

# ANNEX SEVEN / TRANSPORT & COMMUNICATIONS / TELECOMMUNICATIONS

**Sub-sector : Baghdad - Ramadi - Trebil Optical Fiber Cable Link**

**Site-Name :Baghdad**

Code	Item Description	Unit	Qty.	Complementary Items
07-04-01000	Optical Fiber Outside Plant including :	Lot	1	Civil Works
07-04-01001	-Optical Fiber Cable, 12F. SM10/125 with Rodent & UV Protection Sheath , in 2-5KM drums.	KM	175	
07-04-01002	-Optical Fiber Cable Joint Kits, Closures, Terminating Cabinets, Pigtails, Connectors, ETC----	Lot	1	
07-04-01003	-Plastic Sub-Duct smooth pipes silicon coated inner wall.	KM	350	
07-04-01004	-Machinery & Materials For Excavation & Cable Laying including :(1 Shovel, 1 Plowing & Laying Machine, 2 Hydraulic Cable Trailer, 1 Boring Machine, 1 Concrete Cutter, 1Forklift, 1 Cable Jet Machine, 2 Air Compressors, 1 Set Surveying Instruments, Pre Lubricating water 20 Packs, Por-	Lot	1	
07-04-01005	table 5KVA Gen., 2 Jointer Tests ETC-----). -Test Equipment Including : (10.F Fusion Splicer , 1 O.T.D.R, 1 Cable Locator, 1 Optical Power meter, 1 Stabilized Light Source, 2 Talk set at 1310/1550 nm, Attenuaters, 2 Specialized O.F Cable tools box, ETC----- ).	Lot	1	
07-04-01006	SDH Optical Line Equipment, 1310nm Optical T/R ,1:1 Protection plus SDH-STM-1, STM-4 multiplexers, Matrix ( Duplicated ), 140 , 34 & 2Mbit/s Tributaries, Control Switches, Primary Multiplexers & Signaling Converters, ETC----- all installed in standard , Subracks & Racks with duplicated stabilized 48v. D.C units, Alarm LEDs , Interface ports for Network Management & fault diagnosis, all complete with cabling , connectors, peripherals ETC-----.	Lot	1	
07-04-01007	Central Network Management System (NMS) including: Hardware Platform & Software system ,interfaces, mediation devices, & peripherals as required.	Lot	1	
07-04-01008	A.C/D.C Power Plant including:	Lot	1	
07-04-01009	-50KVA Diesel Engine /Generator sets with	Set	1	

07-04-01010	control cubicle & Power Switches (Contactors), 24v. Stating Batteries (120AH) & Charger. Station Batteries 48v./200AH. Switched Module Rectifier (30A) Per Module, (3+1). Test Equipment For Operation & Maintenance including : (2 SDH / PDH Analyzer , Optical Spectrum Analyzer, 1 Frequency Counter,1 Function Generator, 1 Network Analyzer,3Digital Multimeter, 1 Digitizing Oscilloscope, all complet with accessories & cords ,ETC -----.	Set	2	
07-04-01011		Set	1	
07-04-01012		Lot	1	
07-04-01013		Unit	2	
	Air Conditioning 5 Ton Packaged Unit Complete with installation materials & R22 Refrigerant as required.			
07-04-01014	Spare Units & Parts 10% Of Station Equipment	Lot	1	
07-04-01015	Services -Super vision for 12 months. -Training Aboard. -Training in Iraq.	Expert	2	
07-04-01016		Trainee	4	
07-04-01017		Trainee	8	
07-04-01018				
07-04-01019	Vehicle's Work Shops, And Ancillaries including: One 20 Ton Lorry with 5-10Tcrane,Two double cabin pickups, One 40Klit Water tank truck , 40Klit Oil tank truck, One 4x4 wheel drive Land Rover, Two Mobile work shop vans all with spare tires & parts for 2 years operation, Fire Figh ting Truck, Fire Extinguishers(5-50)kg, Exhaust Fans, Smoke/Heat/Fire Detectors & Alarms ETC-----.	Lot	1	

