Project Manager
Mullikulam Wind Power
Transmission Project
Ceylon Electricity Board

ADDENDUM NO. 02

Schedules for Rates and Prices in Section 4- Bidding Forms of Volume 2 of 8 of the Bidding Document.

Quantities of following items of **Schedules for Rates and Prices in Section 4-Bidding Forms of Volume 2 of 8** in Bidding Document advertised on October 9, 2025 are as follows.

Schedule 1

Item No	Description	Unit	Qty.	Unit Price[1]			Total Price[1]	Taxes & Duties
				Foreign Currency	FOB	CIP	CIP	Local Currency
1	2	3	4	5	6	7	8 = 4 × 7	9
1.1	ACSR/AS Zebra Conductor	km	340					
1.2	Optical Fibre Ground Wire (OPGW) including Joint boxes, terminal boxes, OFAC conductors, clamps and other accessories	km	56					

Schedule 4

Item	Description		Qty.	Unit Price1		Total Price1		
				Local Currency Portion	Foreign Currency Portion	Local Currency Portion	Foreign Currency Portion	
1	2	3	4	5	6	7 = 4 × 5	8 = 4 × 6	
1.2.6	S4A	Nos	04					
1.4.6	S4A	Nos	03					
2.1	Supply and application of a complete duplex protective painting system for steel transmission structures, including: Anticorrosive epoxy primer, Intermediate coat of	Nos	80					

	high-build, micaceous iron oxide-pigmented, polyamide-cured, recoatable epoxy, Top coat of weather-resistant, high-build aliphatic acrylic polyurethane, All necessary thinners and additives, All in strict accordance with CEB Specification for Paint for Duplex Coating System, including surface preparation, material handling, mixing, application by brush/spray, and curing as per manufacturer's guidelines.							
3.1	Stringing Conductors, earthwires, OPGW including insulator string sets and other hardware followed by Tensioning & Sagging (including dismantling of existing arrangement and connecting Nannar-Nadukuda 220kV line to new line bay at Mannar GS	Km route	28					
5.1	Preliminary Survey (utilized as per the Employer's Requirement)	km	28					
5.2	Profile and Contour Survey	km	28					

Under this Addendum No. 02 **Schedules for Rates and Prices in Section 4- Bidding Forms of Volume 2 of 8** of the Bidding Document is amended as follows incorporating clarifications made under pre-bid meeting minutes dated October 29, 2025, Clarification Set No.1 dated November 4, 2025, and Clarification Set No. 2 dated 2025;

SCHEDULES FOR RATES AND PRICES

Schedule No 1 - Plant and Mandatory Spare Parts Supplied from Abroad

Item No	Description	Unit	Qty.	Unit Price[1]			Total Price[1]	Taxes & Duties
				Foreign Currency	FOB	CIP	CIP	Local Currency
1	2	3	4	5	6	7	8 = 4 × 7	9
A.1	CONSTRUCTION OF 220kV TRANSMISSION LINE FROM MANNAR GRID SUBSTATION TO MULLIKULAM COLLECTOR GRID SUB STATION							
1	**Supply of Conductors including joints and jumper leads**							
1.1	ACSR/AS Zebra Conductor	km	320					
1.2	Optical Fibre Ground Wire (OPGW) including Joint boxes, terminal boxes, OFAC conductors, clamps and other accessories	km	53					
2	**Supply of Insulator Sets and Fittings (for twin Zebra arrangement)**							
2.1	Normal suspension insulators including armour rods (Anti fog type insulators with silicon (RTV) coating)	Set	318					
2.2	Double tension insulators (Anti fog type insulators with silicon (RTV) coating)	Set	324					
2.3	Jumper suspension insulators (Anti fog type insulators with silicon (RTV) coating)	Set	36					
2.4	Heavy suspension insulators including armour rods (Anti fog type insulators with silicon (RTV) coating)	Set	36					
2.5	Light duty tension Insulator (Anti fog type insulators with silicon (RTV) coating)	Set	12					
2.6	Inverted Light duty tension Insulators (Anti fog type insulators with silicon (RTV) coating)	Set	12					

