Appendix C

Single Line Diagram of Distribution System

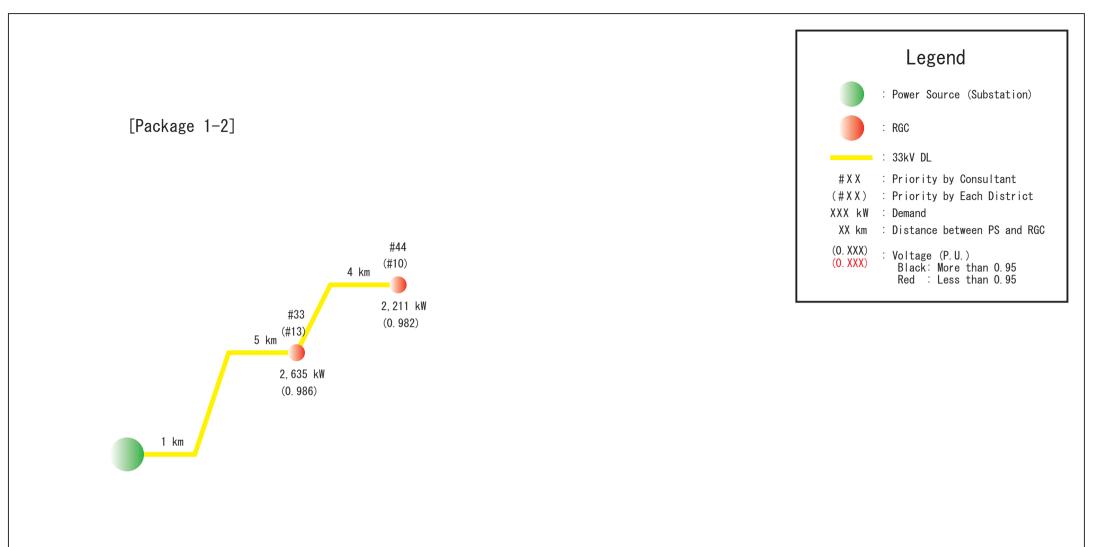
C - 1

Single Line Diagram Extended from Additional Substation by Consultant

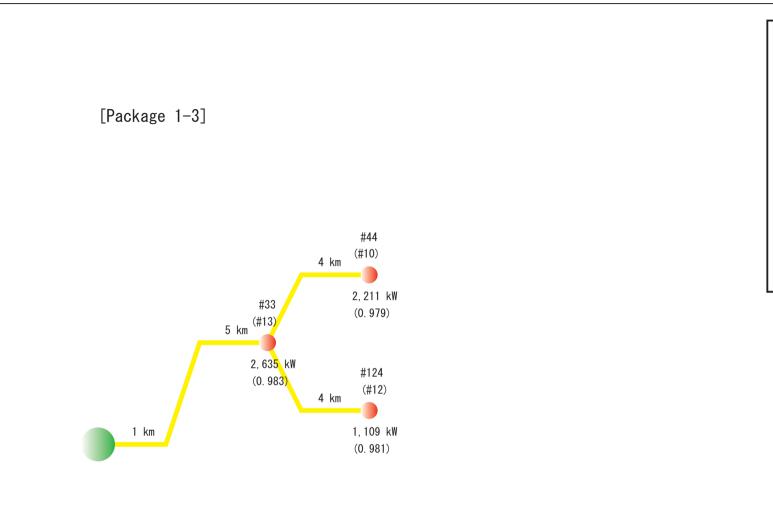


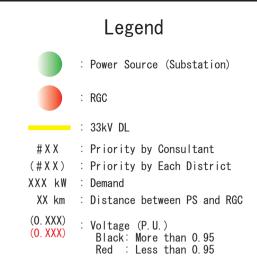
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-		the Rural Electrification Master Plan in Zambia	Title
	ZESCO	Tokyo Electric Power Company	DL System Feeder 1 (P

DL System at Azele1 SS Feeder 1 (Package 1-1)

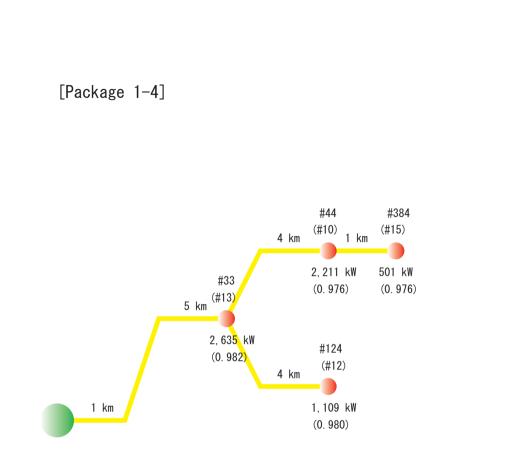


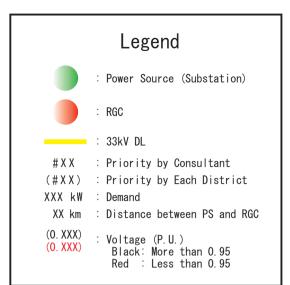


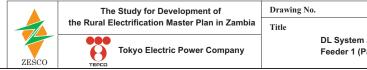




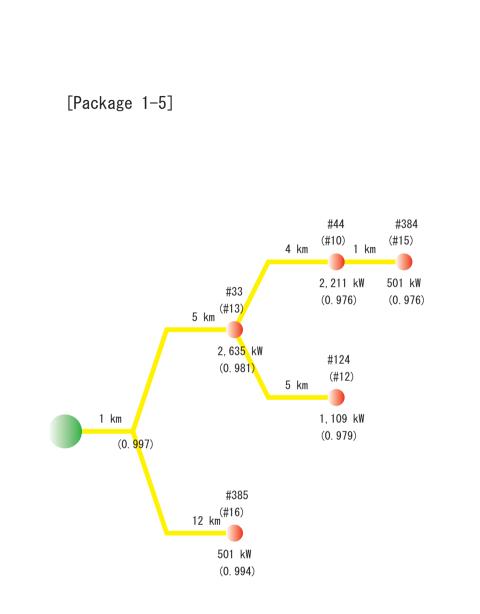
Drawing No. The Study for Development of the Rural Electrification Master Plan in Zambia Title DL System at Azele1 SS Tokyo Electric Power Company Feeder 1 (Package 1-3) ZESCO

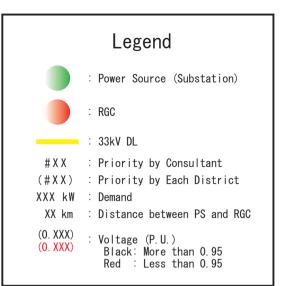






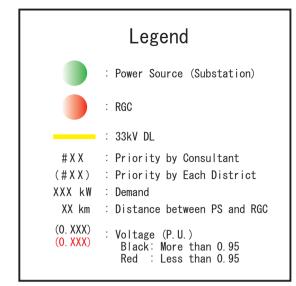
DL System at Azele1 SS Feeder 1 (Package 1-4)



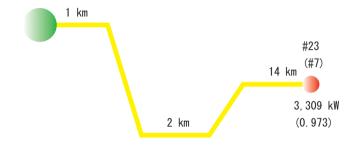


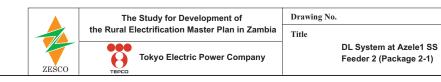


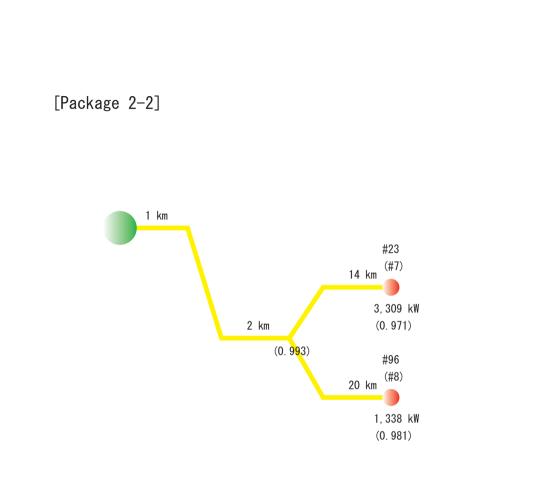
DL System at Azele1 SS Feeder 1 (Package 1-5)

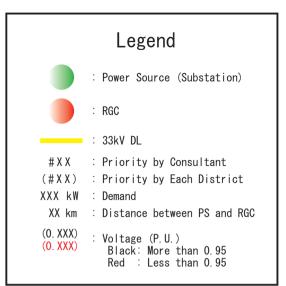


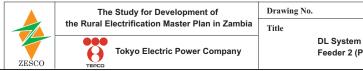
[Package 2-1]



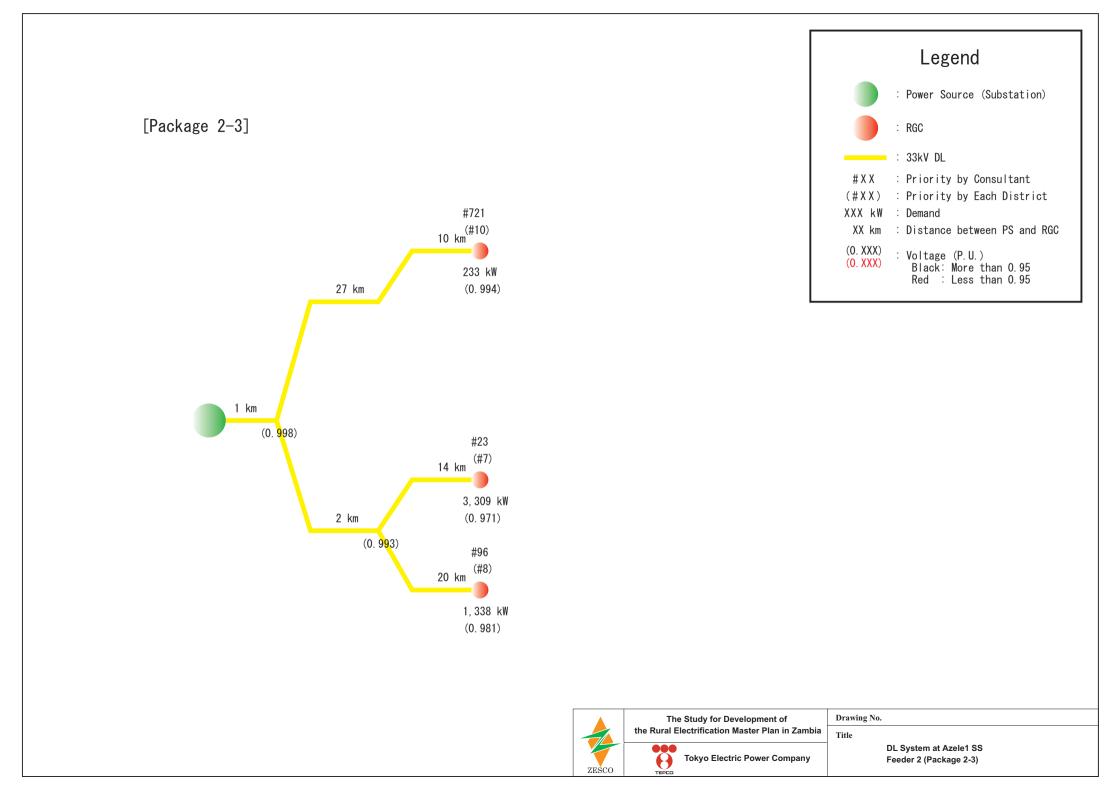


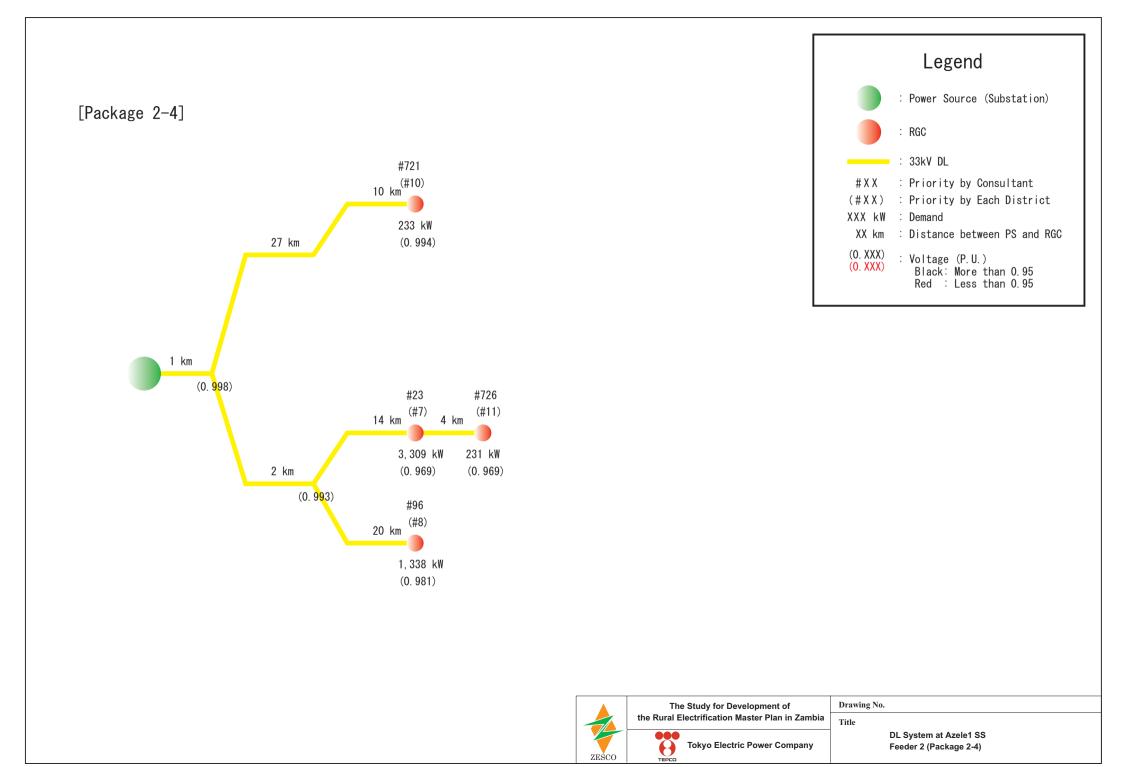


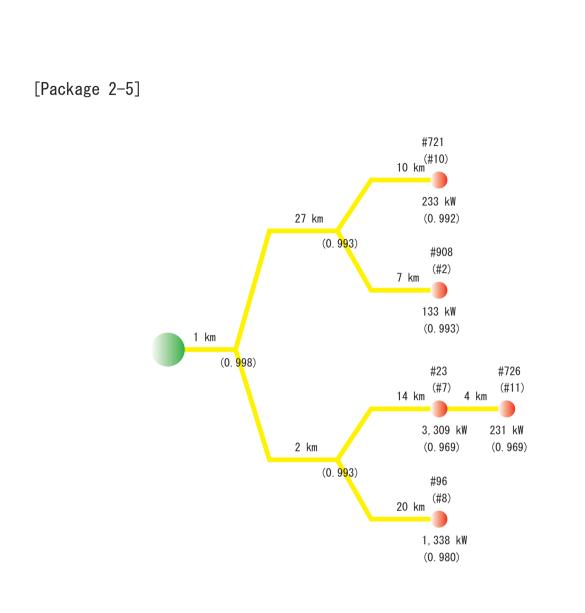


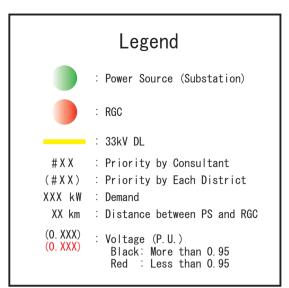


DL System at Azele1 SS Feeder 2 (Package 2-2)



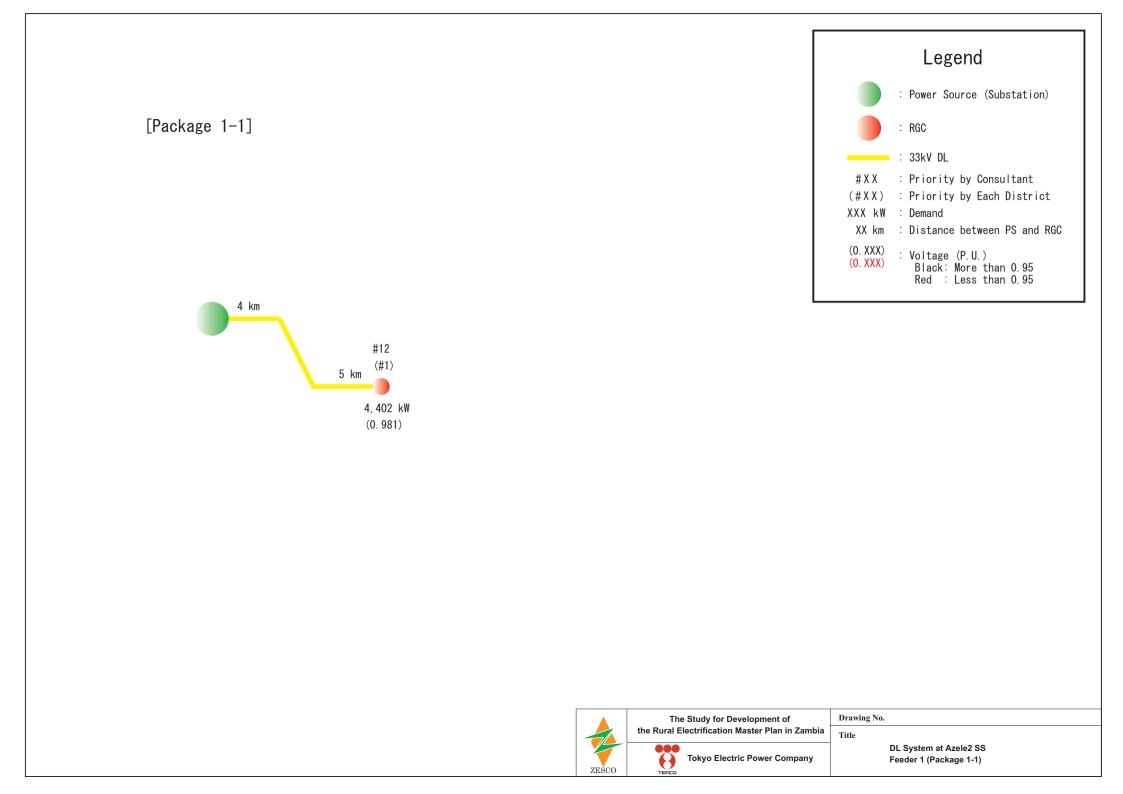


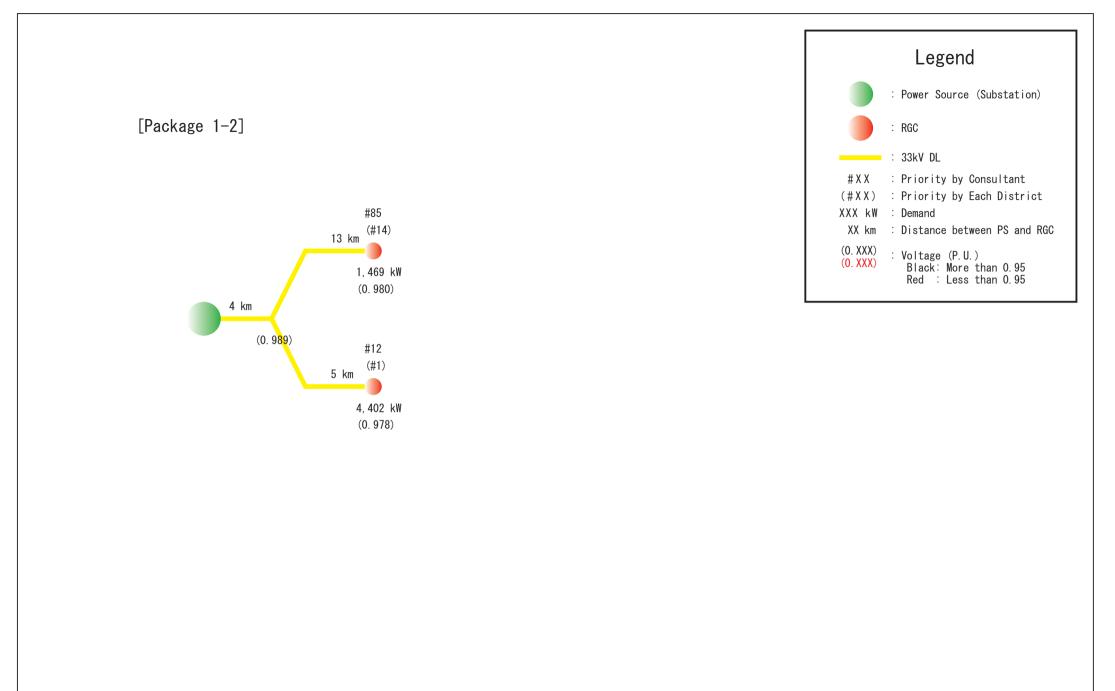






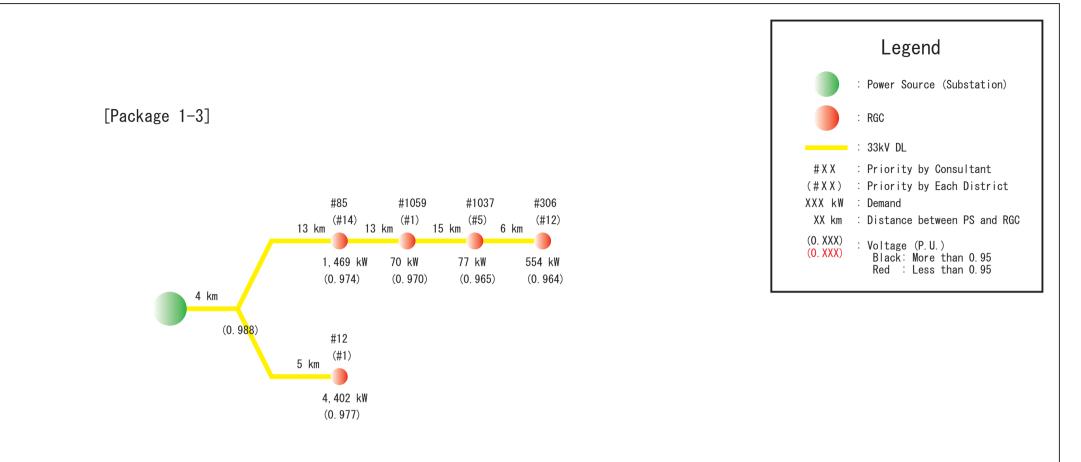
Feeder 2 (Package 2-5)





	ZESCO	The Study for Development of the Rural Electrification Master Plan in Zambia	Drawing No. Title
		Tokyo Electric Power Company	DL Syster Feeder 1 (

DL System at Azele2 SS Feeder 1 (Package 1-2)

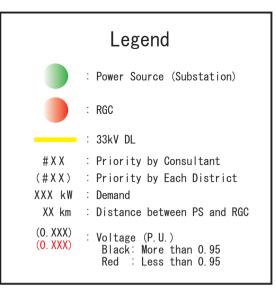




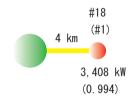
DL System at Azele2 SS Feeder 1 (Package 1-3)



	The Study for Development of the Rural Electrification Master Plan in Zambia	Drawing No.
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[Package 1-1]



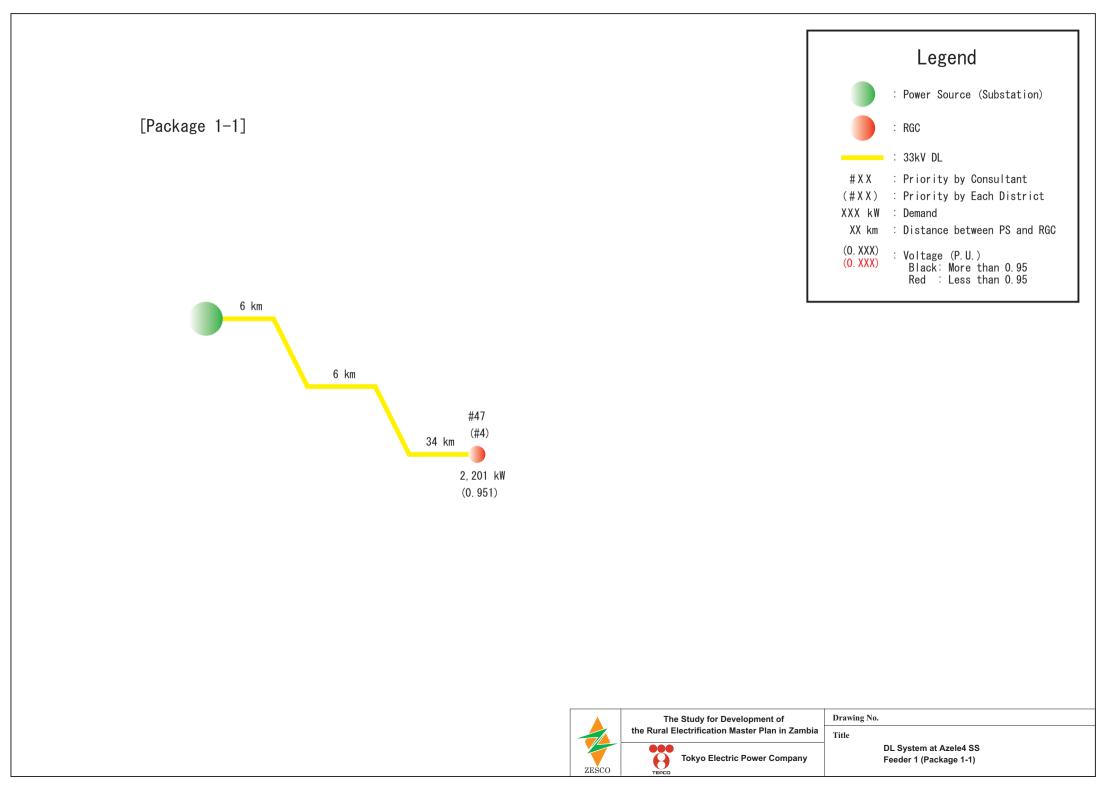


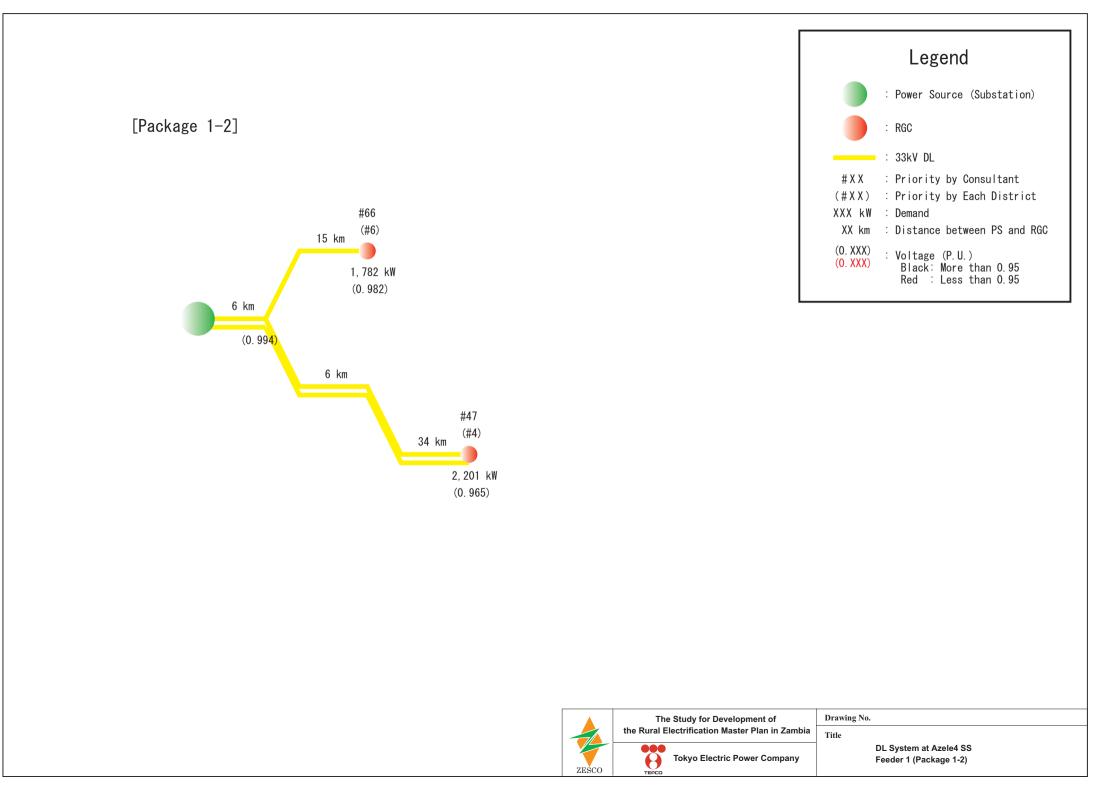


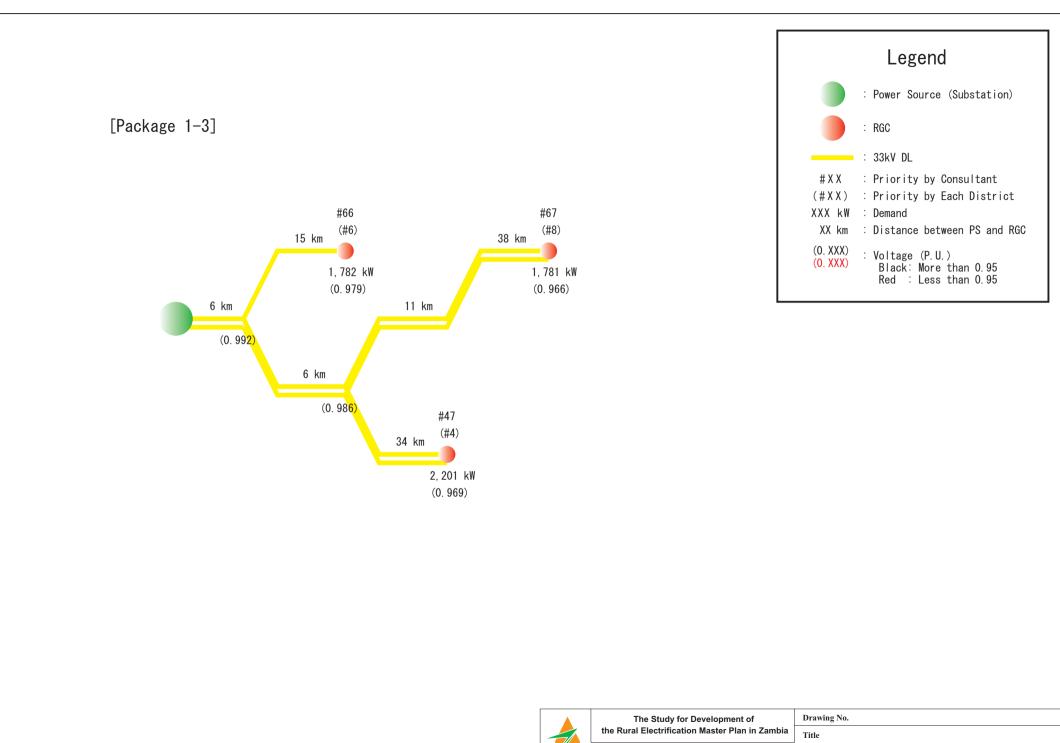
	The Study for Development of the Rural Electrification Master Plan in Zambia	Drawing No.		
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ZESCO	TEPCO			



	The Study for Development of the Rural Electrification Master Plan in Zambia	Drawing No.		
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ZESCO	Токуо	Electric Power Company		DL System at Azele3 SS Feeder 2 (Package 2-1)





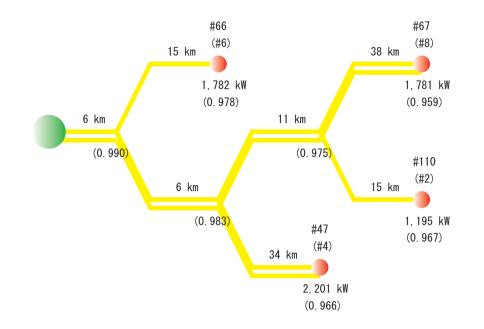


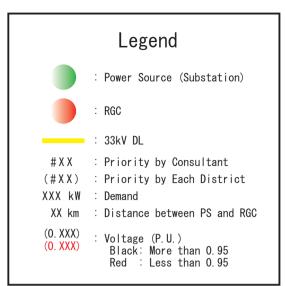
ZESCO

Tokyo Electric Power Company

DL System at Azele4 SS Feeder 1 (Package 1-3)



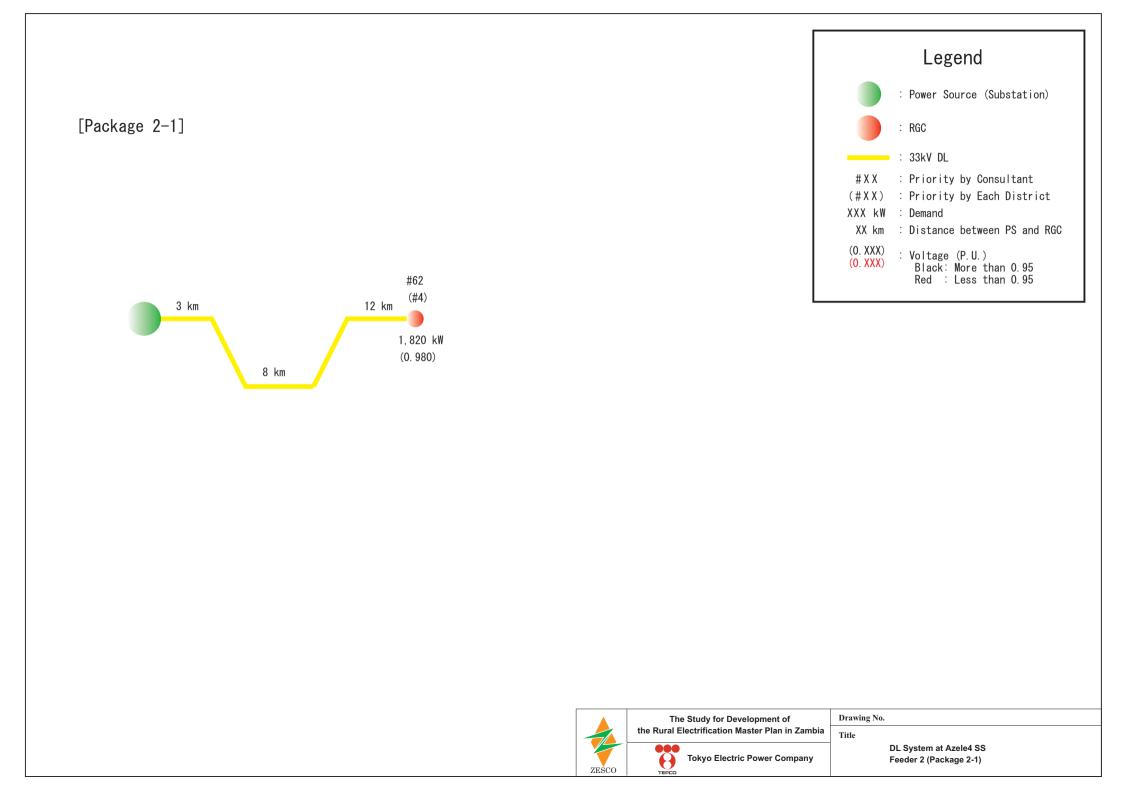


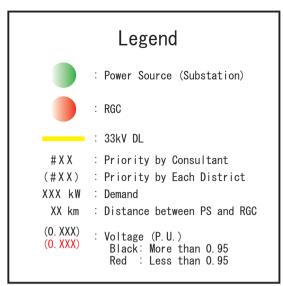


 The Study for Development of the Rural Electrification Master Plan in Zambia
 Drawing No.

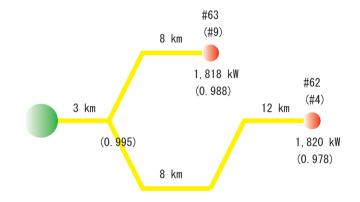
 Title
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 DL System at Azele4 SS Feeder 1 (Package 1-4)

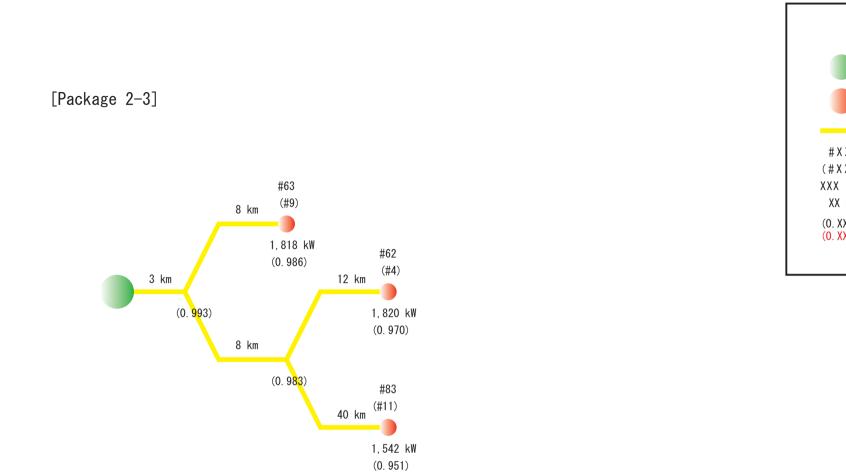


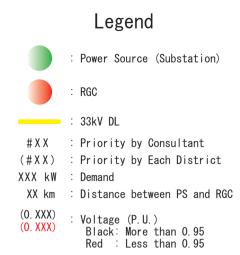


[Package 2-2]



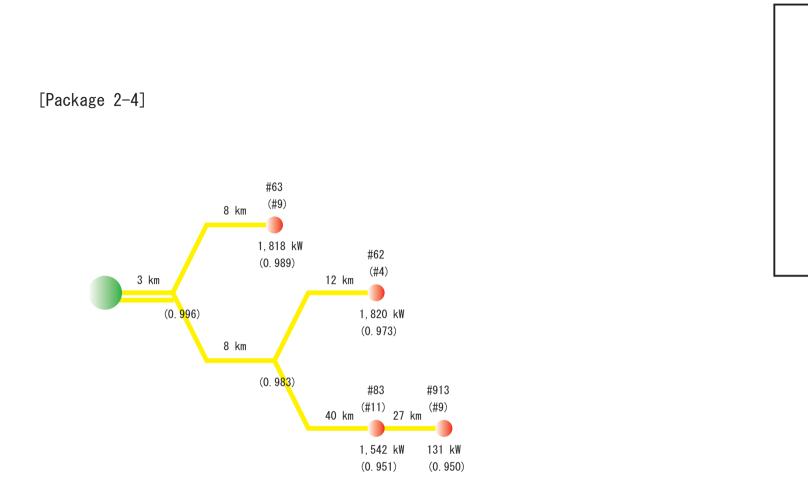




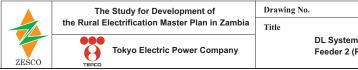




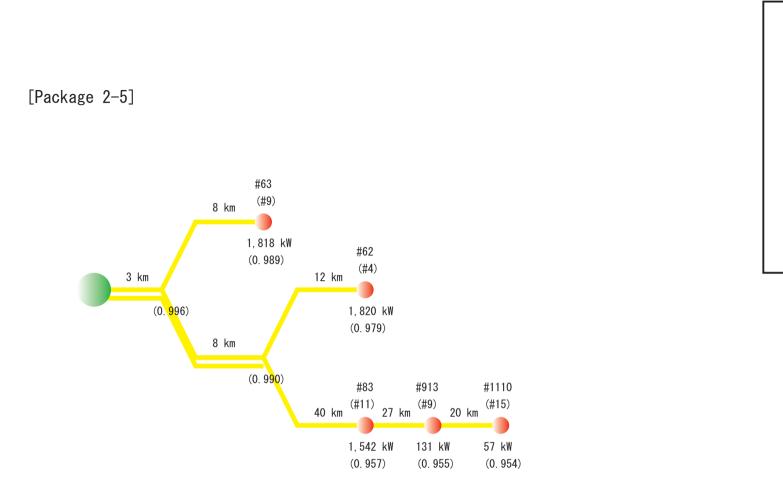
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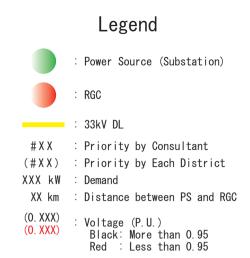






DL System at Azele4 SS Feeder 2 (Package 2-4)



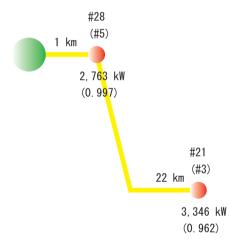


 The Study for Development of the Rural Electrification Master Plan in Zambia
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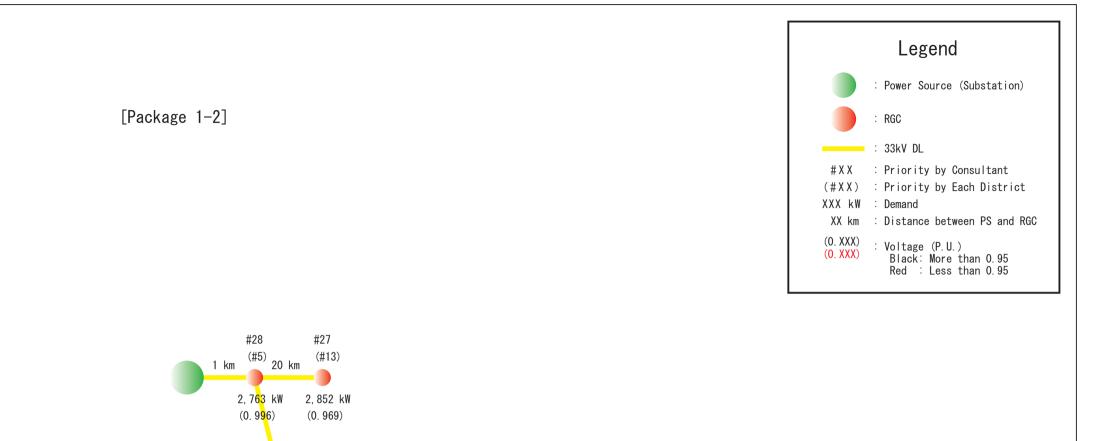
 Title
 Title

 DL System at Azele4 SS Feeder 2 (Package 2-5)





		The Study for Development of the Rural Electrification Master Plan in Zambia	Drawing No.	
			Title	
	ZESCO	Tokyo Electric Power Company	DL System at Azele5 SS Feeder 1 (Package 1-1)	



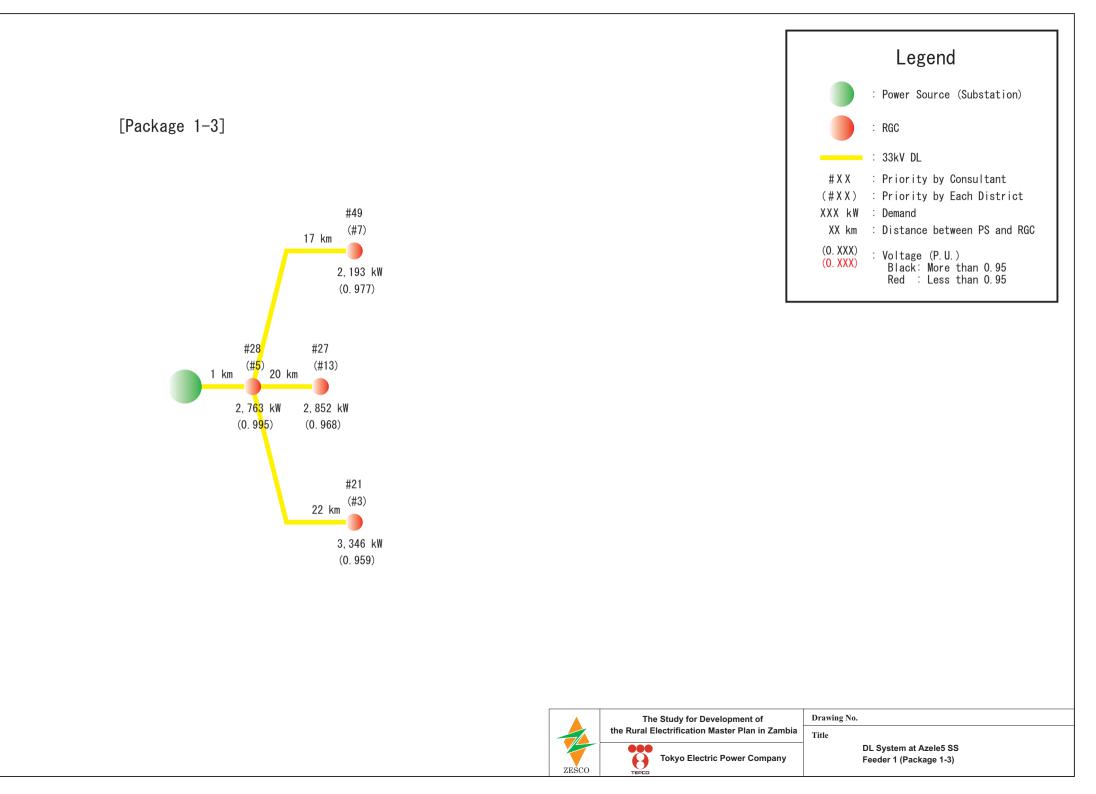
#21 (#3)

3,346 kW (0.960)

22 km



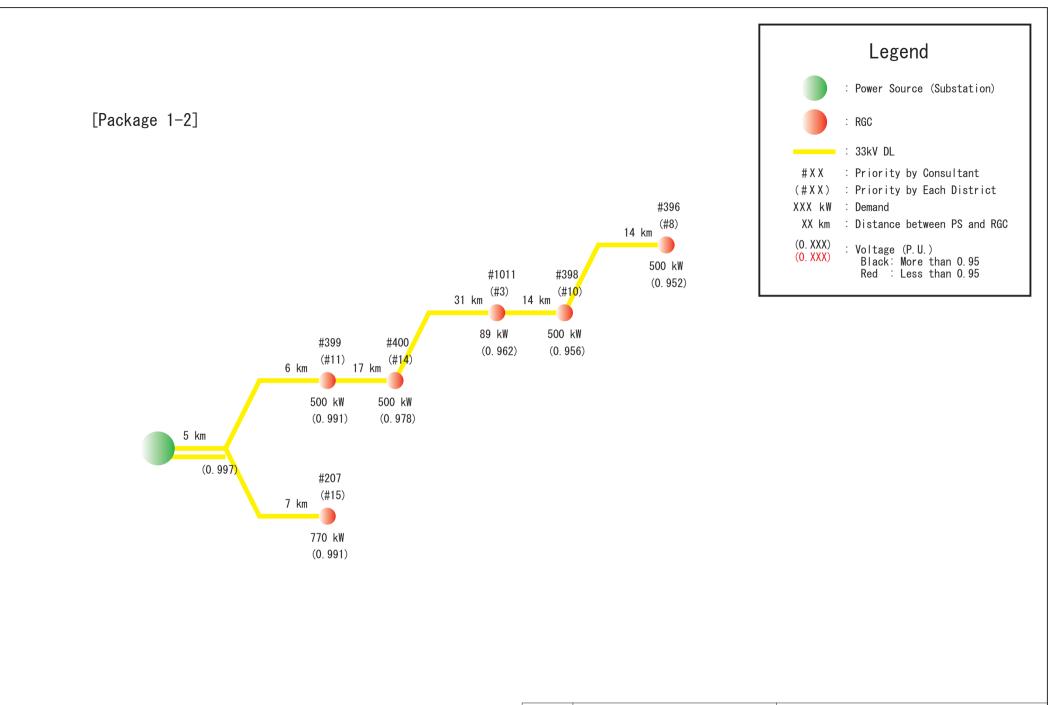
DL System at Azele5 SS Feeder 1 (Package 1-2)











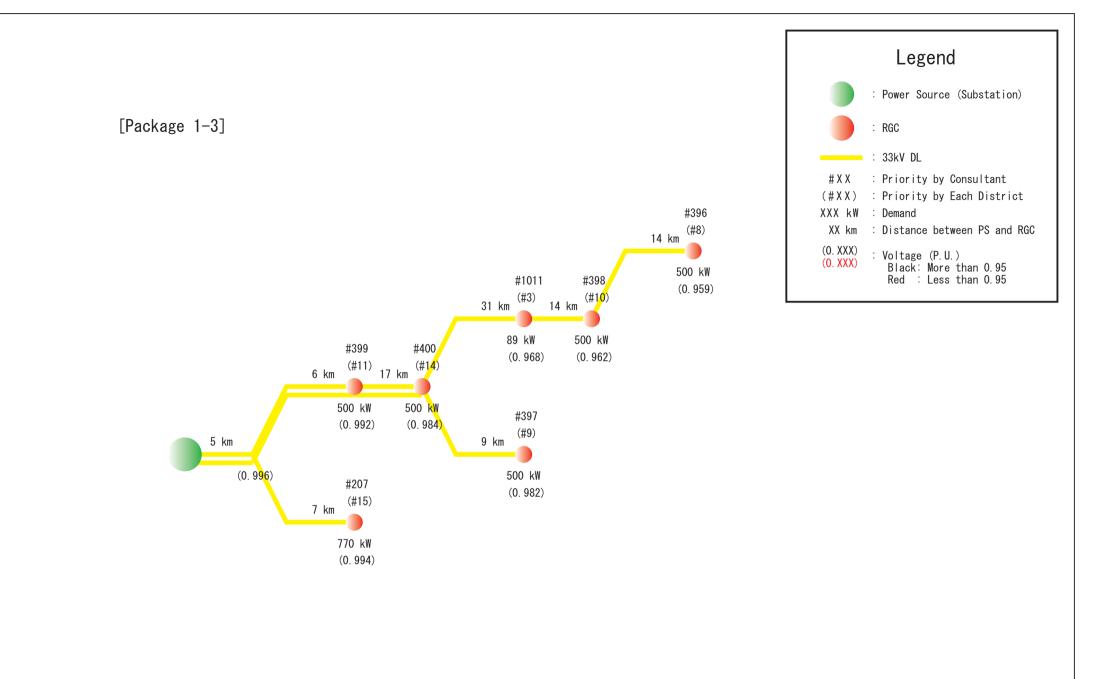
 The Study for Development of the Rural Electrification Master Plan in Zambia

 Electric
 Tokyo Electric Power Company

Title

Drawing No.