## **ANNEX SEVEN / TRANSPORT & COMMUNICATIONS / TELECOMMUNICATIONS**

**Sub-sector : Baghdad - Ramadi - Trebil Optical Fiber Cable Link**

**Site-Name : Ramadi**

Code	Item Description	Unit	Qty.	Complementary Items
07-04-02000	Optical Fiber Outside Plant including :	Lot	1	Civil Works
07-04-02001	-Optical Fiber Cable, 12F. SM10/125 with Rodent & UV Protection Sheath , in 2-5KM drums.	KM	175	
07-04-02002	-Optical Fiber Cable Joint Kits, Closures, Terminating Cabinets, Pigtailes, Connectors, ETC----	Lot	1	
07-04-02003	-Plastic Sub-Duct smooth pipes silicon coated inner wall.	KM	350	
07-04-02004	-Machinery & Materials For Excavation & Cable Laying including :(1 Shovel, 1 Plowing & Laying Machine, 2 Hydraulic Cable Trailer, 1 Boring Machine, 1 Concrete Cutter, 1Forklift, 1 Cable Jet Machine, 2 Air Compressors, 1 Set Surveying Instruments, Pre Lubricating water 20 Packs, Por-	Lot	1	
07-04-02005	table 5KVA Gen., 2 Jointer Tests ETC-----). -Test Equipment Including : (10.F Fusion Splicer , 1 O.T.D.R, 1 Cable Locator, 1 Optical Power meter, 1 Stabilized Light Source, 2 Talk set at 1310/1550 nm, Attenuaters, 2 Specialized O.F Cable tools box, ETC----- ).	Lot	1	
07-04-02006	SDH Optical Line Equipment, 1310nm Optical T/R ,1:1 Protection plus SDH-STM-1, STM-4 multiplexers, Matrix ( Duplicated ), 140 , 34 & 2Mbit/s Tributaries, Control Switches, Primary Multiplexers & Signaling Converters, ETC----- all installed in standard , Subracks & Racks with duplicated stabilized 48v. D.C units, Alarm LEDs , Interface ports for Network Management & fault diagnosis, all complete with cabling , connectors, peripherals ETC-----.	Lot	1	
07-04-02007	Local Network Management System (NMS) including: Hardware Platform & Software system ,interfaces, mediation devices, & peripherals as required.	Lot	1	
07-04-02008	A.C/D.C Power Plant including:	Lot	1	
07-04-02009	-50KVA Diesel Engine /Generator sets with control cubicle & Power Switches (Contactors),	Set	1	
07-04-02010	24v. Stating Batteries (120AH) & Charger.	Set	2	
07-04-02011	Station Batteries 48v./200AH.	Set	1	
07-04-02012	Switched Module Rectifier (30A) Per Module, (3+1). Test Equipment For Operation & Maintenance including : (2 SDH / PDH Analyzer , Optical	Lot	1	

07-04-02013	Spectrum Analyzer, 1 Frequency Counter, 1 Function Generator, 1 Network Analyzer, 3 Digital Multimeter, 1 Digitizing Oscilloscope, all complet with accessories & cords ,ETC -----.	Unit	2	
	Air Conditioning 5 Ton Packaged Unit Complete with installation materials & R22 Refrigerant as required.			
07-04-02014	Spare Units & Parts 10% Of Station Equipment	Lot	1	
07-04-02015	Services			
07-04-02016	-Super vision for 12 months.	Expert	1	
07-04-02017	-Training Aboard.	Trainee	2	
07-04-02018	-Training in Iraq.	Trainee	4	
07-04-02019	Vehicle's Work Shops, And Ancillaries including: One 20 Ton Lorry with 5-10Tcrane, Two double cabin pickups, One 40Klit Water tank truck , 40Klit Oil tank truck, One 4x4 wheel drive Land Rover, Two Mobile work shop vans all with spare tires & parts for 2 years operation, Fire Figh ting Truck, Fire Extinguishers(5-50)kg, Exhaust Fans, Smoke/Heat/Fire Detectors & Alarms ETC-----.	Lot	1	

