

Phase: IX
 SECTOR: VII Infrastructure
 Subsector:
 PROJECT or **SUPPORTING EQUIPMENT, TEST EQUIPMENT, AND**
 TITLE: **SPARE PARTS REQUIREMENTS**

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
CODE	VARIOUS SPARE	1	lot
07-90-00000	electrical and electronic components and constituents/ Power correction panel for system with harmonics up to 60%(5100/5200/5300/5500 KVAR)	200	units
	power cable	2,000	m
	electrical and electronic components and constituents	4,354	pcs
07-90-00001	VARIOUS TEST AND MEASURING EQUIPMENT FOR THE EXISTING SYSTEMS	80	Units
07-90-00002	VHF/UHF SMALL CAPACITY RADIO LINKS.	10	
07-90-00003	MICROWAVE RADIO LINKS TO SERVE AS SPARE LINKS FROM THE BACKBONE MICROWAVE STATION TO SMALL TOWNS.	100	
07-90-00004	PC COMPUTERS, PRINTERS, SCANNERS, COPYING	10	
07-90-00005	TOWERS FOR MICROWAVE STATIONS AND ACCESSORIES	2	
07-90-00006	CRANE AND WINCHES FOR TOWERS ERECTION.	100	Km
07-90-00007	CABLES.(DIFFERENT TYPES & SIZES)	150	
07-90-00008	TOOLS AND MAINTENANCE KITS.	200	
07-90-00009	FIRE DETECTION SYSTEMS	1,500	
07-90-00010	PORTABLE EXTINGUISHERS	50	
07-90-00011	SITE SECURITY ALARM SYSTEMS	1	lot
07-90-00012	MANUAL OPERATED PUMP WITH CAST IRON CASING Q=500-1000L/H	92	Sset
07-90-00100	LIGHTING MATERIAL POSTS, BRACKETS, FIXTURES.. ETC	15	
07-90-00101	CONFERENCE ROOM UTILITES	1	lot
07-90-00102	MONITORING SYSTEM FOR MICROWAVE STATIONS	80	
07-90-00103	GENERALL MAINTENANCE AND REPAIRE WORKS DRESSES AND SHOES, HATS	1	lot
07-90-00104	AUTOMOBILE WASHINGAND SERVICE STATION UTILITIES	30	
07-90-00105	CONSTRUCTION MATERIAL FOR CIVIL WORKS AND RESIDENTAL CAMPING.	1	lot
07-90-00106	PC CAMPUTERS, PRINTERS SCANNERS AND COPY MACHINES.	250	
	POWER GENERATING UNITS REQUIREMENTS		

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	DIESEL POWER GENERATORS (VARIOUS SIZES) (PLUS ACCESSORIES AND SPARE PARTS) .		
07-90-00200	- 3 KVA PORTABLE	50	
07-90-00201	- 5 KVA PORTABLE	50	
07-90-00202	- 15 KVA	60	
07-90-00203	- 25 KVA	30	
07-90-00204	- 50 KVA OUTDOOR TYPE		
07-90-00205	- 100 KVA OUTDOOR TYPE	30	
07-90-00206	- 150 KVA OUTDOOR TYPE	20	
07-90-00207	- 250 KVA OUTDOOR TYPE	10	
07-90-00208	- 350 KVA OUTDOOR TYPE ,	10	
07-90-00209	- 400 KVA OUTDOOR TYPE	40	
	- 600kv GENERATOR SET	30	
07-90-00210	UPS EQUIPMENTS PLUS SPARES DIFFERENT CAPACITIES.	500	
	AUTOMATIC VOLTAGE REGULATORS PLUS SPARES		
07-90-00211	- 100 KVA	50	
07-90-00212	-50 KVA	50	
07-90-00213	-75 KVA	50	
07-90-00214	-10 KVA	50	
07-90-00215	BATTRIES , DIFFERENT TYPES AND CAPACITIES	12,000	
07-90-00216	DC POWER SUPPLY WITH CHARGERS	50	
07-90-00217	ELECTRICAL STATUS DATA RECORDING SYSTEMS	50	
07-90-00218	FUEL TRANSFER PUMPS	50	
07-90-00219	FULE STORAGE TANKS	50	
07-90-00220	MOBILE FUEL TANKS	50	
	VEHICLES AND MOBILE WORKSHOPS		
	REQUIREMENTS WITH SPARES OF 5 YEARS		
07-90-00500	MOBILE WORKSHOP DIFFERENT SIZES	20	
07-90-00501	LAND CRUISER VANS	50	
07-90-00502	LIGHT TRUCKS (DOUBLE CABIN) - 1- TONS	50	
07-90-00503	LIGHT TRUCK DOUBLE CABIN 2 TON	20	
07-90-00504	LORRIES (10-15 TONS)	20	
07-90-00505	DRINKING WATER TANKERS	20	
07-90-00506	FUEL TANK VEHICLES	30	
07-90-00507	FIRE FIGHTING VEHICLES	10	
07-90-00508	MOBILE CARAVAN FOR TECHNICIAN AND ENGINEERING TEAMS	20	
07-90-00509	LIGHT LOADER TRUCK PLUS CRANE.	10	
07-90-00510	SHOVEL	10	
07-90-00511	BULL DOZZER	15	
07-90-00512	FORKLIFT	20	
07-90-00513	LIFTING CRANE VEHICLES	10	
07-90-00514	TYRES (VARIOUS SIZES)	10,000	
07-90-00515	OFFICE FLOOR CLEANING MACHINE	100	