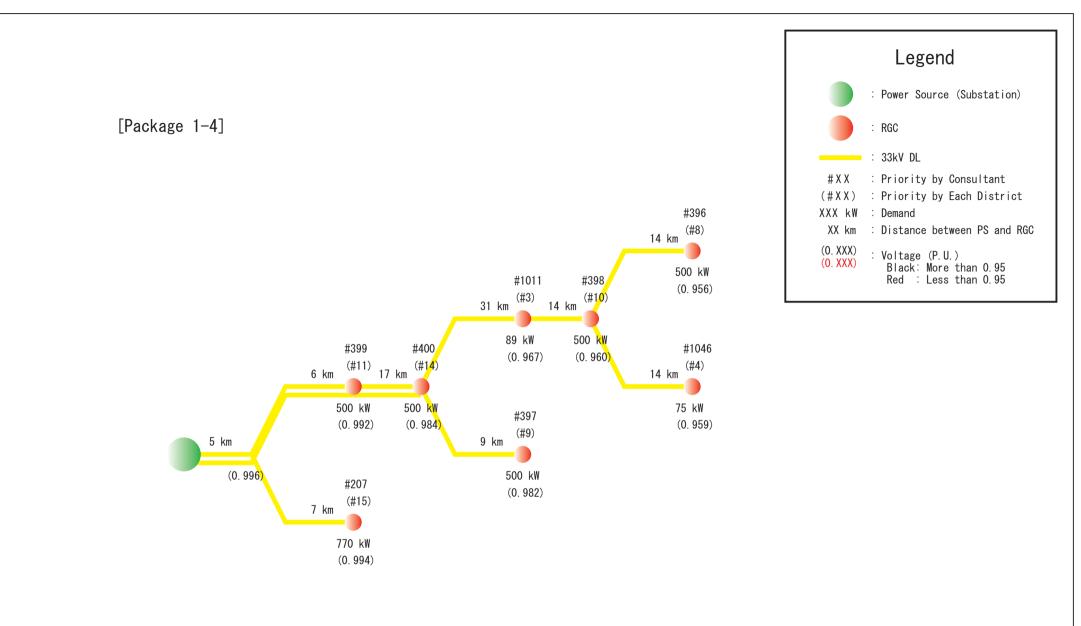
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 The Study for Development of the Rural Electrification Master Plan in Zambia
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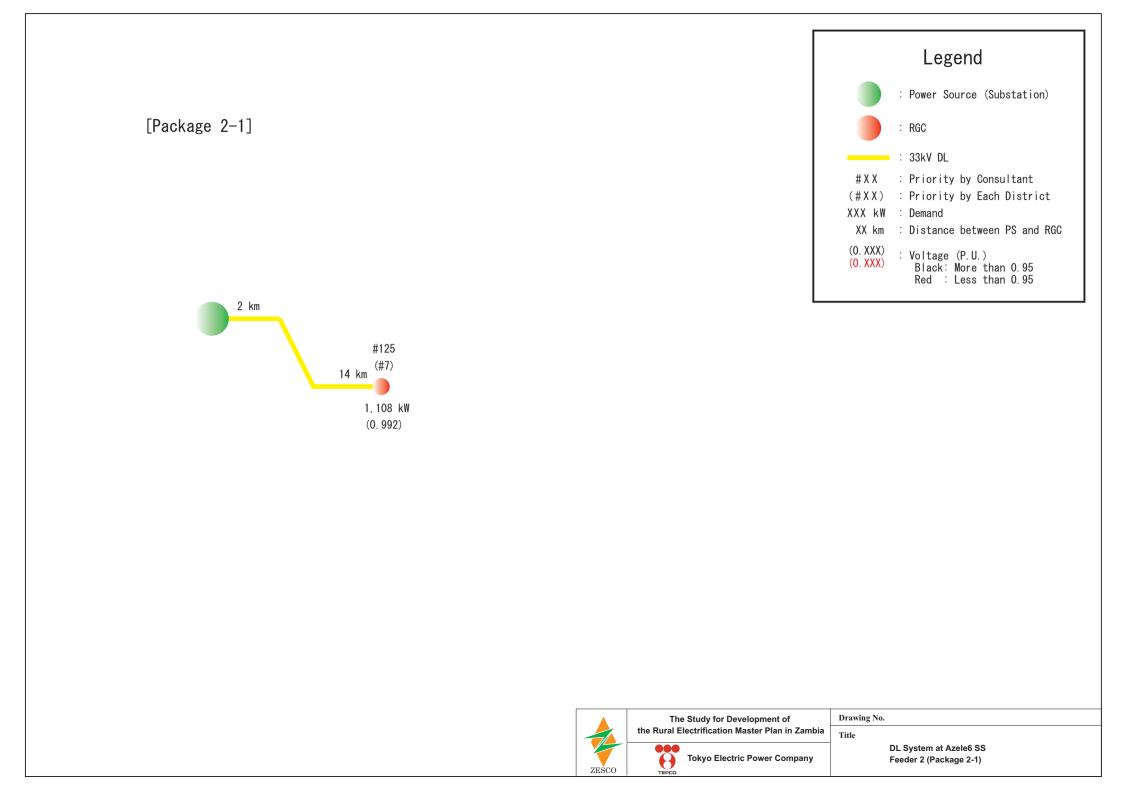
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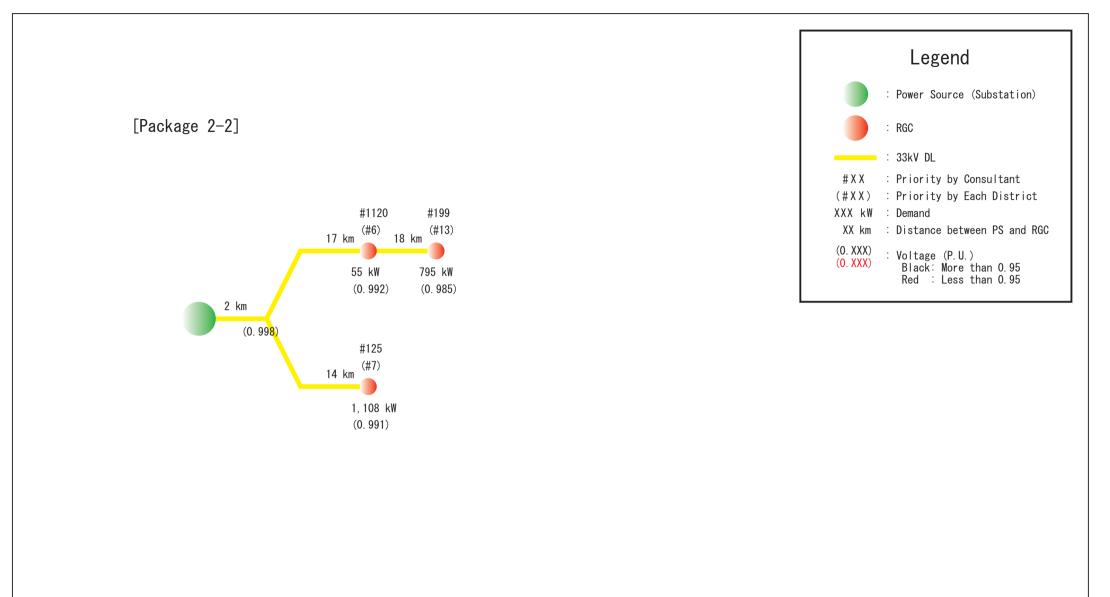
 DL System at Azele6 SS Feeder 1 (Package 1-3)

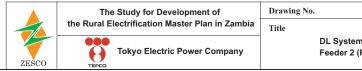


 The Study for Development of the Rural Electrification Master Plan in Zambia
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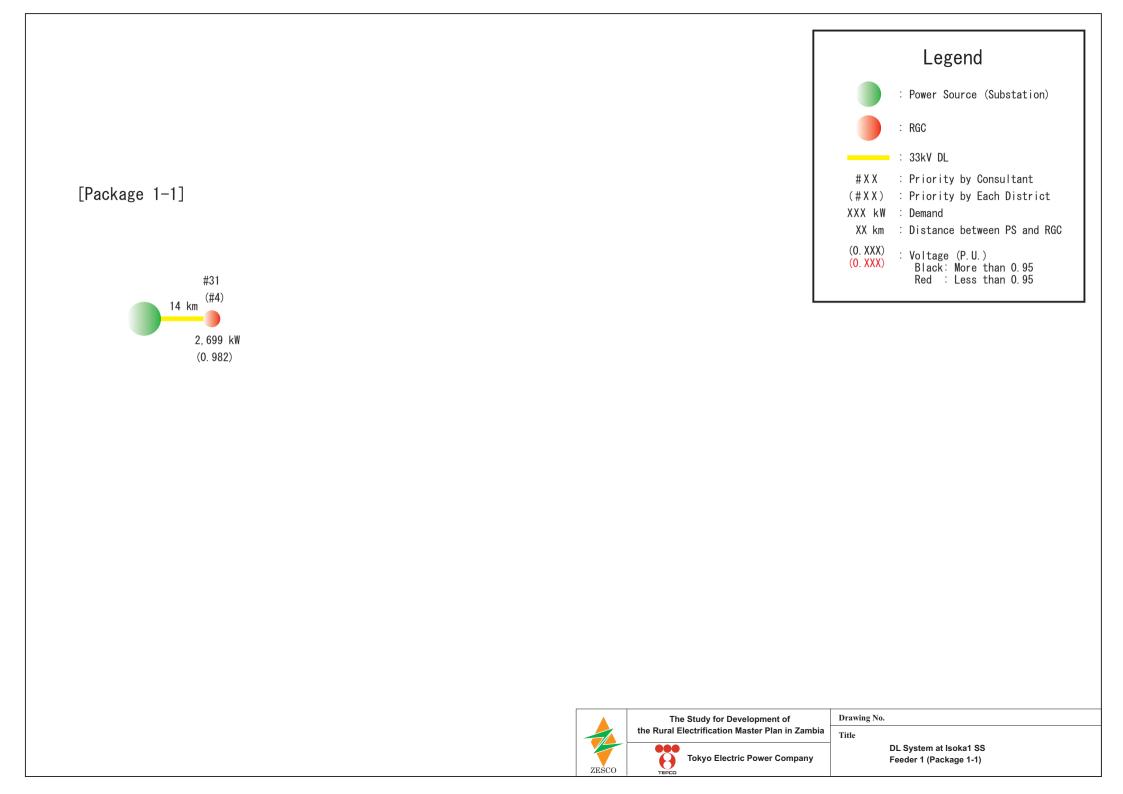
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 DL System at Azele6 SS Feeder 1 (Package 1-4)

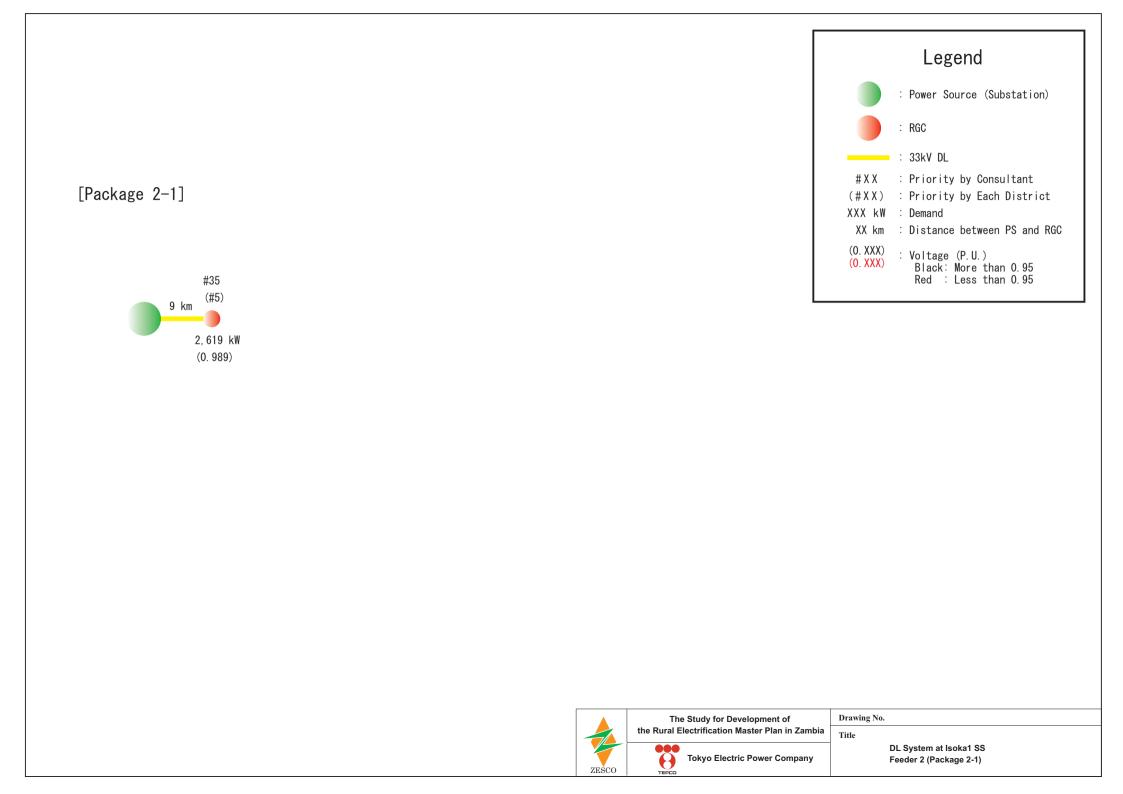


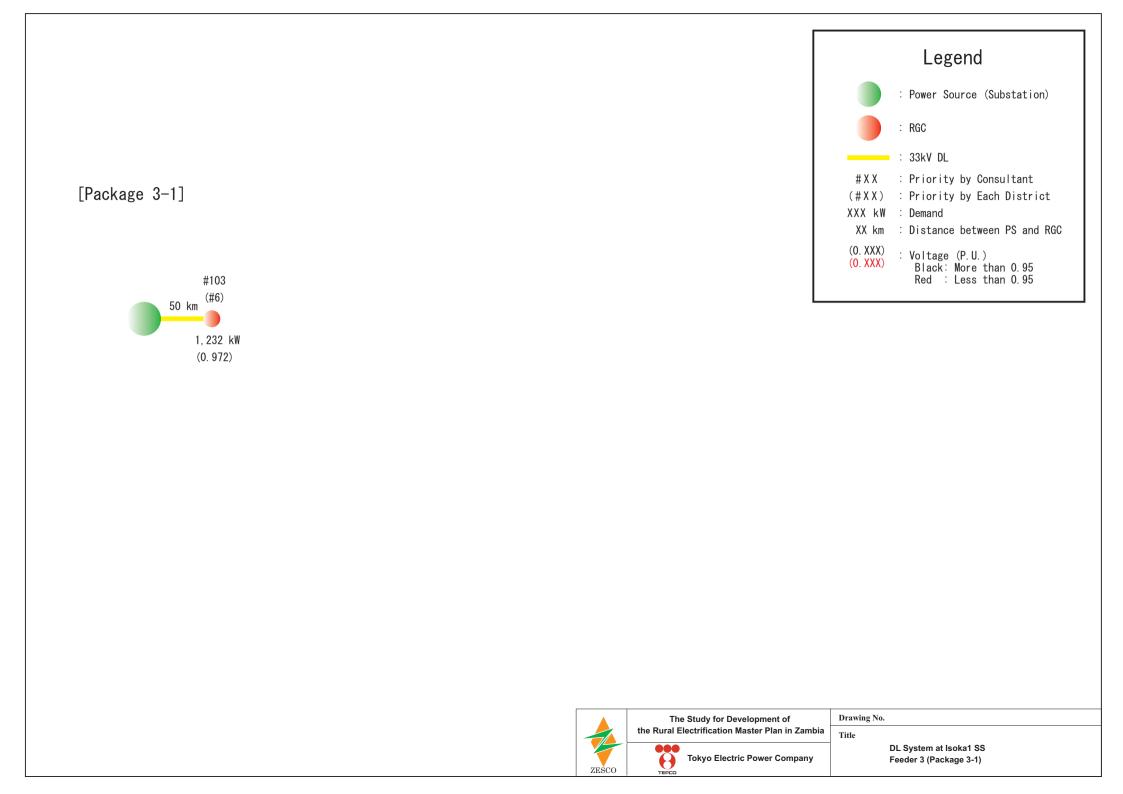




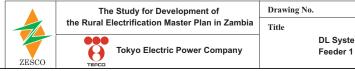
DL System at Azele6 SS Feeder 2 (Package 2-2)



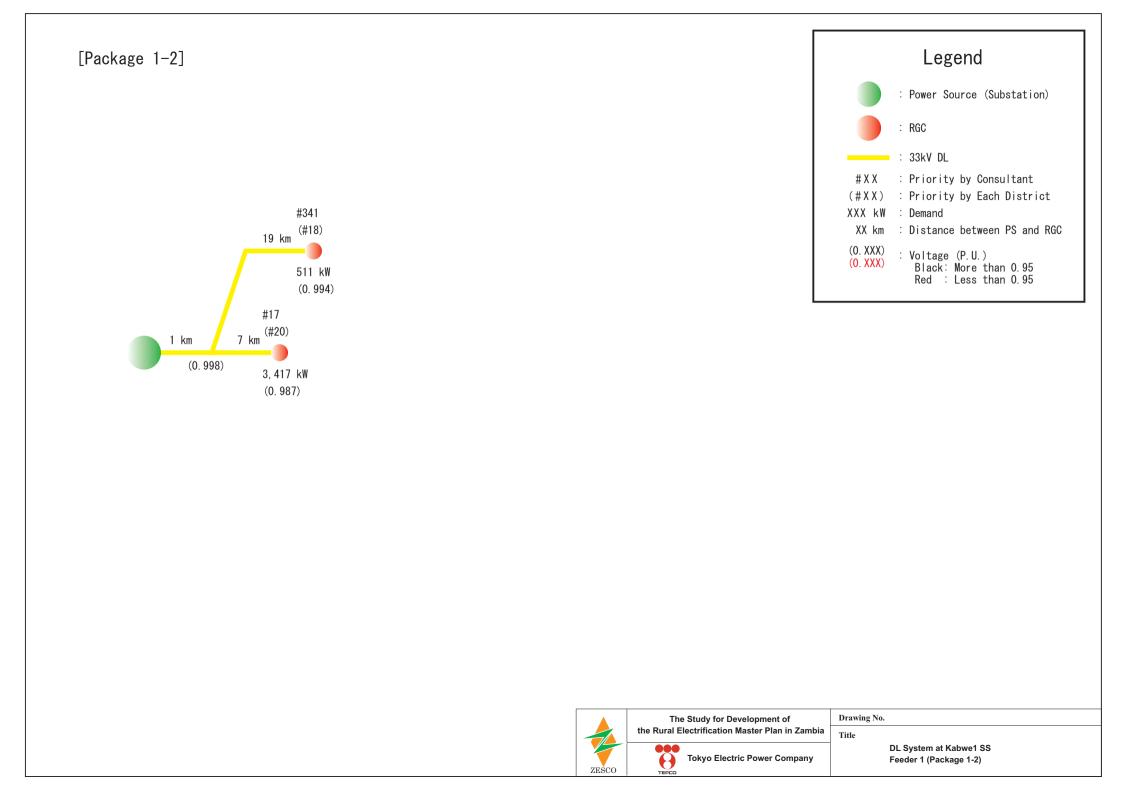


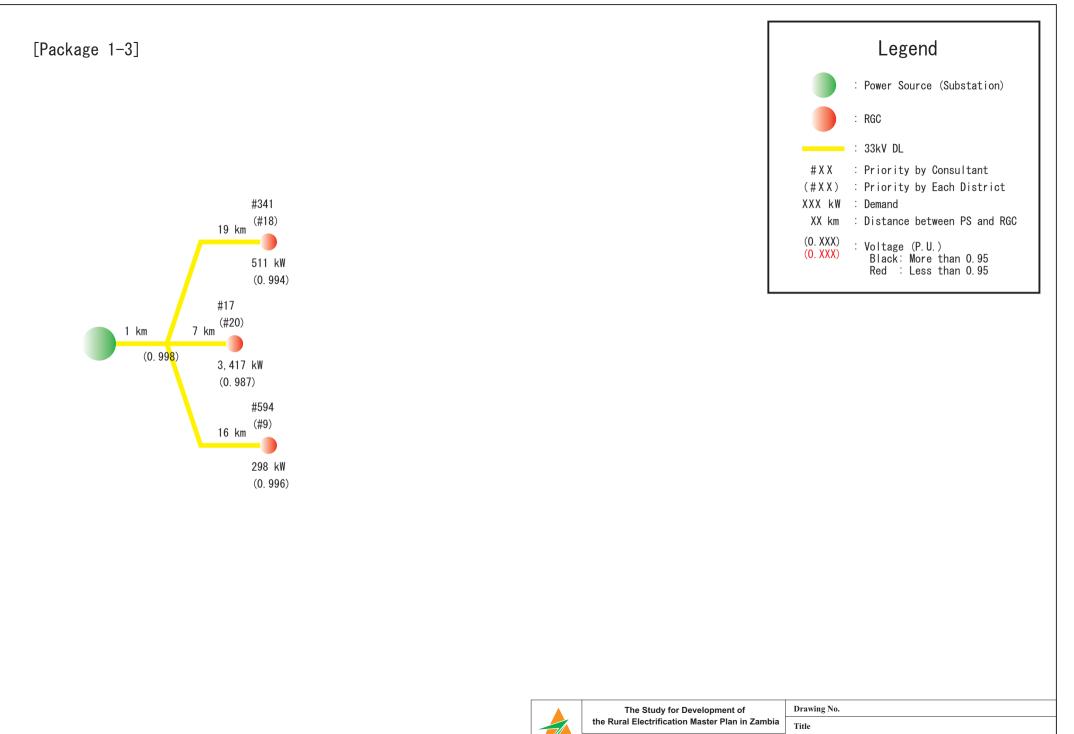


[Package 1-1]	Legend
	: Power Source (Substation)
	: RGC
	: 33kV DL #XX : Priority by Consultant (#XX) : Priority by Each District XXX kW : Demand XX km : Distance between PS and RGC (0.XXX) (0.XXX) : Voltage (P.U.) Black: More than 0.95 Red : Less than 0.95
#17 1 km 7 km (#20) 3, 417 kW (0. 987)	



DL System at Kabwe1 SS Feeder 1 (Package 1-1)



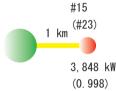


ZESCO

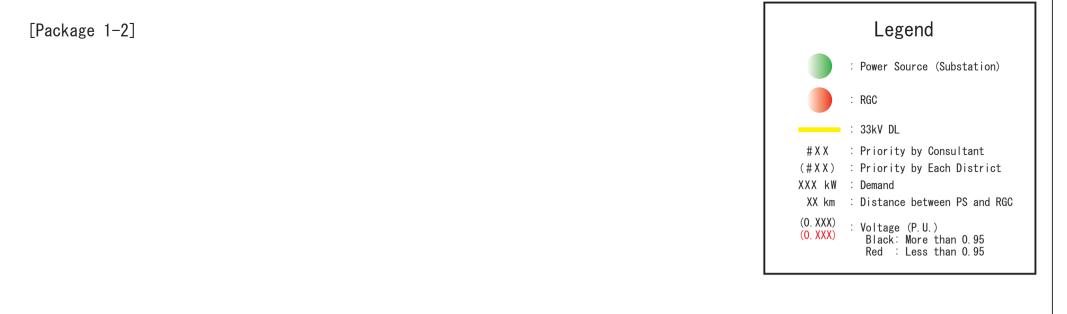
Tokyo Electric Power Company

DL System at Kabwe1 SS Feeder 1 (Package 1-3)









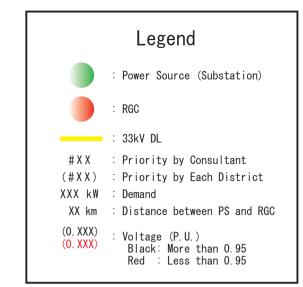
#15	#391	#762	#147
1 km ^(#23) 10	(#19) km	4 km ^(#8) 4	(#9) 1 km
3,848 kW	500 kW	193 kW	997 kW
(0. 997)	(0.990)	(0. 987)	(0.969)



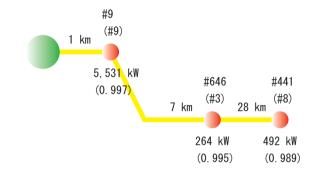
Feeder 1 (Package 1-2)



ZESCO	The Study for Development of the Rural Electrification Master Plan in Zambia	Drawing No.
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	Tokyo Electric Power Company	DL System at Kasama1 SS Feeder 1 (Package 1-1)

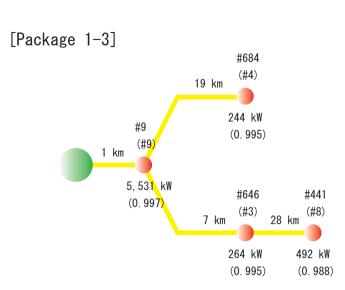


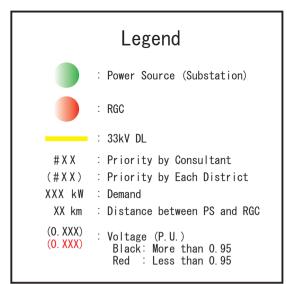
[Package 1-2]



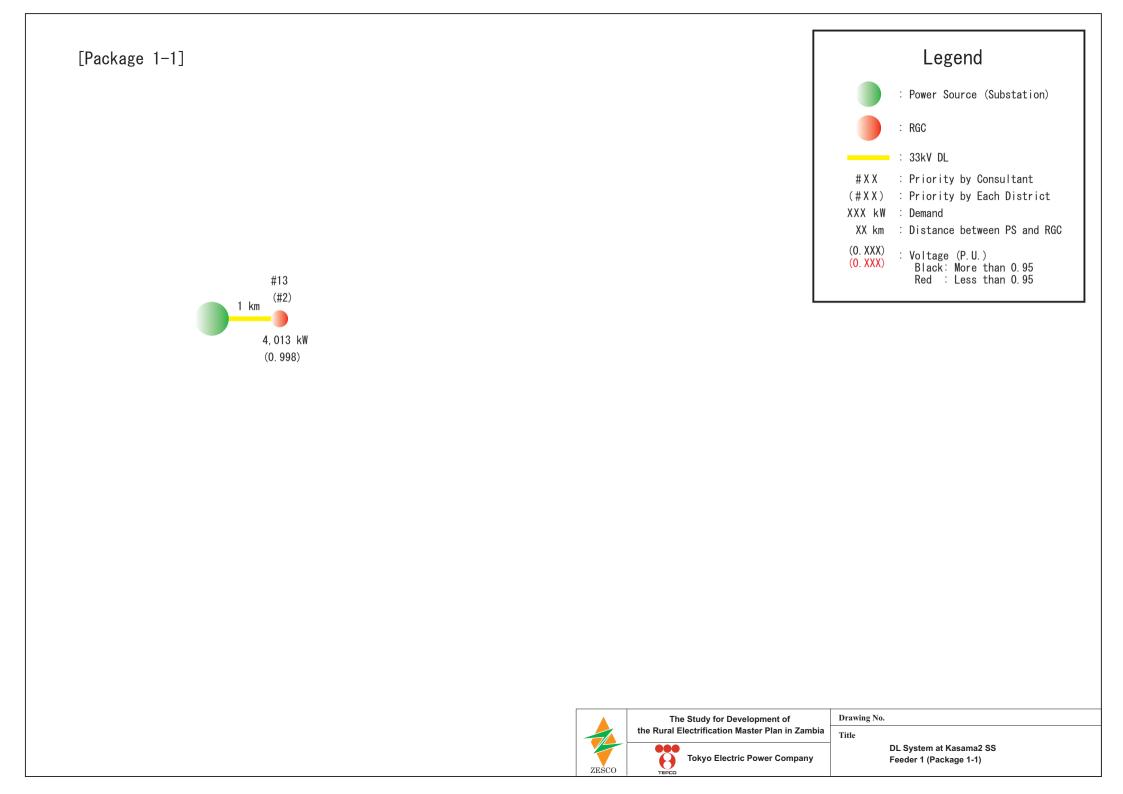


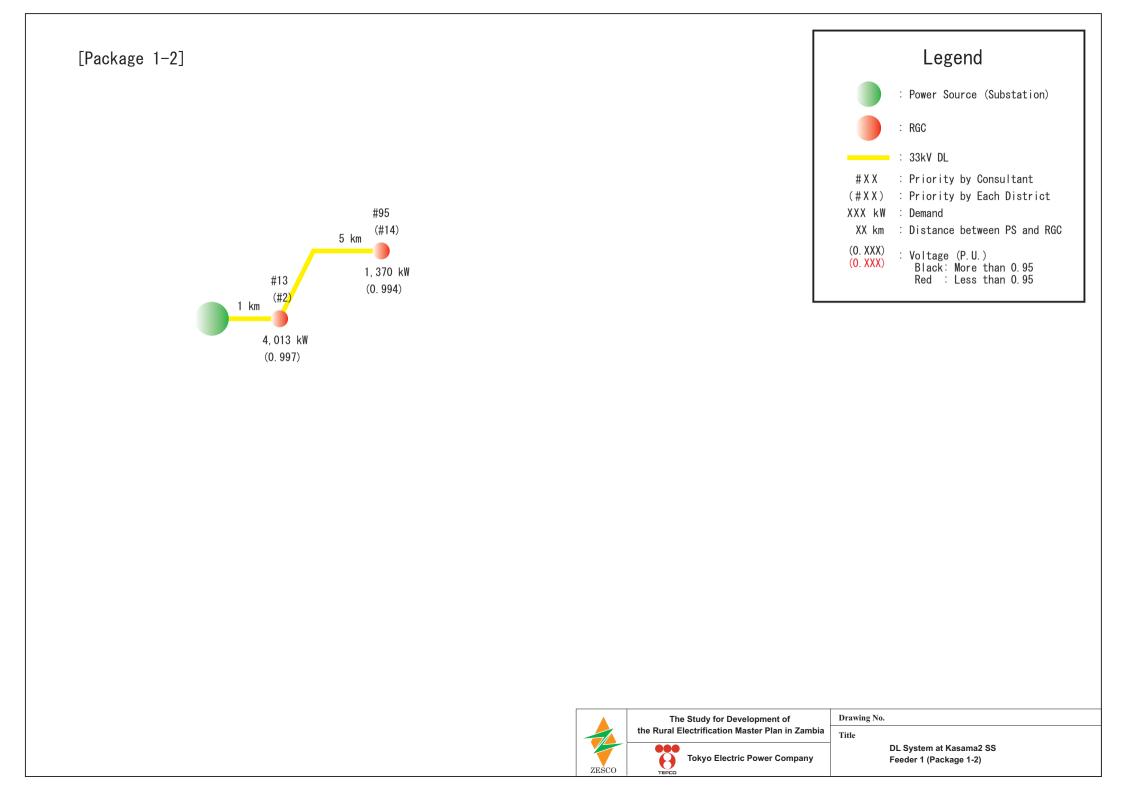
DL System at Kasama1 SS Feeder 1 (Package 1-2)

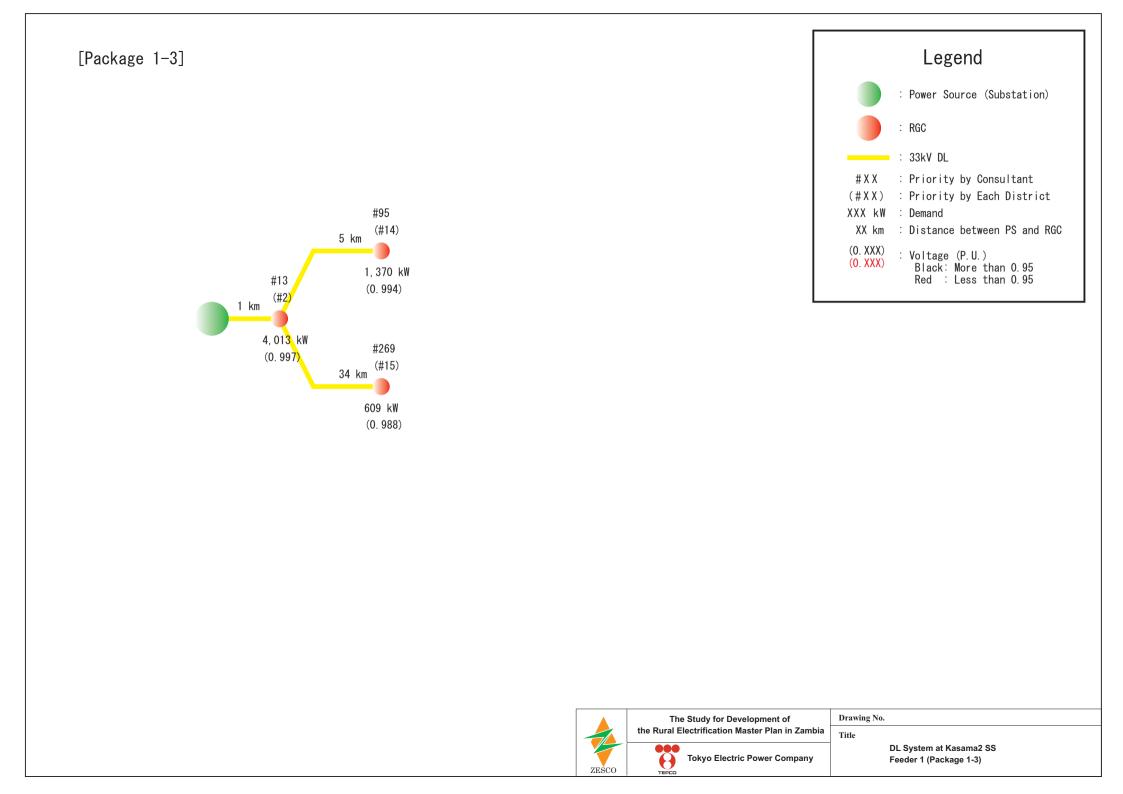


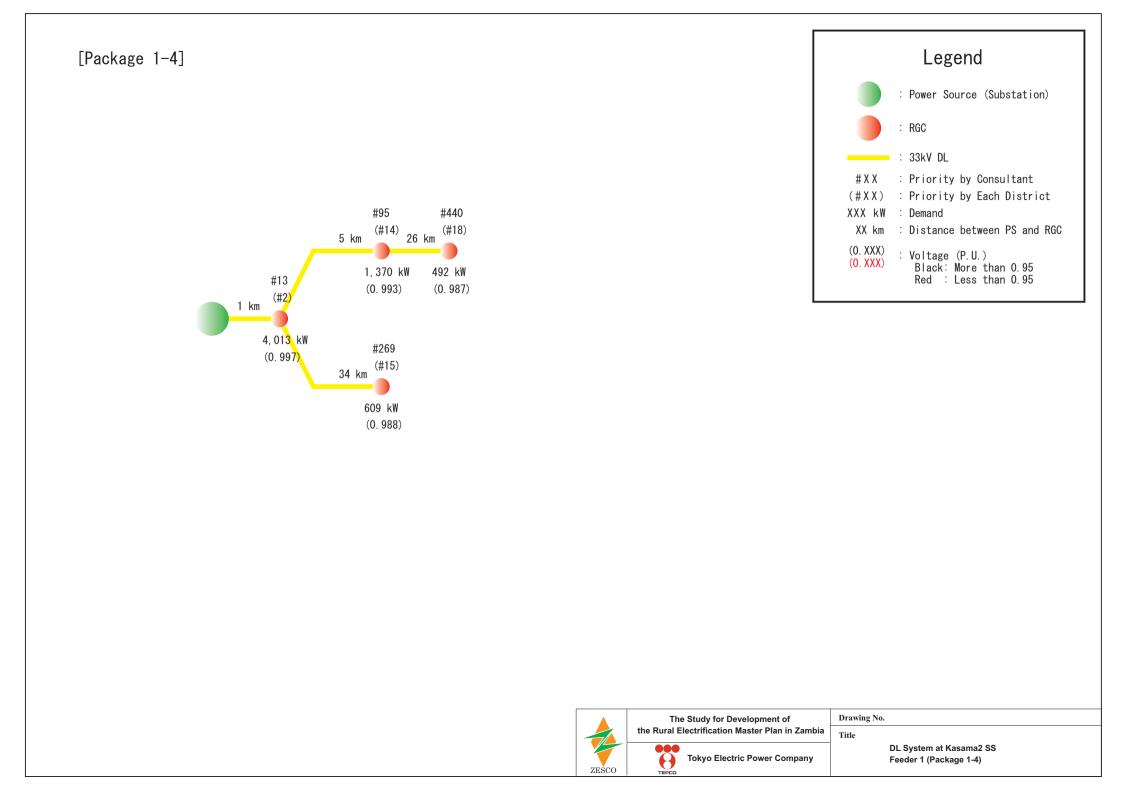


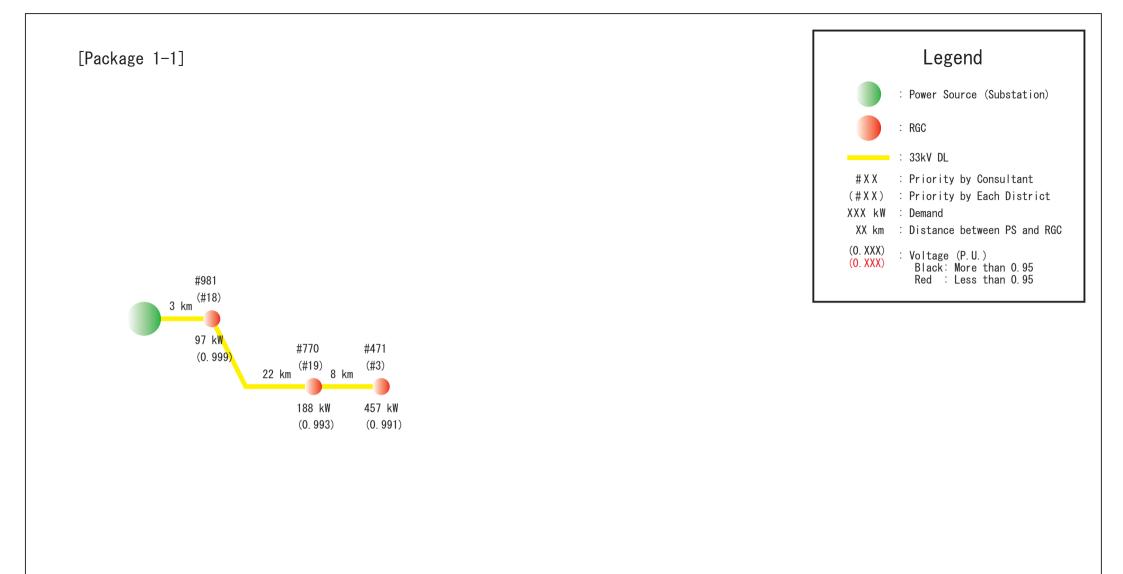






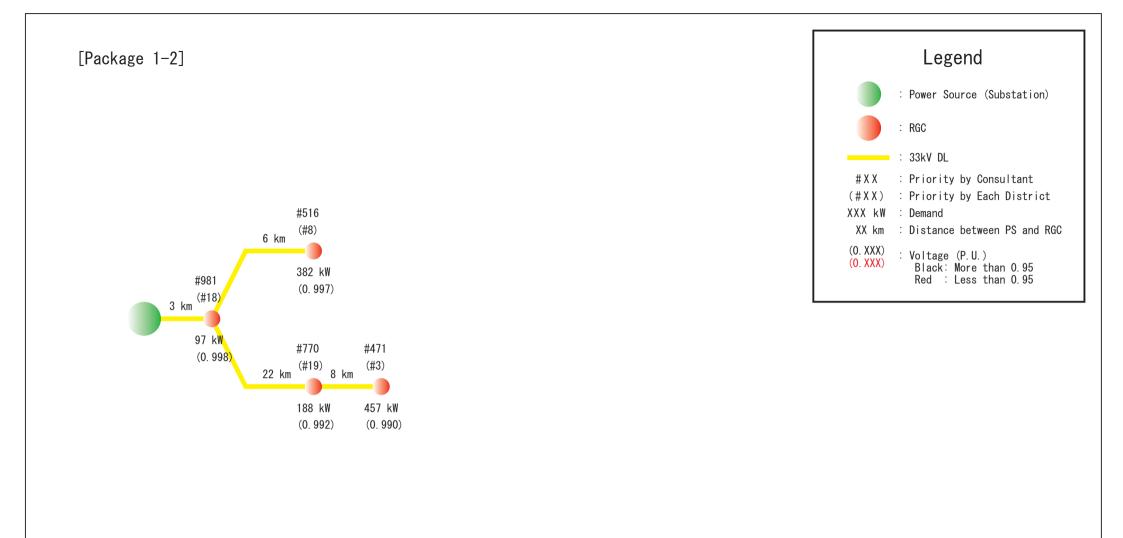






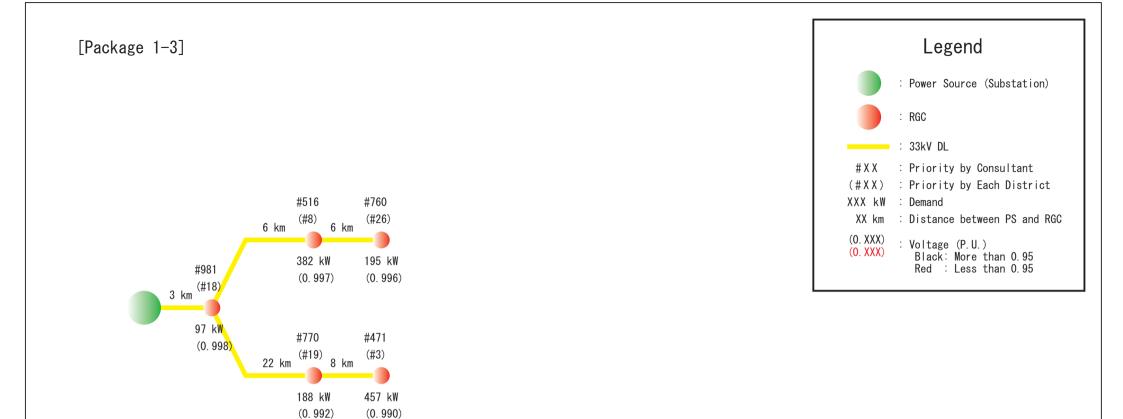


DL System at Luano1 SS Feeder 1 (Package 1-1)



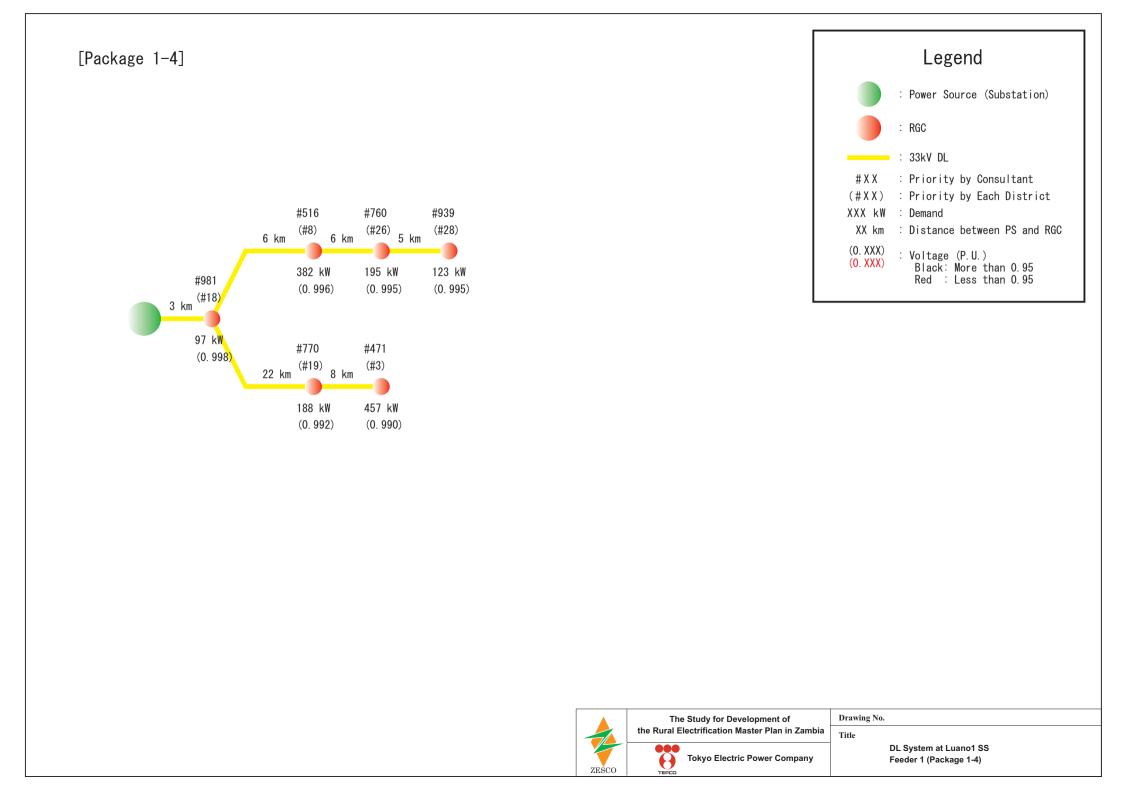


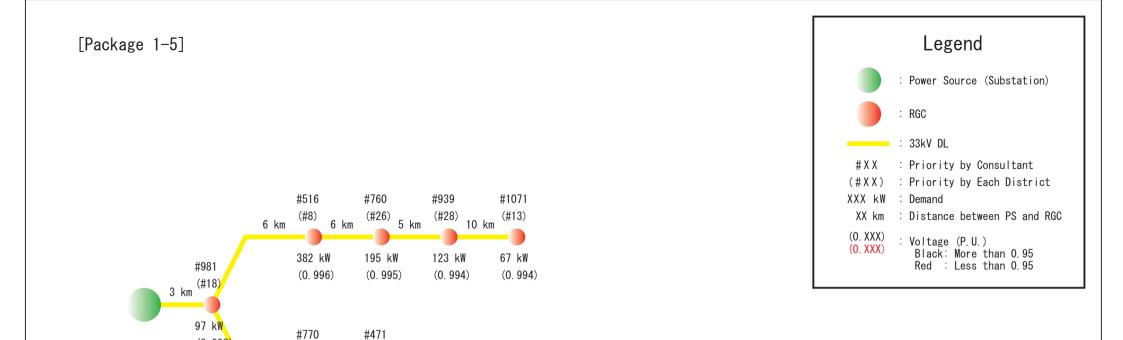
DL System at Luano1 SS Feeder 1 (Package 1-2)



The Study for Development of the Rural Electrification Master Plan in Zambia Drawing No. Title Title VESCO Tokyo Electric Power Company

DL System at Luano1 SS Feeder 1 (Package 1-3)





(0. 998)

(#19) 8 km

188 kW (0.991)

22 km

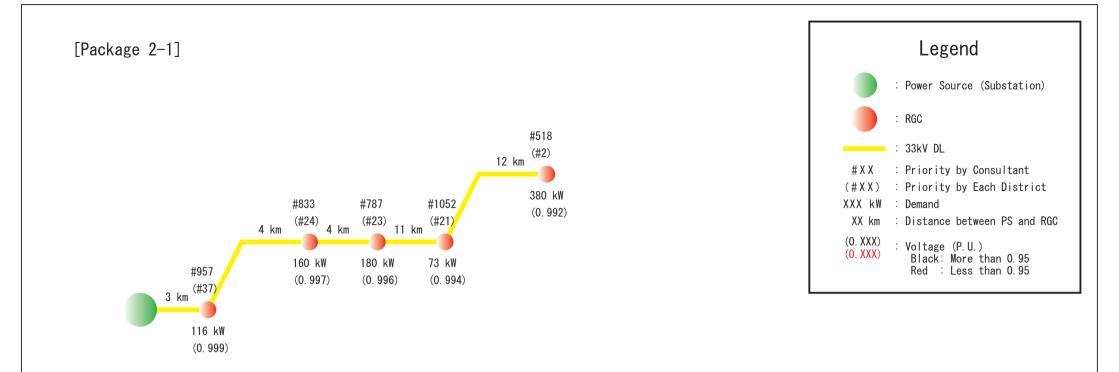
(#3)

457 kW

(0.990)

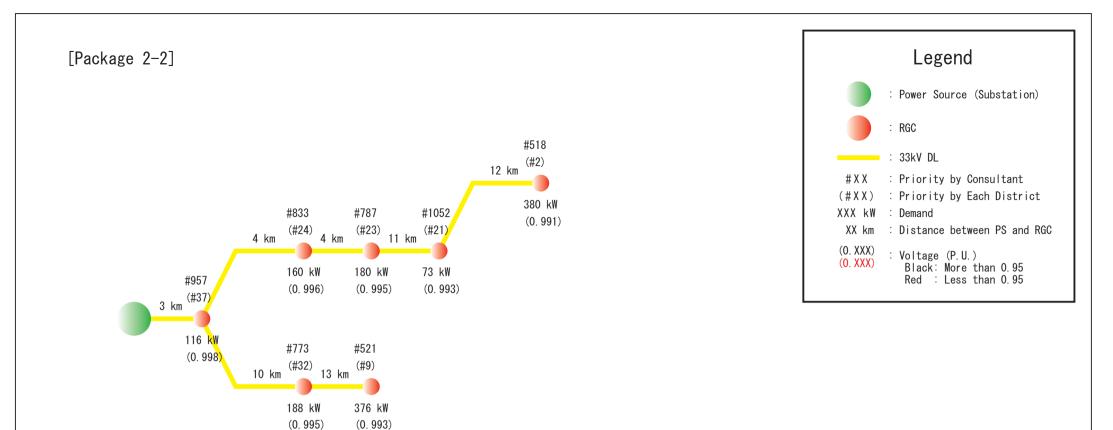


DL System at Luano1 SS Feeder 1 (Package 1-5)



		The Study for Development of the Rural Electrification Master Plan in Zambia	Drawing No. Title	
ZESCO	ZESCO	Tokyo Electric Power Company	DL System at Feeder 2 (Pacl	

Luano1 SS kage 2-1)



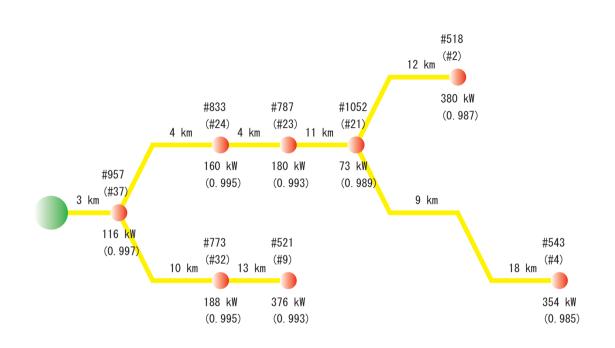
 The Study for Development of the Rural Electrification Master Plan in Zambia
 Drawing No.

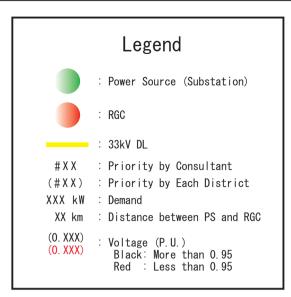
 Title
 DL Syste

 ZESCO
 Tokyo Electric Power Company

DL System at Luano1 SS Feeder 2 (Package 2-2)



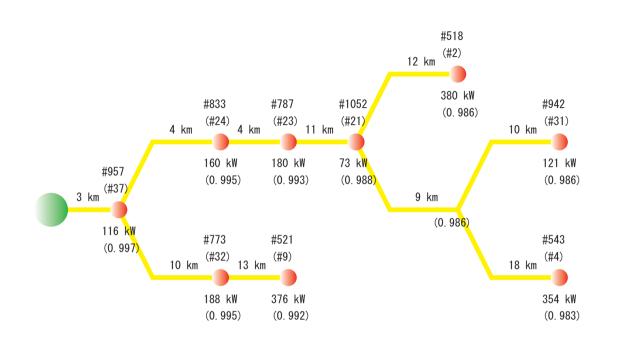


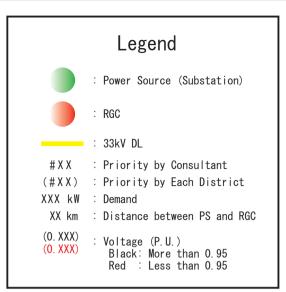




DL System at Luano1 SS Feeder 2 (Package 2-3)

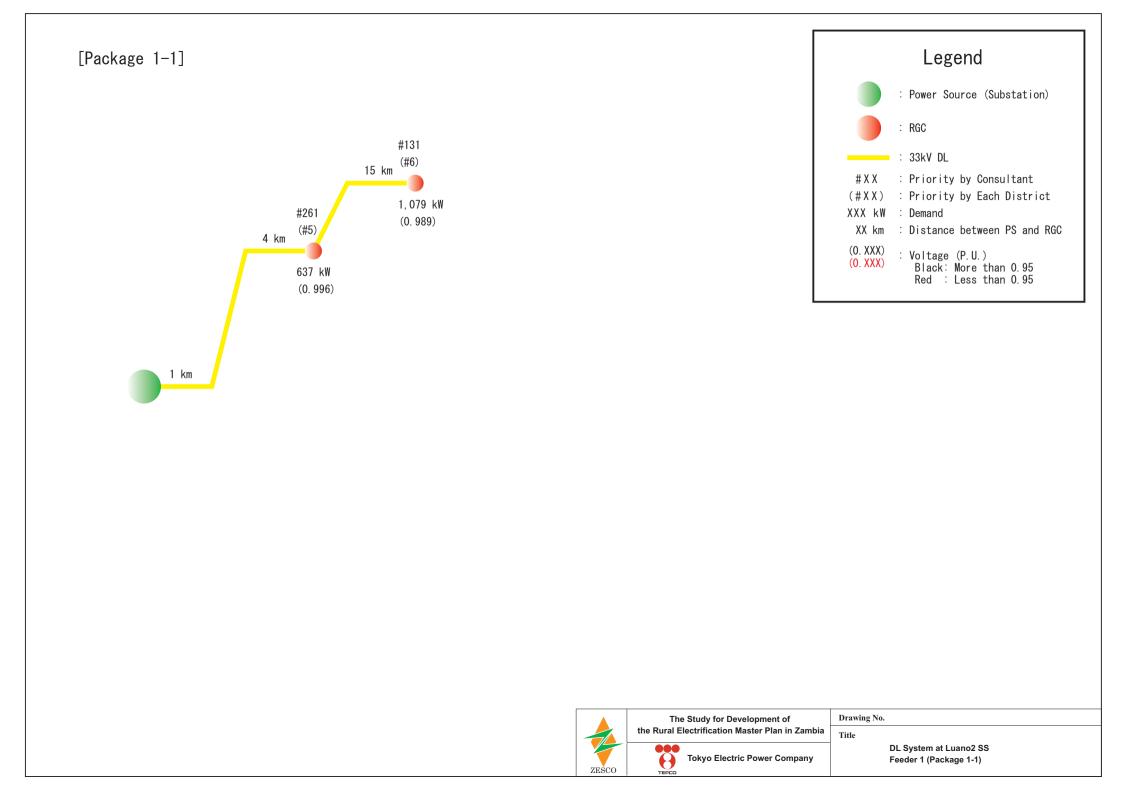


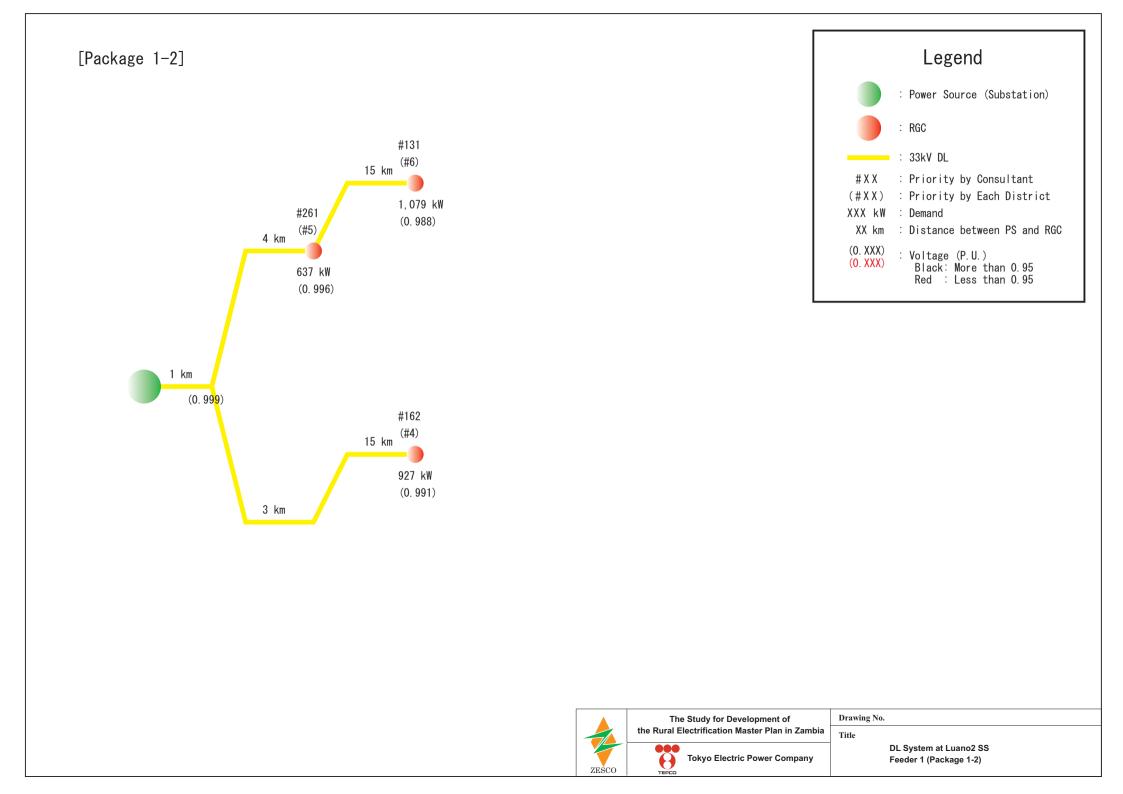


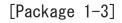


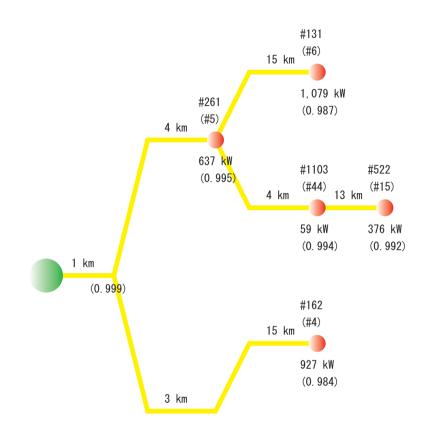


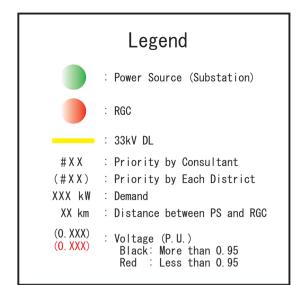
DL System at Luano1 SS Feeder 2 (Package 2-4)





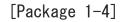


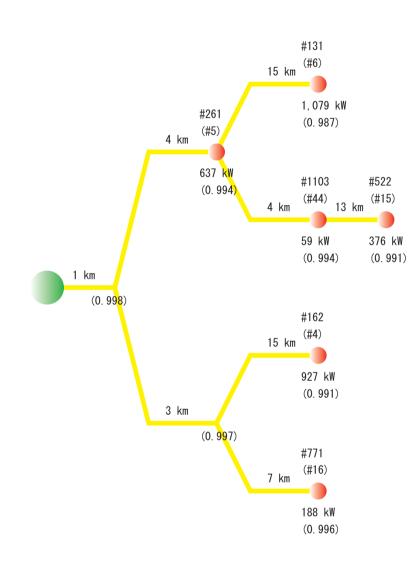


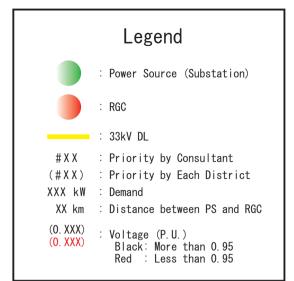




Feeder 1 (Package 1-3)



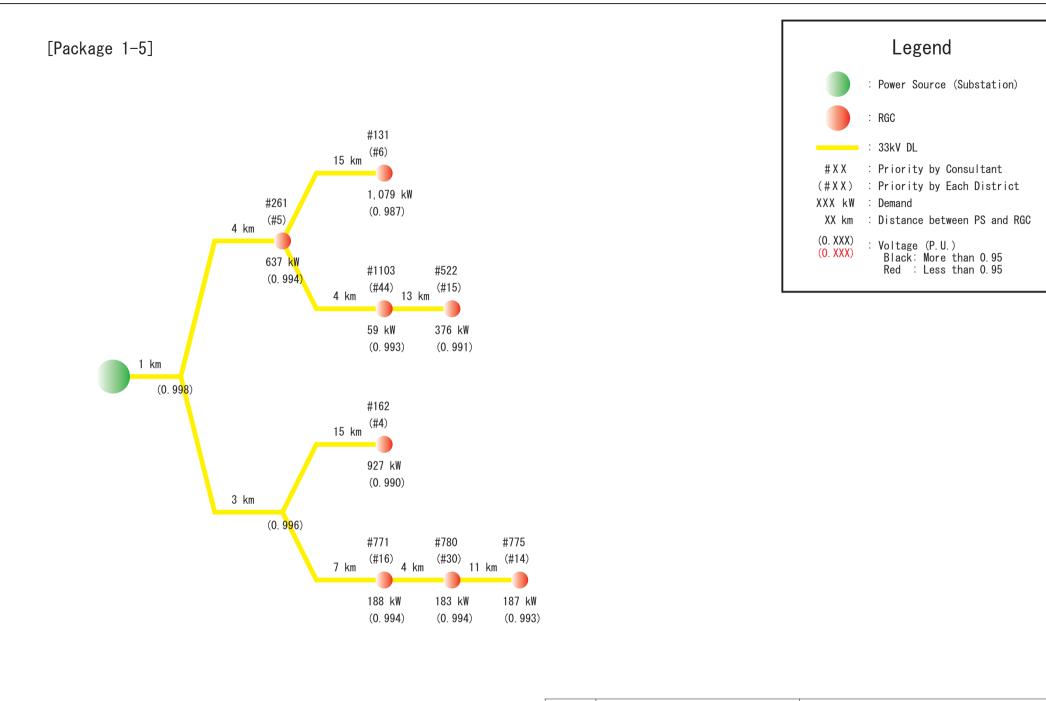




 The Study for Development of the Rural Electrification Master Plan in Zambia
 Drawing No.

 Title
 Title

 DL System at Luano2 SS Feeder 1 (Package 1-4)



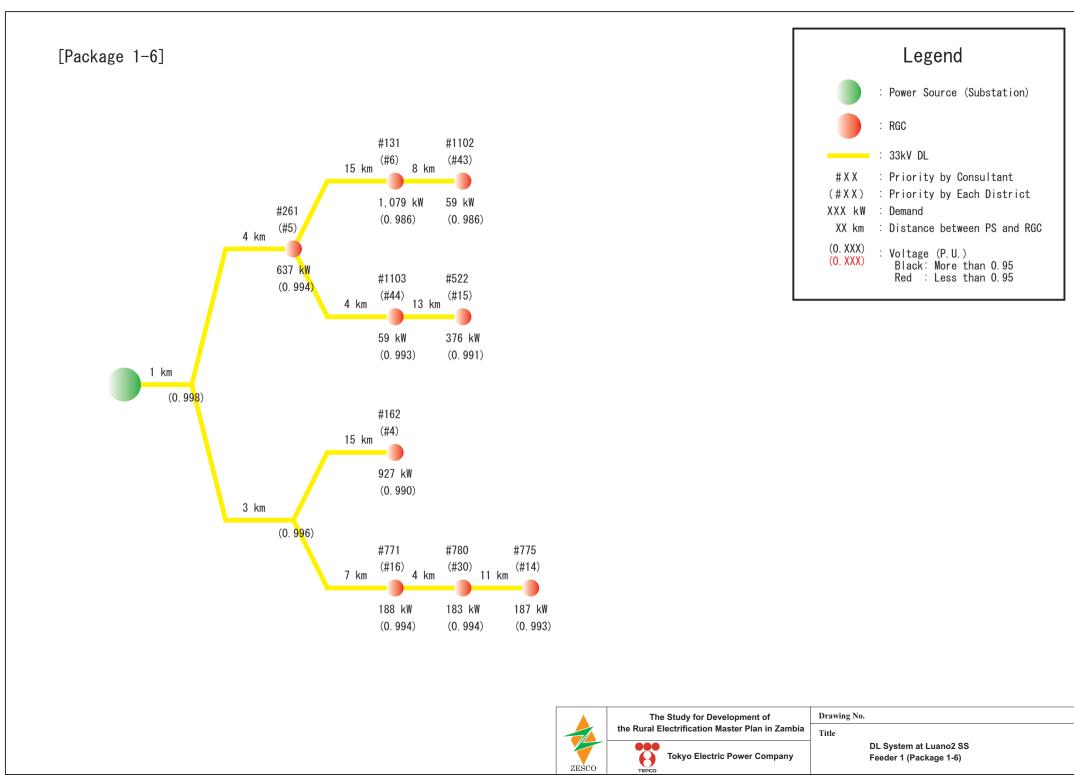
The Study for Development of the Rural Electrification Master Plan in Zambia TEPCO Tokyo Electric Power Company

ZESCO

DL System at Luano2 SS Feeder 1 (Package 1-5)

Drawing No.

