

ADDENDUM NO. 2

TENDER NO. ICTA/OT/14/2022-2023

DATE: 27th March, 2023

**TENDER NAME: PROCUREMENT OF DIGITAL SUPERHIGHWAY FIBRE OPTIC CABLE AND ASSOCIATED ACCESSORIES
 (FRAMEWORK CONTRACTING)**

S.NO	REFERENCE		BIDDER'S CONCERNS/OBSERVATIONS/ COMMENTS	CLARIFICATION/ RESPONSE	
1.	Optical fiber distribution frame ODF 12 Port	1. Ports: 12 2. Connector type: LC preconnectorized 3. Rack Mountable 4. Type: Drawer Attach Brochure	pcs	What is the type of adaptor? APC/UPC?	The adaptor is a UPC connector
2.	Optical fiber distribution frame ODF 24 Port	1. Ports: 24 2. Connector type: LC preconnectorized 3. Rack Mountable 4. Type: Drawer Attach Brochure	pcs		The adaptor is a UPC connector
3.	Optical fiber distribution frame ODF 48 Port	1. Ports: 48 2. Connector type: LC preconnectorized 3. Rack Mountable	pcs		The adaptor is a UPC connector

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		4. Type: Drawer Attach Brochure			
4.	Optical fiber distribution frame ODF 96 Port	1. Ports: 96 2. Connector type: LC preconnectorized 3. Rack Mountable 4. Type: Drawer Attach Brochure	pcs		The adaptor is a UPC connector
5.	Optical fiber distribution frame ODF 144 Port	1. Ports: 144 2. Connector type: LC preconnectorized 3. Rack Mountable 4. Type: Drawer Attach Brochure	pcs		The adaptor is a UPC connector
6.	Optical fiber distribution frame ODF 288 Port	1. Ports: 288 2. Connector type: LC preconnectorized 3. Rack Mountable 4. Type: Drawer Attach Brochure	pcs		The adaptor is a UPC connector
7.	Compliance with General technical Specification SECTION A (1)	Compliance with General Specification SECTION A(1) Provide Data sheet	pcs		The adaptor is a UPC connector
8.	Supply Optical Fibre Patch cord SM, LC-LC,1m	1. Connector Type: LC-LC 2. Fiber type: G.657.A1/G.652.D; G.651 3. Connector Insertion Loss: ≤0.3dB 4. Return loss: ≥45dB Attach Brochure	pcs	Is the patch cord simplex or duplex? Is the type of adaptor APC or UPC? What is the type of fiber for single-mode patch cord, and the type for multi-mode one?	The patch cord is simplex and Connector type is LCUPC-LCUPC. The Fiber is Single mode

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9.	Supply Optical Fibre Patch cord SM, LC-LC,3m	1. Connector Type: LC-LC 2. Fiber type: G.657.A1/G.652.D; G.651 3. Connector Insertion Loss: $\leq 0.3\text{dB}$ 4. Return loss: $\geq 45\text{dB}$ Attach Brochure	pcs		The patch cord is simplex and Connector type is LCUPC-LCUPC. The Fiber is Single mode
10.	Supply Optical Fibre Patch cord SM, LC-LC,5m	1. Connector Type: LC-LC 2. Fiber type: G.657.A1/G.652.D; G.651 3. Connector Insertion Loss: $\leq 0.3\text{dB}$ 4. Return loss: $\geq 45\text{dB}$ Attach Brochure	pcs		The patch cord is simplex and Connector type is LCUPC-LCUPC. The Fiber is Single mode
11.	Supply Optical Fibre Patch cord SM, LC-LC,10m	1. Connector Type: LC-LC 2. Fiber type: G.657.A1/G.652.D; G.651 3. Connector Insertion Loss: $\leq 0.3\text{dB}$ 4. Return loss: $\geq 45\text{dB}$ Attach Brochure	pcs		The patch cord is simplex and Connector type is LCUPC-LCUPC. The Fiber is Single mode
12.	Supply Optical Fibre Patch cord SM, LC-LC,20m	1. Connector Type: LC-LC 2. Fiber type: G.657.A1/G.652.D; G.651 3. Connector Insertion Loss: $\leq 0.3\text{dB}$ 4. Return loss: $\geq 45\text{dB}$ Attach Brochure	pcs		The patch cord is simplex and Connector type is LCUPC-LCUPC. The Fiber is Single mode