## ANNEX SEVEN / TRANSPORT & COMMUNICATIONS / TELECOMMUNICATIONS

**Sub-sector : Baghdad - Ramadi - TREBIL Optical Fiber Cable Link**

**Site-Name : Kilo - 160**

Code	Item Description	Unit	Qty.	Complementary Items
07-04-03000	Optical Fiber Outside Plant including :	Lot	1	Civil Works
07-04-03001	-Optical Fiber Cable, 12F. SM10/125 with Rodent & UV Protection Sheath , in 2-5KM drums.	KM	175	
07-04-03002	-Optical Fiber Cable Joint Kits, Closures, Terminating Cabinets, Pigtails, Connectors, ETC----.	Lot	1	

07-04-03003	-Plastic Sub-Duct smooth pipes silicon coated inner wall.	KM	350	
07-04-03004	-Machinery & Materials For Excavation & Cable Laying including :(1 Shovel, 1 Plowing & Laying Machine, 2 Hydraulic Cable Trailer, 1 Boring Machine, 1 Concrete Cutter, 1Forklift, 1 Cable Jet Machine, 2 Air Compressors, 1 Set Surveying Instruments, Pre Lubricating water 20 Packs, Por-	Lot	1	
07-04-03005	table 5KVA Gen., 2 Jointer Tests ETC-----). -Test Equipment Including : (1O.F Fusion Splicer , 1 O.T.D.R, 1 Cable Locator, 1 Optical Power meter, 1 Stabilized Light Source, 2 Talk set at 1310/1550 nm, Attenuaters, 2 Specialized O.F Cable tools box, ETC----- ).	Lot	1	
07-04-03006	SDH Optical Line Equipment, 1310nm Optical T/R ,1:1 Protection plus SDH-STM-1, STM-4 multiplexers, Matrix ( Duplicated ), 140 , 34 & 2Mbit/s Tributaries, Control Switches, Primary Multiplexers & Signaling Converters, ETC----- all installed in standard , Subracks & Racks with duplicated stabilized 48v. D.C units, Alarm LEDs , Interface ports for Network Management & fault diagnosis, all complete with cabling , connectors, peripherals ETC-----.	Lot	1	
07-04-03007	Local Network Management System (NMS) including: Hardware Platform & Software system ,interfaces, mediation devices, & peripherals as required.	Lot	1	
07-04-03008	A.C/D.C Power Plant including:	Lot	1	
07-04-03009	-50KVA Diesel Engine /Generator sets with control cubicle & Power Switches (Contactors),	Set	1	
07-04-03010	24v. Stating Batteries (120AH) & Charger.	Set	2	
07-04-03011	Station Batteries 48v./200AH.	Set	1	
07-04-03012	Switched Module Rectifier (30A) Per Module, (3+1). Test Equipment For Operation & Maintenance including : (2 SDH / PDH Analyzer , Optical Spectrum Analyzer, 1 Frequency Counter,1 Function Generator, 1 Network Analyzer,3Digital Multimeter, 1 Digitizing Oscilloscope, all complet with accessories & cords ,ETC -----.	Lot	0	
07-04-03013	Air Conditioning 5 Ton Packaged Unit Complete with installation materials & R22 Refrigerant as	Unit	2	

	required.			
07-04-03014	Spare Units & Parts 10% Of Station Equipment	Lot	1	
07-04-03015	Services			
07-04-03016	-Super vision for 12 months.	Expert	1	
07-04-03017	-Training Aboard.	Trainee	2	
07-04-03018	-Training in Iraq.	Trainee	4	
07-04-03019	Vehicle's Work Shops, And Ancillaries including: One 20 Ton Lorry with 5-10Tcrane,Two double cabin pickups, One 40Klit Water tank truck , 40Klit Oil tank truck, One 4x4 wheel drive Land Rover, Two Mobile work shop vans all with spare tires & parts for 2 years operation, Fire Figh ting Truck, Fire Extinguishers(5-50)kg, Exhaust Fans, Smoke/Heat/Fire Detectors & Alarms ETC-----.	Lot	1	