Title

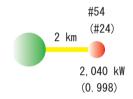


ZESCO

Tokyo Electric Power Company

DL System at Luano2 SS Feeder 1 (Package 1-6)

Legend		
	:	Power Source (Substation)
	:	RGC
	:	33kV DL
# X X	:	Priority by Consultant
(#XX)	:	Priority by Each District
XXX kW	:	Demand
XX km	:	Distance between PS and RGC
(0. XXX) (0. XXX)	:	Voltage (P.U.) Black: More than 0.95 Red : Less than 0.95

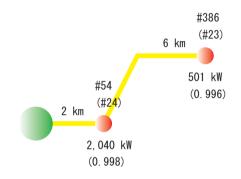


[Package 1-1]



Legend		
	:	Power Source (Substation)
	:	RGC
	:	33kV DL
# X X	:	Priority by Consultant
(#XX)	:	Priority by Each District
XXX kW	:	Demand
XX km	:	Distance between PS and RGC
(0. XXX) (0. XXX)	:	Voltage (P.U.) Black: More than 0.95 Red : Less than 0.95

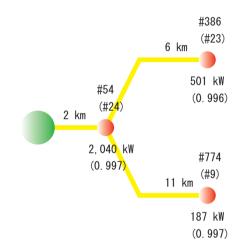
[Package 1-2]





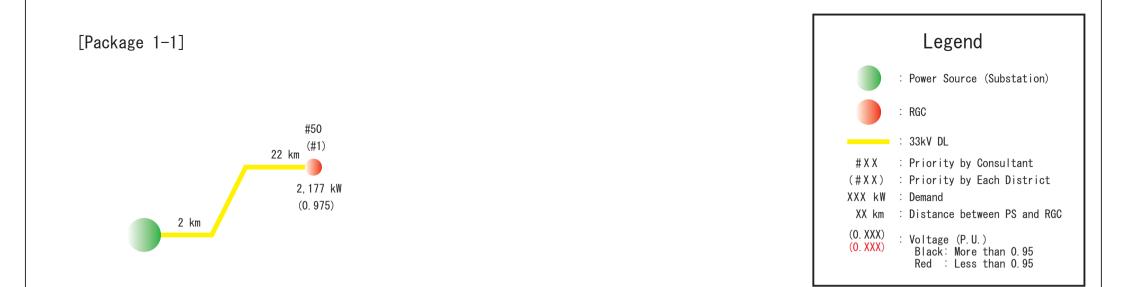
Legend		
	Power Source (Substation)	
	RGC	
:	33kV DL	
# X X 💠	Priority by Consultant	
(#XX) :	Priority by Each District	
XXX kW	Demand	
XX km 🗄	Distance between PS and RGC	
(0. XXX) (0. XXX)	Voltage (P.U.) Black: More than 0.95 Red : Less than 0.95	

[Package 1-3]



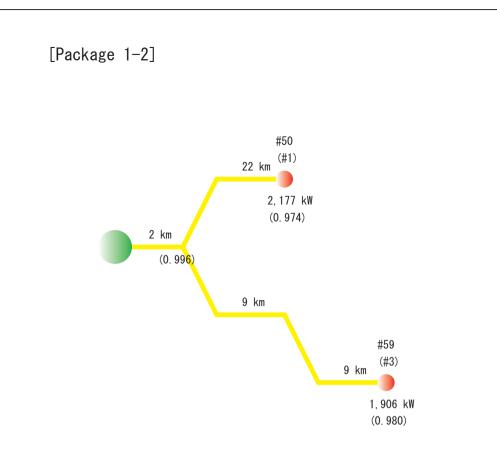


Feeder 1 (Package 1-3)



ZESCO	The Study for Development of	Drawing No.
	the Rural Electrification Master Plan in Zambia	Title
	Tokyo Electric Power Company	DL System a Feeder 1 (Pa

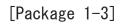
DL System at Luwingu1 SS Feeder 1 (Package 1-1)

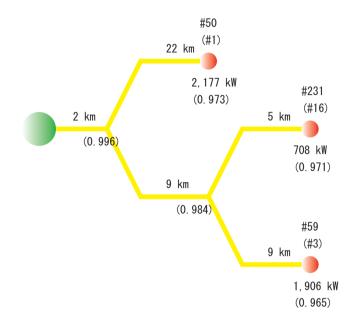


Legend			
	: Power Source (Substation)		
	: RGC		
	: 33kV DL		
# X X	: Priority by Consultant		
(#XX)	: Priority by Each District		
XXX kW	: Demand		
XX km	: Distance between PS and RGC		
(0. XXX) (0. XXX)	: Voltage (P.U.) Black: More than 0.95 Red : Less than 0.95		



DL System at Luwingu1 SS Feeder 1 (Package 1-2)

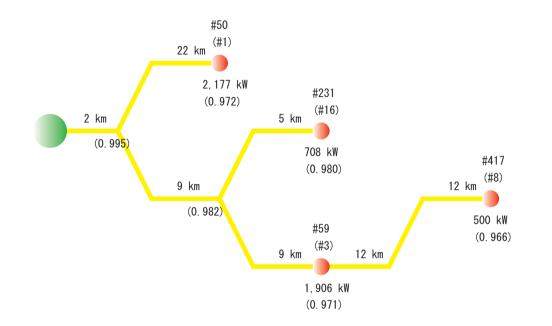




Legend		
	: Power Source (Substation)	
	: RGC	
	: 33kV DL	
# X X	: Priority by Consultant	
(#XX)	: Priority by Each District	
XXX kW	: Demand	
XX km	: Distance between PS and RGC	
(0. XXX) (0. XXX)	: Voltage (P.U.) Black: More than 0.95 Red : Less than 0.95	







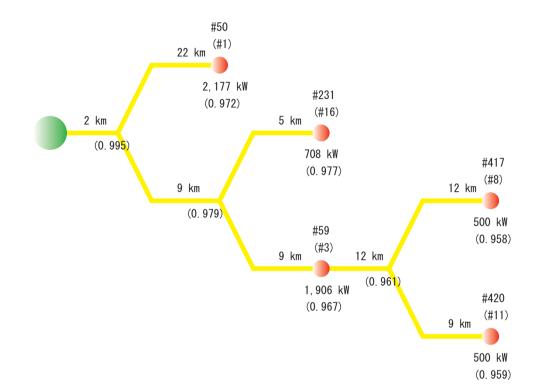
Legend	
	: Power Source (Substation)
	: RGC
	: 33kV DL
	2 on array
(0. XXX) (0. XXX)	: Voltage (P.U.) Black: More than 0.95 Red : Less than 0.95

 The Study for Development of the Rural Electrification Master Plan in Zambia
 Drawing No.

 Title
 Title

 VESCO
 Tokyo Electric Power Company

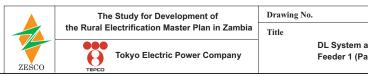




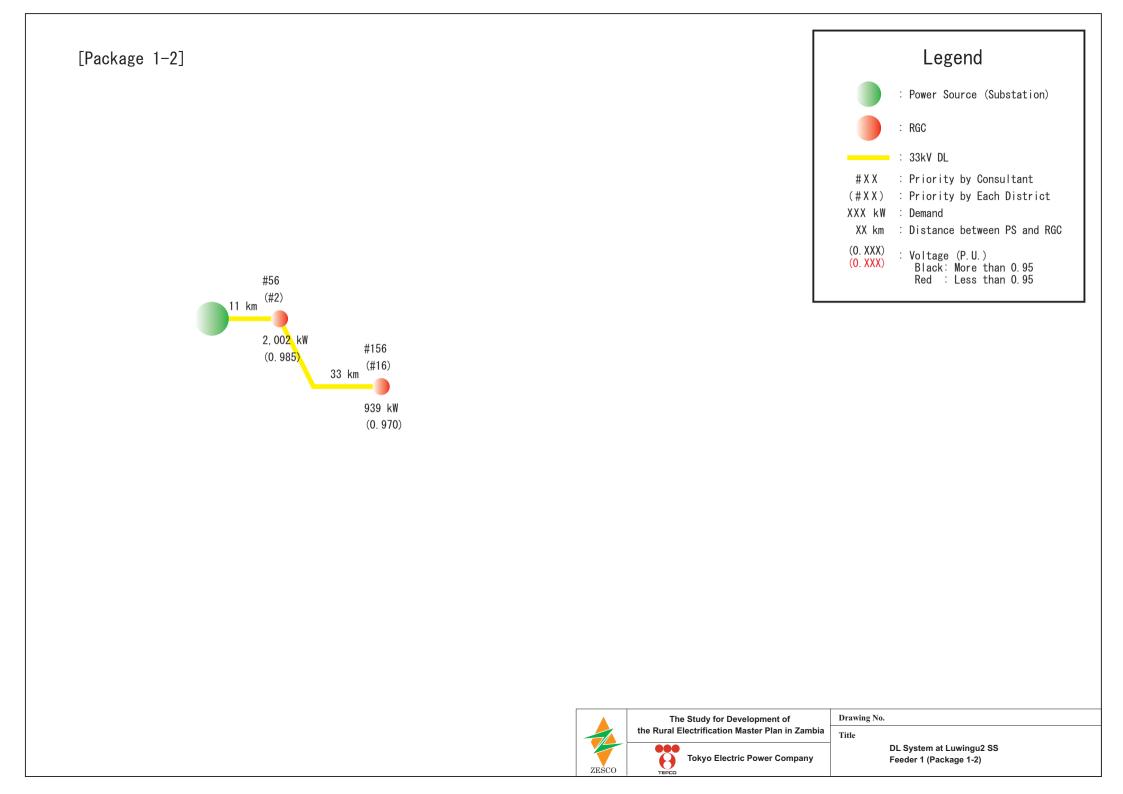
Legend		
	: Power Source (Substation)	
	: RGC	
—	: 33kV DL	
# X X	: Priority by Consultant	
(#XX)	: Priority by Each District	
XXX kW	: Demand	
XX km	: Distance between PS and RGC	
(0. XXX) (0. XXX)	: Voltage (P.U.) Black: More than 0.95 Red : Less than 0.95	

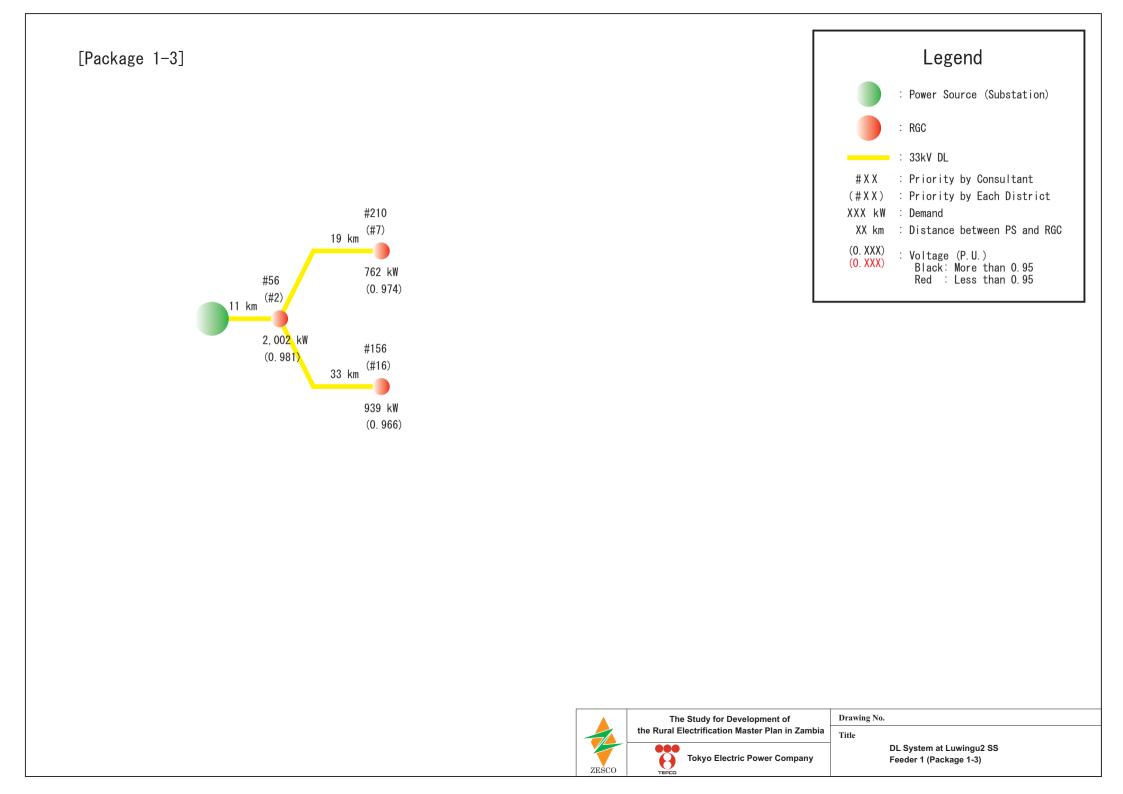


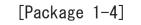


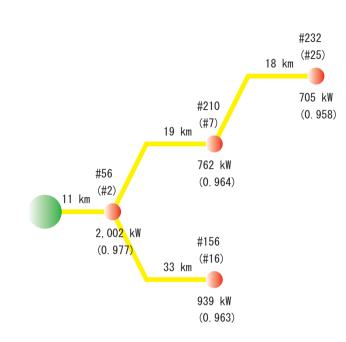


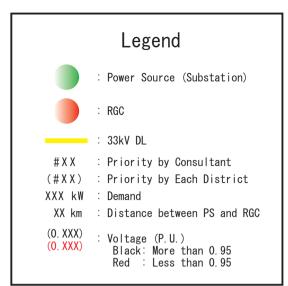
DL System at Luwingu2 SS Feeder 1 (Package 1-1)







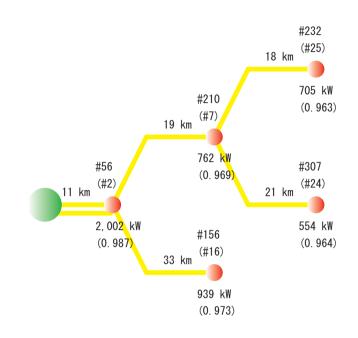


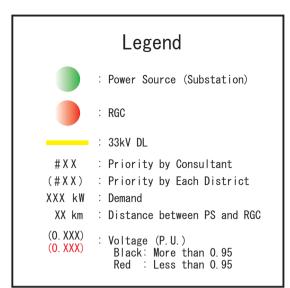




DL System at Luwingu2 SS Feeder 1 (Package 1-4)

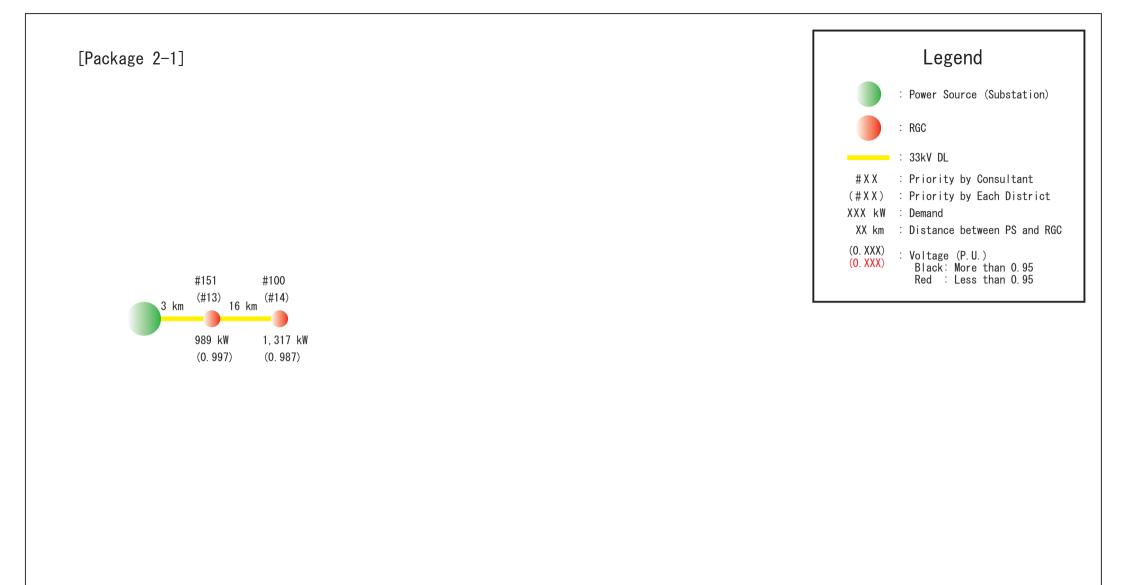
[Package 1-5]







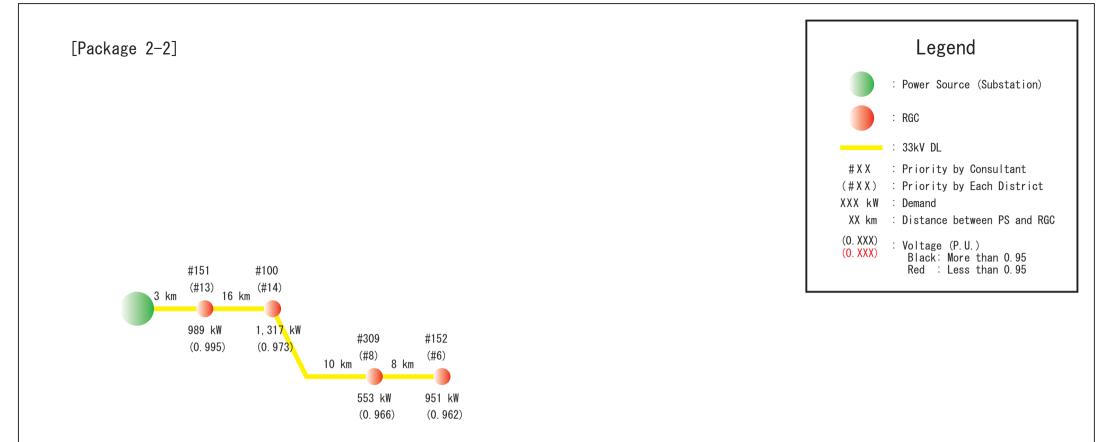
DL System at Luwingu2 SS Feeder 1 (Package 1-5)



 The Study for Development of the Rural Electrification Master Plan in Zambia
 Drawing No.

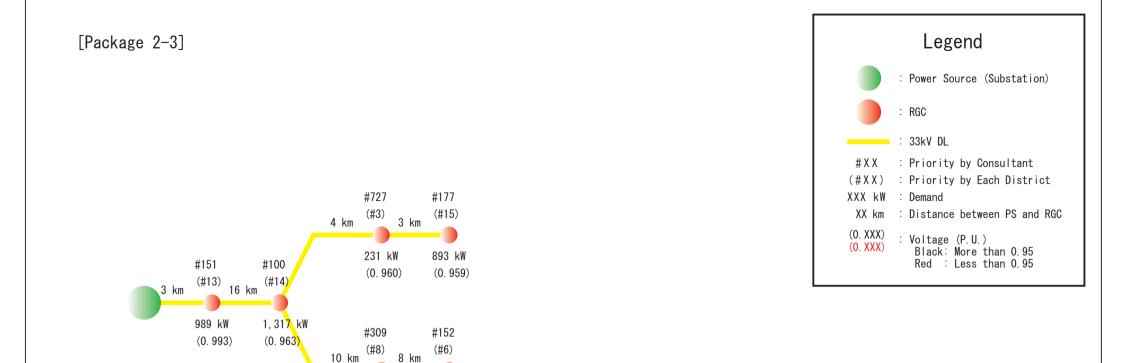
 Title
 Title

 DL System at Luwingu2 SS Feeder 2 (Package 2-1)



	ZESCO	The Study for Development of the Rural Electrification Master Plan in Zambia	Drawing No. Title
		Tokyo Electric Power Company	DL System Feeder 2 (Pa

DL System at Luwingu2 SS Feeder 2 (Package 2-2)



553 kW

(0.955)

951 kW

(0.952)



DL System at Luwingu2 SS



#309

(#8)

553 kW

(0.971)

10 km

8 km

(0.978)

(0.996)

#152

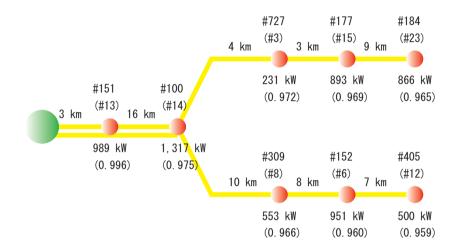
(#6)

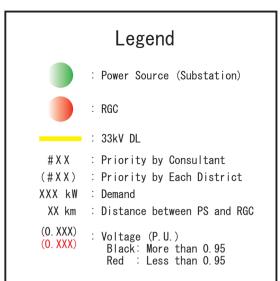
951 kW

(0.967)

	The Study for Development of	Drawing No.	
		the Rural Electrification Master Plan in Zambia	Title
	ZESCO	Tokyo Electric Power Company	DL System at Luwingu2 SS Feeder 2 (Package 2-4)



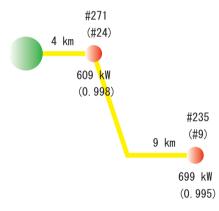




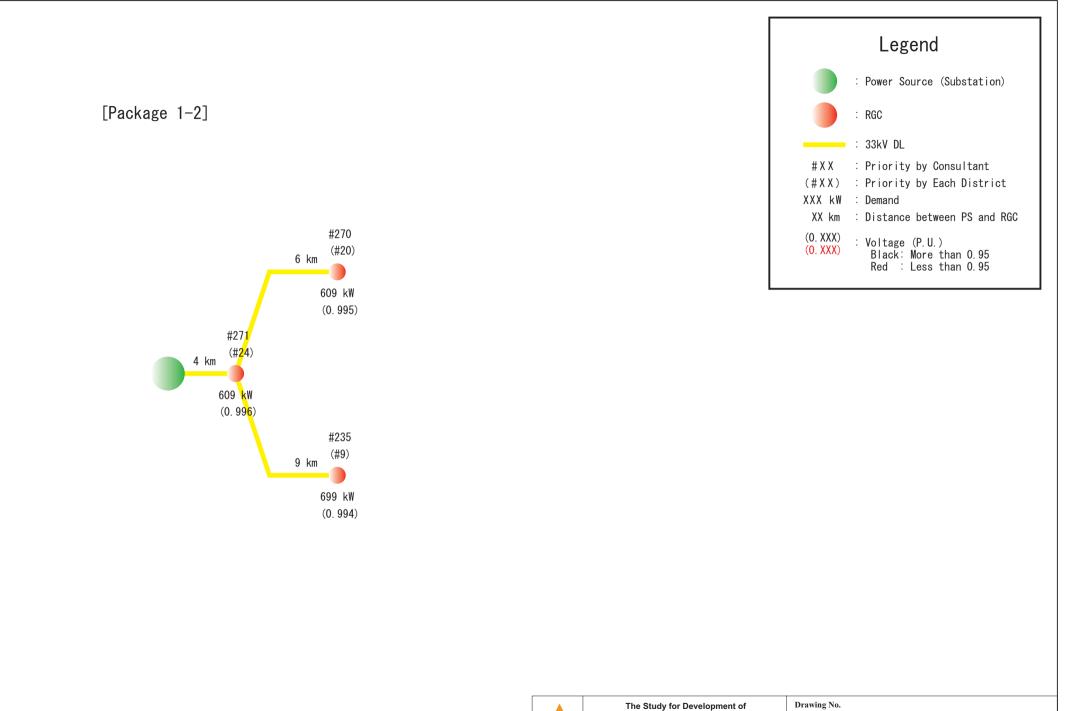


DL System at Luwingu2 SS Feeder 2 (Package 2-5)





	The Study for Development of	Drawing No.	
	the Rural Electrification Master Plan in Zambia	Title	
ZESCO	Tokyo Electric Power Company	DL System at Luwingu3 SS Feeder 1 (Package 1-1)	



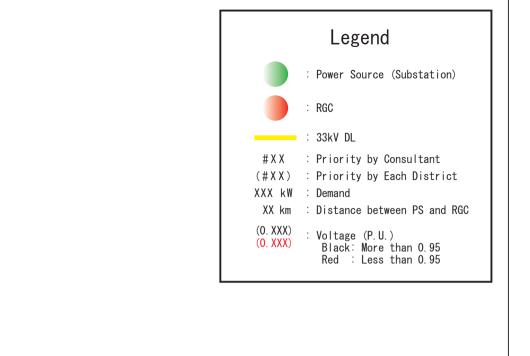
ZESCO

the Rural Electrification Master Plan in Zambia Tokyo Electric Power Company

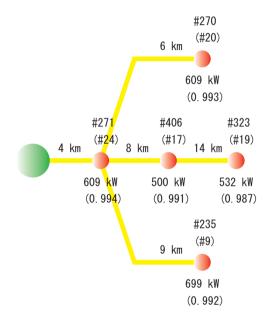
Drawing No.

Title

DL System at Luwingu3 SS Feeder 1 (Package 1-2)

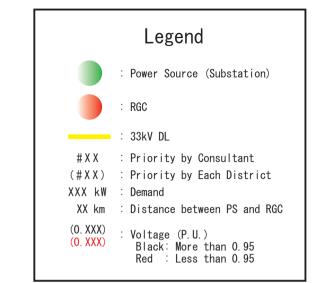


[Package 1-3]

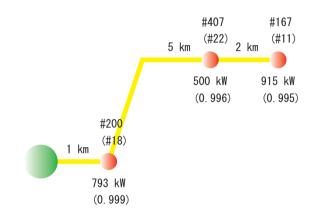




DL System at Luwingu3 SS Feeder 1 (Package 1-3)

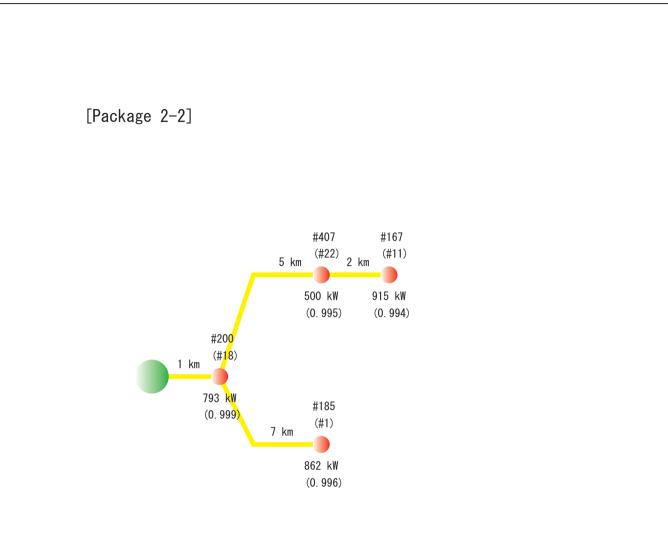


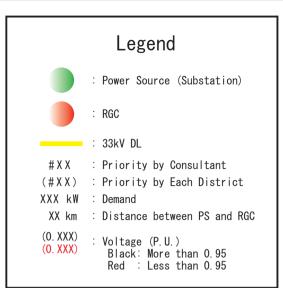
[Package 2-1]





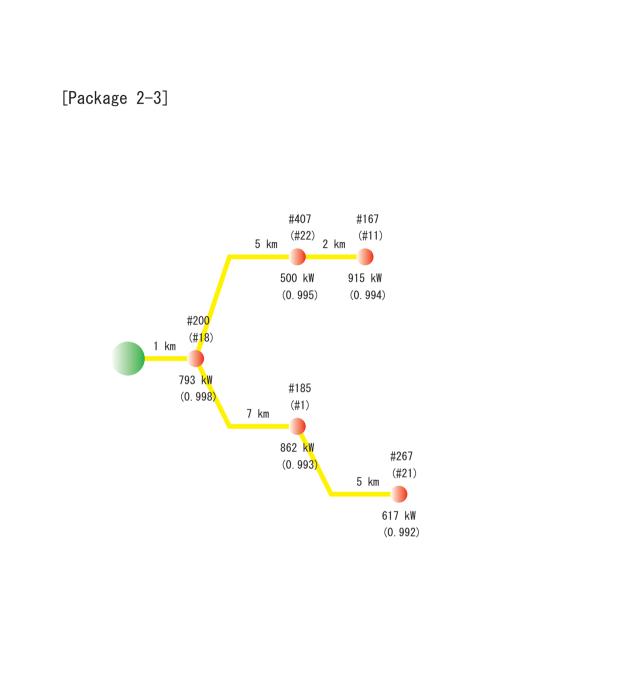
DL System at Luwingu3 SS Feeder 2 (Package 2-1)

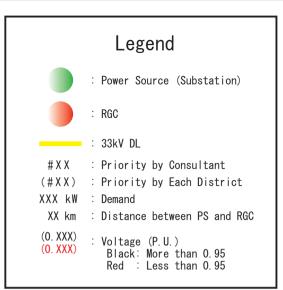






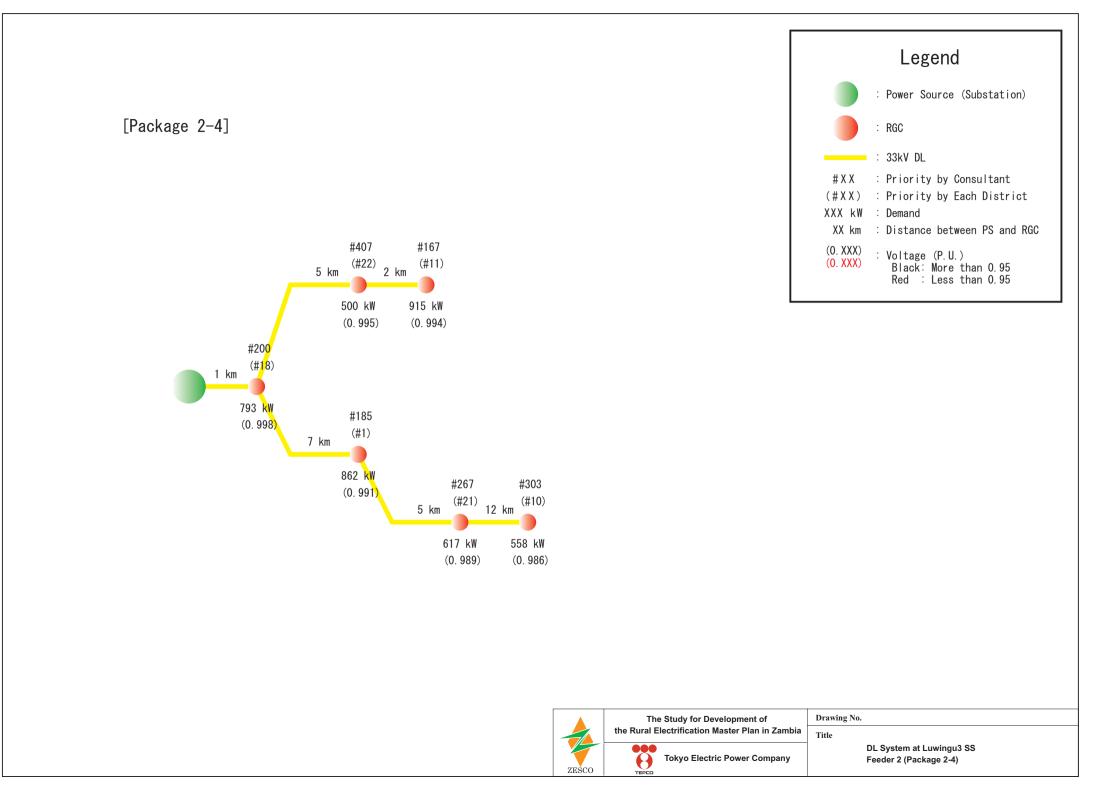
DL System at Luwingu3 SS

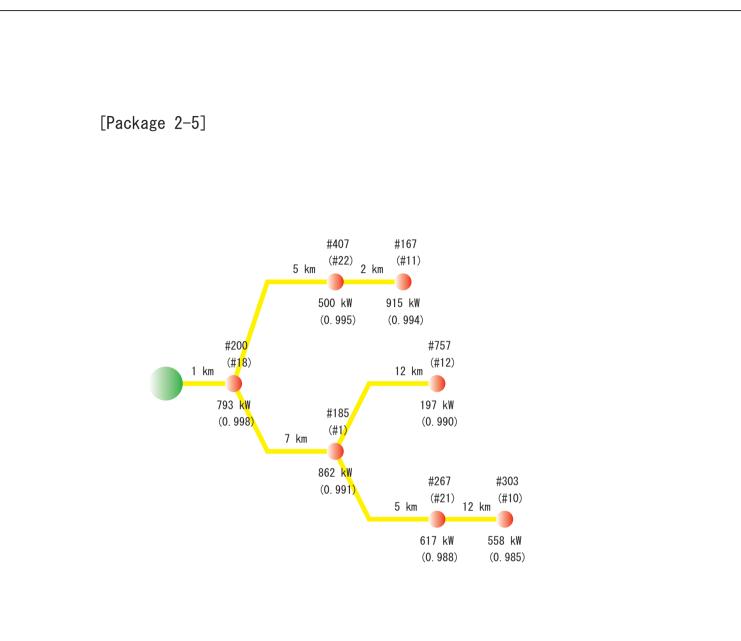






DL System at Luwingu3 SS Feeder 2 (Package 2-3)





Legend Power Source (Substation) RGC : RGC : 33kV DL #XX : Priority by Consultant (#XX) : Priority by Each District XXX kW : Demand XX km : Distance between PS and RGC (0.XXX) (0.XXX) : Voltage (P.U.) Black: More than 0.95 Red : Less than 0.95

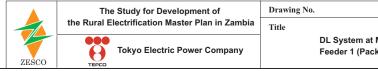
 The Study for Development of the Rural Electrification Master Plan in Zambia
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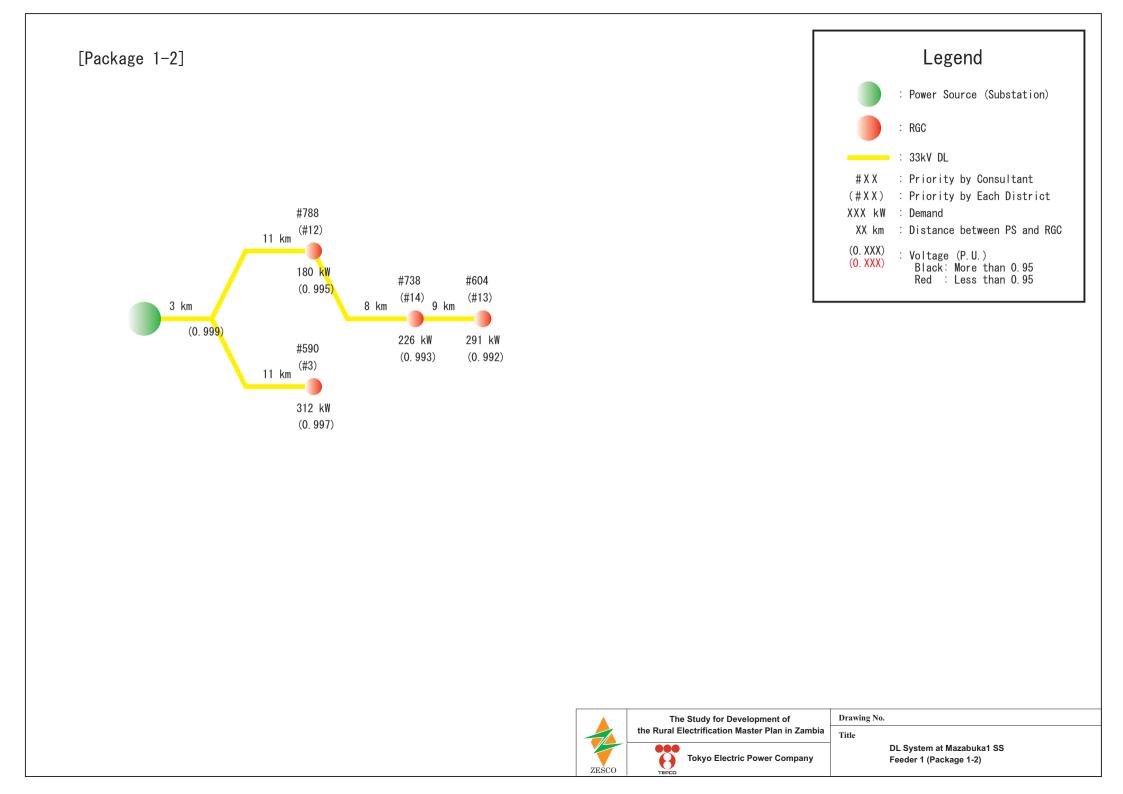
 DL
 Tokyo Electric Power Company

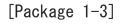
DL System at Luwingu3 SS Feeder 2 (Package 2-5)

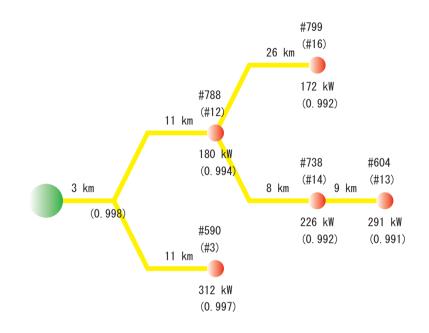
[Package 1-1]	Legend
	: Power Source (Substation)
	: RGC
	<pre>: 33kV DL #XX : Priority by Consultant (#XX) : Priority by Each District XXX kW : Demand XX km : Distance between PS and RGC (0.XXX) (0.XXX) : Voltage (P.U.) Black: More than 0.95 Red : Less than 0.95</pre>
3 km #590 11 km (#3) 312 kW (0. 998)	

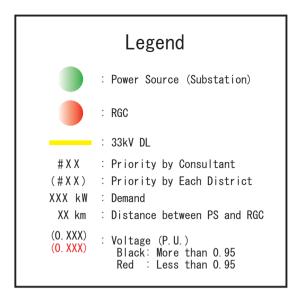


DL System at Mazabuka1 SS Feeder 1 (Package 1-1)



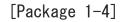


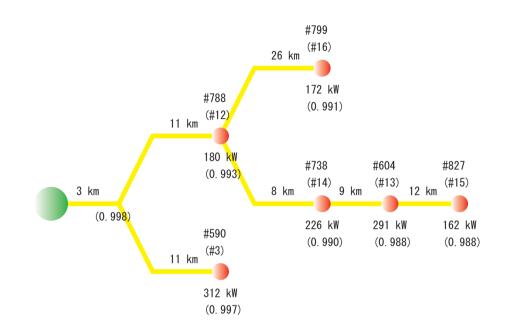


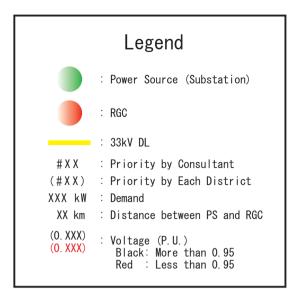




DL System at Mazabuka1 SS Feeder 1 (Package 1-3)

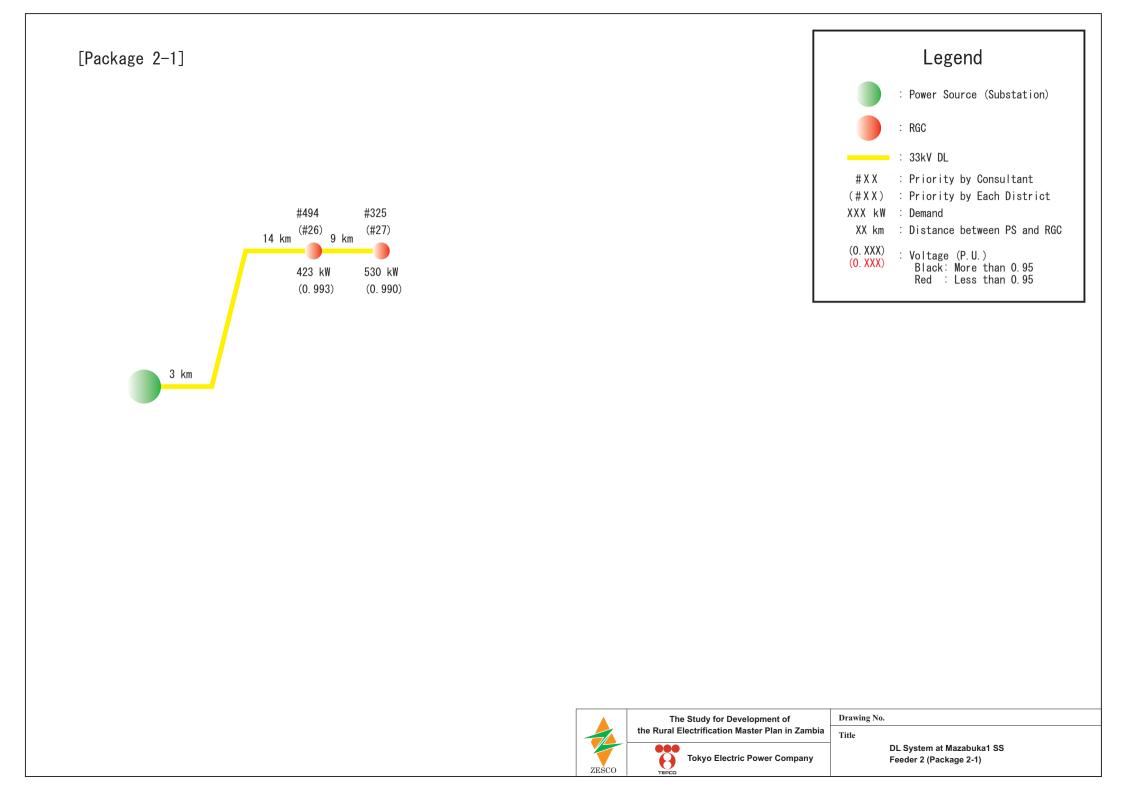


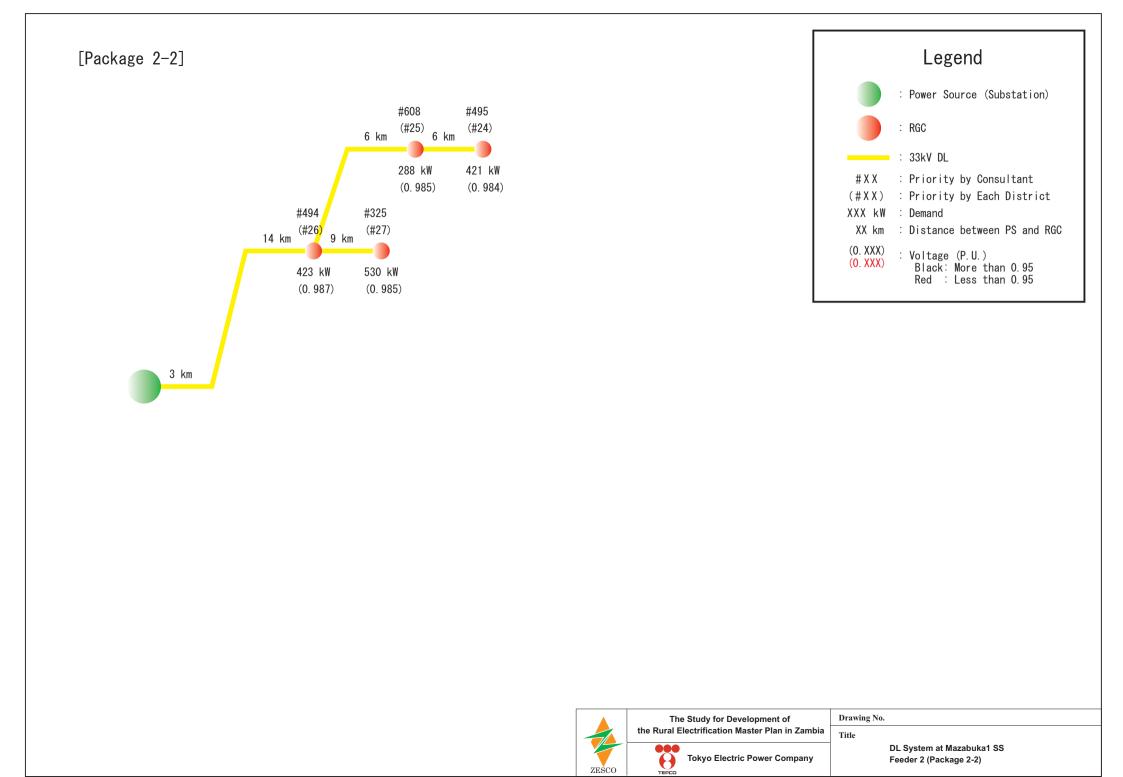


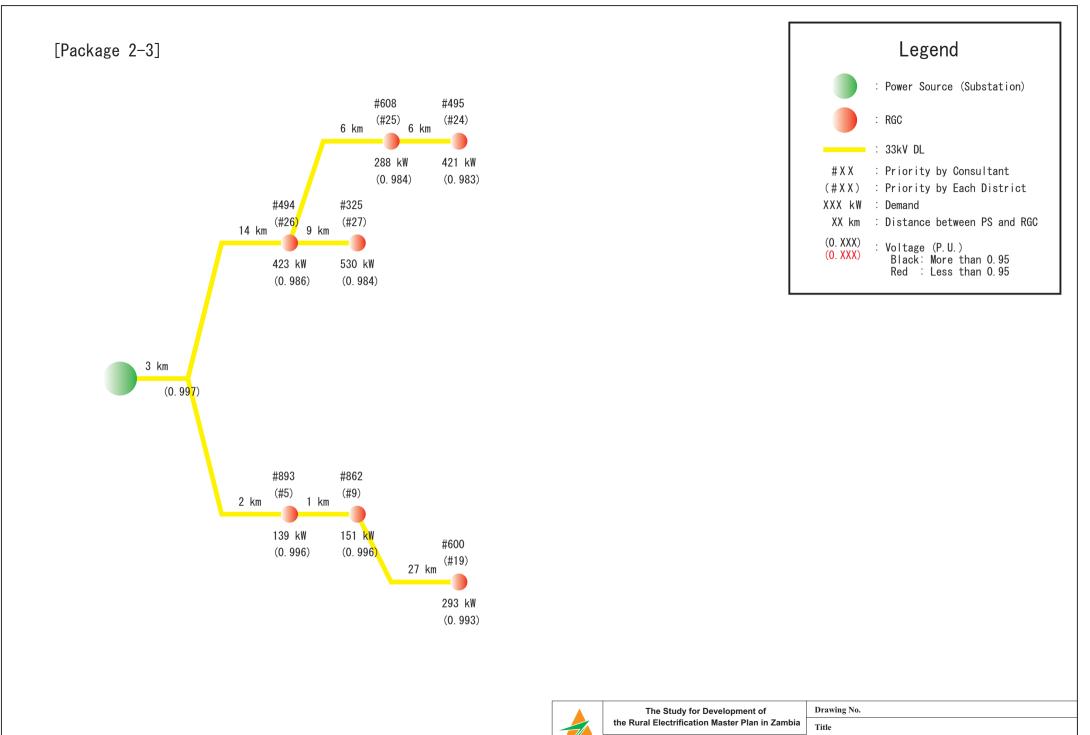




DL System at Mazabuka1 SS Feeder 1 (Package 1-4)



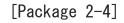


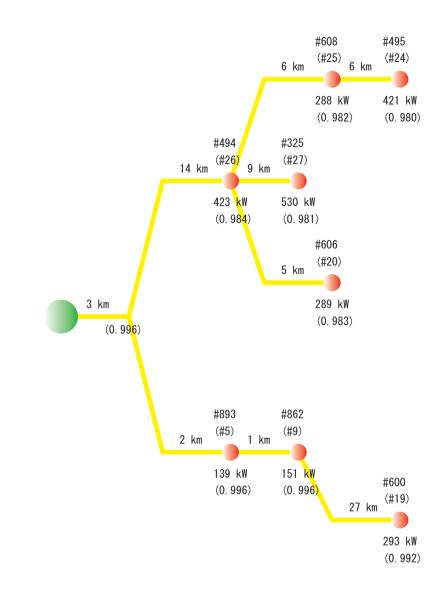


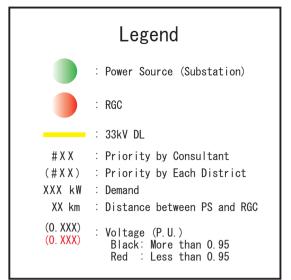
ZESCO

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DL System at Mazabuka1 SS Feeder 2 (Package 2-3)





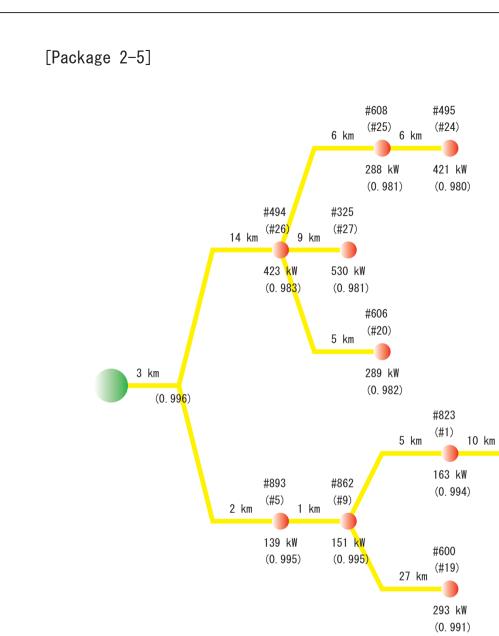


 The Study for Development of the Rural Electrification Master Plan in Zambia
 Drawing No.

