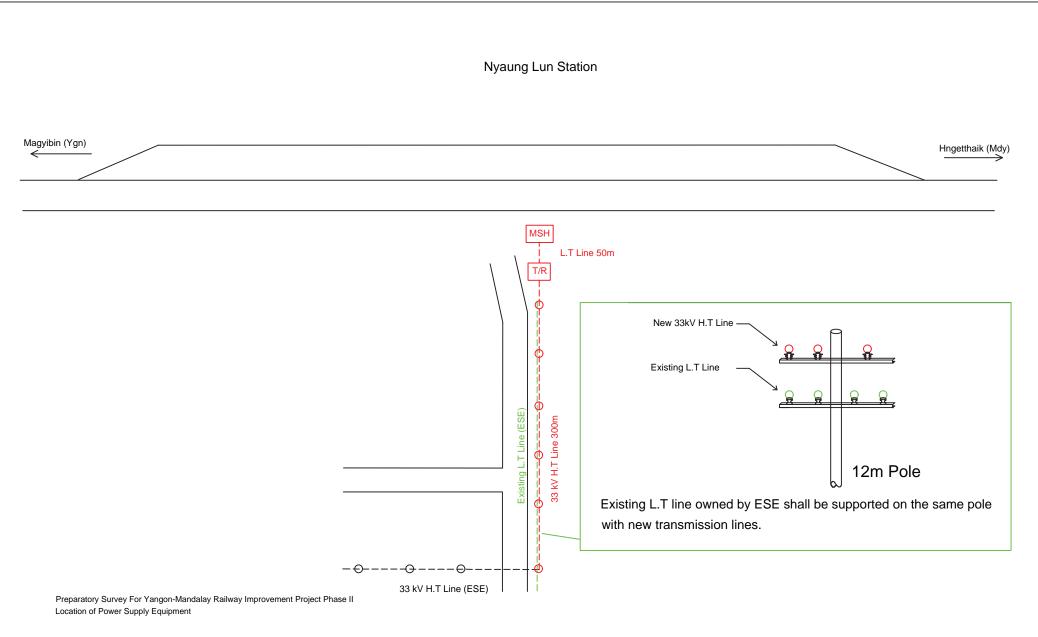


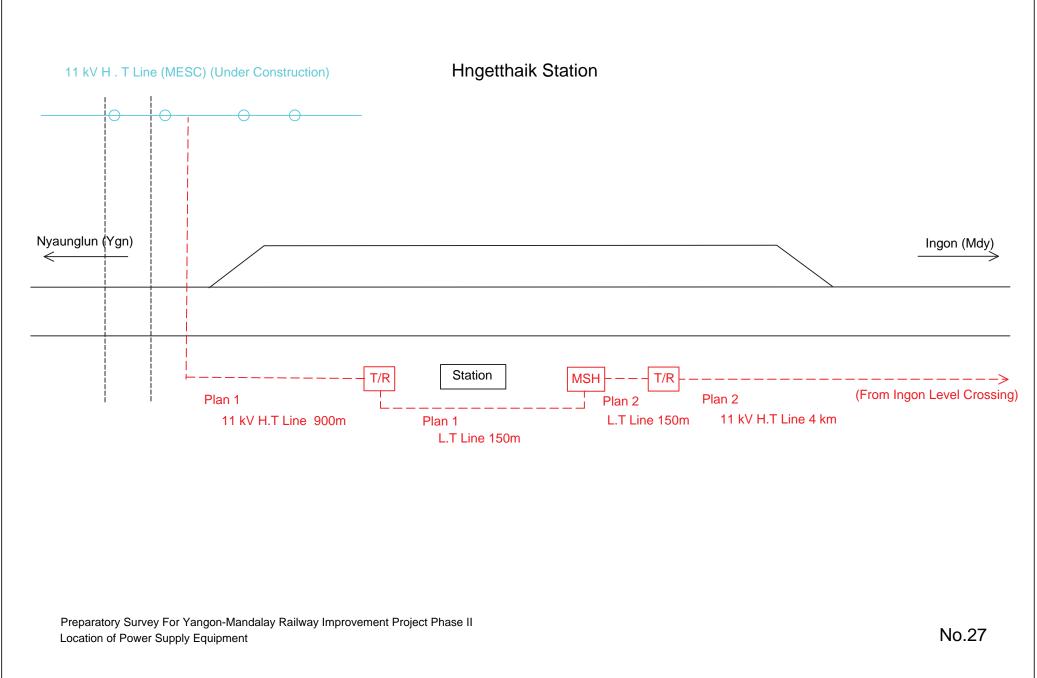


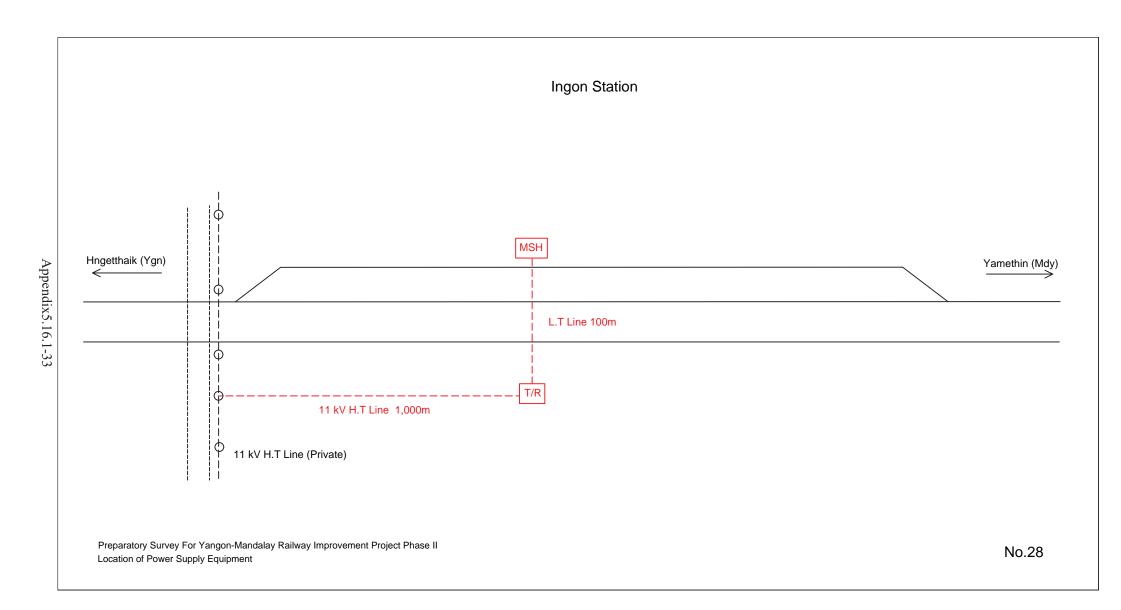


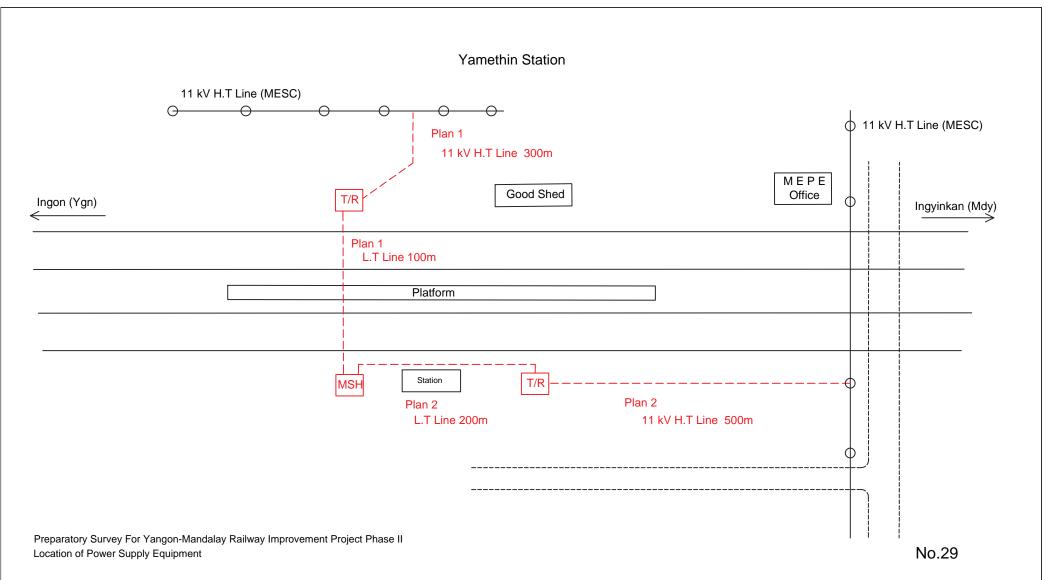


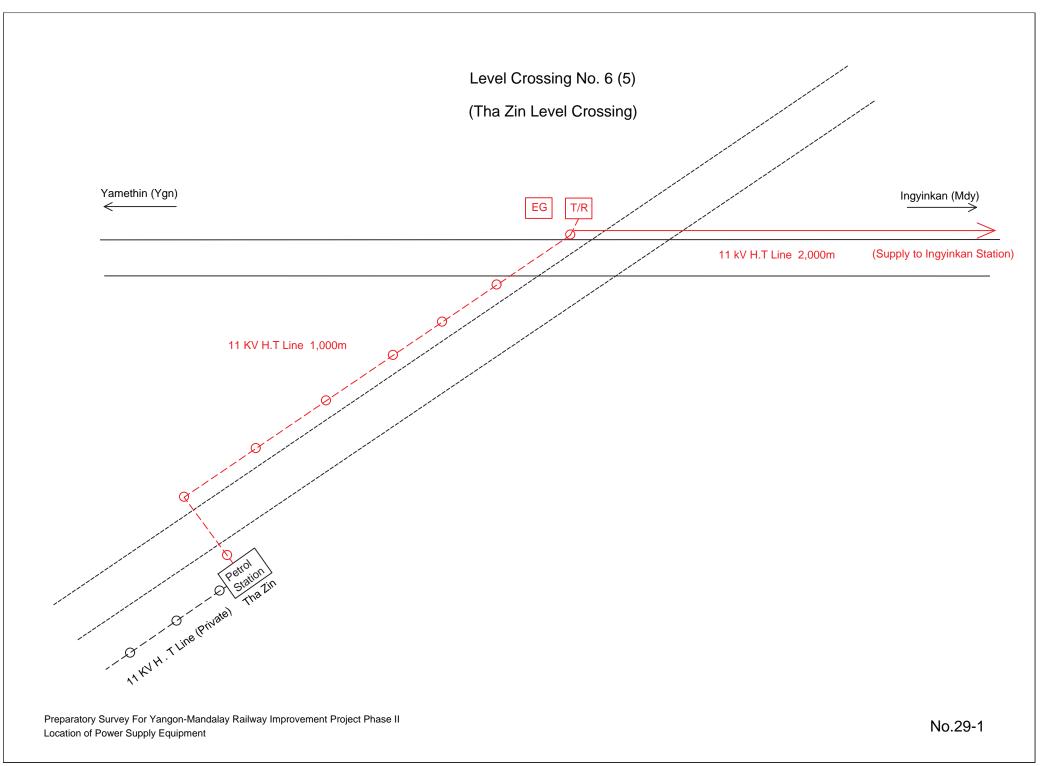


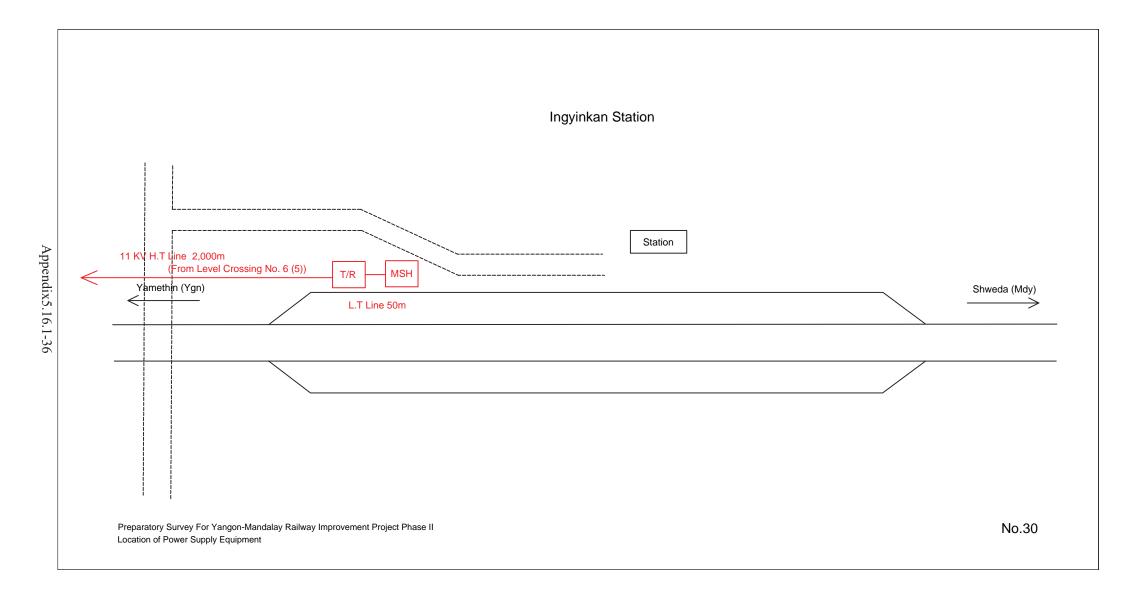