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13.	Supply Optical Fibre Patch cord SM, LC-LC,30m	1. Connector Type: LC-LC 2. Fiber type: G.657.A1/G.652.D; G.651 3. Connector Insertion Loss: ≤ 0.3 dB 4. Return loss: ≥ 45 dB Attach Brochure	pcs		The patch cord is simplex and Connector type is LCUPC-LCUPC. The Fiber is Single mode
14.	Supply Optical Fibre Patch cord MM, LC-LC,1m	1. Connector Type: LC-LC 2. Fiber type: G.657.A1/G.652.D; G.651 3. Connector Insertion Loss: ≤ 0.3 dB 4. Return loss: ≥ 45 dB Attach Brochure	pcs		The patch cord is simplex and Connector type is LCUPC-LCUPC. The Fiber is Single mode
15.	Supply Optical Fibre Patch cord MM, LC-LC,3m	1. Connector Type: LC-LC 2. Fiber type: G.657.A1/G.652.D; G.651 3. Connector Insertion Loss: ≤ 0.3 dB 4. Return loss: ≥ 45 dB Attach Brochure	pcs		The patch cord is simplex and Connector type is LCUPC-LCUPC. The Fiber is Single mode
16.	Supply Optical Fibre Patch cord MM, LC-LC,5m	1. Connector Type: LC-LC 2. Fiber type: G.657.A1/G.652.D; G.651 3. Connector Insertion Loss: ≤ 0.3 dB 4. Return loss: ≥ 45 dB Attach Brochure	pcs		The patch cord is simplex and Connector type is LCUPC-LCUPC. The Fiber is Single mode

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17.	Supply Optical Fibre Patch cord MM, LC-LC,10m	1. Connector Type: LC-LC 2. Fiber type: G.657.A1/G.652.D; G.651 3. Connector Insertion Loss: ≤ 0.3 dB 4. Return loss: ≥ 45 dB Attach Brochure	pcs		The patch cord is simplex and Connector type is LCUPC-LCUPC. The Fiber is Single mode
18.	Supply Optical Fibre Patch cord MM, LC-LC,20m	1. Connector Type: LC-LC 2. Fiber type: G.657.A1/G.652.D; G.651 3. Connector Insertion Loss: ≤ 0.3 dB 4. Return loss: ≥ 45 dB Attach Brochure	pcs		The patch cord is simplex and Connector type is LCUPC-LCUPC. The Fiber is Single mode
19.	Supply Optical Fibre Patch cord MM, LC-LC,30m	1. Connector Type: LC-LC 2. Fiber type: G.657.A1/G.652.D; G.651 3. Connector Insertion Loss: ≤ 0.3 dB 4. Return loss: ≥ 45 dB Attach Brochure	pcs		The patch cord is simplex and Connector type is LCUPC-LCUPC. The Fiber is Single mode
20.	Supply Optical Fibre Patch cord SM, SC-SC,1m	1. Connector Type: SC-SC 2. Fiber type: G.657.A1/G.652.D; G.651 3. Connector Insertion Loss: ≤ 0.3 dB 4. Return loss: ≥ 45 dB Attach Brochure	pcs		The patch cord is simplex and Connector type is LCUPC-LCUPC. The Fiber is Single mode

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21.	Supply Optical Fibre Patch cord SM, SC-SC,3m	1. Connector Type: SC-SC 2. Fiber type: G.657.A1/G.652.D; G.651 3. Connector Insertion Loss: ≤ 0.3 dB 4. Return loss: ≥ 45 dB Attach Brochure	pcs		The patch cord is simplex and Connector type is LCUPC-LCUPC. The Fiber is Single mode
22.	Supply Optical Fibre Patch cord SM, SC-SC,5m	1. Connector Type: SC-SC 2. Fiber type: G.657.A1/G.652.D; G.651 3. Connector Insertion Loss: ≤ 0.3 dB 4. Return loss: ≥ 45 dB Attach Brochure	pcs		The patch cord is simplex and Connector type is LCUPC-LCUPC. The Fiber is Single mode
23.	Supply Optical Fibre Patch cord SM, SC-SC,10m	1. Connector Type: SC-SC 2. Fiber type: G.657.A1/G.652.D; G.651 3. Connector Insertion Loss: ≤ 0.3 dB 4. Return loss: ≥ 45 dB Attach Brochure	pcs		The patch cord is simplex and Connector type is LCUPC-LCUPC. The Fiber is Single mode
24.	Supply Optical Fibre Patch cord SM, SC-SC,20m	1. Connector Type: SC-SC 2. Fiber type: G.657.A1/G.652.D; G.651 3. Connector Insertion Loss: ≤ 0.3 dB 4. Return loss: ≥ 45 dB Attach Brochure	pcs		The patch cord is simplex and Connector type is LCUPC-LCUPC. The Fiber is Single mode

