Government of Democratic Socialist Republic of Sri Lanka

Ministry of Power

CEYLON ELECTRICITY BOARD

 $\begin{array}{c} Request\ for\ Proposals\\ Development\ of\ 100\ MW_{AC}\ Solar\ PV\ Power\ Plant\ on\ Build,\\ Own\ and\ Operate\ (BOO)\ Basis\ and\ Construction\ of\ 132\ kV\\ Transmission\ Facility\ on\ Turnkey\ Basis \end{array}$

REQUEST FOR PROPOSALS
(APPENDIX 2-B)
PRICE SCHEDULES (GRID SUBSTATION)

APPENDIX 2-B

SHEDULES OF RATES AND PRICES (GRID SUBSTAION)

Information Copy. Not for Bidding

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Information Copy. Not for Bidding

PREAMBLE

General

1. The Price Schedules are divided into separate Schedules as follows:

Schedule No. 1: Plant and Mandatory Spare Parts Supplied from Abroad Schedule No. 2: Plant and Mandatory Spare Parts Supplied from within the

Employer's Country

Schedule No. 3: Design Services

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

Schedule No. 5: Grand Summary

Schedule No. 6: Recommended Tools and Spare Parts

- 2. The Schedules do not generally give a full description of the plant to be supplied and the services to be performed under each item. Bidders shall be deemed to have read the Employer's Requirements and other sections of the RFP document and reviewed the Drawings to ascertain the full scope of the requirements included in each item prior to filling in the rates and prices. The entered rates and prices shall be deemed to cover the full scope as aforesaid, including overheads and profit.
- 3. If Bidders are unclear or uncertain as to the scope of any item, they shall seek clarification in accordance with the conditions of the RPF document.

Schedule No. 1: A. Plant and Mandatory Spare Parts Supplied from Abroad

Sche	dule No. 1: A. Plant	and Man	datory Spare	Parts S	Supplied t	rom Abroad	
				Uni	t Price	Total Price	Taxes and Duties
Item	Description	Country of Origin	Quantity	Foreig n Curre ncy	CIP	Foreign Currency	Local Currency
1	2	3	4	5	6	7 = 4 x 6	8
1.2.1	SIYABALANDUWA GRID	SUBSTATI	ON				
Α	1.2.1.1 Outdoor Switchge	ar					
1	1.2.1.1.1 02 Nos. 14	5kV Line k	pays for Monai	ragala			
	Single phase current transformers		6 Nos.				
	Three phase line disconnector with earthing switch		2 Nos.		Sidi		
	Single phase CVT		6 Nos.				
	Single phase surge arresters with counters		6 Nos.	, (O			
	Set of accessories		2 Lots				
2	1.2.1.1.2 02 Nos. 14	5kV Trans	former bays	,			
	Single phase surge arresters with counters		6 Nos.				
	Neutral current transformer	()	2 Nos.				
	Set of accessories		2 Lots				
3	1.2.1.1.3 02 Nos. 36	kV Transf	ormer Bays				
	Single phase surge arresters with counters) `	6 Nos.				
	Set of cable connection between indoor switchgear and outdoor equipment		2 Lots				
	Connections, connectors, clamps, and access ladders etc. including connections to transformer 36kV bushings.		2 Lots				
4	1.2.1.1.4 08 Nos. 36	kV Genera	ator Feeder Ba	ys			
	Single phase surge arresters with counters		24 Nos.				
	Three phase feeder disconnector		8 Nos				
	Set of accessories		8 Lots				