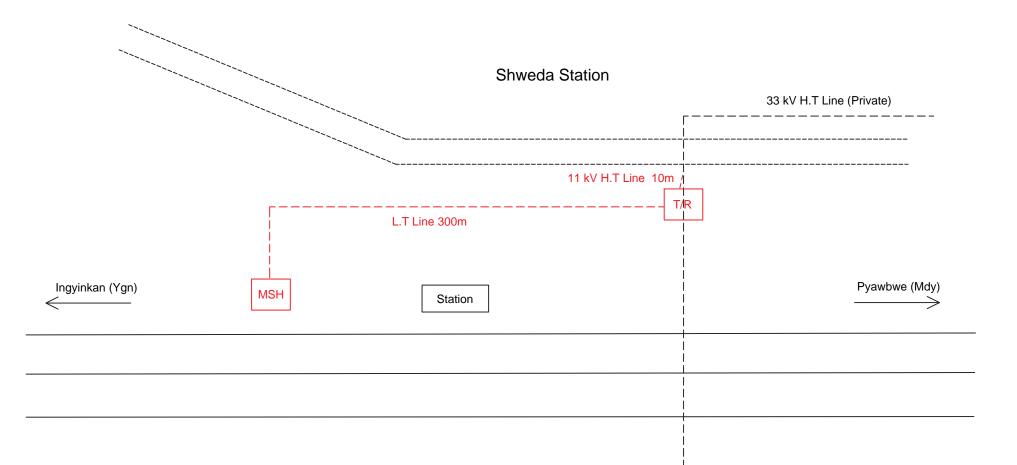


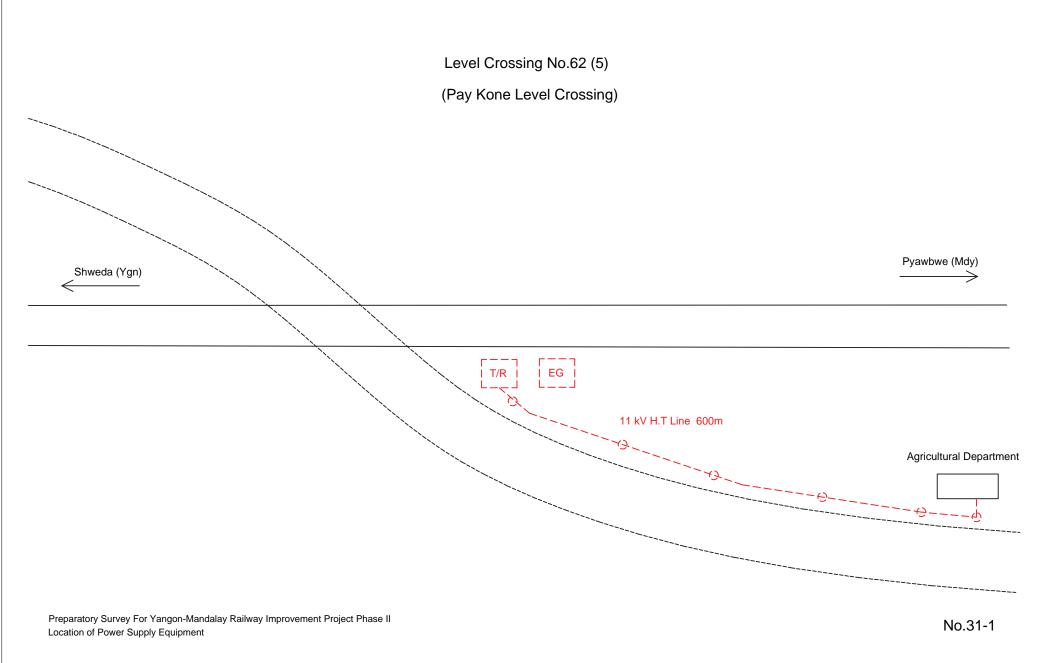


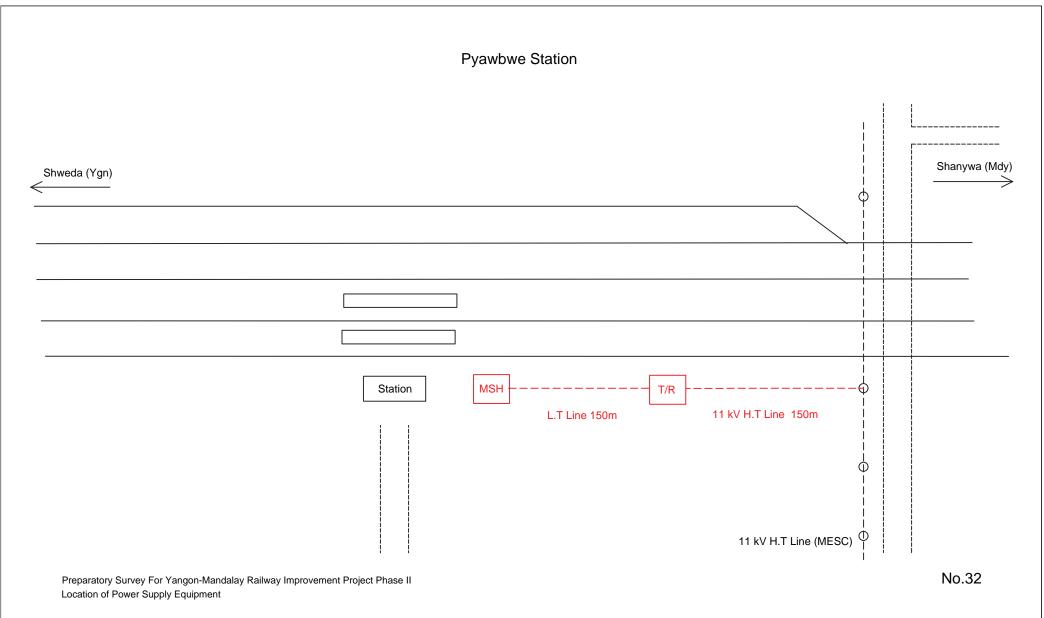


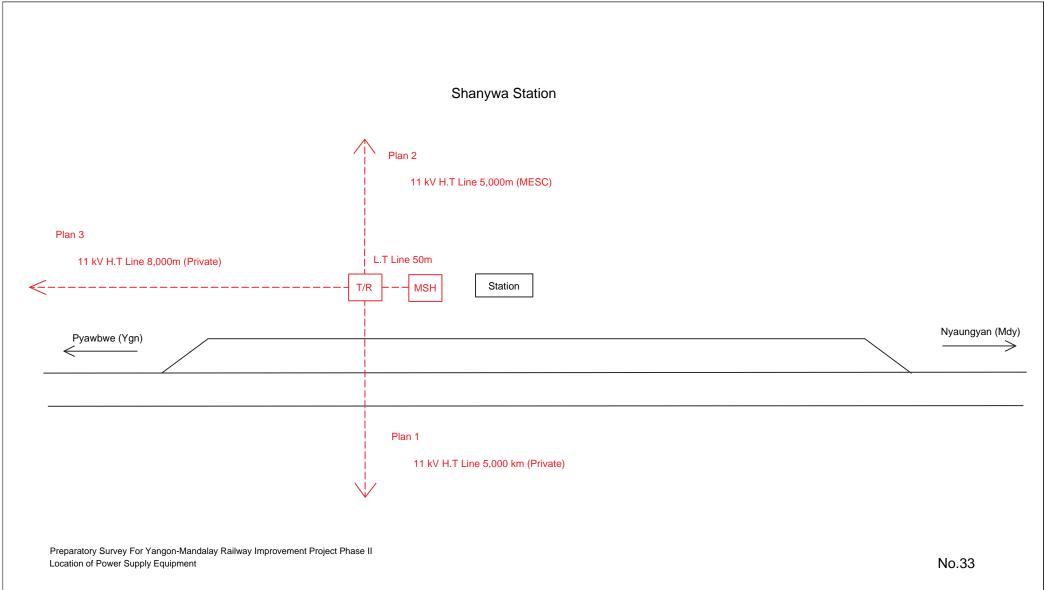


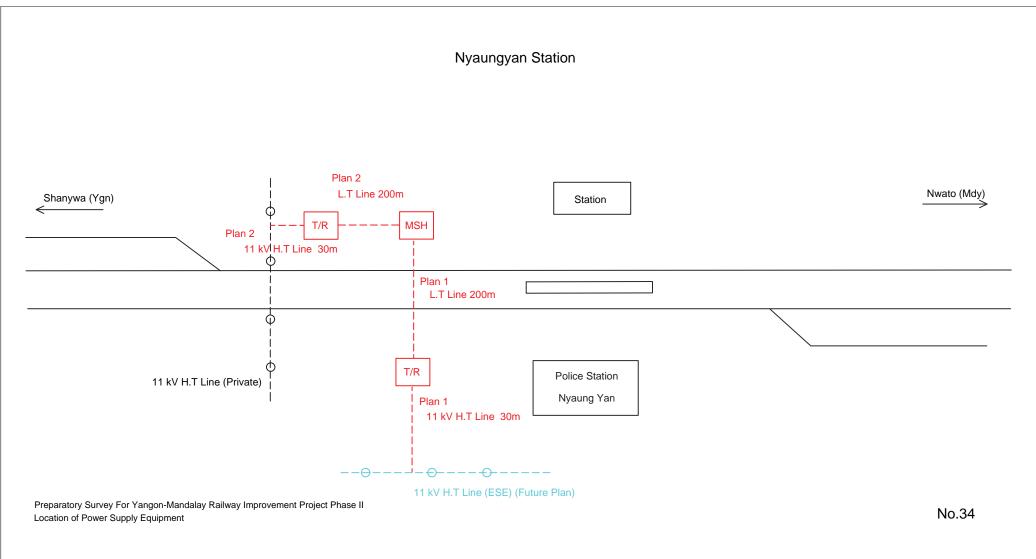


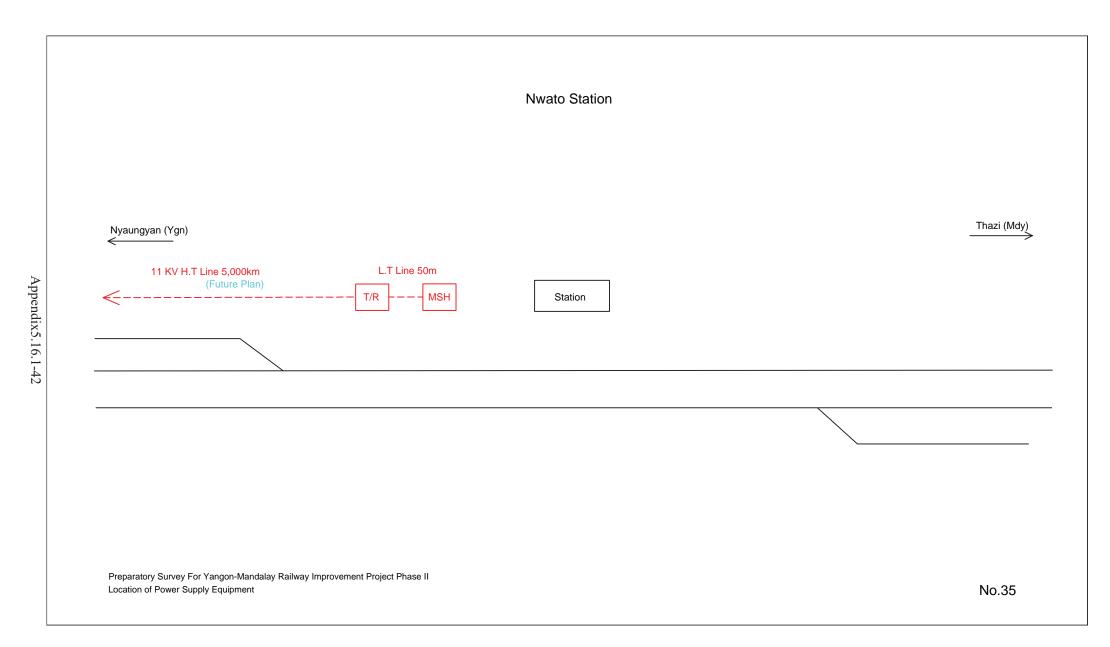


