

Telecommunication Projects
Phase - X
ANNEXES

1. Microwave links for connection North to South/Center Iraq

Code No.	Description
07-74-00001	Microwave self supported steel tower (pylon)
07-74-00002	Microwave radio & Multiplex equipment
07-74-00003	Power equipment, Diesel Generators with rectifiers and back up Batteries.
07-74-00004	Accessories
07-74-00005	Air-Conditioning
07-74-00006	Test instruments & Tools
07-74-00007	Spares
07-74-00008	Documentation.

2. Expansion of Exchange Capacity in the Main Cities

Code No.	Description
07-74-00009	Switching Unit including air- conditioning and power facilities.
07-74-00010	Power equipment, Diesel Generators with rectifiers and back up Batteries.
07-74-00011	Accessories
07-74-00012	Air-Conditioning
07-74-00013	Test instruments & Tools
07-74-00014	Spares
07-74-00015	Documentation.

3. District Telecommunication Project-II

Code No.	Description
07-74-00016	Switching Unit including air- conditioning and power facilities.
07-74-00017	Microwave self supported steel tower (pylon)
07-74-00018	Microwave radio & Multiplex equipment
07-74-00019	Power equipment, Diesel Generators with rectifiers and back up Batteries.
07-74-00020	Accessories
07-74-00021	Air-Conditioning
07-74-00022	Test instruments & Tools
07-74-00023	Spares
07-74-00024	Documentation.

4. Expansion of GSM Mobil network

Code No.	Description
07-74-00025	Mobile Switching Center (MSC /VLR)
07-74-00026	HLR/AUC/EIR
07-74-00027	SMS-VMS
07-74-00028	Operation & Maintenance Centre (OMC) for the BSS subsystem.
07-74-00029	Operation & Maintenance Centre (OMC) for the NSS subsystem.
07-74-00030	Billing System
07-74-00031	Point of Sale Facilities
07-74-00032	BSC/TRCU
07-74-00033	Base Station Transceiver Equipment Site 3 sectors
07-74-00034	Base Station Transceiver Equipment: Site 2 sectors
07-74-00035	Mobile Telephone Handsets
07-74-00036	SIM Cards
07-74-00037	Small Buildings/Shelters for Equipment (BTS, MW equipment, Power
07-74-00038	Air conditioning Equipment
07-74-00039	Power Supply Equipment: Diesel Generators with backup Batteries, Solar
07-74-00040	Tower, pole & pipe (with earthing and lighting systems)
07-74-00041	Spares
07-74-00042	Test Equipment & radio measuring tools (HW & SW) with Interface Analyser
07-74-00043	Microwave links (Mini Links)
07-74-00044	Test instruments and tools for operations & maintenance.
07-74-00045	Documentations.
07-74-00046	Vehicles

5. District Outside Plant Network

Code No.	Description
07-74-00047	Telephone cables, various types & sizes
07-74-00048	Wires
07-74-00049	Closures, various sizes
07-74-00050	Connectors
07-74-00051	Distribution Box
07-74-00052	Outdoor Distribution Cabinets
07-74-00053	Pair Gain equipment main & subscriber side terminals (1+2, 1+3 etc...)
07-74-00054	Main Station equipment for wireless local loop system including A/C and
07-74-00055	Poles (for distribution network)
07-74-00056	Remote Base Station including A/C and Power equipment
07-74-00057	PVC ducts of various sizes
07-74-00058	Manhole frames and accessories of various sizes
07-74-00059	Splicing tools
07-74-00060	Vehicles
07-74-00061	Accessories
07-74-00062	Spares
07-74-00063	Test instruments, working tools, and Local plants Machineries.
07-74-00064	Documentation

6. Optical Fiber Link between Dohuk, Erbil and Sulimaneya

Code No.	Description
07-74-00065	Optical fibre cables.
07-74-00066	OLTE and Multiplex equipment
07-74-00067	Power equipment, Diesel Generators with rectifiers and back up Batteries.
07-74-00068	PVC ducts of various sizes
07-74-00069	Manhole frames and accessories of various sizes
07-74-00070	Splicing machine
07-74-00071	Accessories
07-74-00072	Air-Conditioning
07-74-00073	Test instruments & Tools
07-74-00074	Spares
07-74-00075	Documentation.