

ITEM	DESCRIPTION	الوحدة	الكمية		السعر بالدولار		الإجمالي رقمًا	
		UNIT	QTY	QTY.IN WORDS	RATE	RATE IN WORDS	Total in figures	
<b>1</b>	<b>TRENCHIG WORKS</b>							
1.1	<p><b>Execution of telecommunication trench</b> excavation for fiber optics cables regardless the type of the soil: rock, sand, concrete, base course, asphalt, pavement slabs of various types and colors, etc. (as per the specifications of MOHPW and Municipalities in the kingdom) drawings, and requirements of the responsible authorized engineer. price includes: * Backfilling in layers not more than 20cm each intensive compacting. * Support excavation sides. * Transfer the excess outside the site to the allowed locations. * Backfilling with Sweileh red sand to protect the pipes 30 cm high from the excavation base. * Supply and install warning tape,&amp; electronic identifiers. * Backfilling using either single size material , base course, cement treated base course, &amp; concrete in any thickness for the following:</p>							
	<b>SUB TOTAL PAGE 1</b>							

ITEM	DESCRIPTION	الوحدة	الكمية		السعر بالدولار		الإجمالي رقمًا	
		UNIT	QTY	QTY.IN WORDS	RATE	RATE IN WORDS	Total in figures	
1.1.1	as above, trench 50 cm wide and 150 cm deep	LM	5,961	five thousand, nine hundred sixty-one				
1.1.2	as above, trench 50 cm wide and 100 cm deep	LM	30,000	Thirty Thousand,				
1.1.3	as above, trench 50 cm wide and 80 cm deep	LM	1,000	One Thousand,				
1.1.4	as above, trench 30 cm wide and 150 cm deep	LM	1,000	One Thousand,				
1.1.5	as above, trench 30 cm wide and 100 cm deep	LM	20,000	Twenty Thousand				
1.1.6	as above, trench 30 cm wide and 80 cm deep	LM	1,000	One Thousand,				
<b>SUB TOTAL PAGE 2</b>								

ITEM	DESCRIPTION	الوحدة	الكمية		السعر بالدولار		الإجمالي رقمًا	
		UNIT	QTY	QTY.IN WORDS	RATE	RATE IN WORDS	Total in figures	
1.2	<p><b>In Non-Urban Areas defined by the Engineer</b> excavation for fiber optics cables trench regardless the type of the soil: rock, sand, concrete, base course, asphalt, pavement slabs of various types and colors, etc. (as per the specifications of MOHPW and Municipalities in the kingdom) drawings, and requirements of the responsible authorized engineer. price includes: * Backfilling in layers not more than 10cm each intensive compacting. * Support excavation sides. * Transfer the excess outside the site to the allowed locations. * Backfilling with Sweileh red sand to protect the pipes 30 cm high from the excavation base. * Supply and install warning tape,&amp; electronic identifiers. * Backfilling using either single size material , base course, cement treated base course, &amp; concrete in any thickness for the following:</p>							
<b>SUB TOTAL PAGE 3</b>								

ITEM	DESCRIPTION	الوحدة	الكمية		السعر بالدولار		الإجمالي رقمًا	
		UNIT	QTY	QTY.IN WORDS	RATE	RATE IN WORDS	Total in figures	
1.2.1	as above, trench 50 cm wide and 150 cm deep	LM	4,000	Four Thousand,				
1.2.2	as above, trench 50 cm wide and 100 cm deep	LM	50,000	Fifty Thousand,				
1.2.3	as above, trench 50 cm wide and 80 cm deep	LM	1,000	One Thousand,				
1.2.4	as above, trench 30 cm wide and 150 cm deep	LM	1,000	One Thousand,				
1.2.5	as above, trench 30 cm wide and 100 cm deep	LM	50,000	Fifty Thousand,				
1.2.6	as above, trench 30 cm wide and 80 cm deep	LM	1,000	One Thousand,				
<b>SUB TOTAL PAGE 4</b>								