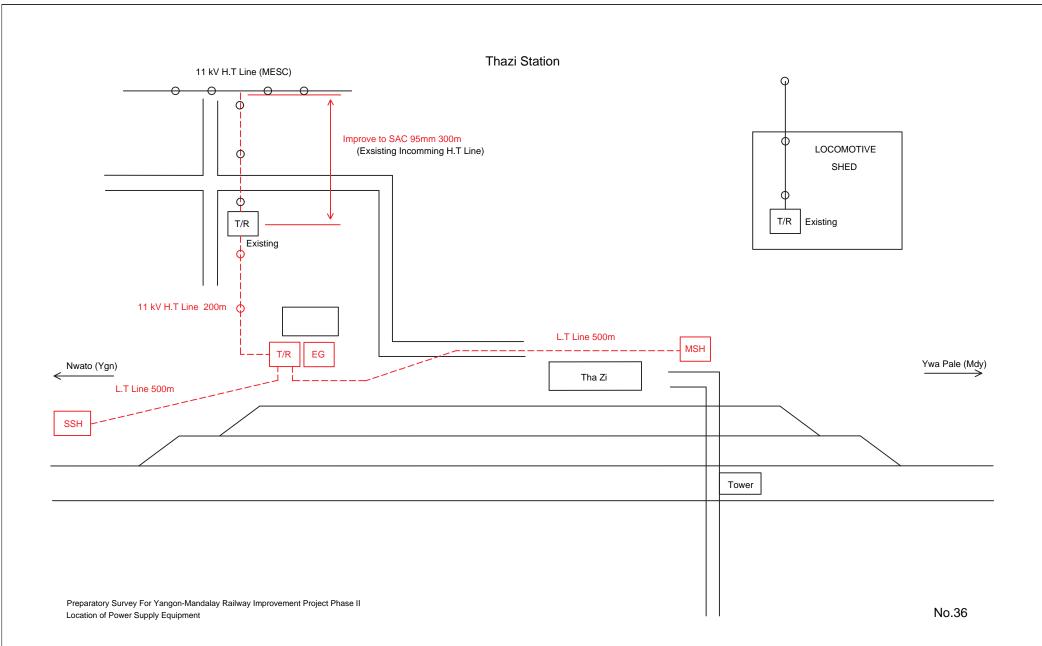


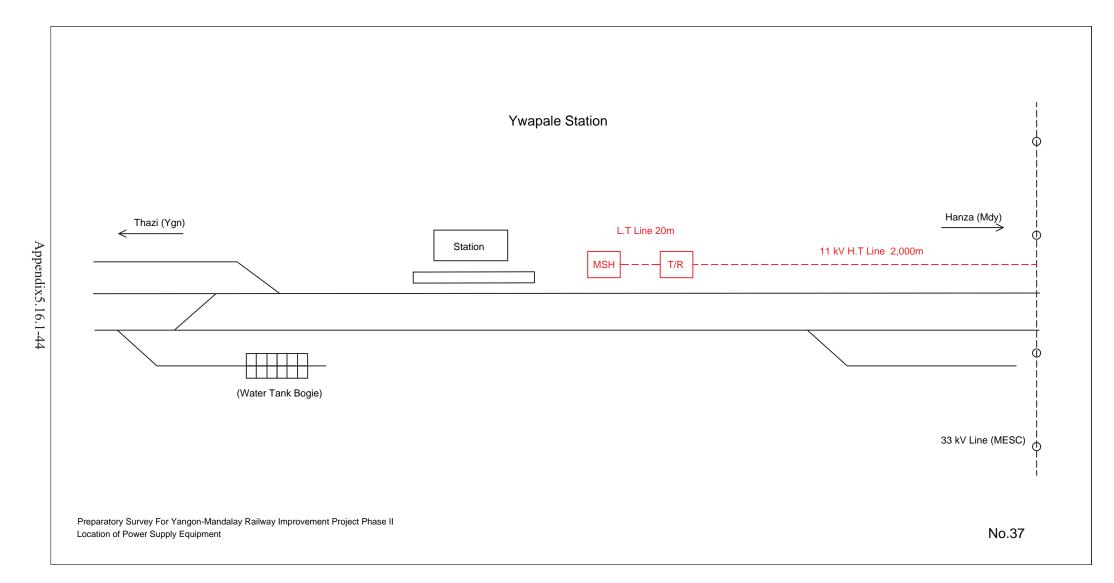


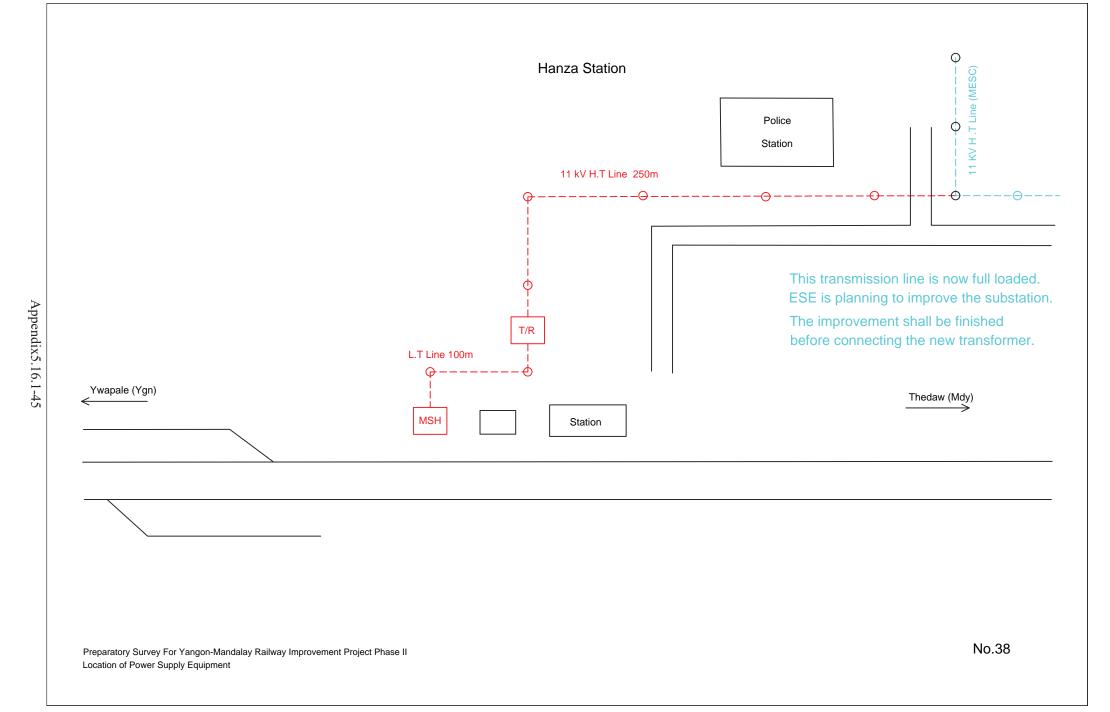


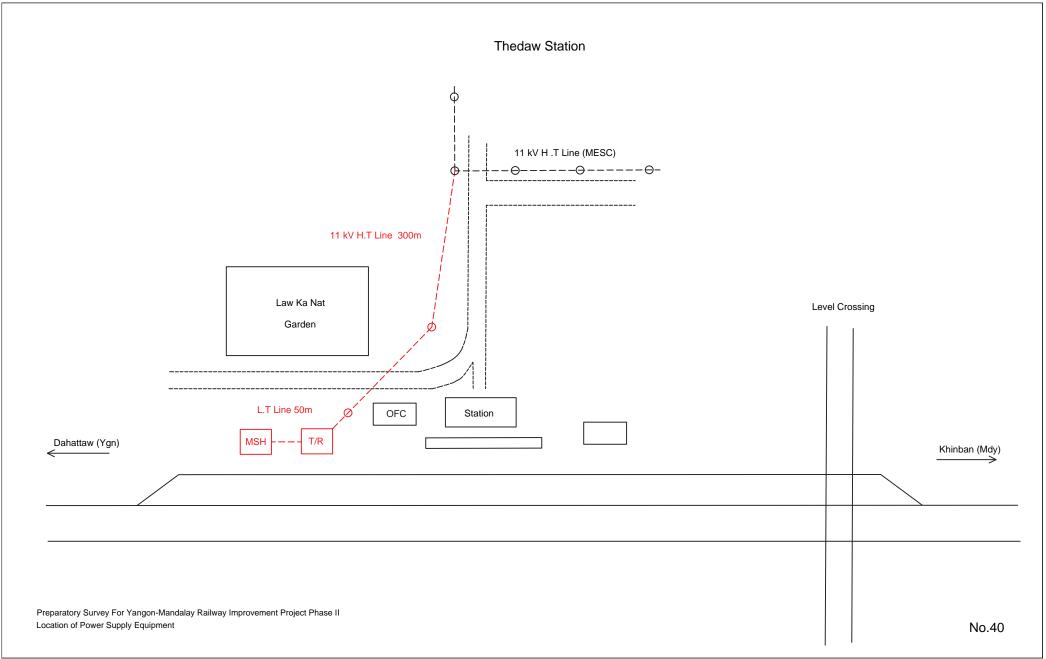


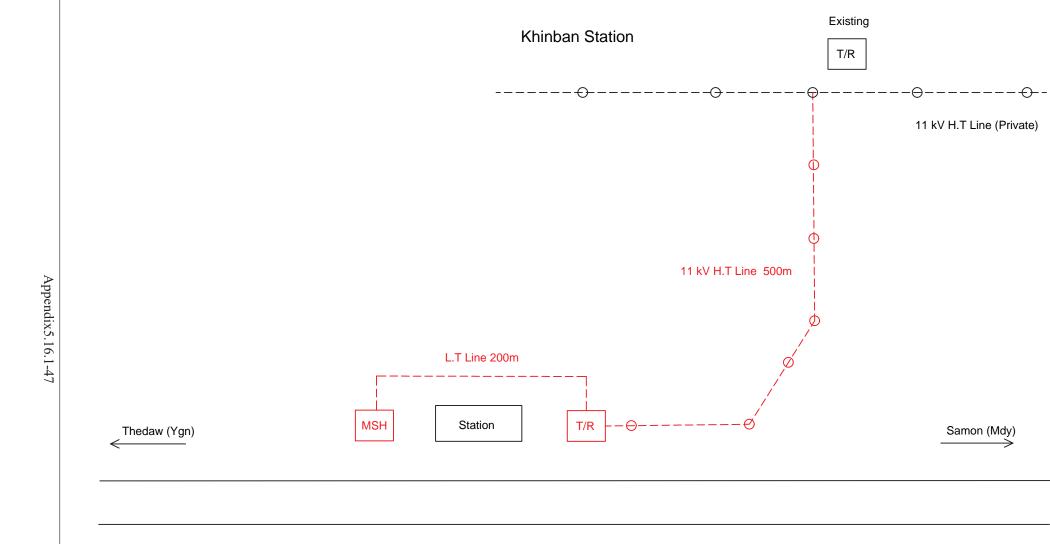