Item No	Description	Unit	Qty.	Unit Price[1]			Total Price[1]	Taxes & Duties
				Foreign Currency	FOB	CIP	CIP	Local Currency
1	2	3	4	5	6	7	8 = 4 × 7	9
A.1	CONSTRUCTION OF 220kV TRANSMISSION LINE FROM MANNAR GRID SUBSTATION TO MULLIKULAM COLLECTOR GRID SUB STATION							
3	**Hardware**							
3.1	**Vibration Dampers**							
3.1.1	- for ACSR Zebra conductor	Nos	4200					
3.1.2	- for OPGW	Nos	608					
3.2	**Suspension Set**							
3.2.1	- for OPGW including armour rods	Nos	112					
3.3	**Tension Set**							
3.3.1	- for OPGW	Nos	108					
3.4	**Earthing System**							
3.4.1	- Earthing Angle Set	Set	80					
3.5	**Bird Flight Diverters**							
3.5.1	- Fire Fly Type Bird Diverters	Nos	4500					
3.6	**Spacers**							
3.6.1	For Conductors	Nos	2400					
4	**Supply of Optical Fiber Equipment**							
4.1	Optical Fiber Patch Panels	Set	02					
5	**Supply of self-supporting towers for twin Zebra arrangement (Cost shall include complete tower with stubs, cleats, number plate, danger plates, phase plates, bird guards, anti-climbing devices and all accessories specified)**							
5.1	**Suspension towers TDL complete with all fittings (including supply of stubs and cleats)**							
5.1.1	TDL - 3	Nos	0					
5.1.2	TDL ± 0	Nos	11					
5.1.3	TDL + 3	Nos	13					
5.1.4	TDL + 6	Nos	6					
5.1.5	TDL + 9	Nos	18					

Item No	Description	Unit	Qty.	Unit Price[1]			Total Price[1]	Taxes & Duties
				Foreign Currency	FOB	CIP	CIP	Local Currency
1	2	3	4	5	6	7	8 = 4 × 7	9
A.1	CONSTRUCTION OF 220kV TRANSMISSION LINE FROM MANNAR GRID SUBSTATION TO MULLIKULAM COLLECTOR GRID SUB STATION							
5.1.6	TDL + 12	Nos	05					
5.1.7	TDL + 15	Nos	0					
5.1.8	TDL + 18	Nos	0					
5.2	**Tension towers TD1 type complete with all fittings (including supply of stubs and cleats)**							
5.2.1	TD1 - 3	Nos	0					
5.2.2	TD1 ± 0	Nos	0					
5.2.3	TD1 + 3	Nos	03					
5.2.4	TD1 + 6	Nos	01					
5.2.5	TD1 + 9	Nos	03					
5.2.6	TD1 + 12	Nos	01					
5.2.7	TD1 + 15	Nos	0					
5.2.8	TD1 + 18	Nos	01					
5.3	**Tension towers TD3 type complete with all fittings (including supply of stubs and cleats)**							
5.3.1	TD3 - 3	Nos	0					
5.3.2	TD3 ± 0	Nos	02					
5.3.3	TD3 + 3	Nos	05					
5.3.4	TD3 + 6	Nos	01					
5.3.5	TD3 + 9	Nos	0					
5.3.6	TD3 + 12	Nos	0					
5.3.7	TD3 + 15	Nos	0					
5.3.8	TD3 + 18	Nos	0					
5.4	**Tension towers TD6 type complete with all fittings (including supply of stubs and cleats)**							
5.4.1	TD6 – 3	Nos	0					

Item No	Description	Unit	Qty.	Unit Price[1]			Total Price[1]	Taxes & Duties
				Foreign Currency	FOB	CIP	CIP	Local Currency
1	2	3	4	5	6	7	8 = 4 × 7	9
A.1	CONSTRUCTION OF 220kV TRANSMISSION LINE FROM MANNAR GRID SUBSTATION TO MULLIKULAM COLLECTOR GRID SUB STATION							
5.4.1	TD6 - 3	Nos	0					
5.4.2	TD6 ± 0	Nos	03					
5.4.3	TD6 +3	Nos	03					
5.4.4	TD6 + 6	Nos	0					
5.4.5	TD6 +9	Nos	1					
5.4.6	TD6 + 12	Nos	0					
5.4.7	TD6 + 15	Nos	0					
5.4.8	TD6 + 18	Nos	0					
5.5	**Tension towers TD9/TDT type complete with all fittings (including supply of stubs and cleats)**							
5.5.1	TD9/TDT - 3	Nos	0					
5.5.2	TD9/TDT ± 0	Nos	02					
5.5.3	TD9/TDT + 3	Nos	0					
5.5.4	TD9/TDT + 6	Nos	0					
5.5.5	TD9/TDT + 9	Nos	0					
5.5.6	TD9/TDT + 12	Nos	0					
5.5.7	TD9/TDT + 15	Nos	0					
5.5.8	TD9/TDT + 18	Nos	0					
5.5.9	Modification work to existing TDT Tower and connection of new TDT tower to new line bay at Mannar 220/33 kV Grid Substation	Nos	01					
6	**Supply and Delivery of Tower Painting**							
6.1	Supply and delivery of all required paints (anticorrosive epoxy primer, High-build, micaceous iron oxide-pigmented, polyamide-cured, recoatable	Nos.	79					

	epoxy coating for mid-coat application, Weather-resistant, high-build, aliphatic acrylic polyurethane coating for topcoat application, and thinner) as per CEB Specification for Paint for Duplex coating system for Towers							
7.	**Supply and Delivery of Aircraft Warning System**							
7.1	Aircraft Warning Spheres	Nos	30					
7.2	Low Intensity Discharge lights as specified in Clause 9.3 of Chapter 9 under the Technical Specification.	Nos	24					
7.3	Low Intensity Discharge Obstacle light, Type B with Solar kit as specified in Clause 9.5 of Chapter 9 under the Technical Specification.	Nos	12					
TOTAL Column 8 to be carried forward to Summary Table								

