Summary

					\$ Nominal				
		Assessmer	nt Period	1	Re	egulatory Period	T.		
Service Categories	Related Capex Categories	2013	2014	2015	2016	2017	2018	2019	Total
	Major projects	-	-	-	-	-	-	-	
	Reinforcement	-	-	-	-	-	-	-	
(a) Provide and operate network infrastructure	Replacement	17,708,042	20,238,444	22,198,605	23,356,638	24,363,035	22,303,861	24,668,295	
between input and offtake connection points and	Customer connection	-	-	-	-	=	-	=	
deliver electricity through the network	Underground conversions	-	_	-	-	-	-	-	
	Asset acquisitions	-	-	-	-	-	-	-	
	Subtotal	17,708,042	20,238,444	22,198,605	23,356,638	24,363,035	22,303,861	24,668,295	
	Major projects	-	-	-	-	-	-	-	
	Reinforcement	-	-	-	-	-	-	-	
(1) 5	Replacement	5,195,000	4,668,867	4,234,319	6,381,911	5,862,051	5,754,565	5,931,955	
(b) Provide load management services	Customer connection	-	-	-	-	-	-	-	
	Underground conversions	-	-	-	-	-	-	-	
	Asset acquisitions	-	-	-	-		<u> </u>		
	Subtotal	5,195,000	4,668,867	4,234,319	6,381,911	5,862,051	5,754,565	5,931,955	
	Maian maria ata								
	Major projects	-	-	-	-	-	-	-	
	Reinforcement	-	-	-	-	-	-	-	
(c) Provide connection services, including changes	Replacement	-	-	-	-	-	-	-	
of connection point capacity and/or reliability	Customer connection	-	-	-	-	-	-	-	
	Underground conversions	-	-	-	-	-	-	-	
	Asset acquisitions	-	-	-	-	-	-	-	
	Subtotal	-	-	-	-	-	-	-	
	Major projects	-	-	-	-	-	-	-	
	Reinforcement	-	-	-	<u>-</u>	_	<u>-</u>	<u>-</u>	
	Replacement	-	_	-	<u>-</u>	<u>-</u>	_	_	
(d) Provide for rearrangement of network assets at	Customer connection		_	_	_	_		_	
3rd party request (includes undergrounding)	Underground conversions	_	_	_	_	_			
	Asset acquisitions	- -	-	- -	- -	-	- -	- -	
	Subtotal	-		-			-	-	
	Major projects	-	-	-	-	-	-	-	
	Reinforcement	-	-	-	-	-	-	-	
(e) Optionally, provide an additional service (or	Replacement	-	-	-	-	-	-	-	
services if necessary) to those listed in (a) – (d),	Customer connection	_	-	-	-	-	-	-	
specified by the CPP applicant	Underground conversions	_	-	-	-	-	-	-	
	Asset acquisitions	-	-	-	-	-	-	-	
	Subtotal				-	-		-	
	Total Capex	22,903,042	24,907,312	26,432,925	29,738,550	30,225,087	28,058,427	30,600,250	145,055,23

Project/Programme Name:	Overhead lines subtransmission
Project/Programme Description:	Replacement of 66kV overhead and 33kV overhead lines
Policy Reference:	CPP30
Service Category:	(a) Provide and operate network infrastructure
Capex Category:	Replacement

						ı	Nor	minal terms (\$)					
			Curre	nt Period (Ac	ual)		Assessmer (Forec			Next Pe	eriod Period (Foreca	st)		Total (CPP
Asset Category	Asset Type	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	Period)
		-	-	-	-	-	-	-	-	-	-	-	-	-
Assets owned by the EDB but installed at bulk supply points owned by others		-	-	-	-	-	-	-	-	-	-	-	-	-
Supply points owned by others	Subtotal	-	-	-	-	-	-	-	-	-	-	-	-	-
	<u>-</u>					- 1			- 1	- 1	- 1			
	Subtransmission													
	66 kV Overhead lines (wood pole)	-	-	-	-	-	-	-	-	-	-	-	-	-
	66 kV Overhead lines (towers) 66 kV Underground cables (XLPE)	-	-	-	-	-	-	-	-	2,276,673	-	-	-	2,276,673
	66 KV Oriderground Cables (ALPE)	-	- 1	-	-	•	- 1	-	-	-	-	-	-	
	33 kV Overhead lines (wood pole) 33 kV Underground cables (XLPE)	228,113	207,738	231,271	250,233	428,119	340,000	380,286	412,733	455,335	483,921	497,136	509,389	2,358,515
	33 KV Underground cables (ALPE)	-	-	-	-	-	-	-	-	-	-	-	-	-
0.1.1	Pilot / Communications Circuits	-	-	-	-	-	-	-	-	-	-	-	-	-
Sub-transmission network including power transformers	Substations													
	Zone sub land Zone sub site development and buildings	-	-	-	-	-	-	-	-	-	-	-	-	-
	Power Transformers	-	-	-	-	-	-	-	-	-	-	-	-	-
	Protection (electromechanical) Protection (digital)	-	-	-	-	-	-	-	-	-	-	-	-	-
	Outdoor Structure (concrete pole)	-	-	-	-	-	-	-	-	-	-	-	-	-
	DC Supplies, batteries and inverters Other items	-	-	-	-	-	-	-	-	-	-	-	<u> </u>	-
	Subtotal	228,113	207,738	231,271	250,233	428,119	340,000	380,286	412,733	2,732,007	483,921	497,136	509,389	4,635,187
	Distribution Conductors													
	Distribution Conductors													
	11 kV Overhead lines (wood pole) 11 kV Underground cables (XLPE)	-	-		-	-	-	-	-	-	-	-	-	-
	11 KV Onderground Cables (ALPE)	-	-	-	-	•	-	-	-	-	-	-	-	_
Distribution network including distribution	Distribution Substations													
transformers	Distribution transformers (pole, 1ph/2ph/3ph)	-	-	-	-	-	-	-	-	-	-	-	-	-
	Distribution transformers (pad)	-	-		-	-	-	-	-	-	-	-	-	-
	Distribution substations mount (pole) Distribution substations mount (pad)	-	-	-	-	-	-	-	-	-	-	-	-	-
	Distribution substation mount (building & in customer building)	-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtotal	-	-	-	-	-	-	-	-	-	-	-	-	-
	Surge Diverters (3ph, 66/33kV) / Air break isolators (66/33kV)	-	-	-	-	-	-	-	-	-	-	-	-	-
	Indoor circuit breakers and switchgear (66/33/11kV) Outdoor circuit breakers and switchgear (66/33/11kV)	-	-	-	-	-	-	-	-	-	-	-	-	-
Switchgear (All voltages)	11kV Disconnectors & Dropout fuses	-	-	-	-	-	-	-	-	-	-	-	-	-
	11kV voltage regulators Subtotal	-	-	-	-	-	-	-	-	-	-	-	-	-
						- 1								
	LV Overhead lines (wood pole) LV Underground cables (XLPE)	-	-	-	-	-	-	-	-	-	-	-	-	-
Low voltage distribution network	Link Pillars & LV customer service connections	-	-	-	-	-	-	-	-	-	-	-	-	
	Subtotal	-	-	-	-	-	-	-	-	-	-	-	-	-
	Ripple Injection Plant	-	-	-	-	-	-	-	-	-	-	-	-	-
	SCADA and communications equipment	-	-	-	-	-	-	-	-	-	-	-	-	-
	Metering systems Power factor correction plant	-	-	-	-	-	-	-	-	-	-	-	-	-
Supporting or secondary systems	EDB-owned mobile substations and generators	-	-		-	-	-	-	-	-	-	-	-	-
	Easements Load management systems	-	-	-	-	-	-	-	-	-	-	-	-	-
	Asset management systems	-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtotal	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total Project/Programme	228,113	207,738	231,271	250,233	428,119	340,000	380,286	412,733	2,732,007	483,921	497,136	509,389	4,635,187
							N1	minal tarms (f						
							Nor	minal terms (\$	PJ	Next Pe	eriod			
			Curre	ent Period (Ac	tual)	-	Assessmer	nt Period			Boriod (Force)			

							No	minal terms (\$)					
										Next P	eriod			
			Curre	ent Period (Ac	tual)		Assessme (Fore			СРР	Period (Fored	ast)		Total (Next
Project costs by source		FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	Period)
EDB		-	-						-	-	-		_	-
Related party		-	-		92,046	79,148			-		-	-	-	-
Other sources		228,113	207,738	231,271	158,187	348,971			-		-	-	-	-
To be tendered		-	-			-	340,000	380,286	412,733	2,732,007	483,921	497,136	509,389	4,635,187
	Total Project/Programme	228,113	207.738	231,271	250,233	428,119	340,000	380,286	412,733	2.732.007	483.921	497,136	509.389	4.635.187

Project/Programme Name:
Project/Programme Description:

Replacement of 11kV and 400V overhead lines

Policy Reference:
Service Category:
Capex Category:
Capex

							No	minal terms (5)					
								(,,	Next Po	eriod			
			Curre	ent Period (Ac	tual)		Assessme (Fore			CPP	Period (Foreca	ast)		Total (CPP
Asset Category	Asset Type	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	Period)
		-	-		-	-	-	-	-	-	-	-	-	-
Assets owned by the EDB but installed at bulk		-	-	-	-	-	-	-	-	-	-	-	-	-
supply points owned by others		-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtotal	-	-		-	-	-	-	-	-	-	-	-	-
	Subtransmission													
	66 kV Overhead lines (wood pole)	-	-	-	-	-	-	-	-	-	-	-	-	
	66 kV Overhead lines (towers)	-	-	-	-	-	-	-	-	-	-	-	-	-
	66 kV Underground cables (XLPE)	-	-	-	-	•	-	-	-	-	-	-		-
	20 IAV Overhand Brand Avendande													
	33 kV Overhead lines (wood pole) 33 kV Underground cables (XLPE)	-	-	-	-	-	-	-	-	-	-	-	-	-
	33 KV Onderground cables (AEI E)	_	-		_	_	_	_	-	- 1	-	_	_	
	Pilot / Communications Circuits	-	-	-	-	-	-	-	-	-	-	-	-	-
Sub-transmission network including power														
transformers	Substations													
	Zone sub land	-	-	-	-	-	-	-	-	-	-	-	-	
	Zone sub site development and buildings	-	-	-	-		-	-	-	-	-	-	-	-
	Power Transformers	-	-	-	-	-	-	-	-	-	-	-	-	-
	Protection (electromechanical)	-	-	-	-	-	-	-	-	-	-	-	-	
	Protection (digital) Outdoor Structure (concrete pole)	-	-	-	-	-	-	-	-	-	-	-	-	-
	DC Supplies, batteries and inverters	-	-	-	-	-	-	-	-	-	-	-	-	-
	Other items	-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtotal	-	-	-	-	-	-	-	-	- 1	-	-	-	
	Distribution Conductors													
	11 kV Overhead lines (wood pole)	1.784.961	1.909.733	2.657.243	1.391.018	1.772.276	1.765.000	2.030.057	2.203.268	2.430.683	2.583,286	2.653.830	2.719.238	12.590.306
	11 kV Overhead lines (wood pole) 11 kV Underground cables (XLPE)	1,784,961	1,909,733	2,657,243	1,391,018	1,772,276 -	1,765,000	2,030,057	2,203,268	2,430,683	2,583,286	2,653,830	2,719,238	12,590,306
	11 kV Underground cables (XLPE)													
Distribution network including distribution														
Distribution network including distribution transformers	11 kV Underground cables (XLPE) Distribution Substations													
	11 kV Underground cables (XLPE)	-	-	-	·	-	-	•	-	-	-	-	-	-
	11 kV Underground cables (XLPE) Distribution Substations Distribution transformers (pole, 1ph/2ph/3ph) Distribution transformers (pad) Distribution substations mount (pole)	-	-	-	-	-	-	-	-	-	-	-	-	-
	11 kV Underground cables (XLPE) Distribution Substations Distribution transformers (pole, 1ph/2ph/3ph) Distribution transformers (pad) Distribution substations mount (pole) Distribution substations mount (pad)	-	-	-	-	-	-	-		-		-		-
	11 kV Underground cables (XLPE) Distribution Substations Distribution transformers (pole, 1ph/2ph/3ph) Distribution transformers (pad) Distribution substations mount (pole) Distribution substations mount (pad) Distribution substations mount (building & in customer building)	-	-	- - - - -	-	-	-			-		- - - -	-	-
	11 kV Underground cables (XLPE) Distribution Substations Distribution transformers (pole, 1ph/2ph/3ph) Distribution transformers (pad) Distribution substations mount (pole) Distribution substations mount (pad)	-	-	-	-	-	-	-		-		-		-
	11 kV Underground cables (XLPE) Distribution Substations Distribution transformers (pole, 1ph/2ph/3ph) Distribution transformers (pad) Distribution substations mount (pole) Distribution substations mount (pad) Distribution substations mount (building & in customer building) Subtotal Surge Diverters (3ph, 66/33kV) / Air break isolators (66/33kV)	-	-	- - - - -	-	-	-			-		- - - -	-	-
	11 kV Underground cables (XLPE) Distribution Substations Distribution transformers (pole, 1ph/2ph/3ph) Distribution transformers (pad) Distribution substations mount (pole) Distribution substations mount (pad) Distribution substation mount (building & in customer building) Substation Substation mount (building & in customer building) Surge Diverters (3ph, 66/33kV) / Air break isolators (66/33kV) Indoor circuit breakers and switchgear (66/33/11kV)	1,784,961	1,909,733	2,657,243	1,391,018	1,772,276	1,765,000	2,030,057	2,203,268	2,430,683	2,583,286	2,653,830	2,719,238	12,590,300
	11 kV Underground cables (XLPE) Distribution Substations Distribution transformers (pole, 1ph/2ph/3ph) Distribution transformers (pad) Distribution substations mount (pole) Distribution substations mount (pad) Distribution substations mount (building & in customer building) Subtotal Surge Diverters (3ph, 66/33kV) / Air break isolators (66/33kV) Indoor circuit breakers and switchgear (66/33/11kV) Outdoor circuit breakers and switchgear (66/33/11kV)	1,784,961	1,909,733	2,657,243	- - - 1,391,018	1,772,276	- - - - 1,765,000	- - - - 2,030,057	- - - - - - 2,203,268	2,430,683	2,583,286	- - - - 2,653,830	- - - - 2,719,238	12,590,306
transformers	11 kV Underground cables (XLPE) Distribution Substations Distribution transformers (pole, 1ph/2ph/3ph) Distribution transformers (pad) Distribution substations mount (pole) Distribution substations mount (pad) Distribution substations mount (building & in customer building) Subtotal Surge Diverters (3ph, 66/33kV) / Air break isolators (66/33kV) Indoor circuit breakers and switchgear (66/33/11kV) Outdoor circuit breakers and switchgear (66/33/11kV) 11kV Disconnectors & Dropout fuses	1,784,961	1,909,733	- - - - - 2,657,243	- - - - - 1,391,018	- - - - 1,772,276	1,765,000	- - - 2,030,057 - - 316,430	2,203,268	2,430,683	2,583,286	- - - 2,653,830 - - - 323,690	2,719,238	12,590,300
transformers	11 kV Underground cables (XLPE) Distribution Substations Distribution transformers (pole, 1ph/2ph/3ph) Distribution transformers (pad) Distribution substations mount (pole) Distribution substations mount (pad) Distribution substations mount (building & in customer building) Subtotal Surge Diverters (3ph, 66/33kV) / Air break isolators (66/33kV) Indoor circuit breakers and switchgear (66/33/11kV) Outdoor circuit breakers and switchgear (66/33/11kV)	1,784,961	1,909,733	2,657,243	- - - 1,391,018	1,772,276	- - - - 1,765,000	- - - - 2,030,057	- - - - - - 2,203,268	2,430,683	2,583,286	- - - - 2,653,830	- - - - 2,719,238	- - - 12,590,300 - - - 1,625,514
transformers	11 kV Underground cables (XLPE) Distribution Substations Distribution transformers (pole, 1ph/2ph/3ph) Distribution transformers (pad) Distribution substations mount (pole) Distribution substations mount (pad) Distribution substations mount (building & in customer building) Subtotal Surge Diverters (3ph, 66/33kV) / Air break isolators (66/33kV) Indoor circuit breakers and switchgear (66/33/11kV) Outdoor circuit breakers and switchgear (66/33/11kV) 11kV Disconnectors & Dropout fuses 11kV voltage regulators Subtotal	1,784,961	1,909,733	- - - - 2,657,243	- - - - 1,391,018	- - - - 1,772,276	- - - - 1,765,000 - - - 300,000 - 300,000	- - - 2,030,057 - - 316,430 - 316,430	2,203,268 - 2,203,268 - 317,316 - 317,316	2,430,683 - 2,430,683 - 322,988 - 322,988	2,583,286 - 2,583,286 - 325,515 - 325,515	- - - 2,653,830 - - - 323,690 - 323,690	2,719,238 - 2,719,238 - 336,004	- - - 12,590,306 - - - 1,625,514
transformers	11 kV Underground cables (XLPE) Distribution Substations Distribution transformers (pole, 1ph/2ph/3ph) Distribution substations mount (pole) Distribution substations mount (pole) Distribution substations mount (pad) Distribution substations mount (building & in customer building) Subtotal Surge Diverters (3ph, 66/33kV) / Air break isolators (66/33kV) Indoor circuit breakers and switchgear (66/33/11kV) Outdoor circuit breakers and switchgear (66/33/11kV) 11kV Disconnectors & Dropout fuses 11kV voltage regulators Subtotal	1,784,961	1,909,733	- - - - - 2,657,243 - - - - - - - - - - - - - - - - - - -	- - - - 1,391,018 - - - - - - - - - - - 1,393,018	- - - - - 1,772,276	- - - - - 1,765,000 - - - 300,000 - 300,000	2,030,057 - 2,030,057 - 316,430 - 316,430	2,203,268 - 2,203,268 - 317,316 - 317,316	2,430,683 	2,583,286 - 2,583,286 - 325,515 - 325,515 797,047	2,653,830 - 2,653,830 - 323,690 - 323,690 818,813	- - - - - 2,719,238 - - - 336,004 838,994	12,590,306 - - 1,625,514 1,625,514 3,884,612
transformers	11 kV Underground cables (XLPE) Distribution Substations Distribution transformers (pole, 1ph/2ph/3ph) Distribution transformers (pad) Distribution substations mount (pole) Distribution substations mount (pad) Distribution substations mount (building & in customer building) Subtotal Surge Diverters (3ph, 66/33kV) / Air break isolators (66/33kV) Indoor circuit breakers and switchgear (66/33/11kV) Outdoor circuit breakers and switchgear (66/33/11kV) 11kV Disconnectors & Dropout fuses 11kV voltage regulators Subtotal LV Overhead lines (wood pole) LV Underground cables (XLPE)	- - - - - - - - - - - - - - - - - - -	1,909,733	2,657,243 	- - - - - - - - - - - - - - - - - - -	- - - - - 1,772,276 - - - - - - - - - - - - - - - - - - -	- - - - - 1,765,000 - - - - 300,000 - - 300,000 - -	2,030,057 - - - 316,430 - 316,430 626,354	2,203,268 - 2,203,268 - 317,316 - 317,316	2,430,683 - 2,430,683 - 322,988 322,988 749,963	2,583,286 - 2,583,286 - 325,515 - 325,515 797,047	2,653,830 - 2,653,830 - 323,690 - 323,690 818,813	- - - - 2,719,238 - - - - 336,004 838,994	12,590,306 - - 1,625,514 - 1,625,514 3,884,612
transformers S	11 kV Underground cables (XLPE) Distribution Substations Distribution transformers (pole, 1ph/2ph/3ph) Distribution substations mount (pole) Distribution substations mount (pole) Distribution substations mount (pad) Distribution substations mount (building & in customer building) Subtotal Surge Diverters (3ph, 66/33kV) / Air break isolators (66/33kV) Indoor circuit breakers and switchgear (66/33/11kV) Outdoor circuit breakers and switchgear (66/33/11kV) 11kV Disconnectors & Dropout fuses 11kV voltage regulators Subtotal	1,784,961	1,909,733	- - - - - 2,657,243 - - - - - - - - - - - - - - - - - - -	- - - - 1,391,018 - - - - - - - - - - - 1,393,018	- - - - - 1,772,276	- - - - - 1,765,000 - - - 300,000 - 300,000	2,030,057 - 2,030,057 - 316,430 - 316,430	2,203,268 - 2,203,268 - 317,316 - 317,316	2,430,683 	2,583,286 - 2,583,286 - 325,515 - 325,515 797,047	2,653,830 - 2,653,830 - 323,690 - 323,690 818,813	- - - - - 2,719,238 - - - 336,004 838,994	12,590,306 - 1,625,514 3,884,612
transformers S	11 kV Underground cables (XLPE) Distribution Substations Distribution transformers (pole, 1ph/2ph/3ph) Distribution transformers (pad) Distribution substations mount (pole) Distribution substations mount (pad) Distribution substations mount (pad) Distribution substations mount (building & in customer building) Subtotal Surge Diverters (3ph, 66/33kV) / Air break isolators (66/33kV) Indoor circuit breakers and switchgear (66/33/11kV) Outdoor circuit breakers and switchgear (66/33/11kV) 11kV Disconnectors & Dropout fuses 11kV voltage regulators Subtotal LV Overhead lines (wood pole) LV Underground cables (XLPE) Link Pillars & LV customer service connections Subtotal	1,784,961	1,909,733	- - - 2,657,243 - - - - 1,063,709	- - - - 1,391,018 - - - - - - - - - - - - - - - - - - -	- - - - 1,772,276 - - - - - - - - - - - - - - - - - - -	- - - - 1,765,000 - - - 300,000 - 560,000 - -	2,030,057 - 2,030,057 - 316,430 - 316,430 - 626,354	2,203,268 - 2,203,268 - 317,316 - 317,316	2,430,683 - 2,430,683 - 322,988 - 322,988 - 749,963	2,583,286 - 2,583,286 - 325,515 - 325,515 797,047	2,653,830 - 2,653,830 - 323,690 - 323,690 818,813	2,719,238 - 2,719,238 - 336,004 - 336,004 - 838,994	12,590,306 - - 1,625,514 - 1,625,514 3,884,612
transformers S	11 kV Underground cables (XLPE) Distribution Substations Distribution transformers (pole, 1ph/2ph/3ph) Distribution transformers (pad) Distribution substations mount (pole) Distribution substations mount (pad) Distribution substations mount (building & in customer building) Subtotal Surge Diverters (3ph, 66/33kV) / Air break isolators (66/33kV) Indoor circuit breakers and switchgear (66/33/11kV) Outdoor circuit breakers and switchgear (66/33/11kV) 11kV Disconnectors & Dropout fuses 11kV voltage regulators Subtotal LV Overhead lines (wood pole) LV Underground cables (XLPE) Link Pillars & LV customer service connections Subtotal Ripple Injection Plant	- 1,784,961 	1,909,733 	- - - - 2,657,243 - - - - - - 1,063,709 - - 1,063,709	- - - 1,391,018 - - - - - - - - - - - - - - - - - - -	- - - - 1,772,276 - - - - - - - - - - - - - - - - - - -	- - - - 1,765,000 - - - 300,000 - - 300,000 - - - - - - - - - - - - - - - - -	2,030,057 - - 2,030,057 - - 316,430 626,354 - - 626,354	2,203,268 - 2,203,268 - 317,316 - 317,316 679,796 - 679,796	2,430,683 - 2,430,683 - 322,988 322,988 749,963 - 749,963	2,583,286 - 2,583,286 - 325,515 325,515 797,047 - 797,047	2,653,830 - - 323,690 - 323,690 818,813 - 818,813	- - - - - 2,719,238 - - - 336,004 - 336,004 838,994 - - - 838,994	12,590,306 - 12,590,306 - 1,625,514 3,884,612 - 3,884,612
transformers S	11 kV Underground cables (XLPE) Distribution Substations Distribution transformers (pole, 1ph/2ph/3ph) Distribution transformers (pole, 1ph/2ph/3ph) Distribution substations mount (pole) Distribution substations mount (pad) Distribution substations mount (building & in customer building) Subtotal Surge Diverters (3ph, 66/33kV) / Air break isolators (66/33kV) Indoor circuit breakers and switchgear (66/33/11kV) Outdoor circuit breakers and switchgear (66/33/11kV) 11kV Disconnectors & Dropout fuses 11kV voltage regulators Subtotal LV Overhead lines (wood pole) LV Underground cables (XLPE) Link Pillars & LV customer service connections Ripple Injection Plant SCADA and communications equipment	- 1,784,961 - 1,784,961 	1,909,733 	- - - 2,657,243 - - - - 1,063,709 - 1,063,709	- - - - 1,391,018 - - - - - - - 1,036,368 - - 1,036,368	- - - - 1,772,276 - - - - - - - - - - - - - - - - - - -	- - - - 1,765,000 - - 300,000 - 300,000 - 560,000 - - -	2,030,057 - 2,030,057 - 316,430 - 316,430 - 626,354 - 626,354	2,203,268 - 2,203,268 - 317,316 - 317,316 - 679,796 - 679,796	2,430,683 - 2,430,683 - 322,988 - 322,988 749,963 - 749,963	2,583,286 - 2,583,286 - 325,515 - 325,515 797,047 - 797,047	2,653,830 - 2,653,830 - 323,690 - 323,690 818,813 - 818,813	2,719,238 - 2,719,238 - - 336,004 - 336,004 838,994 - 838,994	12,590,306 - - 1,625,514 3,884,612 - 3,884,612
transformers S	11 kV Underground cables (XLPE) Distribution Substations Distribution transformers (pole, 1ph/2ph/3ph) Distribution transformers (pad) Distribution substations mount (pole) Distribution substations mount (pad) Distribution substations mount (building & in customer building) Subtotal Surge Diverters (3ph, 66/33kV) / Air break isolators (66/33kV) Indoor circuit breakers and switchgear (66/33/11kV) Outdoor circuit breakers and switchgear (66/33/11kV) 11kV Disconnectors & Dropout fuses 11kV voltage regulators Subtotal LV Overhead lines (wood pole) LV Underground cables (XLPE) Link Pillars & LV customer service connections Ripple Injection Plant SCADA and communications equipment Metering systems	- 1,784,961 - 1,784,961 	1,025,894 - 1,025,894	- - - - 2,657,243 - - - - - 1,063,709 - 1,063,709	- - - - 1,391,018 - - - - - - - - - - - - - - - - - - -	- - - - 1,772,276 - - - - - - - - - - - - - - - - - - -	- - - - 1,765,000 - - 300,000 - 560,000 - - - - -		2,203,268 - 2,203,268 - 317,316 - 317,316 - 679,796 - - -	2,430,683 		- - - 2,653,830 - - - 323,690 - 323,690 818,813 - - 818,813	- - - - 2,719,238 - - - 336,004 - 336,004 - 838,994 - - - -	12,590,300
transformers Switchgear (All voltages) Low voltage distribution network	11 kV Underground cables (XLPE) Distribution Substations Distribution transformers (pole, 1ph/2ph/3ph) Distribution transformers (pole, 1ph/2ph/3ph) Distribution substations mount (pole) Distribution substations mount (pad) Distribution substations mount (building & in customer building) Subtotal Surge Diverters (3ph, 66/33kV) / Air break isolators (66/33kV) Indoor circuit breakers and switchgear (66/33/11kV) Outdoor circuit breakers and switchgear (66/33/11kV) 11kV Disconnectors & Dropout fuses 11kV voltage regulators Subtotal LV Overhead lines (wood pole) LV Underground cables (XLPE) Link Pillars & LV customer service connections Ripple Injection Plant SCADA and communications equipment	- 1,784,961 - 1,784,961 	1,909,733 	- - - 2,657,243 - - - - 1,063,709 - 1,063,709	- - - - 1,391,018 - - - - - - - 1,036,368 - - 1,036,368	- - - - 1,772,276 - - - - - - - - - - - - - - - - - - -	- - - - 1,765,000 - - 300,000 - 300,000 - 560,000 - - -	2,030,057 - 2,030,057 - 316,430 - 316,430 - 626,354 - 626,354	2,203,268 - 2,203,268 - 317,316 - 317,316 - 679,796 - 679,796	2,430,683 - 2,430,683 - 322,988 - 322,988 749,963 - 749,963	2,583,286 - 2,583,286 - 325,515 - 325,515 797,047 - 797,047	2,653,830 - 2,653,830 - 323,690 - 323,690 818,813 - 818,813	2,719,238 - 2,719,238 - - 336,004 - 336,004 838,994 - 838,994	12,590,300 - 1,625,51 - 1,625,51 3,884,61;
transformers S	11 kV Underground cables (XLPE) Distribution Substations Distribution transformers (pole, 1ph/2ph/3ph) Distribution transformers (pad) Distribution substations mount (pole) Distribution substations mount (pad) Distribution substations mount (building & in customer building) Subtotal Surge Diverters (3ph, 66/33kV) / Air break isolators (66/33kV) Indoor circuit breakers and switchgear (66/33/11kV) Outdoor circuit breakers and switchgear (66/33/11kV) 11kV Disconnectors & Dropout fuses 11kV voltage regulators Subtotal LV Overhead lines (wood pole) LV Underground cables (XLPE) Link Pillars & LV customer service connections Ripple Injection Plant SCADA and communications equipment Metering systems Power factor correction plant EDB-owned mobile substations and generators Easements	707,879	1,909,733 	- - - 2,657,243 - - - - - 1,063,709 - 1,063,709	1,036,368 1,036,368	- - - - 1,772,276 - - - - - - - - - - - - - - - - - - -	- - - - 1,765,000 - - 300,000 - 300,000 - 560,000 - - - - - - -	2,030,057 - 2,030,057 - 316,430 - 316,430 626,354 - - - - - - - - - - - - -	2,203,268 - 2,203,268 - 317,316 - 317,316 679,796	2,430,683 	2,583,286 - 2,583,286 - 325,515 325,515 797,047 - 797,047	2,653,830 - - - 323,690 - 323,690 818,813 - - - -	- - - - 2,719,238 - - - 336,004 - 336,004 838,994 - - - - - - - - - - - - - - - - - -	12,590,300
transformers Switchgear (All voltages) Low voltage distribution network	11 kV Underground cables (XLPE) Distribution Substations Distribution transformers (pole, 1ph/2ph/3ph) Distribution transformers (pad) Distribution substations mount (pole) Distribution substations mount (pad) Distribution substations mount (building & in customer building) Subtotal Surge Diverters (3ph, 66/33kV) / Air break isolators (66/33kV) Indoor circuit breakers and switchgear (66/33/11kV) Outdoor circuit breakers and switchgear (66/33/11kV) 11kV Disconnectors & Dropout fuses 11kV voltage regulators Subtotal LV Overhead lines (wood pole) LV Underground cables (XLPE) Link Pillars & LV customer service connections Ripple Injection Plant SCADA and communications equipment Metering systems Power factor correction plant EDB-owned mobile substations and generators Easements Load management systems	707,879	1,025,894 1,025,894	1,063,709	1,391,018	- - - - - - - - - - - - - - - - - - -		2,030,057 	2,203,268 - 2,203,268 - 317,316 - 317,316 - 679,796	2,430,683 	2,583,286 - 2,583,286 - 325,515 797,047 - 797,047	2,653,830 	- - - - 2,719,238 - - - 336,004 - 336,004 - 838,994 - - - - - - - - - - - - - - - - - -	1,625,51 1,625,51 3,884,61:
transformers Switchgear (All voltages) Low voltage distribution network	11 kV Underground cables (XLPE) Distribution Substations Distribution transformers (pole, 1ph/2ph/3ph) Distribution transformers (pole, 1ph/2ph/3ph) Distribution substations mount (pole) Distribution substations mount (pole) Distribution substations mount (building & in customer building) Subtotal Surge Diverters (3ph, 66/33kV) / Air break isolators (66/33kV) Indoor circuit breakers and switchgear (66/33/11kV) Outdoor circuit breakers and switchgear (66/33/11kV) 11kV Disconnectors & Dropout fuses 11kV voltage regulators Subtotal LV Overhead lines (wood pole) LV Underground cables (XLPE) Link Pillars & LV customer service connections Subtotal Ripple Injection Plant SCADA and communications equipment Metering systems Power factor correction plant EDB-owned mobile substations and generators Easements Load management systems Asset management systems	707,879	1,909,733	2,657,243 	- - - 1,391,018 - - - - - - - 1,036,368 - - - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -	- - - 1,765,000 - - - 300,000 - - - 300,000 - - - - - - - - - - - - - - - - -	2,030,057 - 2,030,057 - 316,430 - 316,430 626,354 - - - - - - - - - - - - -	2,203,268	2,430,683 	2,583,286	2,653,830 - 2,653,830 - 323,690 323,690 818,813 - 818,813	- - - 2,719,238 - - - 336,004 - 336,004 - - 838,994 - - - - - - - - - - - - - - - - - -	12,590,306
transformers Switchgear (All voltages) Low voltage distribution network	11 kV Underground cables (XLPE) Distribution Substations Distribution transformers (pole, 1ph/2ph/3ph) Distribution transformers (pad) Distribution substations mount (pole) Distribution substations mount (pad) Distribution substations mount (building & in customer building) Subtotal Surge Diverters (3ph, 66/33kV) / Air break isolators (66/33kV) Indoor circuit breakers and switchgear (66/33/11kV) Outdoor circuit breakers and switchgear (66/33/11kV) 11kV Disconnectors & Dropout fuses 11kV voltage regulators Subtotal LV Overhead lines (wood pole) LV Underground cables (XLPE) Link Pillars & LV customer service connections Ripple Injection Plant SCADA and communications equipment Metering systems Power factor correction plant EDB-owned mobile substations and generators Easements Load management systems	707,879	1,025,894 1,025,894	1,063,709	1,391,018	- - - - - - - - - - - - - - - - - - -		2,030,057 	2,203,268 - 2,203,268 - 317,316 - 317,316 - 679,796	2,430,683 	2,583,286 - 2,583,286 - 325,515 797,047 - 797,047	2,653,830 	- - - - 2,719,238 - - - 336,004 - 336,004 - 838,994 - - - - - - - - - - - - - - - - - -	1,625,514 3,884,612
transformers Switchgear (All voltages) Low voltage distribution network	11 kV Underground cables (XLPE) Distribution Substations Distribution transformers (pole, 1ph/2ph/3ph) Distribution transformers (pole, 1ph/2ph/3ph) Distribution substations mount (pole) Distribution substations mount (pole) Distribution substations mount (building & in customer building) Subtotal Surge Diverters (3ph, 66/33kV) / Air break isolators (66/33kV) Indoor circuit breakers and switchgear (66/33/11kV) Outdoor circuit breakers and switchgear (66/33/11kV) 11kV Disconnectors & Dropout fuses 11kV voltage regulators Subtotal LV Overhead lines (wood pole) LV Underground cables (XLPE) Link Pillars & LV customer service connections Subtotal Ripple Injection Plant SCADA and communications equipment Metering systems Power factor correction plant EDB-owned mobile substations and generators Easements Load management systems Asset management systems		1,025,894	2,657,243 	- - - 1,391,018 - - - - - - - 1,036,368 - - - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -		2,030,057 - 2,030,057 - 316,430 - 316,430 626,354 - - - - - - - - - - - - -	2,203,268	2,430,683 	2,583,286	2,653,830 - 2,653,830 - 323,690 323,690 818,813 - 818,813		12,590,30

