

B. MANDATORY SPARE PARTS, TOOLS AND INSTRUMENTS

Item	Description ¹	Country of Origin	Quantity	Unit Price ^a		Total Price ^a	Taxes and Duties
				Foreign Currency	CIP	Foreign Currency	Local Currency
1	2	3	4	5	6	7 = 4 x 6	8
MANDATORY SPARE PARTS, TOOLS AND INSTRUMENTS							
1.2.1.16, 1.2.1.17, 1.2.2.13, 1.2.2.14							
A	COMMUNICATION EQUIPMENT						
	Optical Multiplexer						
	Power Supply Module		1 No.				
	CPU Module		1 No.				
	Optical Interface Module		1 No				
	FXS Interface module		1 No				
	Differential Protection Interface module		1 No				
	Tele protection Interface module (with connection cables)		1 No				
	Ethernet Interface module (L2 & L3)		1 No				
	Connection Cable set for each module		1 Lot				
	SFP L 1.1		1 No				
	SFP 1.25 Gbit/s		1 No.				
	Gateway						
	Two numbers (02 Nos) of each Interface modules with cables and accessories for Gateway.		1 Lot				
	Gateway configuration and maintenance software installed in a Local Craft Terminal (Utility grade semi rugged).		1 No				
	Complete software and licenses for gateway configuration and maintenance (including dongles if any)		1 No				
	Instruments						
	Optical Multiplexer configuration software installed in a Local Craft Terminal (Utility grade semi rugged with webcam) .		1 No				
	IEEE C37.94 Tester		1 No				

Item	Description ¹	Country of Origin	Quantity	Unit Price ^a		Total Price ^a		Taxes and Duties
				Foreign Currency	CIP	Foreign Currency	Local Currency	
1	2	3	4	5	6	7 = 4 x 6		8
B	SUBSTATION AUTOMATION SYSTEM							
	Operator Workstation Rack Type Industrial PC		1 No.					
	Engineering Workstation Rack Type Industrial PC		1 No.					
	Remote Workstation Rack Type Industrial PC		1 No.					
	Gateway		1 No.					
	27" Monitors		2 Nos.					
	GPS Time Server with Antenna		1 No.					
	Ethernet Switch (Station Level)		1 No.					
	Hooter		1 No.					
	Firewall		1 No.					
	LED Clock Display		1 No.					
	Tools							
	IEC 61850 Intelligent Electronic Device (IED) Testing Tool		3 Nos.					
TOTAL Column 7 to be carried forward to Schedule No. 5. Grand Summary								

Schedule No. 2: Plant and Mandatory Spare Parts Supplied from within the Employer's Country

Item	Description	Qty	EXW Unit Price ¹	Total EXW Price ¹	Sales Tax	Total Price
1	2	3	4	5 = 3 x 4	6	7 = 5 + 6
TOTAL Column 5 to be carried forward to Schedule No. 5. Grand Summary						

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Schedule No. 3: Design Services

Item	Description	Unit	Qty.	Unit Price ¹		Total Price ¹	
				Local Currency Portion	Foreign Currency Portion	Local Currency Portion	Foreign Currency Portion
1	2	3	4	5	6	7 = 4 × 5	8 = 4 × 6
Construction of Monaragala Grid Substation and Siyambalanaduwa Collector Sustation							
1.1	Design and Liaison of Works	Lot	1				
1.2	Drawings and Documentation required for Works	Lot	1				
TOTAL Column 7 and 8 to be carried forward to Schedule No. 5 - Grand Summary							

Name of Bidder _____

Signature of Bidder _____

Schedule No. 4: Civil Works, Installation, Other Services and Training

Item	Description ¹	Quantity	Unit Price		Total Price	
			Local Currency Portion	Foreign Currency Portion	Local Currency Portion	Foreign Currency Portion
1	2	3	4	5	6 = 3 x 4	7 = 3 x 5
	1.3.1 CIVIL WORKS					
A1	1.3.1.1 SIYABALANDUWA GRID SUBSTATION					
1	1.3.1.1.1 Preliminary Works					
	Site Survey	1 Item				
	Sub Soil Investigations	1 Item				
2	1.3.1.1.2 Site Clearing					
	Cutting and removing trees, shrubs & boulders	1 Item				
3	1.3.1.1.3 Site formation and up keeping					
	Cutting & filling earth	1 Item				
	Rock Excavation	1 Item				
	Rock volume < 50m ³	50m ³				
	50m ³ <Rock volume < 200m ³	150m ³				
	200m ³ <Rock volume < 500m ³	300m ³				
	500m ³ <Rock volume < 1000m ³	500m ³				
	Earth retaining structures	1 Item				
	Anti Termite soil treatment	1 Item				
	Surface Chipping	1 Item				
4	1.3.1.1.4 Cable Trenches & Ducts	1 Item				
5	1.3.1.1.5 Foundations					
	For take-off structures & switchgear	1 Item				
	For Main Power Transformers & fire wall	1 Item				
	For Auxiliary Transformers	1 Item				
	For Earthing Transformers	1 Item				
6	1.3.1.1.6 Lightning protection system	1 Item				
7	1.3.1.1.7 Water Supply & Drainage System					
	Water supply system	1 Item				
	Waste Water & Sewerage system	1 Item				
	Surface water drainage system	1 Item				
8	1.3.1.1.8 Construction & Maintenance of Roads					
	Approach road (under developer's scope)					
	Access road	1 Item				
9	1.3.1.1.9 Fence, Gates and Boundary Walls					

