

**BAGHDAD MAYORALTY REQUIREMENTS FOR WATER AND SEWAGE WORK , MOU.10**

<b>SECTION NO.</b>	<b>ITEM</b>	<b>QTY.</b>	<b>END USER</b>	<b>DEPARTMENT . ACTIVITY</b>
<b>SECTION 1</b>	<b>REQUIREMENTS FOR WATER TREATMENT PLANT AND WATER NETWORK</b>		<b>6 MILLION PERSON</b>	<b>WATER SUPPLY ADMINISTRATION</b>
1-1	SPARE PARTS FOR 7-NISSAN CLARIFIERS	LUMP	6 MILLION PERSON	WATER SUPPLY ADMINISTRATION
1-2	SPARE PART FOR 2-B RES. ELECTRIC BOARD	LUMP	6 MILLION PERSON	WATER SUPPLY ADMINISTRATION
1-3	SPAR PARTS FOR ALUM DOSING PUMPS	LUMP	6 MILLION PERSON	WATER SUPPLY ADMINISTRATION
1-4	SPARE PART LIST FOR GAS DOSING SYSTEM 143-040 VOL/TO2	LUMP	6 MILLION PERSON	WATER SUPPLY ADMINISTRATION
1-5	SPARE PARTS FOR PUMPS / 2B STATION	LUMP	6 MILLION PERSON	WATER SUPPLY ADMINISTRATION
1-6	FILTERS FOR 7 NISSAN	LUMP	6 MILLION PERSON	WATER SUPPLY ADMINISTRATION
1-7	SPARE PART FOR CLARIFIERS IN KARAMA & DOURA PROJECT	LUMP	6 MILLION PERSON	WATER SUPPLY ADMINISTRATION
1-8	SPAR PART FOR CHLORINE GAS SYSTEM FOR KARAMA & DORA PROJECT	LUMP	6 MILLION PERSON	WATER SUPPLY ADMINISTRATION
1-9	MEDIUM VOLTAGE SWITCH BOARD FOR KARAMA PROJECT	LUMP	6 MILLION PERSON	WATER SUPPLY ADMINISTRATION
1-10	SPARE PART FOR QADDISIA WTP	LUMP	6 MILLION PERSON	WATER SUPPLY ADMINISTRATION
1-11	INDOOR GENERATOR FOR ABU GHRAIB RES.	LUMP	6 MILLION PERSON	WATER SUPPLY ADMINISTRATION
1-12	SPARE PART FOR N.R. CHLORINE STATION+B398	LUMP	6 MILLION PERSON	WATER SUPPLY ADMINISTRATION
1-13	SPARE PART FOR TAJI AND ABU - GHRAIB RES.	LUMP	6 MILLION PERSON	WATER SUPPLY ADMINISTRATION
1-14	SPARE PART FOR RAW WATER STATION	LUMP	6 MILLION PERSON	WATER SUPPLY ADMINISTRATION
1-15	SLUDGE PUMPS	LUMP	6 MILLION PERSON	WATER SUPPLY ADMINISTRATION
1-16	MEDIUM VOLTAGE SWITCH BOARD FOR DOURA PROJECT	LUMP	6 MILLION PERSON	WATER SUPPLY ADMINISTRATION
1-17	11 KV SWITCH BORD TO REPLACE THE EXISTING SWITCH BOARD IN RPS 3 , RP4 PUMPING STATION S	LUMP	6 MILLION PERSON	WATER SUPPLY ADMINISTRATION
1-18	MOBILE WORK SHOP	LUMP	6 MILLION PERSON	WATER SUPPLY ADMINISTRATION
1-19	HIGH LIFT PUMPING STATION FOR 7 NISSAN	LUMP	6 MILLION PERSON	WATER SUPPLY ADMINISTRATION