 Title
 Title

 VESCO
 Tokyo Electric Power Company

DL System at Mazabuka1 SS Feeder 2 (Package 2-4)

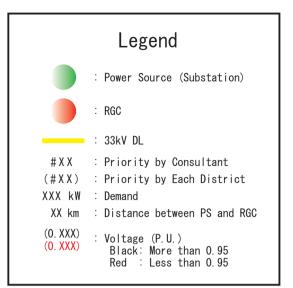


#683

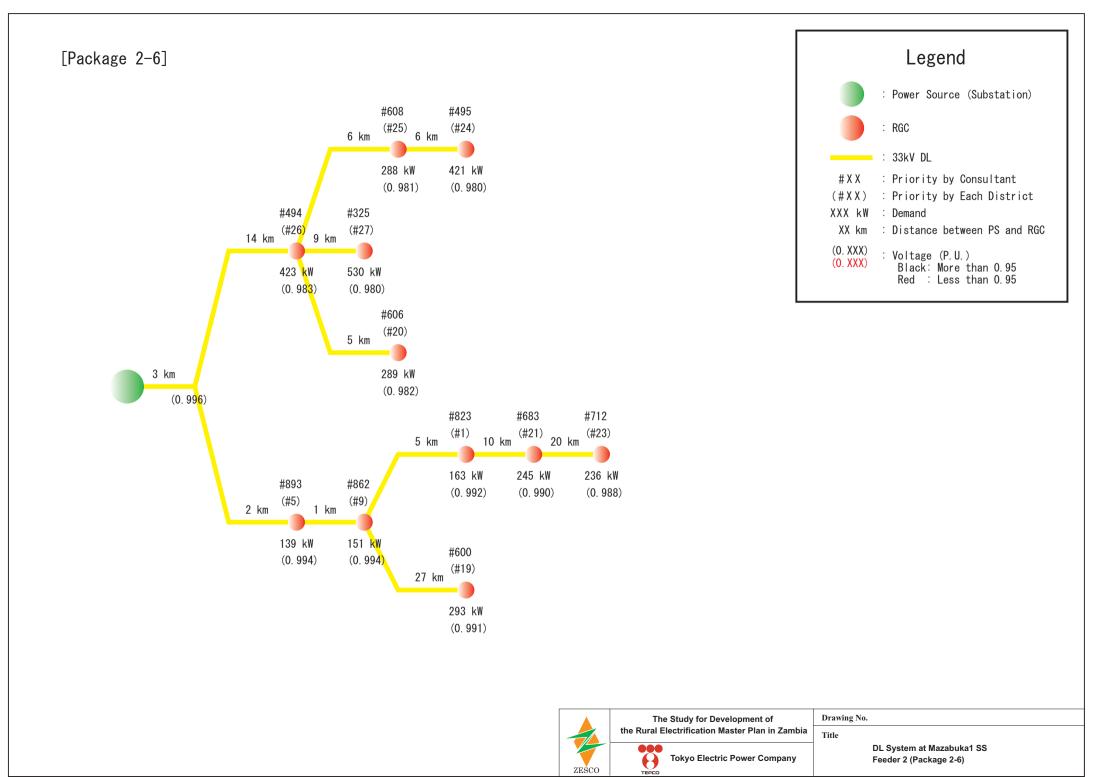
(#21)

245 kW

(0.993)



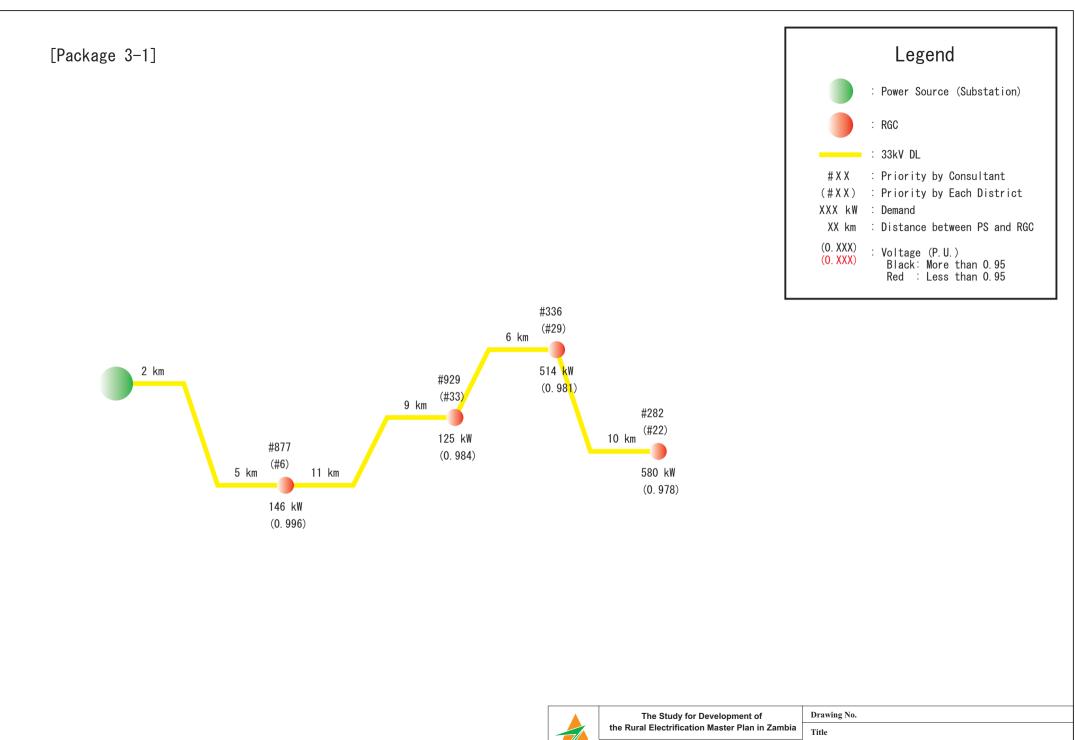




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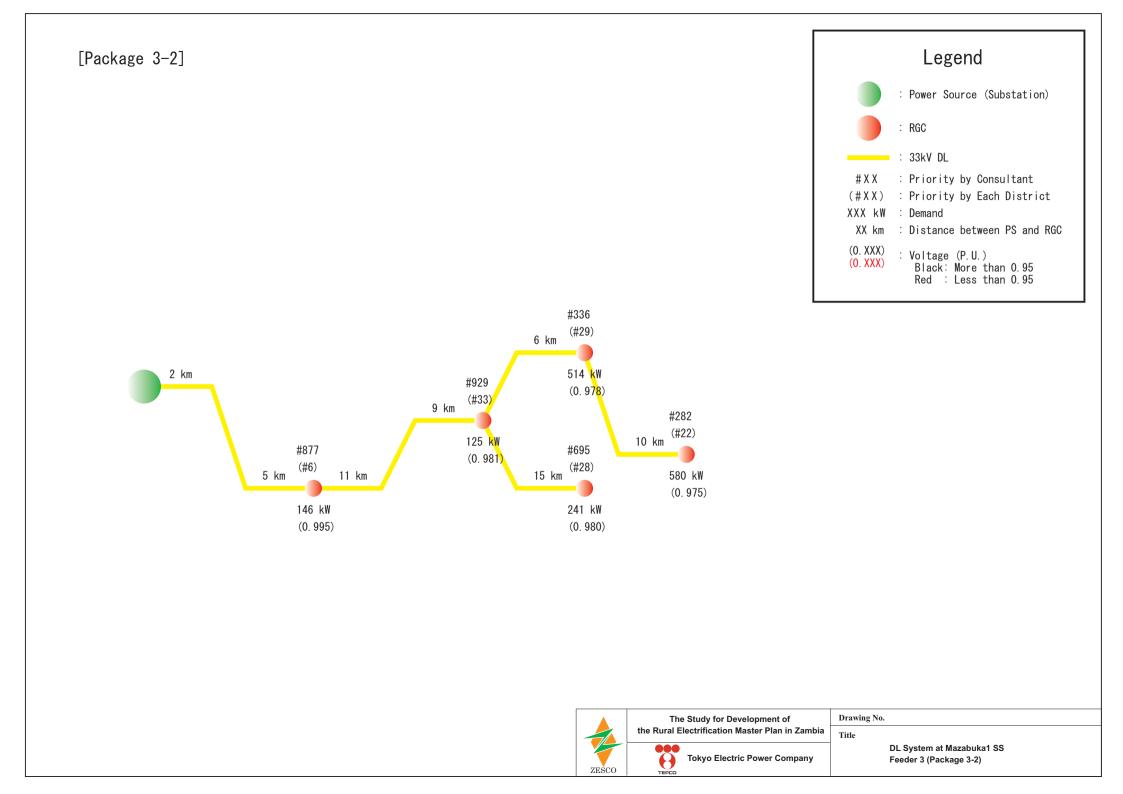
DL System at Mazabuka1 SS Feeder 2 (Package 2-6)

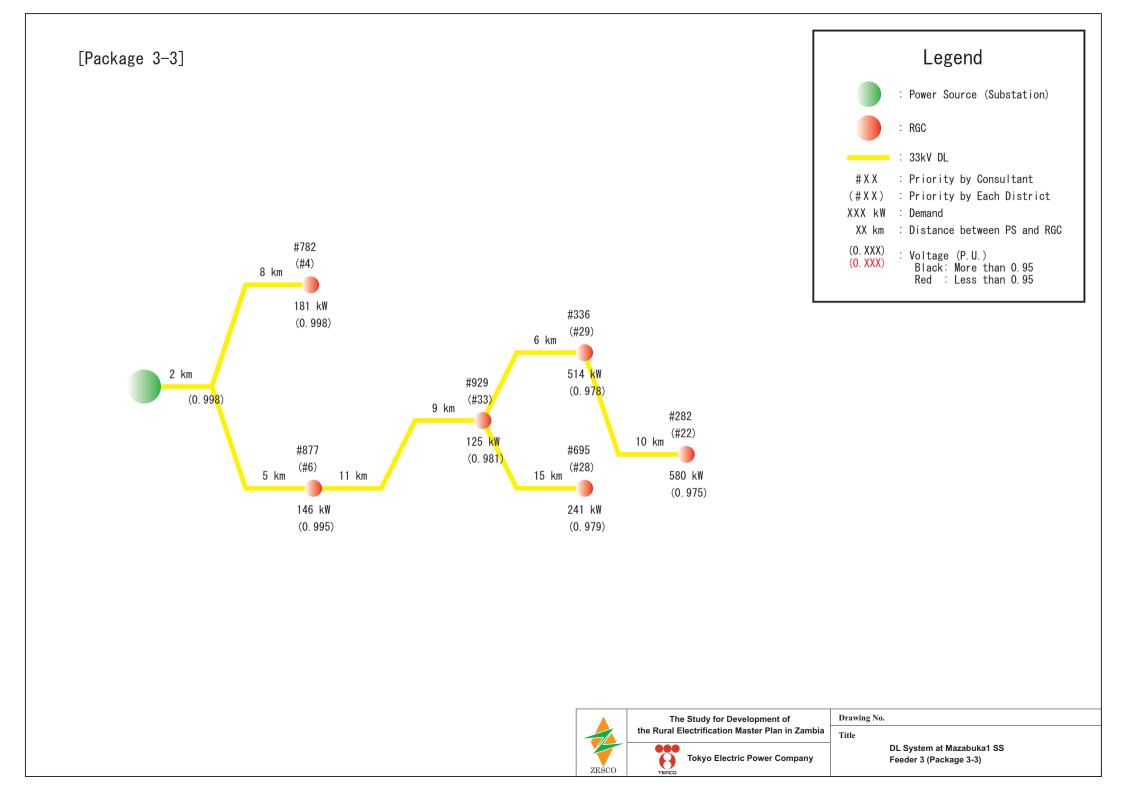


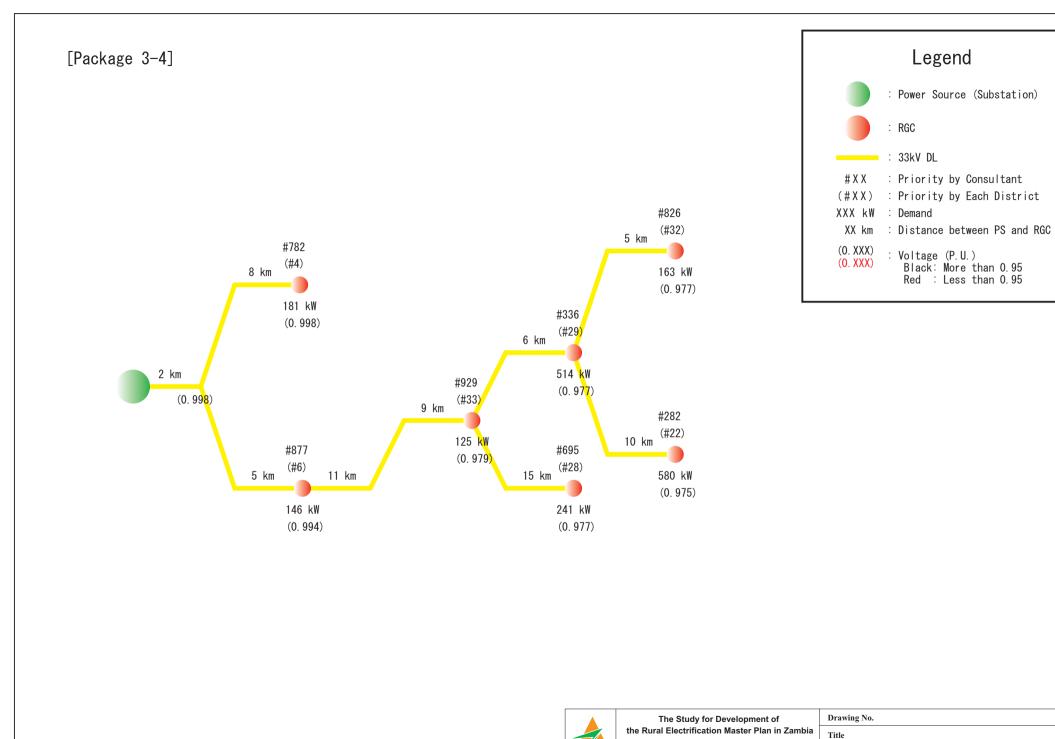
ZESCO

Tokyo Electric Power Company

DL System at Mazabuka1 SS Feeder 3 (Package 3-1)



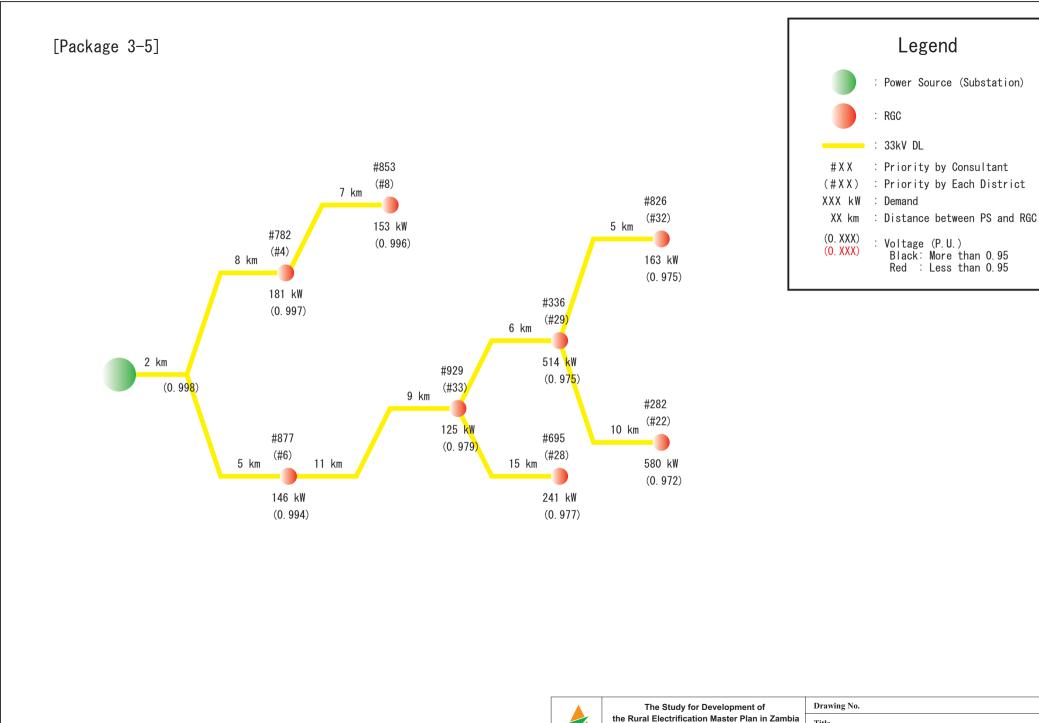




Tokyo Electric Power Company

ZESCO

DL System at Mazabuka1 SS Feeder 3 (Package 3-4)

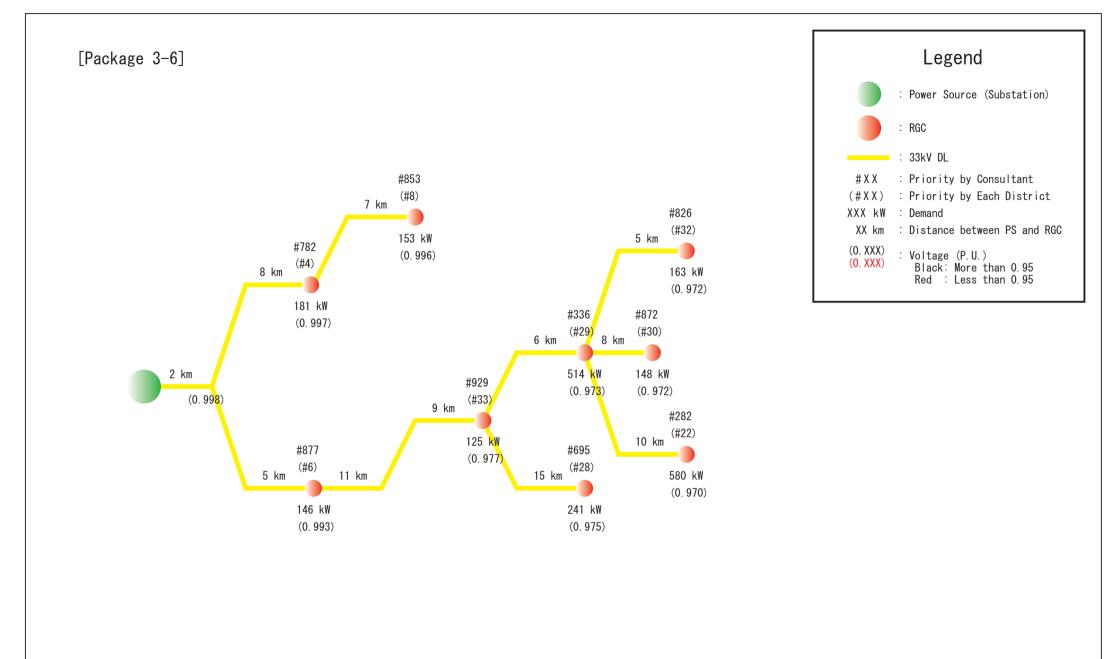


DL System at Mazabuka1 SS Feeder 3 (Package 3-5)

Title

Tokyo Electric Power Company

ZESCO

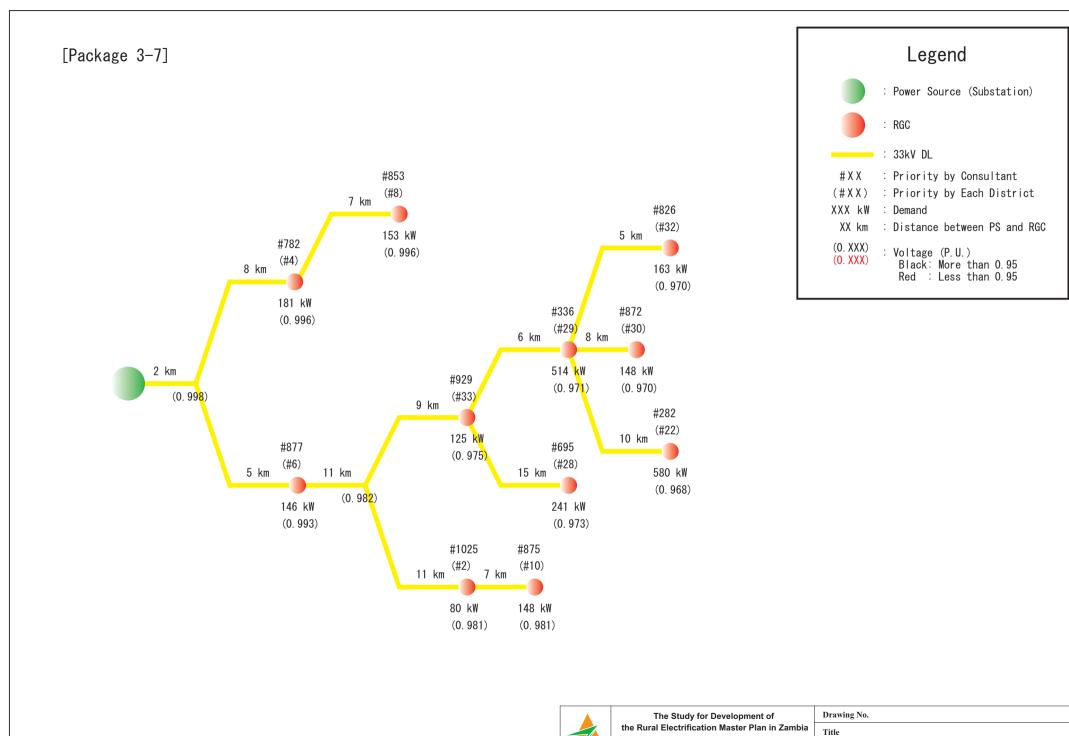


 The Study for Development of the Rural Electrification Master Plan in Zambia
 Drawing No.

 Title
 Title

 Tokyo Electric Power Company
 Feeder 3 (Participation Provide)

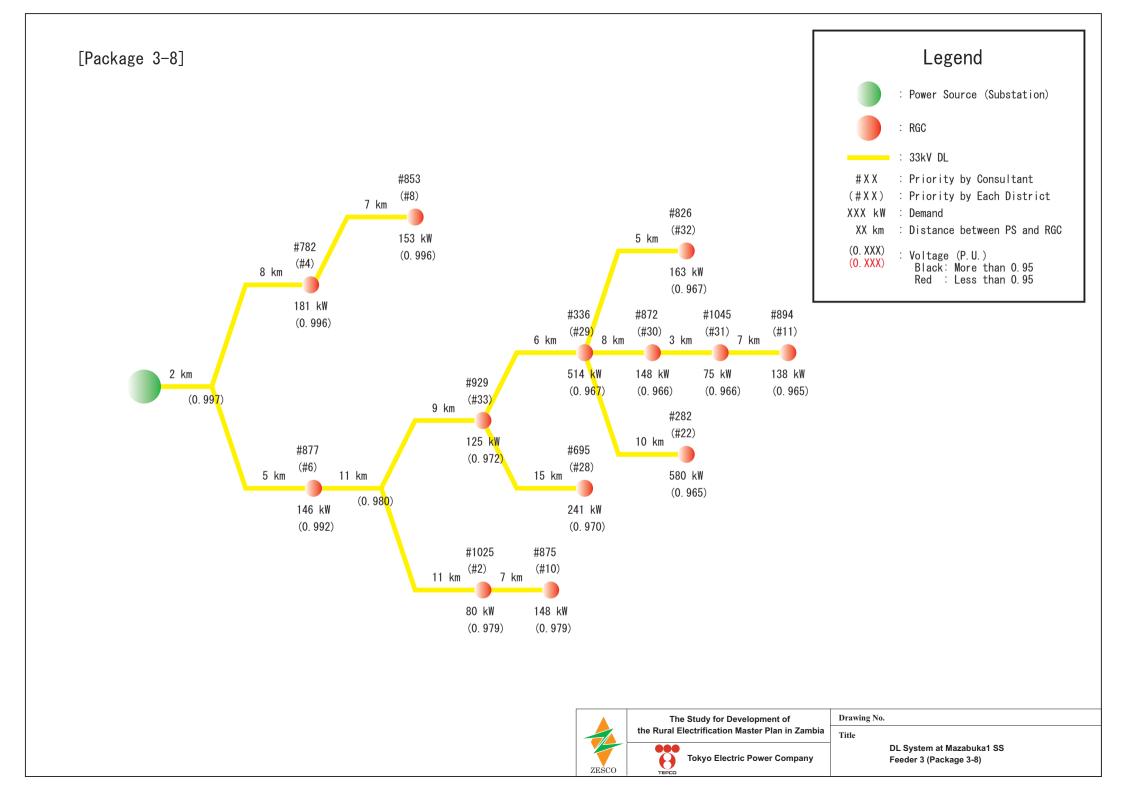
DL System at Mazabuka1 SS Feeder 3 (Package 3-6)

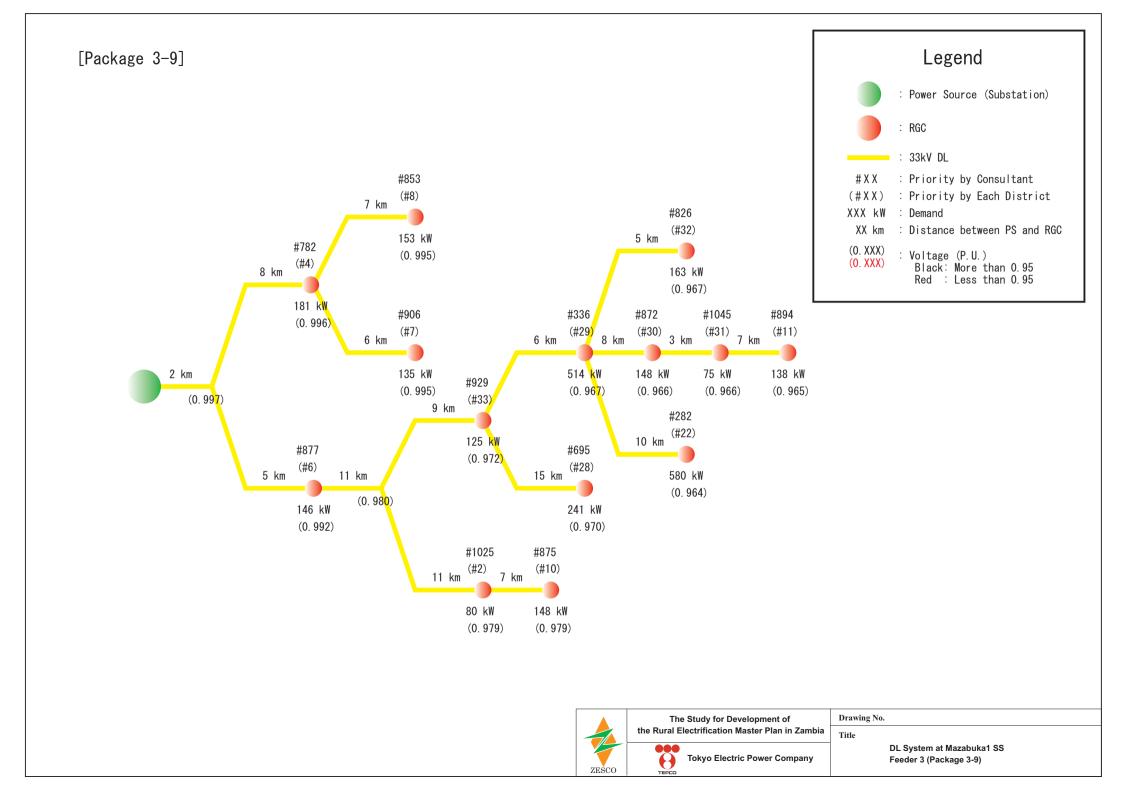


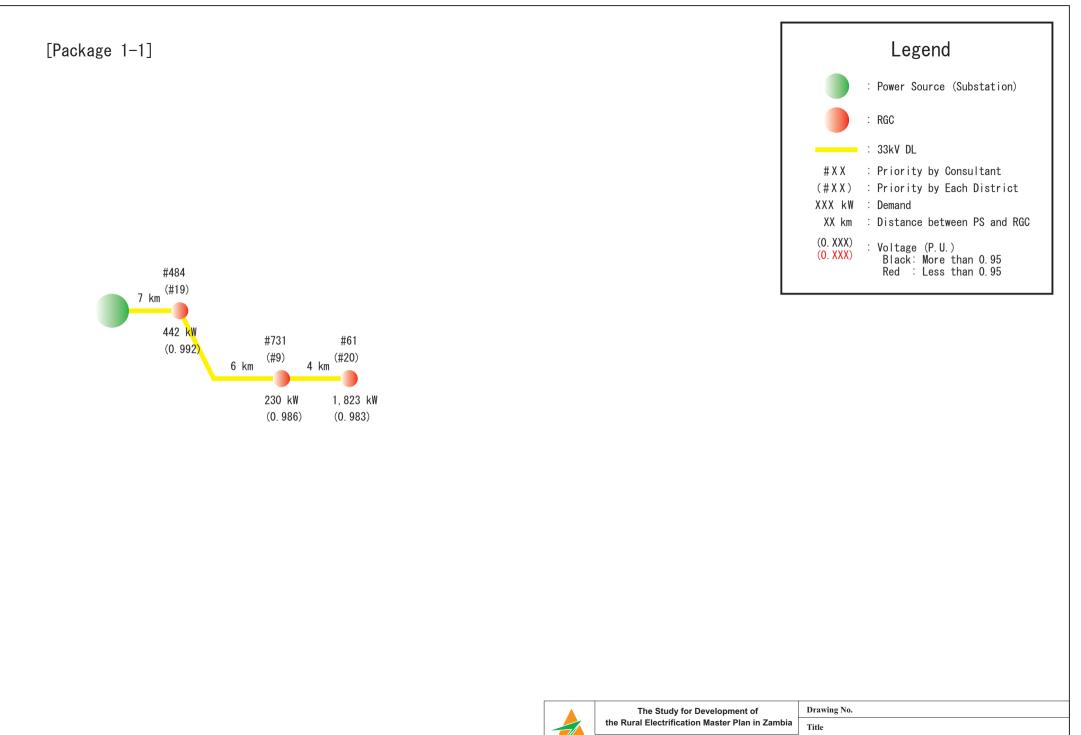
ZESCO

Tokyo Electric Power Company

DL System at Mazabuka1 SS Feeder 3 (Package 3-7)



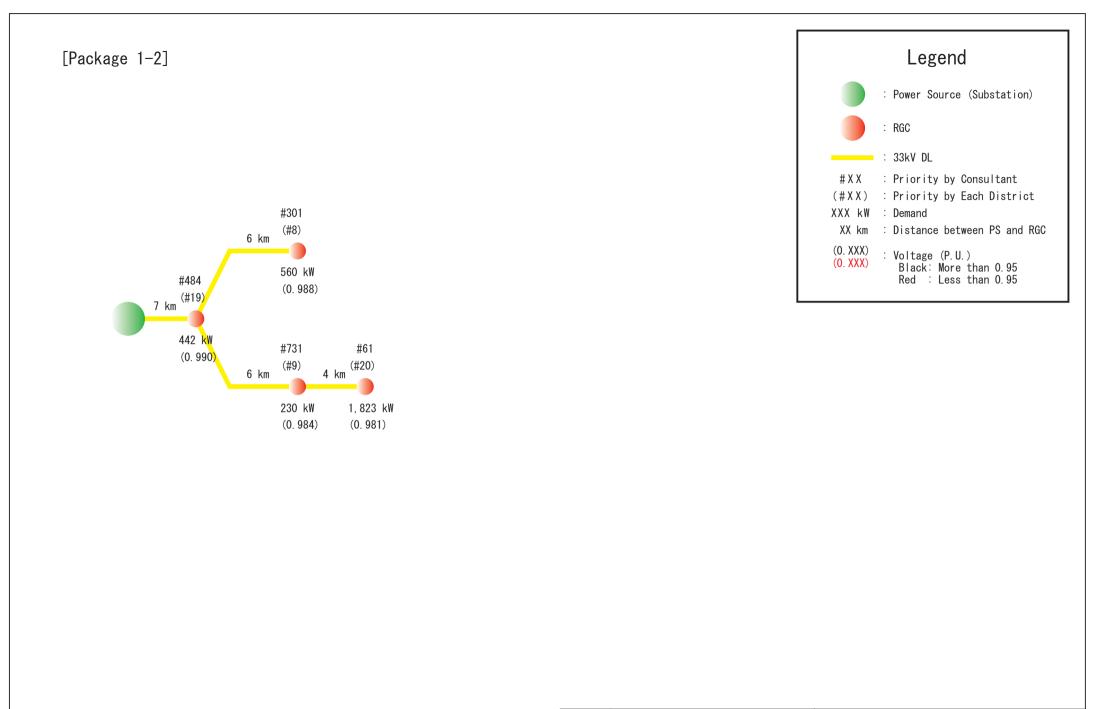




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	Tokyo Electric Power Company
TEPCO	

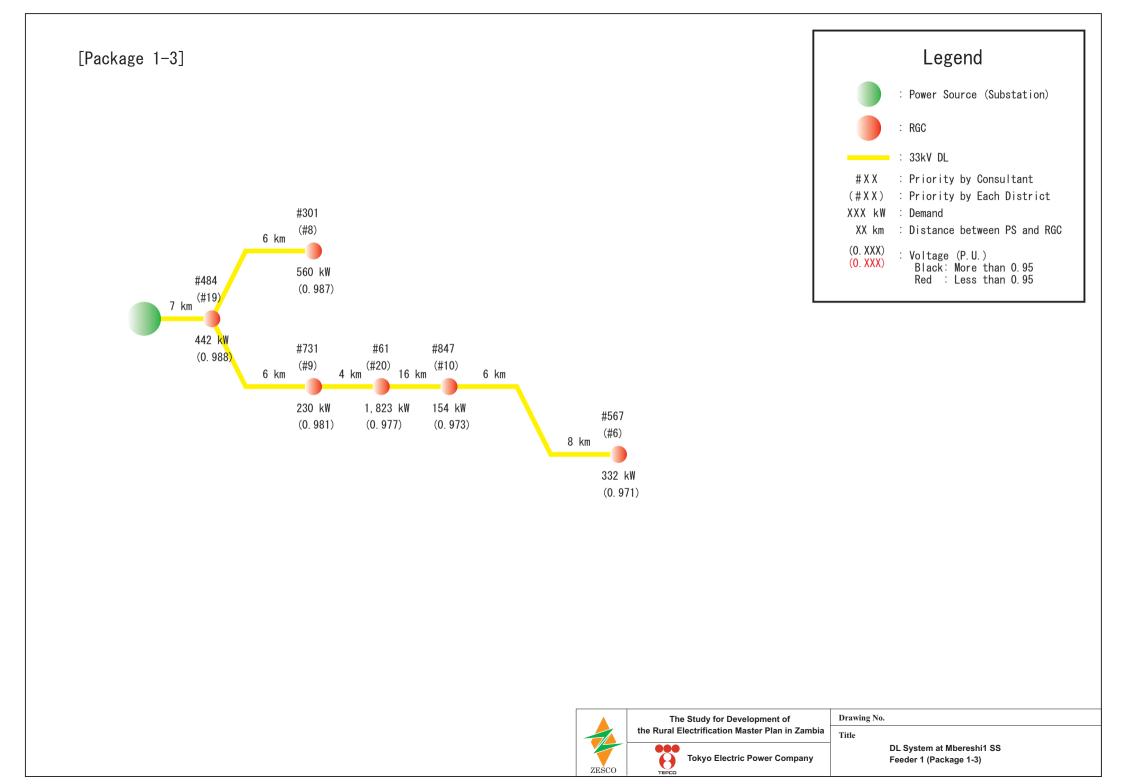
DL System at Mbereshi1 SS Feeder 1 (Package 1-1)

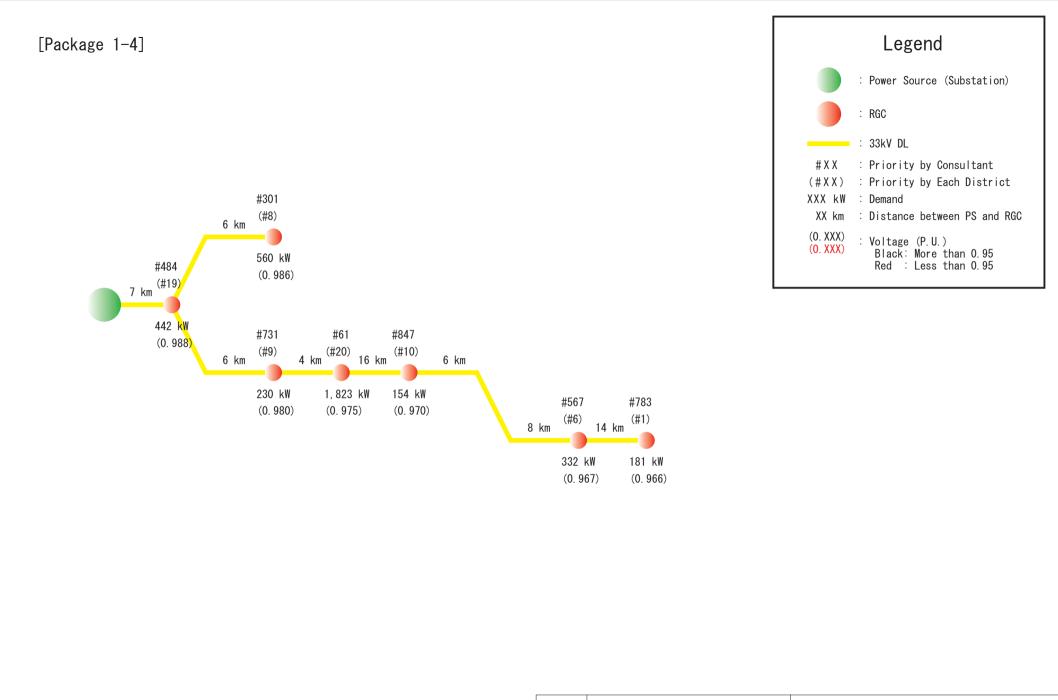


The Study for Development of the Rural Electrification Master Plan in Zambia Title Tokyo Electric Power Company ZESCO

Drawing No.

DL System at Mbereshi1 SS Feeder 1 (Package 1-2)



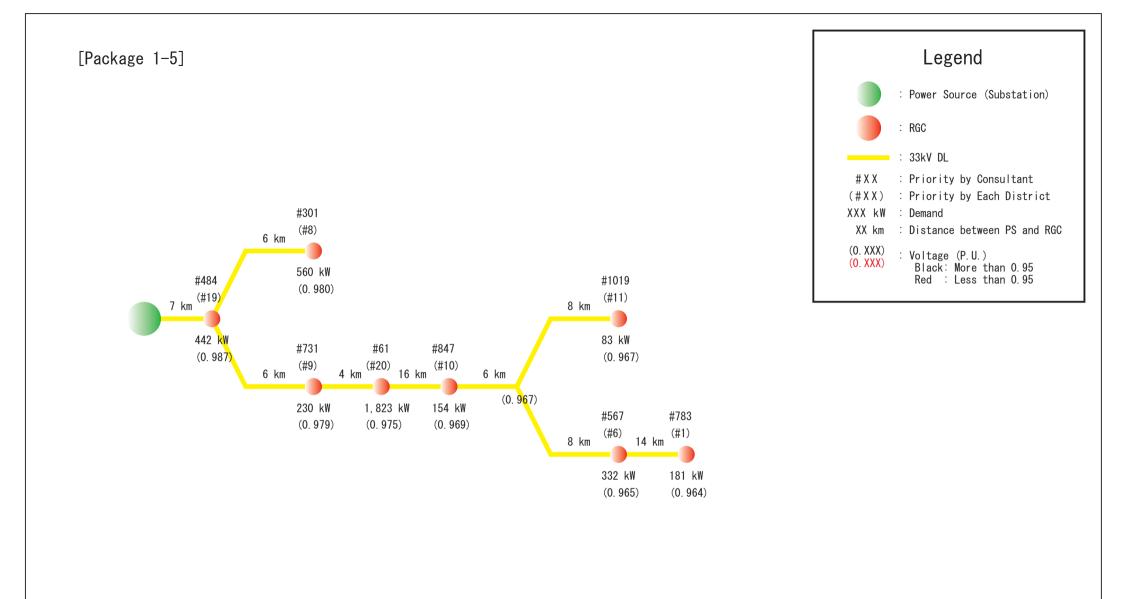


 The Study for Development of the Rural Electrification Master Plan in Zambia
 Drawing No.

 Title
 Title

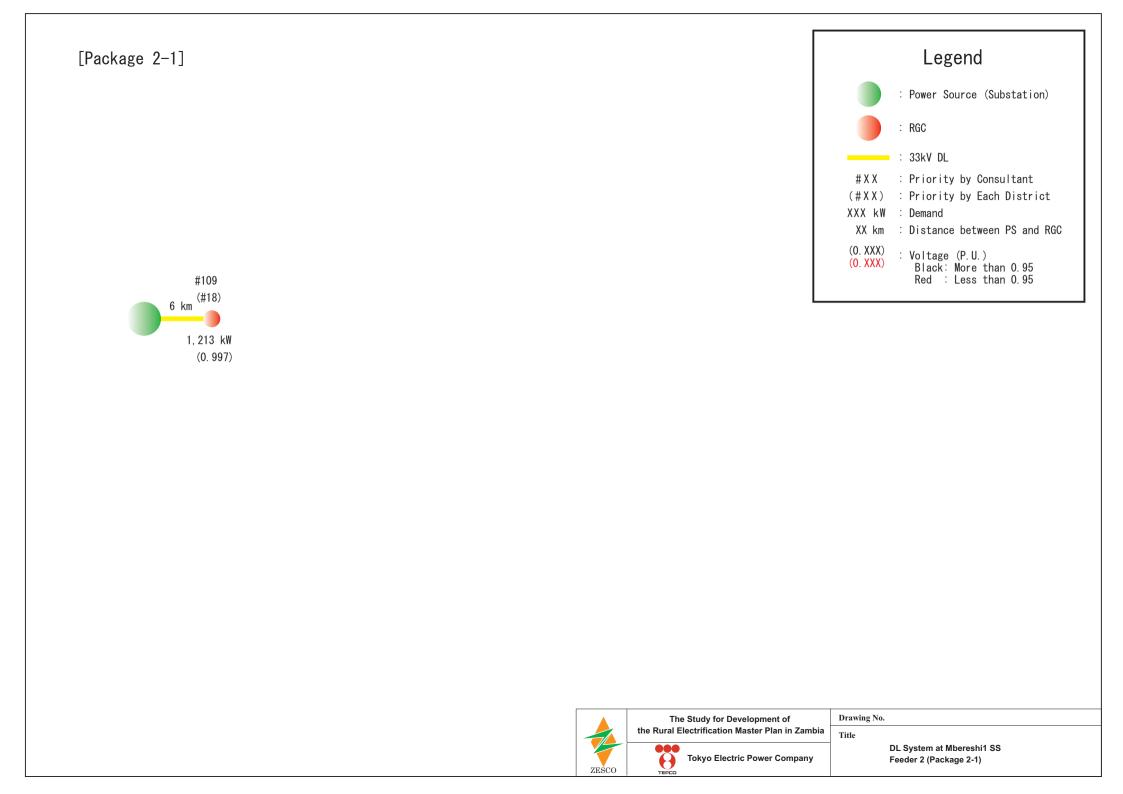
 Tokyo Electric Power Company
 Title

DL System at Mbereshi1 SS Feeder 1 (Package 1-4)





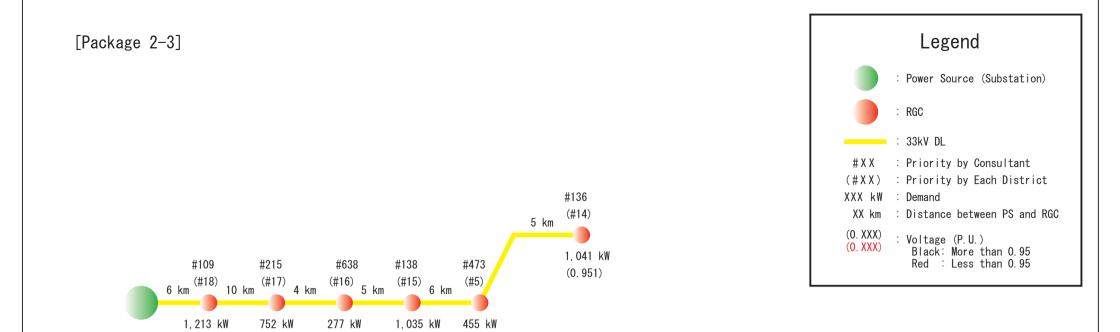
DL System at Mbereshi1 SS Feeder 1 (Package 1-5)



[Package 2-2]	Legend
	: Power Source (Substation)
	: RGC
	#XX : Priority by Consultant
	(#XX) : Priority by Each District
	XXX kW : Demand
	XX km : Distance between PS and RGC
#109 #215 #638 #138	(0.XXX) : Voltage (P.U.) (0.XXX) Black: More than 0.95 Red : Less than 0.95
$6 \text{ km}^{(\#18)}$ 10 km $^{(\#17)}$ 4 km $^{(\#16)}$ 5 km $^{(\#15)}$	

6 km ^(#18) 10 km ^(#17) 4 km ^(#16) 5 km ^(#15) 1, 213 kW 752 kW 277 kW 1, 035 kW (0. 991) (0. 981) (0. 979) (0. 976)





(0.986)

(0.969)

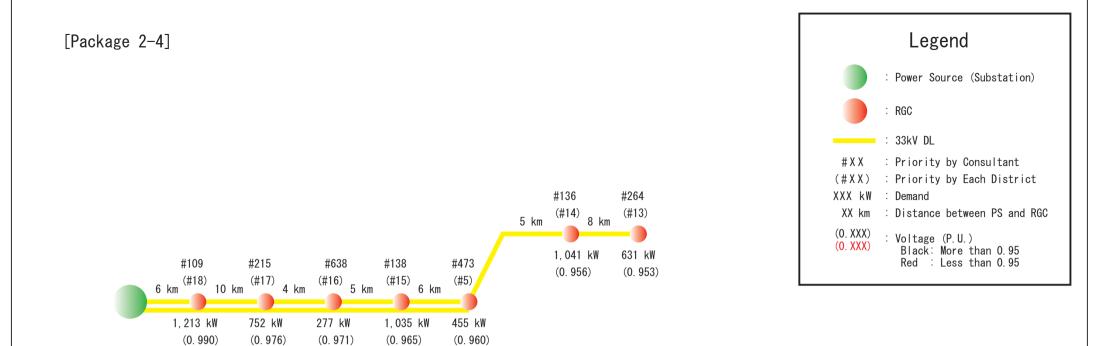
(0.964)

(0.958)

(0.954)

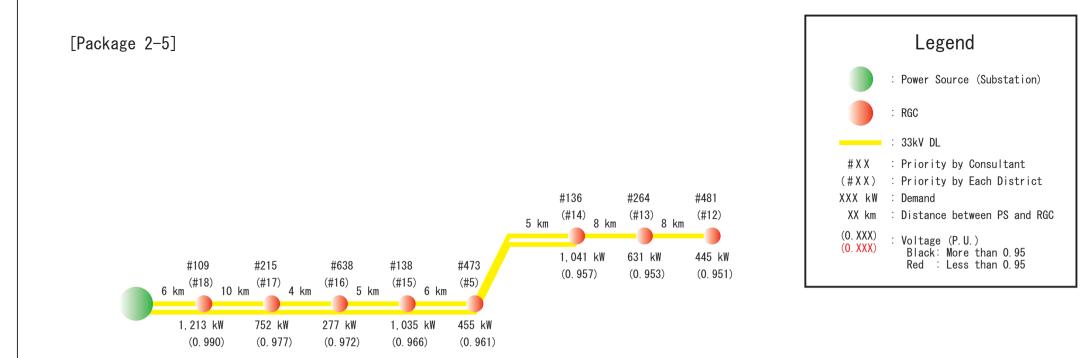
	The Study for Development of	Drawing No.
	the Rural Electrification Master Plan in Zambia	Title
ZESCO	Tokyo Electric Power Company	DL System at Mi Feeder 2 (Packa

bereshi1 SS age 2-3)



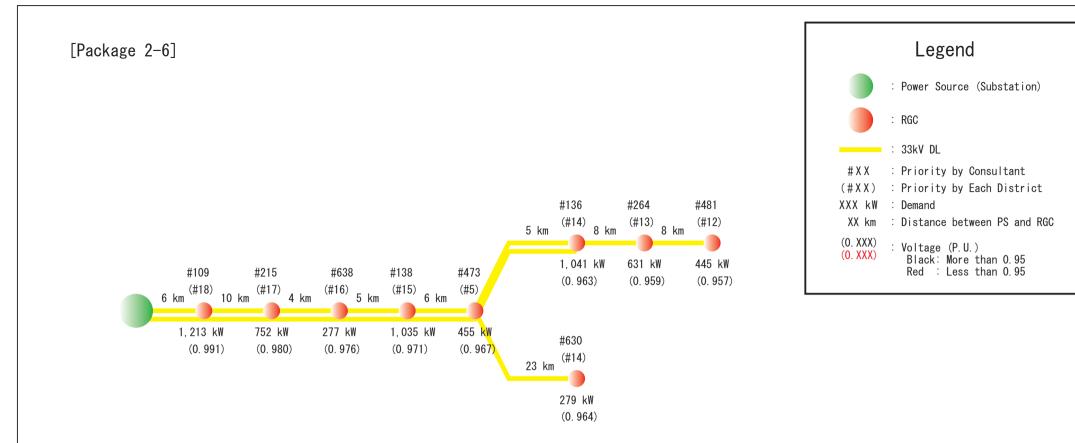
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	the Rural Electrification Master Plan in Zambia	Title
ZESCO	Tokyo Electric Power Company	DL System at Mb Feeder 2 (Packag

pereshi1 SS ge 2-4)

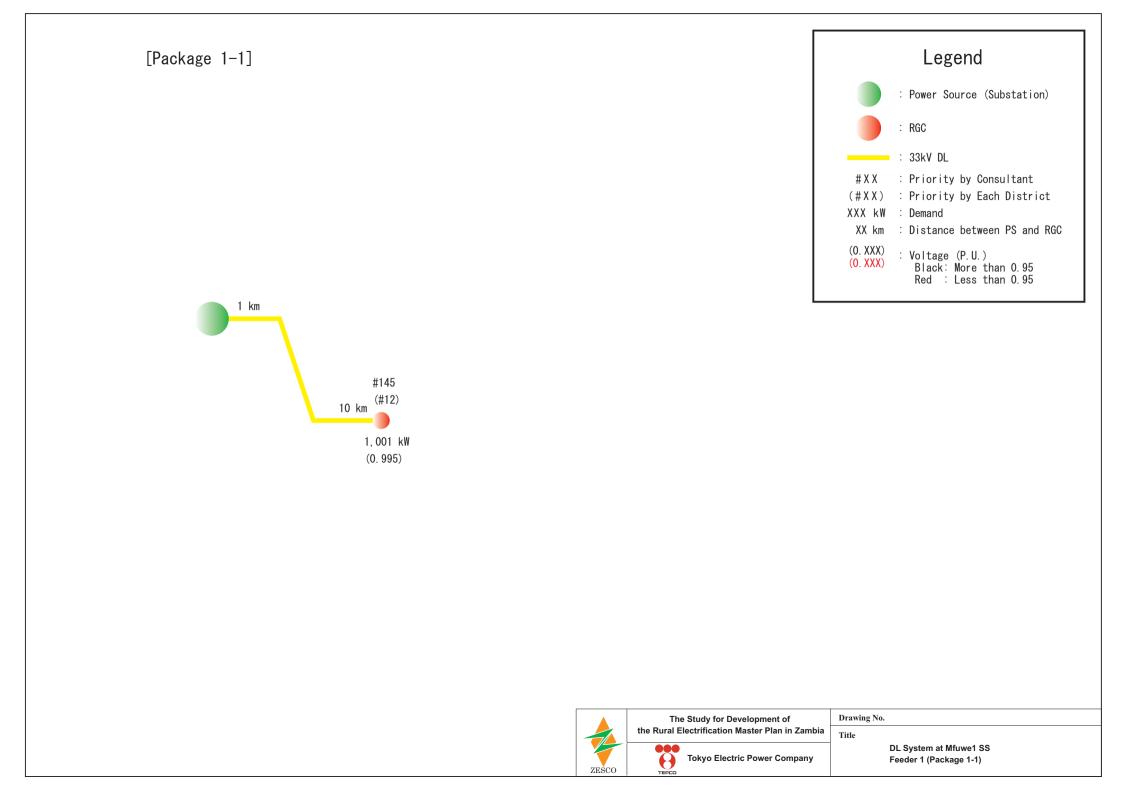


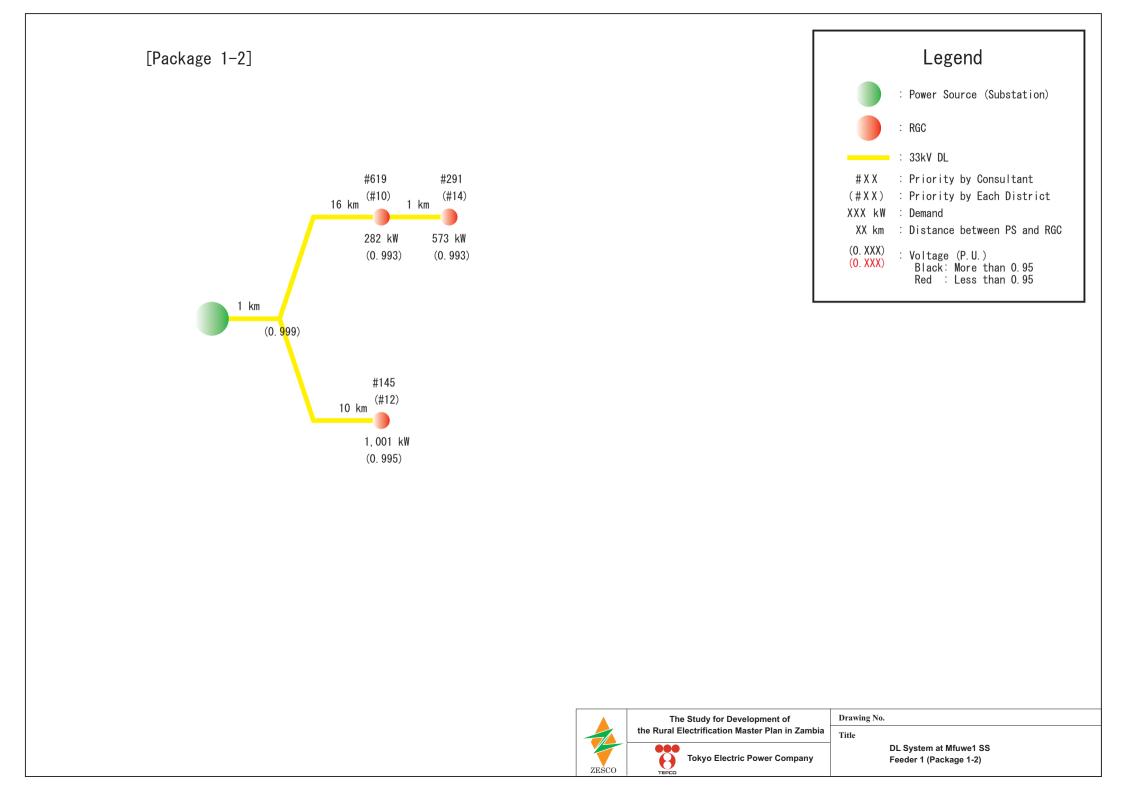
	The Study for Development of	Drawing No.
	the Rural Electrification Master Plan in Zambia	Title
ZESCO	Tokyo Electric Power Company	DL System at Mb Feeder 2 (Packag

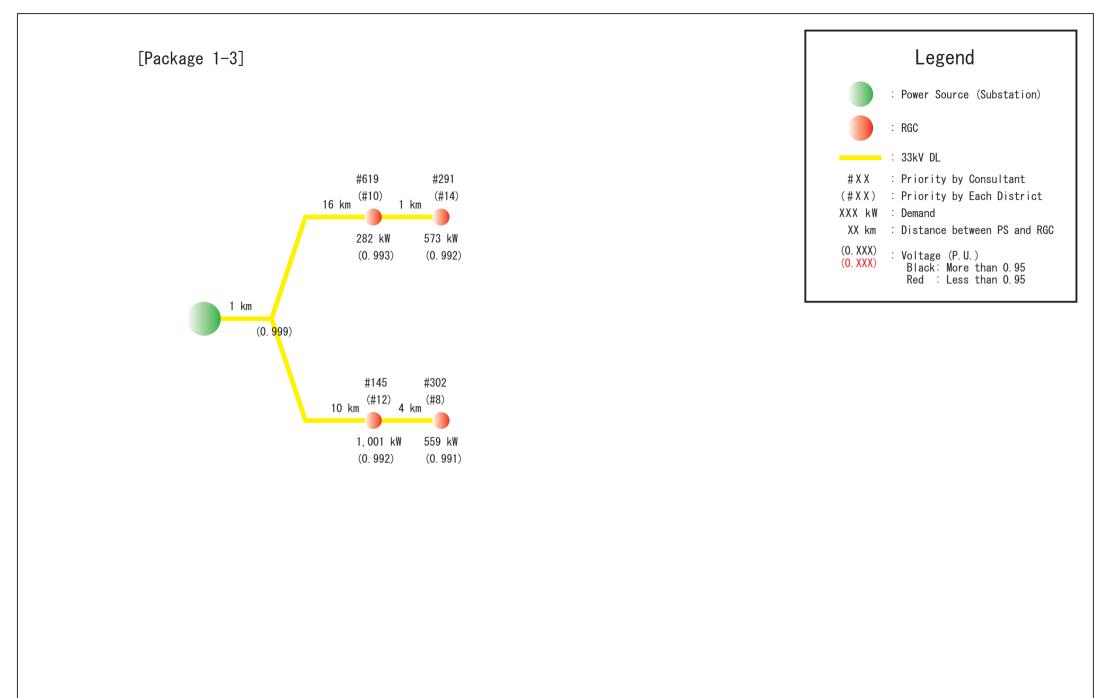
ereshi1 SS ge 2-5)



	The Study for Development of	Drawing No.
	the Rural Electrification Master Plan in Zambia	Title
ZESCO	Tokyo Electric Power Company	DL System at Mbereshi1 SS Feeder 2 (Package 2-6)

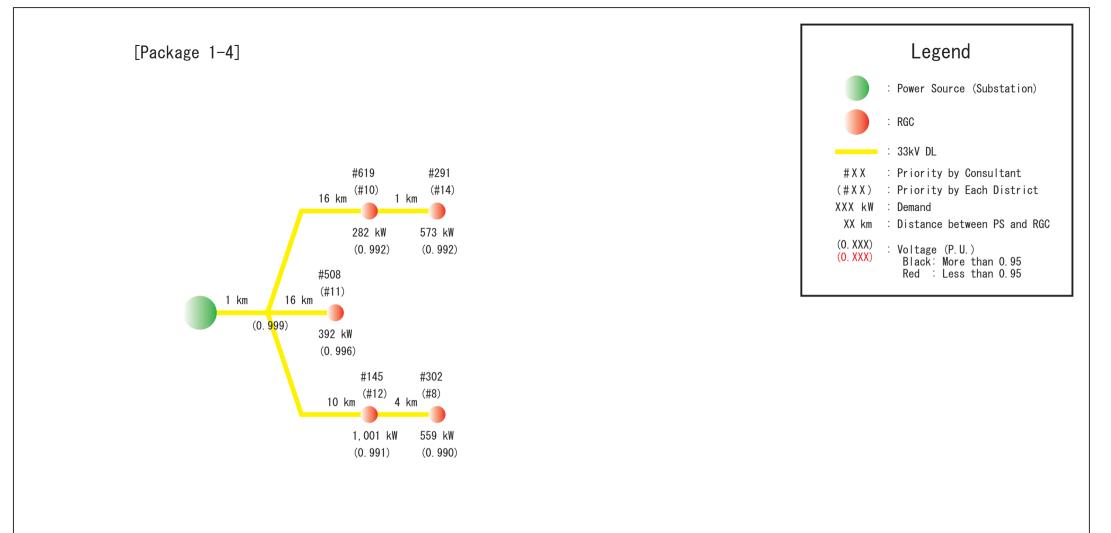








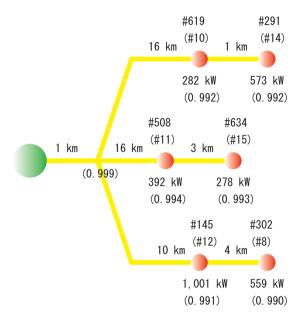
DL System at Mfuwe1 SS Feeder 1 (Package 1-3)

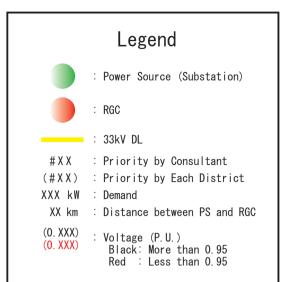




DL System at Mfuwe1 SS Feeder 1 (Package 1-4)

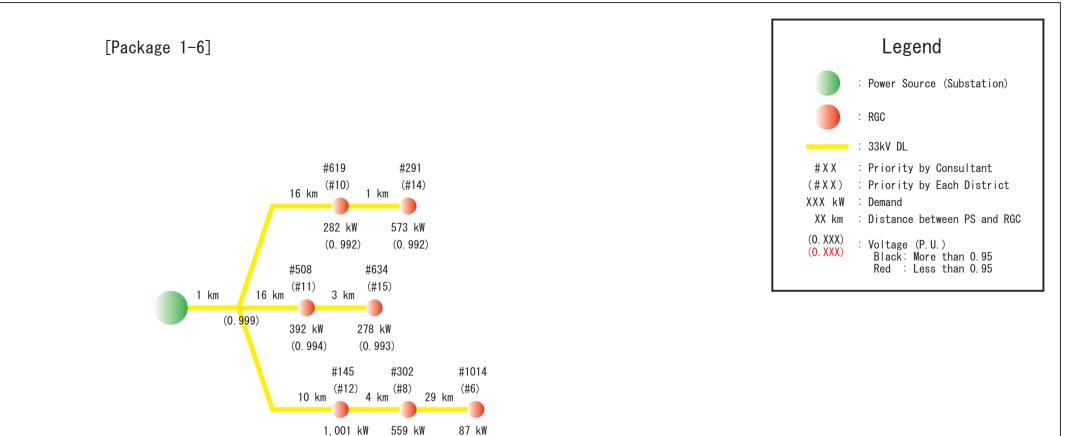
[Package 1-5]







DL System at Mfuwe1 SS Feeder 1 (Package 1-5)



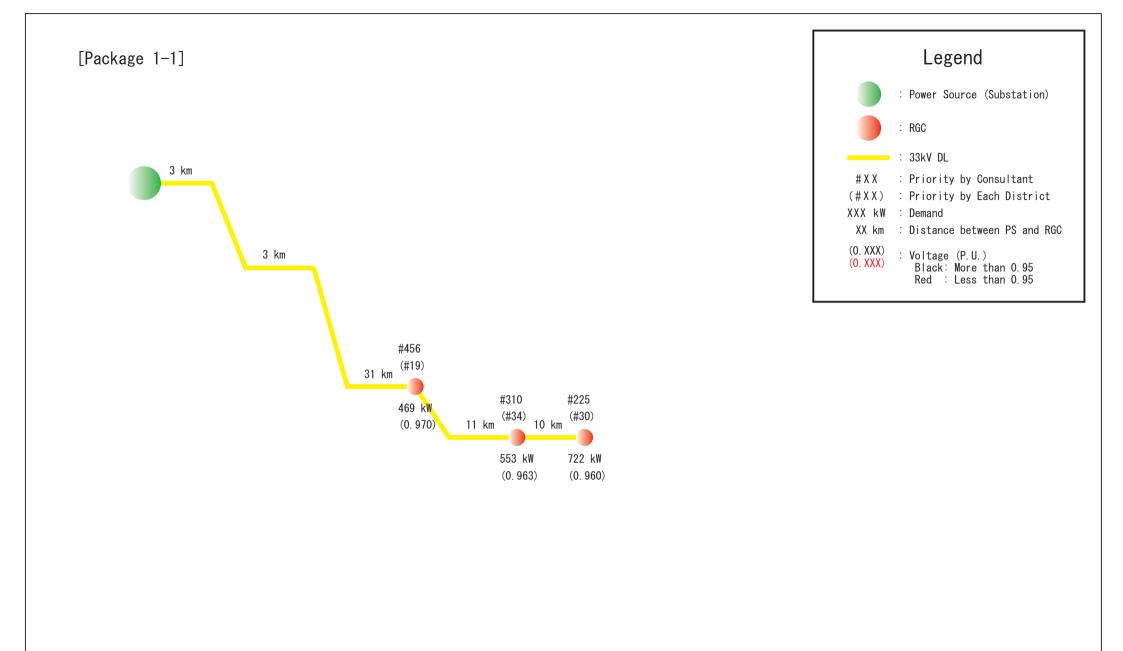
(0.991)

(0.990)

(0.989)