ITEM	DESCRIPTION	الوحدة	الكمية		السعر بالدولار		الإجمالي رقمًا	
		UNIT	QTY	QTY.IN WORDS	RATE	RATE IN WORDS	Total in figures	
1.3	Execution of a <b>micro-trench and restoration to the original position</b> , regardless the type of soil and surface as per the specifications of MOHPW and Municipalities in the kingdom, and supply and installation of the warning tape, electronic identifiers.							
1.3.1	as above, trench for 20 cm wide and 100 cm deep	LM	23,000	Twenty- Three Thousand				
1.3.2	as above, trench for 20 cm wide and 80 cm deep	LM	1,000	One Thousand,				
1.3.3	as above, trench for 20 cm wide and 60 cm deep	LM	1,000	One Thousand,				
1.3.4	as above, trench for 15 cm wide and 80 cm deep	LM	100,000	One Hundred Thousand				
1.3.5	as above, trench for 15 cm wide and 60 cm deep	LM	1,000	One Thousand,				
SUB TOTAL PAGE 5								

ITEM	DESCRIPTION	الوحدة	الكمية		السعر بالدولار		الإجمالي رقمًا	
		UNIT	QTY	QTY.IN WORDS	RATE	RATE IN WORDS	Total in figures	
1.4	<p><b>Trenchless excavation</b> for one duct telecommunication in asphalted streets/railway with all required soil boring.</p> <p>Price includes all necessary work and all accessories to install the main duct &amp; sub ducts. The execution using horizontal directional drilling .The contractor shall provide all materials, equipment, and facilities required, Maintain proper alignment and elevation of the borehole throughout the directional drilling operation. The method used must conform to the requirements of all applicable permits.</p>	LM	480	four hundred eighty				
<b>SUB TOTAL PAGE 6</b>								

ITEM	DESCRIPTION	الوحدة	الكمية		السعر بالدولار		الإجمالي رقمًا	
		UNIT	QTY	QTY.IN WORDS	RATE	RATE IN WORDS	Total in figures	
1.5	<p><b>Restore the terrain to it's original status before excavation</b></p> <p>*Supply and execute a layer of hot mix Asphalt 7cm thickness after compacting to reach a degree of 98% (according to Marshal Test) for all areas where Asphalted layer that should be removed) to meet the requirements of the responsible authorities .</p> <p>(and to re-instate the terrain to original status using the finisher with full cleanness.</p> <p>Price includes : liquid asphalt ( MC 70 ) at the average of 1.5 KG /m2 approx.</p>							
1.5.1	as above, trench excavation 50 cm wide	LM	86,961	Eighty-Six Thousand, Nine Hundred Sixty-One				
1.5.2	as above, trench excavation 30 cm wide	LM	40,000	Forty Thousand				
1.5.3	as above, trench excavation 20 cm wide	LM	25,000	Twenty-Five Thousand				
<b>SUB TOTAL PAGE 7</b>								

ITEM	DESCRIPTION	الوحدة	الكمية		السعر بالدولار		الإجمالي رقمًا	
		UNIT	QTY	QTY.IN WORDS	RATE	RATE IN WORDS	Total in figures	
1.5.4	as above, trench excavation 15 cm wide	LM	2,000	Two Thousand				
1.6	<b>Restore the terrain to it's original status before excavation</b> Supply and execute <b>pavement slabs</b> of various types and colors, or concrete ground.as per specification and contract conditions							
1.6.1	as above, trench for 50 cm wide	LM	5,052	five thousand, fifty-two				
1.6.2	as above, trench for 30 cm wide	LM	500	five hundred				
1.6.3	as above, trench for 15 cm wide and 80 cm deep	LM	100	one hundred				
1.7	<b>Street cross sections restore the terrain to it's original status before excavation as required from MOHPW and Municipalities in the kingdom)</b> Supply and execute a layer of <b>hot mix Asphalt</b> after compacting to reach a degree of 98% (according to Marshal Test). REFER To ANNEX G	M2	300	three hundred				
<b>SUB TOTAL PAGE 8</b>								