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25.	Supply Optical Fibre Patch cord SM, SC-SC,30m	1. Connector Type: SC-SC 2. Fiber type: G.657.A1/G.652.D; G.651 3. Connector Insertion Loss: ≤ 0.3 dB 4. Return loss: ≥ 45 dB Attach Brochure	pcs		The patch cord is simplex and Connector type is LCUPC-LCUPC. The Fiber is Single mode
26.	Supply Optical Fibre Patch cord MM, SC-SC,1m	1. Connector Type: SC-SC 2. Fiber type: G.657.A1/G.652.D; G.651 3. Connector Insertion Loss: ≤ 0.3 dB 4. Return loss: ≥ 45 dB Attach Brochure	pcs		The patch cord is simplex and Connector type is LCUPC-LCUPC. The Fiber is Single mode
27.	Supply Optical Fibre Patch cord MM, SC-SC,3m	1. Connector Type: SC-SC 2. Fiber type: G.657.A1/G.652.D; G.651 3. Connector Insertion Loss: ≤ 0.3 dB 4. Return loss: ≥ 45 dB Attach Brochure	pcs		The patch cord is simplex and Connector type is LCUPC-LCUPC. The Fiber is Single mode
28.	Supply Optical Fibre Patch cord MM, SC-SC,5m	1. Connector Type: SC-SC 2. Fiber type: G.657.A1/G.652.D; G.651 3. Connector Insertion Loss: ≤ 0.3 dB 4. Return loss: ≥ 45 dB Attach Brochure	pcs		The patch cord is simplex and Connector type is LCUPC-LCUPC. The Fiber is Single mode

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29.	Supply Optical Fibre Patch cord MM, SC-SC,10m	1. Connector Type: SC-SC 2. Fiber type: G.657.A1/G.652.D; G.651 3. Connector Insertion Loss: $\leq 0.3\text{dB}$ 4. Return loss: $\geq 45\text{dB}$ Attach Brochure	pcs		The patch cord is simplex and Connector type is LCUPC-LCUPC. The Fiber is Single mode
30.	Supply Optical Fibre Patch cord MM, SC-SC,20m	1. Connector Type: SC-SC 2. Fiber type: G.657.A1/G.652.D; G.651 3. Connector Insertion Loss: $\leq 0.3\text{dB}$ 4. Return loss: $\geq 45\text{dB}$ Attach Brochure	pcs		The patch cord is simplex and Connector type is LCUPC-LCUPC. The Fiber is Single mode
31.	Supply Optical Fibre Patch cord MM, SC-SC,30m	1. Connector Type: SC-SC 2. Fiber type: G.657.A1/G.652.D; G.651 3. Connector Insertion Loss: $\leq 0.3\text{dB}$ 4. Return loss: $\geq 45\text{dB}$ Attach Brochure	pcs		The patch cord is simplex and Connector type is LCUPC-LCUPC. The Fiber is Single mode
32.	Supply Optical Fibre Patch cord SM, SC-LC,1m	1. Connector Type: SC-LC 2. Fiber type: G.657.A1/G.652.D; G.651 3. Connector Insertion Loss: $\leq 0.3\text{dB}$ 4. Return loss: $\geq 45\text{dB}$ Attach Brochure	pcs		The patch cord is simplex and Connector type is LCUPC-LCUPC. The Fiber is Single mode