Name of Bidder _____

Signature of Bidder _____

[1]Specify currency in accordance with ITB 19.1 of the BDS. Create additional columns for up to a maximum of three (03) foreign currencies if so required.

B. Mandatory Spare Parts

Item	Description	Unit	Qty.	Unit Price[1]			Total Price[1]	Taxes & Duties
				Foreign Currency	FOB	CIP	Unit Price	Local Currency
1	2	3	4	5	6	7	8 = 4× 7	9
B	MANDATORY SPARE PARTS							
1	**Conductors, Ground Wires and Towers**							
1.1	ACSR/AS Zebra	km	30					
1.2	OPGW drums having 5 km length on each drum	Nos	1					
1.3	OFAC Drums having 300 m length on each drum	Nos	1					
1.4	OFAC Conduits having 300 m length on each drum	Nos	1					
1.5	Joint Boxes (OPGWOPGW)	Nos	4					
1.6	Joint Boxes (OPGWOFAC)	Nos	4					
1.7	Complete Patch Panel Units	Nos	1					
1.8	Optical Transceiver	Nos	1					
1.9	Repair Sleeve for ACSR conductor	Nos	1					
2	**Insulators and Fittings- 220kV & 132 kV Transmission Line**							
2.1	Normal suspension insulator string for ACSR Zebra conductor	Set	30					
2.2	Double tension insulator string for ACSR Zebra conductor	Set	30					
2.3	Jumper suspension insulator string for ACSR Zebra conductor	Set	6					
2.4	Heavy suspension insulator string for ACSR Zebra conductor	Set	6					
2.5	Light duty tension Insulator string for ACSR Zebra conductor	Set	3					

Item	Description	Unit	Qty.	Unit Price[1]			Total Price[1]	Taxes & Duties
				Foreign Currency	FOB	CIP	Unit Price	Local Currency
1	2	3	4	5	6	7	8 = 4× 7	9
B	MANDATORY SPARE PARTS							
2.6	Inverted Light duty tension Insulator string for ACSR Zebra conductor	Set	3					
2.7	Vibration Dampers for ACSR Zebra	Nos	300					
2.8	Vibration Dampers for OPGW	Nos	30					
TOTAL Columns 8 to be carried forward to Grand Summary								

Name of Bidder _____

Signature of Bidder _____

Schedule No 1: Plant and Mandatory Spare Parts Supplied from Abroad Summary Table

Item	Description	Total [1]	Taxes & Duties
		Foreign	Local Currency
1	2	3	4
A	Plant and Mandatory Spare Parts Supplied from Abroad		
B	Mandatory Spare Parts		
	TOTAL Column 3 be carried forward to Grand Summary		

Name of Bidder _____

Signature of Bidder _____

[1] Specify currencies in accordance with ITB 19.1 Create additional columns for foreign currencies up to a maximum number of 3 foreign currencies if so required.

Country of Origin Declaration Form

Item	Description	Country

Schedule No 2 Plant and Mandatory Spare Parts Supplied 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						

Name of Bidder _____

Signature of Bidder

[1] 1 Specify currency in accordance with Bid Data Sheet 19.1

Schedule No 3 Design Services

Item	Description	Unit	Qty.	Unit Price[2]		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	
C.1	CONSTRUCTION OF 220kV TRANSMISSION LINE FROM MANNAR GRID SUBSTATION TO MULLIKULAM COLLECTOR GRID SUB STATION							
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 _____

[2] Specify currency in accordance with specifications in Bid Data Sheet under ITB 19.1.