	[No	minal terms (\$)					
										Next P	eriod			
_			Curre	ent Period (Act	tual)		Assessme (Fored			СРР	Period (Forec	ast)		Total (Next
Project costs by source		FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	Period)
EDB		-	-	3,226	1,699	968	-	-	-	-	-	-	-	-
Related party		-	-	1,422,887	1,194,633	878,480	-	-	-	-	-	-		-
Other sources		2,492,840	2,935,627	2,294,839	1,231,054	1,543,437	-	-	-	-	-	-		-
To be tendered		-	-	-		-	2,625,000	2,972,841	3,200,381	3,503,633	3,705,848	3,796,333	3,894,236	18,100,431
	Total Project/Programme	2,492,840	2,935,627	3,720,952	2,427,386	2,422,885	2,625,000	2,972,841	3,200,381	3,503,633	3,705,848	3,796,333	3,894,236	18,100,431

Project/Programme Name:	Underground cables 11kV and 400V
Project/Programme Description:	Replacement of 11kV and 400V underground cables
, ,	·
Policy Reference:	CPP32
Service Category:	(a) Provide and operate network infrastructure
Capex Category:	Replacement

							No	minal terms (\$)					
								,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	*)	Next Po	eriod			
			Curre	ent Period (Ac	tual)		Assessme (Fore				Period (Foreca	ast)		Total (CPP
Asset Category	Asset Type	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	Period)
		-	-	-	-	-	-	-	-	-	-	-	-	
ssets owned by the EDB but installed at bulk		-	-	-	-	-	-	-	-	-	-	-	-	-
supply points owned by others		-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtotal		-	-	-	-	-	-	-	-	-	-	-	•
	Subtransmission													
	Subtransmission													
	66 kV Overhead lines (wood pole)	-	-	-	-	-	-	-	-	-	-	-	-	
	66 kV Overhead lines (towers)	-	-	-	-	-	-	-	-	-	-	-	-	-
	66 kV Underground cables (XLPE)	-	-	-	-	-	-	-	-	-	-	-	-	-
	33 kV Overhead lines (wood pole)	-	-	-	-		-	-	-	-	-	-	-	_
	33 kV Underground cables (XLPE)	-	_	-	_	-	-	-	-	-	-	-	-	_
										•	•	'		
	Pilot / Communications Circuits	-	-	-	-	-	-	-	-	-	-	-	-	
ub-transmission network including power transformers	Substations													
transformers	Outstation 18													
	Zone sub land	-	-	-	-	-	-	-	-	-	-	-	-	-
	Zone sub site development and buildings	-	-	-	-	•	-	-	-	-	-	-	-	-
	Power Transformers Protection (electromochanical)	-	-	-	-	-	-	-	-	-	-	-	-	-
	Protection (electromechanical) Protection (digital)	-	-	-	-	-	-	-	-	-	-	-	-	-
	Outdoor Structure (concrete pole)	-	-	-	-	-	-	-	-	-	-	-	-	-
	DC Supplies, batteries and inverters	-	-	-	-	·	-	-	-	-	-	-	-	•
	Other items	-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtotal	-	-	-	-	-	-	-	-	-	-	-	-	-
	Distribution Conductors													
										_				
	11 kV Overhead lines (wood pole)	-	-	-		-	-	-	-	-	-		-	
	11 kV Underground cables (XLPE)	-	-	38,081	91,552	-	1,200,000	1,342,187	1,456,706	1,607,063	1,707,958	1,754,598	1,797,843	8,324,16
	Distribution Substations													
Distribution network including distribution transformers	Distribution Guisstations													
แสกรเอกกษาร	Distribution transformers (pole, 1ph/2ph/3ph)	-	-	-	-	·	-	•	-	-	-	-	-	-
	Distribution transformers (pad)	-	-	-	-	-	-	-	-	-	-	-	-	-
	Distribution substations mount (pole) Distribution substations mount (pad)	-	-	-	-	-	-	-	-	-	-	-	-	-
	Distribution substations mount (building & in customer building)	-	-	-	-	-	-	-	-	-	-	-	-	
	Subtotal	-	-	38,081	91,552	-	1,200,000	1,342,187	1,456,706	1,607,063	1,707,958	1,754,598	1,797,843	8,324,16
	Surge Diverters (3ph, 66/33kV) / Air break isolators (66/33kV) Indoor circuit breakers and switchgear (66/33/11kV)	-	-	-	-	-	-	-	-	-	-	-	-	-
	Outdoor circuit breakers and switchgear (66/33/11kV)	-	-	-	-	-	-	-	-	-	-		-	-
Switchgear (All voltages)	11kV Disconnectors & Dropout fuses	-	-	-	-		-	-	-	-	-	-	-	
	11kV voltage regulators	-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtotal	-	-	-	-	-	-	-	-	-	-	-	-	-
	LV Overhead lines (wood pole)	-	-	-		-		-		-	-			
	LV Underground cables (XLPE)	-	-	-	64,657	123,465	800,000	894,791	971,138	1,071,375	1,138,639	1,169,732	1,198,562	5,549,440
Low voltage distribution network	Link Pillars & LV customer service connections	-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtotal	-	-	-	64,657	123,465	800,000	894,791	971,138	1,071,375	1,138,639	1,169,732	1,198,562	5,549,44
	Ripple Injection Plant	-	-	-				-				-		-
	SCADA and communications equipment	-	-	-	-	-	-	-	-	-	-	-	-	-
	Metering systems	-	-	-	-	-	-	-	-	-	-	-	-	1
	Power factor correction plant	-	-	-	-	-	-	-	-	-	-	-	-	•
Supporting or secondary systems	EDB-owned mobile substations and generators	-	-		-	-	-		-	-	-	-	-	-
	Easements Load management systems	-	-	-	-	-	-	-	-	-	-	-	-	-
	Asset management systems	-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtotal	-	-	-	-		-	-	-	-	-	-	-	-
										ı	ı			
	Total Project/Programme	-	-	38,081	156,209	123,465	2,000,000	2,236,978	2,427,844	2,678,438	2,846,597	2,924,331	2,996,405	13,873,61
							N-	minal terms (ŧ۱					
							NC.	minai ternis (Ψ)	Next Po	eriod			

