

Price Schedule (for supply of goods)

Currencies in accordance with ITB Clause 18								
							Date: _____	
							IFB No: _____	
							Alternative No: _____	
							Page No: _____ of _____	
1	2	3	4	5	6	7	8	9
Line Item N°	Description of Goods	Country of Origin	Quantity	Unit	Unit price (BTN)	Unit Price (Foreign currency)	Total Price per Line item (BTN)	Total Price per Line item (Foreign Currency)
<i>[insert number of the item]</i>	<i>[insert name of Good]</i>	<i>[insert country of origin of the Good]</i>	<i>[insert quantity]]</i>	<i>[insert name of the physical unit]</i>	<i>[insert unit price in BTN]</i>	<i>[insert unit price in foreign currency if applicable]</i>	<i>[insert the corresponding total price per line item in BTN]</i>	<i>[insert the corresponding total price per line item in foreign currency]</i>
Sl. No. 2, 4, 29, 30, 31, 32, 33 & 34 Amendment								
2	24 Core Optic Fiber cable		2KM.	Per drum				
4	12 Core Optic Fiber cable		2KM.	Per drum				
29	GI pipe 1" dia		1	Piece				
30	GI pipe 2" dia		1	Piece				
31	GI pipe 3" dia		1	Piece				
32	HDPE pipe 1" dia		1	Roll				
33	HDPE pipe 2" dia		1	Roll				
34	HDPE pipe 3" dia		1	Roll				

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Sl. No. 52 to 60 Addendum								
52	48 Core Armor Optic Fiber cable		2KM	Per drum				
53	72 Core Armor Optic Fiber cable		2KM	Per drum				
54	48 Core ADDS Fiber cable		2KM	Per drum				
55	72 Core ADDS Fiber cable		2KM	Per drum				
56	Tension clamp for LT pole.		1	Set				
57	Tension clamp for HT pole		1	Set				
58	Tension clamp Telescopic HT Pole		1	Set				
59	Outdoor joint enclosure (Plastic type)		1	No.				
60	Single Mode SFP to be used within 200-500 meters distance Max.		1	Pair				
Total Price								

Name of Bidder *[insert complete name of Bidder]* Signature of Bidder *[signature of person signing the Bid]* Date *[Insert Date]*

Note:

1. The supply order for the abovementioned items shall be issued based on TWAN requirement.

Price and Completion Schedule - Related Services (for services Package I,II&III)

Currencies in accordance with ITB Clause 18						Date: _____
						IFB No: _____
						Alternative No: _____
						Page No: _____ of _____
1	2	3	4	5	6	7
Service N°	Description of Services (excludes inland transportation and other services required in Bhutan to convey the Goods to their final destination)	Country of Origin	Delivery Date at place of Final destination	Quantity and physical unit	Unit price (Nu.)	Total Price per Service (Col. 5*6 or estimate)
<i>[insert number of the Service]</i>	<i>[insert name of Services]</i>	<i>[insert country of origin of the Services]</i>	<i>[insert delivery date at place of final destination per Service]</i>	<i>[insert number of units to be supplied and name of the physical unit]</i>	<i>[insert unit price per item]</i>	<i>[insert total price per item]</i>
Services III (will be awarded as package): Sl. No. 2 Amendment/Addendum						
1	Repair & maintenance of UPS (Malfunction).		As per work order	1 No.		
2	Repair & maintenance of UPS (Running condition).			1 No.		
Total:						

Name of Bidder *[insert complete name of Bidder]* Signature of Bidder *[signature of person signing the Bid]* Date *[insert date]*

Note:

1. The work order for the abovementioned services shall be issued based on TWAN requirem

1. List of Goods and Delivery Schedule (for supply of goods)

[The Purchaser shall fill in this table, with the exception of the column "Bidder's Offered Delivery Date", which is to be filled by the Bidder]

Line Item N°	Description of Goods	Quantity	Physical unit	Final (Project Site) Destination as specified in BDS	Delivery Date				
					Earliest Delivery Date	Latest Delivery Date	Bidder's Offered Delivery Date <i>[to be provided by the Bidder]</i>		
<i>[insert item No]</i>	<i>[insert description of Goods]</i>	<i>[insert quantity of item to be supplied]</i>	<i>[insert physical unit for the quantity]</i>	<i>[insert place of Delivery]</i>	<i>[insert the number of days following the date of effectiveness the Contract]</i>	<i>[insert the number of days following the date of effectiveness the Contract]</i>	<i>[insert the number of days following the date of effectiveness the Contract]</i>		
Sl. No. 2,4, 29, 30, 31, 32, 33 & 34 Amendments									
2	24 Core Optic Fiber cable	2KM	Drum	DITT, MoIC		45 days from the date of issuance of			
4	12 Core Optic Fiber cable	2KM	Drum						
29	GI Pipe 1" dia	1	Piece						
30	GI Pipe 2" dia	1	Piece						
31	GI Pipe 3" dia	1	Piece						
32	HDPE pipe 1" dia	1	Roll						
33	HDPE pipe 2" dia	1	Roll						
34	HDPE pipe 3" dai	1	Roll						
Sl. No. 52 to 60 Addendum									
52	48 Core Armor Optic Fiber cable	2KM	Per drum						
53	72 Core Armor Optic Fiber cable	2KM	Per drum						
54	48 Core ADDS Fiber cable	2KM	Per drum						
55	72 Core ADDS Fiber cable	2KM	Per drum						