Schedule No 4 Civil Works, Installation, Other Services and Testing

D. Civil Works

Item	Description		Qty.	Unit Price1		Total Price1		
				Local Currency Portion	Foreign Currency Portion	Local Currency Portion	Foreign Currency Portion	
1	2	3	4	5	6	7 = 4 × 5	8 = 4 × 6	
D1	CONSTRUCTION OF 220kV TRANSMISSION LINE FROM MANNAR GRID SUBSTATION TO MULLIKULAM COLLECTOR GRID SUB STATION							
1	**Foundations**							
1.1	**Suspension Type TDL Towers**							
1.1.1	S1	Nos	0					
1.1.2	S2	Nos	0					
1.1.3	S3	Nos	04					
1.1.4	S3A	Nos	09					
1.1.5	S4	Nos	08					
1.1.6	S4A	Nos	32					
1.1.7	S5	Nos	0					
1.1.8	S5A	Nos	0					
1.1.9	S6	Nos	0					
1.2	**Tension Type TD1 Towers**							
1.2.1	S1	Nos	0					
1.2.2	S2	Nos	0					
1.2.3	S3	Nos	01					
1.2.4	S3A	Nos	01					
1.2.5	S4	Nos	01					
1.2.6	S4A	Nos	06					
1.2.7	S5	Nos	0					
1.2.8	S5A	Nos	0					
1.2.9	S6	Nos	0					
1.3	**Tension Type TD3 Towers**							
1.3.1	S1	Nos	0					
1.3.2	S2	Nos	02					
1.3.3	S3	Nos	05					

Item	Description		Qty.	Unit Price1		Total Price1		
				Local Currency Portion	Foreign Currency Portion	Local Currency Portion	Foreign Currency Portion	
1	2	3	4	5	6	7 = 4 × 5	8 = 4 × 6	
D1	CONSTRUCTION OF 220kV TRANSMISSION LINE FROM MANNAR GRID SUBSTATION TO MULLIKULAM COLLECTOR GRID SUB STATION							
1.3.4	S3A	Nos	0					
1.3.5	S4	Nos	0					
1.3.6	S4A	Nos	1					
1.3.7	S5	Nos	0					
1.3.8	S5A	Nos	0					
1.3.9	S6	Nos	0					
1.4	**Tension Type TD6 Towers**							
1.4.1	S1	Nos	0					
1.4.2	S2	Nos	0					
1.4.3	S3	Nos	01					
1.4.4	S3A	Nos	01					
1.4.5	S4	Nos	01					
1.4.6	S4A	Nos	04					
1.4.7	S5	Nos	0					
1.4.8	S5A	Nos	0					
1.4.9	S6	Nos	0					
1.5	**Tension Type TD9/TDT Towers**							
1.5.1	S1	Nos	0					
1.5.2	S2	Nos	0					
1.5.3	S3	Nos	0					
1.5.4	S3 (Narrow Base Terminal Tower)	Nos	0					
1.5.5	S3A	Nos	0					
1.5.6	S4	Nos	0					
1.5.7	S4A	Nos	02					
1.5.8	S5A	Nos	0					
1.5.9	S6	Nos	0					
TOTAL Columns 7 and 8 to be carried forward to Summary Table								

E. Erection Works

Item	Description		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
E1	CONSTRUCTION OF 220kV TRANSMISSION LINE FROM MANNAR GRID SUBSTATION TO MULLIKULAM COLLECTOR GRID SUB STATION						
1	**Erection of towers with all fittings including earthing system**						
1.1	**Suspension Type TDL Towers**						
1.1.1	TDL - 3	Nos	0				
1.1.2	TDL ± 0	Nos	11				
1.1.3	TDL + 3	Nos	13				
1.1.4	TDL + 6	Nos	6				
1.1.5	TDL + 9	Nos	18				
1.1.6	TDL + 12	Nos	05				
1.1.7	TDL + 15	Nos	0				
1.1.8	TDL + 18	Nos	0				
1.2	**Tension Type TD1 Towers**						
1.2.1	TD1 - 3	Nos	0				
1.2.2	TD1 ± 0	Nos	0				
1.2.3	TD1 + 3	Nos	03				
1.2.4	TD1 + 6	Nos	01				
1.2.5	TD1 + 9	Nos	03				
1.2.6	TD1 + 12	Nos	01				
1.2.7	TD1 + 15	Nos	0				
1.2.8	TD1 + 18	Nos	01				
1.3	**Tension Type TD3 Towers**						
1.3.1	TD3 - 3	Nos	0				
1.3.2	TD3 ± 0	Nos	02				
1.3.3	TD3 + 3	Nos	05				
1.3.4	TD3 + 6	Nos	01				
1.3.5	TD3 + 9	Nos	0				