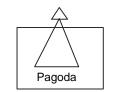












Existing

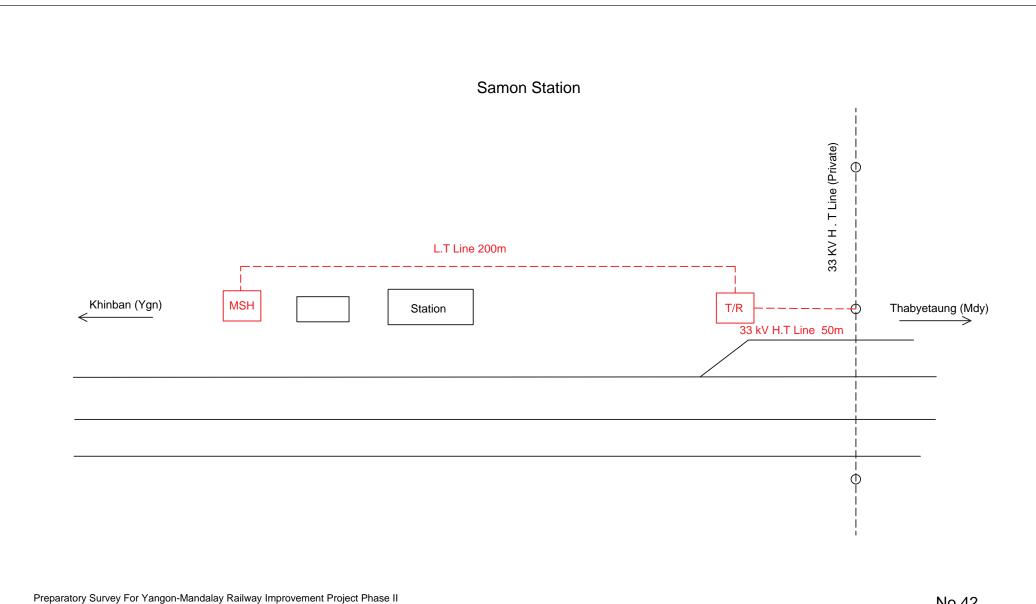
T/R

11 kV H.T Line 500m

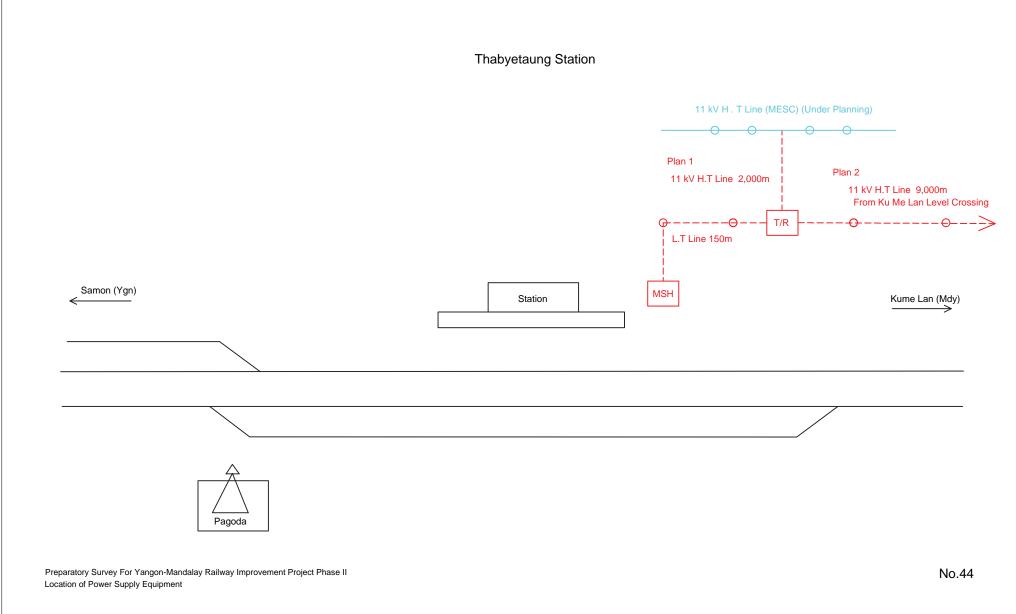
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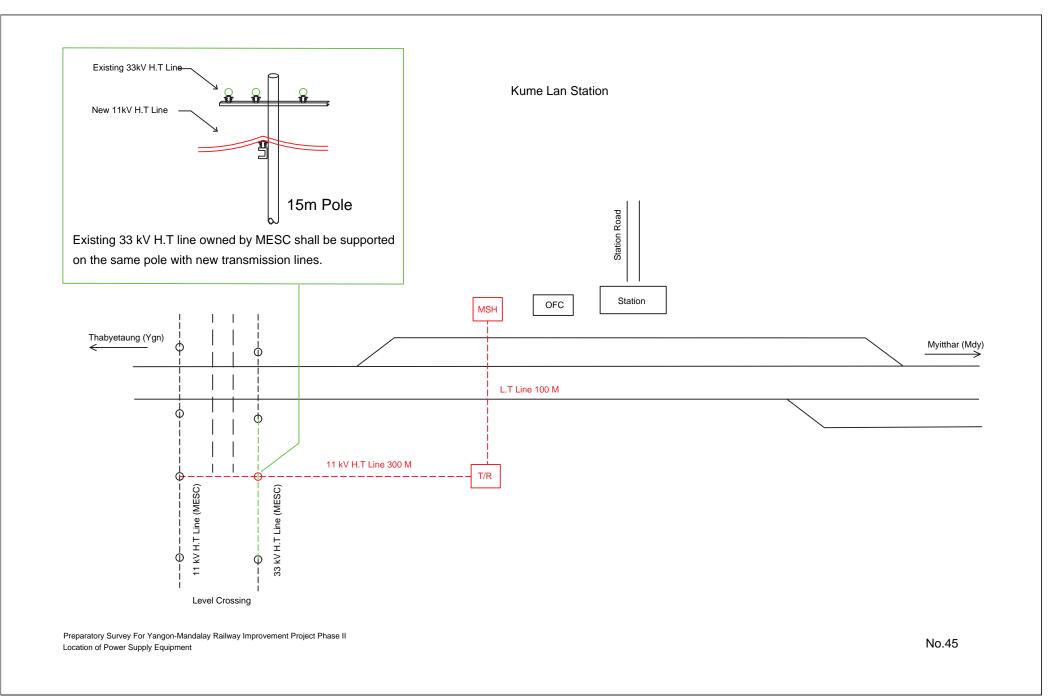
Samon (Mdy)