						No	minal terms (\$	5)					
									Next P	eriod			
		Curr	ent Period (Ac	tual)		Assessme (Fore			CPP	Period (Forec	ast)		Total (Next
Project costs by source	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	Period)
EDB	-	-	-	3,677	-	-	-	-	-	-	-	-	-
Related party		-	36,286	152,532	-	-	-	-	-	-	-	-	-
Other sources	-	-	1,795	-	123,465	-	-	-	-		-	-	-
To be tendered	-	-	-	-	-	2,000,000	2,236,978	2,427,844	2,678,438	2,846,597	2,924,331	2,996,405	13,873,615
Total Project/Programme	-	-	38,081	156,209	123,465	2,000,000	2,236,978	2,427,844	2,678,438	2,846,597	2,924,331	2,996,405	13,873,615

Project/Programme Name:	Pilots and protection
Project/Programme Description:	Replacement of communication cables and hardware
Policy Reference:	CPP33
Service Category:	(a) Provide and operate network infrastructure
Capex Category:	Replacement

		•												
							No	minal terms (\$)	Next F	Period			
			Curre	ent Period (Ac	tual)		Assessme (Fore				Period (Forec	ast)		Total (CPP
Asset Category	Asset Type	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	Period)
		-	-	-	-	-	-	-	-	-	-	-	-	-
Assets owned by the EDB but installed at bulk		-	-	-	-	-	-	-	-	-	-	-	-	-
supply points owned by others		-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtotal	-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtransmission													
	Subtransmission													
	66 kV Overhead lines (wood pole)	-	-	-	-	-	-	-	-	-	-	-	-	-
	66 kV Overhead lines (towers)	-	-	-	-	-	-	-	-	-	-	-	-	-
	66 kV Underground cables (XLPE)	-	-	-	-	-	-	-	-	-	-	-	-	-
	33 kV Overhead lines (wood pole)	-	-	-	-	-	-	-	-	-	-	-	-	-
	33 kV Underground cables (XLPE)	-	-	-	-	-	-	-	-	-	-	-	-	-
	Pilot / Communications Circuits	125,353	222	90,959	-	42,653	210,000	234,883	254,924	281,236	298,893	307,055	314,623	1,456,730
Sub-transmission network including power	1 HOLY COMMINICATIONS CITCUIS	120,003	222	30,339	•	42,003	210,000	234,003	234,924	201,230	230,033	307,003	314,023	1,430,730
transformers	Substations													
	Zone sub-land													
	Zone sub land Zone sub site development and buildings	-	-	-	-	-	-	-	-	-	-	-	-	-
	Power Transformers	-	-	-	-	-	-	-	-	-	-	-	-	-
	Protection (electromechanical)	-	-	-	-	-	-	-	-	-	-	-	-	-
	Protection (digital) Outdoor Structure (concrete pole)	543,936	1,121,332	942,754	1,586,013	2,144,800	2,430,000	2,245,343	2,239,445	2,854,647	3,007,866	2,949,701	3,248,502	14,300,161
	DC Supplies, batteries and inverters	-	-	-	-	-	-	-	-	-	-	-	-	-
	Other items	-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtotal	669,289	1,121,554	1,033,713	1,586,013	2,187,453	2,640,000	2,480,226	2,494,368	3,135,883	3,306,758	3,256,756	3,563,125	15,756,890
	Distribution Conductors													
	Distribution Conductors													
	11 kV Overhead lines (wood pole)	-	-	-	-	-	-	-	-	-	-	-	-	-
	11 kV Underground cables (XLPE)	-	-	-	-	-	-	-	-	-	-	-	-	-
Distribution and including distribution	Distribution Substations													
Distribution network including distribution transformers														
a di loi o i i i o i	Distribution transformers (pole, 1ph/2ph/3ph)	-	-	-	-	-	-	-	-	-	-	-	-	-
	Distribution transformers (pad) Distribution substations mount (pole)	-	-	-	-	-	-	-	-	-	-	-	-	-
	Distribution substations mount (pad)	-	-	-	-	-	-	-	-	•	-	-	-	-
	Distribution substation mount (building & in customer building)	-	-	-	-	-	-	-	-		-	-	-	-
	Subtotal	-	-	-	-	-	-	-	-	-	-	-	-	-
	Surge Diverters (3ph, 66/33kV) / Air break isolators (66/33kV)	-	-	-	-	-	-	-	-	-	-	-	-	-
	Indoor circuit breakers and switchgear (66/33/11kV)	-	-	-	-	-	-	-	-	•	-	-	-	-
Switchgear (All voltages)	Outdoor circuit breakers and switchgear (66/33/11kV) 11kV Disconnectors & Dropout fuses	-	-	-	-	-	-	-	-	-	-	-	-	-
	11kV voltage regulators	-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtotal	-	-	-	-	-	-	-	-	-	-	-	-	-
						ı								
	LV Overhead lines (wood pole) LV Underground cables (XLPE)	-	-	-	-	-	-	-	-	-	-	-	-	-
Low voltage distribution network	Link Pillars & LV customer service connections	-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtotal	-	-	-	-	-	-	-	-	-	-	-	-	-
	Ripple Injection Plant	-	-		-	-	-	-		-	-		-	
	SCADA and communications equipment	-	-	-	-	-	-	-	-	-	-	-	-	-
	Metering systems	-	-	-	-	-	-	-	-	-	-	-	-	-
Supporting or assemble a subsection	Power factor correction plant	-	-	-	-	-	-	-	-	-	-	-	-	-
Supporting or secondary systems	EDB-owned mobile substations and generators Easements	-	-	-	-	-	-	-	-	-	-	-	-	-
	Load management systems	-	-	-	-	-	-	-	-	-	-	-	-	-
	Asset management systems	-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtotal	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total Project/Programme	669,289	1,121,554	1,033,713	1,586,013	2,187,453	2,640,000	2,480,226	2,494,368	3,135,883	3,306,758	3,256,756	3,563.125	15,756,890
			,,	,	,.,.,.	, , , , , , , , ,				.,,	.,.,.,.	.,,	.,.,.,.	
							No	minal terms (\$)	Next F	Pariod			
		ı					1			Next F	erioa			

							No	minal terms (\$	5)					
										Next P	eriod			
			Curre	ent Period (Ac	tual)		Assessme (Fore			СРР	Period (Forec	ast)		Total (Next
Project costs by source		FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	Period)
EDB		-	-	-	-	609	-	-	-	-	-	-	-	-
Related party		-	-	174,941	759,731	336,428	-	-	-	-		-	-	-
Other sources		669,289	1,121,554	858,772	826,282	1,850,416	-	-	-	-		-	-	-
To be tendered		-	-	-	-	-	2,640,000	2,480,226	2,494,368	3,135,883	3,306,758	3,256,756	3,563,125	15,756,890
	Total Project/Programme	669,289	1,121,554	1,033,713	1,586,013	2,187,453	2,640,000	2,480,226	2,494,368	3,135,883	3,306,758	3,256,756	3,563,125	15,756,890

Project/Programme Name:	Control systems
Project/Programme Description:	Replacement of communication equipment
Policy Reference:	CPP34
Service Category:	(a) Provide and operate network infrastructure
Capex Category:	Replacement

							No	ominal terms (S	5)					
			Curre	ent Period (Ac	tual)		Assessme	ent Period		Next P	Period Period (Foreca	act)		
Accet Cotomoni	Acces Time	EVOO	E\/00	E)/40	E)///	E)/40	(Fore		EV4.5				EV40	Total (CPI
Asset Category	Asset Type	FY08	FY09	FY10 -	FY11 -	FY12	FY13	FY14 -	FY15 -	FY16 -	FY17	FY18 -	FY19	Period)
Assets owned by the EDB but installed at bulk			-	-	-	-	-	-	-	-	-	-	-	-
supply points owned by others			-	-	-	-	-	-	-	-	-	-	-	-
	Subtotal	-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtransmission													
	66 kV Overhead lines (wood pole)	-	-	-	-	-	-	-	-	-	-	-	-	-
	66 kV Overhead lines (towers)	-	-		-	-	-	-		-	-	-	-	-
	66 kV Underground cables (XLPE)	-	-	-	-	-	-	-	-	-	-	-	-	-
	33 kV Overhead lines (wood pole)	-	-	-	-	-	-	-	-	-	-	-	-	-
	33 kV Underground cables (XLPE)	-	-	-	-	-	-	-	-	-	-	-	-	-
	Pilot / Communications Circuits		-		-		-				-	-	-	
Sub-transmission network including power	1 Hot/ Communications Officials													1
transformers	Substations													4
	Zone sub land	-	-	-	-	-	-	-	-	-	-	-	-	-
	Zone sub site development and buildings	-	-	-	-	-	-	-	-	-	-	-	-	-
	Power Transformers	-	-	-	-	-	-	-		-	-	-	-	-
	Protection (electromechanical) Protection (digital)	-	-	-	-	-	-	-	-	-	-	-	-	- :
	Outdoor Structure (concrete pole)	-	-	-	-	-	-	-	-	-	-	-	-	-
	DC Supplies, batteries and inverters	-	-	-	-	-	-	-	-	-	-	-	-	-
	Other items Subtotal	-	-	-	-	-	-	-	-	-	-	-	-	-
										l				
	Distribution Conductors													4
	11 kV Overhead lines (wood pole)		-	-	-	-	-	-	-	-	-	-	-	-
	11 kV Underground cables (XLPE)	-	-	-	-	-	-	-	-	-	-	-	-	-
	Distribution Substations													
Distribution network including distribution transformers	Distribution Gubstations													1
uansionners	Distribution transformers (pole, 1ph/2ph/3ph)	-	-	-	-	-	-	-	-	-	-	-	-	-
	Distribution transformers (pad) Distribution substations mount (pole)	-	-	-	-	-	-	-	-	-	-	-	-	-
	Distribution substations mount (pad)		-	-	-		-	-	-	-	-	-	-	-
	Distribution substation mount (building & in customer building)	-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtotal	-	-	-	-	-	-	-	-	-	-	-	-	-
	Surge Diverters (3ph, 66/33kV) / Air break isolators (66/33kV)		-	-	-		-	-	-	-	-	-	-	-
	Indoor circuit breakers and switchgear (66/33/11kV)	-	-	-	-	-	-	-	-	-	-	-	-	-
	Outdoor circuit breakers and switchgear (66/33/11kV) 11kV Disconnectors & Dropout fuses	-	-	-	-	-	-	-	-	-	-	-	-	-
	11kV voltage regulators	-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtotal	-	-	-	-	-	-	-	-	-	-	-	-	-
	LV Overhead lines (wood pole)		-		-		-	-	-		-	-		-
Low voltage distribution network	LV Underground cables (XLPE)	-	-	-	-	-	-	-	-	-	-	-	-	-
	Link Pillars & LV customer service connections Subtotal	-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtotal		- 1					- 1	-					
	Ripple Injection Plant	-	-	-	-	-	-	-			-			
	SCADA and communications equipment Metering systems	-	-	-	-	-	1,765,000	1,671,806	1,602,447	1,652,622	1,535,346	1,483,580	1,853,623	8,127,6
	Power factor correction plant	-	-	-	-	-	-	-	-	-	-	-	-	
Supporting or secondary systems	EDB-owned mobile substations and generators	-	-	-	-	-	-	-	-	-	-	-	-	-
	Easements Load management systems	-	-	-	-	-	-	-	-	-	-	-	-	-
	Asset management systems	-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtotal	-	-	-	-	-	1,765,000	1,671,806	1,602,447	1,652,622	1,535,346	1,483,580	1,853,623	8,127,6
						1								8,127,6
	Total Project/Programme	-	-	-	-	-	1,765,000	1,671,806	1,602,447	1,652,622	1,535,346	1,483,580	1,853,623	

		Nominal terms (\$)													
						Next Period									
		Curr	ent Period (Ac	tual)		Assessme (Fore			СРР	Period (Forec	ast)		Total (Next		
Project costs by source	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	Period)		
EDB	-	-	-	-	-	-	-	-	-	-	-	-	-		
Related party		-	-	-		-	-	-	-	-	-	-	-		
Other sources		-	-	-		-	-	-	-	-	-	-	-		
To be tendered	-	-	-	-	-	1,765,000	1,671,806	1,602,447	1,652,622	1,535,346	1,483,580	1,853,623	8,127,618		
Total Project/Programme	-	-	-	-	-	1,765,000	1,671,806	1,602,447	1,652,622	1,535,346	1,483,580	1,853,623	8,127,618		