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33.	Supply Optical Fibre Patch cord SM, SC-LC,3m	1. Connector Type: SC-LC 2. Fiber type: G.657.A1/G.652.D; G.651 3. Connector Insertion Loss: $\leq 0.3\text{dB}$ 4. Return loss: $\geq 45\text{dB}$ Attach Brochure	pcs		The patch cord is simplex and Connector type is LCUPC-LCUPC. The Fiber is Single mode
34.	Supply Optical Fibre Patch cord SM, SC-LC,5m	1. Connector Type: SC-LC 2. Fiber type: G.657.A1/G.652.D; G.651 3. Connector Insertion Loss: $\leq 0.3\text{dB}$ 4. Return loss: $\geq 45\text{dB}$ Attach Brochure	pcs		The patch cord is simplex and Connector type is LCUPC-LCUPC. The Fiber is Single mode
35.	Supply Optical Fibre Patch cord SM, SC-LC,10m	1. Connector Type: SC-LC 2. Fiber type: G.657.A1/G.652.D; G.651 3. Connector Insertion Loss: $\leq 0.3\text{dB}$ 4. Return loss: $\geq 45\text{dB}$ Attach Brochure	pcs		The patch cord is simplex and Connector type is LCUPC-LCUPC. The Fiber is Single mode
36.	Supply Optical Fibre Patch cord SM, SC-LC,20m	1. Connector Type: SC-LC 2. Fiber type: G.657.A1/G.652.D; G.651 3. Connector Insertion Loss: $\leq 0.3\text{dB}$ 4. Return loss: $\geq 45\text{dB}$ Attach Brochure	pcs		The patch cord is simplex and Connector type is LCUPC-LCUPC. The Fiber is Single mode

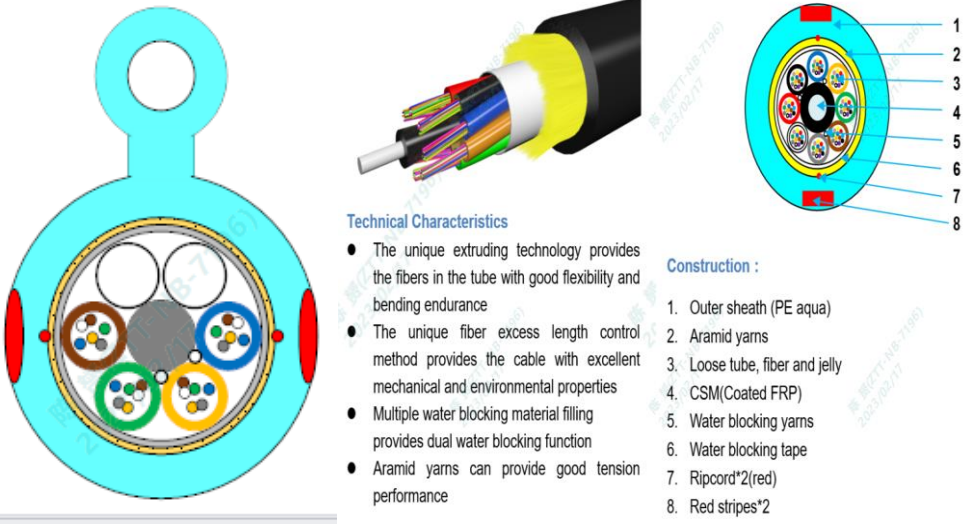
S.NO	REFERENCE			BIDDER'S CONCERNS/OBSERVATIONS/ COMMENTS	CLARIFICATION/ RESPONSE
37.	Supply Optical Fibre Patch cord SM, SC-LC,30m	1. Connector Type: SC-LC 2. Fiber type: G.657.A1/G.652.D; G.651 3. Connector Insertion Loss: $\leq 0.3\text{dB}$ 4. Return loss: $\geq 45\text{dB}$ Attach Brochure	pcs		The patch cord is simplex and Connector type is LCUPC-LCUPC. The Fiber is Single mode
38.	Supply Optical Fibre Patch cord MM, SC-LC,1m	1. Connector Type: SC-LC 2. Fiber type: G.657.A1/G.652.D; G.651 3. Connector Insertion Loss: $\leq 0.3\text{dB}$ 4. Return loss: $\geq 45\text{dB}$ Attach Brochure	pcs		The patch cord is simplex and Connector type is LCUPC-LCUPC. The Fiber is Single mode
39.	Supply Optical Fibre Patch cord MM, SC-LC,3m	1. Connector Type: SC-LC 2. Fiber type: G.657.A1/G.652.D; G.651 3. Connector Insertion Loss: $\leq 0.3\text{dB}$ 4. Return loss: $\geq 45\text{dB}$ Attach Brochure	pcs		The patch cord is simplex and Connector type is LCUPC-LCUPC. The Fiber is Single mode
40.	Supply Optical Fibre Patch cord MM, SC-LC,5m	1. Connector Type: SC-LC 2. Fiber type: G.657.A1/G.652.D; G.651 3. Connector Insertion Loss: $\leq 0.3\text{dB}$ 4. Return loss: $\geq 45\text{dB}$ Attach Brochure	pcs		The patch cord is simplex and Connector type is LCUPC-LCUPC. The Fiber is Single mode