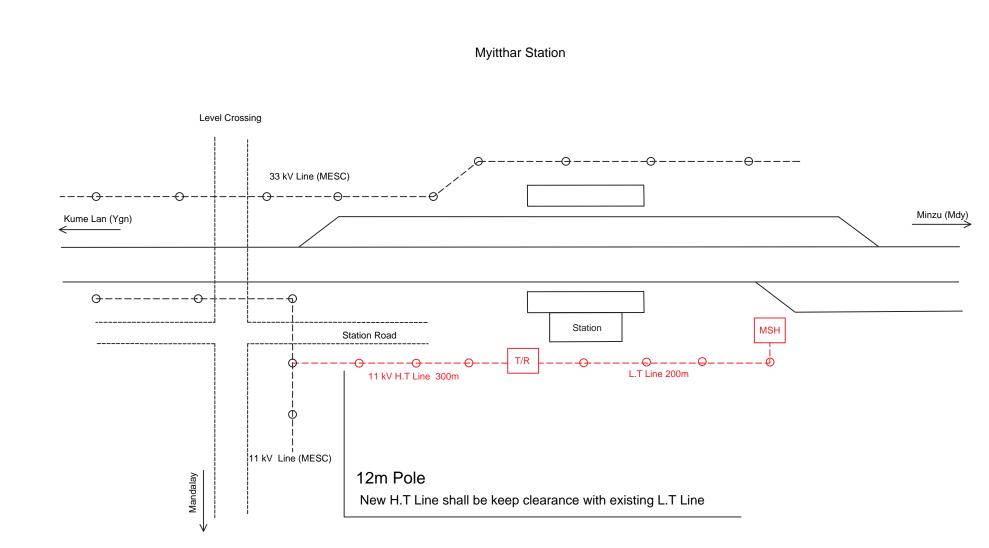
11 kV H.T Line (Private)



Location of Power Supply Equipment

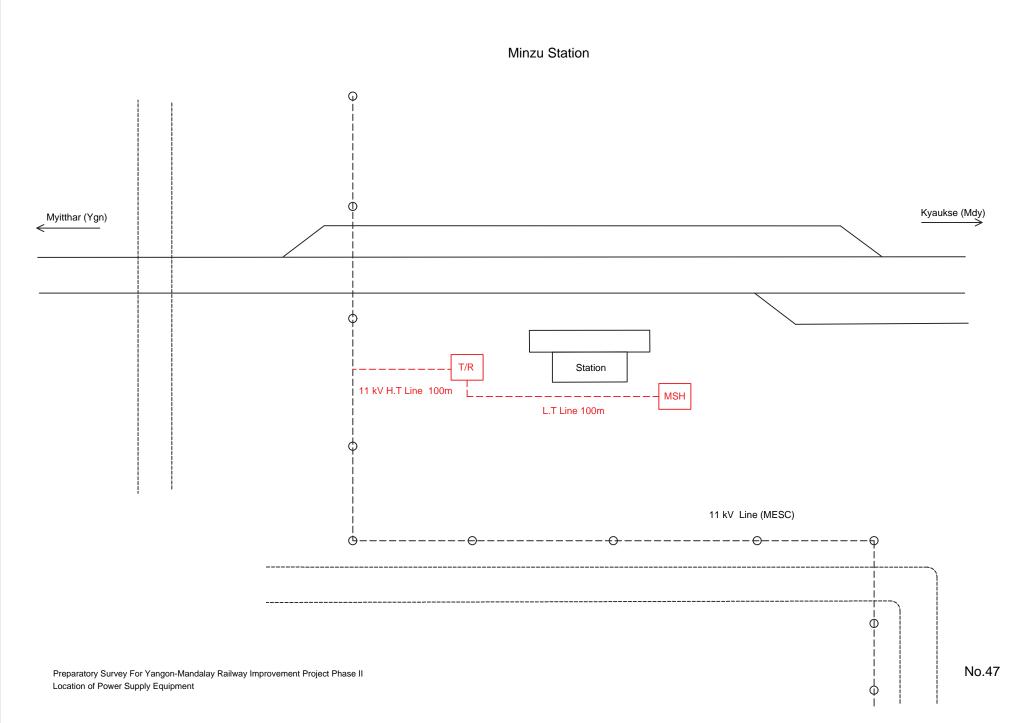




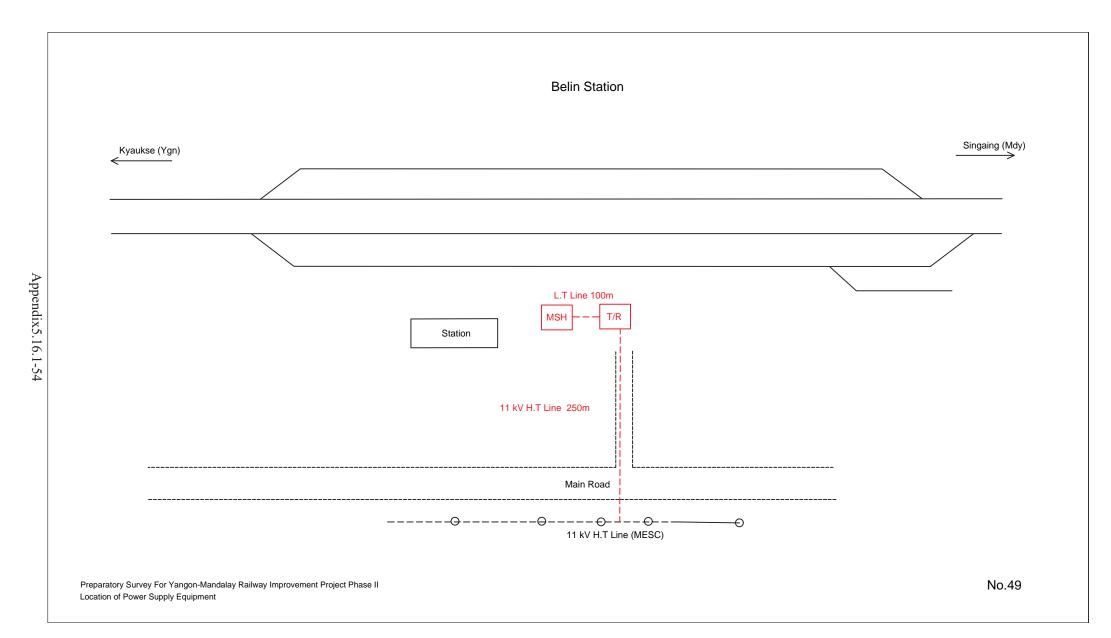


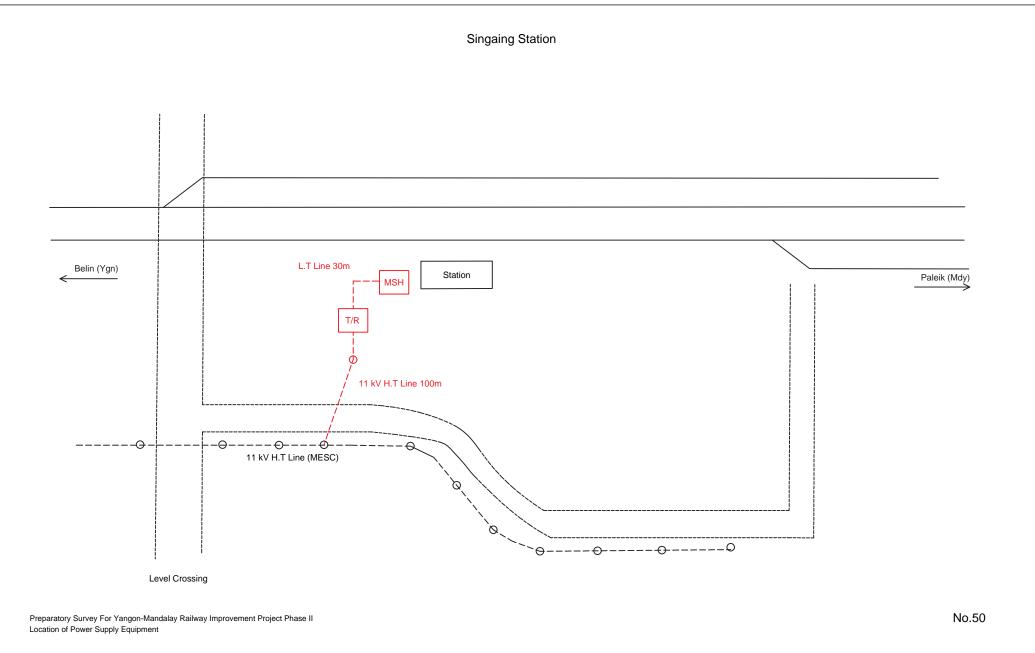
Preparatory Survey For Yangon-Mandalay Railway Improvement Project Phase II Location of Power Supply Equipment