				Uni	it Price	Total Price	Taxes and Duties
Item	Description	Country of Origin	Quantity	Foreig n Curre ncy	CIP	Foreign Currency	Local Currency
1	2	3	4	5	6	7 = 4 x 6	8
	Set of cable connection between indoor switchgear and outdoor equipment		8 Lots				
5		kV Auxilia	ry Transforme	r Bays			
	Set of cable connection between indoor LVAC switchgear and LVAC cable box		2 Lots			1100	
	Set of accessories		2 Lots			70,	
6	1.2.1.1.6 02 Nos. of	36kV, 800	A/30s Earthing	Transfo	ormer bays	10	
	Neutral current transformer		2 Nos.)	
	Outdoor equipment including set of connections, connectors, clamps, structures, access ladders etc. to connect 36kV outdoor busbars and neutral current transformers		2 Lots	40			
В	1.2.1.2 SF ₆ INSULATED INI	DOOR SWI	TCHGEAR	I			
1	1.2.1.2.1 02 Nos. 36	kV Transfo	ormer bays				
	Three phase busbars		2 Sets				
	Three phase busbar disconnector with earth switch		2 Nos.				
	Three phase circuit breaker		2 Nos.				
	Single phase current transformers		6 Nos.				
	Single phase VT		6 Nos.				
	Cable termination and accessories specified		2 Lots				
	Set of miscellaneous items		2 Lots				
2		kV Genera	itor Feeder bay	/S	<u> </u>	<u> </u>	
	Three phase busbars		8 Sets				
	Three phase busbar disconnector with earth switch		8 Nos.				

				Unit	Price	Total Price	Taxes and Duties
Item	Description	Country of Origin	Quantity	Foreig n Curre ncy	CIP	Foreign Currency	Local Currency
1	2	3	4	5	6	7 = 4 x 6	8
	Three phase circuit breaker		8 Nos.				
	Single phase current transformers		24 Nos.				
	Single phase VT		24 Nos.				
	Cable termination and accessories specified		8 Lots			A	
	Set of miscellaneous items		8 Lots			100	
3	1.2.1.2.3 01 No. 36k	V Bus Sec	tion bay			3. **	
	Three phase busbars		1 Set		20		
	Three phase circuit breaker		1 No.		$oldsymbol{\lambda}$		
	Three phase disconnector with earth switch		2 Nos.	XO			
	Single phase current transformers		3 Nos.				
	Single phase VT		6 Nos.				
	Set of miscellaneous items		1 Lots				
С	1.2.1.3 LVAC SWITCH BOA						
1	1.2.1.3.1 400V Mair	switchbo	ard	1 1			
	Busbars (3 Phases, Neutral and Earth)		1 Set				
	4pole MCCBs		9 Nos.				
	Equipment required for interlocking and automatic switch over		1 Set				
	Indicator lamps		3 Sets				
	Ammeters		3 Nos.				
	Voltmeters		3 Nos.				
2	1.2.1.3.2 400V Distribution Panel		1 Lot				
D	1.2.1.4 BATTERIES, CHARG			ARDS & II	NVERTER E	QUIPMENT	
1	1.2.1.4.1 110V Batto	ery Systen		1 1			
	Ni-Cd Battery Bank		2 Nos.				
	Charging Equipment		2 Sets				
	Selector Switch		1 No.				
	DC Distribution board		1 Set				

				Uni	t Price	Total Price	Taxes and Duties
Item	Description	Country of Origin	Quantity	Foreig n Curre ncy	CIP	Foreign Currency	Local Currency
1	2	3	4	5	6	7 = 4 x 6	8
	Set of miscellaneous		1 Lot				
	items				6 .1	1.0071/0	
2		stem for s	Substation Au	tomation	System an	d CCTV Systen	n
	Inverters with automatic load transfer facility		2 Nos.				
3	1.2.1.4.3 48V DC Sys	stem					
3	Galvanically Isolated DC - DC converters	Stem	2 Nos			~C	
	48V DC distribution board		1 Set			7911	
4	1.2.1.4.4 Roof- Top Solar PV System		1 Lot		Q		
E	1.2.1.5 PROTECTION, MET	ERING, M	ONITORING A	ND CONT	ROL		
1	1.2.1.5.1 Substati on Automation System (each individual item shall be priced)		1 item	70°	ζO.		
	Industrial Station Computers, monitors, keyboard, mouse and mounting rack		2 Nos				
	Industrial Ethernet Switches used for IEC 61850 with fiber interfaces	101	1 Lot				
	Industrial Gateway)	1 Lot				
	GPS, Modem with firewall		1 Lot				
	Engineering workstation and other accessories		1 Lot				
	Remote Operator Workstation		1 Lot				
	Licenses and software for SAS		1 Lot				
	Fiber optic cables, Ethernet cables and other accessories		1 Lot				
2	1.2.1.5.2 Digital Dis	turbance F	Recorder Syste	em and Po	ower Quali	ty Analyzer	
	Digital Disturbance Reco	rder with	Analysis Com	puters			
	Digital Disturbance Recorder		1 No.				