1-20	CONTACTOR FOR 7 NISSAN	LUMP	6 MILLION PERSON	WATER SUPPLY ADMINISTRATION
1-21	ELECTRICAL ACTUATORS FOR 7 NISSAN	LUMP	6 MILLION PERSON	WATER SUPPLY ADMINISTRATION
1-22	CONTROL OF WATER LOSSES IN THE WATER SYSTEM OF BAGHDAD	LUMP	6 MILLION PERSON	WATER SUPPLY ADMINISTRATION
1-23	TREATED WATER PUMPING STATION SERIAL NO. C5/56383	LUMP	6 MILLION PERSON	WATER SUPPLY ADMINISTRATION
1-24	OUT DOOR L.T DEISEL GENERATOR FOR ALRASHED & WAHADA PROJECT	LUMP	6 MILLION PERSON	WATER SUPPLY ADMINISTRATION
1-25	ELECTRICAL DISCHARGE VALVES	LUMP	6 MILLION PERSON	WATER SUPPLY ADMINISTRATION
1-26	3PH TRANSFORMER FOR 7 NISSAN	LUMP	6 MILLION PERSON	WATER SUPPLY ADMINISTRATION
1-27	SPARE PART FOR DAIHATSU DIESEL ENGINE	LUMP	6 MILLION PERSON	WATER SUPPLY ADMINISTRATION
1-28	GENERATOR FOR 7 NISSAN TRETMENT PLANT	LUMP	6 MILLION PERSON	WATER SUPPLY ADMINISTRATION
1-29	NON-RETURN VALVES	LUMP	6 MILLION PERSON	WATER SUPPLY ADMINISTRATION
1-30	KARKH RES. SPARE PART	LUMP	6 MILLION PERSON	WATER SUPPLY ADMINISTRATION
1-31	1.75 MW DIESEL GENERATORS	LUMP	6 MILLION PERSON	WATER SUPPLY ADMINISTRATION
1-32	BONDSTRAND PIPE (5000) B1535AND FITTINGS B1517	LUMP	6 MILLION PERSON	WATER SUPPLY ADMINISTRATION
1-33	GENERATING STATIONS FOR RAW WATER PUMPING STATION	LUMP	6 MILLION PERSON	WATER SUPPLY ADMINISTRATION
1-34	MOTOR FOR CLARIFIRE SCRAPER	LUMP	6 MILLION PERSON	WATER SUPPLY ADMINISTRATION
1-35	AIR CONDITIONING COMRESSOR SETS	LUMP	6 MILLION PERSON	WATER SUPPLY ADMINISTRATION
1-36	KENT EQUIPMENT FLOWMETER SYSTEM	LUMP	6 MILLION PERSON	WATER SUPPLY ADMINISTRATION

1-37	DUCTILE IRON PIPES	LUMP	6 MILLION PERSON	WATER SUPPLY ADMINISTRATION
<b>SECTION 2</b>	<b>REQUIREMENTS FOR THE REHABILITATION OF SEWAGE TREATMENT PLANT AND SEWAGE NETWORK</b>		<b>4.5 MILLION PERSON</b>	<b>SEWAGE AUTHORITY</b>
2-1	ELECTRICAL REQUIRMENTS FOR TREATMENT PLANTS	LUMP	4.5 MILLION PERSON	SEWAGE AUTHORITY
2-1-1	CABLES	LUMP	4.5 MILLION PERSON	SEWAGE AUTHORITY
2-2-2	LIGHTING	LUMP	4.5 MILLION PERSON	SEWAGE AUTHORITY
2-2-3	BATTERY CHARGER	LUMP	4.5 MILLION PERSON	SEWAGE AUTHORITY
2-2-4	H.V & M.V SUB- STATIONS	LUMP	4.5 MILLION PERSON	SEWAGE AUTHORITY
2-2	LAB . EQUIPMENTS	LUMP	4.5 MILLION PERSON	SEWAGE AUTHORITY