Item	Description		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
E1	CONSTRUCTION OF 220kV TRANSMISSION LINE FROM MANNAR GRID SUBSTATION TO MULLIKULAM COLLECTOR GRID SUB STATION						
1.3.6	TD3 + 12	Nos	0				
1.3.7	TD3 + 15	Nos	0				
1.3.8	TD3 + 18	Nos	0				
1.4	**Tension Type TD6 Towers**						
1.4.1	TD6 – 3	Nos	0				
1.4.2	TD6 ± 0	Nos	3				
1.4.3	TD6 +3	Nos	3				
1.4.4	TD6 + 6	Nos	0				
1.4.5	TD6 +9	Nos	1				
1.4.6	TD6 + 12	Nos	0				
1.4.7	TD6 + 15	Nos	0				
1.4.8	TD6 + 18	Nos	0				
1.5	**Tension Type TD9/TDT Towers**						
1.5.1	TD9/TDT - 3	Nos	0				
1.5.2	TD9/TDT ± 0	Nos	02				
1.5.3	TD9/TDT + 3	Nos	0				
1.5.4	TD9/TDT + 6	Nos	0				
1.5.5	TD9/TDT + 9	Nos	0				
1.5.6	TD9/TDT + 12	Nos	0				
1.5.7	Cross arm modification to TDT Tower at Mannar 220/33 kV Grid Substation and connection of Mannar-Nadhukuda line via new TDT tower to new line bay	Nos	1				
2	**Tower Painting with an appropriate paint coating with Epoxy Primer for corrosivity category of C5**						
2.1	Installation of duplex coating system on towers, including surface preparation (cleaning, priming), application of anti-corrosive epoxy primer,	Nos	79				

	micaceous iron oxide mid-coat, and weather-resistant polyurethane topcoat as per the Employer's Requirements and CEB Specifications						
3	**Stringing**						
3.1	Stringing of Conductors, earthwires, OPGW including insulator string sets and other hardware followed by Tensioning & Sagging (including dismantling of existing arrangement and connecting Mannar-Nadukuda 220kV line to new line bay at Mannar GS and installation of Fire Fly Type Bird Diverters)	Km route	26				
4	**Installation of Optical Fibre Patch Panel & OFAC**						
4.1	Installation of Optical Fibre Patch Panel & OFAC	Nos	02				
5	**Erection/ Labour for Aircraft Warning System**						
5.1	Installation of Aircraft Warning Spheres	Nos	30				
5.2	Installation of Low Intensity Discharge lights as specified in Clause 9.3 of Chapter 9 under the Technical Specification.	Nos	24				
5.3	Installation of Low Intensity Discharge Obstacle light, Type B with Solar kit as specified in Clause 9.5 of Chapter 9 under the Technical Specification.	Nos.	12				
6	**Route Survey**						
6.1	Preliminary Survey (utilized as per the Employer's Requirement)	km	26				
6.2	Profile and Contour Survey	km	26				
6.3	Soil Investigation	Lot	1				
TOTAL Columns 7 and 8 to be carried forward to Summary Table							

Name of Bidder

Signature of Bidder

F. OTHER SERVICES

Item	Description	Unit	Qty.	Local Amount (LKR)		Foreign Amount		
				Unit Price	Total Price	Currency	Unit Price	Total Price
1	2	3	4	5	6 = 4 × 5	7	8	9 = 4 × 8
1	**Accommodation for Employer's Personnel**							
1.1	Living Accommodation (01 Nos)	Lot	01					
2	**Site Office for Employer's Personnel**							
2.1	Site office	Lot	01					
3	**Miscellaneous prices for additional works required (as per the instructions of the Employer's Personnel)**							
3.1	Leg Extension	Ton	7					
3.2	Rates for galvanized steel works	Ton	7					
3.3	Counter poise 60 m set	Nos	60					
3.4	Additional Counterpoise	m	500					
3.5	Copper earth rods with accessories	Nos	100					
3.6	Additional earth excavation down to 2 m below ground and reinstatement	m^3	150					
3.7	Additional earth excavation greater than 2 m below ground and reinstatement	m^3	100					
3.8	Additional earth excavation greater than 2 m below ground and reinstatement with sand	m^3	50					
3.9	Rock excavation (blasting) and reinstatement (extra over earth excavation)	m^3	25					
3.10	Close timbering (left in)	m^2	500					
3.11	Close timbering (recovered)	m^2	500					
3.12	Power pumping, any pump up to 10,000 lit/hr	Pump hr	1000					
3.13	Power pumping, any pump above 10,000 lit/hr	Pump hr	1000					

Item	Description	Unit	Qty.	Local Amount (LKR)		Foreign Amount		
				Unit Price	Total Price	Currency	Unit Price	Total Price
1	2	3	4	5	6 = 4 × 5	7	8	9 = 4 × 8
3.14	Dry stone revetment	m^3	125					
3.15	Rubble Masonry walling set in cement mortar including lean concrete and providing weep hole, Aggregate filling and laying geo-textiles	m^3	200					
3.16	C 25 concrete for additional foundation work including shuttering	m^3	165					
3.17	C 15 concrete for additional foundation work including shuttering	m^3	20					
3.18	C 35 concrete with sulfate resisting cement for foundation work including shuttering	m^3	120					
3.19	Additional Mild steel or High yield steel reinforcement	Tons	25					
3.20	Hillside extension or other galvanized steel work	Tons	5					
3.21	Pre-cast reinforced concrete pile, driven or bored over 20 m including driving and joining accessories	m	250					
3.22	Surface water diversion drains 0.3 m wide by 0.6 m deep by concrete	m	50					
3.23	Painting (Including supply of Duplex Epoxy Paints for C5 Corrosivity Category) of 220 kV towers	Nos	2					