				Unit	t Price	Total Price	Taxes and Duties
Item	Description	Country of Origin	Quantity	Foreig n Curre ncy	CIP	Foreign Currency	Local Currency
1	2	3	4	5	6	7 = 4 x 6	8
	Remote analysis computer		1 No.				
	Local analysis computer		1 No.				
	Power Quality Analyzer			1 1			
	Power Quality Analyzing Equipment		1 No.				
	Accessories to connect Current and Voltage Circuit		1 Lot		*	ind	
	Local analysis computer		1 No.)	
3	1.2.1.5.3 145kV Pro	tection &	Control facilit	ies	0	_	
	1.2.1.5.3.1 145kV Line bays		2 Nos.	40			
	1.2.1.5.3.2 145kV Transformer bays		2 Nos.	X			
4	•	ection & C	ontrol facilitie	es		1	
	1.2.1.5.4.1 36kV Generator Feeder bays		8 Nos.				
	1.2.1.5.4.2 36kV Transformer bays		2 Nos.				
	1.2.1.5.4.3 36kV Bus Section bay		1 No.				
	1.2.1.5.4.4 Station Alarm and Annunciation		1 Lot				
5	1.2.1.5.5 Energy Metering Panels		1 Lot				
F	1.2.1.6 COMMUNICATION	I EQUIPMI	ENT AND SCAI	DA GATEV	VAYS/RTU	s	•
	1.2.1.6.1 Fiber Optic Multiplexer at Siyabalanduwa		1 Lot				
	1.2.1.6.2 Required SCADA for Siyabalanduwa Substation (Industrial gateway system is		1 Lot				
	included in 1.2.1.5.1) 1.2.1.6.3 Required SCADA for Siyabalanduwa Solar		1 Lot				
	Power Station			1 1			

				Un	it Price	Total Price	Taxes and Duties
Item	Description	Country of Origin	Quantity	Foreig n Curre ncy	CIP	Foreign Currency	Local Currency
1	2	3	4	5	6	7 = 4 x 6	8
	1.2.1.6.4 Modifica tions required at Monaragala		1 Lot				
G	1.2.1.7 SUBSTATION EARTHING		1 Lot				
н	1.2.1.8 LIGHTNING PROTECTION SYSTEM		1 Lot				
ı	1.2.1.9 GROUNDING SYSTEM		1 Lot			1100	
J	1.2.1.10 POWER AN	ND CONTR	OL CABLES			70,,	
1	1.2.1.10.1 36kV Powe	er cables a	ınd terminatioı	ns		10	
	Between Power transformer and 36kV indoor switchgear		2 Lots		*O!	2	
	From switchgear panels to outdoor gantries for Generator feeders.		8 Lots	40			
2	1.2.1.10.2 All LVAC power cables and terminations.		1 Lot	Ť			
3	1.2.1.10.3 All DC power and control cables and terminations.	\(\)	1 Lot				
4	1.2.1.10.4 All cables required for Protection, Control, Instrumentation, Communication, SCADA and termination.	ijo	1 Lot				
5	1.2.1.10.5 All cables required for station lighting, small power, fire protection, ventilation equipment.		1 Lot				
K	1.2.1.11 TRANSFOR	RMERS					
	Power Transformer		2 Nos.				
	Auxiliary Transformer		2 Nos.				
	Earthing Transformer		2 Nos.				
	Fire protection system		1 Lot.				
L	1.2.1.12 DIESEL GENERATOR SYSTEM		1 Lot				

