

## ANNEX 7 / Telecommunications

Sub-sector: **STANDARD-A EARTH STATION System**

Site: Dujail

Code	Item Description	Unit	Quantity	Complementary Items
07-02-00010	<u>ANTENNA SUBSYSTEM</u> -18.7m diameter antenna	Lot	1	
07-02-00020	<u>SERVO SYSTEM</u> -antenna control unit -beacon receiver.	Lot	1	
07-02-00030	<u>LNA SUBSYSTEM</u> -(2+1)low noise amplifier C-band 40 (degrees) K LNA -LNA test panel ,Test panel H=2U Coaxial load 0-18 GHZ , 1W.	Lot	1	
07-02-00040	<u>HPA SUBSYSTEM</u> -2*(2+1) 700W TWT HPA installation materail.	Lot	1	
07-02-00050	<u>EIRP MEASUREMENT SET</u> -selective power meter C-band UP- link monitor 6 GHZ.	Lot	1	
07-02-00060	<u>INTER-FACILITY LINK</u>	Lot	1	
07-02-00070	<u>UP-CONVERTERS</u> -IDR D/C(7+1)wired cabinet 46 U standard cabinet	Lot	1	
07-02-00080	<u>DOWN CONVERTERS</u> -IDR D/C (7+1) wired cabinet 46U standard cabinet	Lot	1	
07-02-00090	<u>IDR MODEMS</u> IDR modulator cabinet	Lot	1	
07-02-00100	TV TX/RX SUBSYSTEM	Lot	1	
07-02-00110	ESC subsystem	Lot	1	
07-02-00120	Control & Monitoring Subsystem	Lot	1	
07-02-00130	Video Monitoring system	Lot	1	
01-02-00140	Station Support	Lot	1	
07-02-00150	POWER SUPPLY	Lot	1	
07-02-00160	<u>MICROWAVE LINK</u> To connect to ITMC	link	1	
07-02-00170	TEST EQUIPMENT	Lot	1	
07-02-00180	DOCUMENTATION	Lot	1	
07-02-00190	TRAINING	Lot	1	

	6 Trainees (8 Weeks) Factory 10 Trainees (5 Weeks)On site 2 Supervisors			
07-02-00200	Miscellaneous - Installation materials and tools - UPS (10 KVA) - Cars - ETC-----.	Lot	1	
		Unit	3	
07-02-00210	INSTALLATION AND COMMISSIONING.	Lot	1	
07-02-00220	SPARE PARTS	Lot	1	
07-02-00230	IMPLEMENTATION SCHEDULE 12 Months from effective date of contract	Lot	1	

ANNEX SEVEN / Telecommunications

Sub-sector: INTERNATIONAL COMMUNICATION

Site Name: INTERNATIONAL EXCHANGE - BAGHDAD

Code	Item Description	Unit	Qty.	Compl. Items
07-02-10200	SWITCHING EQUIPMENT for 1200 International Trunks ,140 E1 digital interface, 128 Operator Positions and Network Management Center:	Lot	1	
07-02-10201	- Trunk equipment	Lot	1	
07-02-10202	- Tones and Signaling	Lot	1	
07-02-10203	- Control Processors	Lot	1	
07-02-10204	- Operation and Maintenance Processors	Lot	1	
07-02-10205	- Peripherals	Lot	1	
07-02-10206	- Racks and Ironworks	Lot	1	
07-02-10207	- Installation and Maintenance tools, Materials and Facilities	Lot	1	
07-02-10208	- Documentation	Set	2	
07-02-10209	POWER PLANT			
07-02-10210	- Operation and Maintenance Processors	Lot	1	
07-02-10211	- Peripherals	Lot	1	
07-02-10212	- 48V power supplies	Lot	1	
07-02-10213	- DC\DC Converters	Lot	1	
07-02-10214	- Inverters 2KVA	Lot	1	
07-02-10215	- 48V Batteries, 3000 AH	Set	2	
07-02-10216	- Cables	Set	1	
07-02-10217	- Installation and Maintenance tools and Materials	Lot	1	
07-02-10218	- Documentation	Set	2	
07-02-10219	AIR CONDITIONERS			
07-02-10220	- 60 kW 50Hz, 220\380V	Set	3	
07-02-10221	- Installation and Maintenance tools and Materials	Lot	1	
07-02-10222	- Documentation	Set	2	
07-02-10223	Distribution Frames			
07-02-10224	- Terminal Blocks	Lot	1	
07-02-10225	- Ironwork	Lot	1	
07-02-10226	- Installation tools	Set	1	
07-02-10227	- Cables & Jumper wire	Set	1	
07-02-10228	- Documentation	Set	2	
07-02-10229	FIRE PROTECTION EQUIPMENT			
07-02-10230	- Detection units	Lot	1	
07-02-10231	- Control & Alarm Unit	Lot	1	
07-02-10232	- Manual Distinguishers	Lot	1	
07-02-10233	- Installation and Maintenance tools and Materials	Lot	1	
07-02-10234	- Documentation	Set	2	
07-02-10235	False Floor – False Ceiling for switching room	Lot	1	
07-02-10236	SPARE PARTS	Lot	1	
07-02-10237	DIESEL ENGINE GENERATOR			
07-02-10238	- Capacity 600 KVA	Set	2	
07-02-10239	- Installation and Maintenance tools and Materials	Lot	1	
07-02-10240	- Spare Parts	Lot	1	
07-02-10241	- Documentation	Set	2	
07-02-10242	SERVICES			
07-02-10243	- Training abroad	Trainee	6	
07-02-10244	- Training in Iraq	Trainee	10	
07-02-10245	- Supplier Experts(Supervisors)	Expert	2	

Expected Delivery Time: 5 Months

Expected Implementation Time: 6 Months