2-3	3RD EXTENTION TREATMENT PLANT REQUIRMENT	LUMP	4.5 MILLION PERSON	SEWAGE AUTHORITY
2-3-1	BELT CONVEYER FOR SCREEN ROOM	LUMP	4.5 MILLION PERSON	SEWAGE AUTHORITY
2-3-2	HIGH VOLTAG CIRCUET BREAKER	LUMP	4.5 MILLION PERSON	SEWAGE AUTHORITY
2-3-3	DISTRBUTION TRANSFORMER	LUMP	4.5 MILLION PERSON	SEWAGE AUTHORITY
2-3-4	ACTUATORS	LUMP	4.5 MILLION PERSON	SEWAGE AUTHORITY
2-3-5	MOTORS	LUMP	4.5 MILLION PERSON	SEWAGE AUTHORITY
2-3-6	PANEL FOR FINAL SETTTLING TANK	LUMP	4.5 MILLION PERSON	SEWAGE AUTHORITY
2-3-7	PANEL FOR PRE .SETTLING TANK	LUMP	4.5 MILLION PERSON	SEWAGE AUTHORITY
2-3-8	SUBMERSIBLE SLUDGE PUMP	LUMP	4.5 MILLION PERSON	SEWAGE AUTHORITY
2-4	MECHANICAL AND ELECTRCAL MATERIALS TO RUS. 0,1,2 TREATMENT PLANT	LUMP	4.5 MILLION PERSON	SEWAGE AUTHORITY
2-4-1	GATE VALVE	LUMP	4.5 MILLION PERSON	SEWAGE AUTHORITY
2-4-2	NON-RETURN VALVE	LUMP	4.5 MILLION PERSON	SEWAGE AUTHORITY
2-5	MECHANICAL REQUIREMNTS FOR AL KHARKH TREATMENT PLANT	LUMP	4.5 MILLION PERSON	SEWAGE AUTHORITY
2-5-1	COMBRESSERS	LUMP	4.5 MILLION PERSON	SEWAGE AUTHORITY
2-5-2	AERATION TANKS	LUMP	4.5 MILLION PERSON	SEWAGE AUTHORITY
2-5-3	VALVES	LUMP	4.5 MILLION PERSON	SEWAGE AUTHORITY

2-6	MECHANICAL AND ELECTRICAL EQUIPMENTS OF AL-ATARIAH PROJECT	LUMP	4.5 MILLION PERSON	SEWAGE AUTHORITY
2-7	SEWAGE TREATMENT COMPACT UNIT	LUMP	4.5 MILLION PERSON	SEWAGE AUTHORITY
2-8	DRAINAGE SUBMERSIBLE PUMPS	LUMP	4.5 MILLION PERSON	SEWAGE AUTHORITY
2-9	EXCUSION OF DOURA II PUMPING STATION AND DUPLICATE WEST TRUNK SEWER	LUMP	4.5 MILLION PERSON	SEWAGE AUTHORITY
2-10	EXCUSION OF KERKH SEWAGE TREATMENT WORKS/ STREAM 7	LUMP	4.5 MILLION PERSON	SEWAGE AUTHORITY
<b>SECTION: 3</b>	<b>SEWAGE PUMPING STATION REQUIREMENTS :</b>	<b>LUMP</b>	<b>4.5 MILLION PERSON</b>	<b>MUNICIPALITY SERVICES</b>
3-1	ELECTRIC MOTOR	LUMP	4.5 MILLION PERSON	MUNICIPALITY SERVICES
3-2	VERTICAL SEWAGE PUMP	LUMP	4.5 MILLION PERSON	MUNICIPALITY SERVICES
3-3	ELECTRIC CIRCUIT BREAKER	LUMP	4.5 MILLION PERSON	MUNICIPALITY SERVICES
3-4	ELECTRIC TRANSFORMER	LUMP	4.5 MILLION PERSON	MUNICIPALITY SERVICES
3-5	COMPLETE CONTROL PANNEL	LUMP	4.5 MILLION PERSON	MUNICIPALITY SERVICES
3-6	EXUSE FAN	LUMP	4.5 MILLION PERSON	MUNICIPALITY SERVICES