				Uni	t Price	Total Price	Taxes and Duties
Item	Description	Country of Origin	Quantity	Foreig n Curre ncy	CIP	Foreign Currency	Local Currency
1	2	3	4	5	6	7 = 4 x 6	8
М	1.2.1.13 SUPPOR TING STRUCTURES INCLUDING GANTRIES		1 Lot				
N	1.2.1.14 MARSHA LLING KIOSK		1 Lot				
О	1.2.1.15 MISCELL ANEOUS WORKS		1 Lot			A	
Р	1.2.1.16 SPARE PARTS *						
Q	1.2.1.17 TOOLS AND INSTRUMENTS *					<u> </u>	
				4			
1.2.2	MONARAGALA GRID SU	BSTATION		٤O			
Α	1.2.2.1 Outdoor Switchge			<u> </u>			
1	1.2.2.1.1 145kV Sing	gle busbar	system	<u>)</u>			T
	2000A, 31.5kA, 145kV three phase tubular bus bars with post insulators		2 Sets				
2	1.2.2.1.2 02 Nos. 14	5kV Line l	oays for Siyaba	landuwa			L
	Three phase busbar disconnector		2 Nos.				
	Three phase circuit breaker		2 Nos.				
	Single phase current transformers		6 Nos.				
	Three phase line disconnector with earthing switch		2 Nos.				
	Single phase CVT		6 Nos.				
	Single phase surge arresters with counters		6 Nos.				
	Set of accessories		2 Lots				
В	1.2.2.2 LVAC SWITCH BOA	ARDS		1			T
	Modifications to the LVAC switch boards		1 Lot				
С	1222 DATTEDICS CHAP	SEDS DIST	DIBLITION DO	י פיסטע	NIVEDTED E	OLUDNAENT	
	Modifications to the DC	זכעס, טוסו	1 Lot	ן אַ כּעחי	INVERIEKE	QUIPIVIENI	
<u> </u>	distribution boards]			<u> </u>

				Un	it Price	Total Price	Taxes and Duties
Item	Description	Country of Origin	Quantity	Foreig n Curre ncy	CIP	Foreign Currency	Local Currency
1	2	3	4	5	6	7 = 4 x 6	8
D	1.2.2.4 PROTECTION, MET	ERING, M	ONITORING AN	ND CON	ΓROL		
1	1.2.2.4.1 Modificati	ons to Sul	station Autom	nation Sy	stem		
	Engineering Workstation (EWS) with two 27" Monitors		1 No.				
	Industrial type layer 2 Manageable Gigabit Ethernet Switches and other accessories		1 No.			.,.0	
	Next-Generation Firewalls and other accessories		1 No.			ddill	
	Industrial type layer 2 Manageable Ethernet Switch		2 Nos.		~ (
	Option 1: Testing and commissioning of substation automation system. Option 2: Modifications		1 Lot	70°	<i>KO.</i>		
	to existing Substation Automation System. This item is subjected to the Employer's approval.		1 Lot				
2	1.2.2.4.2 145kV Pro	tection &	Control facilitie	es			
	1.2.2.4.2.1 145kV						
	Line bays	.0	2 Nos.				
E	1.2.2.5 COMMUNICATI ON EQUIPMENT AND SCADA GATEWAYS/RTUS MODIFICATIONS						
F	1.2.2.6 SUBSTATION EARTHING		1 Lot				
G	1.2.2.7 LIGHTNING PROTECTION SYSTEM		1 Lot				
н	1.2.2.8 GROUNDING SYSTEM		1 Lot				
I	1.2.2.9 POWER AND CON	TROL CAB	LES	•			
1	1.2.2.9.1 All LVAC power cables and terminations.		1 Lot				
2	1.2.2.9.2 All DC power and control cables and terminations.		1 Lot				