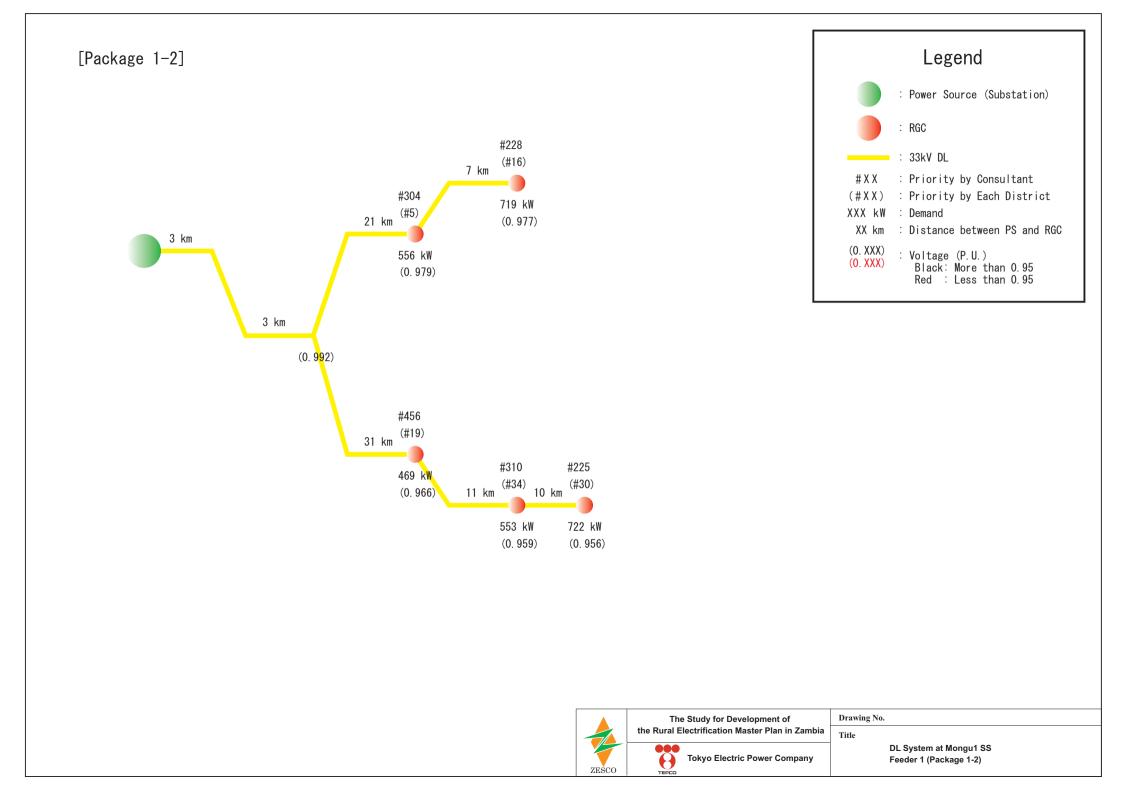


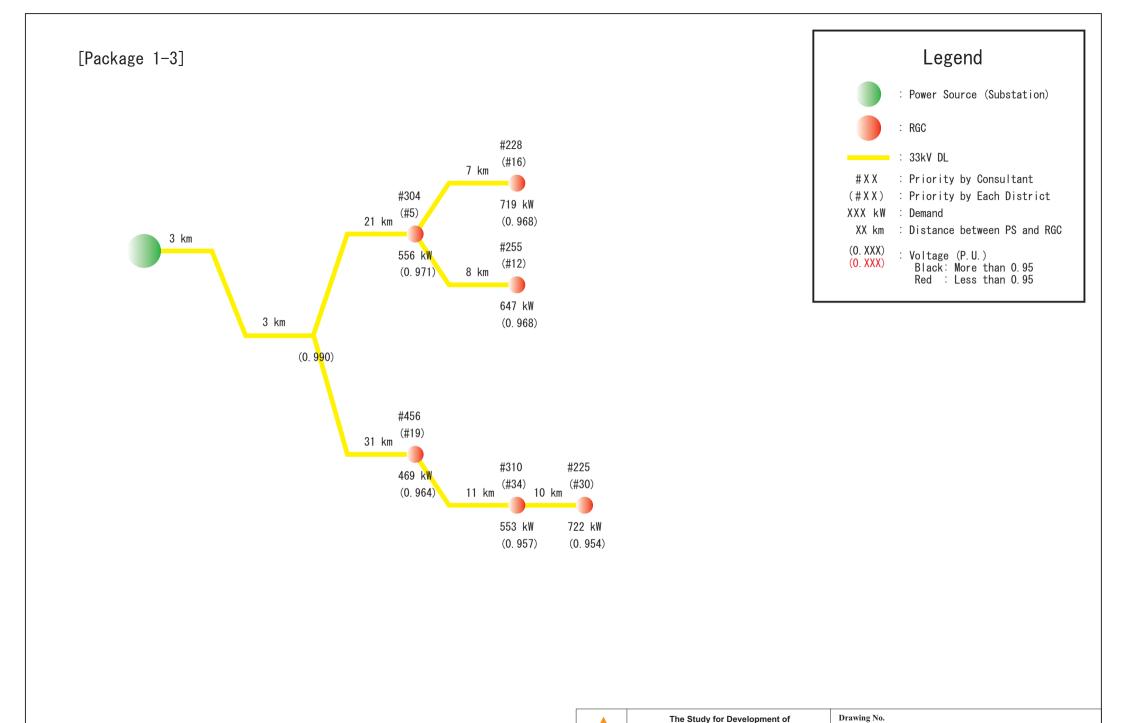
DL System at Mfuwe1 SS Feeder 1 (Package 1-6)





DL System at Mongu1 SS Feeder 1 (Package 1-1)





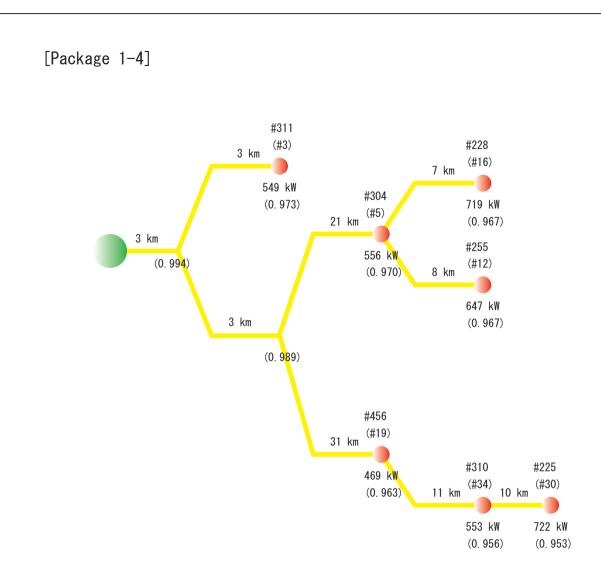
ZESCO

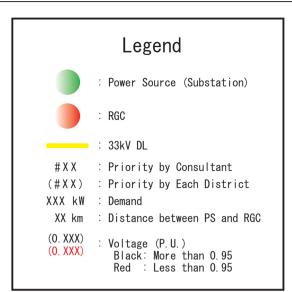
Tokyo Electric Power Company

the Rural Electrification Master Plan in Zambia

DL System at Mongu1 SS Feeder 1 (Package 1-3)

Title



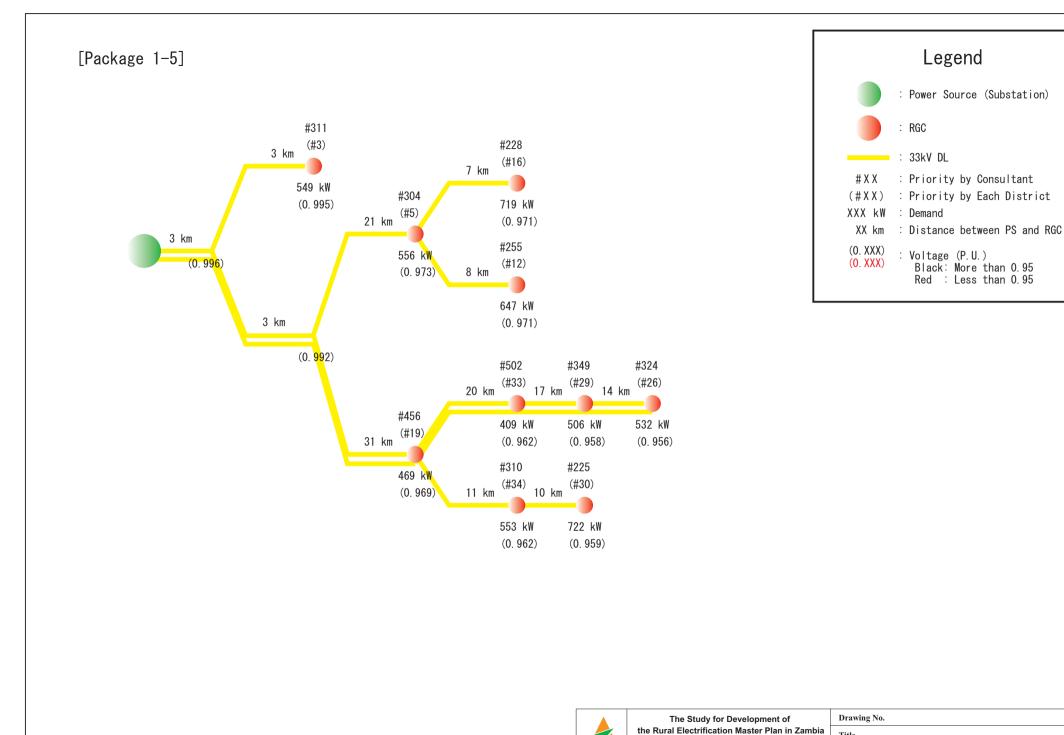


 The Study for Development of the Rural Electrification Master Plan in Zambia
 Drawing No.

 Title
 Title

 DL System Feeder 1 (F

DL System at Mongu1 SS Feeder 1 (Package 1-4)

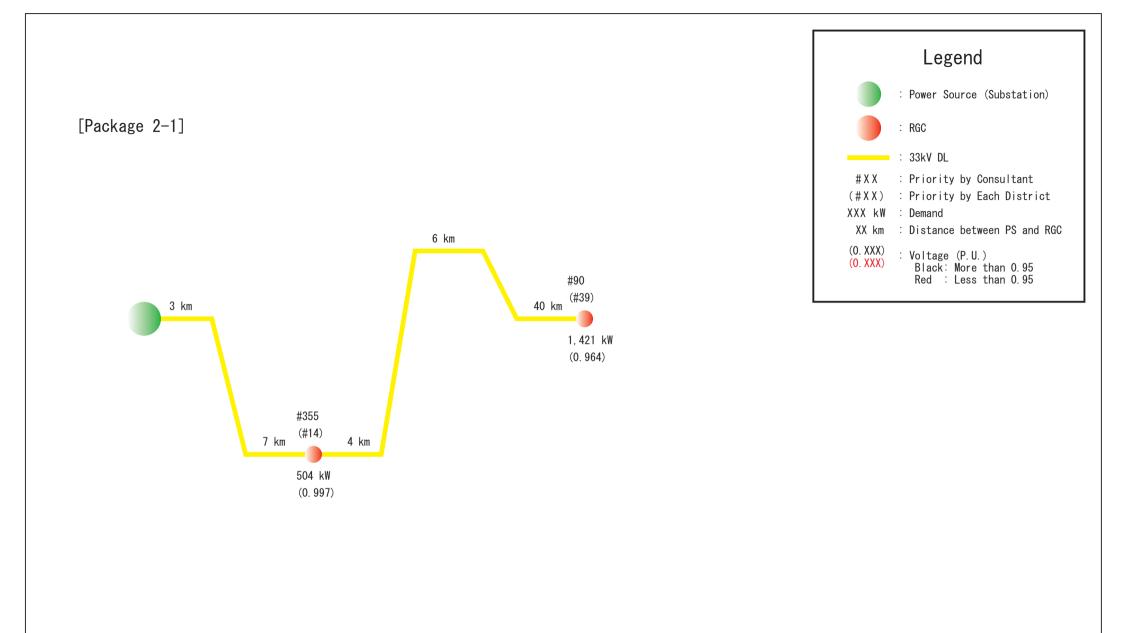


DL System at Mongu1 SS Feeder 1 (Package 1-5)

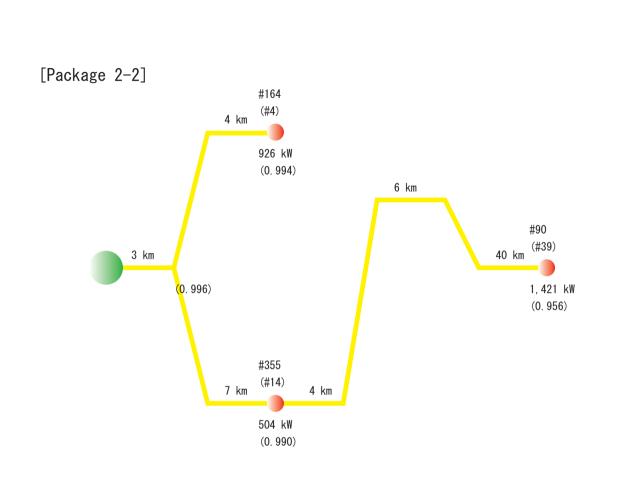
Title

Tokyo Electric Power Company

ZESCO



	The Study for Development of	Drawing No.
	the Rural Electrification Master Plan in Zambia	Title
ZESCO	Tokyo Electric Power Company	DL System at Mongu1 SS Feeder 2 (Package 2-1)

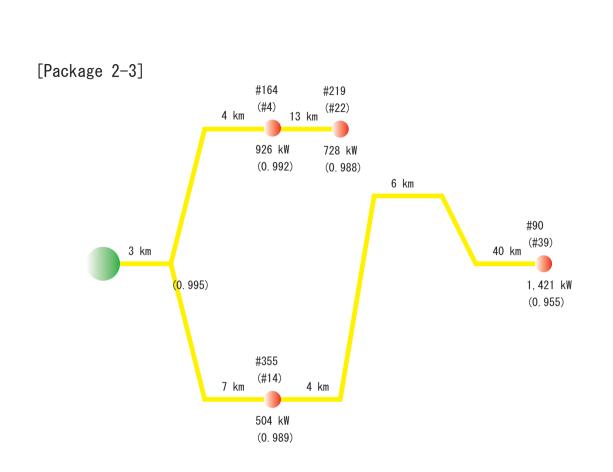


	Legend	
	: Power Source (Substation)	
	: RGC	
	: 33kV DL	
# X X	: Priority by Consultant	
(#XX)	: Priority by Each District	
XXX kW	: Demand	
XX km	: Distance between PS and RGC	
(0. XXX) (0. XXX)	: Voltage (P.U.) Black: More than 0.95 Red : Less than 0.95	

 The Study for Development of the Rural Electrification Master Plan in Zambia
 Drawing No.

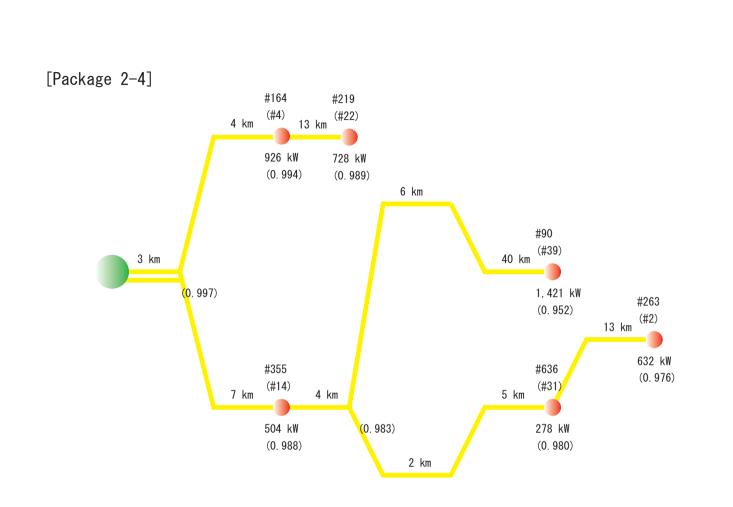
 Title
 Title

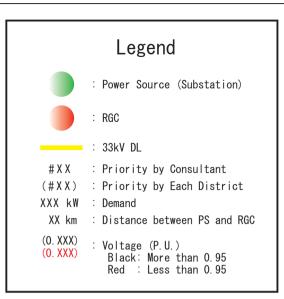
 DL System at Mongu1 SS Feeder 2 (Package 2-2)



	Legend
	: Power Source (Substation)
	RGC
	: 33kV DL
# X X	: Priority by Consultant
(#XX)	: Priority by Each District
XXX kW	: Demand
XX km	: Distance between PS and RGC
(0. XXX) (0. XXX)	: Voltage (P.U.) Black: More than 0.95 Red : Less than 0.95

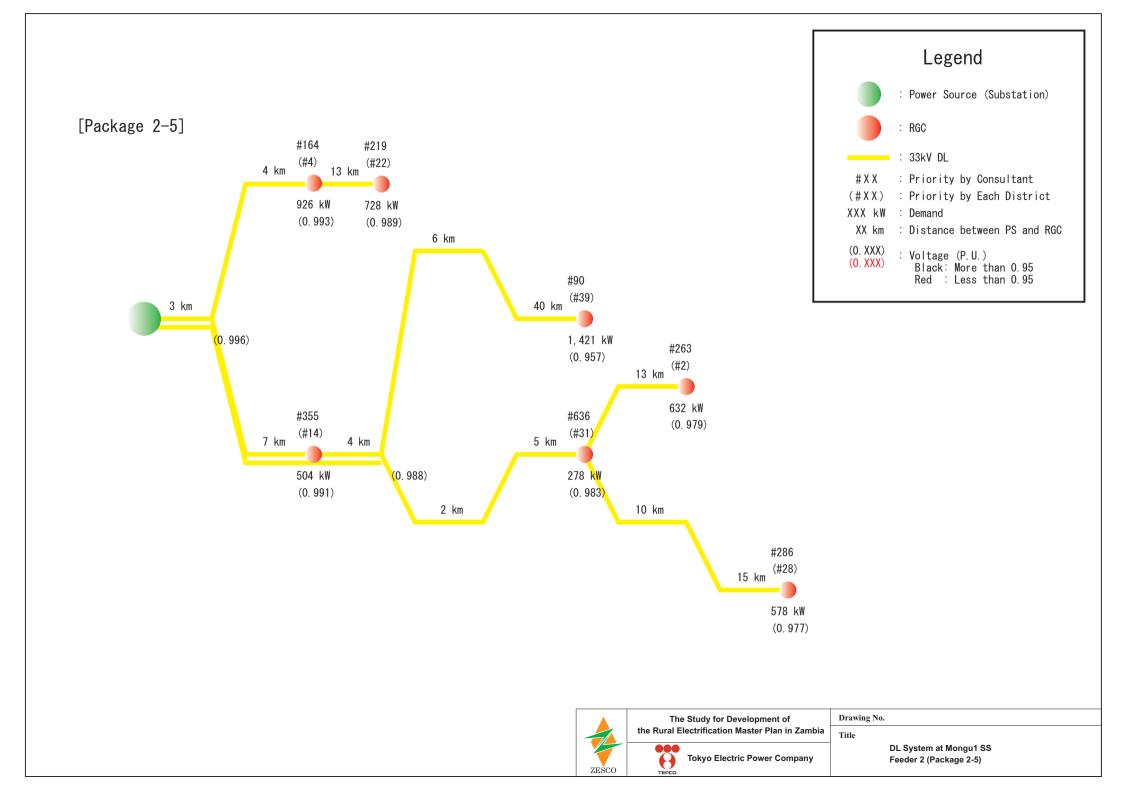


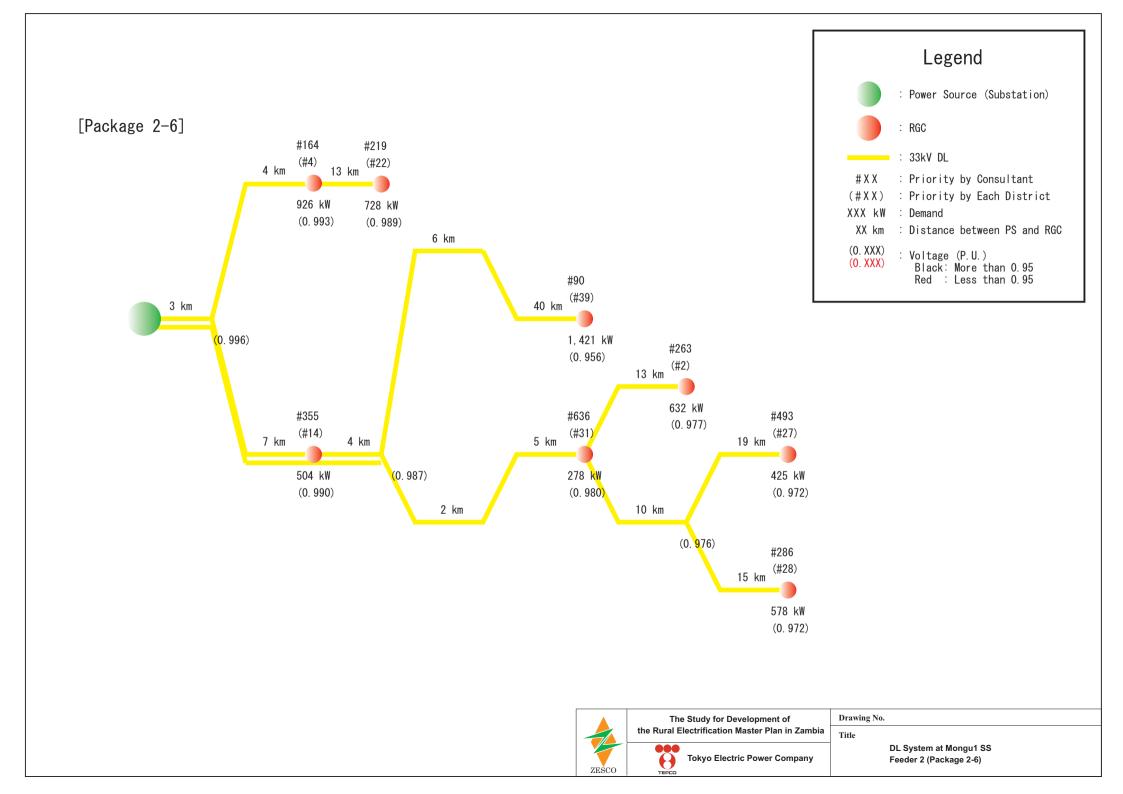


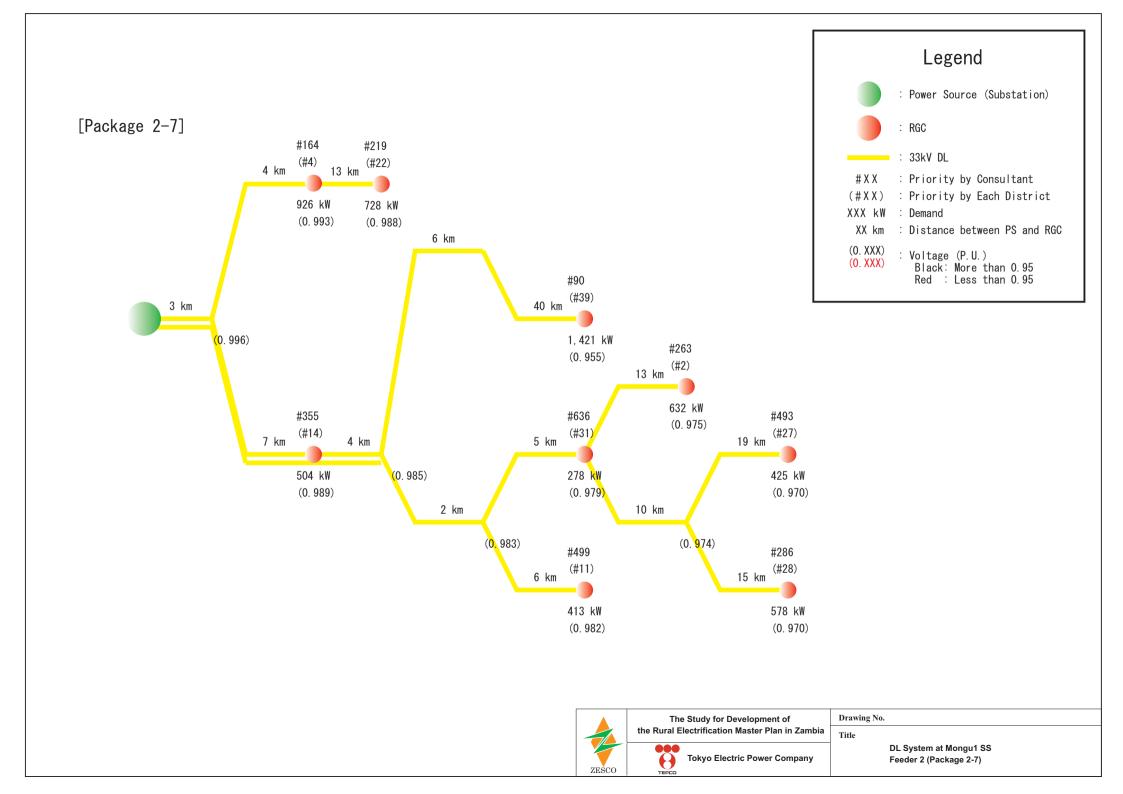


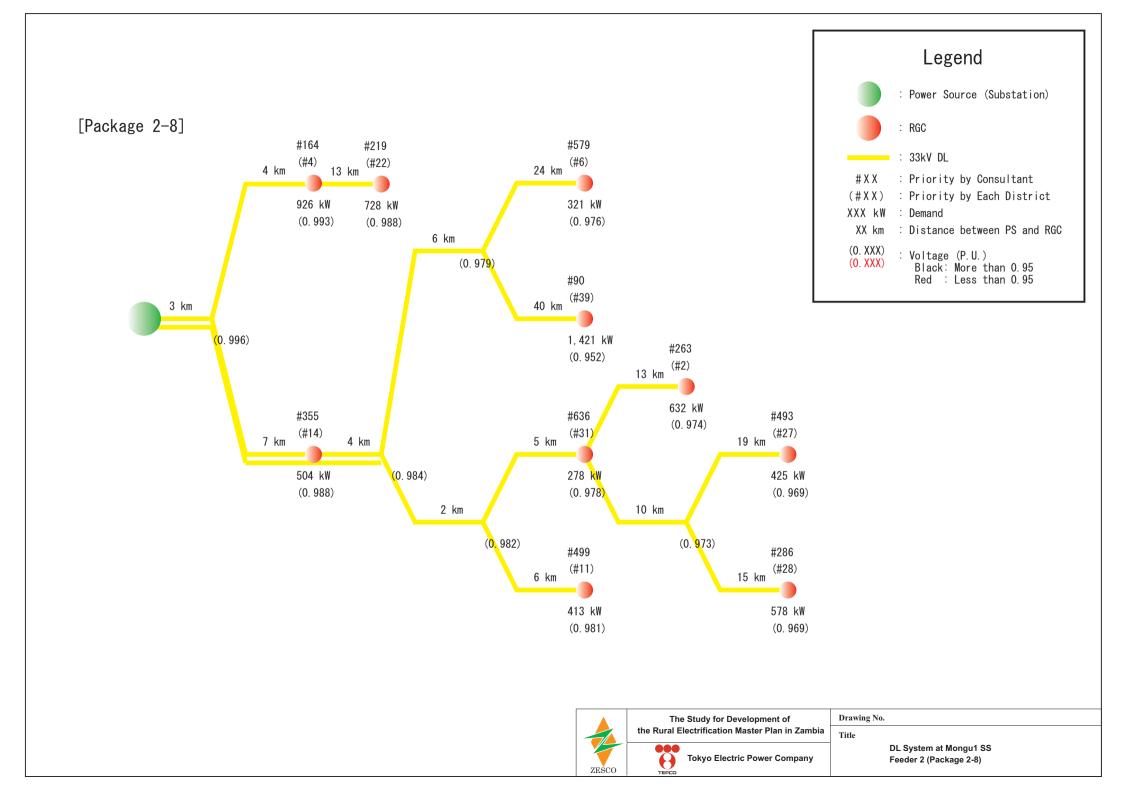


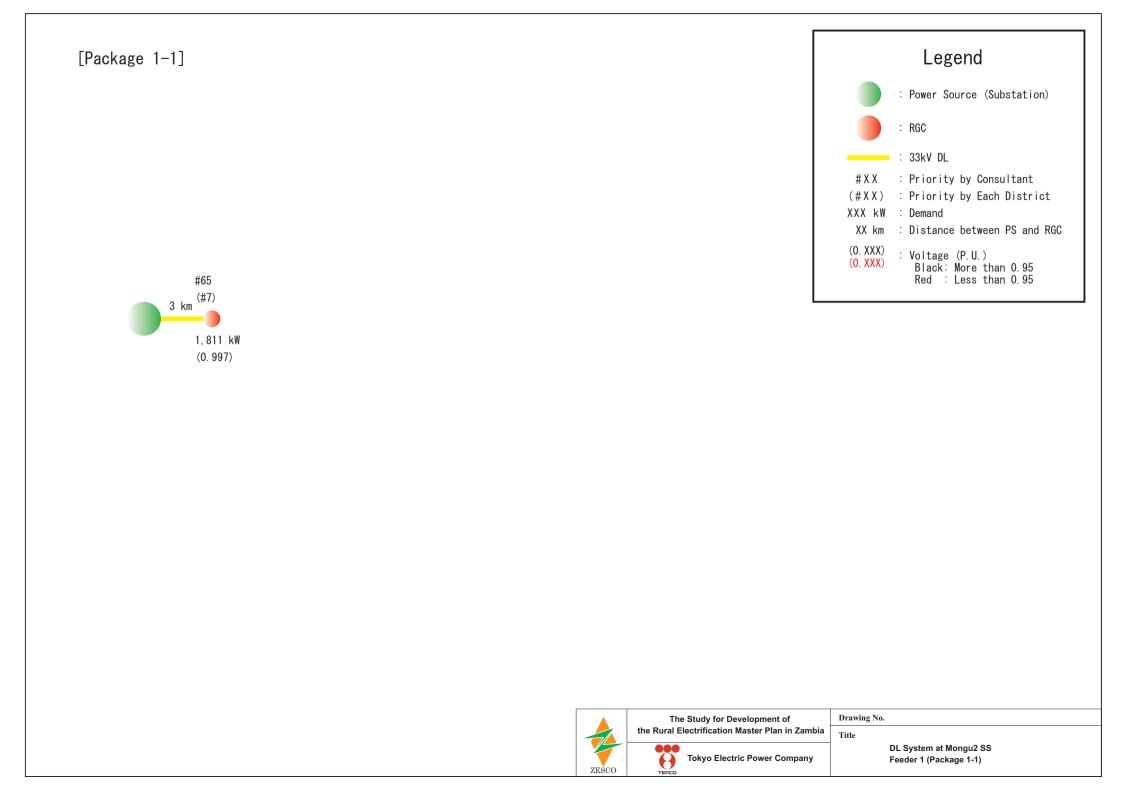
DL System at Mongu1 SS Feeder 2 (Package 2-4)



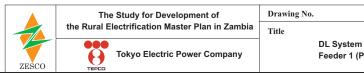




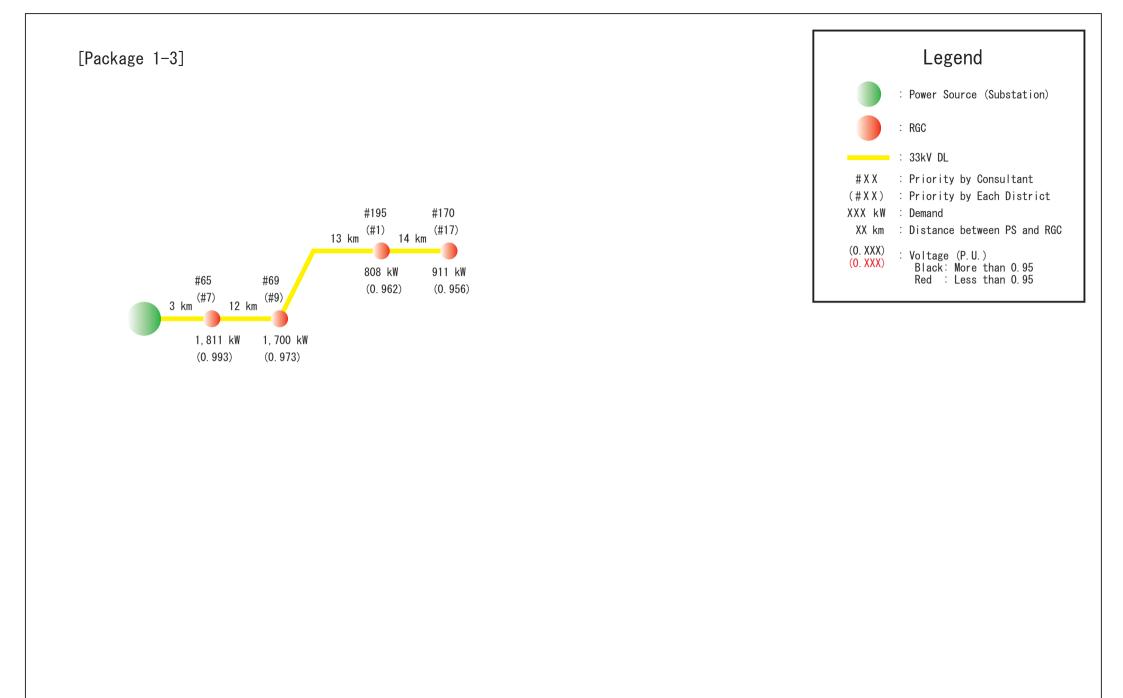




[Package 1-2]	Legend
	: Power Source (Substation)
	: RGC
3 km #65 #69 3 km (#7) 12 km 1, 811 kW 1, 700 kW (0. 995) (0. 986)	: 33kV DL #XX : Priority by Consultant (#XX) : Priority by Each District XXX kW : Demand XX km : Distance between PS and RGC (0.XXX) (0.XXX) : Voltage (P.U.) Black: More than 0.95 Red : Less than 0.95



DL System at Mongu2 SS Feeder 1 (Package 1-2)

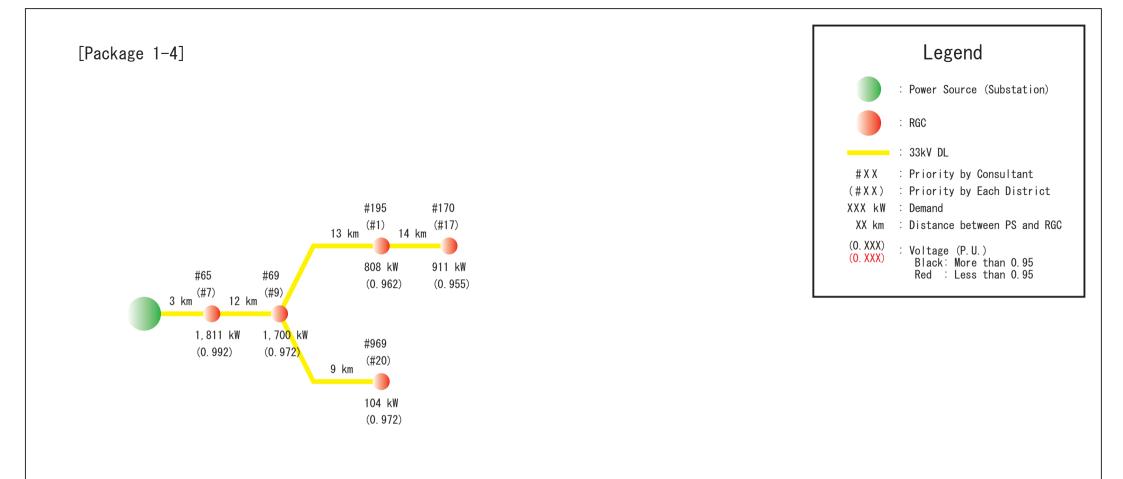


 The Study for Development of the Rural Electrification Master Plan in Zambia
 Drawing No.

 Title
 Title

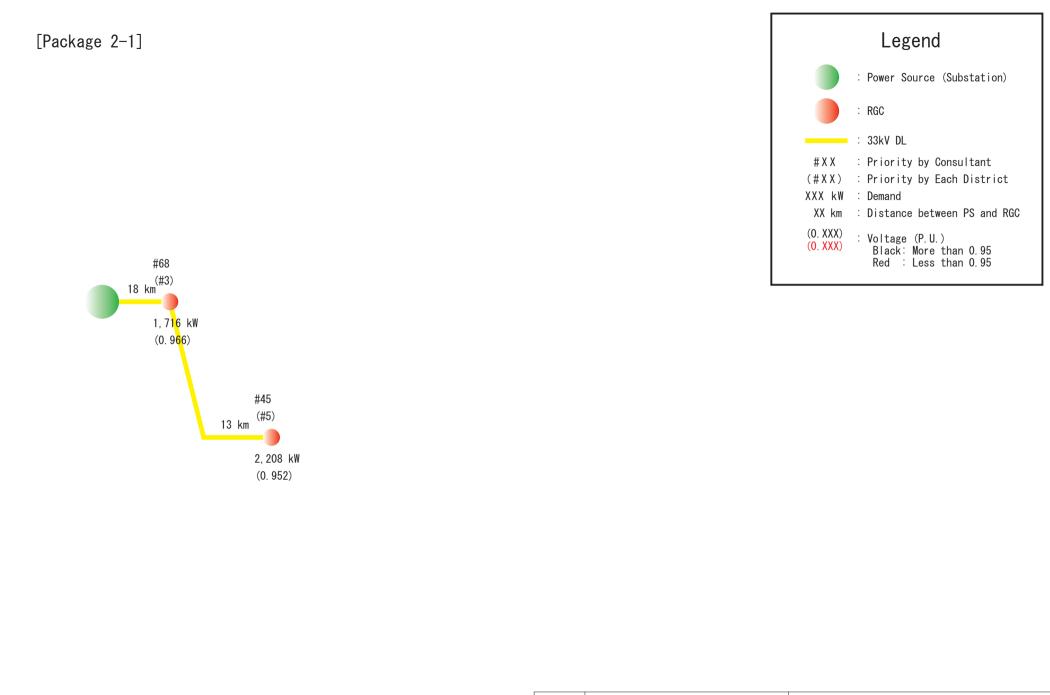
 Tokyo Electric Power Company
 Feeder

DL System at Mongu2 SS Feeder 1 (Package 1-3)





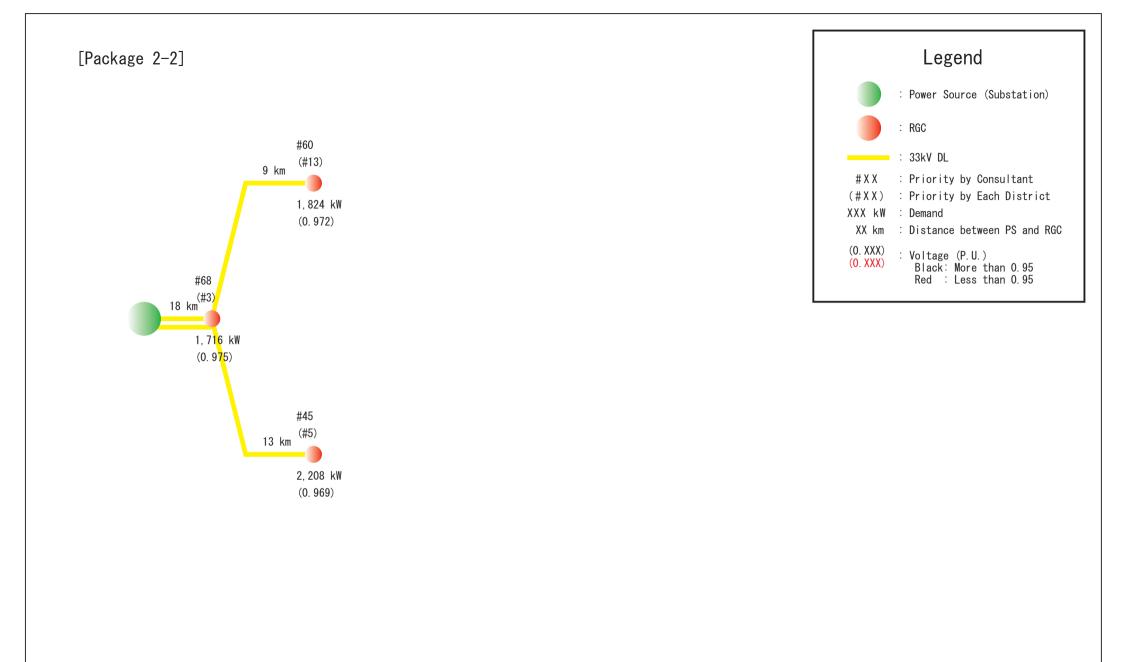
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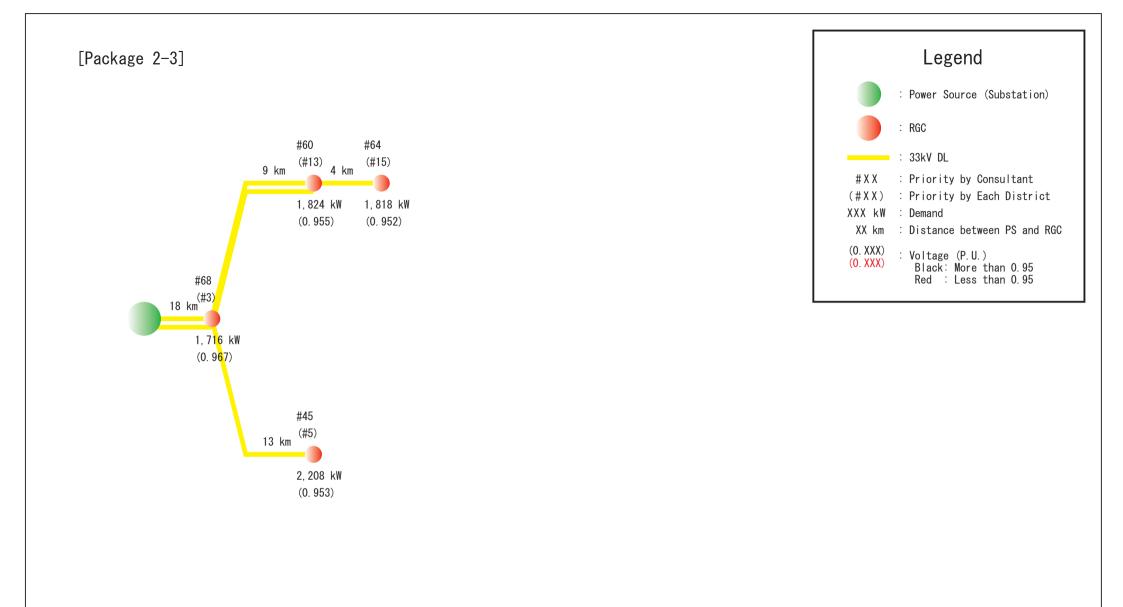
The Study for Development of the Rural Electrification Master Plan in Zambia

Drawing No. Title

> DL System at Mongu2 SS Feeder 2 (Package 2-1)

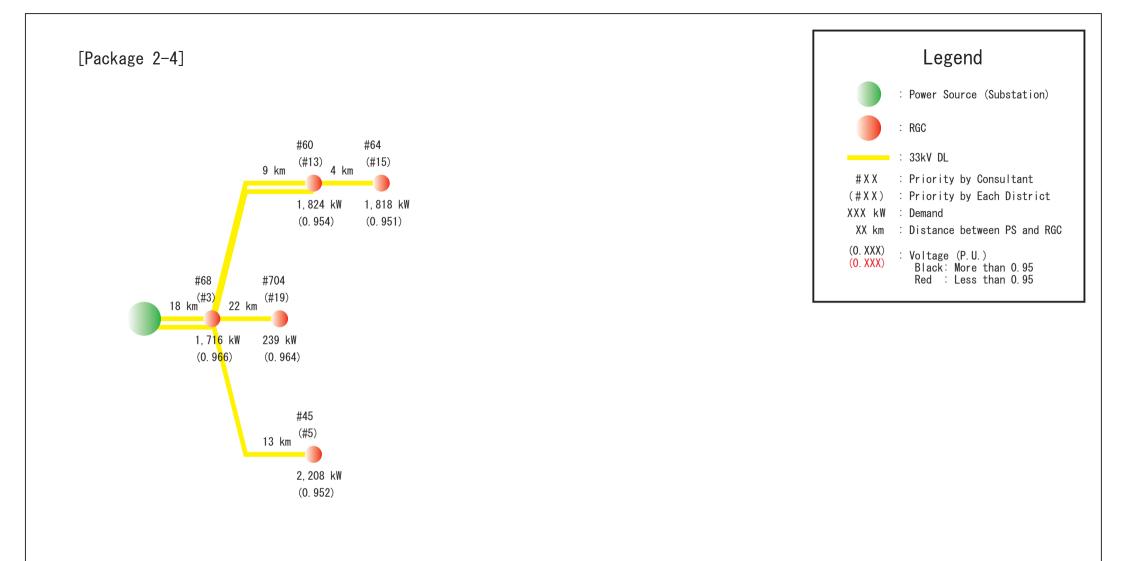


ZESCO	The Study for Development of	Drawing No.	
	the Rural Electrification Master Plan in Zambia	Title	
	Tokyo Electric Power Company	DL System at Mongu2 SS Feeder 2 (Package 2-2)	

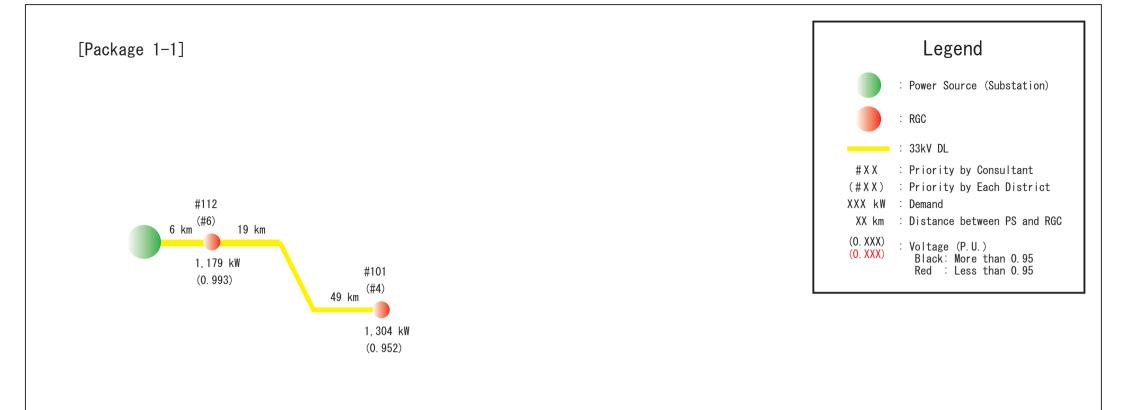




DL System at Mongu2 SS Feeder 2 (Package 2-3)

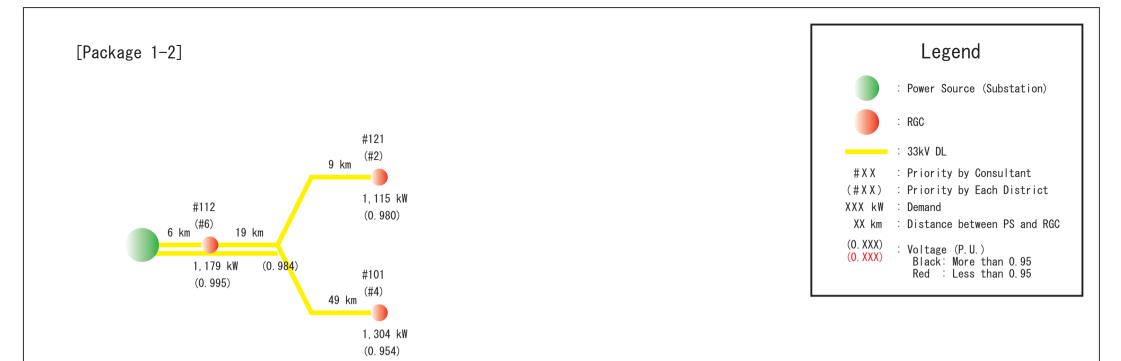






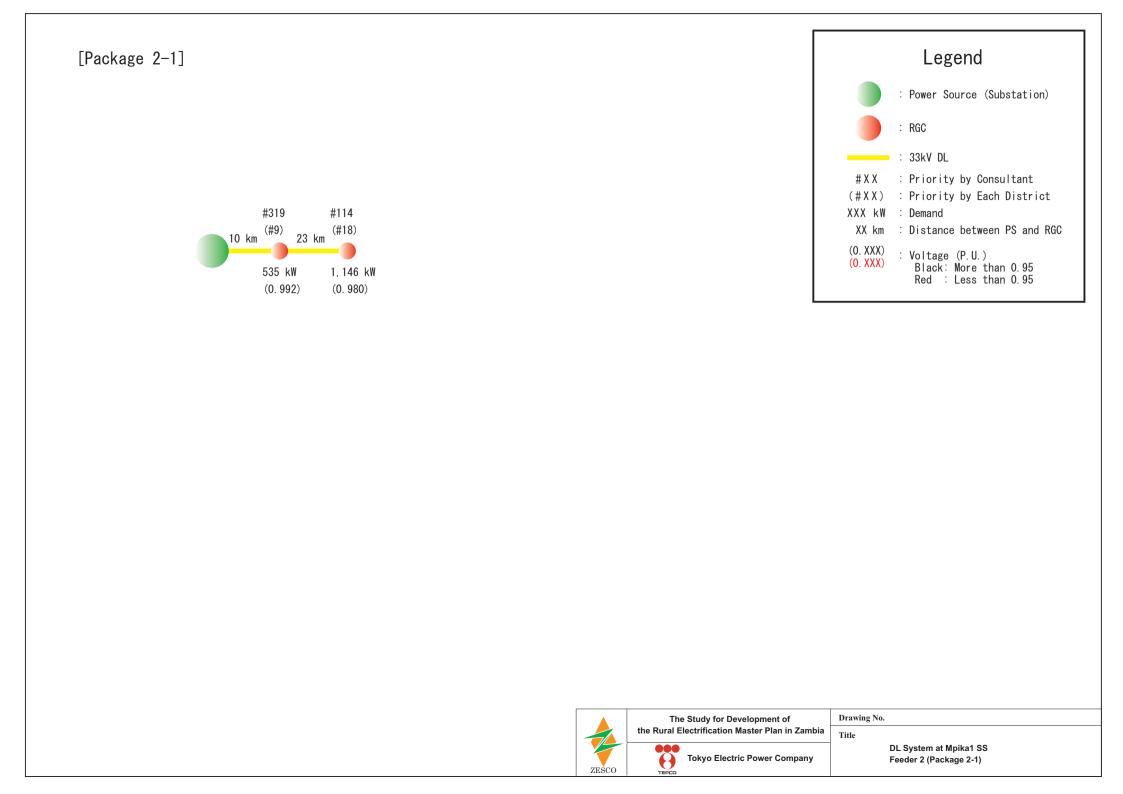
	The Study for Development of the Rural Electrification Master Plan in Zambia	Drawing No. Title
ZESCO	Tokyo Electric Power Company	DL System at Feeder 1 (Pae

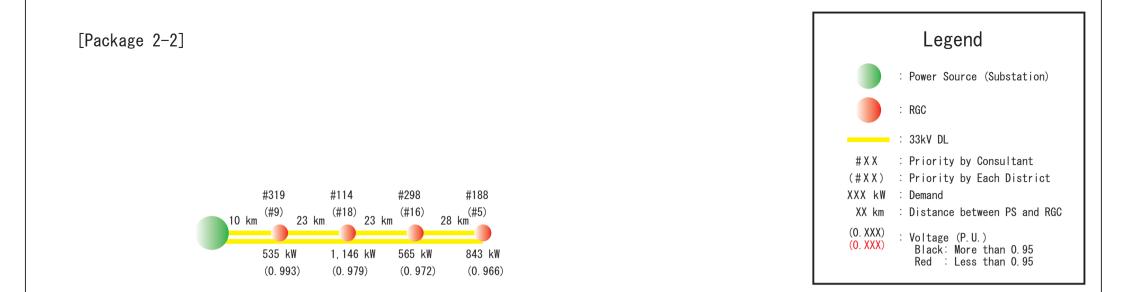
t Mpika1 SS ckage 1-1)



	The Study for Development of		Drawing No.		
		the Rural Electrification Master Plan in Zambia		Title	
ZESCO	Toky	Electric Power Company		DL System at Feeder 1 (Pac	

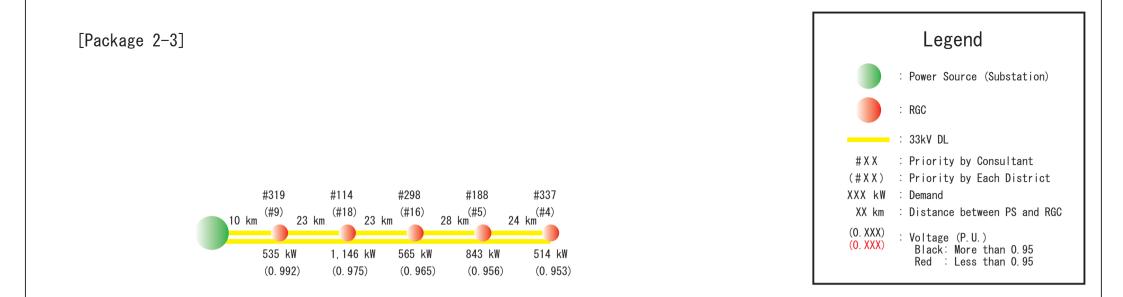
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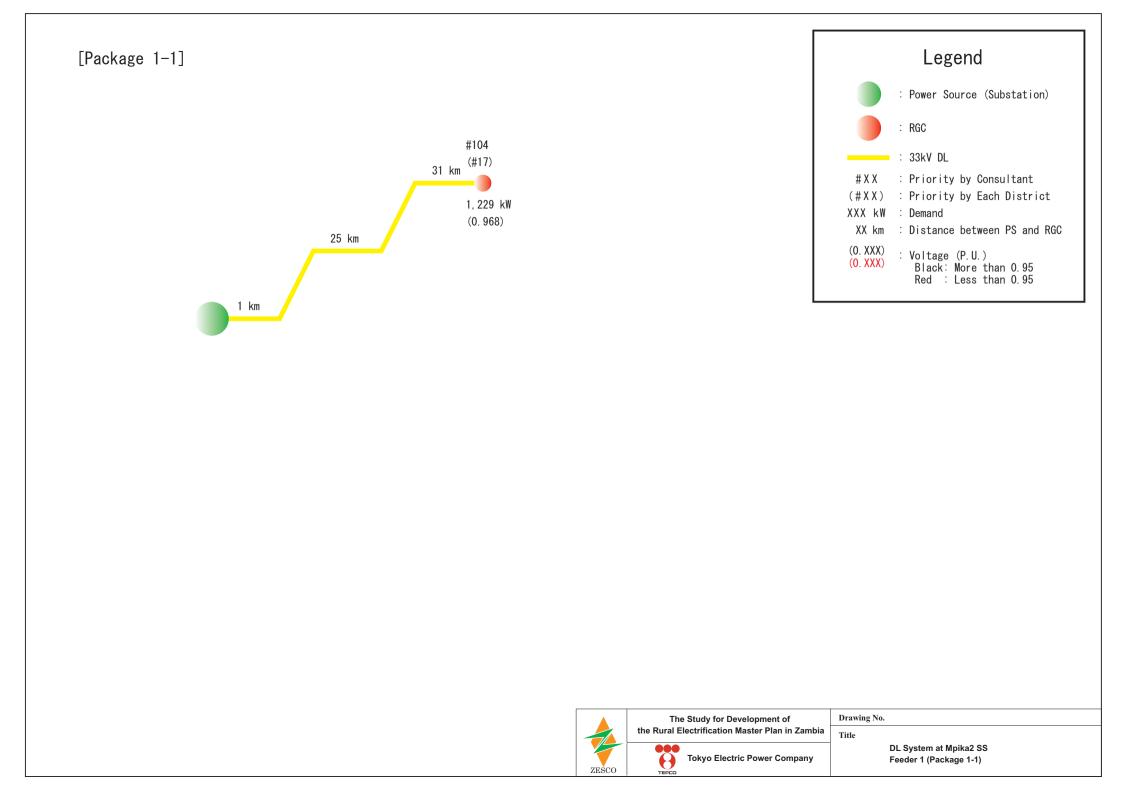
The Study for Development of		Drawing No.
	the Rural Electrification Master Plan in Zambia	Title
ZESCO	Tokyo Electric Power Company	DL System at Feeder 2 (Pac

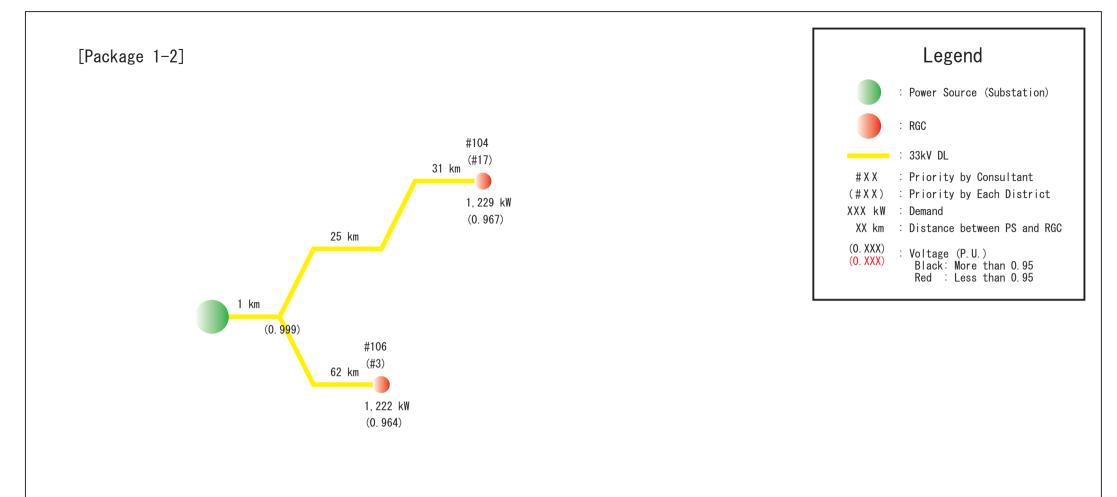
t Mpika1 SS ckage 2-2)



	The Study for Development of	Drawing No.
ZESCO	the Rural Electrification Master Plan in Zambia	Title
	Tokyo Electric Power Company	DL System at I Feeder 2 (Pack

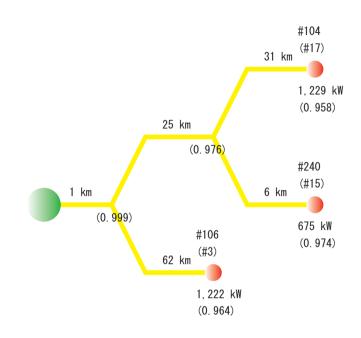
Mpika1 SS (age 2-3)







[Package 1-3]



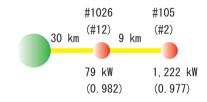
Legend			
	: Power Source (Substation)		
	RGC		
	: 33kV DL		
# X X	: Priority by Consultant		
(#XX)	: Priority by Each District		
XXX kW	: Demand		
XX km	: Distance between PS and RGC		
(0. XXX) (0. XXX)	: Voltage (P.U.) Black: More than 0.95 Red : Less than 0.95		



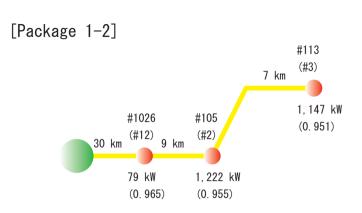
DL System at Mpika2 SS

Legend			
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	:	RGC	
	:	33kV DL	
# X X	:	Priority by Consultant	
(#XX)	:	Priority by Each District	
XXX kW	:	Demand	
XX km	:	Distance between PS and RGC	
(0. XXX) (0. XXX)	:	Voltage (P.U.) Black: More than 0.95 Red : Less than 0.95	

[Package 1-1]



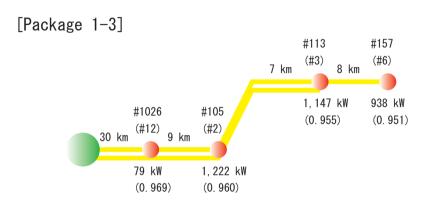




Legend			
	:	Power Source (Substation)	
	:	RGC	
	:	33kV DL	
# X X	:	Priority by Consultant	
(#XX)	:	Priority by Each District	
XXX kW	:	Demand	
XX km	:	Distance between PS and RGC	
(0. XXX) (0. XXX)	:	Voltage (P.U.) Black: More than 0.95 Red : Less than 0.95	

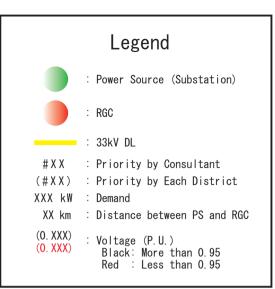


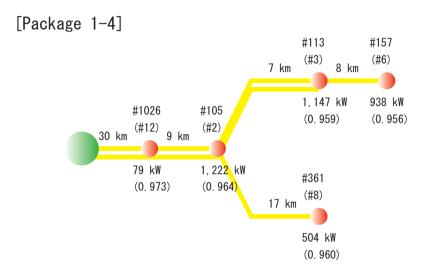
Legend			
	: Power Source (Substation)		
	: RGC		
	: 33kV DL		
# X X	: Priority by Consultant		
(#XX)	: Priority by Each District		
XXX kW	: Demand		
XX km	: Distance between PS and RGC		
(0. XXX) (0. XXX)	: Voltage (P.U.) Black: More than 0.95 Red : Less than 0.95		



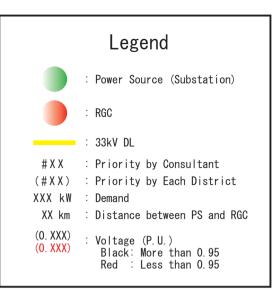


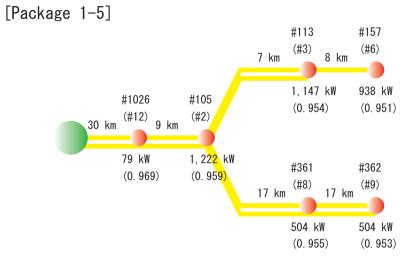
DL System at Muzuma1 SS Feeder 1 (Package 1-3)





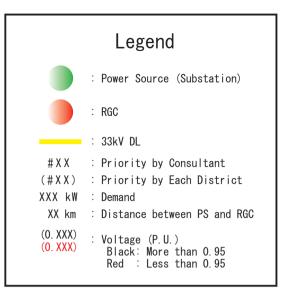


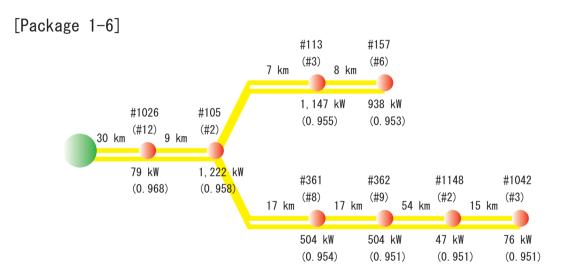






DL System at Muzuma1 SS

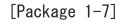


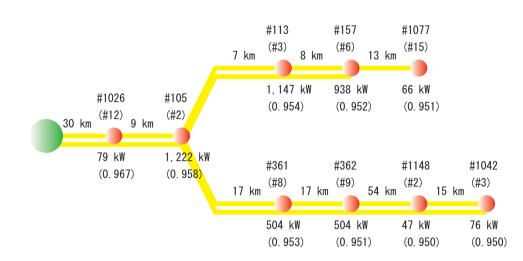


 The Study for Development of the Rural Electrification Master Plan in Zambia
 Drawing No.