Project/Programme Name:	Load management systems
Project/Programme Description:	Replacement of load management equipment including ripple plant
.,	3 11 11 11 11 11 11 11 11 11 11 11 11 11
Policy Reference:	CPP35
Service Category:	(b) Provide load management services
Capex Category:	Replacement

							No	minal terms (\$	5)					
			Curre	nt Period (Ac	tual)	F	Assessme			Next P	eriod Period (Foreca	net)		
Accest Cotogony	Asset Type	FY08	FY09	FY10	FY11	FY12	(Forec	FY14	FY15	FY16	FY17	FY18	FY19	Total (CPF Period)
Asset Category	Asset Type	-	- 109	-	-	-	-			-		-	-	- renou)
Assets owned by the EDB but installed at bulk		-	-	-	-	-	-	-	-	-	-	-	-	-
supply points owned by others		-	-	-	-	-	-	-	•	-	-	-	-	-
	Subtotal	-	-	-	-	-	-	-	-	-	-	-	-	-
			•					•		•	•			
	Subtransmission													
	66 kV Overhead lines (wood pole)	-	-	-	-	-	-	-	-	-	-	-	-	-
	66 kV Overhead lines (towers)	-	-	-	-	-	-	-	-	-	-	-	-	-
	66 kV Underground cables (XLPE)	-	-	-	-	-	-	-	-	-	-	-	-	-
	33 kV Overhead lines (wood pole)	-	-	-	-	-	-	-	-	-	-	-	-	-
	33 kV Underground cables (XLPE)	-	-	-	-	-	-	-	-	-	-	-	-	-
	Pilot / Communications Circuits	-	-	-	-	-	-	- 1	-	-	-	-	-	-
Sub-transmission network including power														
transformers	Substations													
	Zone sub land	-	-	-	-	-	-	-	-	-	-	-	-	-
	Zone sub site development and buildings	-	-	-	-	-	-	-	-	-	-	-	-	-
	Power Transformers Protection (electromechanical)	-	-	-	-	-	-	-	•	-	-	-	-	-
	Protection (digital)	-	-	-	-	-	-	-	-	-	-	-	-	-
	Outdoor Structure (concrete pole)	-	-	-	-	-	-	-		-	-	-	-	-
	DC Supplies, batteries and inverters Other items	-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtotal	-	-		-	-	-	-		-	-	-	-	-
			•					•		•	•			
	Distribution Conductors													
	11 kV Overhead lines (wood pole)	-	-	-	-	-	-	-	-	-	-	-	-	-
	11 kV Underground cables (XLPE)	-	-	-	-	-	-	-	-	-	-	-	-	-
	Distribution Substations													
Distribution network including distribution transformers														
ti di istorni ci s	Distribution transformers (pole, 1ph/2ph/3ph) Distribution transformers (pad)	-	-	-	-	-	-	-	•	-	-	-	-	-
	Distribution transformers (pad) Distribution substations mount (pole)	-	-	-	-	-	-	-	-	-	-	-	-	-
	Distribution substations mount (pad)	-	-	-	-	-	-	-		-	-	-	-	-
	Distribution substation mount (building & in customer building) Subtotal	-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtotal			-	- 1	- 1	-	- 1	-					_
	Surge Diverters (3ph, 66/33kV) / Air break isolators (66/33kV)	-	-	-	-	-	-	-	-	-	-	-	-	-
	Indoor circuit breakers and switchgear (66/33/11kV) Outdoor circuit breakers and switchgear (66/33/11kV)	-	-	-	-	-	-	-	-	-	-	-	-	-
	11kV Disconnectors & Dropout fuses	-	-	-	-	-	-	-	-	-	-	-	-	-
	11kV voltage regulators	-	-		-	-	-	-		-	-	-	-	-
	Subtotal	-	-	-	-	-	-	-	-	-	-	-	-	-
	LV Overhead lines (wood pole)	-	-	-	-	-	-	-	-	-	-	-	-	-
Low voltage distribution network	LV Underground cables (XLPE)	-	-		-	-	-	-		-	-	-	-	-
	Link Pillars & LV customer service connections Subtotal	-	-	-	-	-	-	-	-	-	-	-	-	-
	Gustotar		L			I	L				L			
	Ripple Injection Plant	10,756	23,329	-	7,060	181,367	790,000	516,836	137,504	1,593,407	1,019,947	1,014,229	515,206	4,280,29
	SCADA and communications equipment Metering systems	-	-	-	-	-	-	-	-	-	-	-	-	-
	Power factor correction plant	-	-	-	-	-	-	-	-	-	-	-	-	-
Supporting or secondary systems	EDB-owned mobile substations and generators	-	-	-	-	-	-	-	-	-	-	-	-	-
	Easements Load management systems	-	-	-	-	-	-	-	-	-	-	-	-	-
	Asset management systems	-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtotal	10,756	23,329	-	7,060	181,367	790,000	516,836	137,504	1,593,407	1,019,947	1,014,229	515,206	4,280,29
	Total Project/Programme	10,756	23,329	-	7,060	181,367	790,000	516,836	137,504	1,593,407	1,019,947	1,014,229	515,206	4,280,29

			Nominal terms (\$)											
										Next P	eriod			
			Curre	ent Period (Ac	tual)		Assessment Period (Forecast)		CPP Period (Forecast)					Total (Next
Project costs by source		FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	Period)
EDB		-	-	-	-	-	-	-	-	-	-	-	-	-
Related party			-	-	-	16,642	-		-	-		-	-	-
Other sources		10,756	23,329	-	7,060	164,725	-		-	-		-	-	-
To be tendered			-	-	-	-	790,000	516,836	137,504	1,593,407	1,019,947	1,014,229	515,206	4,280,294
To	tal Project/Programme	10,756	23,329	-	7,060	181,367	790,000	516,836	137,504	1,593,407	1,019,947	1,014,229	515,206	4,280,294

Project/Programme Name:
Project/Programme Description:
Switchgear replacement programme

Policy Reference:
Service Category:
Capex Category:
C

							No	ominal terms (5)					
			Curre	nt Period (Ac	tual)		Assessme			Next P	eriod Period (Foreca	ıst)		
Asset Category	Asset Type	FY08	FY09	FY10	FY11	FY12	(Fore	FY14	FY15	FY16	FY17	FY18	FY19	Total (CPP Period)
- Tables Galley		-	-	-	-	-	-	-	-	-	-	-	-	-
Assets owned by the EDB but installed at bulk		-	-	-	-	-	-	-	-	-	-	-	-	-
supply points owned by others		-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtotal	-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtransmission													
	2011/0 1 15 (1 1)													
	66 kV Overhead lines (wood pole) 66 kV Overhead lines (towers)	-	-	-	-	-	-	-	-	-	-	-	-	-
	66 kV Underground cables (XLPE)	-	-	-	-	-	-	-	-	-	-	-	-	-
	33 kV Overhead lines (wood pole)	-	-		-		-	-	-	-	-	-		_
	33 kV Underground cables (XLPE)		-	-	-	-	-	-		-	-	-	-	-
	Dilat / Occasionalizations Oissaids	_						-	-			-		
Sub-transmission network including power	Pilot / Communications Circuits	-	-	-	-	-	-	-	-	-	-	-	-	-
transformers	Substations													
	Zone sub land	-	-	-	-		-		-	-	- 1	-	-	_
	Zone sub site development and buildings		-	-	-	-	-	-	-	-	-	-	-	-
	Power Transformers	-	-	-	-	-	-	-	-	-	-	-	-	-
	Protection (electromechanical) Protection (digital)	-	-	-	-	-	-	-	-	-	-	-	-	-
	Outdoor Structure (concrete pole)	-	-	-	-	-	-	-	-	-	-	-	-	-
	DC Supplies, batteries and inverters Other items	-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtotal	-	-	-	-	-	-	-	-	-	-	-	-	-
	Distribution Conductors													
	11 kV Overhead lines (wood pole)	-	-	-	-	-	-	-	-	-	-	-	-	-
	11 kV Underground cables (XLPE)	-	-	-	-	-	-	-	-	-	-	-	-	-
Distribution network including distribution	Distribution Substations													
transformers	Distribution transformers (pole, 1ph/2ph/3ph)													
	Distribution transformers (pole, 1ph/2ph/3ph) Distribution transformers (pad)	-	-	-	-	-	-	-	-	-	-	-	<u> </u>	-
	Distribution substations mount (pole)		-	-	-	-	-	-	-	-	-	-	-	-
	Distribution substations mount (pad) Distribution substation mount (building & in customer building)	-	-	-	-	-	-	-	-	-	-	-	<u> </u>	-
	Subtotal	-	-	-	-	-	-	-	-	-	-	-	-	-
	Outros Divertors (Only CO(OOLA) / Air brook in later (OO(OOLA))													
	Surge Diverters (3ph, 66/33kV) / Air break isolators (66/33kV) Indoor circuit breakers and switchgear (66/33/11kV)	2,450,049	2,081,985	1,831,404	2,266,841	1,946,798	4,785,000	4,824,504	6,209,880	5,575,848	5,509,884	5,680,764	6,325,839	29,302,216
Switchgear (All voltages)	Outdoor circuit breakers and switchgear (66/33/11kV)	-	-	2,042,898	336,850		829,000	1,024,179	1,530,522	1,966,996	4,173,103	1,637,873	2,471,871	11,780,365
g (·g)	11kV Disconnectors & Dropout fuses 11kV voltage regulators	-	-	384,004	167,940	270,871	900,000	406,085	407,223	414,501	417,744	415,403	431,205	2,086,076
	Subtotal		2,081,985	4,258,306	2,771,631	2,217,669	6,514,000	6,254,768	8,147,624	7,957,346	10,100,731	7,734,039	9,228,916	43,168,657
	LV Overhead lines (wood pole)	-	- 1	-	-	-	-	-	-	-	- 1	-		-
Laurente de distribution materiale	LV Underground cables (XLPE)	-	-		-	-	-	-	-	-	-	-	-	-
Low voltage distribution network	Link Pillars & LV customer service connections	505,557	1,254,613	1,825,367	2,271,516	937,164	2,725,000	3,417,445	1,734,662	1,765,667	1,779,482	1,769,507	1,836,823	8,886,142
	Subtotal	505,557	1,254,613	1,825,367	2,271,516	937,164	2,725,000	3,417,445	1,734,662	1,765,667	1,779,482	1,769,507	1,836,823	8,886,142
	Ripple Injection Plant	-	-	-	-	-	-	-	-	-	-	-	-	-
	SCADA and communications equipment	-	-	-	-		-	-	-	-	-	-	-	-
	Metering systems Power factor correction plant	-	-	-	-	-	-	-	-	-	-	-	-	-
Supporting or secondary systems	EDB-owned mobile substations and generators	-	-	-	-	-	-	-	-	-	-	-	-	-
	Easements Load management systems	-	-	-	-	-	-	-	-	-	-	-	-	-
	Asset management systems	-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtotal	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total Project/Programme	2,955,606	3,336,598	6,083,673	5.043.147	3.154.833	9,239,000	9,672,214	9.882.287	9,723,013	11,880.214	9,503,546	11.065.739	52,054,798
	· otal · · ojoot · rogrammo	2,000,000	0,000,000	0,000,010	0,0 10,171	5,.54,000	. 0,200,000	0,0.2,217	0,002,201	0,. 20,010	. 1,000,E14	0,000,040	,000,700	32,004,100

	[Nominal terms (\$)														
							Next Period										
			Curre	ent Period (Ac	tual)		Assessme (Fore			CPP	Period (Forec	ast)		Total (Next			
Project costs by source		FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	Period)			
EDB		-	-	4,687	1,742	1,677	-	-	-	-	-	-	-	-			
Related party		-	-	1,188,665	1,724,314	322,129	-	-	-	-	-	-	-	-			
Other sources		2,955,606	3,336,598	4,890,321	3,317,091	2,831,027	-	-	-	-	-			-			
To be tendered		-	-	-	-	-	9,239,000	9,672,214	9,882,287	9,723,013	11,880,214	9,503,546	11,065,739	52,054,798			
	Total Project/Programme	2,955,606	3,336,598	6,083,673	5,043,147	3,154,833	9,239,000	9,672,214	9,882,287	9,723,013	11,880,214	9,503,546	11,065,739	52,054,798			

Project/Programme Name:	Transformers
Project/Programme Description:	Transformer replacment programme
Policy Reference:	CPP37
Service Category:	(a) Provide and operate network infrastructure
Capex Category:	Replacement