Item	Description ¹	Quantity	Unit Price		Total Price	
			Local Currency Portion	Foreign Currency Portion	Local Currency Portion	Foreign Currency Portion
1	2	3	4	5	6 = 3 x 4	7 = 3 x 5
	Chain link fence and remotely operable gates	1 Item				
	Barbed wire fence and gate	1 Item				
10	1.3.1.1.10 External Lighting & Small Power Supply Services	1 Item				
11	1.3.1.1.11 CCTV System	1 Item				
12	1.3.1.1.12 Construction of Control & Other Buildings					
	Control building at Siyabalanduwa	1 Item				
	Site Office at Siyabalanduwa	1 Item				
	Temporary Works (Stores, access, contractor's offices etc)	1 Item				
	House for Diesel Generator	1 Item				
	Guard Room	1 Item				
	Shed for car parking	1 Item				
13	1.3.1.1.13 Construction of Building Services					
	Air conditioning & ventilation system	1 Item				
	Fire protection	1 item				
	Internal Lighting & small power supply services	1 Item				
14	1.3.1.1.14 Miscellaneous Work	1 Item				
A2	1.3.1.2 MONARAGALA GRID SUBSTATION					
1	1.3.1.2.1 Preliminary Works					
	Site Survey	1 Item				
	Sub Soil Investigations	1 Item				
2	1.3.1.2.2 Site formation and up keeping					
	Surface Chipping	1 Item				
3	1.3.1.2.3 Cable Trenches & Ducts					
		1 Item				
4	1.3.1.2.4 Foundations					
	For take-off structures & switchgear	1 Item				
5	1.3.1.2.5 Lightning protection system					
		1 Item				
6	1.3.1.2.6 Water Supply & Drainage System					
	Surface water drainage system	1 Item				
7	1.3.1.2.7 Fence, Gates and Boundary Walls					
	Chain link fence and remotely operable gates	1 Item				
	Barbed wire fence and gate	1 Item				

Item	Description ¹	Quantity	Unit Price		Total Price	
			Local Currency Portion	Foreign Currency Portion	Local Currency Portion	Foreign Currency Portion
1	2	3	4	5	6 = 3 x 4	7 = 3 x 5
8	1.3.1.2.8 External Lighting & Small Power Supply Services	1 Item				
9	1.3.1.2.9 Construction of Control & Other Buildings					
	Site Office at Monaragala	1 Item				
10	1.3.1.2.10 Miscellaneous Work	1 Item				
B	1.3.2 INSTALLATION					
	Erection, Installation and commissioning of structures Plant & Equipment specified in the clause 1.2 of Employer's Requirements					
	Siyabalanduwa Grid Substation	1 item				
	Monaragala Grid Substation	1 Item				
	Other Grid Substations	1 Item				
C	1.3.3 OTHER SERVICES					
	1.3.3.1 Transport	1 Lot				
	1.3.3.2 Living Accommodation	1 Lot				
D	1.3.4 TRAINING					
	Substation Automation for offered new SAS: Training for new SAS Substation Automation System, covering the module given in 14.2.6 Training module No. 06.	1 Lot				
	Couse fee					
	Other Cost					

Schedule No. 5: Grand Summary

General Summary		Total		
		Local	Foreign	
		LKR	Currency	CIP
Schedule 1	Plant and Mandatory Spare Parts Supplied from Abroad			
Schedule 2	Plant and Mandatory Spare Parts Supplied from Within the Employer's Country			
Schedule 3	Design Services			
Schedule 4	Civil Works, Installation and Other Services			
Grand Total				

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Schedule No. 6: Recommended Tools and Spare Parts

Item	Description	Qty	Unit Price		Total Price	
			EXW Local Parts Local Currency	CIP Imported Parts Foreign Currency	Local Currency Portion	Foreign Currency Portion
1	2	3	4	5	6 = 3 x 4	7 = 3 x 5
TOTAL						

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