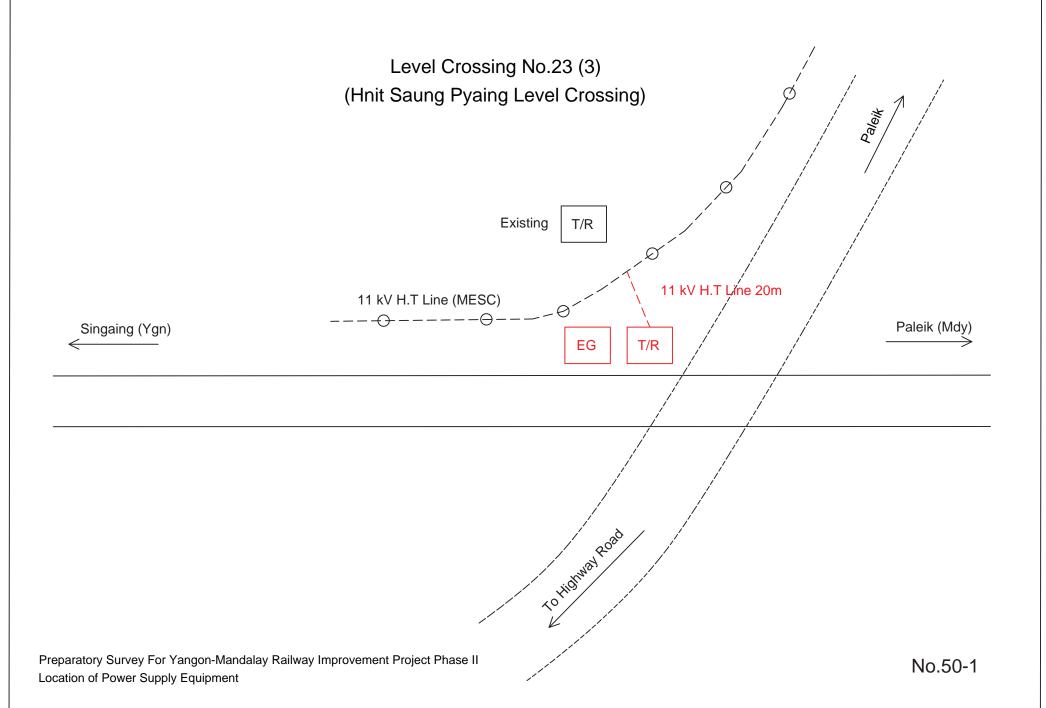
No.46



Kyause Station Φ Belin (Mdy) Minzu (Ygn) Ф \leftarrow L.T Line 20m Φ Kyauk Se Station MSH T/R Ψ Level Crossing 11 kV H.T Line 50m _____ 11 kV Existing H . T Line -0-- — — — ------------Preparatory Survey For Yangon-Mandalay Railway Improvement Project Phase II No.48 Location of Power Supply Equipment

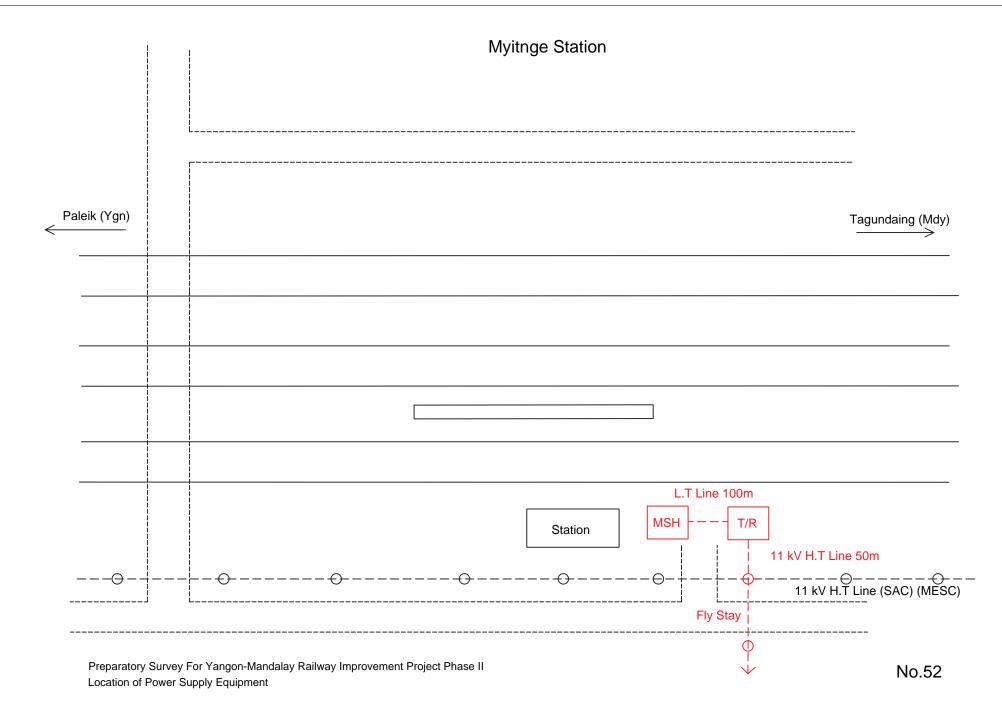


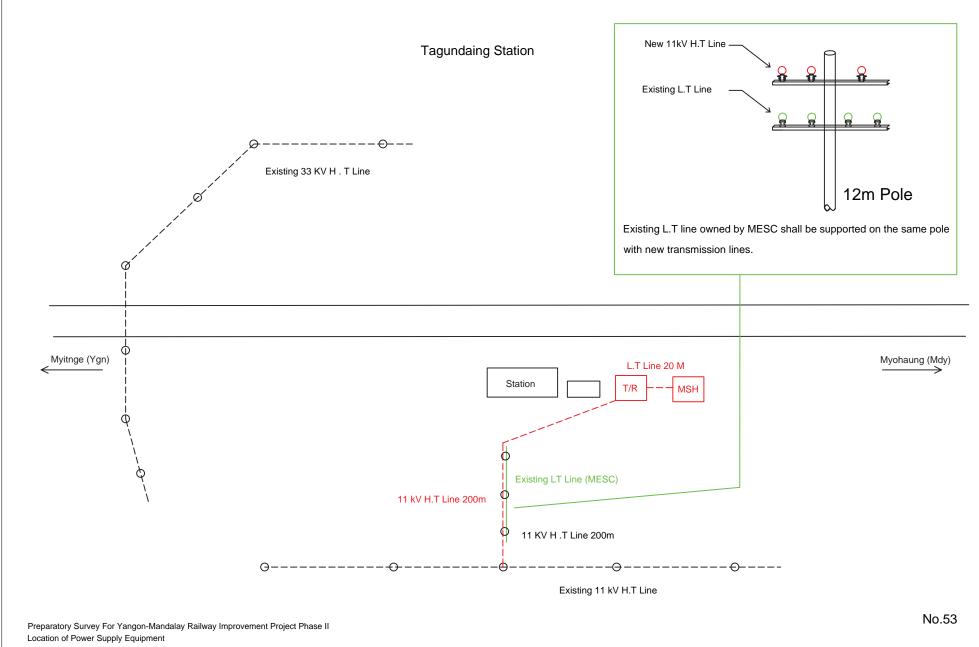


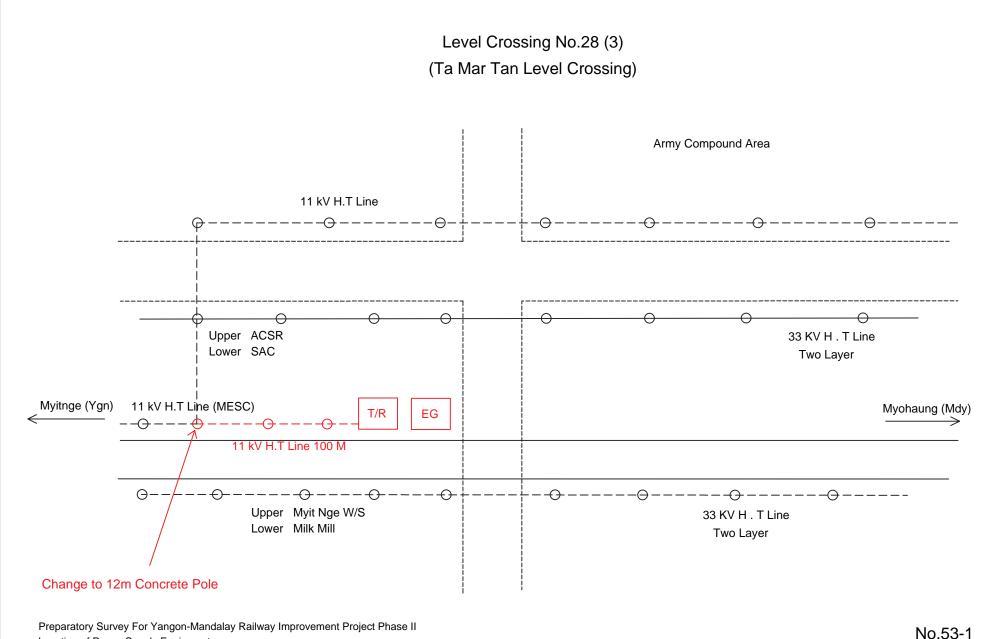


Paleik Station Plan 2 L.T Line 200m -0-• O G T/R MSH T/R OFC Station Plan 2 Plan 1 11 kV H.T Line 300m L.T Line 20m Singaing (Ygn) Myitnge (Mdy) Plan 1 11 kV H.T Line 150m 11 kV H.T Line (ESE) (Future Plan) Main Road Main Road -------Ø -0-А 11 kV H . T Line Preparatory Survey For Yangon-Mandalay Railway Improvement Project Phase II Location of Power Supply Equipment