ITEM	DESCRIPTION	الوحدة	الكمية		السعر بالدولار		الإجمالي رقمًا	
		UNIT	QTY	QTY.IN WORDS	RATE	RATE IN WORDS	Total in figures	
1.8	Supply and cast <b>in place reinforced concrete</b> with minimum cube crushing strength of 200 Kg/cm2 after 28 days, to protect the ducts where trench's route crosses flood's routes or valleys, and where required according to the Engineer's instructions. Price includes all shuttering works.	M3	80	eighty				
1.9	<b>CLEAN PREVIOUS EXISTING ROUTES</b>							
	Prepare and Clean Existing Sub-Duct, blow Plastic rope and all requirements works and material to be ready to install a new Optical Fiber Cable according the Contracts Specifications and Engineer's approval.	LM	1,000	one thousand				
<b>SUB TOTAL PAGE 9</b>								

ITEM	DESCRIPTION	الوحدة	الكمية		السعر بالدولار		الإجمالي رقمًا	
		UNIT	QTY	QTY.IN WORDS	RATE	RATE IN WORDS	Total in figures	
<b>2</b>	<b>CHAMBERS</b>							
2.1	Supply, deliver ,install and execute a <b>pre-cast man-holes</b> (120*68*82cm) as internal dimensions with base and walls of 15 cm thickness, with a fair-face surface made from reinforced concrete with a minimum cube crushing strength of 260 kg/cm2 after 28 days Prices include excavation, material, shuttering, pouring, reinforcement steel , mesh accessories, fixing the required plastic pipes, manhole's mesh and the metallic manhole cover that should be lockable and of heavy type 40 ton load waterproof and backfilling around the manhole, according to the specifications, drawings and the Supervising Engineer's instructions.	NO	511	five hundred eleven				
<b>SUB TOTAL PAGE10</b>								

ITEM	DESCRIPTION	الوحدة	الكمية		السعر بالدولار		الإجمالي رقمًا	
		UNIT	QTY	QTY.IN WORDS	RATE	RATE IN WORDS	Total in figures	
2.2	Supply, deliver ,install and execute a <b>pre-cast man-holes</b> (100*100*100cm) as internal dimensions with base and walls of 20 cm thickness, with a fair-face surface made from reinforced concrete with a minimum cube crushing strength of 250 kg/cm2 after 28 days Prices include excavation, material, shuttering, pouring, reinforcement steel , mesh accessories, fixing the required plastic pipes, manhole's mesh and the metallic manhole cover that should be lockable and of heavy type 40 ton load waterproof and backfilling around the manhole, according to the specifications, drawings and the Supervising Engineer's instructions.	NO	100	one hundred				
<b>SUB TOTAL PAGE11</b>								

ITEM	DESCRIPTION	الوحدة	الكمية		السعر بالدولار		الإجمالي رقمًا	
		UNIT	QTY	QTY.IN WORDS	RATE	RATE IN WORDS	Total in figures	
2.3	Supply, deliver, install and execute a <b>pre-cast hand-holes</b> (91.5*46*82cm) as internal dimensions with base and walls of 15 cm thickness, with a fair-face surface made from reinforced concrete with a minimum cube crushing strength of 250 kg/cm <sup>2</sup> after 28 days Prices include excavation, material, shuttering, pouring, reinforcement steel, mesh accessories, fixing the required plastic pipes, hand-hole's mesh and the metallic hand-hole cover that should be lockable and of heavy type 40 ton load waterproof and backfilling around the hand-hole, according to the specifications , drawings and the Supervising Engineer's instructions.	NO	592	five hundred ninety-two				
<b>SUB TOTAL PAGE12</b>								

ITEM	DESCRIPTION	الوحدة	الكمية		السعر بالدولار		الإجمالي رقمًا	
		UNIT	QTY	QTY.IN WORDS	RATE	RATE IN WORDS	Total in figures	
2.4	Supply, Deliver, install and execute a <b>pull boxes (50*26*50 cm)</b> as internal dimensions with base and walls of 10 cm thickness with fair-face surface finish made from reinforced concrete with minimum cube crushing strength of 200 kg/cm2 after 28 days, the cover shall be reinforced concrete type of 10cm thickness, with all related accessories according to specifications, drawings, and Engineer's instruction	NO	176	One Hundred Seventy- Six				
<b>3</b>	<b>PIPES &amp; CONDUITES</b>							
3.1	Supply and install a <b>HDPE (5) sub-ducts</b> including trace wire and pull plastic wire for pulling inside each subduct, , different colors inside one corrugated or ribbed duct, One <b>HDPE duct</b> inside the trench, as per specifications, drawings, and the Engineer's instructions. REFER To ANNEX B5 *price include Flanges, accessories, fittings, and all material required for installation the main ducts and sub ducts.	LM	352,852	three hundred fifty-two thousand, eight hundred fifty-two				
	<b>SUB TOTAL PAGE13</b>							