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
07-90-00516	SITE LIGHTING MAINTENANCE WINCH	100	
07-90-00517	SOIL CLEARING VEHICLE AGAINST HERBS , GRARSS , JUNSLES , ROOTS (SOIL HOE) WITH CULTIVATOR.	30	
	AIR-CONDITIONING PACKAGES AND UNITS REQUIREMENTS		
07-90-00700	(100) TON PACKAGED AIR COOLED CHILLERS PLUS 4 CENTRIFUGAL PUMPS OF 7.5 HP , FOR EACH CHILLER	20	pcs
07-90-00701	(75) TON PACKAGED AIR COOLED CHILLERS PLUS PLUS 4 CENTRIFUGAL PUMPS OF 5HP , FOR EACH CHILLER	20	
07-90-00702	(60) TON PACKAGED AIR COOLED CHILLERS PLUS 4 CENTRIFUGAL PUMPS OF 3HP , FOR EACH CHILLER	20	
07-90-00703	(30) TONES PACKAGED /ALC	20	
07-90-00704	(25) TONES PACKAGED /ALC	20	
07-90-00705	(20) TONES SPLIT UNITS/ALC	20	
07-90-00706	(15) TONES SPLIT UNITS/ALC	20	
07-90-00707	(10) TONES SPLIT UNITS/ALC	20	
07-90-00708	7.5) TONES PACKAGED UNITS	200	
07-90-00709	(5) TONES PACKAGED UNITS	200	
07-90-00710	2-TON SPLIT UNIT WITH SPARE PARTS	230	NOS
07-90-00711	REFRIGERANT R22	2,000	Kg
07-90-00712	REFRIGERANT R12	400	
07-90-00713	REFERIGERANT 134a	1,000	Kg
07-90-00714	SPARE PARTS FOR THE ABOVE A/C UNITS FOR 5 YEARS	1	lot
07-90-00715	DRINKING WATER-COOLING MACHINES PLUS SPARES FOR 5 YEARS.	100	
	WATER CODITIONING EQUIPMENT AND IRRIGATION SYSTEMS AND ACCESSORIES.		
07-90-00900	PACKAGE WATER TREATMENT PLANTS	60	
07-90-00901	DRINKING WATER SOFTENING EQUIPMENT	60	
07-90-00902	REVERS OSMOSIS WATER TREATMENT EQUIPMENT	60	
07-90-00903	GROUND AND HIGH WATER TANKS	100	
07-90-00904	SMALL SIZE WATER DEIONIZERS	50	
07-90-00905	WATER DISTILLING EQUIPMENT 10 L/HR	100	
07-90-00906	SANITTARY HOT WATER BOILERS 50 L	100	
07-90-00907	DIFFERENT CAPACITY CENTRIFUJAL WATER PUMPS	80	pcs
07-90-00908	SMALL SIZE IRRIGATION SYSTEM UTILITIES PUMPS ,PIPES, SPRINKLERS	50	

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
	STAFF ACCOMODATION UTILITIES		
07-90-00909	KITCHEN EQUIPMENT .	1	lot
07-90-00910	BED ROOMS AND OFFICE FURNITURE	1	lot
07-90-00911	STORES UTILITIES	1	lot
07-90-00912	SMALL CAPACITY TELPHOE EXCHANGE AND INTERCOME	100	
07-90-00913	FAX SET	100	
07-90-00914	LIGHTING FIXTURES	1	lot
07-90-00915	OFFICE STATIONARY MATERIAL	1	lot
07-90-00916	SECURITY CAMERASYSTEM WITH ALL ACCESSERIES.	2	lot
07-90-00917	TELEPHONE .	200	
07-90-00918	DIGITAL SATELLITE RECEIVER WITH ACCESSERIES.	30	
07-90-00919	ANALOGUE SATELLITE RECEIVER WITH ACCESSRIES.	30	
	TEACHING LABORATORIES , TEST EQUIPMENT AND SPARE COMPONENTS		
07-90-01000	1. BROADCASTING SCIENCE LABORATORY	1	COMPLETE LAB.
07-90-01001	2.COMMUNICATION & MICROWAVE LABORATORY	1	COMPLETE LAB.
07-90-01002	3. SEQUENTIAL CONTROL & COMPUTER SCIENCE LABORATORY	1	COMPLETE LAB.
07-90-01003	4. DIGITAL ELECTRONICS LABORATORY	1	COMPLETE LAB.
07-90-01004	5. ANALOG ELECTRONICS LABORATORY	1	COMPLETE LAB.
07-90-01005	6. POWER ELECTRONICS LABORATORY	1	COMPLETE LAB.
07-90-01006	7. ENGINEERING MEASUREMENTS & QUALITY ASSURANCE LABORATORY	1	COMPLETE LAB.
07-90-01007	8.VIEWING & LISTENING EVALUATION LABORATORY	1	COMPLETE LAB.
07-90-01008	9. AUDIO AND VIDEO SYSTEMS LABORATORY	1	COMPLETE LAB.
07-90-01009	10. TEST EQUIPMENT	1	lot
07-90-01010	11. SPARE COMPONENTS	1	lot
07-90-01011	electrical generating set with spares	15	pcs