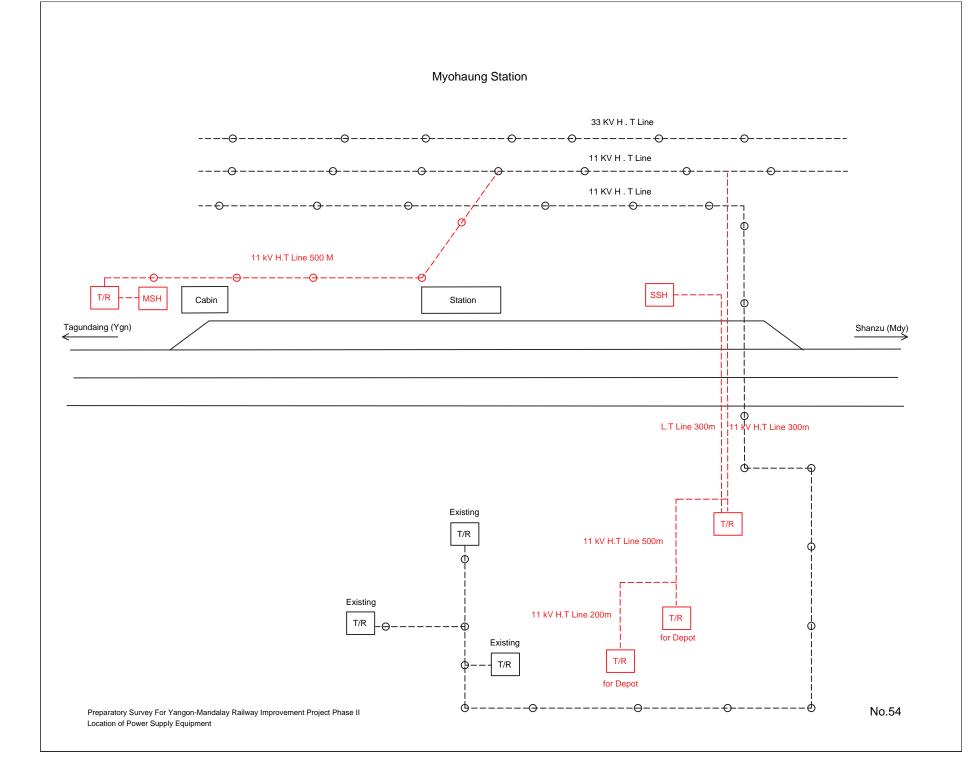
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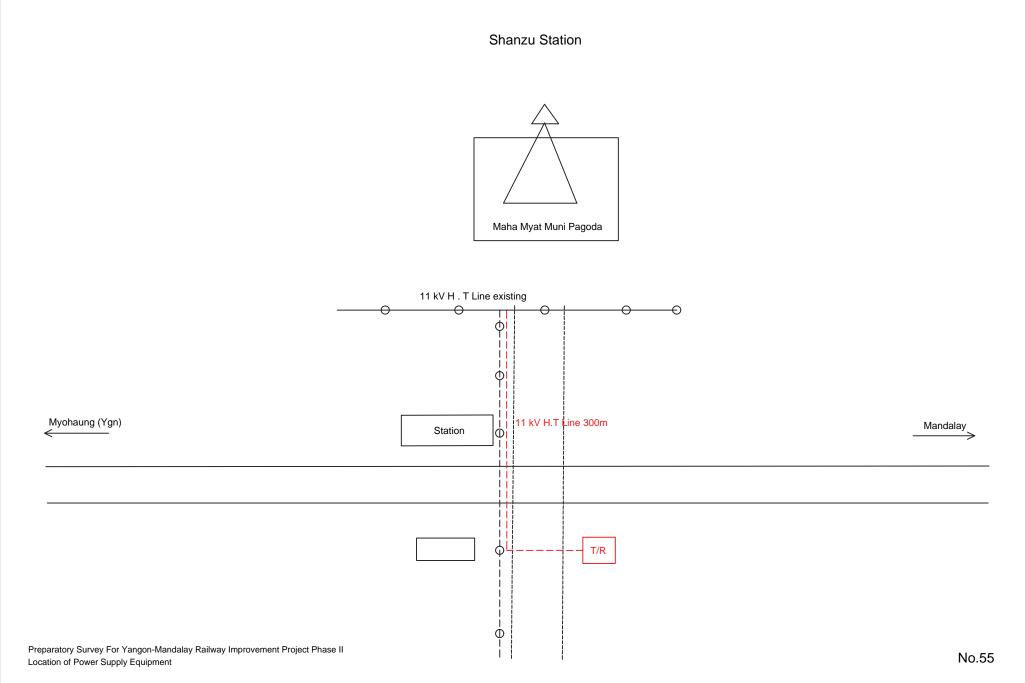


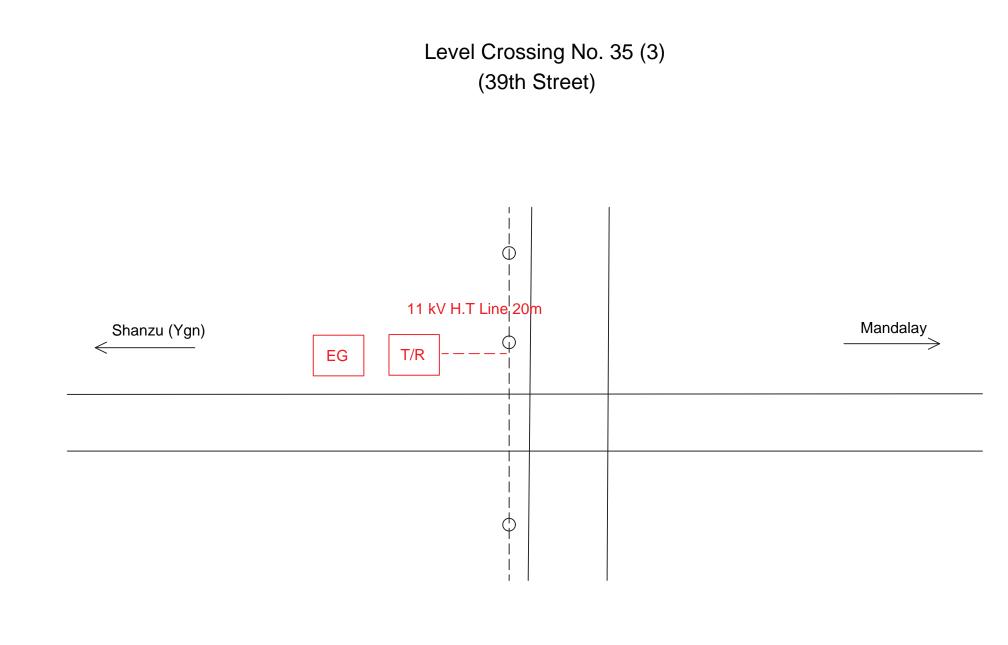




Location of Power Supply Equipment



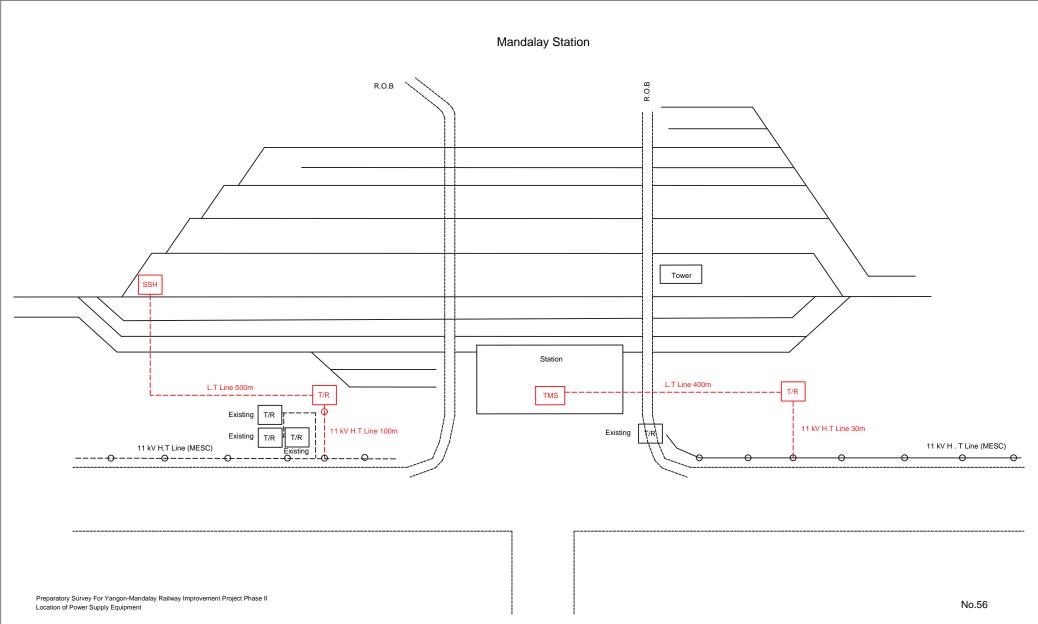




Preparatory Survey For Yangon-Mandalay Railway Improvement Project Phase II Location of Power Supply Equipment