3-7	SCREEN CONTROL PANAL	LUMP	4.5 MILLION PERSON	MUNICIPALITY SERVICES
3-8	CRANE CONTROL PANAL	LUMP	4.5 MILLION PERSON	MUNICIPALITY SERVICES
3-9	BALL BEARING	LUMP	4.5 MILLION PERSON	MUNICIPALITY SERVICES
3-10	PACKING	LUMP	4.5 MILLION PERSON	MUNICIPALITY SERVICES
3-11	BRACKET	LUMP	4.5 MILLION PERSON	MUNICIPALITY SERVICES
3-12	OVERLOADS	LUMP	4.5 MILLION PERSON	MUNICIPALITY SERVICES
3-13	CURRENT MEASURMENT	LUMP	4.5 MILLION PERSON	MUNICIPALITY SERVICES
3-14	MECHNICAL WORK REQUIREMENT WELLDING MACHINE	LUMP	4.5 MILLION PERSON	MUNICIPALITY SERVICES

<b>SECTION4</b>	<b>MACHINERY AND EQUIPMENT AND SPARE PARTS</b>		<b>6 MILLION PERSON</b>	<b>MUNICIPALITY SERVICES</b>
4-1	GARBAGE TREATMENT PLANT	4	6 MILLION PERSON	MUNICIPALITY SERVICES
4-2	COMPRESSORS	50	6 MILLION PERSON	MUNICIPALITY SERVICES
4-3	AERIAL PLAT FORM	3	6 MILLION PERSON	MUNICIPALITY SERVICES
4-4	WHEEL LOADER	10	6 MILLION PERSON	MUNICIPALITY SERVICES
4-5	BITUMEN SPRAYING TANKER	4	6 MILLION PERSON	MUNICIPALITY SERVICES
4-6	CRAWLER DOZER	14	6 MILLION PERSON	MUNICIPALITY SERVICES
4-7	WHEEL ROLLERS	12	6 MILLION PERSON	MUNICIPALITY SERVICES
4-8	STEEL ROLLER	8	6 MILLION PERSON	MUNICIPALITY SERVICES
4-9	SINGLE DRUM ROLLERS	6	6 MILLION PERSON	MUNICIPALITY SERVICES
4-10	COMBINED STEEL AND WHEEL ROLLER	6	6 MILLION PERSON	MUNICIPALITY SERVICES
4-11	SMALL STEEL DRUM ROLLER	30	6 MILLION PERSON	MUNICIPALITY SERVICES
4-12	WHEEL EXCAVATOR	18	6 MILLION PERSON	MUNICIPALITY SERVICES
4-13	BITUMEN TANKERS TRAILER	6	6 MILLION PERSON	MUNICIPALITY SERVICES
4-14	CEMENT AND FILLER TANKERS	8	6 MILLION PERSON	MUNICIPALITY SERVICES
4-15	CRANE EQUIPPED TRUCK	4	6 MILLION PERSON	MUNICIPALITY SERVICES
4-16	CRAWLER STREET PAVERS	2	6 MILLION PERSON	MUNICIPALITY SERVICES
4-17	WHEEL STREET PAVERS	4	6 MILLION PERSON	MUNICIPALITY SERVICES
4-18	CRAWLER PATH-PAVER	12	6 MILLION PERSON	MUNICIPALITY SERVICES
4-19	STREET MAINTENANCE TRUCK	30	6 MILLION PERSON	MUNICIPALITY SERVICES
4-20	GUARD RAIL	LUMP	6 MILLION PERSON	MUNICIPALITY SERVICES
4-21	CUTTER TOOLS	LUMP	6 MILLION PERSON	MUNICIPALITY SERVICES
4-22	ASPHALT PLANTS	4	6 MILLION PERSON	MUNICIPALITY SERVICES