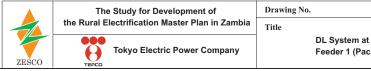
 Title
 Title

 DL System at Muzuma1 SS Feeder 1 (Package 1-6)

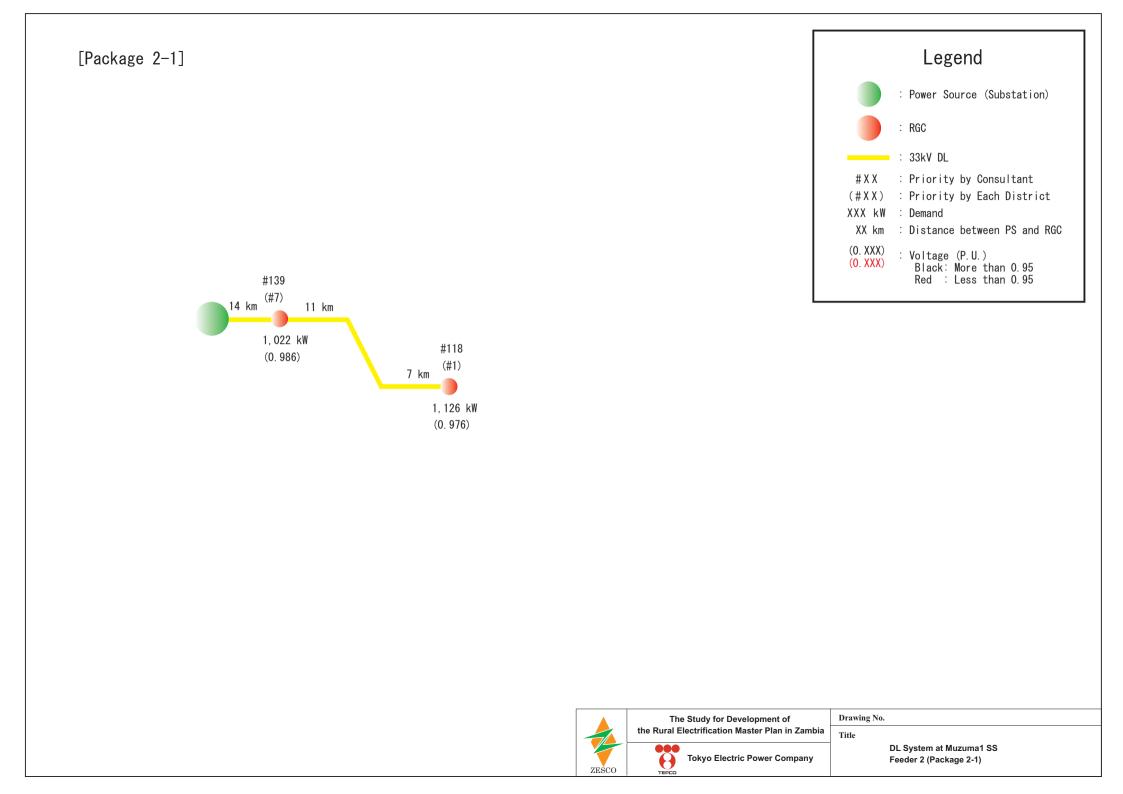


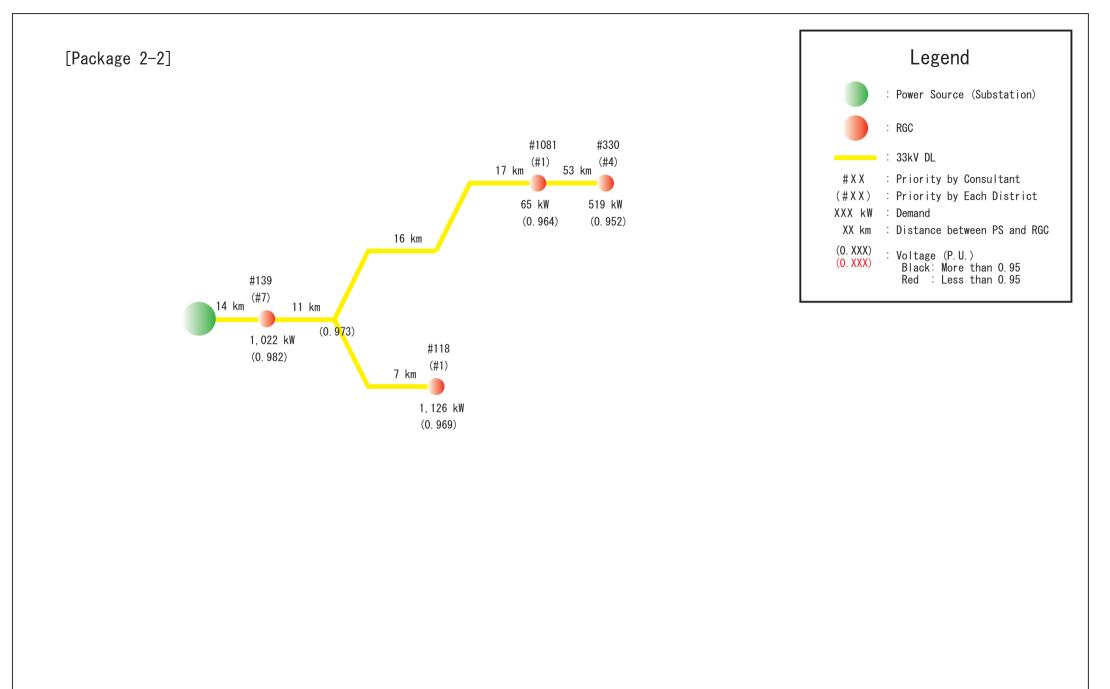


Legend			
	: Power Source (Substation)		
	: RGC		
	: 33kV DL		
# X X	: Priority by Consultant		
(#XX)	: Priority by Each District		
XXX kW	: Demand		
XX km	: Distance between PS and RGC		
(0. XXX) (0. XXX)	: Voltage (P.U.) Black: More than 0.95 Red : Less than 0.95		



DL System at Muzuma1 SS Feeder 1 (Package 1-7)





 The Study for Development of the Rural Electrification Master Plan in Zambia
 Drawing No.

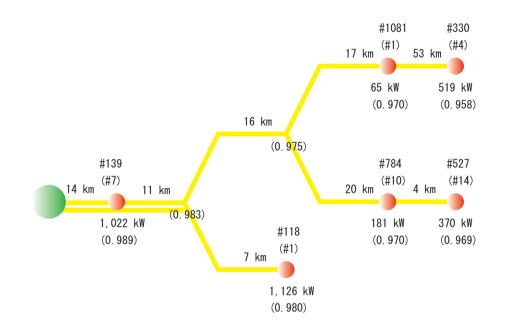
 Title
 Title

 DL System
 DL System

 Teseco
 Tokyo Electric Power Company

DL System at Muzuma1 SS Feeder 2 (Package 2-2)





Legend			
	: Power Source (Substation)		
	: RGC		
	: 33kV DL		
(#XX) XXX kW	: Priority by Consultant : Priority by Each District : Demand : Distance between PS and RGC		
(0. XXX) (0. XXX)	: Voltage (P.U.) Black: More than 0.95 Red : Less than 0.95		

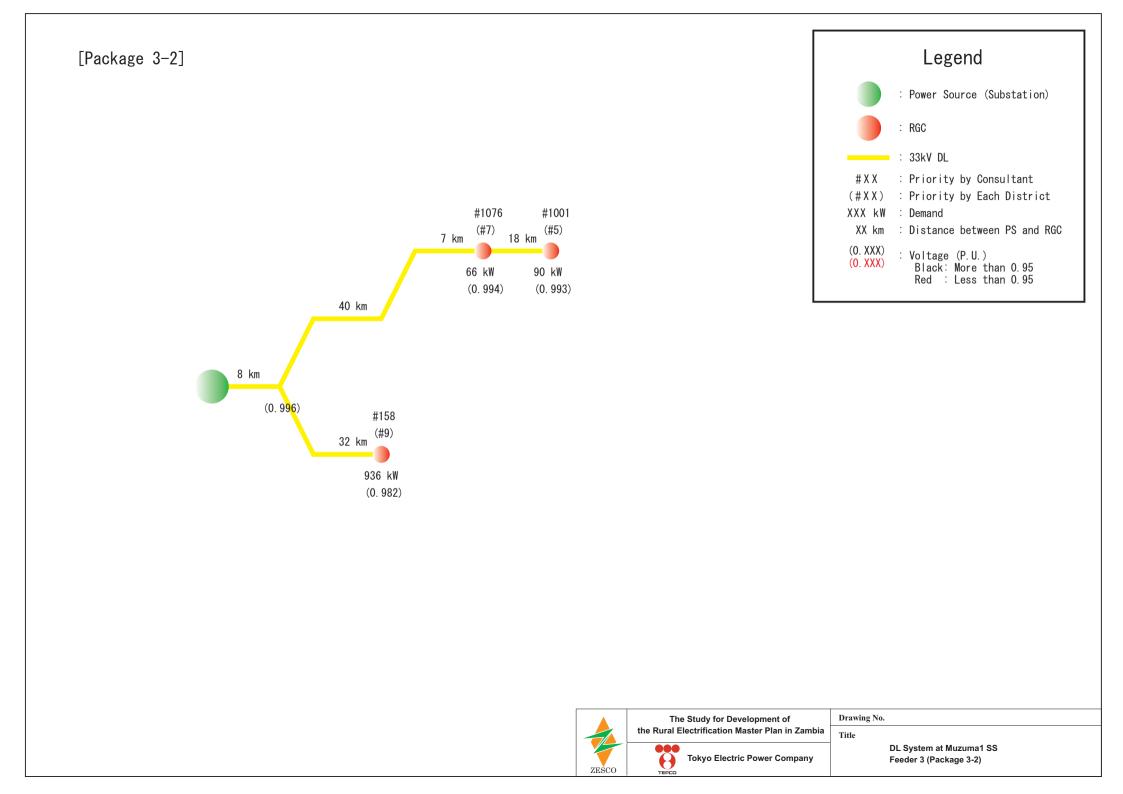


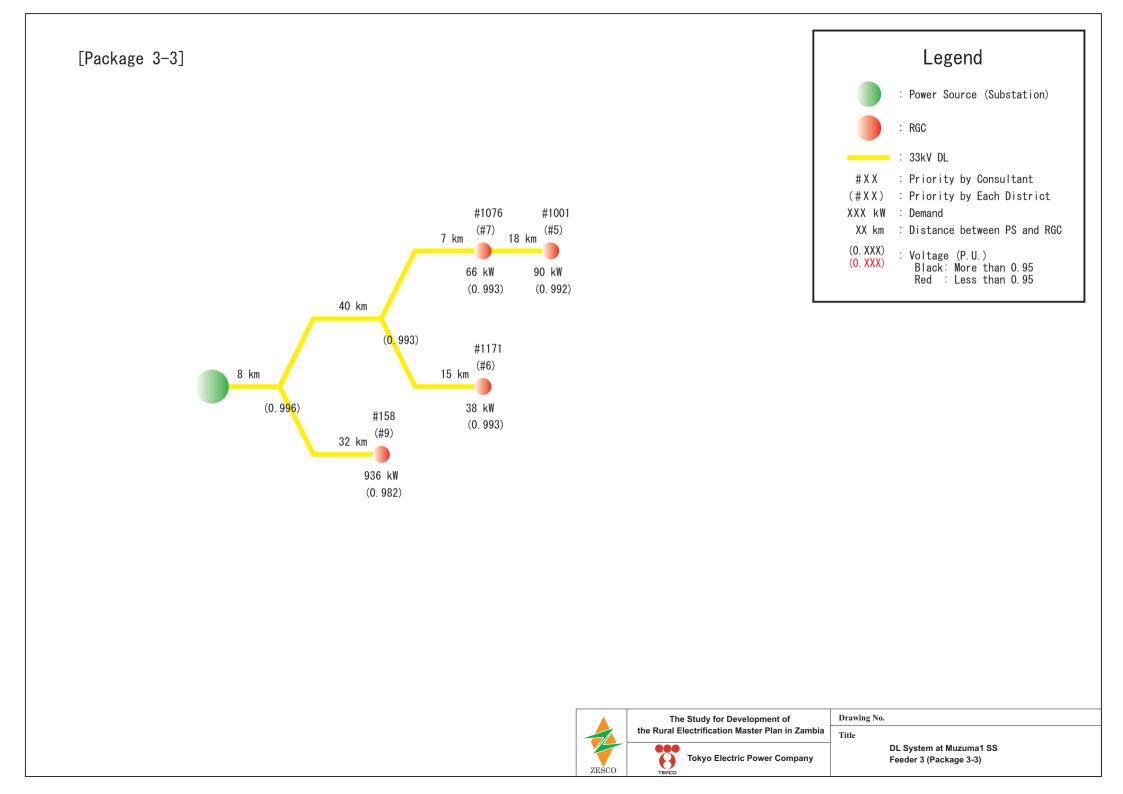
DL System at Muzuma1 SS Feeder 2 (Package 2-3)

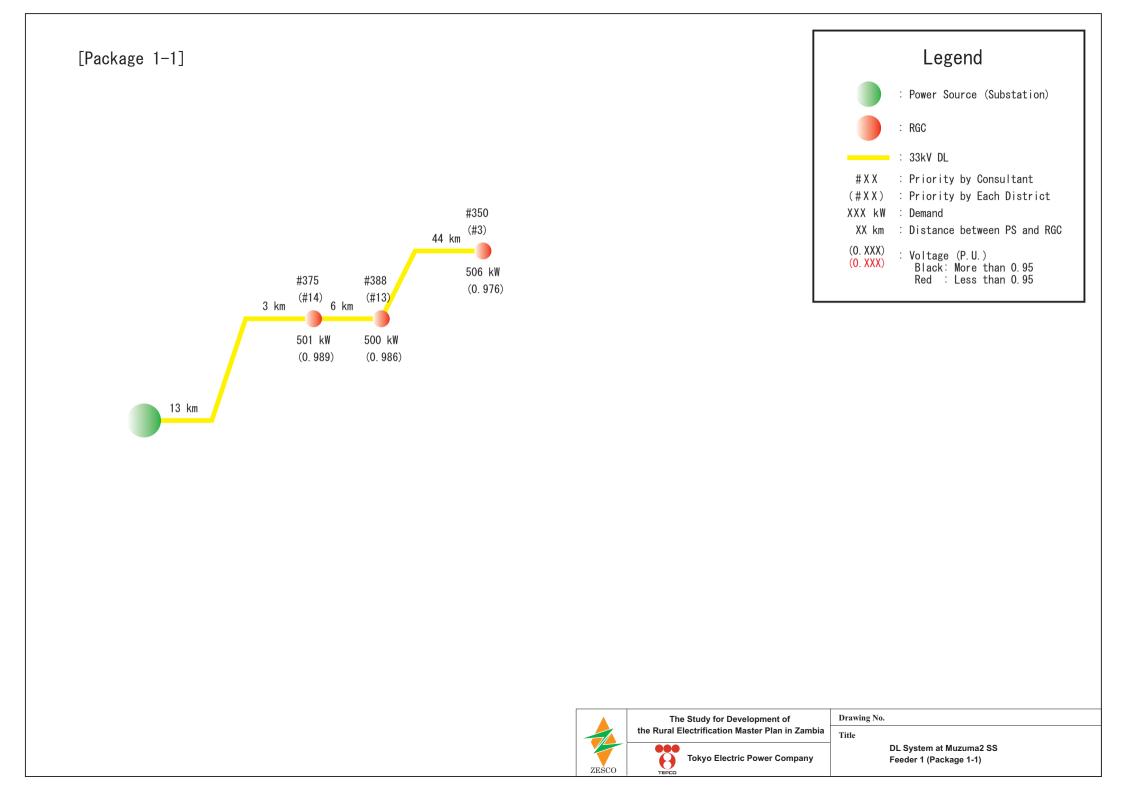


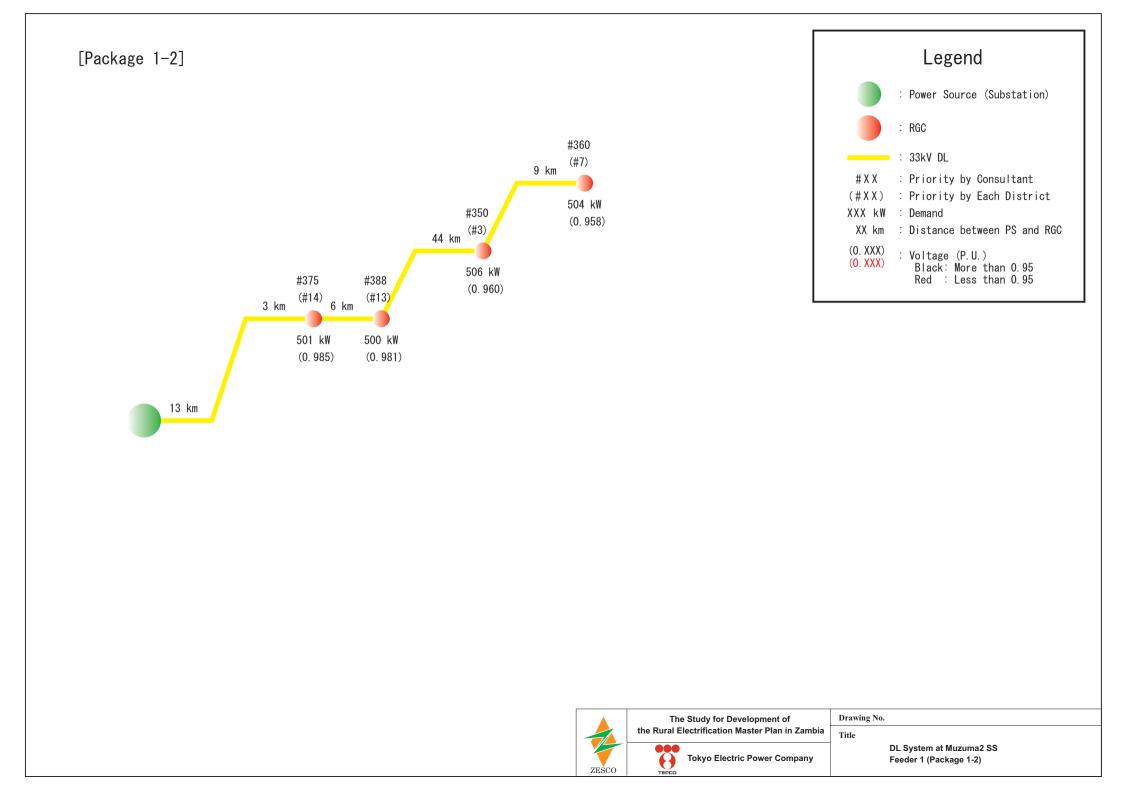


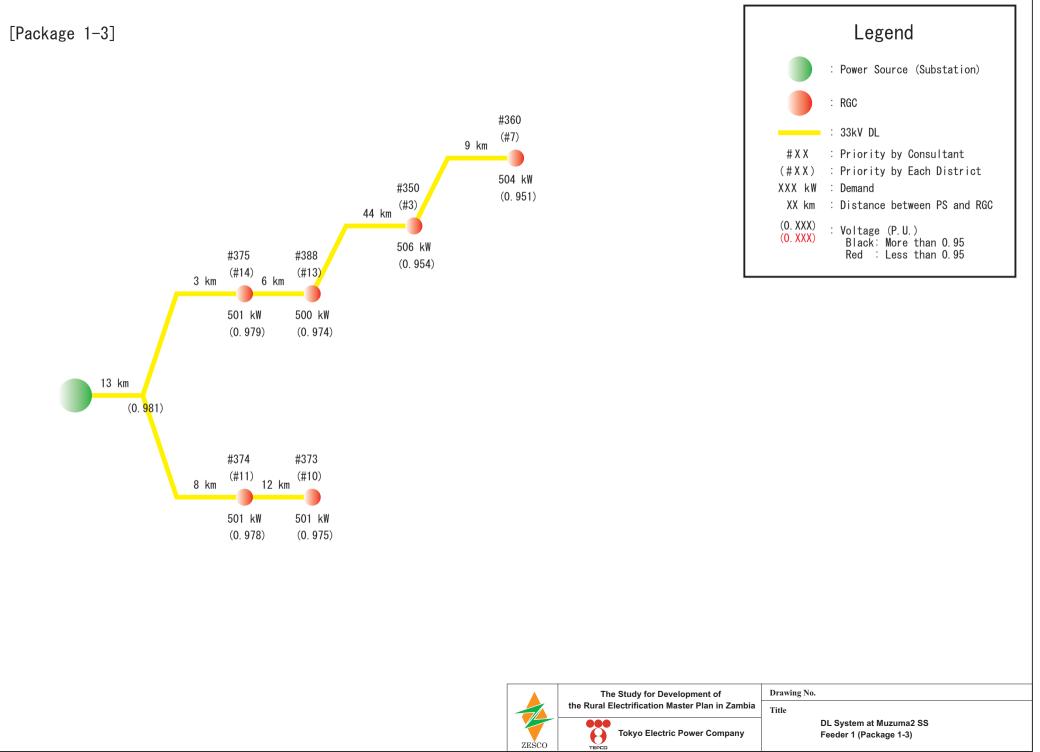








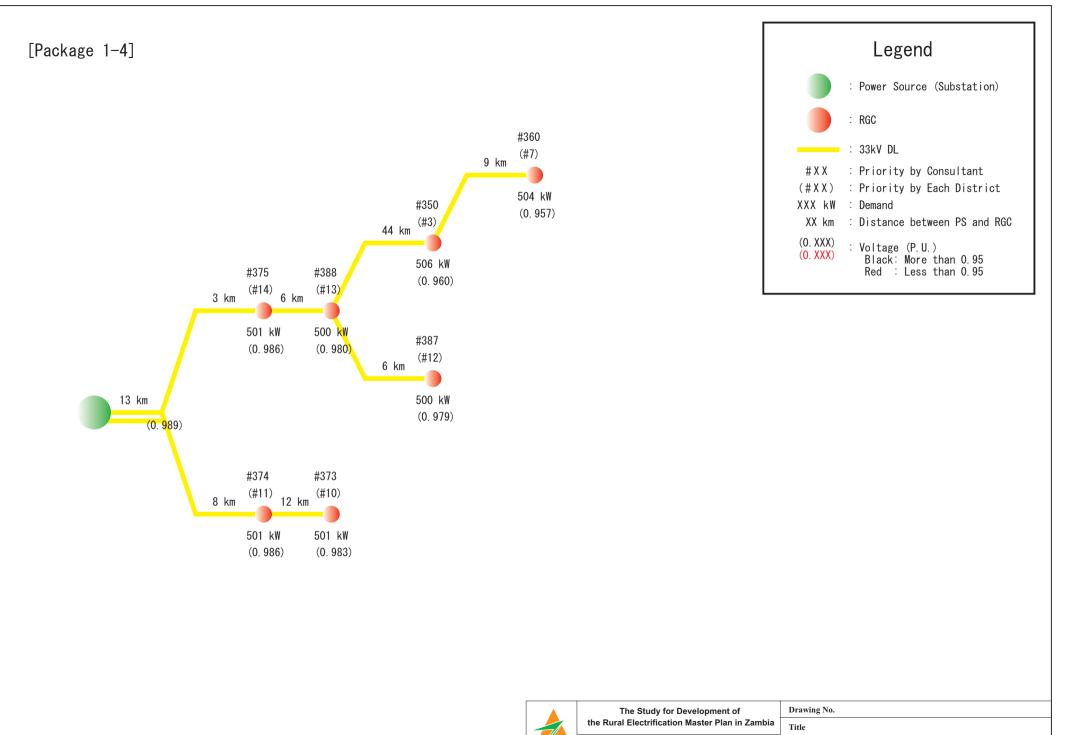




ZESCO

Tokyo Electric Power Company

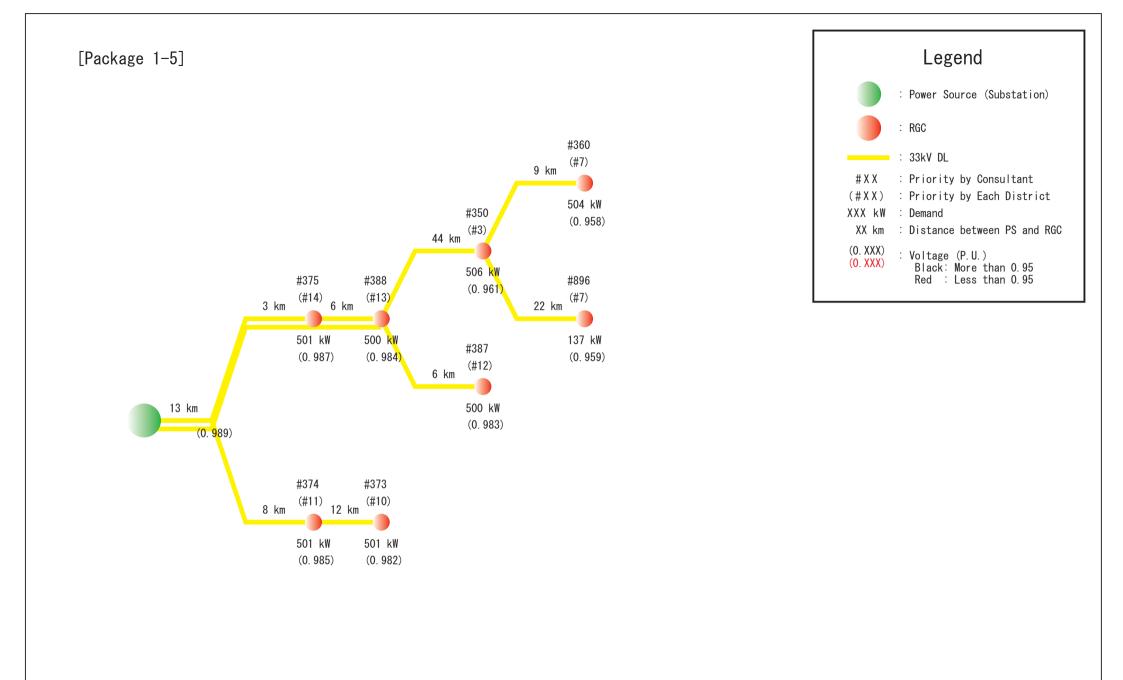
DL System at Muzuma2 SS Feeder 1 (Package 1-3)



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Tokyo Electric Power Company

DL System at Muzuma2 SS Feeder 1 (Package 1-4)



 The Study for Development of the Rural Electrification Master Plan in Zambia
 Drawing No.

 ZESCO
 Tokyo Electric Power Company
 Title

DL System at Muzuma2 SS Feeder 1 (Package 1-5)



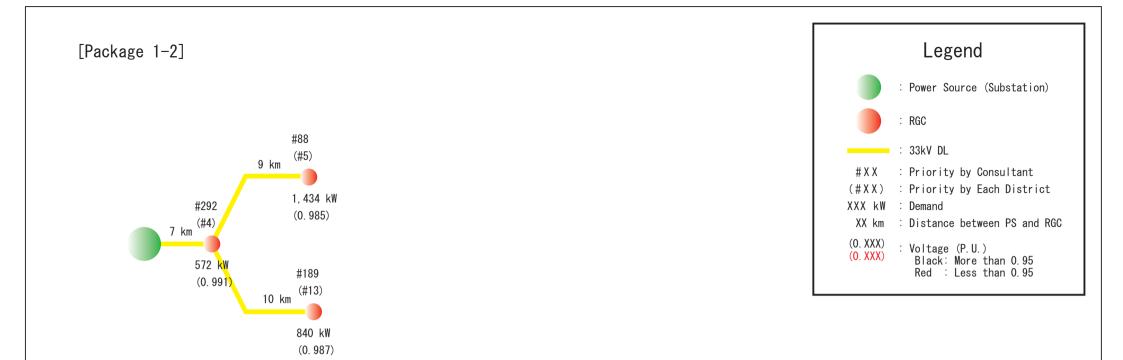
	The Study for Development of	Drawing No.
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ZESCO	Tokyo Electric Power Company	DL System at Feeder 2 (Pac

t Muzuma2 SS ckage 2-1)



	The Study for Development of	Drawing No.
	the Rural Electrification Master Plan in Zambia	Title
ZESCO	Tokyo Electric Power Company	DL System at Feeder 1 (Pac

t Muzuma3 SS ckage 1-1)



		The Study for Development of	Drawing No.
ZESCO	the Rural Electrification Master Plan in Zambia	Title	
	ZESCO	Tokyo Electric Power Company	DL System at Feeder 1 (Pac

Muzuma3 SS kage 1-2)



(0.986)

Drawing No. the Rural Electrification Master Plan in Zambia Title

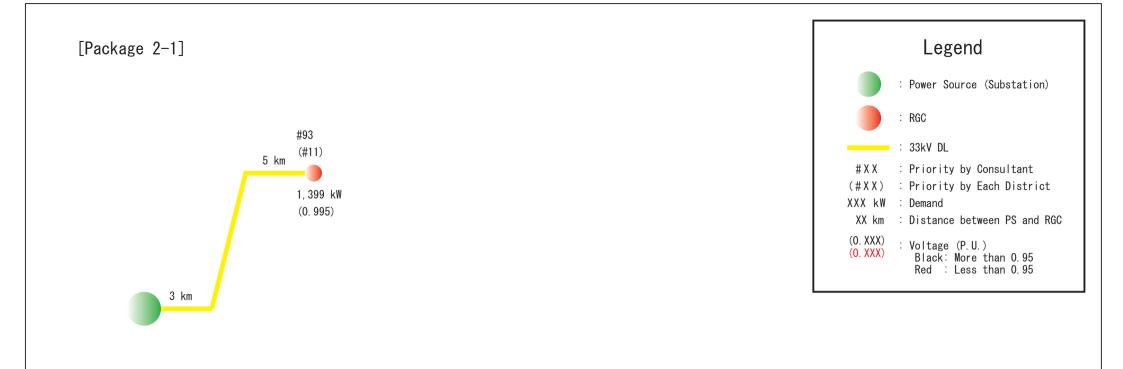
The Study for Development of

Tokyo Electric Power Company

TEPCO

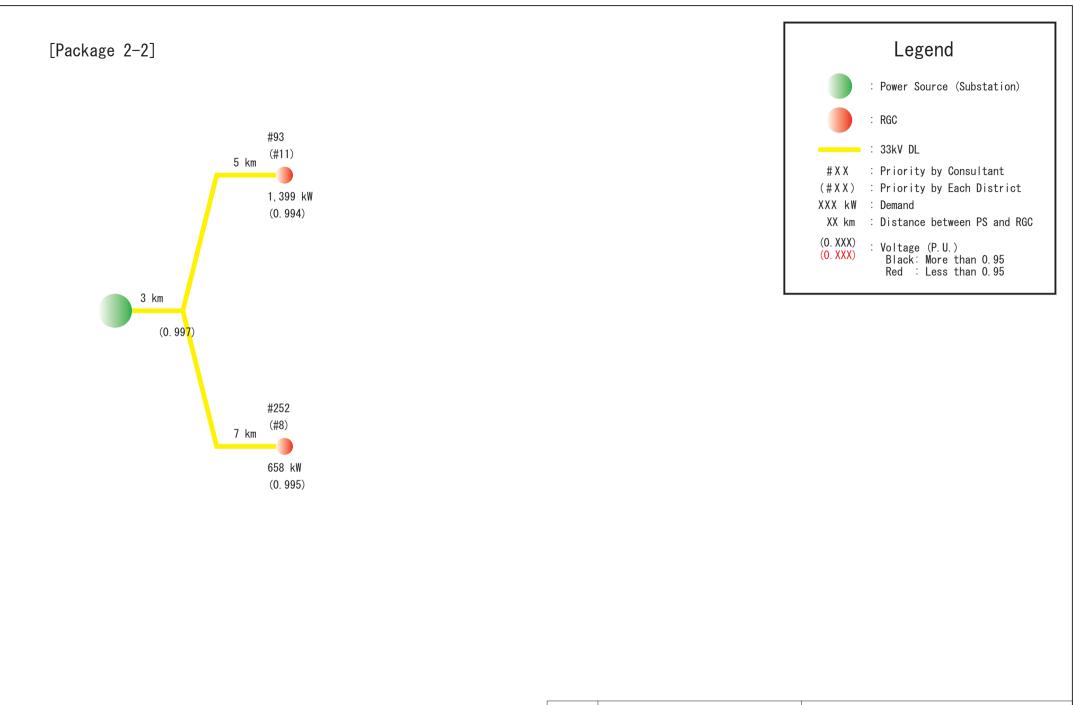
ZESCO

DL System at Muzuma3 SS Feeder 1 (Package 1-3)



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		Tokyo Electric Power Company	DL System at Feeder 2 (Pac

t Muzuma3 SS ckage 2-1)

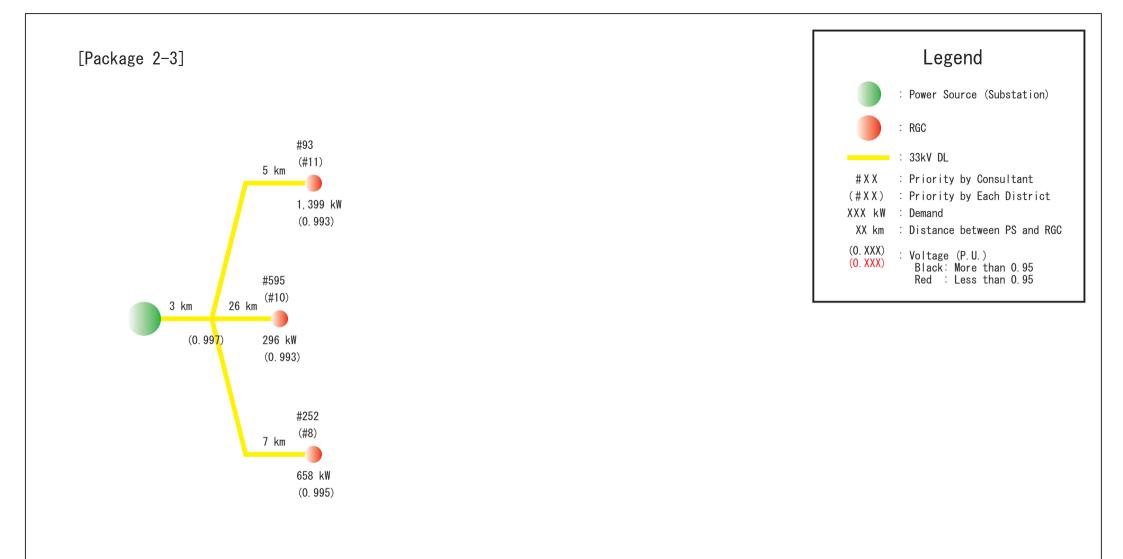


The Study for Development of the Rural Electrification Master Plan in Zambia

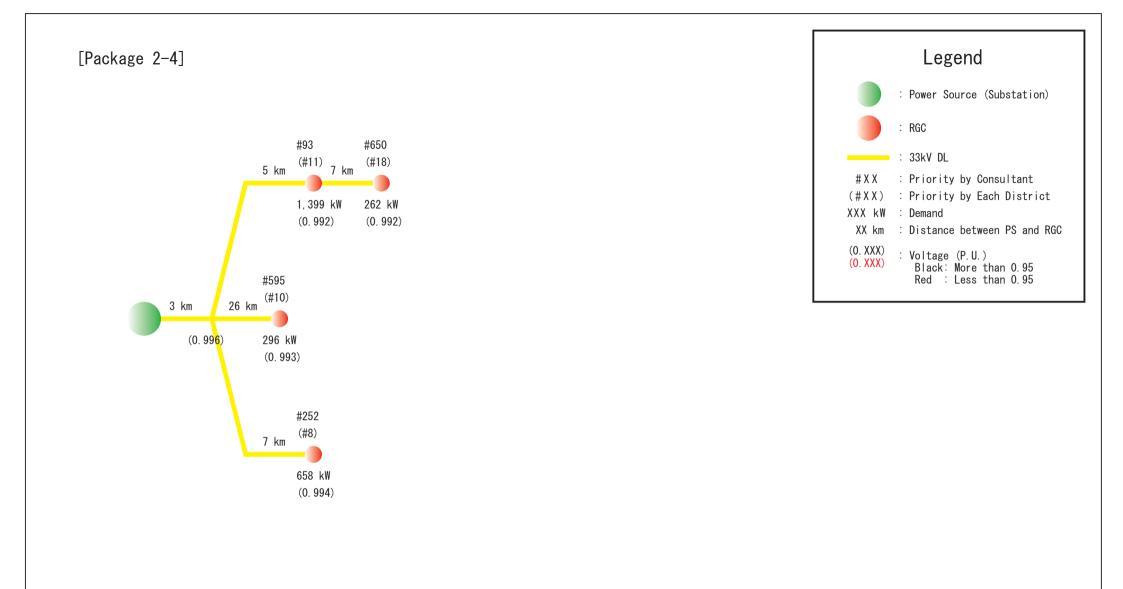
ZESCO

Drawing No. Title

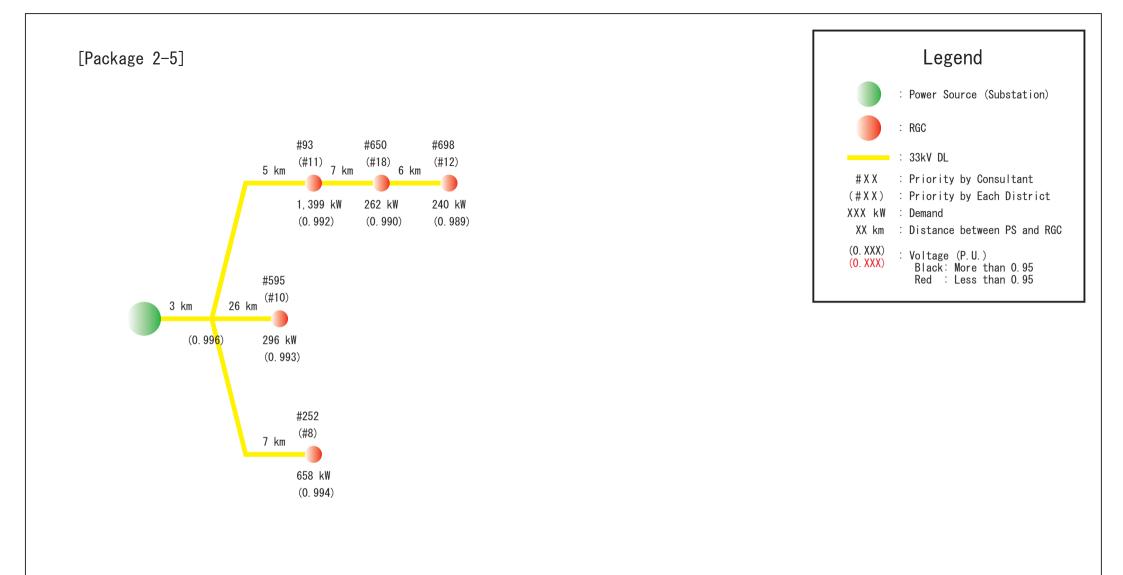
> DL System at Muzuma3 SS Feeder 2 (Package 2-2)





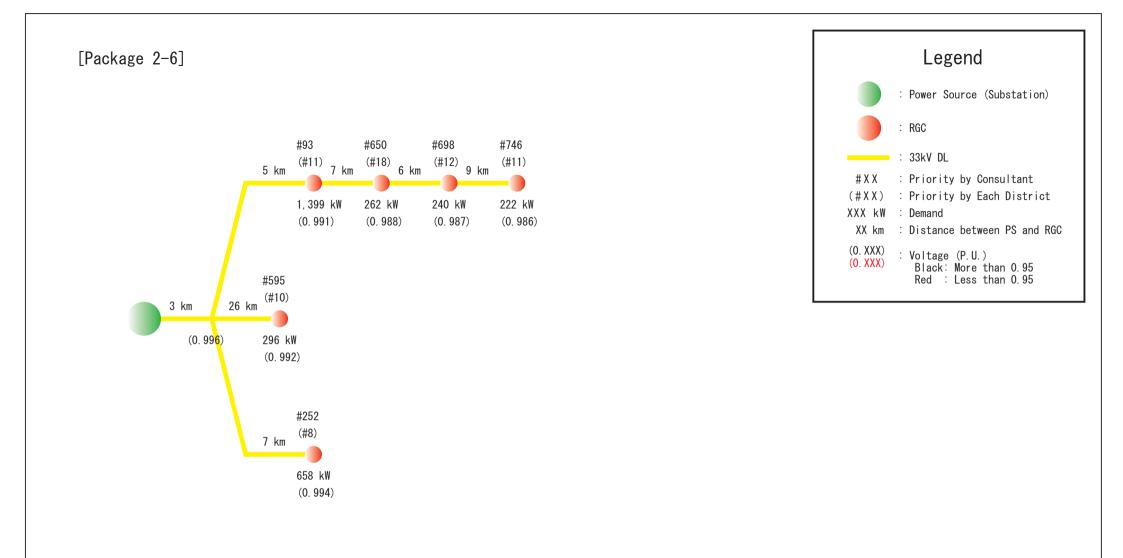




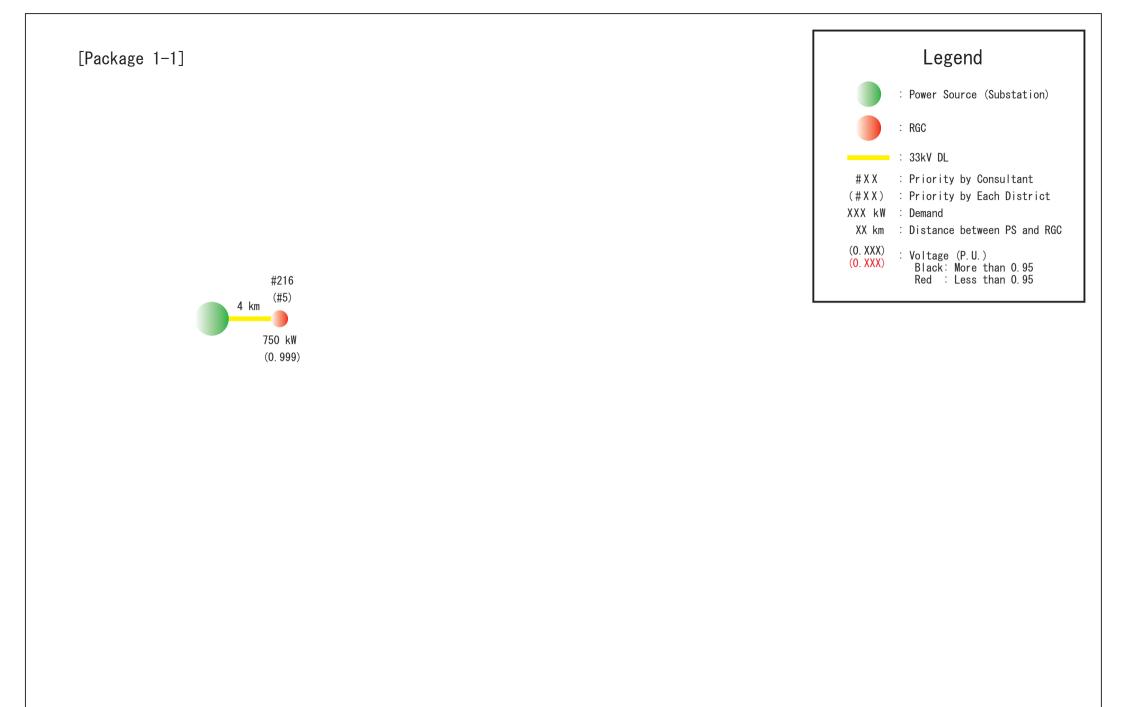


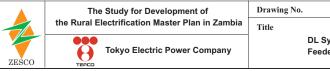


DL System at Muzuma3 SS Feeder 2 (Package 2-5)



	The Study for Development of	Drawing No.
	the Rural Electrification Master Plan in Zambia	Title
ZESCO	Tokyo Electric Power Company	DL System at Muzuma3 SS Feeder 2 (Package 2-6)



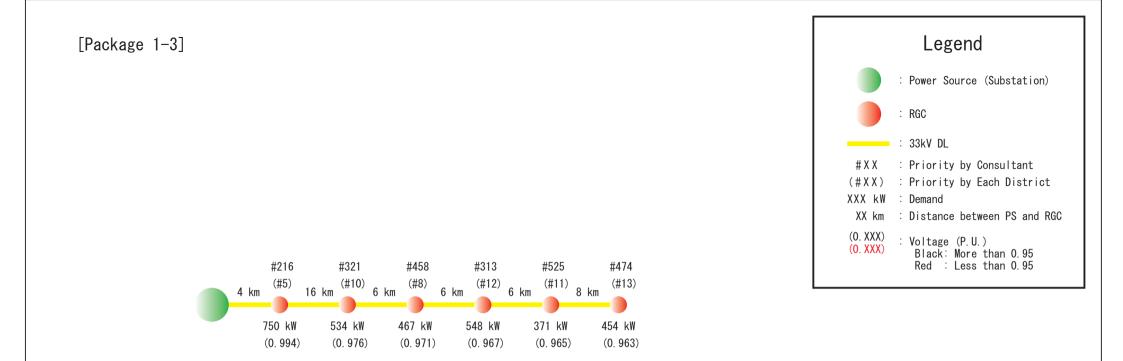


DL System at Nchelenge1 SS Feeder 1 (Package 1-1)

[Package 1-2]	Legend
	: Power Source (Substation)
	: RGC
	: 33kV DL
	 #XX : Priority by Consultant (#XX) : Priority by Each District XXX kW : Demand XX km : Distance between PS and RGC
#216 #321 #458 #313 (#5) 10 (#10) 0 (#8) 0 (#12)	(O.XXX) (O.XXX) : Voltage (P.U.) Black: More than 0.95 Red : Less than 0.95
750 kW 534 kW 467 kW 548 kW (0.996) (0.984) (0.981) (0.980)	

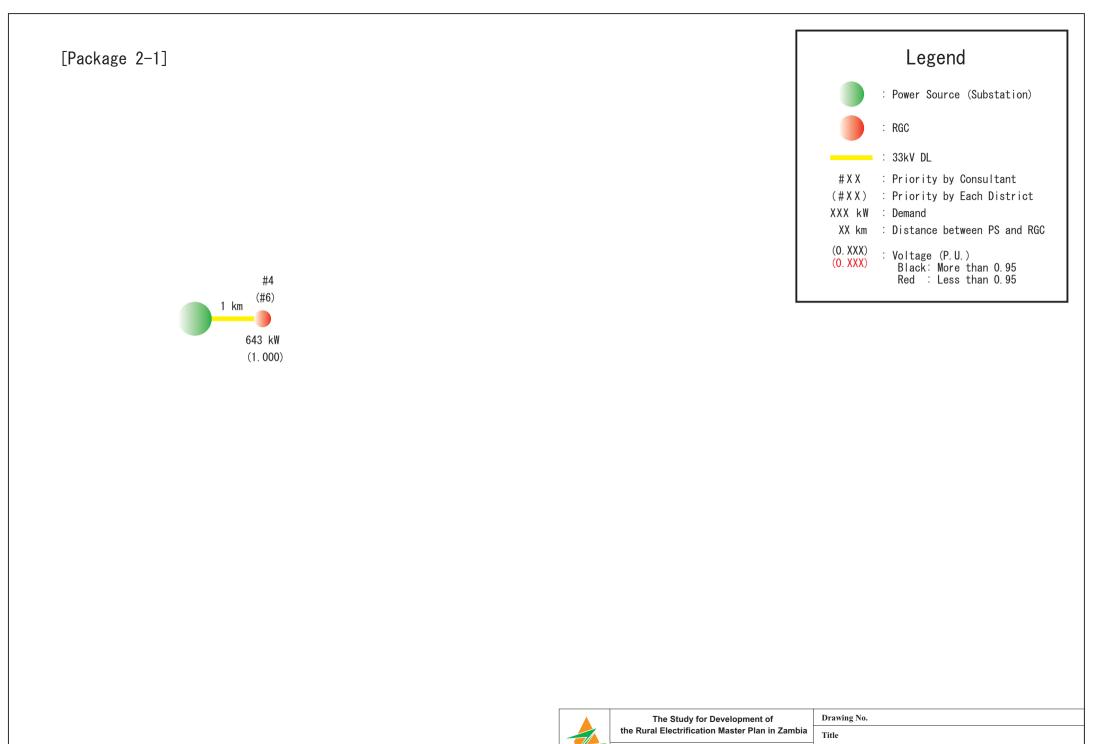
	The Study for Development of	Drawing No.
ZESCO	the Rural Electrification Master Plan in Zambia	Title
	Tokyo Electric Power Company	DL System at Nc Feeder 1 (Packag

chelenge1 SS age 1-2)



	The Study for Development of	Drawing No.
	the Rural Electrification Master Plan in Zambia	Title
ZESCO	Tokyo Electric Power Company	DL System at No Feeder 1 (Packag

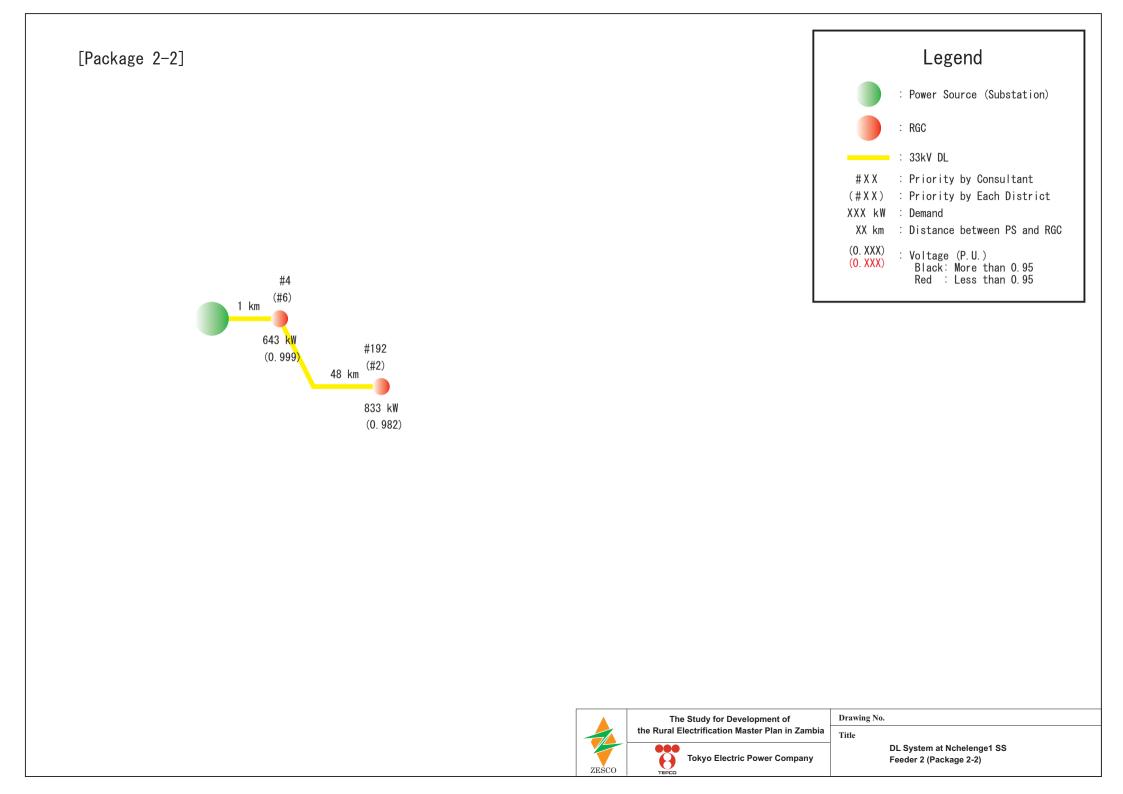
chelenge1 SS age 1-3)