Item	Description	Unit	Qty.	Local Amount (LKR)		Foreign Amount		
				Unit Price	Total Price	Currency	Unit Price	Total Price
1	2	3	4	5	6 = 4 × 5	7	8	9 = 4 × 8
3.24	Construction of Gabion walls and Mattresses for construction of retaining walls, lining of channels, revetments, aprons and others. The gabion boxes shall be shaped with galvernized steel wire mesh cages. Geo-textiles shall be used for prevention of migration of fine soil particles, whilst allowing water to seep through them.	m^3	100					
3.25	Construction of 150mm cast insitu micro piles with casing, reinfocement, necessary testing	m	50					
3.26	chemical anchors using 25mm diameter reinfocemenct bars, approved high qualilty chemicals	m	125					
4	**Prices for Environmental Mitigation measures as per Scope of Works of Section 4A, Employer's Requirements**							
4.1	Environmental impact mitigatory measures as specified in Initial Environmental Examination and Environment Management Plan of Environment Impact Assessment report	Lot	1					
TOTAL Columns 6 and 9 to be carried forward to Grand Summary								

Name of Bidder

Signature of Bidder

[1]*Specify currency in accordance with specifications in Bid Data Sheet under ITB 19.1.*

G. TESTING

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	5= 4 × 5	6 = 4 × 6		
G	CONSTRUCTION OF 220kV TRANSMISSION LINE FROM MANNAR GRID SUBSTATION TO MULLIKULAM COLLECTOR GRID SUB STATION								
1.1	Boring in soil for 50 mm diameter undisturbed soil sample for laboratory testing (see Chapter 10) (Only for special type foundations)	m	100						
1.2	Laboratory soil test for locations	Nos	5						
1.3	% additional to item 1.1 to cover all overheads to be entered and extended by the Bidder if necessary	Item	1						
1.4	Cost for design test on straight line tower for 220 kV (with maximum extension)	No	1						
1.5	Cost for design test on angle tower for 220 kV TD3 (with maximum extension)	No	1						
1.6	Cost for destruction test on straight line tower for 220 kV (with maximum extension)	No	1						
1.7	Cost for destruction test on angle tower for 220 kV TD3 (with maximum extension)	No	1						
1.8	Preliminary test on pile	Item	1						
1.9	Bearing test on pile	Nos	1						
1.10	Uplift test on pile	Nos	1						
1.11	Fractured rock foundation full scale uplift test - S2	Nos	1						
1.12	Testing of rock anchors	Nos	1						
TOTAL Columns 5 and 6 to be carried forward to Summary Table									

Name of Bidder

Signature of Bidder

[1]Specify currency in accordance with specifications in Bid Data Sheet under ITB 19.1.

Schedule No 4: Civil Works, Installation, Other Services and Testing

Summary Table

Schedule No.	Title	Total [1]	
		Foreign Price	Local Price
1	2	3	4
D. Civil Works			
D1	Construction of 220kV Transmission Line From Mannar Grid Substation To Mullikulam Collector Sub Station		
Sub Total of Item D			
E. Installations			
E1	Construction of 220kV Transmission Line From Mannar Grid Substation To Mullikulam Collector Sub Station		
Subtotal of Item E			
F. Other Services			
G. Testing			
TOTAL Columns 3 and 4 to be carried forward to schedule No.5 Grand Summary Table (Subtotal D+E+F+G+H)			

Name of Bidder _____

Signature of Bidder _____

Specify currency in accordance with specifications in Bid Data Sheet under ITB 19.1.

Schedule No 5: Grand Summary

Schedule No.	Title	Total[1]	
		Local	Foreign
		LKR	Currency:.....
1	Plant and Mandatory Spare Parts Supplied from Abroad		
2	Plant and Mandatory Spare Parts Supplied from Within the Employer's Country		
3	Design Services		
4	Civil Works, Installation, Other Services and Training		
Grand Total to be carried forward to Letter of Price Bid			
SSCL (As applicable)			
VAT (As applicable)			
Total plus (+) SSCL plus (+) VAT			

Schedule No 6 Recommended Tools and Spare Parts

Note: Price adjustments for recommended spare parts are allowed only if ordered after the issuing of Taking Over Certificate.

Item	Description	Qty	Unit Price[3]		Total Price[1]	
			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		

Name of Bidder _____

Signature of Bidder

[3] *Specify currency in accordance with Bid Data Sheet 19.1.*

Schedule No 7 Day Works

No works whatsoever may be executed as day works, nor will payment be made for any Day works, except such works necessary are brought to the notice of the Employer and his agreement is received.