## ANNEX SEVEN / TRANSPORT & COMMUNICATIONS / TELECOMMUNICATIONS

**Sub-sector : Baghdad - Ramadi - TREBIL Optical Fiber Cable Link**

**Site-Name : Rutba**

Code	Item Description	Unit	Qty.	Complementary Items
07-04-04000	Optical Fiber Outside Plant including :	Lot	1	Civil Works
07-04-04001	-Optical Fiber Cable, 12F. SM10/125 with Rodent & UV Protection Sheath , in 2-5KM drums.	KM	175	
07-04-04002	-Optical Fiber Cable Joint Kits, Closures, Terminating Cabinets, Pigtailes, Connectors, ETC----.	Lot	1	
07-04-04003	-Plastic Sub-Duct smooth pipes silicon coated inner wall.	KM	350	
07-04-04004	-Machinery & Materials For Excavation & Cable Laying including :(1 Shovel, 1 Plowing & Laying Machine, 2 Hydraulic Cable Trailer, 1 Boring Machine, 1 Concrete Cutter, 1Forklift, 1 Cable Jet Machine, 2 Air Compressors, 1 Set Surveying Instruments, Pre Lubricating water 20 Packs,	Lot	1	

07-04-04005	Por- table 5KVA Gen., 2 Jointer Tests ETC-----). -Test Equipment Including : (10.F Fusion Splicer , 1 O.T.D.R, 1 Cable Locator, 1 Optical Power meter, 1 Stabilized Light Source, 2 Talk set at 1310/1550 nm, Attenuators, 2 Specialized O.F Cable tools box, ETC----- ).	Lot	1	
07-04-04006	SDH Optical Line Equipment, 1310nm Optical T/R ,1:1 Protection plus SDH-STM-1, STM-4 multiplexers, Matrix ( Duplicated ), 140 , 34 & 2Mbit/s Tributaries, Control Switches, Primary Multiplexers & Signaling Converters, ETC----- all installed in standard , Subracks & Racks with duplicated stabilized 48v. D.C units, Alarm LEDs , Interface ports for Network Management & fault diagnosis, all complete with cabling , connectors, peripherals ETC-----.	Lot	1	
07-04-04007	Local Network Management System (NMS) including: Hardware Platform & Software system ,interfaces, mediation devices, & peripherals as required.	Lot	1	
07-04-04008	A.C/D.C Power Plant including: -50KVA Diesel Engine /Generator sets with control cubicle & Power Switches (Contactors), 24v. Stating Batteries (120AH) & Charger. Station Batteries 48v./200AH. Switched Module Rectifier (30A) Per Module, (3+1). Test Equipment For Operation & Maintenance including : (2 SDH / PDH Analyzer , Optical Spectrum Analyzer, 1 Frequency Counter,1 Function Generator, 1 Network Analyzer,3Digital Multimeter, 1 Digitizing Oscilloscope, all complet with accessories & cords ,ETC -----.	Lot	1	
07-04-04009		Set	1	
07-04-04010		Set	2	
07-04-04011		Set	1	
07-04-04012		Lot	1	
07-04-04013		Unit	2	
	Air Conditioning 5 Ton Packaged Unit Complete with installation materials & R22 Refrigerant as required.			
07-04-04014	Spare Units & Parts 10% Of Station Equipment	Lot	1	
07-04-04015	Services	Expert Trainee Trainee	1	
07-04-04016	-Super vision for 12 months.		2	
07-04-04017	-Training Aboard.		4	
07-04-04018	-Training in Iraq.			
07-04-04019	Vehicle's Work Shops, And Ancillaries including: One 20 Ton Lorry with 5-10Tcrane,Two double	Lot	1	

	cabin pickups, One 40Klit Water tank truck , 40Klit Oil tank truck, One 4x4 wheel drive Land Rover, Two Mobile work shop vans all with spare tires & parts for 2 years operation, Fire Fighting Truck, Fire Extinguishers(5-50)kg, Exhaust Fans, Smoke/Heat/Fire Detectors & Alarms ETC-----.			
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## ANNEX SEVEN / TRANSPORT & COMMUNICATIONS / TELECOMMUNICATIONS