							No	ominal terms (5)					
								,		Next P	eriod			1
			Curre	ent Period (Act	tual)			ent Period cast)		CPP	Period (Forec	ast)		Total (CPP
Asset Category	Asset Type	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	Period)
		-	-	-	-	-	-	-	-	-	-	-	-	-
Assets owned by the EDB but installed at bulk		-	-	-	-	-	-	-	-	-	-	-	-	-
supply points owned by others		-	-	-	-	-	-	-	-	-	-	-	1	-
	Subtotal	-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtransmission													
	66 kV Overhead lines (wood pole) 66 kV Overhead lines (towers)	-	-	-	-	-	-	-	-	-	-	-	-	-
	66 kV Underground cables (XLPE)	-	-	-		-		-	-	-	-	-	-	-
	oo kii ondorgrodina odoroo (XEI E)					•								
	33 kV Overhead lines (wood pole)	-	-	-	-	-	-	-	-	-	-	-		-
	33 kV Underground cables (XLPE)	-	-	-	-	-	-	-	-	-	-	-	-	-
	Pilot / Communications Circuits	-	-	-	-	-	-	-	-	-	-	-		-
Sub-transmission network including power				'		<u>'</u>								
transformers	Substations													
	Zone sub land	-	-	-	-	-	-	-	-	-	-	-		
	Zone sub site development and buildings	-	-	-	-	-	-	-	-	-	-	-	-	-
	Power Transformers	-	-	-	-	-	-	-	-	-	-	-	-	-
	Protection (electromechanical) Protection (digital)	-	-	-	-	-	-	-	-	-	-	-	-	-
	Outdoor Structure (concrete pole)	-	-	-	-	-	-	-	-	-	<u> </u>	-	-	
	DC Supplies, batteries and inverters	-	-	-	-	-	-	-	-	-	-	-		-
	Other items	-	-	-	-	-	-	-	-	-	-	-	•	-
	Subtotal	-	-	-	<u> </u>	- 1	-	-	-	-	-	-	-	-
	Distribution Conductors													
	11 kV Overhead lines (wood pole) 11 kV Underground cables (XLPE)	-		-	-	-	-	-	-	-	-	-	-	-
	11 KV Oliderground cables (ALFE)	-	-	-		- 1	•	-	-	-		-	-	-
Distribution network including distribution	Distribution Substations													
transformers	Distribution transformers (note 4mb/2mb/2mb)	224 542	205 226	229,255	200 240	200 044	700 500	1.113.141	1 120 122	4 404 044	4 474 044	1 022 422	4.075.077	E E04 4E0
	Distribution transformers (pole, 1ph/2ph/3ph) Distribution transformers (pad)	321,542 321,542	395,236 395,236	229,255	369,346 369,346	360,944 360,944	722,500 722,500	1,113,141	1,136,133 1,136,133	1,164,814 1,164,814	1,174,211 1,174,211	1,033,422 1,033,422	1,075,877 1,075,877	5,584,456 5,584,456
	Distribution substations mount (pole)	-	-	-	-	-	-	-	-	-		-	-	-
	Distribution substations mount (pad)	-	-	-	-	-	-	-	-	-	-	-	-	-
	Distribution substation mount (building & in customer building) Subtotal	643,083	790,472	- 458,509	738,692	721,887	1,445,000	2,226,283	2,272,266	2,329,627	2,348,422	2,066,843	2,151,753	11,168,911
	Subtotal	043,003	790,472	436,309	730,092	721,007	1,445,000	2,220,203	2,212,200	2,329,021	2,340,422	2,000,043	2,131,733	11,100,911
	Surge Diverters (3ph, 66/33kV) / Air break isolators (66/33kV)	-	-	-	-	-	-	-	-	-	-	-	-	-
	Indoor circuit breakers and switchgear (66/33/11kV) Outdoor circuit breakers and switchgear (66/33/11kV)	-	-	-	-	-	-	-	-	-	-	-	-	-
Switchgear (All voltages)	11kV Disconnectors & Dropout fuses		-		-		-	-	-	-	-	-	-	-
	11kV voltage regulators	-	-	-	-	-	-	210,953	-	-	-	-	1	-
	Subtotal	-	-	-	-	-	-	210,953	-	-	-	-	-	-
	LV Overhead lines (wood pole)	-	-	-	-	-	-	-	-	-	-	-	-	-
I avviolate and distribution maturals	LV Underground cables (XLPE)	-	-	-	-	-	-	-	-	-	-	-	-	-
Low voltage distribution network	Link Pillars & LV customer service connections	-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtotal	-	-	-	-	-	-	-	-	-	-	-	-	-
	Ripple Injection Plant	-	-	-	-	- 1		-	-	-	-	-	-	-
	SCADA and communications equipment	-	-	-	-	-	-	-	-	-	-	-		-
	Metering systems	-	-	-	-	-	-	-	-	-	-	-	-	-
Supporting or secondary systems	Power factor correction plant EDB-owned mobile substations and generators	-	-	-	-	-	-	-	-	-	-	-	-	-
Supporting of Secondary Systems	Easements	-	-	-	-	-	-	-	-	-	-	-	-	-
	Load management systems	-	-	-	-	-	-	-	-	-	-	-		-
	Asset management systems Subtotal	-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtotal			-				-	-	- 1			-	
	Total Project/Programme	643,083	790,472	458,509	738,692	721,887	1,445,000	2,437,236	2,272,266	2,329,627	2,348,422	2,066,843	2,151,753	11,168,911
						1	No	ominal terms (\$	5)	Next P	oriod			

			Nominal terms (\$)													
							Next Period									
			Curre	ent Period (Ac	tual)		Assessme (Fore			СРР	Period (Forec	ast)		Total (Next		
Project costs by source		FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	Period)		
EDB		-	-	-	-	86	-	-	-	-	-	-	-	-		
Related party			-	27,349	50,742	98,307			-	-	-		-	-		
Other sources		643,083	790,472	431,160	687,950	623,494			-	-	-		-	-		
To be tendered			-		-	-	1,445,000	2,437,236	2,272,266	2,329,627	2,348,422	2,066,843	2,151,753	11,168,911		
_	Total Project/Programme	643,083	790,472	458,509	738,692	721,887	1,445,000	2,437,236	2,272,266	2,329,627	2,348,422	2,066,843	2,151,753	11,168,911		

Project/Programme Name:	Substations
Project/Programme Description:	Houses network assets
Policy Reference:	CPP38
Service Category:	(a) Provide and operate network infrastructure
Capex Category:	Replacement

Capex Category.	Replacement													
							No	minal terms (\$	5)	Newt De				
			Curr	ent Period (Act	tual\	-	Accoccm	ent Period		Next Pe	erioa			
			Ouri	ont i erioù (Aci	iuuij			cast)		CPP I	Period (Forec	ast)		Total (CPP
Asset Category	Asset Type	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	Period)
, , , , , , , , , , , , , , , , , , ,	, , , , , , , , , , , , , , , , , , ,	-	-	-	-	-	-	-	-	-	-	-	-	-
Assets owned by the EDB but installed at bulk		-	-	-	-	-	-	-	-	-	-	-	-	-
supply points owned by others		-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtotal	-	-	-	-	-	-	-	-	-	-	-	-	-
								,			1			
	Subtransmission													
	66 kV Overhead lines (wood pole)	-	_	-	-	-		-		-	-	-	-	-
	66 kV Overhead lines (towers)	-	-	-	-	-	-	-	-	-	-	-	-	-
	66 kV Underground cables (XLPE)	-	-	-	-	-	-	-	-	-	-	-	-	-
	2011/0 11: / 1													
	33 kV Overhead lines (wood pole) 33 kV Underground cables (XLPE)	-	-	-	-	-	-	-	-	-	-	-	-	-
	33 KV Onderground cables (AEI E)	_		_	_	_		-	_	_	_			
	Pilot / Communications Circuits	-	-	-	-	-	-	-	-	-	-	-	-	-
Sub-transmission network including power														
transformers	Substations													
	Zone sub land	-	-	-	-	-	-	-	-	-	-	-	-	-
	Zone sub site development and buildings	-	-	-	1	-	-	-	-	-	-	-	1	-
	Power Transformers	-	-	-	-	-	-	-	-	-	-	-	-	-
	Protection (electromechanical) Protection (digital)	-	-	-	-	-	-	-	-	-	-	-	-	-
	Outdoor Structure (concrete pole)	-	-	-	-	-	-	-	-	-	-	-	-	-
	DC Supplies, batteries and inverters	29,804	41,302	35,167	34,153	37,662	65,000	78,760	78,898	80,890	81,542	81,159	84,493	406,982
	Other items	-	29,949	90,672		112,750	100,000	105,013		-			-	
	Subtotal	29,804	71,251	125,839	34,153	150,412	165,000	183,773	78,898	80,890	81,542	81,159	84,493	406,982
	Distribution Conductors													
	11 kV Overhead lines (wood pole)	-	-	-	-	-	-	-	-	-	-	-	-	-
	11 kV Underground cables (XLPE)	-	-	-	-	-	-	-	-	-	-	-	-	-
Distribution and the bodies of state of	Distribution Substations													
Distribution network including distribution transformers														
transferriors	Distribution transformers (pole, 1ph/2ph/3ph)	-	-	-	-	-	-	-	-	-	-	-	-	-
	Distribution transformers (pad) Distribution substations mount (pole)	210,022	-	- 50,228	36,056	20,710	120,000	- 126,016	368,191	377,486	380,531	378,741	394,300	1,899,250
	Distribution substations mount (pad)	26,964	245,367	368,667	37,915	433,742	400,000	210,027	-	-	-	-	-	-
	Distribution substation mount (building & in customer building)	-	-	-	-	-	•	-	-	-	-	-	-	-
	Subtotal	236,986	245,367	418,895	73,971	454,452	520,000	336,043	368,191	377,486	380,531	378,741	394,300	1,899,250
	Surge Diverters (3ph, 66/33kV) / Air break isolators (66/33kV)	-		-		-	-	-		-	-	-	-	
	Indoor circuit breakers and switchgear (66/33/11kV)	-	-	-	-	-	-	-	-	-	-	-	-	-
Switchgear (All voltages)	Outdoor circuit breakers and switchgear (66/33/11kV)	-	-	-	-	-	-	-	-	-	-	-	-	-
Cinicingodi (i iii Tenagoo)	11kV Disconnectors & Dropout fuses 11kV voltage regulators	-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtotal	-	-	-	-		-	-	-		-		-	-
	Custotal	L L		1		L L				L L				
	LV Overhead lines (wood pole)	-	-	-	-	-	-	-	-	-	-	-	-	-
Low voltage distribution network	LV Underground cables (XLPE)	-	-	-	-	-	-	-	-	-		-	-	-
	Link Pillars & LV customer service connections Subtotal	-	<u>-</u>	-	-	-	<u>-</u>	-	-	-	-	-		-
		<u>. </u>		ıl		· · · · · · · · · · · · · · · · · · ·				· · · · · · · · · · · · · · · · · · ·				
	Ripple Injection Plant	-		-	-	-	-	-	-	-		-	-	
	SCADA and communications equipment Metering systems	-	-	-	-	-	-	-	-	-	-	-	-	-
	Power factor correction plant	-	-	-	-	-	-	-	-	-	-	-	-	-
Supporting or secondary systems	EDB-owned mobile substations and generators	-	-	-	-	-		-	-	-	-	-	-	-
	Easements	-	-	-	-	-	-	-	-	-	-	-	-	-
	Load management systems	-	-	-	-	-	-	-	-	-	-	-	-	-
	Asset management systems Subtotal	-	-	-	-	-	-	-	-	-	-	-	-	-
								,			1			•
	Total Project/Programme	266,790	316,618	544,734	108,124	604,864	685,000	519,816	447,089	458,376	462,074	459,900	478,793	2,306,232
							ki.	minal tarms (f	٠,					
						ı	N	ominal terms (\$	7)	Next Pe	eriod			
		The state of the s							1					

	Ī		Nominal terms (\$)											
										Next P	eriod			
		Current Period (Actual)				Assessment Period (Forecast)			СРР	Period (Forec	ast)		Total (Next	
Project costs by source		FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	Period)
EDB		-	-	688	-	129	-	-	-	-	-	-	-	-
Related party		-	-	337,940	17,666	167,061	-	-	-	-	-	-	-	-
Other sources		266,790	316,618	206,106	90,458	437,674	-	-	-	-	-	-	-	-
To be tendered		-	-	-	-	-	685,000	519,816	447,089	458,376	462,074	459,900	478,793	2,306,232
	Total Project/Programme	266 790	316 618	544 734	108 124	604 864	685 000	519 816	447 089	458 376	462 074	459 900	478 793	2 306 232

Project/Programme Name:	Buildings and grounds
Project/Programme Description:	Replacement of substation and kiosk buildings
Policy Reference:	CPP39
Service Category:	(a) Provide and operate network infrastructure
Capex Category:	Replacement