ITEM	DESCRIPTION	الوحدة	الكمية		السعر بالدولار		الإجمالي رقمًا	
		UNIT	QTY	QTY.IN WORDS	RATE	RATE IN WORDS	Total in figures	
3.2	Supply and install a <b>HDPE (3) sub-ducts</b> different colors including trace wire and pull plastic wire for pulling insude each subduct inside One corrugated or ribbed duct, one <b>HDPE duct</b> inside the trench, as per specifications, drawings, and the Engineer's instructions .REFER To ANNEX B5 *price includes the Flanges, accessories, fittings, and all material required for installation the main ducts and sub ducts.	LM	110,840	one hundred ten thousand, eight hundred forty				
3.3	Supply and install <b>HDPE pipes (32mm internal diameter)</b> and all related accessories according to specifications and instructions Supervising .engineer	LM	948	nine hundred forty-eight				
3.4	Supply and install white color <b>UPVC pipes (32mm internal diameter)</b> with all related accessories (joints, fittings, connectors...etc..) to be installed where required in accordance with the Supervising Engineer's guidance .	LM	917	nine hundred seventeen				
<b>SUB TOTAL PAGE 14</b>								

ITEM	DESCRIPTION	الوحدة	الكمية		السعر بالدولار		الإجمالي رقمًا	
		UNIT	QTY	QTY.IN WORDS	RATE	RATE IN WORDS	Total in figures	
3.5	Supply and install <b>6 inches galvanized steel pipes</b> Class B, to be used in railway crossings and bridge crossings, if required as per specifications, drawings, the requirements of the Supervising engineer.	LM	739	seven hundred thirty-nine				
3.6	Supply and install <b>Ø 4" galvanized pipe</b> Class A to be fixed where required. including all installed and required the supervising engineer's guidance.	LM	115	one hundred fifteen				
3.7	Supply and install <b>Ø 1" galvanized pipe</b> Class A to be fixed where required. including all installed and required the Supervising Engineer's guidance .	LM	50	fifty				
3.8	Supply and install <b>galvanized U-guard</b> cable protector including all related accessories, as per specifications, drawings, and instructions of the Engineer.	LM	917	nine hundred seventeen				
3.9	Supply and install <b>cable tray</b> measuring (150 x10), as per drawings, specifications and instructions of the Engineer	LM	350	three hundred fifty				
<b>SUB TOTAL PAGE 15</b>								

ITEM	DESCRIPTION	الوحدة	الكمية		السعر بالدولار		الإجمالي رقمًا	
		UNIT	QTY	QTY.IN WORDS	RATE	RATE IN WORDS	Total in figures	
<b>4</b>	<b>OPTICAL FIBER CALES</b>							
	Supply and Install loose Optical Fiber Cable OS2 With all related accessories and fittings as per specifications . REFER To ANNEX B-1							
4.1	Optical Fiber Cable 144 core.	LM	21,565	twenty-one thousand, five hundred sixty-five				
4.2	Optical Fiber Cable 96 core.	LM	275,581	two hundred seventy-five thousand, five hundred eighty-one				
4.3	Optical Fiber Cable 72 core	LM	15,461	fifteen thousand, four hundred sixty-one				
	<b>SUB TOTAL PAGE 16</b>							



ITEM	DESCRIPTION	الوحدة	الكمية		السعر بالدولار		الإجمالي رقمًا	
		UNIT	QTY	QTY.IN WORDS	RATE	RATE IN WORDS	Total in figures	
4.4	Optical Fiber Cable 48 core.	LM	19,507	nineteen thousand, five hundred seven				
4.5	Optical Fiber Cable 24 core.	LM	75,119	seventy-five thousand, one hundred nineteen				
<b>5</b>	<b>SPLICING &amp; ENCLOSURES</b>							
	Supply and install a splicing enclosure for optical fiber cables with all related splicing works, tests, to prepare the cable for service with all accessories and fittings as per specification and the engineer instruction :							
5.1	Splicing Enclosure for Optical Fiber Cable 144 core.	NO	32	thirty-two				
5.2	Splicing Enclosure for Optical Fiber Cable 96 core.	NO	124	one hundred twenty-five				
5.3	Splicing Enclosure for Optical Fiber Cable 72 core.	NO	10	ten				
5.4	Splicing Enclosure for Optical Fiber Cable 48 core.	NO	15	fifteen				
	<b>SUB TOTAL PAGE 17</b>							