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41.	Supply Optical Fibre Patch cord MM, SC-LC, 10m	1. Connector Type: SC-LC 2. Fiber type: G.657.A1/G.652.D; G.651 3. Connector Insertion Loss: $\leq 0.3\text{dB}$ 4. Return loss: $\geq 45\text{dB}$ Attach Brochure	pcs		The patch cord is simplex and Connector type is LCUPC-LCUPC. The Fiber is Single mode
42.	Supply Optical Fibre Patch cord MM, SC-LC, 20m	1. Connector Type: SC-LC 2. Fiber type: G.657.A1/G.652.D; G.651 3. Connector Insertion Loss: $\leq 0.3\text{dB}$ 4. Return loss: $\geq 45\text{dB}$ Attach Brochure	pcs		The patch cord is simplex and Connector type is LCUPC-LCUPC. The Fiber is Single mode
43.	Supply Optical Fibre Patch cord MM, SC-LC, 30m	1. Connector Type: SC-LC 2. Fiber type: G.657.A1/G.652.D; G.651 3. Connector Insertion Loss: $\leq 0.3\text{dB}$ 4. Return loss: $\geq 45\text{dB}$ Attach Brochure	pcs		The patch cord is simplex and Connector type is LCUPC-LCUPC. The Fiber is Single mode
44.	Supply of stay rod		pcs	What is the diameter and the height of pole?	The diameter is between 1.8cm. The height is the pole is 12M
45.	Supply stainless steel strap		pcs	What is the length of each roll?	The length of each roll is 50m
46.	Page 31, Section B. COMPLIANCE WITH TECHNICAL SPECIFICATIONS,	All cables are described as "Supply of OFC xx Core with accessories."		What accessories are referred to here as there are other sections that list the accessories?	The requirement in this section is only The Supply of OFC

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	Item 1. Optical Fibre Cable (all cables)			
47.	Page 37. Section 3 for Accessories, items 1 to 36	All Patch cord are described for Fibre type: G.657.A1/G.652.D; G.651	Should we offer Patch cord with either Fibre type or specific? mostly G652D is used for backbone/ metro application	The patch code should be G65A1 for Single mode & G651 for Multimode
48.	Page 43 - Items 37 to 48. All Fibre Optic Splice Enclosure Joint Closure, both Underground and Aerial	All are identified as being DOME Type in the item column then under the description Column they are identified as "Inline Type"	Please clarify which type is required. Inline Type: the input and output are on the both sides. Dome Type: the input and output are at the bottom of the closure.	The Closures should be Dome closure
49.	Various	ADSS Cable Specification	What is the pulling strength for the cable? 2. How many meters SPAN for the cable?	The span length of the cable is 100m span
50.			In Page 81 of the document, it mentions figure 8, our clarification is it figure 8 or ADSS?	The cable is ADSS and not figure 8
51.			The Currency of submission, we would like to make the submission in USD, tender mentions Ksh. Please clarify that we can submit in USD	The Tenderer is required to quote in the currency of Kenya Shillings (KES).
52.		In Section V - Schedule of Requirements	(Point No: 3.Setting up of the optic fiber factory in 1 year) is condition is mandatory? and if yes, is there any required design?	Setting up of fibre factory is Mandatory and each tenderer should provide their plans and design.