	ſ						Ne	ominal terms (\$)					
			Curre	nt Period (Ac	tual)		Assessm	ent Period	•		Period			
								ecast)			Period (Fored			Total (CF
sset Category	Asset Type	FY08	FY09	FY10	FY11 -	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19 -	Period
and a company to the EDD but installed at bull-		-	-	-	-	-	-	-	-	-	-	-		
ssets owned by the EDB but installed at bulk supply points owned by others		-	-	-	-	-	-	-	-	-	-	-	-	
supply politics owned by officers		-	-	-	-	-	-	-	-	-	-	-	-	
	Subtotal	-	- 1	-	-	-	-	-	-	-	-	-	-	
	Subtransmission													
	66 kV Overhead lines (wood pole)	-	-	-	-	-	-	-	-	-	-	-	-	
	66 kV Overhead lines (towers) 66 kV Underground cables (XLPE)	-	-	-	-	-	-	-	-	-	-	-	-	
	55 KV Oriderground cables (XEFE)		_	_	_		_	_	_	_	_	_		
	33 kV Overhead lines (wood pole)	-	-	-	-	-	-	-	-	-	-	-	-	
	33 kV Underground cables (XLPE)	-	-	-	-	-	-	-	-	-	-	-	-	
	Pilot / Communications Circuits	-	- 1	-	-	-	-	-	-	_	-	-	-	
Sub-transmission network including power	1 Hot / Communications Should													
transformers	Substations													
	Zono sub land													
	Zone sub land Zone sub site development and buildings	29,454	13,300	118,772	46,456	13,856	205,000	172,961	732,169	191,237	198,837	206,755	2,169,577	3,498,
	Power Transformers	- 25,434	-	-	-	-	-	-	-	-	-	-		3,490,
	Protection (electromechanical)	-	-	-	-	-	-	-	-	-	-	-	-	
	Protection (digital)	-	-	-	-	-	-	-	-	-	-	-	-	
	Outdoor Structure (concrete pole) DC Supplies, batteries and inverters	-	-	-	-	-	-	-	-	-	-	-	-	
	Other items		-	-	-		-	-	-	-	-	-		
	Subtotal	29,454	13,300	118,772	46,456	13,856	205,000	172,961	732,169	191,237	198,837	206,755	2,169,577	3,498
	Distribution Conductors													
	11 kV Overhead lines (wood pole)	-	-	-	-	-	-	-	-	-	-	-	-	
	11 kV Underground cables (XLPE)	-	-	-	-	-	-	-	-	-	-	-	-	
Distribution network including distribution	Distribution Substations													
transformers	Distribution transformers (pole, 1ph/2ph/3ph)	-	-	-	-	-	-	-	-	-	-	-	-	
	Distribution transformers (pad)	-	-	-	-	-	-	-	-	-	-	-	-	
	Distribution substations mount (pole)	-	-	-	-	-	-	-	-	-	-	-	-	
	Distribution substations mount (pad)	47,126	21,280	190,034	74,329	22,169	75,000	314,474	330,302	347,704	361,522	375,918	390,915	1,806,
	Distribution substation mount (building & in customer building) Subtotal	41,235 88,361	18,620 39,901	166,280 356,315	65,038 139,367	19,398 41,567	420,000 495,000	262,062 576,535	275,251 605,553	289,753 637,457	301,269 662,791	313,265 689,182	390,915	1,179, 2,985,
	Subtotal	00,301	39,901	330,313	139,307	41,307	493,000	370,333	005,555	037,437	002,791	009,102	390,913	2,900,
	Surge Diverters (3ph, 66/33kV) / Air break isolators (66/33kV)	-	-	-	-	-	-	-	-	-	-	-	-	
	Indoor circuit breakers and switchgear (66/33/11kV)	-	-	-	-	-	-	-	-	-	-	-	-	
Switchgear (All voltages)	Outdoor circuit breakers and switchgear (66/33/11kV) 11kV Disconnectors & Dropout fuses	-	-	-	-	-	-	-	-	-	-	-	-	
	11kV voltage regulators	-	-	-	-	-	-	-	-	-	-	_	-	
	Subtotal	-	-	-	-	-	-	-		-	-	-	-	
	LV Overhead lines (wood pole) LV Underground cables (XLPE)	-	-	-	-	-	-	-	-	-	-	-	-	
Low voltage distribution network	Link Pillars & LV customer service connections		-	-	-		-	-	-	-	-	-		
	Subtotal	-	-	-	-	-	-	-	-	-	-	-	-	
	Ripple Injection Plant SCADA and communications equipment	-	-	-	-	-	-	-	-	-	-	-	-	
	Metering systems	-	-	-	-	-	-	-	-	-	-	-	-	
	Power factor correction plant	-	-	-	-	-	-	-	-	-	-	-	-	
Supporting or secondary systems	EDB-owned mobile substations and generators	-	-	-	-	-	-	-	-	-	-	-	-	
	Easements	-	-	-	-	-	-	-	-	-	-	-	-	
	Load management systems Asset management systems	-	-	-	-	-	-	-	-	-	-	-	-	
	Asset management systems Subtotal	-	-	-	-	-	-	-	-	-	-	-	-	
	<u> </u>							•		•	•			
	Total Project/Programme	117,814	53,201	475,086	185,822	55,423	23 700,000 749,496 1,337,721 828,694 861,628 895,937 2,560,492							
	Γ						Ni	ominal terms (\$)					
	 							a. terms (-	* /	Next F	Period			
		Current Period (Actual)					Assessment Period CPP Period (Forecast)							
		<u> </u>					(Forecast)				· · · · · · · · · · · · · · · · · · ·			
	Project costs by source	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	Period

			Nominal terms (\$)											
										Next P	eriod			
			Curre	ent Period (Ac	tual)		Assessme (Fore			СРР	Period (Forec	ast)		Total (Next
Project costs by source		FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	Period)
EDB		-	-	-	-	-	-	-	-	-	-	-	-	-
Related party		-	-	275,636	-	-	-	-	-	-	-	-	1	-
Other sources		117,814	53,201	199,450	185,822	55,423	-			-		-	-	-
To be tendered			-		-	-	700,000	749,496	1,337,721	828,694	861,628	895,937	2,560,492	6,484,473
	Total Project/Programme	117,814	53,201	475,086	185,822	55,423	700,000	749,496	1,337,721	828,694	861,628	895,937	2,560,492	6,484,473

Project/Programme Name:	Meters
Project/Programme Description:	Replacement of metering equipment
Policy Reference:	CPP40
Service Category:	(a) Provide and operate network infrastructure
Capex Category:	Replacement

							No	minal terms (\$)					
			Curre	ent Period (Ac	tual)	-	Assessme	ent Period		Next Pe				
			Curre	int i erioù (Ac	tuaij		(Fore			CPP P	Period (Foreca	st)		Total (CPP
Asset Category	Asset Type	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	Period)
Assets owned by the EDB but installed at bulk		-	-	-	-	-	-	-	-	-	-	-	-	-
supply points owned by others		-	-	-	-	-	-	-	-	-	-	-	-	-
dappi, pointe diffica di cuito	Subtotal	-	-	-	-	-	-	-	-	-	-	-	-	-
										L	l			
	Subtransmission													
	66 kV Overhead lines (wood pole)	-	-	-	-	-	-	-	-	-	-	-	-	-
	66 kV Overhead lines (towers)	-	-	-	-	-	-	-	-	-	-	-	-	-
	66 kV Underground cables (XLPE)	-	-	-	-	-	-	-	-	-	-	-	-	-
	33 kV Overhead lines (wood pole)	-	-	-	-	-	-	-	-	-	-	-	-	-
	33 kV Underground cables (XLPE)	-	-	-	-	-	-	-	-	-	-	-	-	-
	Pilot / Communications Circuits	-	-	-	-	-	-	-	-	-	-	-	-	-
Sub-transmission network including power														
transformers	Substations													
	Zone sub land	-	-	-	-	-	-	-	-	-	-	-		-
	Zone sub site development and buildings	-	-	-	-	-	-	-	-	-	-	-	-	-
	Power Transformers Protection (electromechanical)	-	-	-	-	-	-	-	-	-	-	-	-	-
	Protection (digital)	-	-	-	-	-	-	-	-	-	-	-	-	-
	Outdoor Structure (concrete pole)	-	-	-	-	-	-	-	-	-	-	-	-	-
	DC Supplies, batteries and inverters Other items	-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtotal	-	-			-	-	-	-	-	-	-	-	-
	Distribution Conductors													
	11 kV Overhead lines (wood pole)	-	-	-	-	-	-	-	-	-	-	-	-	-
	11 kV Underground cables (XLPE)	-	-	-	-	-	-	-	-	-	-	-	-	-
Diotaile stice potencial including distribution	Distribution Substations													
Distribution network including distribution transformers														
	Distribution transformers (pole, 1ph/2ph/3ph) Distribution transformers (pad)	-	-	-	-	-	-	-	-	-	-	-	-	-
	Distribution substations mount (pole)	-	-	-	-	-	-	-	-	-	-	-	-	-
	Distribution substations mount (pad)	-	-	-	-	-	-	-	-	-	-	-	-	-
	Distribution substation mount (building & in customer building) Subtotal	-	-	-	-	-	-	-	-	-	-	-	-	-
										, I				
	Surge Diverters (3ph, 66/33kV) / Air break isolators (66/33kV) Indoor circuit breakers and switchgear (66/33/11kV)	-	-	-	-	-	-	-	-	-	-	-	-	-
Outlieb many (Allera Irana)	Outdoor circuit breakers and switchgear (66/33/11kV)	-	-	-	-	-	-	-	-	-	-	-	-	-
Switchgear (All voltages)	11kV Disconnectors & Dropout fuses	-	-	-	-	-	-	-	-	-	-	-	-	-
	11kV voltage regulators Subtotal	-	-	-	-	-	-	-	-	-	-	-	-	-
	Subidial			-					-	- 1				_
	LV Overhead lines (wood pole)		-	-	-	-	-	-	-	-	-	-		-
Low voltage distribution network	LV Underground cables (XLPE) Link Pillars & LV customer service connections	-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtotal	-	-		-	-	-	-	-	-	-	-		-
	Ripple Injection Plant	-	-	-	-	-	-	-	-	-	-	-	-	_
	SCADA and communications equipment	-	-	-	-	-	-	-	-	-	-	-	-	-
	Metering systems	67,087	7,507	-	-	11,339	160,000	137,120	137,504	193,793	86,804	86,317	145,602	650,020
Supporting or secondary systems	Power factor correction plant EDB-owned mobile substations and generators	-	-	-	-	-	-	-	-	-	-	-	-	-
Supporting of secondary systems	Easements	-	-	-	-	-	-	-	-	-	-	-	-	-
	Load management systems	-	-	-	-	-	-	-	-	-	-	-	-	-
	Asset management systems Subtotal	67,087	7,507	-	-	11,339	160,000	137,120	137,504	193,793	86,804	86,317	145,602	650,020
	Subtotal	01,001	1,007		-	11,338	100,000	101,120	137,304	173,173	00,004	00,317	140,002	030,020
	Total Project/Programme	67,087	7,507	-	-	11,339	160,000	137,120	137,504	193,793	86,804	86,317	145,602	650,020
	·							minal torms (\$						

		Nominal terms (\$)											
									Next P	eriod			
		Current Period (Actual)				Assessment Period (Forecast)		CPP Period (Forecast)					Total (Next
Project costs by source	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	Period)
EDB	-	-	-	-	-	-	-	-	-	-	-	-	-
Related party	-	-	-	-	-	-		-		-	-	-	-
Other sources	67,087	7,507	-	-	11,339	-		-		-	-	-	-
To be tendered	-	-	-	-	-	160,000	137,120	137,504	193,793	86,804	86,317	145,602	650,020
Total Project/Programme	67,087	7,507	-	-	11,339	160,000	137,120	137,504	193,793	86,804	86,317	145,602	650,020

Project/Programme Name:	Underground cables subtransmission
Project/Programme Description:	Replacement of 33kV underground cables
Policy Reference:	CPP41
Service Category:	(a) Provide and operate network infrastructure
Capex Category:	Replacement

								Na	minal tarma (
Asset Type								INC	minai ternis (<u> </u>	Next P	eriod			
Asset Types			Current Period (Actual)										ast)		Total (CPP
Control of the Control of Section 1 Control of the Control of	Asset Category	Asset Type	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	Period)
Substitution (Control of Control of Contro															-
Address Section Sect															-
Survivories interests inte	supply points owned by others														-
SA V Chartest Free		Subtotal	-	-	-	-	-	-	-	-	-	-	-	-	-
## AVX Checkman (Incidence) ## AVX Checkman		Subtransmission													
Care Note the Extraction															
Supplied Company Com															-
Site Continent lines (root polis)															-
Continues Cont		oo kir ondonground odoloo (xer 2)	1				•								
Subtransmission including graves transformers File / Communication Crosses												-			-
Subtractions Subt		33 KV Underground cables (XLPE)	-	-	546,994	201,035	510,560	50,000	-	-	-	-	-	-	-
Secretarion		Pilot / Communications Circuits	-	-	-	-	-	-	-	-	-	-	-	-	-
Description research (and sing distribution research (and si		Culatations													
Zone sub all ist development and buildings Conserver C	transformers	SUDSTATIONS													
Proceed Transplantanes		Zone sub land	-	-	-	-	-	-	-	-	-	-	-	-	-
Protection (electromentumical)															-
Protection (digital)															-
Distribution Conductors															-
Distribution retwork including distribution Fundamental (policy 1ph/2ph/sph)			-	-			-			-	-	-	-		-
Subtotal -															-
Distribution network including distribution standard properties (and pole) 11 NV Overhead lines (nod pole) 11 NV Overhead ines (nod pole) 12 Distribution readverses (pole, fish/20/30/in) 13 Distribution readverses (pole, fish/20/30/in) 14 Distribution substantions require (pole) 15 Distribution substantions require (pole) 15 Distribution substantions require (pole) 15 Distribution substantions require (pole) 16 Distribution substantions require (pole) 17 Distribution substantions require (pole) 18 Supporting of secondary (pole) 19 Distribution substantions require (pole) 10 Distribution substantions require (pole) 11 Distribution substantions require (pole) 12 Distribution substantions require (pole) 13 Distribution substantions require (pole) 14 Distribution substantions require (pole) 15 Distribution substantions require (pole) 16 Distribution substantions require (pole) 17 Distribution substantions require (pole) 18 Distribution substantions require (pole) 18 Distribution substantions require (pole) 19 Distribution substantions require (pole) 10 Distribution substantions require (pole) 10 Distribution substantions require (pole) 11 Distribution substantions require (pole) 12 Distribution substantions require (pole) 13 Distribution substantions require (pole) 14 Distri															-
Tit KV Overhead lines (wood pole)			•	•			,						•		1
Distribution network including distribution Transformers Distribution substations Distribution substations Distribution transformers (pold, 1ph/2ph/3ph) Distribution transformers (pold, 1ph/2ph/3ph) Distribution substations mount (pold) Distribution substations mount (pold) Distribution substations mount (polding in customer building) Distribution substations and substations (66:33x11kV) Indoor circuit breakers and switchgars (66:33x11kV) Indoor circuit breakers and switchga		Distribution Conductors													
Distribution network including distribution transformers Distribution Substations Distribution Transformers (pole, 1ph/2ph/3ph) Distribution transformers (pole, 1ph/2ph/3ph) Distribution transformers (pole, 1ph/2ph/3ph) Distribution substations mount (pole) Substations Substation		11 kV Overhead lines (wood pole)	-	-	-	-	-		-		-		-		
Distribution transformers (pole, 1ph/2ph/3ph)			-	-	-	-	-	-	-	-	-	-	-	-	
Distribution transformers (pole, 1ph/2ph/3ph)		Distribution Cubatations													
Distribution transformers (pad)		Distribution Substations													
Distribution substations mount (pole)	transformers		-	-	-	-	-	-	-	-	-	-	-	-	-
Distribution substations mount (pad)															-
Distribution substation mount (building & in customer building)															-
Surge Diverters (3ph, 66/33kV) / Air break isolators (66/33kV)															-
Indoor circuit breakers and switchgear (66/33/11kV)		Subtotal	-	-	-	-	-	-	-	-	-	-	-	-	-
Indoor circuit breakers and switchgear (66/33/11kV)		Surge Diverters (3ph 66/33kV) / Air break isolators (66/33kV)	_			-	-		-	-			_	-	-
11kV Disconnectors & Dropout fuses		Indoor circuit breakers and switchgear (66/33/11kV)													
TIRV bitsorificative at Disposit fuses	Switchgear (All voltages)														-
Low voltage distribution network Low filters & Low Customer service connections															-
Low voltage distribution network Link Pillars & LV customer service connections															-
Low voltage distribution network Link Pillars & LV customer service connections															
Link Pillars & LV customer service connections															-
Ripple Injection Plant	Low voltage distribution network														-
SCADA and communications equipment		Subtotal	-	-	-	-	-	-	-	-	-	-	-	-	-
SCADA and communications equipment		Ripple Injection Plant	_	_	_								_	_	-
Metering systems Metering sy															-
EDB-owned mobile substations and generators		Metering systems	-			-		-		-				-	-
Easements	Supporting or secondary systems														-
Load management systems -	Supporting of Secondary systems														- :
Subtotal		Load management systems													
															-
Total Project/Programme 546,994 201,035 510,560 50,000		Subtotal		-	- 1	-	-	-	-	-	_	-	_	-	-
		Total Project/Programme			546,994	<u>201,03</u> 5	510,560	<u>5</u> 0,000							-
Nominal terms (\$)															