ITEM	DESCRIPTION	الوحدة	الكمية		السعر بالدولار		الإجمالي رقمًا	
		UNIT	QTY	QTY.IN WORDS	RATE	RATE IN WORDS	Total in figures	
5.5	Splicing Enclosure for Optical Fiber Cable 24 core.	NO	45	forty-five				
<b>6</b>	<b>OPTICAL DISTRIBUTION FRAME</b>							
	Complete set of Optical Distribution Frame including all related components, pig tails, connectors,...etc. and all required materials and works to prepared the ODF for service as per specification and the engineer instruction:							
6.1	Optical Distribution Frame for 144 fibers cable.	NO	4	four				
6.2	Optical Distribution Frame for 96 fibers cable.	NO	47	forty-seven				
6.3	Optical Distribution Frame for 72 fibers cable.	NO	1	one				
6.4	Optical Distribution Frame for 48 fibers cable.	NO	1	one				
	<b>SUB TOTAL PAGE 18</b>							

ITEM	DESCRIPTION	الوحدة	الكمية		السعر بالدولار		الإجمالي رقمًا	
		UNIT	QTY	QTY.IN WORDS	RATE	RATE IN WORDS	Total in figures	
6.5	Optical Distribution Frame for 24 fibers cable.	NO	174	one hundred seventy-four				
6.6	Supply a single mode duplex patch cord 10m with SC/LC connector.	LM	1	one				
6.7	Supply a single mode duplex patch cord 5m with SC/LC connector.	LM	1	one				
6.8	Supply a single mode duplex patch cord 3m with SC/LC connector .	LM	1	one				
<b>7</b>	<b>NETWORK CABINET</b>							
	Supply and install network cabinets with cable organizer, power distribution unit (4 outlets) with glass door, lamp, lock , & aircondion..							
7.1	Supply and Install a network cabinet (rack)19" standard, 42U	NO	13	thirteen				
7.2	Supply and Install a network cabinet (rack)19" standard, 9U	NO	174	one hundred seventy-four				
	<b>SUB TOTAL PAGE 19</b>							

ITEM	DESCRIPTION	الوحدة	الكمية		السعر بالدولار		الإجمالي رقمًا	
		UNIT	QTY	QTY.IN WORDS	RATE	RATE IN WORDS	Total in figures	
<b>8</b>	<b>MOBILIZATION</b>							
	The contractor shall supply and deliver to the owner the following items							
8.1	Two (Qty 2) cars ( 4x4) model 2019 as specified in special conditions	Month	18	eighteen				
8.2	Two (Qty 2) car pickup ( 4x4) model 2019 as specified in special conditions	Month	18	eighteen				
8.3	One (Qty 1) Office for consultant Engineers as specified in special conditions	Month	18	eighteen				
8.4	One (Qty 1) apartment for consulting engineers as specified in special conditions	Month	18	eighteen				
	<b>SUB TOTAL PAGE 20</b>							

ITEM	DESCRIPTION	الوحدة	الكمية	QTY.IN WORDS	السعر بالدولار	RATE IN WORDS	الإجمالي رقمًا	Total in figures
		UNIT	QTY	QTY.IN WORDS	RATE	RATE IN WORDS	Total in figures	
<b>GROUND TOTAL SHEET</b>								
		الإجمالي كتابة					الإجمالي رقمًا	
		Total in words					Total in figures	
	SUBTOTAL PAGE 1							
	SUBTOTAL PAGE 2							
	SUBTOTAL PAGE 3							
	SUBTOTAL PAGE 4							
	SUBTOTAL PAGE 5							
	SUBTOTAL PAGE 6							
	SUBTOTAL PAGE 7							
	SUBTOTAL PAGE 8							
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