

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

CODE	ITEM	
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:	
07-09-10001	BASE TRANSCEIVER STATIONS (BTS)	
07-09-10101	SMALL CAPACITY MICROWAVE LINKS (7 & 18 GHZ)	
07-09-10201	BASE STATION CONTROLLER (BSC)	
07-09-10301	MOBILE SERVICE SWITCHING CENTER (MSC/VLR)	
07-09-10401	HOME LOCATION REGISTER (HLR/AUC)	
07-09-10501	OPERATION AND MAINTENANCE CENTER (OMC)	
07-09-10601	SUBSCRIBERS HANDHELD TERMINALS	
07-09-10701	PREPAID SERVICE PLATFORM	
07-09-10901	VOICE MAIL SERVICE PLATFORM	
07-09-11001	SHORT MESSAGE SERVICE CENTER	
07-09-11101	COMPREHENSIVE CARRIER CLASS BILLING SYSTEM	
07-09-11201	WAP PLATFORM FOR 50000 SUBSCRIBERS	
07-09-11301	GPRS SYSTEM FOR 50000 SUBSCRIBERS	
07-09-11501	PRIVATE MOBILE RADIO FUNCTIONS (WITHIN GSM)	
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.	
	(*) 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 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:	
07-09-20001	BASE TRANSCEIVER STATIONS (BTS)	
07-09-20101	SMALL CAPACITY MICROWAVE LINKS (7 & 18 GHZ)	
07-09-20201	BASE STATION CONTROLLER (BSC)	
07-09-20301	MOBILE SERVICE SWITCHING CENTER (MSC) - EXPANSION AND/OR NEW ONE	
07-09-20401	HOME LOCATION REGISTER (HLR/AUC) EXPANSION	
07-09-20501	OPERATION AND MAINTENANCE CENTER (OMC) EXPANSION	
07-09-20601	SUBSCRIBERS HANDHELD TERMINALS	
07-09-20701	PREPAID SERVICE PLATFORM - NEW	
07-09-20901	VOICE MAIL SERVICE PLATFORM - EXPANSION	
07-09-21101	SHORT MESSAGE SERVICE CENTER - EXPANSION	
07-09-21301	BILLING SYSTEM - EXPANSION	
07-09-21501	WAP PLATFORM FOR 50000 SUBSCRIBERS	
07-09-21701	GPRS SYSTEM FOR 50000 SUBSCRIBERS	
07-09-21901	PRIVATE MOBILE RADIO FUNCTIONS (WITHIN GSM) - OPTIONAL ITEM	
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.	

	<p>(*) 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.</p>	
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