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53.	Page 29 - Vendor Evaluation item 4, (a)	One (2) Logistics Manager	Kindly confirm if it's One Logistics Manager required and not two as indicated in brackets.	Two (2) logistics managers
54.	Page 29 - Vendor Evaluation item 4, (b)	One (2) Quality Control Officer	Kindly confirm if it's One Quality Control Officer required and not two as indicated in brackets	Two (2) quality control officers
55.	Page 29 - Vendor Evaluation item 2B, (c)	One (4) Plant operator	Kindly confirm if it's One Plant operator required and not four as indicated in brackets.	Four (4) Plant Operators
56.	page 24- Requirements for Local /Manufacture		<p>We would like to know if this is part of mandatory requirement; without it, it is an automatic disqualification.</p> <p>Our suggestion is that it would be much easier if the Government sent a delegation overseas to encourage manufacturers to come and invest in Kenya.</p>	The requirement of setting up a factory is Mandatory
57.	Page 54, b) Experience and Technical Capacity.	Page 54, b) Experience and Technical Capacity.	<p>The section Refer to Form Exp-1 to provide the required information.</p> <p>The Form Exp-1 does not exist in the tender document</p>	The form is provided annexed to this Addendum
58.	List of Goods and Delivery Schedule	<p>page 97, 1, List of Goods and Delivery Schedule</p> <p>page 49, 2.2.2 Evaluation Criteria (Other Factors) (ITT 33.6),</p> <p>a) Delivery schedule</p> <p>The Goods specified in the List of Goods are required</p>	What is the acceptable time range for the delivery of goods?	The goods should be supplied within 14 days from date of order receipt

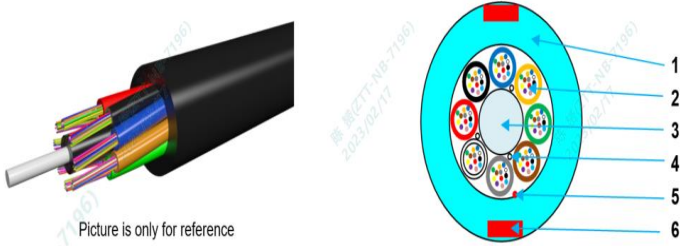
S.NO	REFERENCE			BIDDER'S CONCERNS/OBSERVATIONS/ COMMENTS	CLARIFICATION/ RESPONSE
		to be delivered within the acceptable time range (after the earliest and before the final date, both dates inclusive) specified in Section V, Schedule of Requirements			
59.	List of Goods and Delivery Schedule	page 97, 1, List of Goods and Delivery Schedule page 49, 2.2.2 Evaluation Criteria (Other Factors) (ITT 33.6), a) Delivery schedule Within this acceptable period, an adjustment of [insert the adjustment factor], will be added, for evaluation purposes only, to the Tender price of Tenders offering deliveries later than the "Earliest Delivery Date" specified in Section V, Schedule of Requirements.		Please elaborate on the adjustment factor for deliveries later than Earliest Delivery Date.	Not Applicable The goods should be supplied within 14 days from date of order receipt
60.	Section V - Schedule of Requirements/11 PERFORMANCE SPECIFICATIONS The Fiber Aerial Figure 8 Cable should be designed and tested in	FIG 8			The Cable required is ADSS and not figure-8

S.NO	REFERENCE	BIDDER'S CONCERNS/OBSERVATIONS/ COMMENTS	CLARIFICATION/ RESPONSE
	<p>accordance with TIA-568-B.3 and ISO 11801, ITU G.652D.</p>	<p style="text-align: center;">3.2 Cable Type: ADSS-96B1.3</p>  <p>Technical Characteristics</p> <ul style="list-style-type: none"> • The unique extruding technology provides the fibers in the tube with good flexibility and bending endurance • The unique fiber excess length control method provides the cable with excellent mechanical and environmental properties • Multiple water blocking material filling provides dual water blocking function • Aramid yarns can provide good tension performance <p>Construction :</p> <ol style="list-style-type: none"> 1. Outer sheath (PE aqua) 2. Aramid yarns 3. Loose tube, fiber and jelly 4. CSM (Coated FRP) 5. Water blocking yarns 6. Water blocking tape 7. Ripcord*2 (red) 8. Red stripes*2 <p>Question: As per the tender document its also mentioned that the cables can be Fig.8 design.</p> <p>ADSS cables are all dielectric self-support cable (Metal-free) , but figure 8 cable usually use steel wires as messenger wire.</p> <p>Please confirm that the cable required is ADSS or figure-8? Our recommendation is to delete the Fig.8 word where it is mentioned to avoid any confusion.</p> <p>Above are the cross sections for reference.</p>	
61.	Section V - Schedule of Requirements/11 PERFORMANCE	<p>Question: As per your requirement the cable is to be ADSS. For ADSS cable design, confirmation of the maximum cable span is must.</p>	<p>The Maximum Span of ADSS is 100m</p>