				Uni	it Price	Total Price	Taxes and Duties
Item	Description	of Origin C	Foreig n Curre ncy	CIP	Foreign Currency	Local Currency	
1	2	3	4	5	6	7 = 4 x 6	8
3	1.2.2.9.3 All cables required for Protection, Control, Instrumentation, Communication, SCADA and termination.		1 Lot				
4	1.2.2.9.4 All cables required for station lighting, small power, fire protection, ventilation equipment.		1 Lot			ing	
J	1.2.2.10 SUPPOR TING STRUCTURES INCLUDING GANTRIES		1 Lot	¢0	Bir		
К	1.2.2.11 MARSHA LLING KIOSK		1 Lot				
L	1.2.2.12 MISCELL ANEOUS WORKS		1 Lot				
М	1.2.2.13 SPARE PARTS *		7				
N	1.2.2.14 TOOLS AND INSTRUMENTS *						
	, io						

Item	Description ¹	Country	Quantity	Unit Pr	ice ^a	Total Price ^a	Taxes and Duties
	·	Origin	,	Foreign Currency	CIP	Foreign Currency	Local Currency
1	2	3	4	5	6	7 = 4 x 6	8
	IDATORY SPARE PARTS, T .16, 1.2.1.17, 1.2.2.13, 1.2.2.		ND INSTRUM	ENTS			
A	COMMUNICATION EQUIP	MENT					
	Optical Multiplexer						
	Power Supply Module		1 No.				
	CPU Module		1 No.			Ò	
	Optical Interface Module		1 No				7
	FXS Interface module		1 No				
	Differential Protection Interface module		1 No			100	
	Tele protection Interface module (with connection cables)		1 No	(O'	V	
	Ethernet Interface module (L2 & L3)		1 No	, o'			
	Connection Cable set for each module		1 Lot	1			
	SFP L 1.1		1 No	<u> </u>			
	SFP 1.25 Gbit/s		1 No.				
	Gateway					1	
	Two numbers (02 Nos) of each Interface modules with cables and accessories for Gateway.	ilo,	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				
			1 No	1			
	Instruments Optical Multiplexer configuration software installed in a Local Craft Terminal (Utility grade		1 No				

Item	Description ¹	Country of Quantity 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		
В	SUBSTATION AUTOMATIC	ON SYST	EM						
	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.			. 7			
	GPS Time Server with Antenna		1 No.			2//			
	Ethernet Switch (Station Level)		1 No.	<	8//				
	Hooter		1 No.						
	Firewall		1 No.	80					
	LED Clock Display		1 No.	1					
	Tools		4						
	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 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
					0)
					79,,	
)	
				40		
				(O)		
			X			
			40			
TOTAL	Column 5 to be comind to would to Color	dula Na. 5. Ous	d Communication			
IOTAL	Column 5 to be carried forward to Scheo	dule No. 5. Gran	a Summary			

Name of Bidder		
anature of Ridder		

Schedule No. 3: Design Services

		Unit	Qty.	Unit Price ¹		Total Price ¹	
Item	Description			Local Currency Portion	Foreign Currency Portion	Local Currency Portion	Foreign Currency Portion
1	2	3	4	5	6	7 = 4 × 5	8 = 4 × 6
1.1	Construction of Monaragala Grid Design and Liaison of Works	Substa	tion and	d Siyambala	naduwa Col	lector Susta	tion

	Name of Bidder	0.
	Signature of Bidder	
	40t	
Ko		
Cok		
FORMation		
cormo		
ILIO,		