LABOUR

1. The contractor shall be entitled to the following payments in respect of labour employed on Dayworks:

   a)The aggregate amount of wages for such labour calculated on the actual hours worked at the wage rates set out in this Schedule.

   b)10 Percent of aggregate amount of wages calculated according to sub paragraph 1(a) above.

2. The percentage addition provided in sub paragraph 1(b) above shall cover Contractor's profit, on cost, superintendence, insurance and all allowances to labour, time keeping and all clerical and office work as well as the use of tools, timber, light equipment and non-mechanical equipment and all incidental charges whatever.

3. The "Normal working Day" as hereinafter referred to shall be taken to be of eight hours excluding meal breaks and rest periods.

4. In calculating the sums due to the Contractor for the execution of Dayworks, the hours for which payment shall be made for all personnel and the hire of all equipment shall be reckoned from the time of starting the particular item of day work, either at the beginning of or during the course of a normal working day to the end of the normal working day or the time of completion of the particular item of Daywork, whichever may be sooner. No payment shall be made for personnel or plant for hours outside the normal working day unless the said personnel and plant are employed on Dayworks outside the Normal Working Day on the written instruction of the Employer's Representative. The same Daywork rate shall apply for works done both during and outside the Normal Working Day.

5. On completion of any authorised Dayworks, a written statement shall be issued by the Employer's Representative who shall sign it together with the Contractor and which shall state the number of workmen and their grades involved in the Daywork, the number of hours worked and a detailed description of the Material used and the work carried out. A copy of this signed statement shall retained by the Employer's Representative and the Contractor and shall be the sole basis upon which payment for Dayworks will be made.

Day works Rate for Labour

Class of Labour	Normal working Day of 8 Hours Local LKR / Day
Local Labour	
Engineer	
Surveyor (on survey work only)	
Charge hand/ Overseer	
Linesman / Foreman	
Steel Erector	
Driver	
Skilled Labourers	
Unskilled Labourers	

Average	

Class of Labour	Foreign Currency (...../Day) Average
Expatriate Labour Senior Engineer Junior Engineer Surveyor (on survey work only) Steel Erector Charge hand / Overseer Linesman / Foreman	
Average	

6. Any other class of labour envisaged by Contractors for the execution of any Dayworks, except that covered by Paragraph 3 above, i.e. superintendence, etc., shall be entered above together with the appropriate labour rates, and such rates shall be the only rates considered in any Dayworks claim.
7. The labour rates to be entered above shall include all other benefits or contributions made by the employer such as contributions to Social Insurance Schemes, Annual Leave, Termination of Employment and Redundancy Law, Provident Fund, Health Schemes, etc., which are imposed either by Law or by agreement with Trade Unions.

EQUIPMENT AND TRANSPORT

8. The rates for hire of equipment and transport shall apply only to equipment, which the Contractor has on site, and are to apply for the actual running hours for which the equipment is employed on work.
9. The rates shall include service, operators and necessary attendants, fuel, lubricants and other consumable.
10. The contractor may insert additional items and quantities provided that such are extended and added into the total of the Schedule.

Item	Description	Unit	Qty	Local Transport & Erection				
				Local (LKR)		Foreign (CIF)		
				Unit Rate	Total	Currency	Unit Rate	Total
1	2	3	4	5	6 = 4 × 5	7	8	9 = 4 × 8
1	**LABOUR- Provisional sum for labour as described in paragraph 1 (a) above**							
1.1	Local	Man Days	250					
1.2	Expatriate	Man Days	100					

MATERIALS

11. The rates for materials shall apply to the net amount of materials actually provided, erected and forming part of the works and shall include for delivery to the site of operations.
12. The contractor may insert additional items and quantities provided that such are extended and added into the total of the schedule.

Item	Description	Unit	Qty	Local Transport & Erection				
				Local (LKR)		Foreign (CIF)		
				Unit Rate	Total	Currency	Unit Rate	Total
1	2	3	4	5	6 = 4 × 5	7	8	9 = 4 × 8
2	**EQUIPMENT**							
2.1	Welding set for two welders	hr.	25					
2.2	Acetylene cutting equipment	hr.	25					
2.3	Air compressor (180 m^3/hr. at 7 atmospheres) complete with hoses and tools	hr.	25					
2.4	Live line scaffolding complete for 1 existing line (excluding labour element)	weeks	20					
2.5	Tractor with winch	hr.	50					
2.6	Tractor without winch	hr.	50					
2.7	5-tonne lorry	hr.	50					
2.8	2-tonne lorry	hr.	50					
2.9	5-seater saloon car (or similar)	hr.	50					
2.10	a) Bulldozer (D6 or similar)	hr.	50					
	b) JCB	hr.	50					
2.11	2-wheel trailer (for use with tractor or lorry).	hr.	50					
2.12	Unimog	hr.	10					