S.NO	REFERENCE		BIDDER'S CONCERNS/OBSERVATIONS/ COMMENTS	CLARIFICATION/ RESPONSE
	SPECIFICATIONS The Fiber Aerial Figure 8 Cable should be designed and tested in accordance with TIA-568-B.3 and ISO 11801, ITU G.652D.	Please confirm the maximum ADSS span.		
62.	Section V - Schedule of Requirements 2 b. Water blocking yarns used helically over PE up coated FRP Rod e. Water Blocking tape wrapping over S-Z core	<p>Question: These two descriptions conflict with each other, please provide detailed water blocking method for each cable type (cable jelly filled or water blocking yarns and tape). From our experience modern days cables are dry block construction/design.</p> <p>Section V 10 e. To prevent the ingress of water, the cable core should be jelly filled.</p> <p>Over this core is applied a polyester tape.</p> <p>2 b. Water blocking yarns used helically over PE up coated FRP Rod</p> <p>e. Water Blocking tape wrapping over S-Z core.</p>		To prevent the ingress of water, the cable core should be waterblocking yarns & tapes

S.NO	REFERENCE	BIDDER'S CONCERNS/OBSERVATIONS/ COMMENTS	CLARIFICATION/ RESPONSE								
		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">10</td> <td> SPECIFICATIONS a. The optical fiber cable shall comprise of [4, 6, 12, 24, 36, 48, 96, 144] fibers. b. Fiber color sequence is compiled with TIA-598. c. The filler elements are manufactured with PE to the same outside diameter as the loose tubes. d. The elements are SZ stranded around a non-metallic central strength member (FRP with coating if required) and the formation retained with polyester water blocking tapes binders. e. To prevent the ingress of water, the cable core should be jelly filled. Over this core is applied a polyester tape. f. The nominal radial thickness of the sheath around the cable core is 1.5mm, and around the bearer the nominal radial thickness is 1.0mm. The web dimensions are 2.0mm wide X 2.0mm high. </td> </tr> <tr> <td style="text-align: center;">2</td> <td> CABLE DESIGN: a. Single mode and Multimode fiber in full compliance with ITU-T G 652 D b. Water blocking yarns used helically over PE up coated FRP Rod </td> </tr> <tr> <td colspan="2" style="text-align: center;">78</td> </tr> <tr> <td></td> <td> c. Loose buffer tubes fully filled Thixotropic Jelly d. Loose buffer tubes S-Z Stranded e. Water Blocking tape wrapping over S-Z core </td> </tr> </table>	10	SPECIFICATIONS a. The optical fiber cable shall comprise of [4, 6, 12, 24, 36, 48, 96, 144] fibers. b. Fiber color sequence is compiled with TIA-598. c. The filler elements are manufactured with PE to the same outside diameter as the loose tubes. d. The elements are SZ stranded around a non-metallic central strength member (FRP with coating if required) and the formation retained with polyester water blocking tapes binders. e. To prevent the ingress of water, the cable core should be jelly filled. Over this core is applied a polyester tape. f. The nominal radial thickness of the sheath around the cable core is 1.5mm, and around the bearer the nominal radial thickness is 1.0mm. The web dimensions are 2.0mm wide X 2.0mm high.	2	CABLE DESIGN: a. Single mode and Multimode fiber in full compliance with ITU-T G 652 D b. Water blocking yarns used helically over PE up coated FRP Rod	78			c. Loose buffer tubes fully filled Thixotropic Jelly d. Loose buffer tubes S-Z Stranded e. Water Blocking tape wrapping over S-Z core	
10	SPECIFICATIONS a. The optical fiber cable shall comprise of [4, 6, 12, 24, 36, 48, 96, 144] fibers. b. Fiber color sequence is compiled with TIA-598. c. The filler elements are manufactured with PE to the same outside diameter as the loose tubes. d. The elements are SZ stranded around a non-metallic central strength member (FRP with coating if required) and the formation retained with polyester water blocking tapes binders. e. To prevent the ingress of water, the cable core should be jelly filled. Over this core is applied a polyester tape. f. The nominal radial thickness of the sheath around the cable core is 1.5mm, and around the bearer the nominal radial thickness is 1.0mm. The web dimensions are 2.0mm wide X 2.0mm high.										
2	CABLE DESIGN: a. Single mode and Multimode fiber in full compliance with ITU-T G 652 D b. Water blocking yarns used helically over PE up coated FRP Rod										
78											
	c. Loose buffer tubes fully filled Thixotropic Jelly d. Loose buffer tubes S-Z Stranded e. Water Blocking tape wrapping over S-Z core										
63.	Section V - 4 OPTICAL CHARACTERISTICS:	Question: As we can see in optical characteristics that attenuation value is conflicting. Attenuation @ 1310nm 0.36dB/km Attenuation @ 1550nm 0.22dB/km Attenuation @ 1625nm 0.26dB/km and also it is mentioned	The Attenuation should be: Attenuation @ 1310nm 0.36dB/km Attenuation @ 1550nm 0.22dB/km Attenuation @ 1625nm 0.26dB/km								