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

Item	Sche	dule No. 4: Civil Works, Instal	<u>llation, Otl</u>	ner Servic	es and Tra	ining	
Local Foreign Currency Portion Currence Portion Currence Portion Currence Portion Currence Por				Unit	Price	Total	Price
1.3.1 SIVABALANDUWA GRID SUBSTATION 1 1.3.1.1 Preliminary Works Site Survey 1 Item Sub Soil Investigations 1 Item	Item	Description ¹		Currency	Currency	Currency	Currency
1.3.1.1 SIVABALANDUWA GRID SUBSTATION	1	2	3	4	5	6 = 3 x 4	7 = 3 x 5
1.3.1.1.1 Preliminary Works		1.3.1 CIVIL WORKS					
1.3.1.1.1 Preliminary Works							
Site Survey	A1	1.3.1.1 SIYABALANDUWA GRID SUBS	TATION				
Sub Soil Investigations 1 I Item 2 1.3.1.1.2 Site Clearing Cutting and removing trees, shrubs & boulders 3 1.3.1.1.3 Site formation and up keeping Cutting & filling earth 1 I Item Rock Excavation 1 Item Rock Excavation 50m³ 50m³ 50m³ 150m³ 200m³ Som³ Rock volume < 50m³ 50m³ 50m³ 50m³ 150m³ 200m³ Som³ Rock volume < 1000m³ 500m³ Earth retaining structures 1 Item 1.3.1.1.4 Cable Trenches & Ducts 1.3.1.1.5 Foundations For take-off structures 8 switchgear For Main Power Transformers & I Item 1.3.1.1.6 Lightning protection system 1.3.1.1.7 Water Supply & Drainage System Water supply system 1 Item 1.3.1.1.7 Water Supply & Drainage System 1 Item 2.3.1.1.8 Construction & Maintenance of Roads Approach road (under developer's scope) Access road 1 Item 1 Item 1.3.1.1.8 Construction & Maintenance of Roads Access road 1 Item 1 Item 1.3.1.1.8 Construction & Maintenance of Roads Access road 1 Item 1 It	1	1.3.1.1.1 Preliminary Works					
2 1.3.1.1.2 Site Clearing Cutting and removing trees, shrubs & boulders 1 Item		Site Survey	1 Item				
Cutting and removing frees, shrubs & boulders 3 1.3.1.1.3 Site formation and up keeping Cutting & filling earth		Sub Soil Investigations	1 Item			-0	
Shrubs & boulders 3 1.3.1.1.3 Site formation and up keeping Cutting & filling earth 1 Item Rock Excavation 1 Item Rock volume < 500m³ 50m³ 50m³ 200m³ Som³-Rock volume < 200m³ 300m³ 300m³ 500m³ 500m³ 800m³ Rock volume < 1000m³ 500m³ 100m³ 100m° 100m	2	1.3.1.1.2 Site Clearing		l .		111	
3 1.3.1.1.3 Site formation and up keeping Cutting & filling earth			1 Itam			70,	
Cutting & filling earth 1 I Item Rock Excavation 1 I Item Rock Volume < 50m³ 50m³ 50m³ 50m³ 300m³ 150m³ 300m³ 300m³ 300m³ 300m³ 500m³ Rock volume < 200m³ 150m³ 300m³		shrubs & boulders				0	
Rock Excavation 1 Item Rock volume < 50m³ 50m³ Som³ <rock &="" (under="" 1="" 1.3.1.1.4="" 1.3.1.1.5="" 1.3.1.1.6="" 1.3.1.1.8="" 1000m³="" 150m³="" 200m³="" 200m³<rock="" 300m³="" 4="" 5="" 500m³="" 7="" 8="" <="" access="" anti="" approach="" auxiliary="" cable="" chipping="" construction="" developer's="" drainage="" earth="" earthing="" for="" foundations="" item="" item<="" lightning="" main="" maintenance="" of="" power="" protection="" retaining="" road="" roads="" scope)="" sewerage="" soil="" som³<rock="" structures="" supply="" surface="" system="" take-off="" termite="" th="" transformers="" treatment="" trenches="" volume="" waste="" water=""><th>3</th><th>1.3.1.1.3 Site formation and up</th><th>keeping</th><th>T</th><th><u> </u></th><th></th><th>T</th></rock>	3	1.3.1.1.3 Site formation and up	keeping	T	<u> </u>		T
Rock volume < 50m³ 50m³ 50m³ 150m³ 200m³ 200m³ <rock 200m³="" 300m³="" 500m³<br="" <="" volume=""></rock> 500m³ <rock 1000m³="" 300m³="" 30m³="" 3<="" 500m³="" <="" th="" volume=""><th></th><th>Cutting & filling earth</th><th>1 Item</th><th></th><th></th><th></th><th></th></rock>		Cutting & filling earth	1 Item				
Som3< Rock volume 200m3 150m3 200m3< Rock volume 500m3 300m3 300m3 500m3< Rock volume 1000m3 500m3 500m3 Earth retaining structures 1 Item		Rock Excavation	1 Item		ķΟ'		
200m³ 200m³200m³							