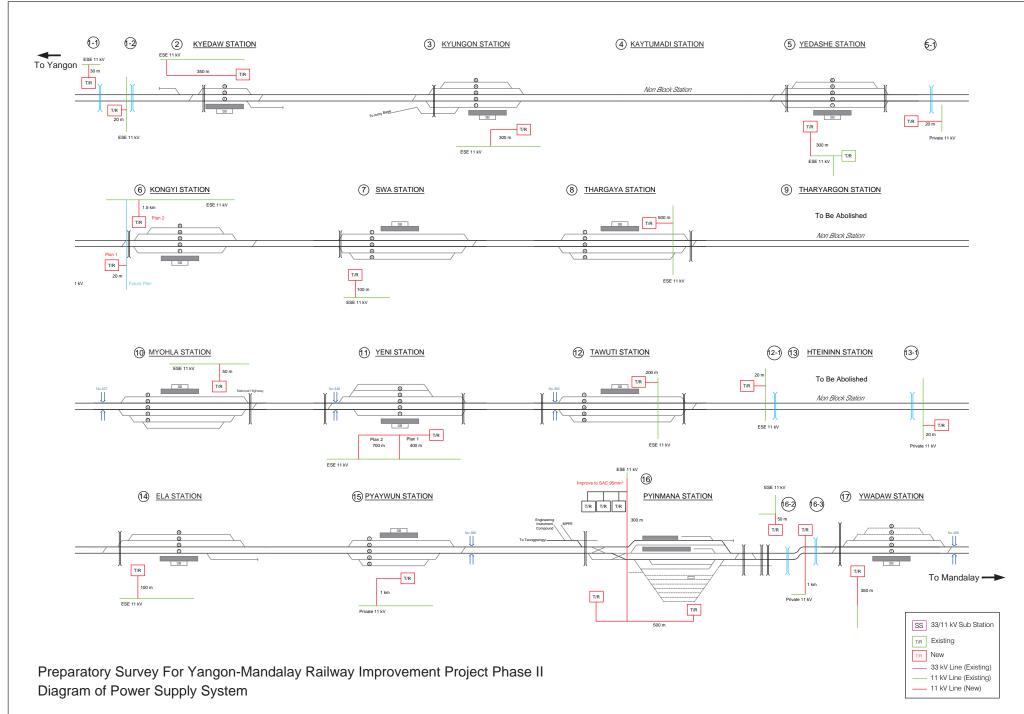
Appendix5.16.1-63

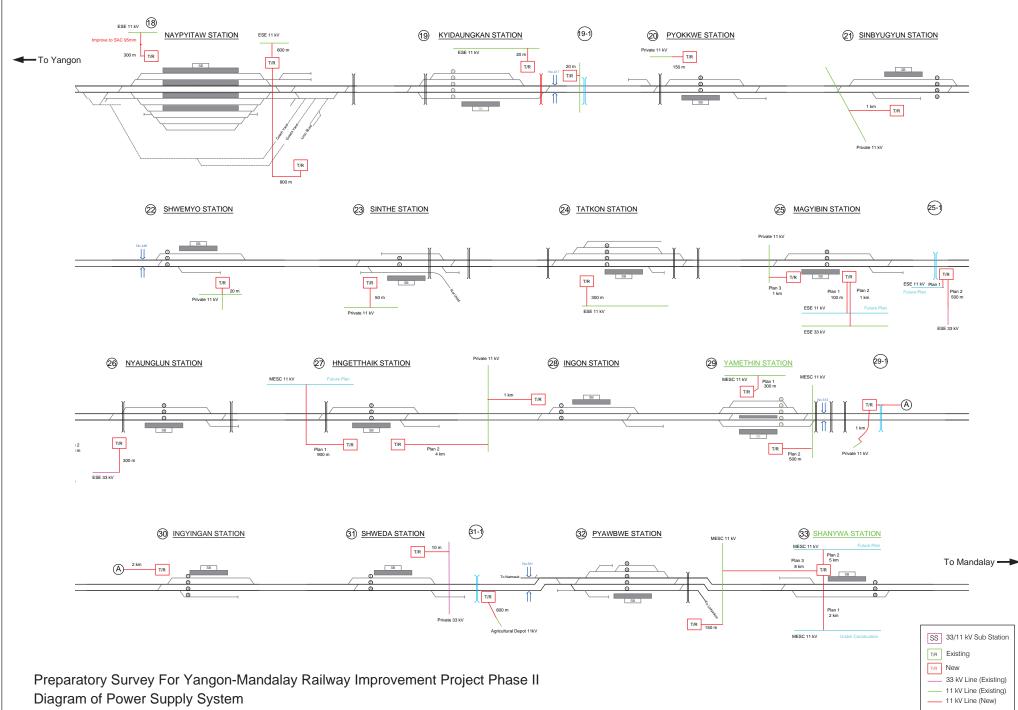
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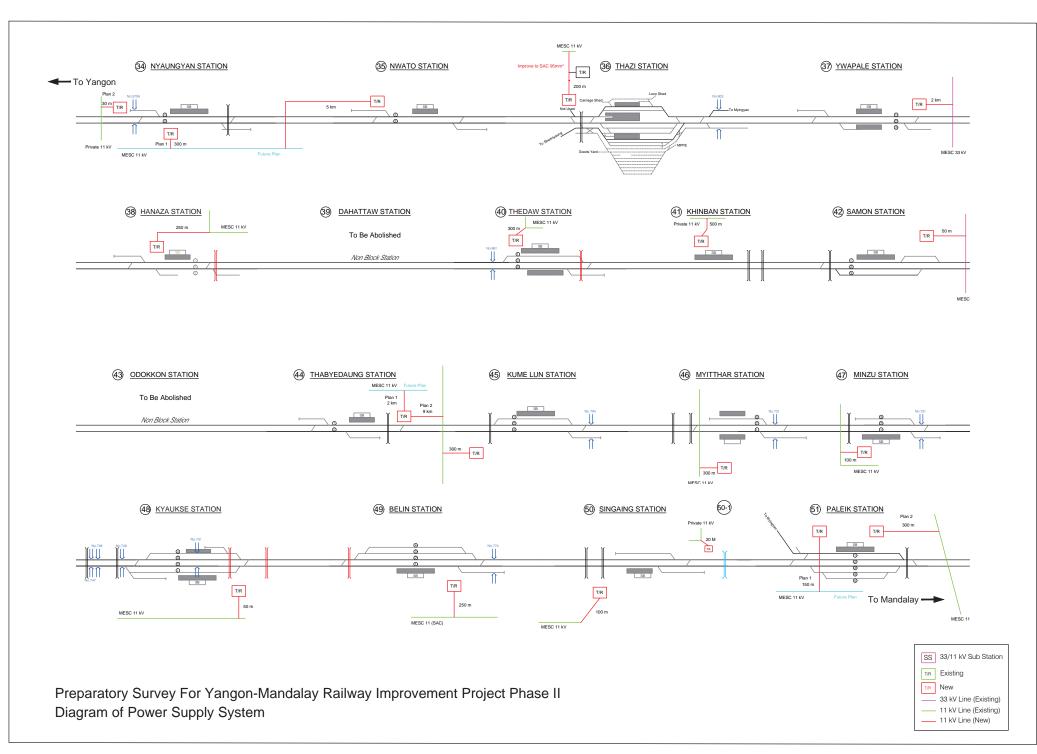


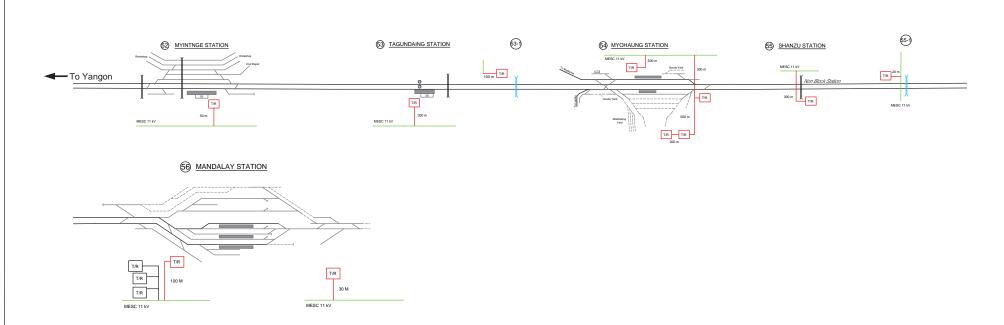
APPENDIX 5.16.2

Diagram of Power Supply System









 SS
 33/11 kV Sub Station

 Trin
 Existing

 Tim
 New

 33 kV Line (Existing)
 11 kV Line (Existing)

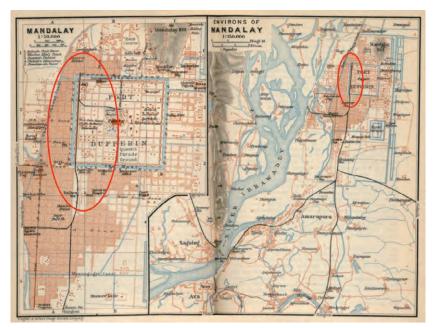
 11 kV Line (New)
 11 kV Line (New)

Preparatory Survey For Yangon-Mandalay Railway Improvement Project Phase II Diagram of Power Supply System

APPENDIX 5.17

Proposal of Urban Development Plan for Regional Cities, Mandalay Pathein and Mawlamyine. "Proposal of Urban Development Plan for Regional Cities -Mandalay, Pathein and Mawlamyine-, 2016, JICA"

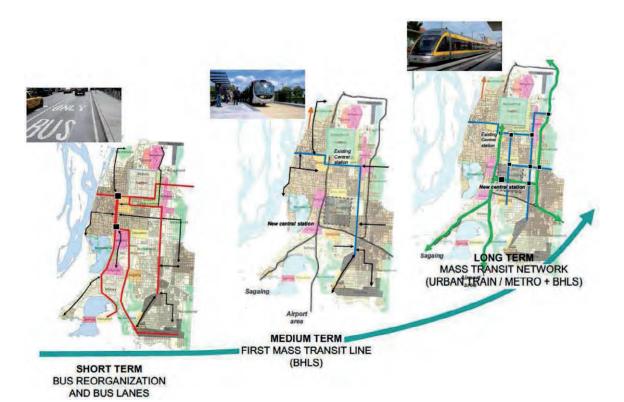
Disused Line in Royal Palace



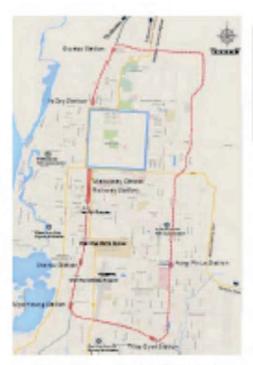
➢ BRT Plan



Future Urban Transport Plan



Commuter Railway Development Plan



(Urban Railway Track in Mandalay)

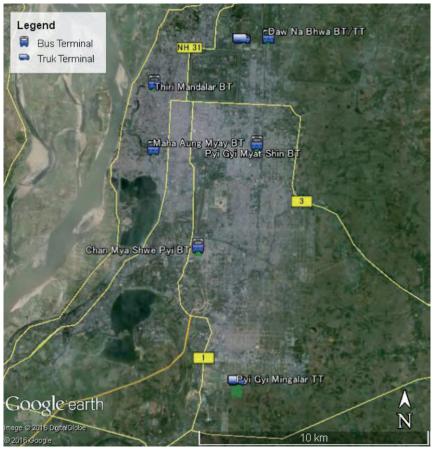


(Current Condition: Railway Track and Station)



(Image of LRT: LRT in Sappore City)

Existing Bus Terminals



Estimated Bus Routes



New CBD Development Project

1. New CBD Development Project

Current Status and Issues	The site of the old airport in Mandalay City is currently dysfunctional and underutilized. The site occupies a prime location in the center of Mandalay City in close proximity to the lakes, the Mahamuni Paya, the University of Mandalay as well as the IT University. The city lacks an organized and modern CBD. There is no space where the citizens of Mandalay City can go for leisure, shopping, or cultura activity. This site has the potential to be developed as a modern and well planned CBD which is well serviced by the future railway station. The old railway depot can be a future extension of this CBD.
Purpose	To develop the old airport site into a CBD, culture and leisure destination:
Main Scope	 Development of a central CBD and a leisure space for citizens To create a central park surrounded by malls, hotels, office towers, cultural spaces, and new cultural landmarks like art museums, libraries, and interpretation centers. Strengthening the tourist potential of Mandalay City by creating a zone of hotels, outdoor eating streets, cafes, and other tourist facilities.