2.13	Landrover, jeep or similar	hr.	50					
2.14	Pick-up Truck	hr.	50					
Item	Description	Unit	Qty	Local Transport & Erection				
				Local (LKR)		Foreign (CIF)		
				Unit Rate	Total	Currency	Unit Rate	Total
1	2	3	4	5	6 = 4 × 5	7	8	9 = 4 × 8
2.15	Mobile crane up to 6 tonne lift	hr.	50					
3	**MATERIAL**							
3.1	Cement (50 kg bags)	Nos.	400					
3.2	Sand at site	m^3	50					
3.3	Crushed stone (3/4" metal)	m^3	50					
3.4	Reinforcing steel	tonnes	10					
3.5	Structural ungalvanised mild steel sections	tonnes	10					
3.6	Welding rods	kg	30					
3.7	Sawn timber	m^2	100					
3.8	Imported material for backfill (supply at site) for compacted volume	m^3	500					
3.9	Rubble stones for foundation work (150-225 mm dia.)	m^3	150					
TOTAL Columns 6 and 9 to be carried forward to Grand Summary								

SUPERVISORY STAFF RATES

The following rates shall apply where, by agreement with the Employer's Representative, supervisory staff are employed on dayworks in a direct capacity, i.e. other in their normal supervisory capacity.

The rates also be used as a basis for assessing any legitimate claims for extra costs in accordance with the provisions of the Conditions of Contract, where these have not been claimed as dayworks.

No payment shall be made without the prior written authority of the Employer's Representative, and the provisions of the conditions of Contract shall apply to any claim for payment.

The Contractor shall insert in the following Schedule descriptions and rates for any clause of supervisory staff envisaged which are not already included.

Class of supervisory staff	Normal working Day of 8 Hours
Expatriate	**[Currency] / Day**
Senior Engineer Junior Engineer Surveyor Foreman	
Local	**LKR /Day**
Surveyor Foreman	

Schedule No 8 - Schedule of Major Items of Construction Plant

Description (Type, Model, Make)	No. of Each	Year of Manufacture	New or Used	Owned (O) Or Leased (L)	CIP Value	Est. Power Rating	Capacity Tonnes or m^3

Appendix 1

ADDITIONAL INFORMATION REQUIRED FROM THE BIDDERS RELATED TO PRICING FOR TOWERS

Following information shall be submitted by the bidders for the purpose of evaluating prices of tower and foundation submitted. Prices submitted will be evaluated based on either building schedule rates or highway schedule rate appropriate for the relevant area as applicable.

Tower Weights

Tower Type		Weight of a Tower (Tonne)
Tower	Body Ext.	
TDL	-3m	
	+0m	
	+3m	
	+6m	
	+9m	
	+12m	
	+15m	
	+18m	
TD1	-3m	
	+0m	
	+3m	
	+6m	
	+9m	
	+12m	
	+15m	
	+18m	
TD3	-3m	
	+0m	
	+3m	
	+6m	
	+9m	
	+12m	
	+15m	

	+18m	
TD6	-3m	
	+0m	
	+3m	
	+6m	
	+9m	
	+12m	
	+15m	
	+18m	
TDT/TD9	-3m	
	+0m	
	+3m	
	+6m	
	+9m	

Quantity Breakdown For Shallow Foundations

Tower Type	Foundation Type	Quantities Per One Isolated Foundation Including Chimney			
		Excavation (m^3)	Concrete (m^3)		Reinforcement (kg)
			C15	C25	
TDL	S2				
	S3				
	S3A				
	S4				
	S4A				
	S5				
	S5A				
TD1	S2				
	S3				
	S3A				
	S4				
	S4A				
	S5				
	S5A				

TD3	S2				
	S3				
	S3A				
	S4				
	S4A				
	S5				
	S5A				
TD6	S2				
	S3				
	S3A				
	S4				
	S4A				
	S5				
	S5A				
TDT/TD9	S2				
	S3				
	S3A				
	S4				
	S4A				
	S5				
	S5A				

Unit Prices for Structural Steel Works

Item Description	Unit	Unit Price
Cost for materials of steel angle, plates, nut and bolts	LKR/MT	
Machining Cost	LKR/MT	
Galvanizing Cost	LKR/MT	

Unit Prices for Foundation Works

Item Description	Unit	Unit Price

Excavation in ordnary soil	LKR/m^3	
Concrete - Including cost of raw material, mixing, transportation, placing, compaction and testing	LKR/m^3	
Reinforcement - Including structural steel, transportation, cutting, bending, placing and tying	LKR/MT	

Name of Project Proponent _____

Signature of Project Proponent _____