				Unit	Price	Total	Price
Item		Description ¹	Quantit y	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 f operable gate	ence and remotely	1 Item				
	Barbed wire	e fence and gate	1 Item				
10	1.3.1.1.10 Small Power	External Lighting & 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 bui	lding at Siyabalanduwa	1 Item			-0	
	Site Office	at Siyabalanduwa	1 Item				
	Temporary contractor's o	Works (Stores, access, iffices etc)	1 Item		60		
	House for [Diesel Generator	1 Item		(2)		
	Guard Roo	m	1 Item	<			
	Shed for ca	ar parking	1 Item	(O)			
13	1.3.1.1.13	Construction of Buildin	g Services	X			
	Air conditio	ning & ventilation system	1 Item	O			
	Fire protect	tion	1 item				
	Internal Lig supply service	hting & small power es	1 Item				
14	1.3.1.1.14	Miscellaneous Work	1 Item				
A2	1.3.1.2 MON	IARAGALA GRID SUBSTATI	ON				
1	1.3.1.2.1	Preliminary Works					
	Site Surv	vey C	1 Item				
	Sub Soil	Investigations	1 Item				
2	1.3.1.2.2 Site formation and up I		eeping	T	T	T	T
	Surface (1 Item				
3	1.3.1.2.3 Ducts	Cable Trenches &	1 Item				
4	1.3.1.2.4	Foundations	I.	I			l
	For take- switchgear	off structures &	1 Item				
5	1.3.1.2.5 system	Lightning protection	1 Item				
6	1.3.1.2.6	Water Supply & Draina	ge Syster	n			
	Surface	water drainage system	1 Item				
7	1.3.1.2.7	Fence, Gates and Bound	dary Wall	S			
	Chain link foperable gate	ence and remotely	1 Item				
		e fence and gate	1 Item				

				Unit	Price	Total	Price
Item		Description ¹	Quantit y	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 Small Power	External Lighting & Supply Services	1 Item				
9	1.3.1.2.9	Construction of Control	& Other	Buildings			
	Site O	ffice at Monaragala	1 Item				
10	1.3.1.2.10	Miscellaneous Work	1 Item				
						Ó	
В	Erection, Inst commissionir Equipment sp	callation and and and and and and and and and an			,8	ddiff	
	Siyabalanduv	wa Grid Substation	1 item		ķΟ'		
	Monaragala (Grid Substation	1 Item	Š	•		
	Other Grid St	ubstations	1 Item	40			
С	1.3.3 OTHI	ER SERVICES					
	1.3.3.1 Trans	sport	1 Lot				
	1.3.3.2 Livin	g Accommodation	1 Lot				
D	_	NING	\mathcal{O} ,				
	SAS: Training Automation S	utomation for offered new g for new SAS Substation System, covering the n in 14.2.6 Training 166.	1 Lot				
	Couse fee Other Cost	-100					

Schedule No. 5: Grand Summary

Schedule No. 5: Grand Summary						
			Total			
	General Summary	Local	Fo	reign		
		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	**	Ó			
Schedule 4	Civil Works, Installation and Other Services	Giddly				
Grand Total		ior V				
	Hormation					
No.						

Schedule No. 6: Recommended Tools and Spare Parts

			Unit	Price	Total	Price
Item	Description	Qty	EXW Local Parts Local Currency	CIP Imported Parts Foreign Currency	Local Currency Portion	Foreign Currenc Portion
1	2	3	4	5	6 = 3 x 4	7 = 3 x 5
		.007	, Not	TOTAL	ding	
	Sormation		Name of Bidder			