**Sub-sector : Baghdad - Ramadi - Trebil Optical Fiber Cable Link**

**Site-Name : Trebil**

Code	Item Description	Unit	Qty.	Complementary Items
07-04-05000	Optical Fiber Outside Plant including :	Lot	1	Civil Works
07-04-05001	-Optical Fiber Cable, 12F. SM10/125 with Rodent & UV Protection Sheath , in 2-5KM drums.	KM	10	
07-04-05002	-Optical Fiber Cable Joint Kits, Closures, Term- inating Cabinets, Pigtailed, Connectors, ETC----	Lot	1	
07-04-05003	-Plastic Sub-Duct smooth pipes silicon coated inner wall.	KM	20	
07-04-05004	-Machinery & Materials For Excavation & Cable Laying including :(1 Shovel, 1 Plowing & Laying Machine, 2 Hydraulic Cable Trailer, 1 Boring Machine, 1 Concrete Cutter, 1Forklift, 1 Cable Jet Machine, 2 Air Compressors, 1 Set Surveying Instruments, Pre Lubricating water 20 Packs, Por-	Lot	1	
07-04-05005	table 5KVA Gen., 2 Jointer Tests ETC-----). -Test Equipment Including : (1O.F Fusion Splicer , 1 O.T.D.R, 1 Cable Locator, 1 Optical Power meter, 1 Stabilized Light Source, 2 Talk set at 1310/1550 nm, Attenuators, 2 Specialized O.F Cable tools box, ETC----- ).	Lot	1	
07-04-05006	SDH Optical Line Equipment, 1310nm Optical	Lot	1	



07-04-05007	T/R ,1:1 Protection plus SDH-STM-1, STM-4 multiplexers, Matrix ( Duplicated ), 140 , 34 & 2Mbit/s Tributaries, Control Switches, Primary Multiplexers & Signaling Converters, ETC----- all installed in standard , Subracks & Racks with duplicated stabilized 48v. D.C units, Alarm LEDs , Interface ports for Network Management & fault diagnosis, all complete with cabling , connectors, peripherals ETC-----.	Lot	1	
07-04-05008	Local Network Management System (NMS) including: Hardware Platform & Software system ,interfaces, mediation devices, & peripherals as required.	Lot	1	
07-04-05009	A.C/D.C Power Plant including: -50KVA Diesel Engine /Generator sets with control cubicle & Power Switches (Contactors),	Set	1	
07-04-05010	24v. Stating Batteries (120AH) & Charger.	Set	2	
07-04-05011	Station Batteries 48v./200AH.	Set	1	
07-04-05012	Switched Module Rectifier (30A) Per Module, (3+1). Test Equipment For Operation & Maintenance including : (2 SDH / PDH Analyzer , Optical Spectrum Analyzer, 1 Frequency Counter,1 Function Generator, 1 Network Analyzer,3Digital Multimeter, 1 Digitizing Oscilloscope, all complet with accessories & cords ,ETC -----.	Lot	0	
07-04-05013		Unit	2	
	Air Conditioning 5 Ton Packaged Unit Complete with installation materials & R22 Refrigerant as required.			
07-04-05014	Spare Units & Parts 10% Of Station Equipment	Lot	1	
07-04-05015	Services	Expert	1	
07-04-05016	-Super vision for 12 months.	Trainee	2	
07-04-05017	-Training Aboard.	Trainee	4	
07-04-05018	-Training in Iraq.			
07-04-05019	Vehicle's Work Shops, And Ancillaries including: One 20 Ton Lorry with 5-10Tcrane,Two double cabin pickups, One 40Klit Water tank truck , 40Klit Oil tank truck, One 4x4 wheel drive Land Rover, Two Mobile work shop vans all with spare tires & parts for 2 years operation, Fire Figh ting Truck, Fire Extinguishers(5-50)kg, Exhaust Fans, Smoke/Heat/Fire Detectors & Alarms ETC-----.	Lot	1	