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56	Tension clamp for LT pole.	1	Set				
57	Tension clamp for HT pole	1	Set				
58	Tension clamp Telescopic HT Pole	1	Set				
59	Outdoor joint enclosure (Plastic type)	1	No.				
60	Single Mode SFP to be used within 200-500 meters distance Max.	1	Pair				

List of Related Services and Completion Schedule

[This table shall be filled in by the Purchaser. The Required Completion Dates should be realistic, and consistent with the required Goods Delivery Dates (as per Incoterms)]

Service	Description of Service	Quantity ¹	Physical Unit	Place where Services shall be performed	Final Completion Date(s) of Services
<i>[insert Service No]</i>	<i>[insert description of Related Services]</i>	<i>[insert quantity of items to be supplied]</i>	<i>[insert physical unit for the items]</i>	<i>[insert name of the Place]</i>	<i>[insert required Completion Date(s)]</i>
Services III (will be awarded as package): Sl. No. 2 Amendment/Addendum.				TWAN sites (within Thimphu)	Will be as per the work order.
1	Repair & maintenance of UPS (Malfunction).	1	No.		
2	Repair & maintenance of UPS (Running Condition).	1	No.		

Technical Specifications for TWAN Supply & Maintenance work.

For Supply (should be awarded per items wise). Sl. No. 2, 4, 29, 30, 31,32,33,34 Amendment & Sl. No. 52 - 58 Addendum.

Sl. No.	Items	Specification	Make/ Model	Remarks
2	24 Core Optic Fiber cable	Single Mode (SM), 24 Core Outdoor fiber cable, Loose Tube (max. 6 Core fiber per tube), 9- Micron, Loose-Tube Outside-Plant Fiber Optic Cable: ECSS Armor, Loose-tube, Gel-filled, 9/125 SM OS2 Attenuation (Maximum) - 0.35/0.35/0.25 dB/km @ 1310/1383/1550 nm Bend Radius -Loaded: 10" (25.4 cm); Unloaded: 7" (17.8 cm) Crush Resistance -55 lb. per inch for 10 minutes Fiber Type -Single-mode 9/125 μ m Jacket Type -Outdoor-rated, medium-density Polyethylene (MDPE) Outer Diameter - 0.48" (12.2 mm)).		Submit product sample.
4	12 Core Optic Fiber cable	Single Mode (SM), 12 Core Outdoor fiber cable, Single Loose Tube, 9-Micron, Loose-Tube Outside-Plant Fiber Optic Cable: ECSS Armor, Loose-tube, Gelfilled, 9/125 SM OS2 Attenuation (Maximum) - 0.35/0.35/0.25 dB/km @ 1310/1383/1550 nm Bend Radius -Loaded: 10" (25.4 cm); Unloaded: 7" (17.8 cm) Crush Resistance - 55 lb. per inch for 10 minutes Fiber Type -Single-mode 9/125 μ m Jacket Type - Outdoorrated, medium-density Polyethylene (MDPE) Outer Diameter -0.48" (12.2 mm)).		
29	GI Pipe	1" Dia GI Pipe (1 Piece = 6 meter) with union set (medium size)		
30	"	2" Dia GI Pipe (1 Piece = 6 meter) with union set (medium size)		
31	"	3" Dia GI Pipe (1 Piece = 6 meter) with union set (midum size)		
32	HDPE pipe	1" Dia HDPE pipe (1 roll =100 Meter (equivalent to Bhutan Polythene Pipe)		
33	"	2" Dia HDPE pipe (1 roll =100 Meter (equivalent to Bhutan Polythene Pipe)		
34	"	3" Dia HDPE pipe (1 roll =100 Meter (equivalent to Bhutan Polythene Pipe)		
52	48 Core Armor Optic Fiber cable	Single Mode (SM), 48 Core Outdoor fiber cable, Loose Tube (max. 6 Core fiber per tube), 9-Micron, Loose-Tube Outside-Plant Fiber Optic Cable: ECSS Armor, Loose-tube, Gel-filled, 9/125 SM OS2 Attenuation (Maximum) -0.35/0.35/0.25 dB/km @ 1310/1383/1550 nm Bend Radius -Loaded: 10" (25.4 cm); Unloaded: 7" (17.8 cm) Crush Resistance -55 lb. per inch for 10 minutes		