		Nominal terms (\$)											
									Next F	Period			
		Current Period (Actual)				Assessment Period (Forecast)		CPP Period (Forecast)					Total (Next
Project costs by source	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	Period)
EDB	-	-	-	2,666	645	-	-	-	-	-	-	-	-
Related party	-	-	4,677	162,847	389,915		-	-	-	-	-	-	-
Other sources	-	-	542,317	35,522	120,000		-	-	-	-	-	-	-
To be tendered	-	-	-	-	-	50,000	-	-	-	-	-	-	-
Total Project/Programi	ne -	-	546,994	201,035	510,560	50,000	-	-	-	-	-	-	-

Project/Programme Name:	Asset management systems
Project/Programme Description:	Replacement of asset mangement systems
Policy Reference:	CPP42
Service Category:	(a) Provide and operate network infrastructure
Capex Category:	Replacement

Accessor of the Deal of course of balance			Nominal terms (\$)												
Asset Type			Current Period (Actual) Assessment Period CPP Period (Forecast)										Total (CDD		
Security Early Art motivation and security Securi	Asset Category	Asset Type	FY08	FY09	FY10	FY11	FY12	· · · · ·		FY15	FY16	FY17	FY18	FY19	Period)
Substitution Subs														-	-
Subsylvania briefly detailed in a control page of the Control page	Assets owned by the EDB but installed at bulk														-
Summary Summ	supply points owned by others														-
Fig. 10 Control (min print)		Subtotal													-
Fig. 10 Control (min print)															
Bit V Contract Tree Questions (20 PC)		Subtransmission													
Bit V Contract Tree Questions (20 PC)		66 kV Overhead lines (wood pole)	-	-	-	-	-	-	-	-	-	-	-	-	_
Six Control (not) secol patis		66 kV Overhead lines (towers)	-	-	-	-	-	-	-	-	i	-	-	-	-
Substitution Control		66 kV Underground cables (XLPE)	-	-	-	-	_	-	-	-	-	-	-	-	-
Substitution Control		33 kV Overhead lines (wood pale)													-
### Communications Continued Preserve Communications Continued Continued and desired continued															
School protects School S															
Solitation Sol		Pilot / Communications Circuits	-	-	-	-	-	-	-	-	-	-	-	-	-
Zame sub-limit Zame		Substations													
Zore u.a. in development and fundations	transionners														
Protection (informationness)															-
Protection (sectomersharinal)															-
Protection (digitals)															-
Control Structure (concrete pole)								1							-
Other ferror Substantian			-	-		-	-	-		-	-			-	-
Destribution network including distribution network includin								-						-	-
Distribution Conductors				1			-								-
Test Destribution network including distribution network including a network of the property of		Subtotal	-	-	-	-	-	- 1	-	-	-	-	-	-	-
Distribution network including distribution transformers		Distribution Conductors													
Distribution network including distribution transformers															
Distribution network including distribution framsformers (pole, fiph/2ph/3ph)															-
Distribution transformers (gole, 1ph/2ph/3ph)		11 KV Oliderground cables (ALFL)	-			-	-	- 1		-	-	-	-	-	
Strandformers State Stat	Distribution network including distribution	Distribution Substations													
Distribution transformers (pad)		Distribution (source of source of sole Auth/Oath/Oath)													
Distribution substations mount (pole)															-
Distribution substation mount (paid in customer building)															-
Surge Diverters (3ph, 66/33kV) Air break isolators (66/33kV)		Distribution substations mount (pad)		-		-	-	-	-	-	-	-			-
Surge Diverters (3ph, 66/33kV) / Air break isolators (66/33kV)															-
Indoor circuit breakers and switchgear (66/33/11kV)		Subtotal	-	-	-	-	-	- 1		-	-	-	-	-	-
Switchgear (All voltages) Switchgear (68/38/11kV)		Surge Diverters (3ph, 66/33kV) / Air break isolators (66/33kV)	-	-	-	-	-	-	-	-	-	-	-	-	-
11kV Disconnectors & Dropout fuses															-
Titk Voitage regulators	Switchgear (All voltages)							1							-
Low voltage distribution network Low voltage di															-
Low voltage distribution network Link Pillars & LV customer service connections															-
Low voltage distribution network Link Pillars & LV customer service connections															
Link Pillars & LV customer service connections															-
Ripple Injection Plant	Low voltage distribution network														-
SCADA and communications equipment															-
SCADA and communications equipment		Divide Injection Diont													-
Metering systems															-
Power factor correction plant															-
Easements Load management systems		Power factor correction plant													-
Load management systems	Supporting or secondary systems														-
Asset management systems 239,042 309,740 1,086,522 166,184 1,025,647 1,199,554 182,678 3,660, Subtotal 239,042 309,740 1,086,522 166,184 1,025,647 1,199,554 182,678 3,660, Total Project/Programme 239,042 309,740 1,086,522 166,184 1,025,647 1,199,554 182,678 3,660,															-
Subtotal - - - - 239,042 309,740 1,086,522 166,184 1,025,647 1,199,554 182,678 3,660, Total Project/Programme - - - - 239,042 309,740 1,086,522 166,184 1,025,647 1,199,554 182,678 3,660,															3,660,585
Total Project/Programme 239,042 309,740 1,086,522 166,184 1,025,647 1,199,554 182,678 3,660,															3,660,585
							1								
Naminal forms (E)		Total Project/Programme	-	-	-	-	-	239,042	309,740	1,086,522	166,184	1,025,647	1,199,554	182,678	3,660,585
								No	minal terms ((2					

	Nominal terms (\$)													
						Next Period								
	Current Period (Actual)					Assessme (Fore				Total (Next				
Project costs by source	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	Period)	
EDB	-	-	•	-	-	-	-	-	-	-	-	-	-	
Related party	-	ı	•	-	-	-	-	-	-	-	-	-	-	
Other sources	-	ı	•	-	-	-	-	-	-	-	-	-	-	
To be tendered	-	-	-	-		239,042	309,740	1,086,522	166,184	1,025,647	1,199,554	182,678	3,660,585	
Total Project/Programme	-	-	-	-	-	239,042	309,740	1,086,522	166,184	1,025,647	1,199,554	182,678	3,660,585	

Project/Programme Name:	Distribution management system
Project/Programme Description:	Replacement of distribution mangement systems
Policy Reference:	CPP 43
Service Category:	(a) Provide and operate network infrastructure
Capex Category:	Replacement

	1	Nominal terms (\$)												
		Current Period (Actual) Assessment Period (Forecast) Next Period CPP Period (Forecast)										Total (CPP		
Asset Category	Asset Type	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	Period)
		-	-	-	-	-	-	-	-	-	-	-	-	-
Assets owned by the EDB but installed at bulk		-	-	-	-	-	-	-	-	-	-	-	-	-
supply points owned by others		-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtotal	-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtransmission													
	Cubitanion													
	66 kV Overhead lines (wood pole) 66 kV Overhead lines (towers)	-	-	-	-	-	-	-	-	-	-	-	-	-
	66 kV Underground cables (XLPE)	-	-	-	-	-	-		-		-	-	-	-
										1	•			
	33 kV Overhead lines (wood pole)	-	-	-	-	-	-	-	-	-	-	-	-	-
	33 kV Underground cables (XLPE)	-	-	-	-	-	-	-	-	-	-	-	-	-
	Pilot / Communications Circuits	-	-	-	-	-	-	-	-	-	-	-	-	-
Sub-transmission network including power	Substations													
transformers	Guistations													
	Zone sub land	-	-	-	-	-	-	-	-	-	-	-	-	
	Zone sub site development and buildings Power Transformers	-	-	-	-	-	-	-	-	-	-	-	-	-
	Protection (electromechanical)		-	-	-	-	-		-	-	-		-	-
	Protection (digital)	-	-	-	-	-	-	-	-	-	-	-	-	-
	Outdoor Structure (concrete pole) DC Supplies, batteries and inverters	-	-	-	-	-	-	-	-	-	-	-	-	-
	Other items	-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtotal	-	-	-	-	-	-	-	-	-	-	-	-	
	Distribution Conductors													
	Distribution Conductors													
	11 kV Overhead lines (wood pole)	-	-	-	-	-	-	-	-	-	-	-	-	-
	11 kV Underground cables (XLPE)	-	-	-	-	-	-	-	-	-	-	-	-	-
	Distribution Substations													
Distribution network including distribution transformers											_			
tansomers	Distribution transformers (pole, 1ph/2ph/3ph) Distribution transformers (pad)	-	-	-	-	-	-	-	-	-	-	-	-	-
	Distribution transformers (pad) Distribution substations mount (pole)	-	-	-	-	-	-	-	-	-	-	-	-	-
	Distribution substations mount (pad)	-	-	-	-	-	-	-	-	-	-	-	-	-
	Distribution substation mount (building & in customer building)	-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtotal	-	-	-	-	-	-	-	-	-	-	-	-	-
	Surge Diverters (3ph, 66/33kV) / Air break isolators (66/33kV)	-	-	-	-	-	-	-	-	-	-	-	-	
	Indoor circuit breakers and switchgear (66/33/11kV) Outdoor circuit breakers and switchgear (66/33/11kV)	-	-	-	-	-	-		-		-	-	-	-
Switchgear (All voltages)	11kV Disconnectors & Dropout fuses		-	-	-	-	-		-	-	-	-	-	
	11kV voltage regulators	-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtotal	-	-	-	-	-	-	-	-	-	-	-	-	-
	LV Overhead lines (wood pole)	-	-				-				-			-
Low voltage distribution network	LV Underground cables (XLPÉ)	-	-	-	-	-	-	-	-	-	-	-	-	-
Low voltage distribution network	Link Pillars & LV customer service connections Subtotal	-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtotal	-	-	- 1			- 1	-			-	-	-	-
	Ripple Injection Plant	-	-	-	-	-	-	-	-	-	-	-	-	-
	SCADA and communications equipment Metering systems	999,113	626,907	1,228,034	761,557 -	778,386	225,000	822,718	994,258	742,872	661,881	873,964	683,209	3,956,183
	Power factor correction plant	-	-	-	-	-	-	-	-		-	-	-	-
Supporting or secondary systems	EDB-owned mobile substations and generators	-	-	-	-	-	-	-	-	-	-	-	-	
	Easements	-	-	-	-	-	-	-	-	-	-	-	-	-
	Load management systems Asset management systems	-	-	-	-	-	-	-	-	-	-	-	-	-
	Subtotal	999,113	626,907	1,228,034	761,557	778,386	225,000	822,718	994,258	742,872	661,881	873,964	683,209	3,956,183
	Total Pasis at D	000 115	000 00=	4.000.00.1	70 1	770 00- 1	00= 000	000 745	0010==	740.07-	004.007	070.00:	000 000	0.050.155
	Total Project/Programme	999,113	626,907	1,228,034	761,557	778,386	225,000	822,718	994,258	742,872	661,881	873,964	683,209	3,956,183
							No	minal terms (5)					

		Nominal terms (\$)													
							Next Period								
		Current Period (Actual)					Assessme (Fore		CPP Period (Forecast)					Total (Next	
Project costs by source		FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	Period)	
EDB		-	-	172	86	-	-	-	-	-	-	-	-	-	
Related party			-	124,740	133,401	56,637	-	-	-	-		-	-	-	
Other sources		999,113	626,907	1,103,122	628,070	721,749	-	-	-			-	-	-	
To be tendered			-	-	-	-	225,000	822,718	994,258	742,872	661,881	873,964	683,209	3,956,183	
	Total Project/Programme	999,113	626,907	1,228,034	761,557	778,386	225,000	822,718	994,258	742,872	661,881	873,964	683,209	3,956,183	