

**REQUIREMENTS FOR EXPANSION OF THE ALREADY APPROVED
PHASE 5 GSM PROJECT OF BAGHDAD (*)**

CODE	ITEM	QTY	
07-09-20000	EXPANSION OF THE ALREADY CONTRACTED AND APPROVED PHASE 5 GSM PROJECT OF BAGHDAD FROM 25000 SUBSCRIBERS TO 100000-150000 SUBSCRIBERS AND ADDING SOME SUBSYSTEMS TO IMPROVE AND ADD SERVICES AND FUNCTIONALITIES SUCH AS PRE-PAID SERVICE PLATFORM AND OTHERS. BELOW ARE THE MAIN REQUIREMENTS FOR THE PROJECTS. DETAILS WILL BE SUPPLIED AFTER FINAL DESIGN AND NEGOTIATION WITH THE SUPPLIERS:	1	
07-09-20001	BASE TRANSCEIVER STATIONS (BTS)	70 TO 120	
07-09-20101	SMALL CAPACITY MICROWAVE LINKS (7 & 18 GHZ)	70 TO 120	
07-09-20201	BASE STATION CONTROLLER (BSC)	2 TO 3	
07-09-20301	MOBILE SERVICE SWITCHING CENTER (MSC) - EXPANSION AND/OR NEW ONE	1	
07-09-20401	HOME LOCATION REGISTER (HLR/AUC) EXPANSION	1	
07-09-20501	OPERATION AND MAINTENANCE CENTER (OMC) EXPANSION	1	
07-09-20601	SUBSCRIBERS HANDHELD TERMINALS	100000	
07-09-20701	PREPAID SERVICE PLATFORM - NEW	1	
07-09-20901	VOICE MAIL SERVICE PLATFORM - EXPANSION	1	
07-09-21101	SHORT MESSAGE SERVICE CENTER - EXPANSION	1	
07-09-21301	BILLING SYSTEM - EXPANSION	1	
07-09-21501	WAP PLATFORM FOR 50000 SUBSCRIBERS	1	
07-09-21701	GPRS SYSTEM FOR 50000 SUBSCRIBERS	1	
07-09-21901	PRIVATE MOBILE RADIO FUNCTIONS (WITHIN GSM) - OPTIONAL ITEM	1	
07-09-22101	ANY OTHER ITEMS OR EQUIPMENT NECESSARY FOR THE NORMAL AND ORDERLY OPERATION OF THE COMPLETE SYSTEM SUCH AS POWER SUPPLY EQUIPMENT , TOWERS , SHELTERS , AIR-CONDITIONING , SERVICE VEHICLES....ETC.	AS NECESSARY	
	(*) NOTE: THE EXACT CONFIGURATION OF THE SYSTEM AND DETAILS AND QUANTITIES OF THE EQUIPMENT WILL BE SUBMITTED LATER AFTER COMPLETION OF THE TECHNICAL STUDIES AND NEGOTIATION WITH THE CONTRACTING SUPPLIERS. THE NUMBERING FOR THE DETAILS WILL USE THE VACANT SPACES BETWEEN THE GIVEN NUMBERS ABOVE.		

REQUIREMENTS FOR A GSM MOBILE NETWORK FOR 20 CITIES AND TOWNS IN IRAQ (*)

CODE	ITEM	QTY	
07-09-10000	900 MHZ GSM MOBILE TELEPHONE SYSTEM TO COVER ABOUT 20 CITIES AND TOWNSHIPS AND HIGHWAY ROADS WITH A TOTAL DISTANCE OF ABOUT 1500 KM. TOTAL SUBSCRIBER CAPACITY IS AROUND 200000 SUBSCRIBERS. BELOW ARE THE MAIN REQUIREMENTS FOR THE PROJECTS. DETAILS WILL BE SUPPLIED AFTER FINAL DESIGN AND NEGOTIATION WITH THE SUPPLIERS:	1	
07-09-10001	BASE TRANSCEIVER STATIONS (BTS)	200-250	
07-09-10101	SMALL CAPACITY MICROWAVE LINKS (7 & 18 GHZ)	200-250	
07-09-10201	BASE STATION CONTROLLER (BSC)	3 TO 4	
07-09-10301	MOBILE SERVICE SWITCHING CENTER (MSC/VLR)	1	
07-09-10401	HOME LOCATION REGISTER (HLR/AUC)	1	
07-09-10501	OPERATION AND MAINTENANCE CENTER (OMC)	1	
07-09-10601	SUBSCRIBERS HANDHELD TERMINALS	200000	
07-09-10701	PREPAID SERVICE PLATFORM	1	
07-09-10901	VOICE MAIL SERVICE PLATFORM	1	
07-09-11001	SHORT MESSAGE SERVICE CENTER	1	
07-09-11101	COMPREHENSIVE CARRIER CLASS BILLING SYSTEM	1	
07-09-11201	WAP PLATFORM FOR 50000 SUBSCRIBERS	1	
07-09-11301	GPRS SYSTEM FOR 50000 SUBSCRIBERS	1	
07-09-11501	PRIVATE MOBILE RADIO FUNCTIONS (WITHIN GSM)	1	
07-09-11701	ANY OTHER ITEMS OR EQUIPMENT NECESSARY FOR THE NORMAL AND ORDERLY OPERATION OF THE COMPLETE SYSTEM SUCH AS POWER SUPPLY EQUIPMENT , TOWERS , SHELTERS , AIR-CONDITIONING , SERVICE VEHICLES ...ETC.	AS NECESSARY	
	(*) NOTE: THE EXACT CONFIGURATION OF THE SYSTEM AND DETAILS AND QUANTITIES OF THE EQUIPMENT WILL BE SUBMITTED LATER AFTER COMPLETION OF THE TECHNICAL STUDIES AND NEGOTIATION WITH THE CONTRACTING SUPPLIERS. THE NUMBERING FOR THE DETAILS WILL USE THE VACANT SPACES BETWEEN THE GIVEN NUMBERS ABOVE.		