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		<p>Fiber Type -Single-mode 9/125 μm Jacket Type -Outdoor-rated, medium-density Polyethylene (MDPE) Outer Diameter -0.48" (12.2 mm)</p>		
53	72 Core Amor Optic Fiber cable	<p>Single Mode (SM), 72 Core Outdoor fiber cable, Loose Tube (max. 6 Core fiber per tube), 9-Micron, Loose-Tube Outside-Plant Fiber Optic Cable: ECSS Armor, Loose-tube, Gel-filled, 9/125 SM OS2 Attenuation (Maximum) -0.35/0.35/0.25 dB/km @ 1310/1383/1550 nm Bend Radius -Loaded: 10" (25.4 cm); Unloaded: 7" (17.8 cm) Crush Resistance -55 lb. per inch for 10 minutes Fiber Type -Single-mode 9/125 μm Jacket Type -Outdoor-rated, medium-density Polyethylene (MDPE) Outer Diameter -0.48" (12.2 mm)</p>		
54	48 Core ADDS Fiber cable	<p>ADSS Fiber specification:- -No. Of Fibres DWSM (Dual Window Single Mode) 48F. -Type of Fiber-Single Mode, ITU-T G652D, - Strength Member - Aramid yarn, -DWSM optical color - Blue, orange, green and natural, -Overall diameter of the cable- 14 mm, ± 0.5 mm, -Overall weight of the cable-165 ± 20 Kg/Km, -Minimum bend radius-280 mm, -Tensile strength-12 KN, -No. Of Fibers per tube-12, -Operating temperature--30 $^{\circ}\text{C}$ to + 70 $^{\circ}\text{C}$, -Attenuation Coefficient- @ 1310 nm dB/km ≤ 0.35, @ 1550 nm ≤ 0.23, -Mode field diameter-μm 9.2, -Deviation in mode field diameter-μm ± 0.5, -Attenuation variation with wavelength (± 25 nm) Temperature-dB/km ± 0.05, -Mode field non-circularity % 6, -Chromatic Dispersion @ 1310 (1288 - 1339)nm ps/nm² km 3.5 @ 1310 (1271 - 1360)nm 6 @ 1550nm 20, -Zero dispersion wavelength nm 1300 - 1324, - Zero dispersion slope ps/nm² km ≤ 0.092, -Refractive index 1.47, -Refractive index profile Step Index,</p>		Submit product sample

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		<ul style="list-style-type: none"> -Cladding design Matched, -Numerical aperture 0.1, -Bandwidth distance product MHz km NA, -Bend Performance (37.5 mm radius, 100 turns) < 0.05 dB. 		
55	72 Core ADDS Fiber cable	<p>ADSS Fiber specification:-</p> <ul style="list-style-type: none"> -No. Of Fibres DWSM (Dual Window Single Mode) 72F. -Type of Fiber-Single Mode, ITU-T G652D, - Strength Member - Aramid yarn, -DWSM optical color - Blue, orange, green and natural, -Overall diameter of the cable- 14 mm, ± 0.5 mm, -Overall weight of the cable-165 ± 20 Kg/Km, -Minimum bend radius-280 mm, -Tensile strength-12 KN, -No. Of Fibers per tube-18, -Operating temperature--30 ° C to + 70 ° C, -Attenuation Coefficient- @ 1310 nm dB/km ≤ 0.35, @ 1550 nm ≤ 0. 23, -Mode field diameter-μm 9.2, -Deviation in mode field diameter-μm ± 0.5, -Attenuation variation with wavelength (± 25 nm) Temperature-dB/km ± 0.05, -Mode field non-circularity % 6, -Chromatic Dispersion @ 1310 (1288 - 1339)nm ps/nm² km 3.5 @ 1310 (1271 - 1360)nm 6 @ 1550nm 20, -Zero dispersion wavelength nm 1300 - 1324, - Zero dispersion slope ps/nm² km ≤ 0.092, -Refractive index 1.47, -Refractive index profile Step Index, -Cladding design Matched, -Numerical aperture 0.1, -Bandwidth distance product MHz km NA, -Bend Performance (37.5 mm radius, 100 turns) < 0.05 dB. 		

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56	Tension clamp for LT pole.	Tension clamp with complete fitting accessories(reinforcement rod, vibration damper, downlead clamp) on LT electric pole.		Bidders are requested to inspect the items before quot
57	Tension clamp for HT pole.	Tension clamp with complete fitting accessories(reinforcement rod, vibration damper, downlead clamp) on HT electric pole.		
58	Tension clamp Telescopic HT Pole	HT Telescopic Electric Pole		
59	Outdoor joint enclosure (Plastic type)	Vertical Dome Joint enclosure with 4 way, 4 Nos. Splice tray with joint sleeve & accessories.		Submit product catalogue.
60	Single Mode SFP to be used within 200-500 meters distance Max.	SFP. 1Gbps. To be used within 200-500 meters distance. Compatibility: Cisco, Juniper, DLink, TPLink & etc., Singlefiber, LC connector with pair. Note: If the Bidder proposes SFP that covers more than 500 meters, then the bidder should also provide LC/UPC Fiber Optic Attenuator to suit certain optical power level for 200 - 500 meters distance.		

For Maintenance Works Package III (Should award as package). Sl. No. 2 Amendment/Addendum.

Sl. No.	Type of work	Activities	Unit	Remarks
1	Repair & maintenance of UPS	Repair of TWAN APC Smart-UPS-VT System, 15KVA	1 No.	Bidders are requested to inspect the equipments before quot.(malfunction).
2		Repair of TWAN APC Smart-UPS-VT System, 15KVA	1 No.	Running condition