## ANNEX SEVEN / TRANSPORT & COMMUNICATIONS / TELECOMMUNICATIONS

**Sub-sector : Baghdad - Ramadi - Trabil Optical Fiber Cable Link**

**Site-Name : Baghdad Maintenance Center**

Code	Item Description	Unit	Qty.	Complementary Items
07-04-06000	Optical Fiber Outside Plant including :	Lot	1	Civil Works
07-04-06001	-Optical Fiber Cable, 12F. SM10/125 with Rodent & UV Protection Sheath , in 2-5KM drums.	KM	5	
07-04-06002	-Optical Fiber Cable Joint Kits, Closures, Terminating Cabinets, Pigtails, Connectors, ETC----	Lot	1	
07-04-06003	-Plastic Sub-Duct smooth pipes silicon coated inner wall.	KM	5	
07-04-06004	-Machinery & Materials For Excavation & Cable Laying including :(1 Shovel, 1 Plowing & Laying Machine, 2 Hydraulic Cable Trailer, 1 Boring Machine, 1 Concrete Cutter, 1Forklift, 1 Cable Jet Machine, 2 Air Compressors, 1 Set Surveying Instruments, Pre Lubricating water 20 Packs, Por-	Lot	1	
07-04-06005	table 5KVA Gen., 2 Jointer Tests ETC-----). -Test Equipment Including : (1O.F Fusion Splicer , 1 O.T.D.R, 1 Cable Locator, 1 Optical Power meter, 1 Stabilized Light Source, 2 Talk set at 1310/1550 nm, Attenuaters, 2 Specialized O.F Cable tools box, ETC----- ).	Lot	1	
07-04-06006	SDH Optical Line Equipment, 1310nm Optical T/R ,1:1 Protection plus SDH-STM-1, STM-4 multiplexers, Matrix ( Duplicated ), 140 , 34 & 2Mbit/s Tributaries, Control Switches, Primary Multiplexers & Signaling Converters, ETC-----all installed in standard , Subracks & Racks with duplicated stabilized 48v. D.C units, Alarm LEDs , Interface ports for Network Management &	Lot	1	

07-04-06007	fault diagnosis, all complete with cabling , connectors, peripherals ETC-----.	Lot	1	
07-04-06008	Central Network Management System (NMS) including: Hardware Platform & Software system ,interfaces, mediation devices, & peripherals as required.	Lot	1	
07-04-06009	A.C/D.C Power Plant including: -50KVA Diesel Engine /Generator sets with control cubicle & Power Switches (Contactors),	Set	1	
07-04-06010	24v. Stating Batteries (120AH) & Charger.	Set	2	
07-04-06011	Station Batteries 48v./200AH.	Set	1	
07-04-06012	Switched Module Rectifier (30A) Per Module, (3+1). Test Equipment For Operation & Maintenance including : (2 SDH / PDH Analyzer , Optical Spectrum Analyzer, 1 Frequency Counter,1 Function Generator, 1 Network Analyzer,3Digital Multimeter, 1 Digitizing Oscilloscope, all complet with accessories & cords ,ETC -----.	Lot	1	
07-04-06013		Unit	2	
	Air Conditioning 5 Ton Packaged Unit Complete with installation materials & R22 Refrigerant as required.			
07-04-06014	Spare Units & Parts 10% Of Station Equipment	Lot	1	
07-04-06015	Services			
07-04-06016	-Super vision for 12 months.	Expert	2	
07-04-06017	-Training Aboard.	Trainee	8	
07-04-06018	-Training in Iraq.	Trainee	8	
07-04-06019	Vehicle's Work Shops, And Ancillaries including: One 20 Ton Lorry with 5-10Tcrane,Two double cabin pickups, One 40Klit Water tank truck , 40Klit Oil tank truck, One 4x4 wheel drive Land Rover, Two Mobile work shop vans all with spare tires & parts for 2 years operation, Fire Figh ting Truck, Fire Extinguishers(5-50)kg, Exhaust Fans, Smoke/Heat/Fire Detectors & Alarms ETC-----.	Lot	1	