ZESCO

Tokyo Electric Power Company

DL System at Nchelenge1 SS Feeder 2 (Package 2-1)





833 kW (0.981)

	The Study for Development of	Drawing No.	
	the Rural Electrification Master Plan in Zambia	Title	
ZESCO	Tokyo Electric Power Company	DL System at Nc Feeder 2 (Packaç	

helenge1 SS ge 2-3)



(#2)

833 kW

(0.969)

48 km

(#2)

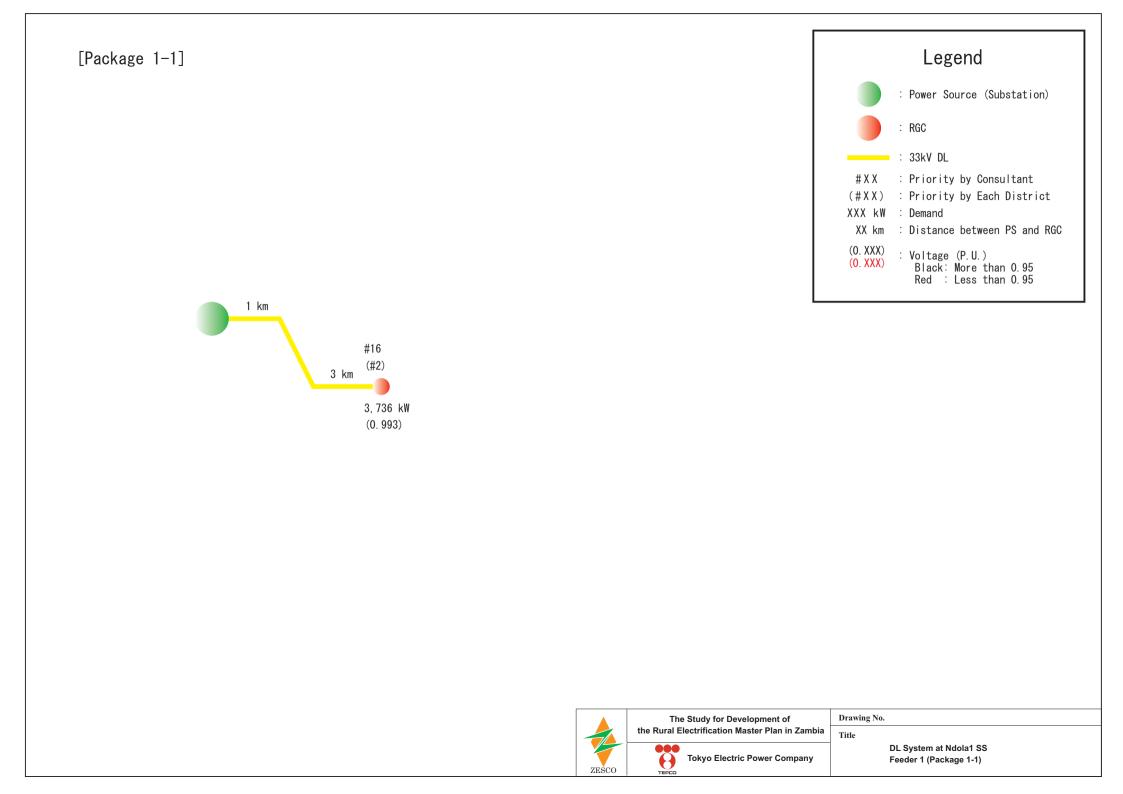
500 kW

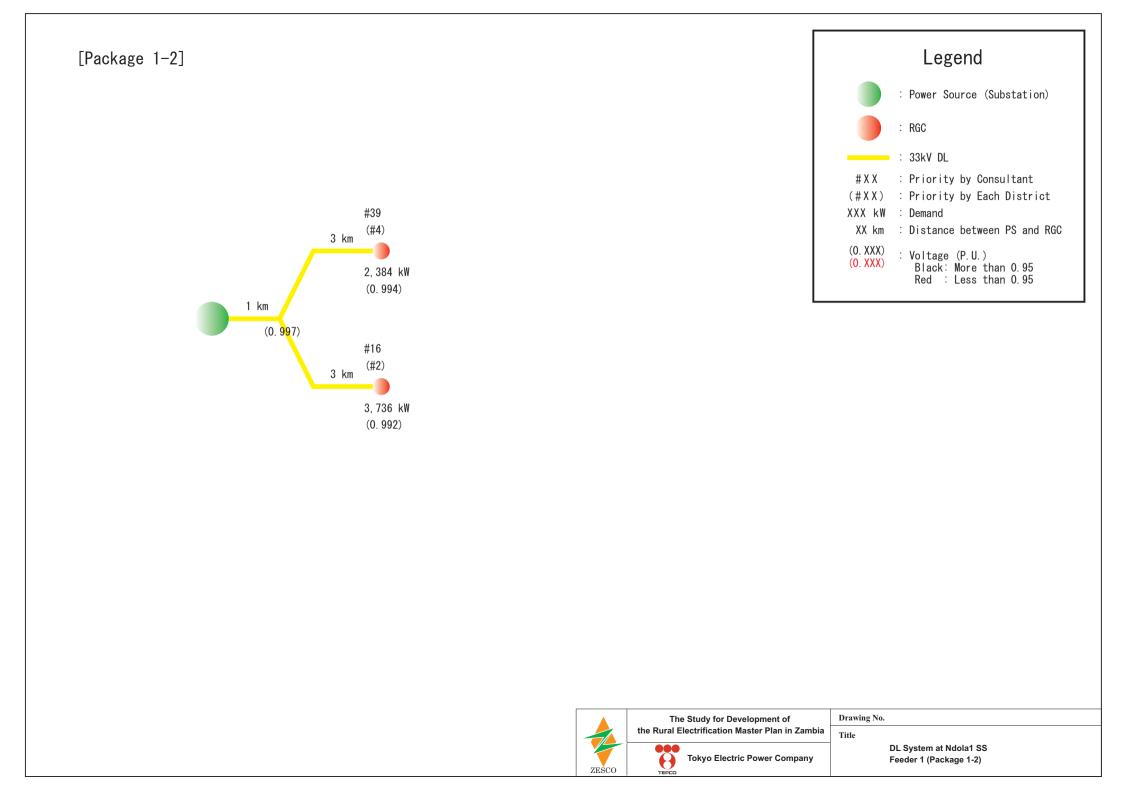
(0.961)

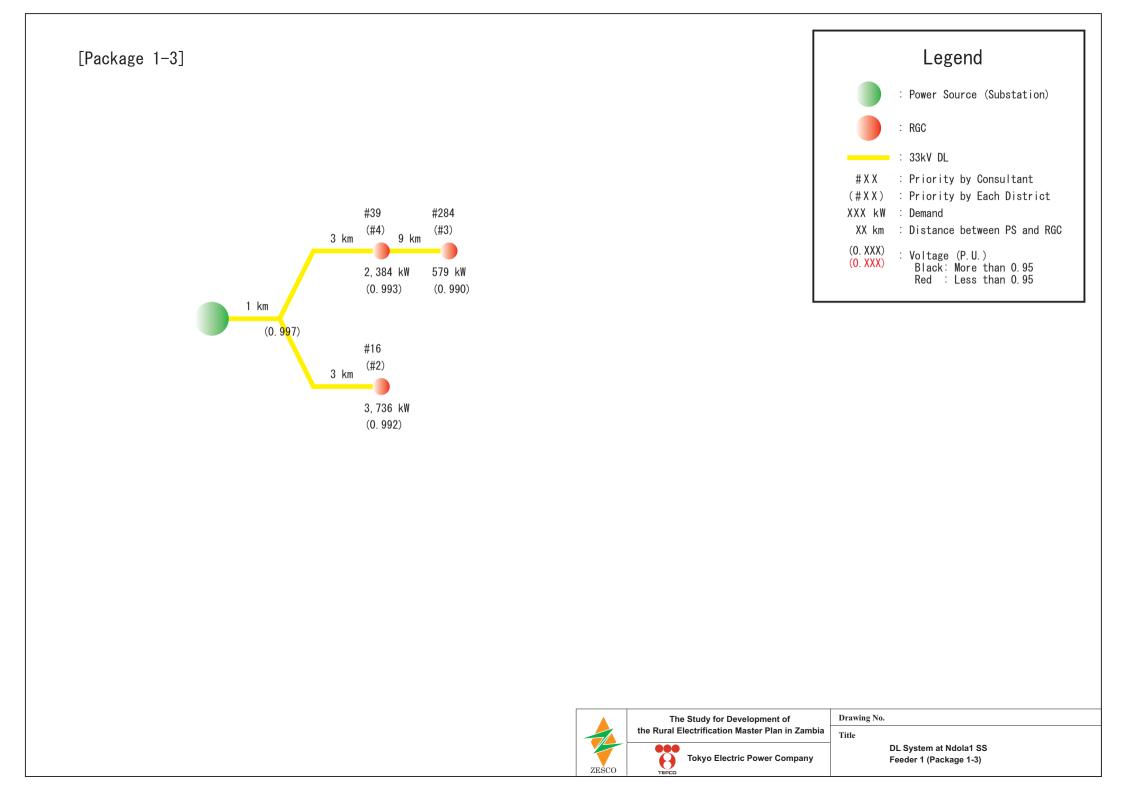
33 km

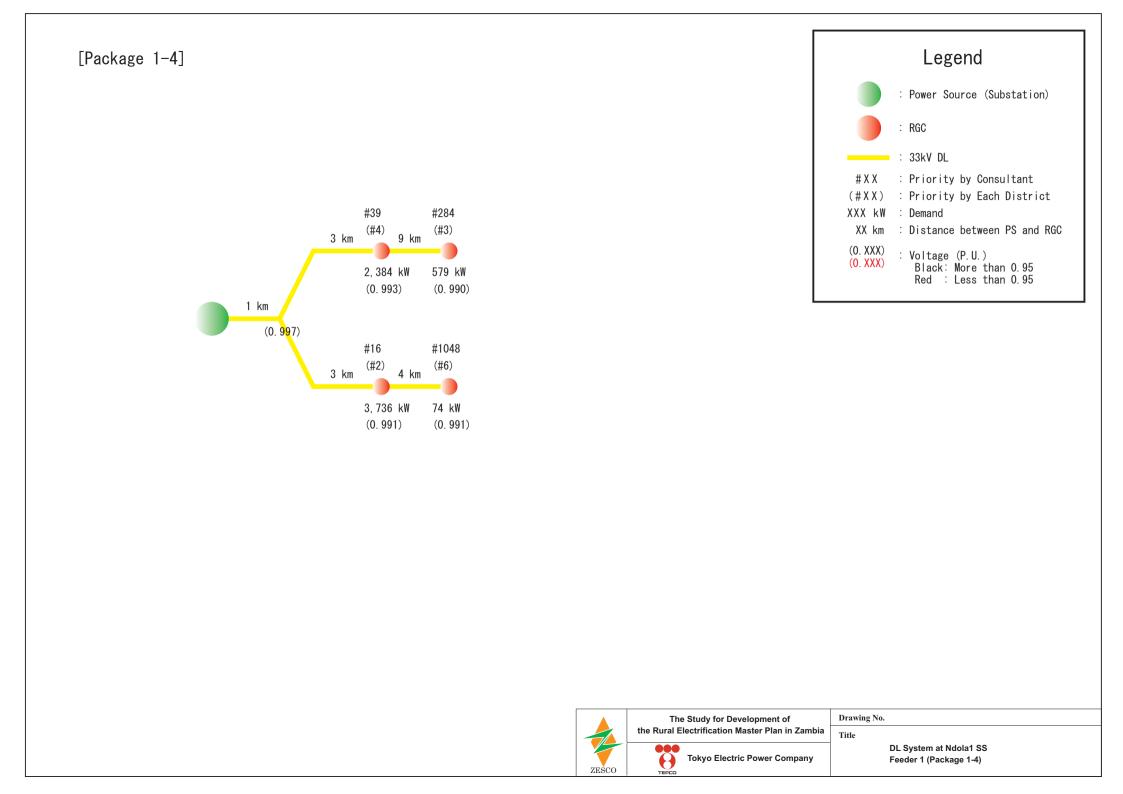


Feeder 2 (Package 2-4)

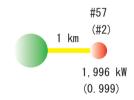








		Legend
	: Power Source (Substation)	
	:	RGC
	:	33kV DL
# X X	:	Priority by Consultant
(#XX)	:	Priority by Each District
XXX kW	:	Demand
XX km	:	Distance between PS and RGC
(0. XXX) (0. XXX)	:	Voltage (P.U.) Black: More than 0.95 Red : Less than 0.95

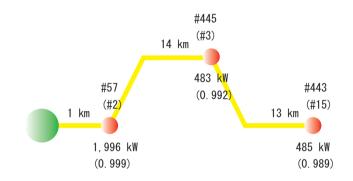


[Package 1-1]



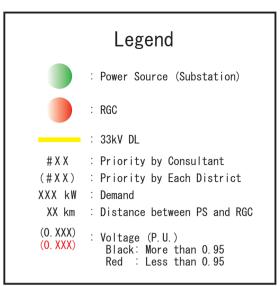
Legend		
	: Power Source (Substation)	
	: RGC	
	: 33kV DL	
# X X	: Priority by Consultant	
(#XX)	: Priority by Each District	
XXX kW	: Demand	
XX km	: Distance between PS and RGC	
(0. XXX) (0. XXX)	: Voltage (P.U.) Black: More than 0.95 Red : Less than 0.95	

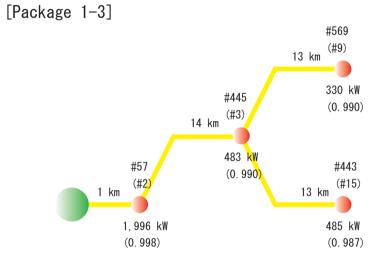
[Package 1-2]



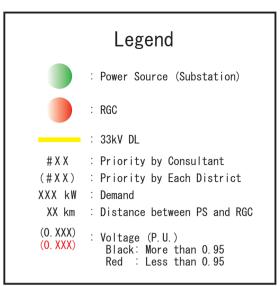


DL System at New SS at Mwinilunga1 Feeder 1 (Package 1-2)





	The Study for Development of	Drawing No.
	the Rural Electrification Master Plan in Zambia	Title
ZESCO	Tokyo Electric Power Company	DL System at New SS at Mwinilunga1 Feeder 1 (Package 1-3)



#569 (#9) 13 km 330 kW #445 (0.988) (#3) 14 km 483 kW #57 #443 (0.990)(#2) (#15) 1 km 13 km 1,99<mark>6</mark> kW 485 kW #714 (0. 998) (0.987) (#11) 19 km

> 236 kW (0.996)

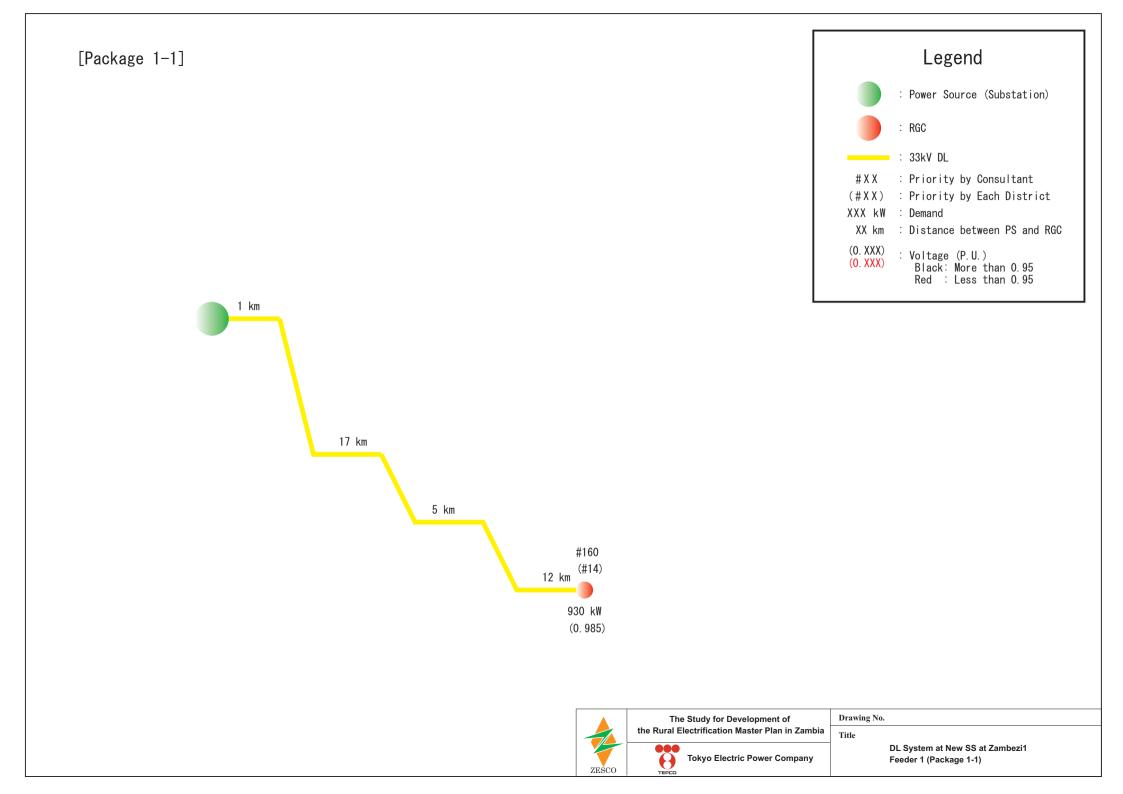
[Package 1-4]

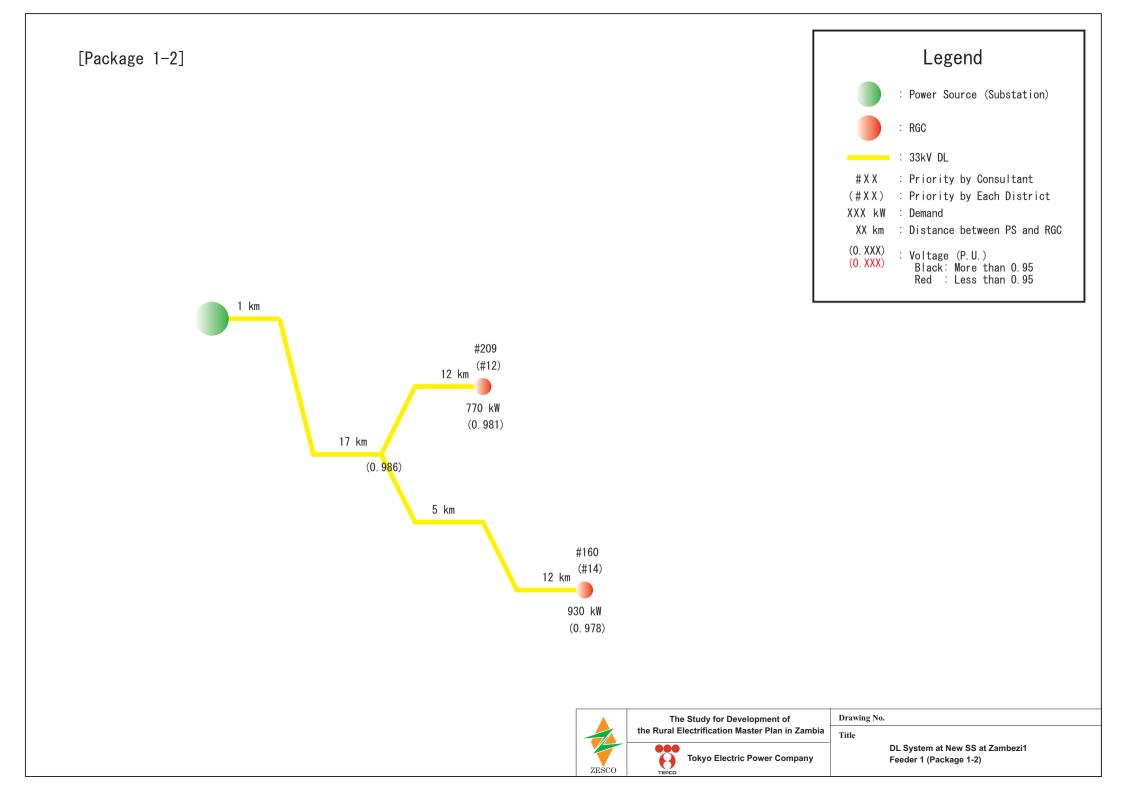
 The Study for Development of the Rural Electrification Master Plan in Zambia
 Drawing No.

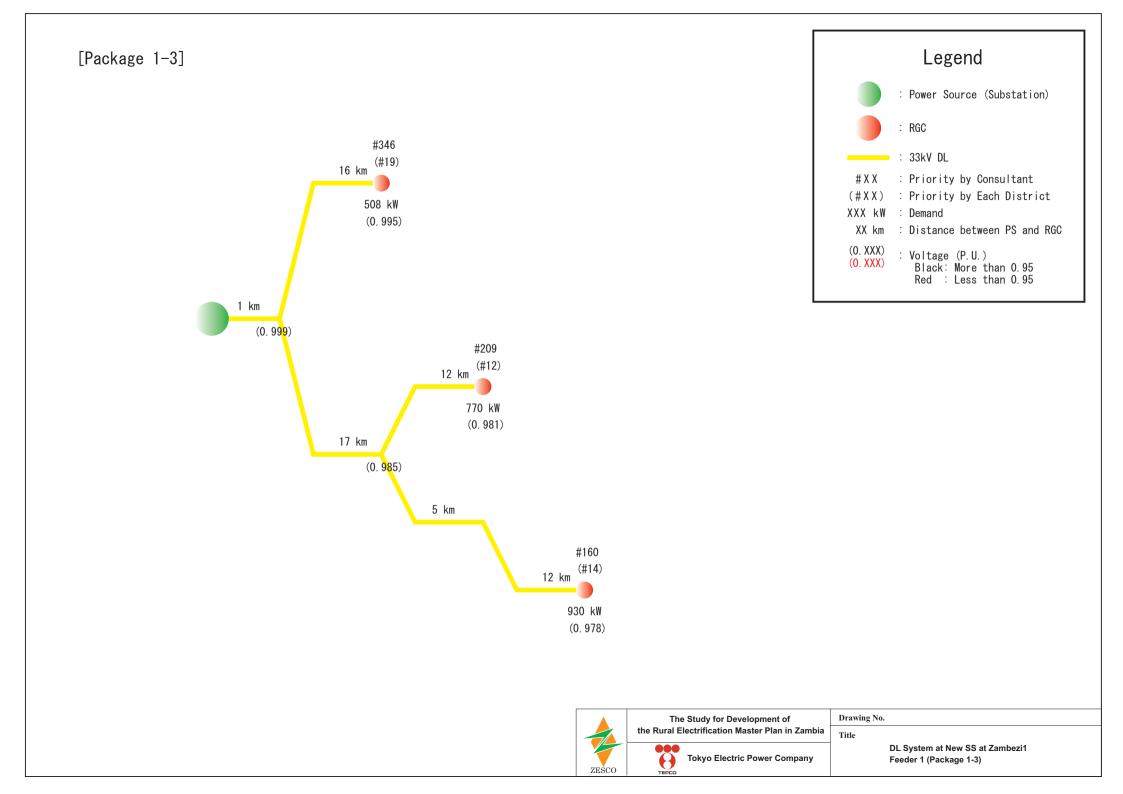
 Title
 Title

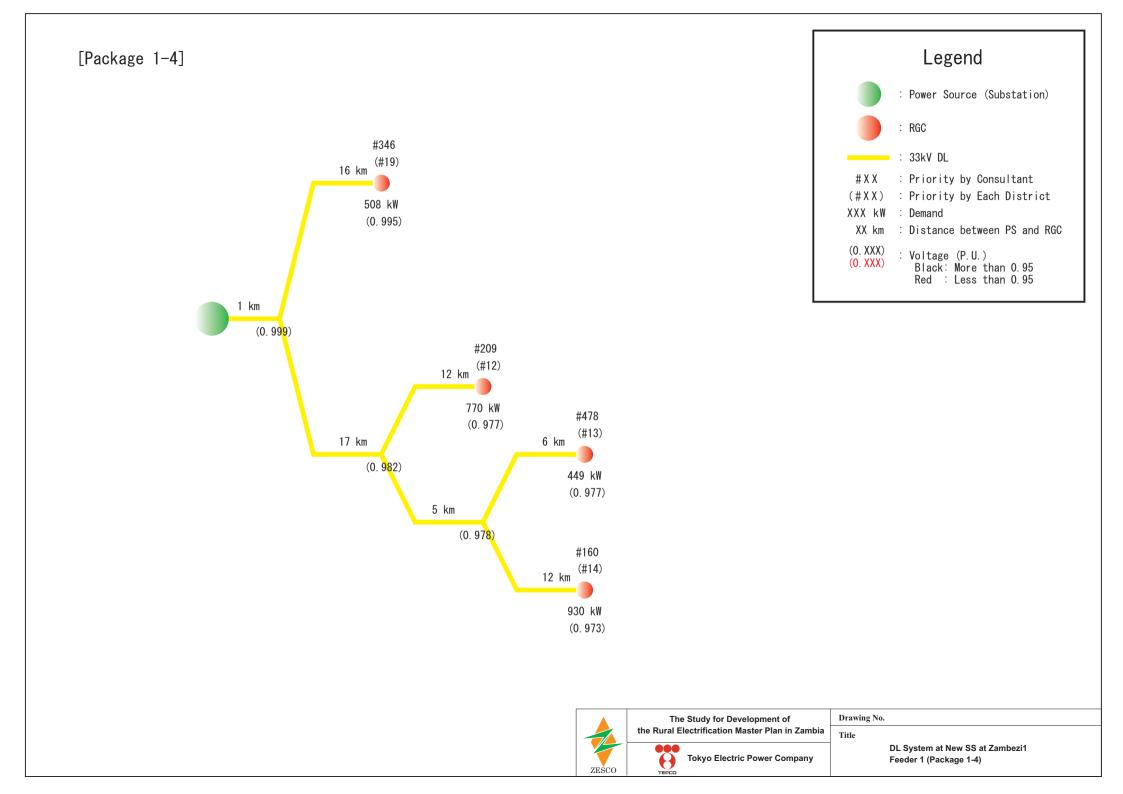
 VESCO
 Tokyo Electric Power Company

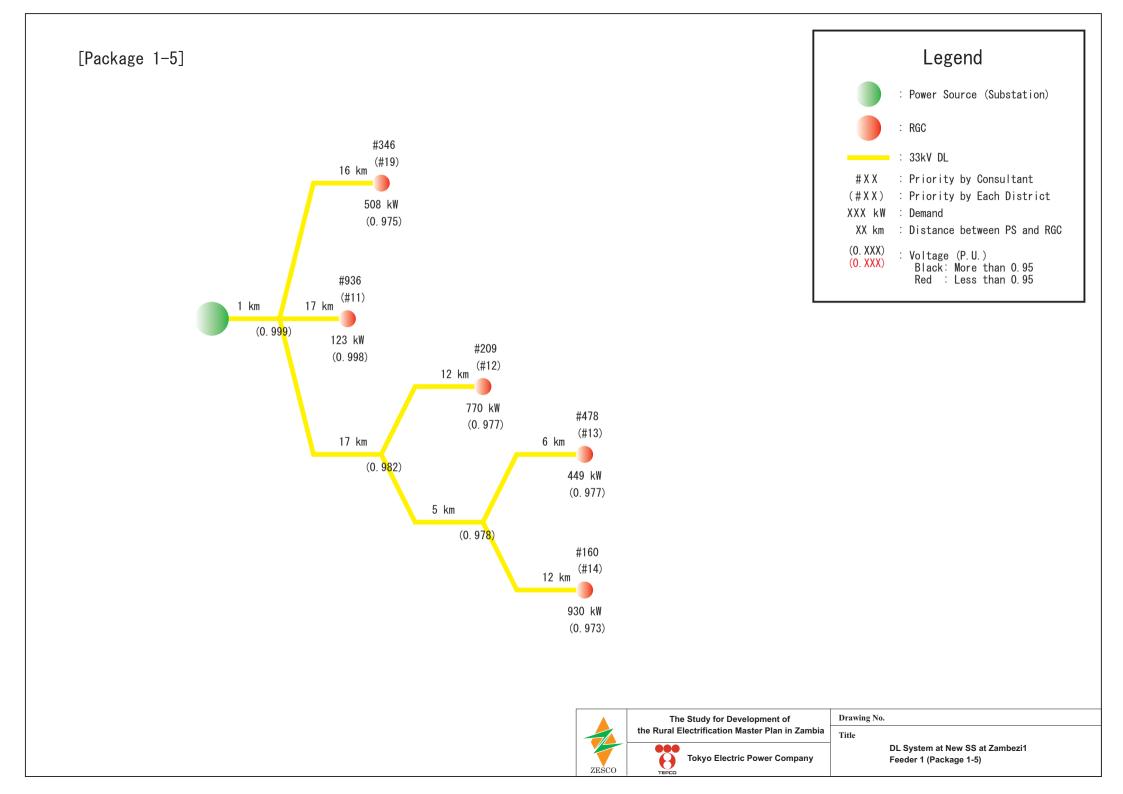
DL System at New SS at Mwinilunga1 Feeder 1 (Package 1-4)

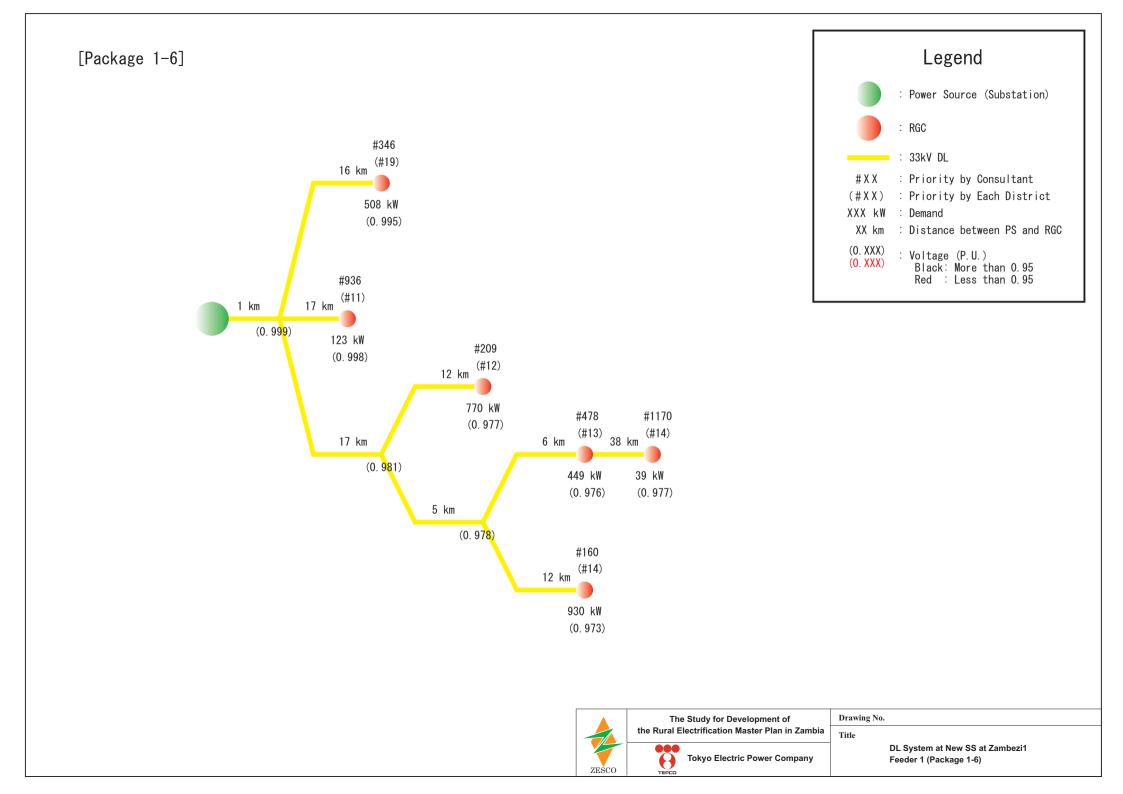


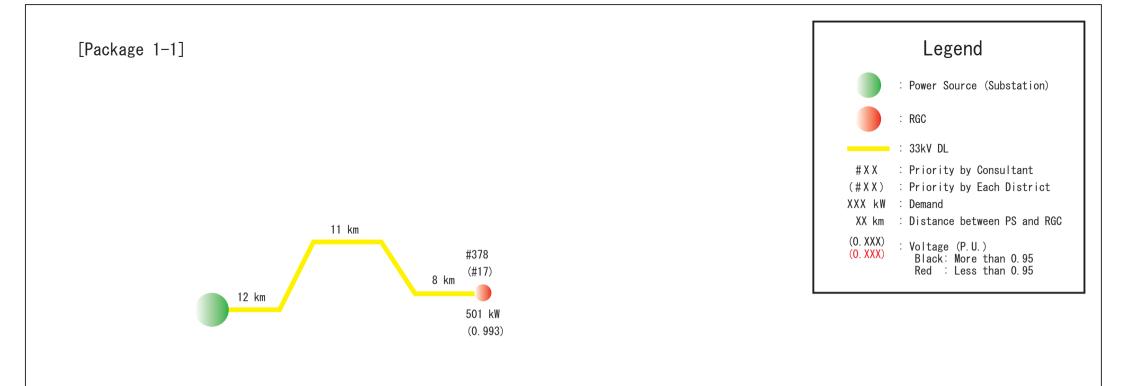




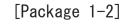


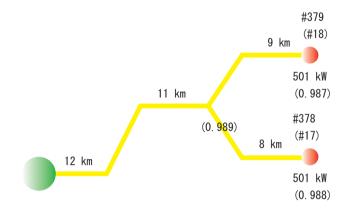


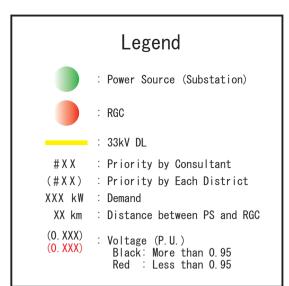




ZESCO	The Study for Development of	Drawing No.	
	ZESCO	the Rural Electrification Master Plan in Zambia	Title
		Tokyo Electric Power Company	DL System at Pensulo1 SS Feeder 1 (Package 1-1)





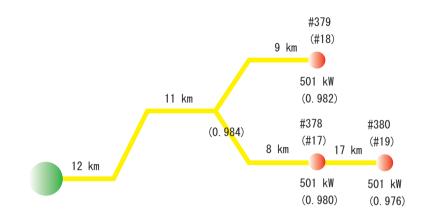


 The Study for Development of the Rural Electrification Master Plan in Zambia
 Drawing No.

 Title
 Title

 DL System at Pensulo1 SS Feeder 1 (Package 1-2)

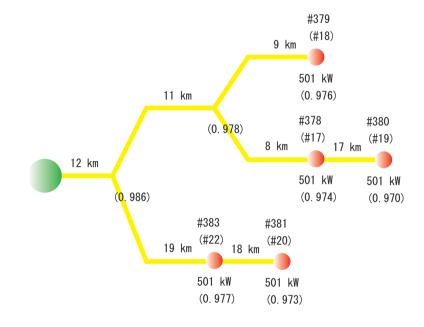




	Legend
	: Power Source (Substation)
	: RGC
—	: 33kV DL
# X X	: Priority by Consultant
(#XX)	: Priority by Each District
XXX kW	: Demand
XX km	: Distance between PS and RGC
(0. XXX) (0. XXX)	: Voltage (P.U.) Black: More than 0.95 Red : Less than 0.95

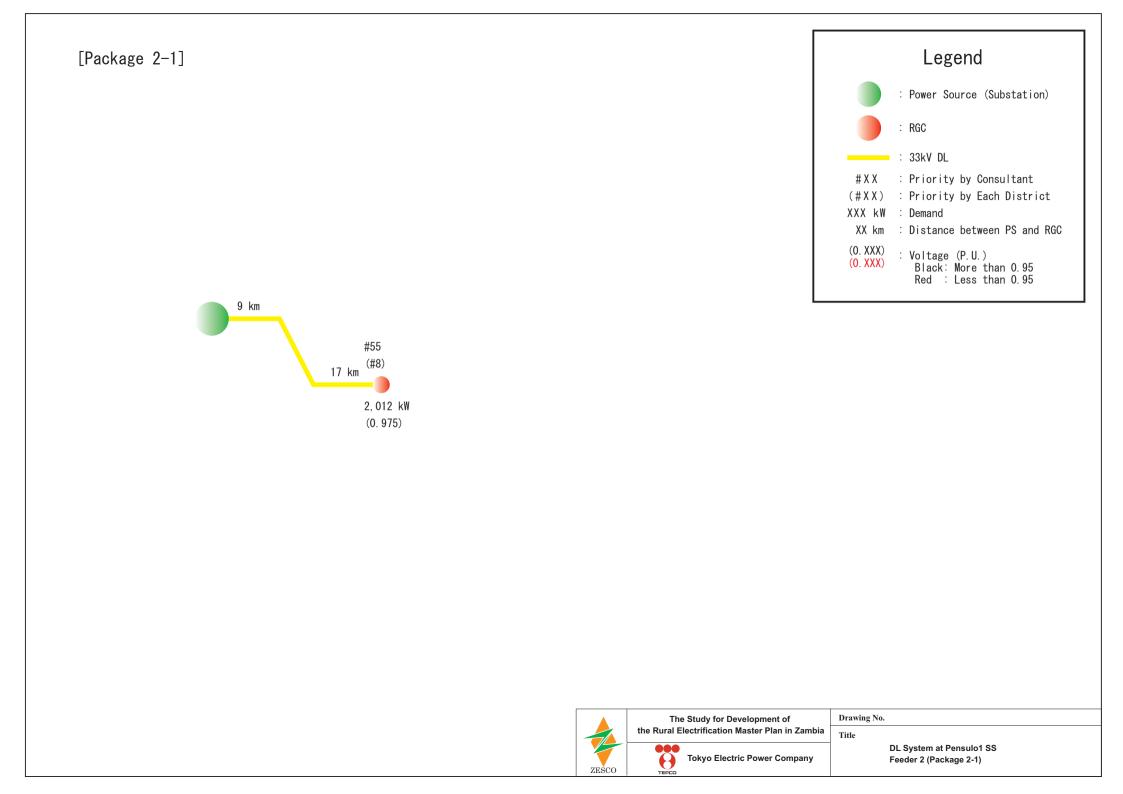


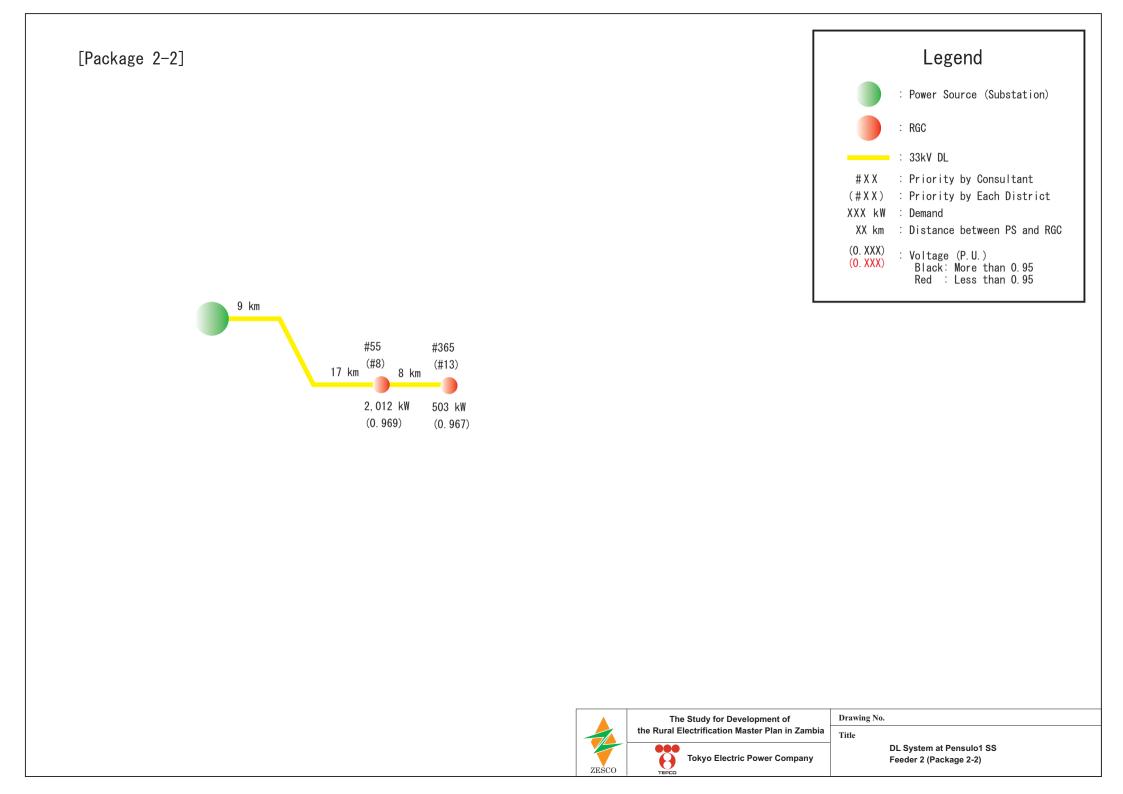
[Package 1-4]

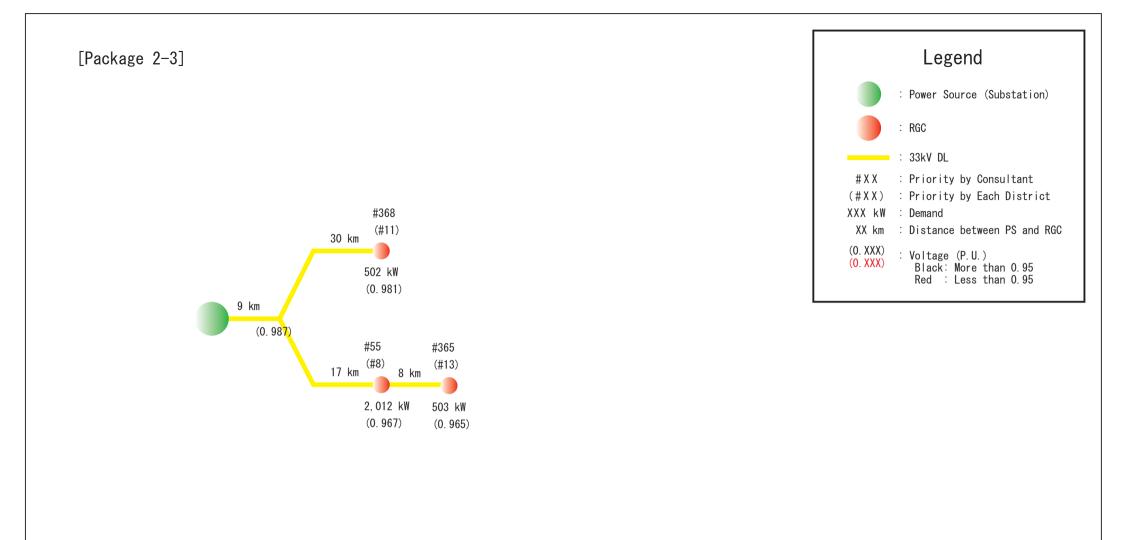


	Legend
	: Power Source (Substation)
	: RGC
	: 33kV DL
# X X	: Priority by Consultant
(#XX)	: Priority by Each District
XXX kW	: Demand
XX km	: Distance between PS and RGC
(0. XXX) (0. XXX)	: Voltage (P.U.) Black: More than 0.95 Red : Less than 0.95



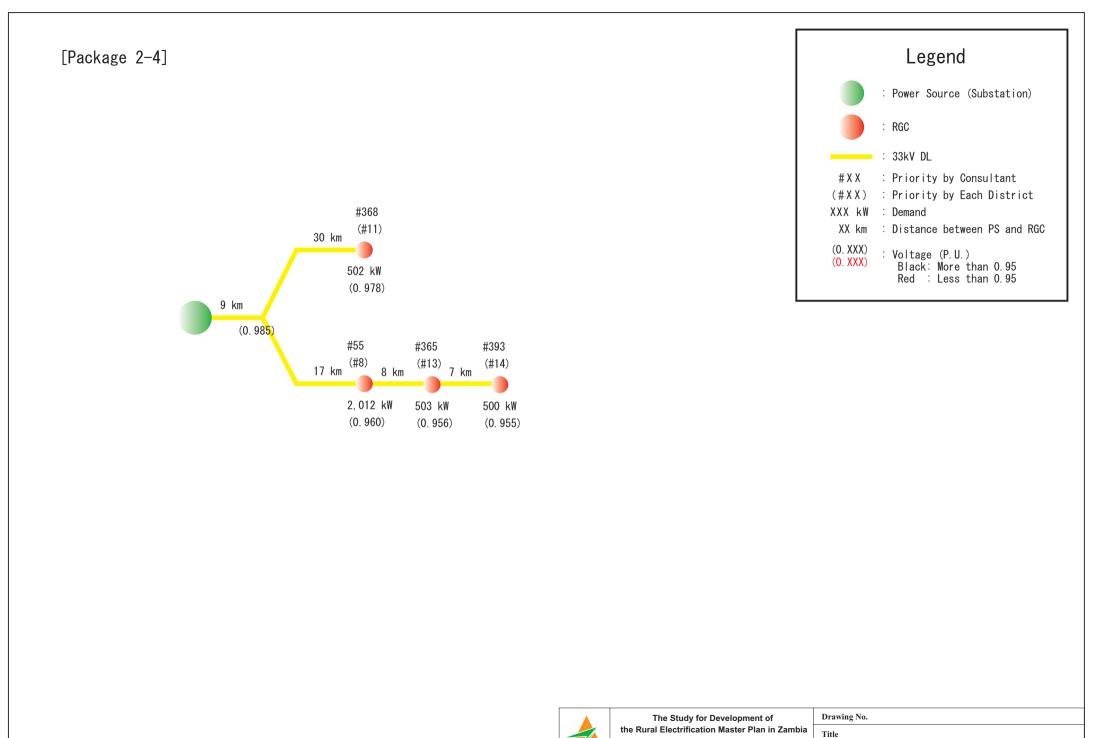








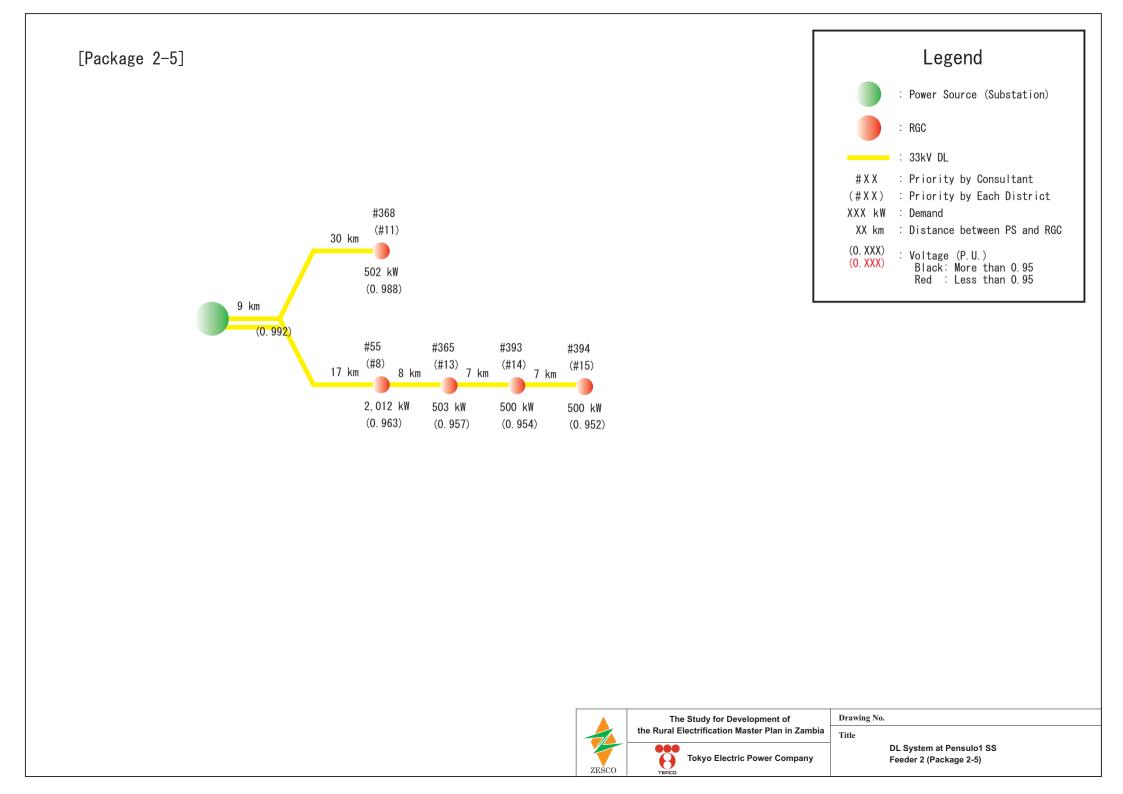
DL System at Pensulo1 SS Feeder 2 (Package 2-3)



ZESCO

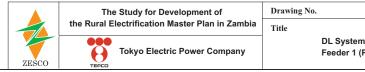
the Rural Electrification Master Plan in Zambia TEPCO Tokyo Electric Power Company

DL System at Pensulo1 SS Feeder 2 (Package 2-4)

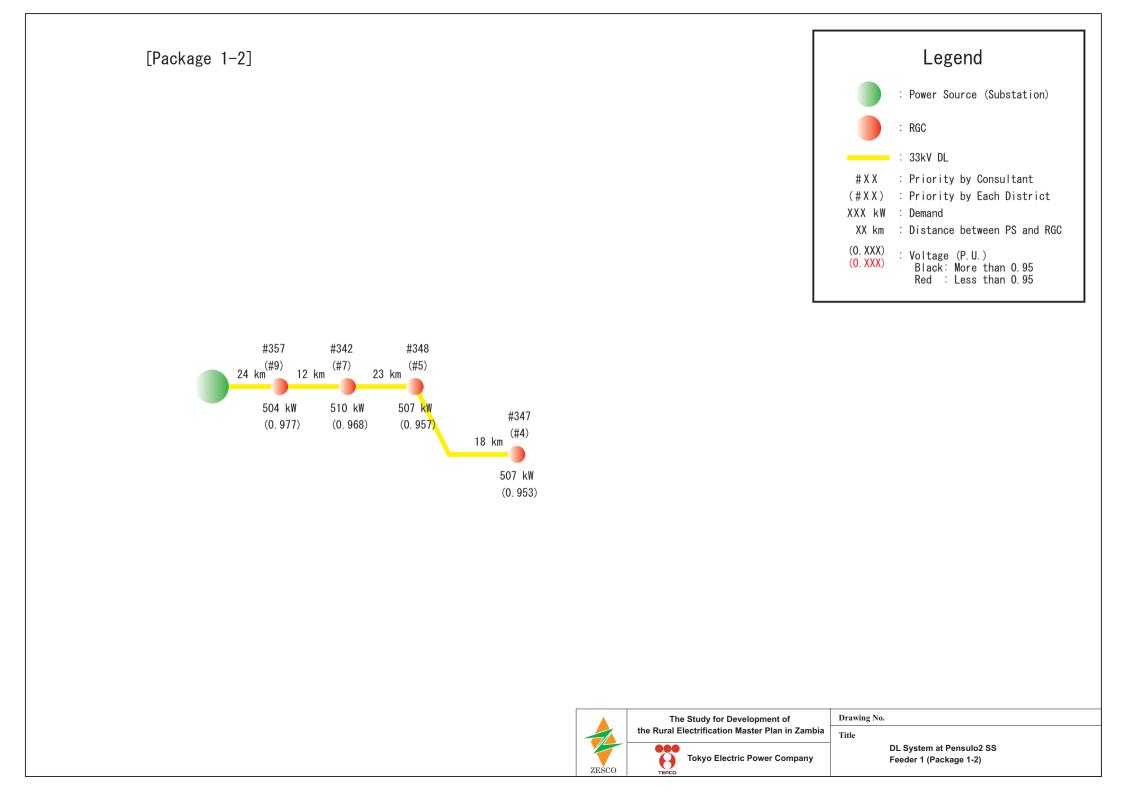


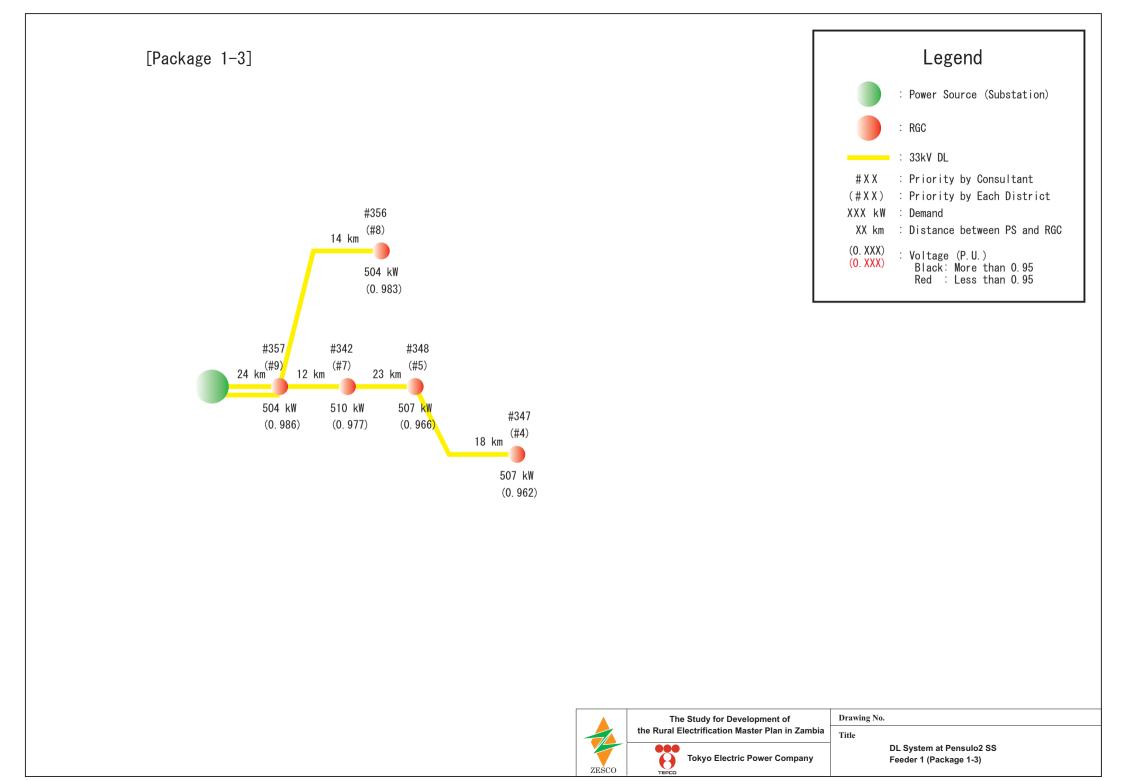


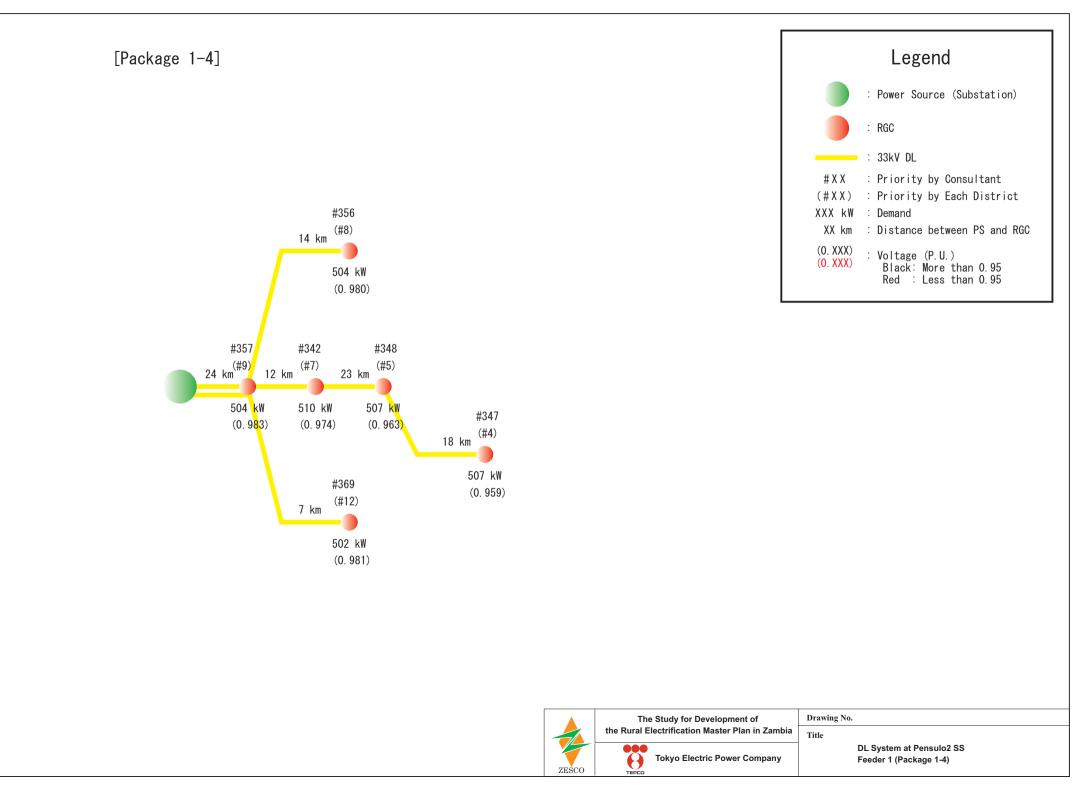
504 kW 510 kW (0.989) (0.986)