S.NO	REFERENCE	BIDDER'S CONCERNS/OBSERVATIONS/ COMMENTS	CLARIFICATION/ RESPONSE
		<p>Attenuation @1310/1550 nm</p> <p>0.36/0.36/0.23 dB/km these are 3 attenuation values at 2 wavelengths</p> <p>These two descriptions conflict with each other, please provide accurate values</p> <p>We Recommend these values to be</p> <p>Attenuation @ 1310nm 0.36dB/km</p> <p>Attenuation @ 1550nm 0.22dB/km</p> <p>Attenuation @ 1625nm 0.26dB/km</p>	
64.	<p>24 Micro OFC Cable 48, 96 ,144- Price Schedule 1.21, 1.22,1.23 No technical specifications for OFC Cable</p>	<p>We think there is no need to add water blocking tape for micro duct cable, We recommend removing this requirement for air - blown cables. We recommend the structure as follows.</p>	<p>The Specifications are as per the tender document</p>

S.NO	REFERENCE	BIDDER'S CONCERNS/OBSERVATIONS/ COMMENTS	CLARIFICATION/ RESPONSE
		<p data-bbox="682 321 947 342">3.2 CABLE TYPE: GYCFHTY -96 B1.3</p>  <p data-bbox="751 565 909 586">Picture is only for reference</p> <p data-bbox="667 597 846 618">Technical Characteristics</p> <ul data-bbox="667 630 997 917" style="list-style-type: none"> ● The unique extruding technology provides the fibers in the tube with good flexibility and bending endurance ● The unique fiber excess length control method provides the cable with excellent mechanical and environmental properties ● Multiple water blocking material filling provides dual water blocking function ● Provide good tension performance <p data-bbox="1024 597 1119 618">Construction:</p> <ol data-bbox="1024 630 1220 820" style="list-style-type: none"> 1. Outer sheath (PE aqua) 2. Loose tube, fiber and jelly 3. CSM (FRP) 4. Water blocking yarn 5. Ripcord*1(red) 6. Red stripes*2 	
65.	Section V - Schedule of Requirements General Specifications Number 1 Glass Yarns Armoring	<p data-bbox="562 927 1207 954">Question: Is this cable glass yarn armored or not?</p> <p data-bbox="562 998 1528 1063">Armoring is usually done in direct buried cables for rodent protection but you'll be using this cable in HDPE DUCT,</p> <p data-bbox="562 1104 1434 1131">We recommend that remove the glass yarns armoring requirement</p>	Glass Yarn armored ,Rodents protected in full compliance with ITU-T G652 D is required
66.		Kindly Clarify whether we need to fill this price schedule or we need to fill the price schedule on page 39-42	Bidders are advised to fill the price schedule on pages 39-42

The addendum & clarification form part of the bidding document and is binding on all bidders. All other terms and conditions of the tender remain the same.

CEO, ICT Authority