## ANNEX SEVEN / TRANSPORT & COMMUNICATIONS / TELECOMMUNICATIONS

**Sub-sector : Baghdad - Ramadi - Trabil Optical Fiber Cable Link**

**Site-Name : Baghdad Training Center**

Code	Item Description	Unit	Qty.	Complementary Items
07-04-07000	Optical Fiber Outside Plant including :	Lot	1	Civil Works
07-04-07001	-Optical Fiber Cable, 12F. SM10/125 with Rodent & UV Protection Sheath , in 2-5KM drums.	KM	0.2	
07-04-07002	-Optical Fiber Cable Joint Kits, Closures, Terminating Cabinets, Pigtails, Connectors, ETC----	Lot	1	
07-04-07003	-Plastic Sub-Duct smooth pipes silicon coated inner wall.	KM	0.2	
07-04-07004	-Machinery & Materials For Excavation & Cable Laying including :(1 Shovel, 1 Plowing & Laying Machine, 2 Hydraulic Cable Trailer, 1 Boring Machine, 1 Concrete Cutter, 1Forklift, 1 Cable Jet Machine, 2 Air Compressors, 1 Set Surveying Instruments, Pre Lubricating water 20 Packs, Por-	Lot	0	
07-04-06005	table 5KVA Gen., 2 Jointer Tests ETC-----). -Test Equipment Including : (1O.F Fusion Splicer , 1 O.T.D.R, 1 Cable Locator, 1 Optical Power meter, 1 Stabilized Light Source, 2 Talk set at 1310/1550 nm, Attenuators, 2 Specialized O.F Cable tools box, ETC----- ).	Lot	1	
07-04-07006	SDH Optical Line Equipment, 1310nm Optical T/R ,1:1 Protection plus SDH-STM-1, STM-4 multiplexers, Matrix ( Duplicated ), 140 , 34 & 2Mbit/s Tributaries, Control Switches, Primary Multiplexers & Signaling Converters, ETC----- all installed in standard , Subracks & Racks with duplicated stabilized 48v. D.C units, Alarm LEDs , Interface ports for Network Management & fault diagnosis, all complete with cabling ,	Lot	1	
07-04-07007	connectors, peripherals ETC-----.  Local Network Management System (NMS) including: Hardware Platform & Software system ,interfaces, mediation devices, & peripherals as required.	Lot	1	
07-04-07008		Lot	1	
07-04-07009	A.C/D.C Power Plant including:	Set	1	

07-04-07010	-50KVA Diesel Engine /Generator sets with control cubicle & Power Switches (Contactors), 24v. Stating Batteries (120AH) & Charger. Station Batteries 48v./200AH. Switched Module Rectifier (30A) Per Module, (3+1). Test Equipment For Operation & Maintenance including : (2 SDH / PDH Analyzer , Optical Spectrum Analyzer, 1 Frequency Counter,1 Function Generator, 1 Network Analyzer,3Digital Multimeter, 1 Digitizing Oscilloscope, all complet with accessories & cords ,ETC -----.	Set	2	
07-04-07011		Set	1	
07-04-07012		Lot	1	
07-04-07013		Unit	2	
	Air Conditioning 5 Ton Packaged Unit Complete with installation materials & R22 Refrigerant as required.			
07-04-07014	Spare Units & Parts 10% Of Station Equipment	Lot	1	
07-04-07015	Services	Expert Trainee Trainee	2 2 8	
07-04-07016	-Super vision for 12 months.			
07-04-07017	-Training Aboard.			
07-04-07018	-Training in Iraq.			
07-04-07019	Vehicle's Work Shops, And Ancillaries including: One 20 Ton Lorry with 5-10Tcrane,Two double cabin pickups, One 40Klit Water tank truck , 40Klit Oil tank truck, One 4x4 wheel drive Land Rover, Two Mobile work shop vans all with spare tires & parts for 2 years operation, Fire Figh ting Truck, Fire Extinguishers(5-50)kg, Exhaust Fans, Smoke/Heat/Fire Detectors & Alarms ETC-----.	Lot	0	