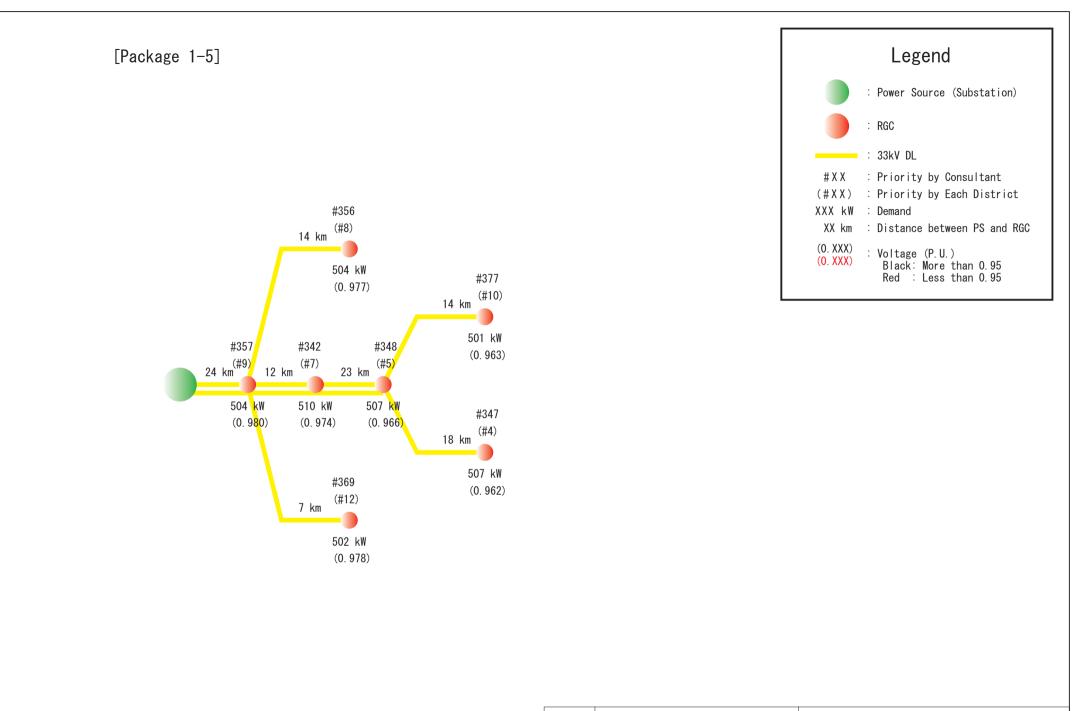


DL System at Pensulo2 SS Feeder 1 (Package 1-1)







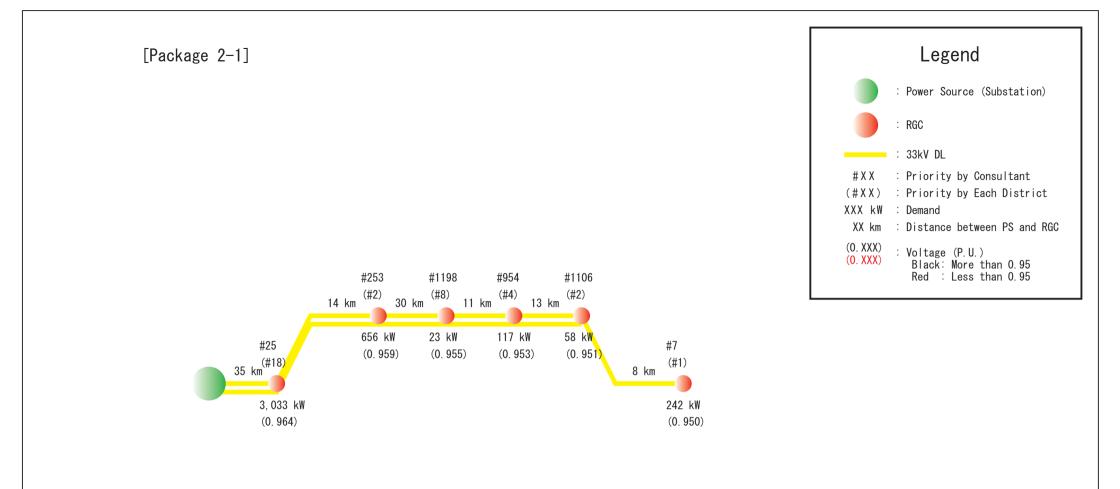


The Study for Development of the Rural Electrification Master Plan in Zambia

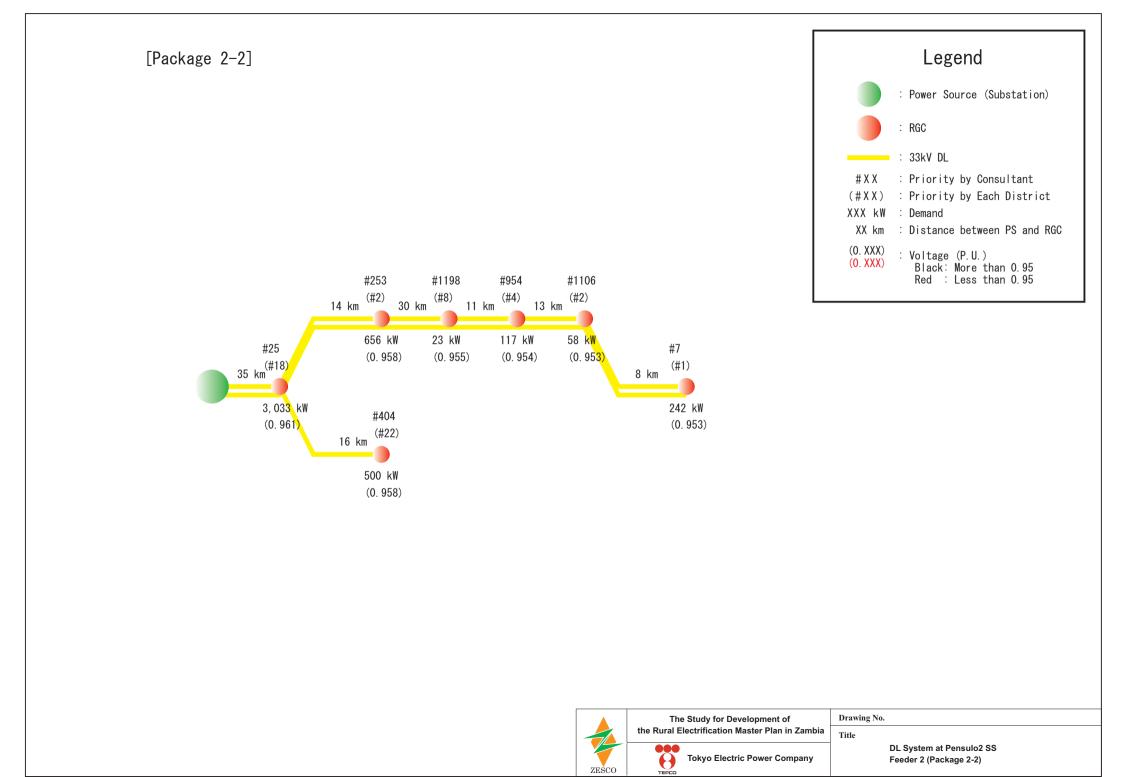
ZESCO

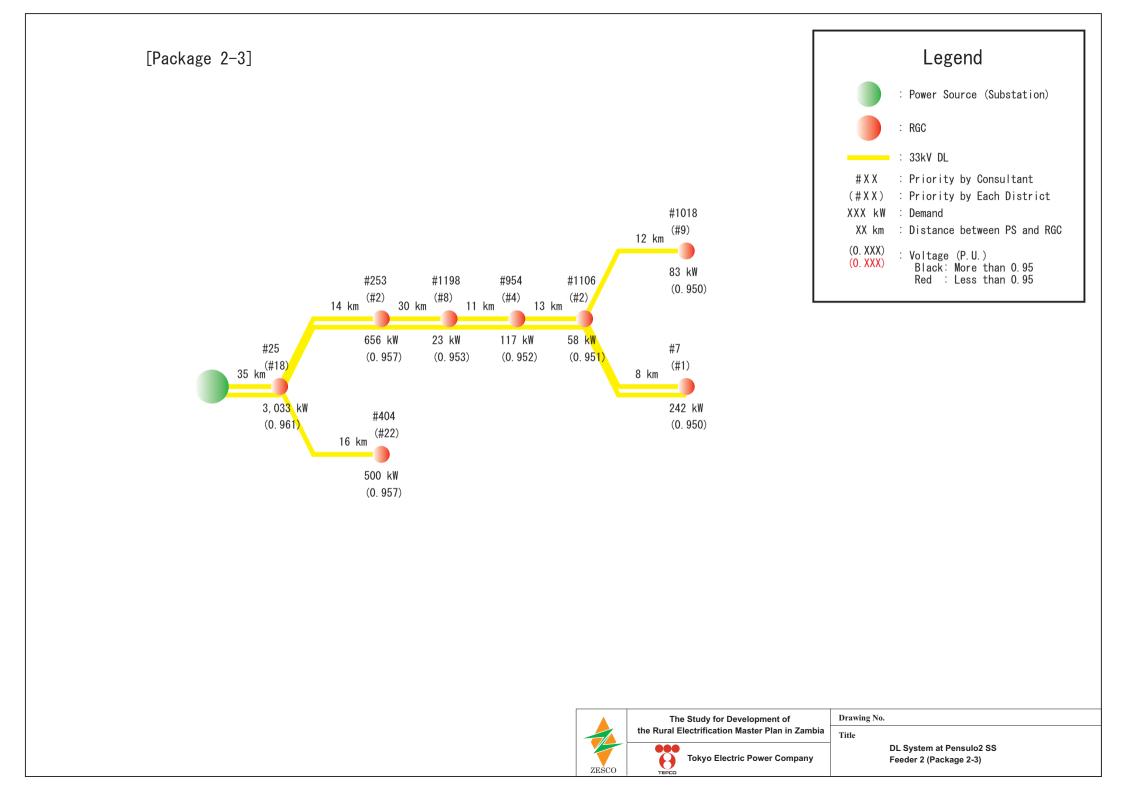
Drawing No. Title

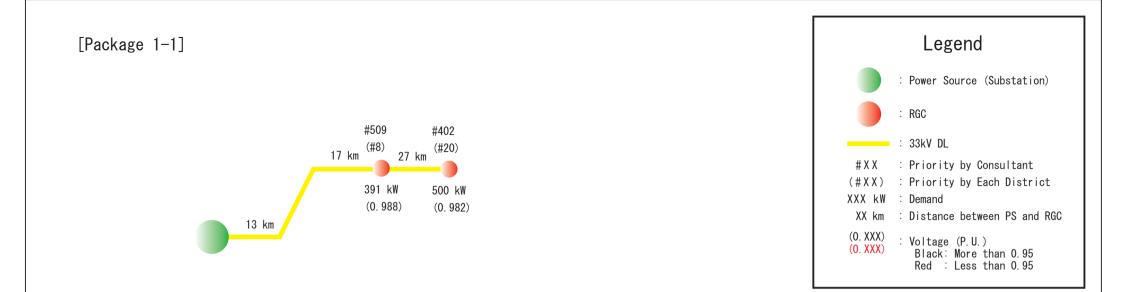
> DL System at Pensulo2 SS Feeder 1 (Package 1-5)





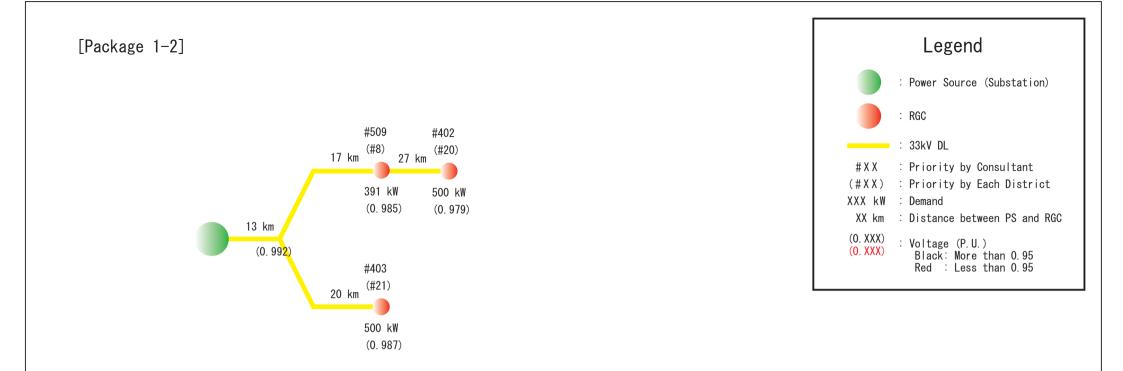




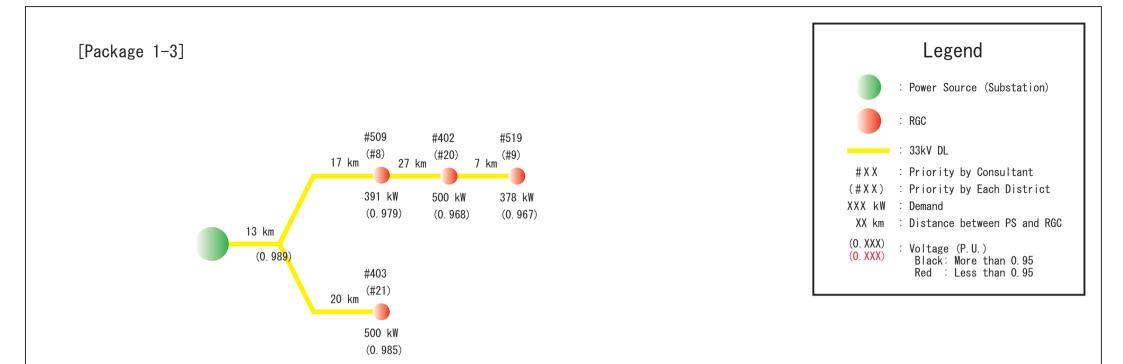


Drawing No. The Study for Development of the Rural Electrification Master Plan in Zambia Title Tokyo Electric Power Company ZESCO

DL System at Samfya1 SS Feeder 1 (Package 1-1)

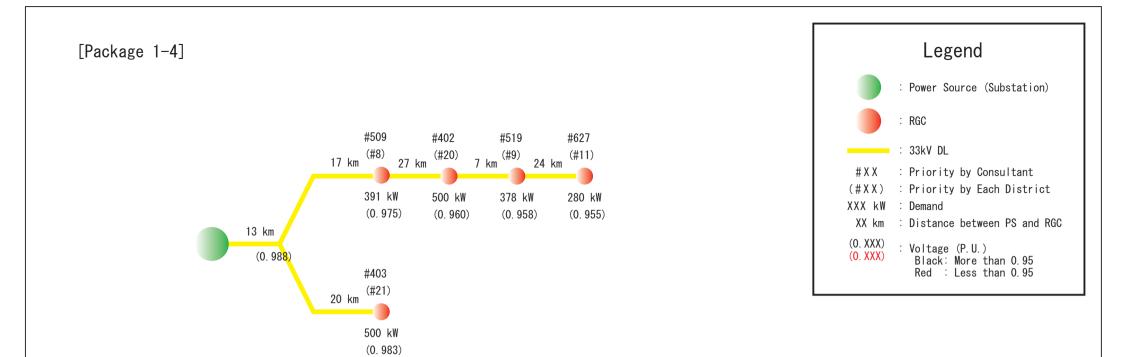


	The Study for Development of	Drawing No.
	the Rural Electrification Master Plan in Zambia	Title
ZESCO	Tokyo Electric Power Company	DL System at Samfya1 SS Feeder 1 (Package 1-2)



	The Study for Development of	Drawing No.
	the Rural Electrification Master Plan in Zambia	Title
ZESCO	Tokyo Electric Power Company	DL System at S Feeder 1 (Pack

Samfya1 SS (age 1-3)

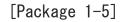


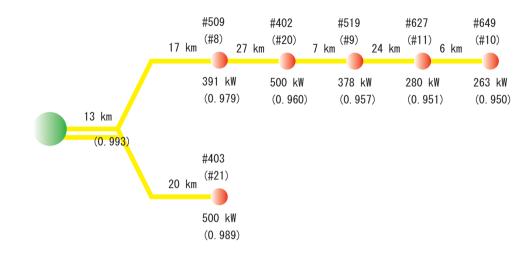
 The Study for Development of the Rural Electrification Master Plan in Zambia
 Drawing No.

 Title
 Title

 VESCO
 Tokyo Electric Power Company

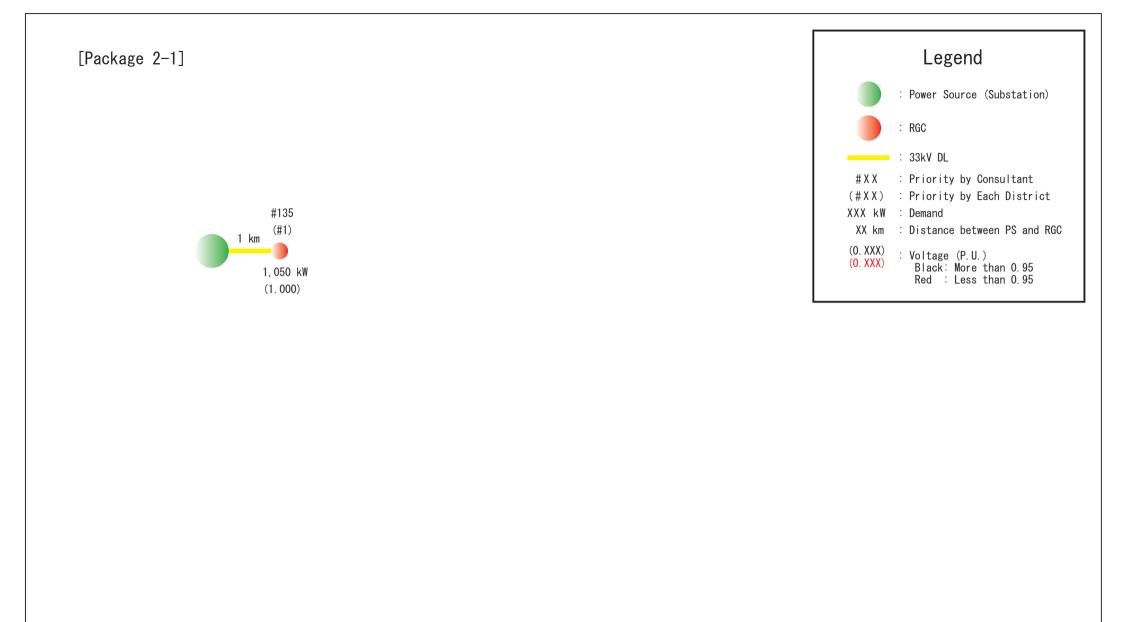
DL System at Samfya1 SS Feeder 1 (Package 1-4)





Legend		
	:	Power Source (Substation)
	:	RGC
	:	33kV DL
# X X	:	Priority by Consultant
(#XX)	:	Priority by Each District
XXX kW	:	Demand
XX km	:	Distance between PS and RGC
(0. XXX) (0. XXX)	:	Voltage (P.U.) Black: More than 0.95 Red : Less than 0.95





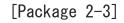
	The Study for Development of	Drawing No.
	the Rural Electrification Master Plan in Zambia	Title
ZESCO	Tokyo Electric Power Company	DL Syster Feeder 2 (

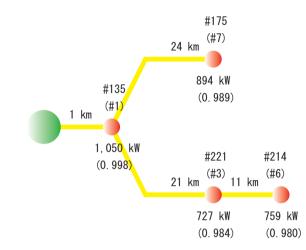
DL System at Samfya1 SS Feeder 2 (Package 2-1)

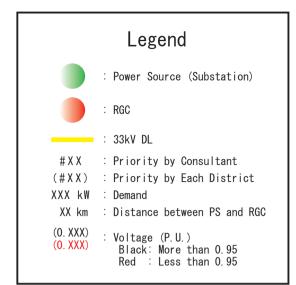


	The Study for Development of	Drawing No.
	the Rural Electrification Master Plan in Zambia	Title
ZESCO	Tokyo Electric Power Company	DL System at Feeder 2 (Pac

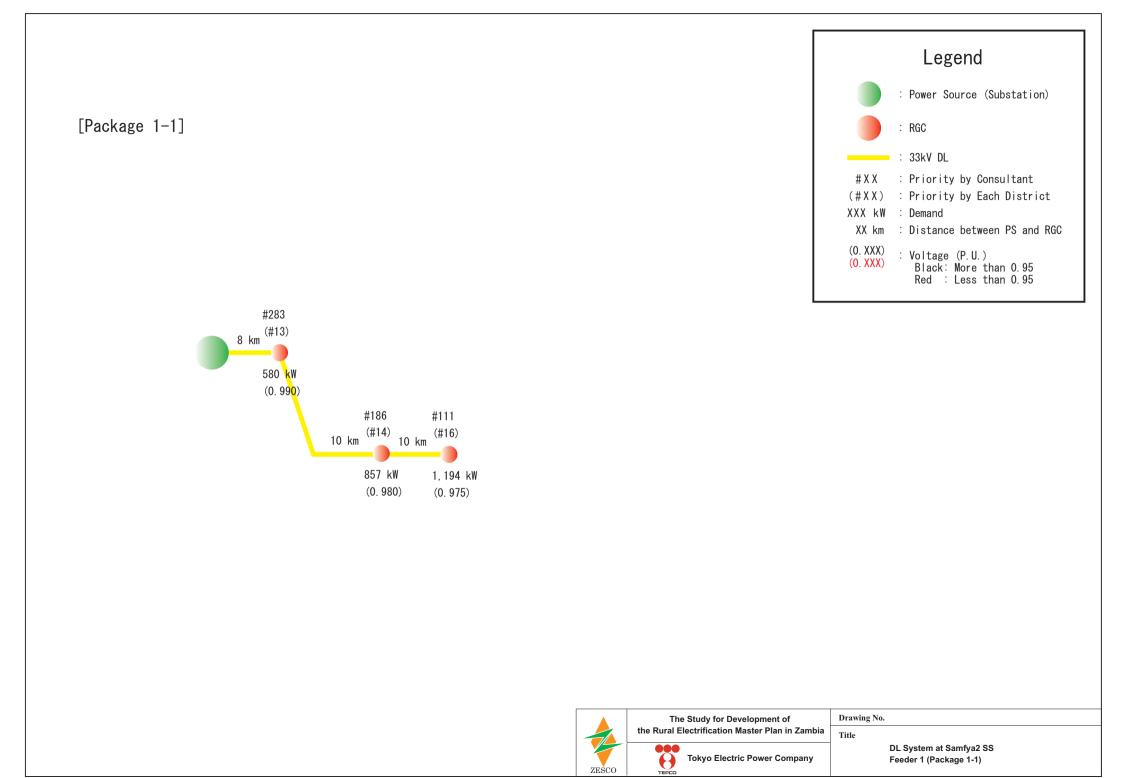
t Samfya1 SS ckage 2-2)

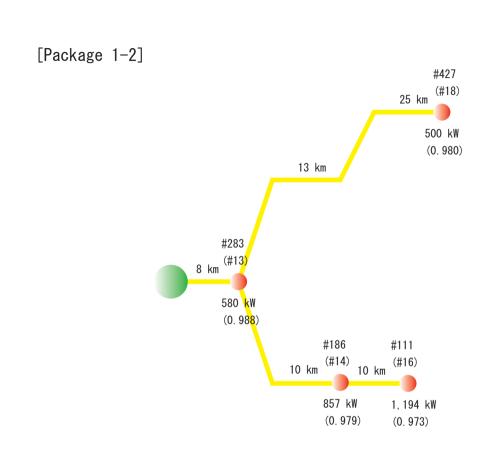


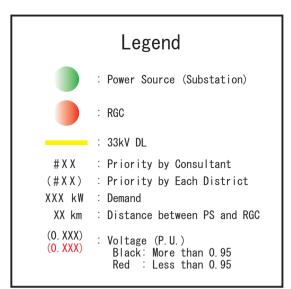






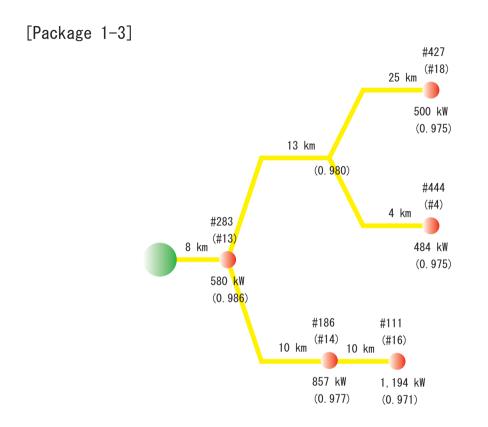


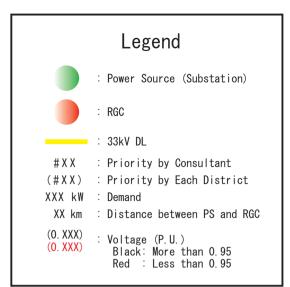






DL System at Samfya2 SS Feeder 1 (Package 1-2)



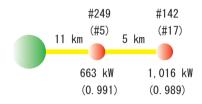


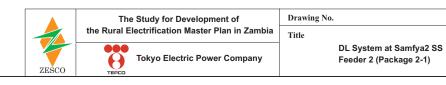


DL System at Samfya2 SS Feeder 1 (Package 1-3)

Legend		
	:	Power Source (Substation)
	:	RGC
	:	33kV DL
# X X	:	Priority by Consultant
(#XX)	:	Priority by Each District
XXX kW	:	Demand
XX km	:	Distance between PS and RGC
(0. XXX) (0. XXX)	:	Voltage (P.U.) Black: More than 0.95 Red : Less than 0.95

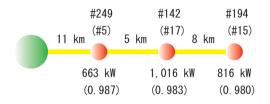
[Package 2-1]





Legend		
	: Power Source (Substation)	
	: RGC	
	: 33kV DL	
# X X	: Priority by Consultant	
(#XX)	: Priority by Each District	
XXX kW	: Demand	
XX km	: Distance between PS and RGC	
(0. XXX) (0. XXX)	: Voltage (P.U.) Black: More than 0.95 Red : Less than 0.95	

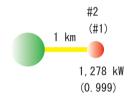
[Package 2-2]





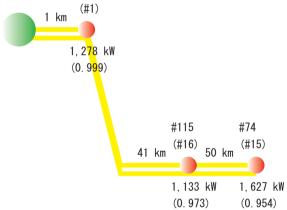
Feeder 2 (Package 2-2)





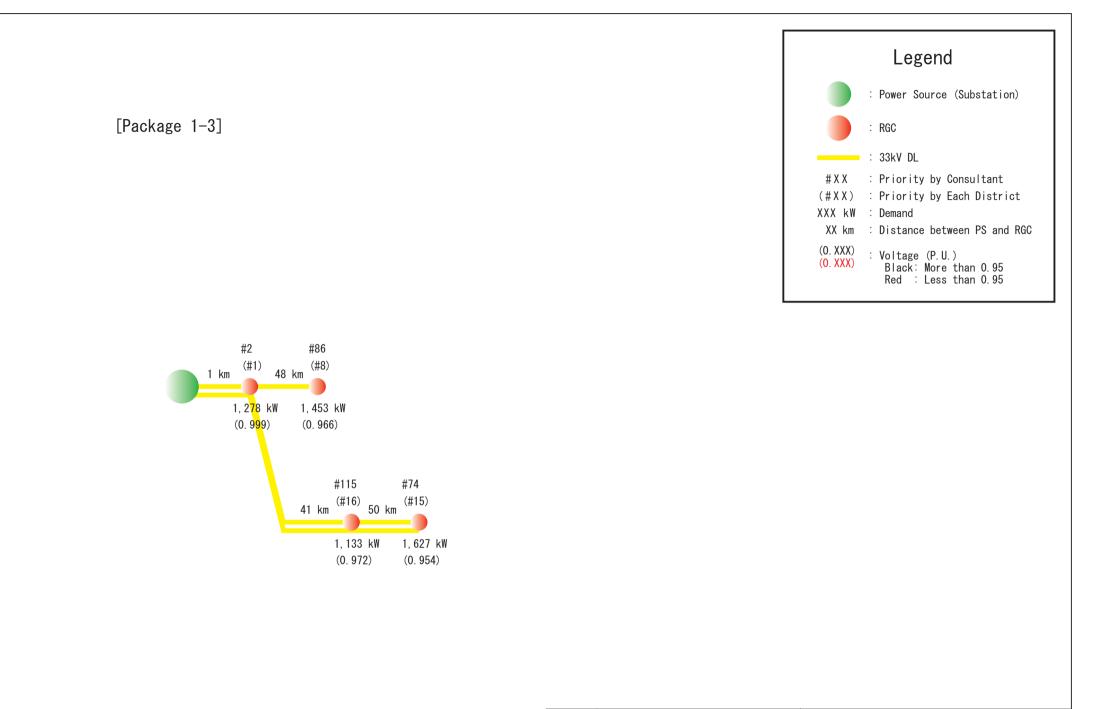








DL System at Senanga1 SS Feeder 1 (Package 1-2)

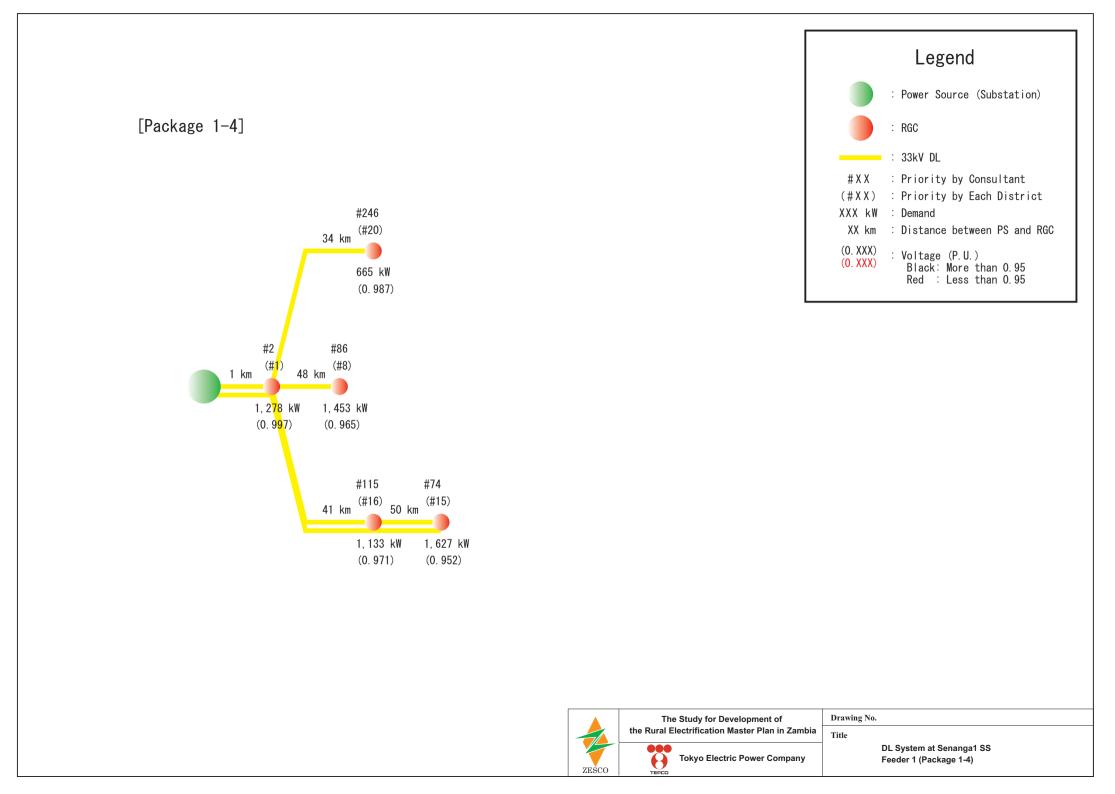


 The Study for Development of the Rural Electrification Master Plan in Zambia
 Drawing No.

 Title
 Title

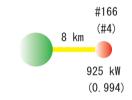
 DESCO
 Tokyo Electric Power Company

DL System at Senanga1 SS Feeder 1 (Package 1-3)



Legend		
	: Power Source (Substation)	
	: RGC	
	: 33kV DL	
# X X	: Priority by Consultant	
(#XX)	: Priority by Each District	
XXX kW	: Demand	
XX km	: Distance between PS and RGC	
(0. XXX) (0. XXX)	: Voltage (P.U.) Black: More than 0.95 Red : Less than 0.95	

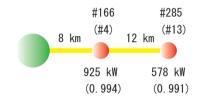
[Package 1-1]





Legend		
	: Power Source (Substation)	
	: RGC	
	: 33kV DL	
# X X	: Priority by Consultant	
(#XX)	: Priority by Each District	
XXX kW	: Demand	
XX km	: Distance between PS and RGC	
(0. XXX) (0. XXX)	: Voltage (P.U.) Black: More than 0.95 Red : Less than 0.95	

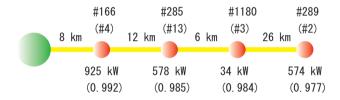
[Package 1-2]





Legend		
	: Power Source (Substation)	
	: RGC	
	: 33kV DL	
# X X	: Priority by Consultant	
(#XX)	: Priority by Each District	
XXX kW	: Demand	
XX km	: Distance between PS and RGC	
(0. XXX) (0. XXX)	: Voltage (P.U.) Black: More than 0.95 Red : Less than 0.95	

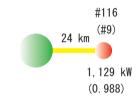
[Package 1-3]





Legend		
	: Power Source (Substation)	
	: RGC	
	: 33kV DL	
# X X	: Priority by Consultant	
(#XX)	: Priority by Each District	
XXX kW	: Demand	
XX km	: Distance between PS and RGC	
(0. XXX) (0. XXX)	: Voltage (P.U.) Black: More than 0.95 Red : Less than 0.95	

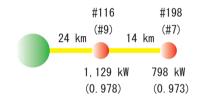
[Package 2-1]





Legend		
	:	Power Source (Substation)
	:	RGC
	:	33kV DL
# X X	:	Priority by Consultant
(#XX)	:	Priority by Each District
XXX kW	:	Demand
XX km	:	Distance between PS and RGC
(0. XXX) (0. XXX)	:	Voltage (P.U.) Black: More than 0.95 Red : Less than 0.95

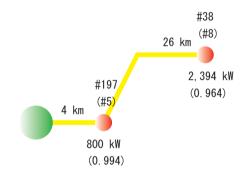
[Package 2-2]



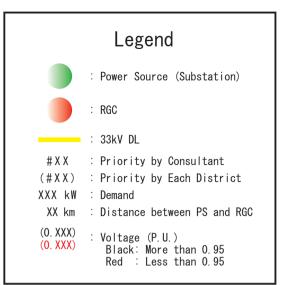


		Legend
	:	Power Source (Substation)
	:	RGC
	:	33kV DL
# X X	:	Priority by Consultant
(#XX)	:	Priority by Each District
XXX kW	:	Demand
XX km	:	Distance between PS and RGC
(0. XXX) (0. XXX)	:	Voltage (P.U.) Black: More than 0.95 Red : Less than 0.95

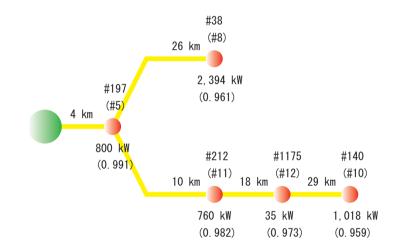
[Package 1-1]







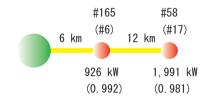
[Package 1-2]





Legend				
	: Power Source (Substation)			
	: RGC			
	: 33kV DL			
# X X	: Priority by Consultant			
(#XX)	: Priority by Each District			
XXX kW	: Demand			
XX km	: Distance between PS and RGC			
(0. XXX) (0. XXX)	: Voltage (P.U.) Black: More than 0.95 Red : Less than 0.95			

[Package 2-1]





Legend			
	: Power Source (Substation)		
	: RGC		
	: 33kV DL		
# X X	: Priority by Consultant		
(#XX)	: Priority by Each District		
XXX kW	: Demand		
XX km	: Distance between PS and RGC		
(0. XXX) (0. XXX)	: Voltage (P.U.) Black: More than 0.95 Red : Less than 0.95		

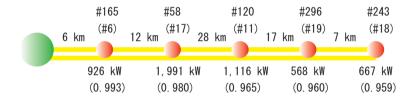
[Package 2-2]





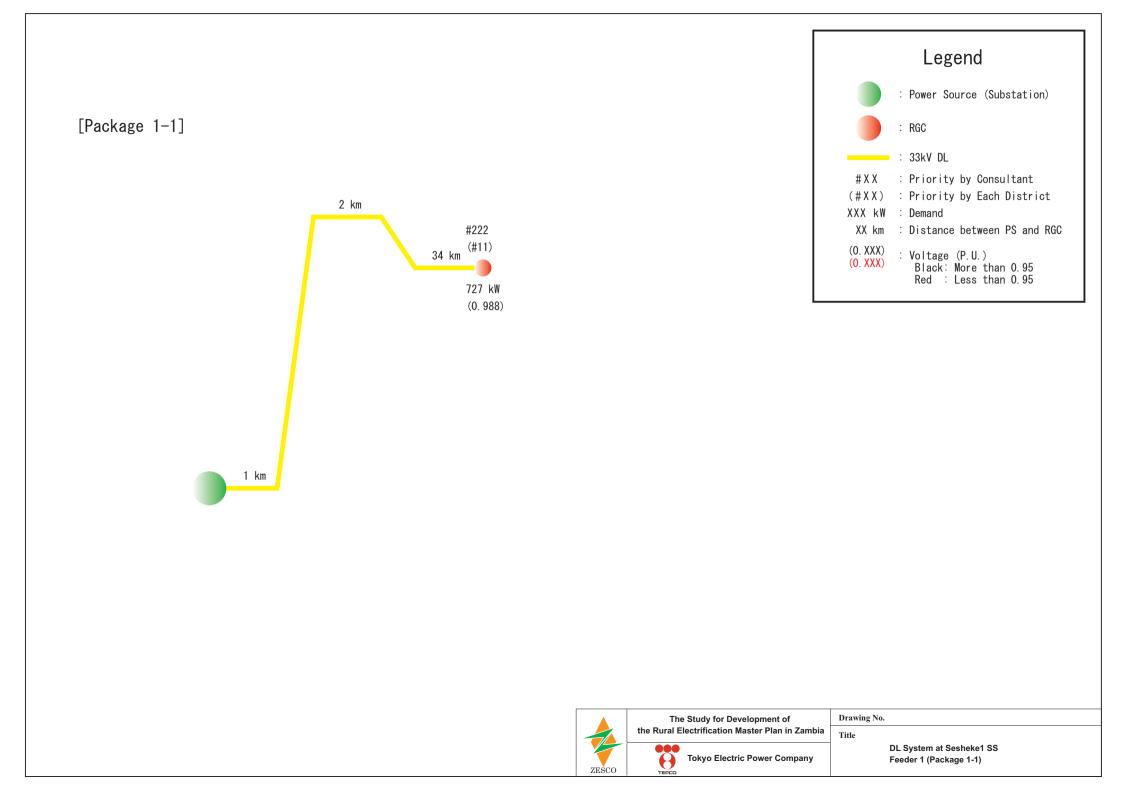
Legend				
	:	Power Source (Substation)		
	:	RGC		
	:	33kV DL		
# X X	:	Priority by Consultant		
(#XX)	:	Priority by Each District		
XXX kW	:	Demand		
XX km	:	Distance between PS and RGC		
(0. XXX) (0. XXX)	:	Voltage (P.U.) Black: More than 0.95 Red : Less than 0.95		

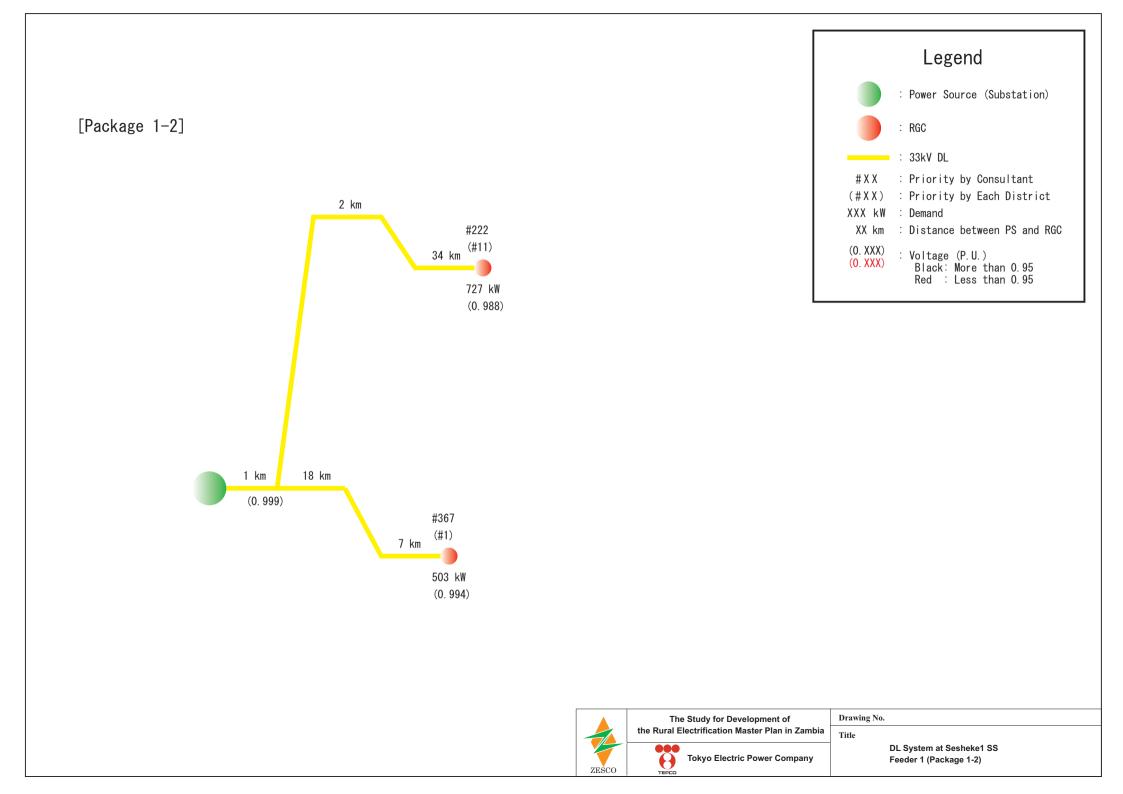
[Package 2-3]

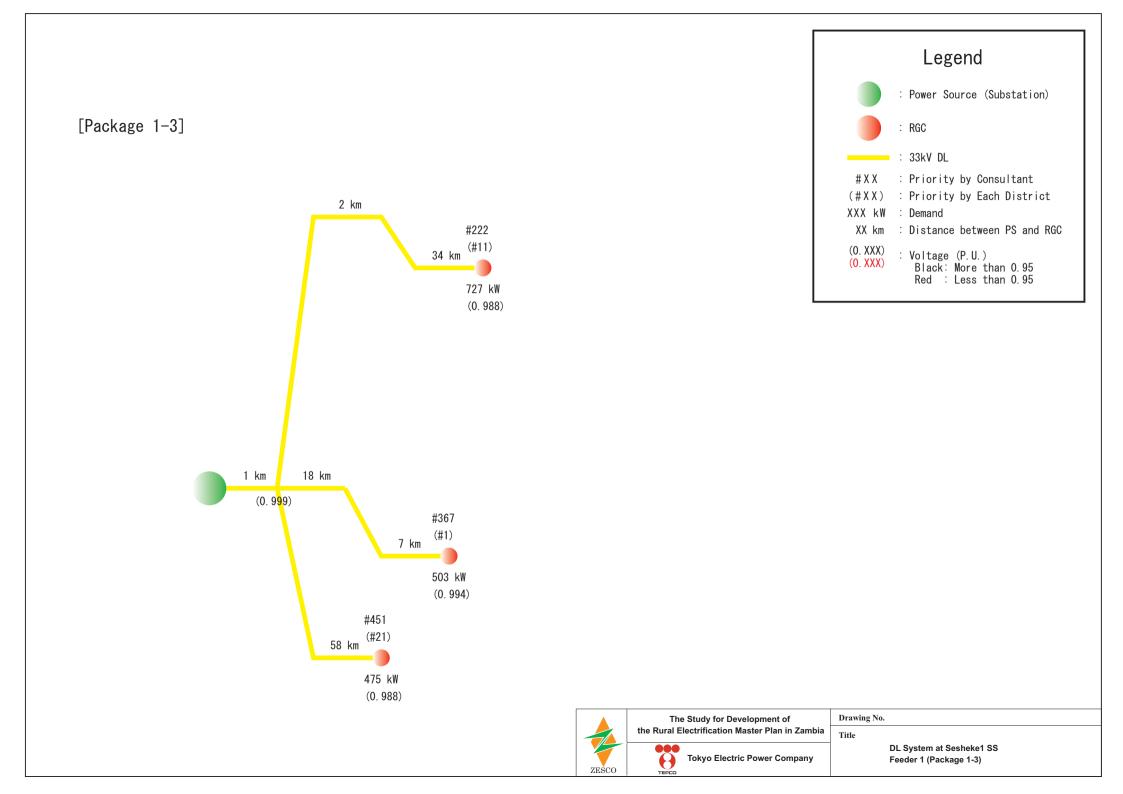


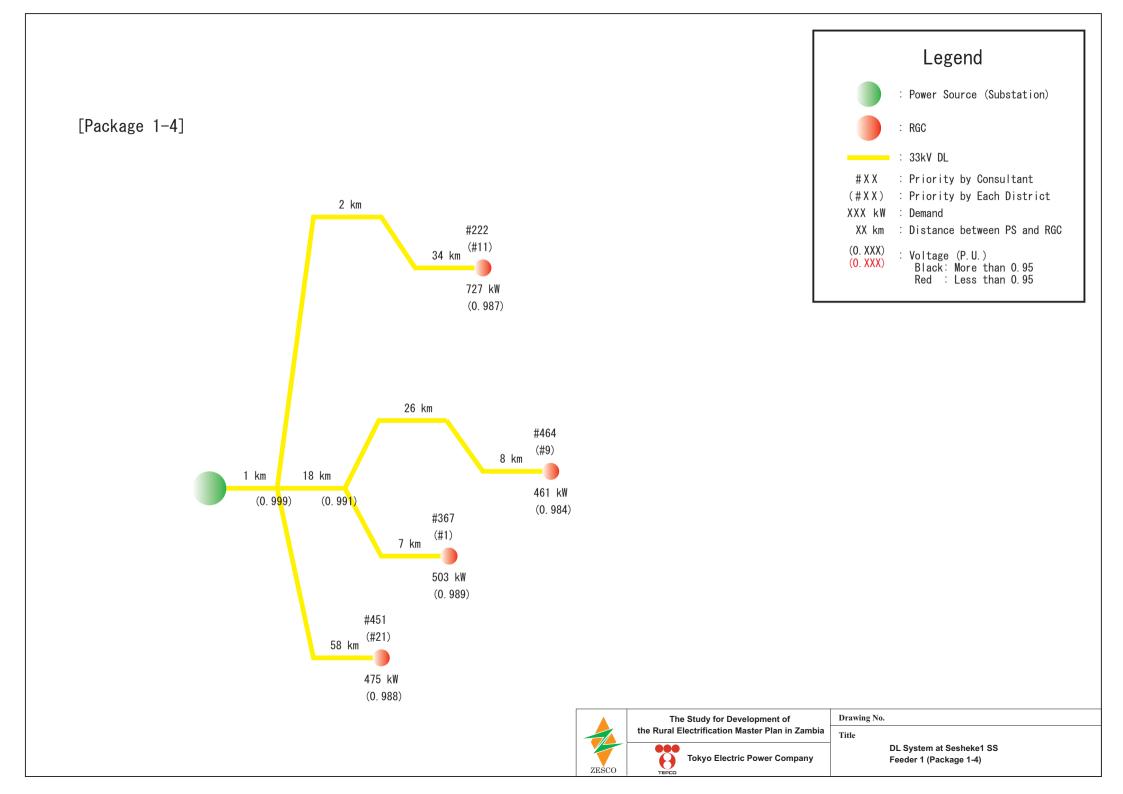


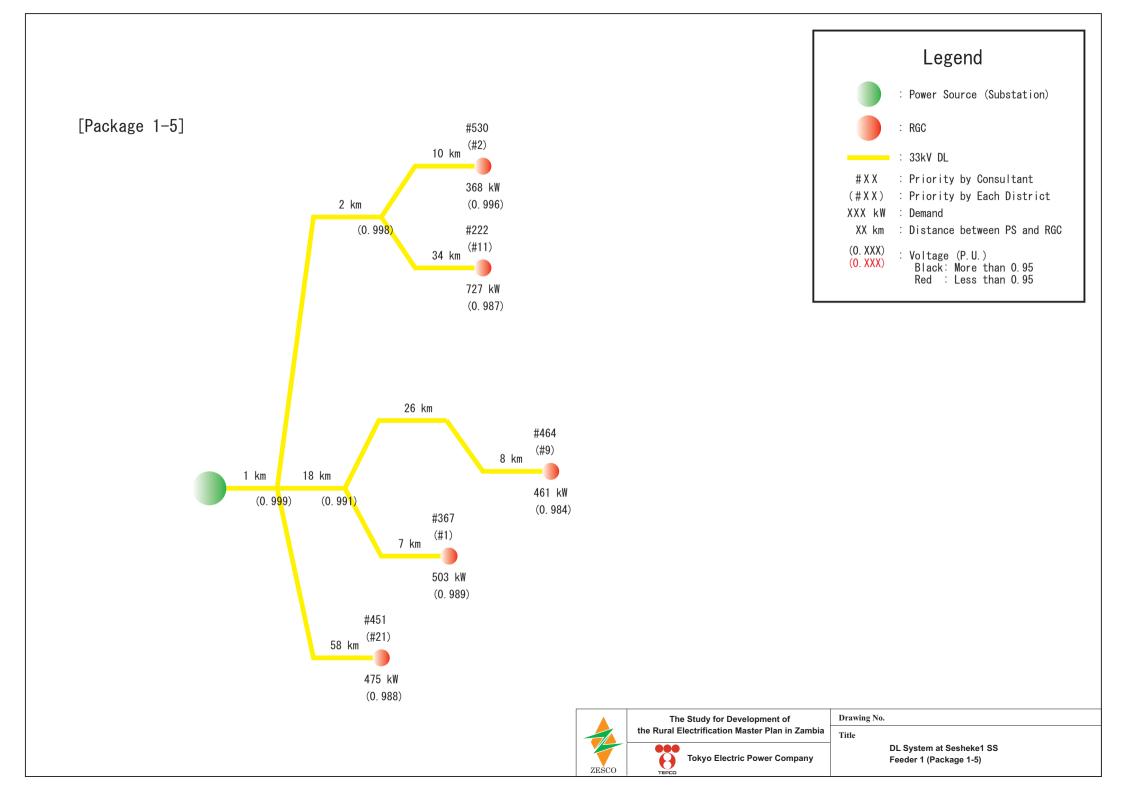
DL System at Senanga3 SS Feeder 2 (Package 2-3)

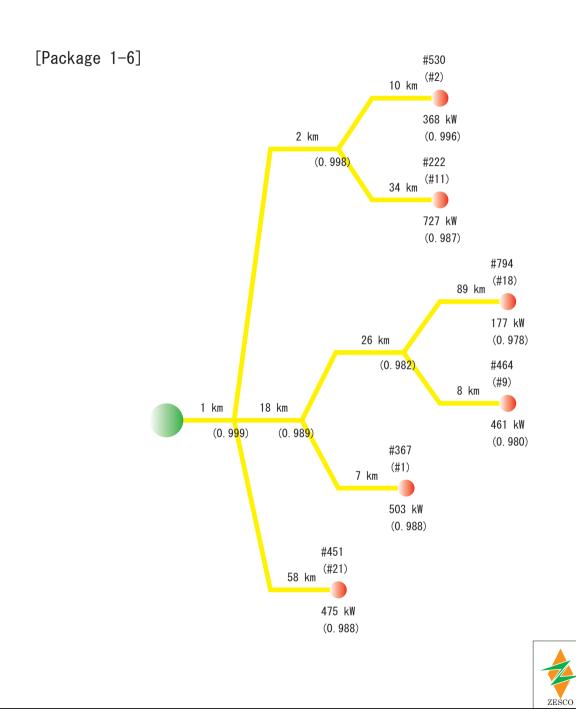


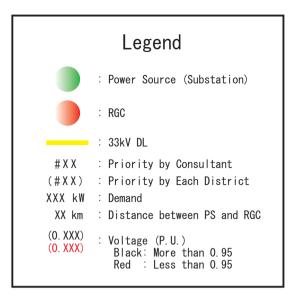






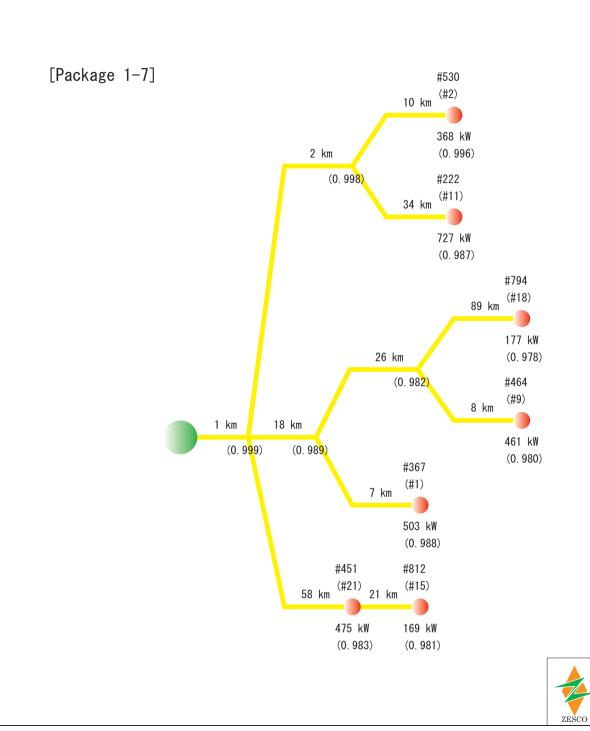








DL System at Sesheke1 SS Feeder 1 (Package 1-6)



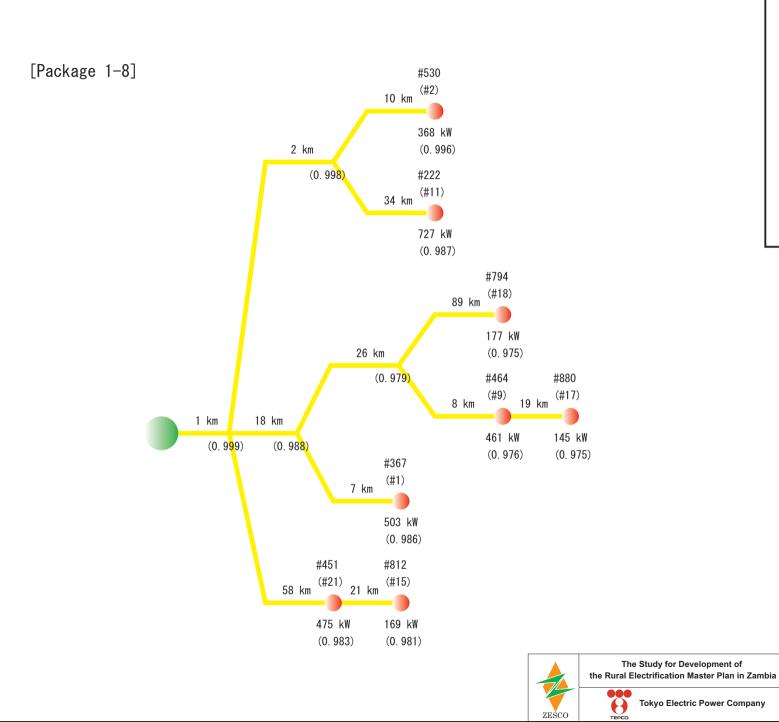
	Legend
	: Power Source (Substation)
	: RGC
	: 33kV DL
# X X	: Priority by Consultant
(#XX)	: Priority by Each District
XXX kW	: Demand
XX km	: Distance between PS and RGC
(0. XXX) (0. XXX)	: Voltage (P.U.) Black: More than 0.95 Red : Less than 0.95

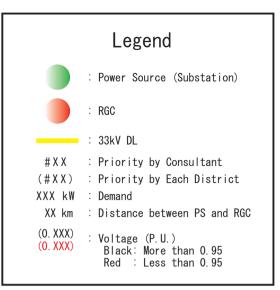


Drawing No.

Title

DL System at Sesheke1 SS Feeder 1 (Package 1-7)





Tokyo Electric Power Company

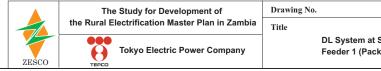
Drawing No.

Title

DL System at Sesheke1 SS Feeder 1 (Package 1-8)



8 km



DL System at Sesheke2 SS Feeder 1 (Package 1-1)