4-23	300T. ASPHALT PLANTS SPARE PARTS	LUMP	6 MILLION PERSON	MUNICIPALITY SERVICES
4-24	MNI GARBAGE COLLECTING VEHICLE.	40	6 MILLION PERSON	MUNICIPALITY SERVICES
4-25	ROAD SWEEPERS	20	6 MILLION PERSON	MUNICIPALITY SERVICES
4-26	FIELD VEHICLE , DOUBLE CAP , PICK-UP	200	6 MILLION PERSON	MUNICIPALITY SERVICES
4-27	PORTABLE WATER PUMPS DIESEL OPERATED	50	6 MILLION PERSON	MUNICIPALITY SERVICES
4-28	FORK LIFT	16	6 MILLION PERSON	MUNICIPALITY SERVICES
4-29	TREE SPADE	6	6 MILLION PERSON	MUNICIPALITY SERVICES
4-30	WHEEL LOADER	20	6 MILLION PERSON	MUNICIPALITY SERVICES
4-31	STEEL GARBAGE CONTAINERS	2000	6 MILLION PERSON	MUNICIPALITY SERVICES
4-32	TIPPING TRUCKS	100	6 MILLION PERSON	MUNICIPALITY SERVICES
4-33	SMALL TIPPING DAMPERS	40	6 MILLION PERSON	MUNICIPALITY SERVICES
4-34	SEWAGE AND DRINKING WATER SUBMURGIBLE PUMPS	LUMP	6 MILLION PERSON	MUNICIPALITY SERVICES
4-35	GRASS CUTTING MACHINE	10	6 MILLION PERSON	MUNICIPALITY SERVICES
4-36	SPARE PARTS FOR MACHINERY AND EQUIPMENT	LUMP	6 MILLION PERSON	MUNICIPALITY SERVICES
4-37	TIRES	3250	6 MILLION PERSON	MUNICIPALITY SERVICES
4-38	BATTRIES	2250	6 MILLION PERSON	MUNICIPALITY SERVICES
4-39	FUEL TANKERS	25	6 MILLION PERSON	MUNICIPALITY SERVICES
4-40	MOBIL WORK SHOP	20	6 MILLION PERSON	MUNICIPALITY SERVICES
4-41	MULTI PURPOSE IMPACT CRUSHER WITH COMPLETE WASHING PLATS	LUMP	6 MILLION PERSON	MUNICIPALITY SERVICES
4-42	VIBRATING SCREENS WITH SPRAY WASHING SYSTEMS	2	6 MILLION PERSON	MUNICIPALITY SERVICES
4-43	SPARE PARTS FOR HAMMER MILL OF IMPACT CRUSHER.	LUMP	6 MILLION PERSON	MUNICIPALITY SERVICES
4-44	SURVEYING REQUIREMENT	LUMP	6 MILLION PERSON	MUNICIPALITY SERVICES

<b>4-45</b>	GEOGRAFIC INFORMATION SYSTEM REQUIREMENT	LUMP	6 MILLION PERSON	MUNICIPALITY SERVICES
<b>4-46</b>	PLANNING DESING REQUIREMENT	LUMP	6 MILLION PERSON	MUNICIPALITY SERVICES
<b>4-47</b>	GENERATORS	LUMP	6 MILLION PERSON	MUNICIPALITY SERVICES
SECTION 5	EXCUSION OF SEWAGE WORK		6 MILLION PERSON	MUNICIPALITY SERVICES
A.	A: excusion of Doura II Pumping Station and Duplicate West Trunk Sewer		6 MILLION PERSON	MUNICIPALITY SERVICES
	B: EXCUSION KERKH SEWAGE TREATMENT WORKS/ STREAM 7		6 MILLION PERSON	MUNICIPALITY SERVICES