

**Annex (2)
Phase 11
(Electricity Sector)**

14 - 0000A - REQUIREMENT LIST OF POWER STATIONS AND NETWORK

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SECTION –A- 01- AL - MUSSAIB POWER STATION

CODE	ITEM	QYT
04-01-00001	TURBINE SYSTEM EQUIPMENT AND SPARES	10000 PCS+ 5000 SETS
04-01-00002	BOILER TUBES & ACCESSORIES	100000 PCS
04-01-00003	BOILER AUXILIARY SYSTEM AND SPARES	2000 TUBES+ 2000 SETS
04-01-00004	PACKING , SEALING RING OF DIFFERENT SIZES	6500 KG. + 10 000 SHEETS
04-01-00005	AIR HEATERS WITH SPARES	4 SETS + SETS
04-01-00006	CONDENSER TUBES WITH ACCESSORIES	50000 PCS.+1000 SETS
04-01-00007	PUMPS , COMPRESSORS AND ROTARY MACHINES & SPARES	1000 NOS + 500 SET.
04-01-00008	SWITCH YARD EQUIPMENT AND ACCESSARIES & SPARES	12000 NOS+ 600 SET.
04-01-00009	POWER TRANSFORMERS WITH SPARES	2 UNITS + 1000 SETS
04-01-00010	VALVES OF VARIOUS SIZES AND SPARES	10000 NOS. + 5000 SET
04-01-00011	CHEMICALS FOR WATER TREATMENTS	1000 TONS
04-01-00012	WATER TREATMENT EQUIPMENT AND SPARES	2000 PCS+5000 SET.
04-01-00013	CORTEN STEEL	500 TONS
04-01-00014	CONTROL , MEASURMENT AND PROTECTION SYSTEMS & SPAR	5000 PCS+1000 SET.
04-01-00015	DC POWER SUPPLY EQUIPMENT & SPARES	220 UNITS+5000 NOS + 1000 SETS
04-01-00016	GENERATOR , SYSTEM EQUIPMENT & SPARES	250 SETS +2000 NOS
04-01-00017	REHABILITATION AND ENGINEERING SERVICES	4 UNITS
04-01-00018	ELECTRODES OF DIFFERENT SIZES	50 TON
04-01-00019	TURBINE OIL	1000 TONS +100 000 LITER
04-01-00020	SPARE PARTS OF AL-MUSSAIB TURBINES (ROTOR – BLADES DIAPHRAM ,ELECTRONIC COMPONTS ...ETC.)	175 SET
04-01-00021	GAS TURBINES WITH ACCESSARIES	4 UNTS
04-01-00022	FIRE FIGHTING EQUIPMENT WITH SPARES	200 UNITS +1000 PCS + 500 SETS
04-01-00023	TEST EQUIPMENT OF DIFFERENT TYPES AND SPARES	50 UNITS + 100 PCS +1000 SETS
04-01-00024	AIR COOLED CHILLER WITH ACCESSORIES	100 UNITS + 1000 PCS. + 500 SETS
04-01-00025	COMBINED CYCLE UNITS (2X125) MW	2 UNITS
04-01-00026	POWER CABLES OF DIFFERENT SIZES	50 KM
04-01-00027	POWER STATION EXTENTION (2X350) MW	2 UNITS
04-01-00028	SUPPLING BLADES AND SUPERVISION	10 SET .

SECTION –A- 02 - DAURA POWER STATION

CODE	ITEM	QTY
04-01-00029	TURBINE SYSTEM EQUIPMENT AND SPARES	10000 PCS + 1000 SET.
04-01-00030	BOILER TUBES WITH ACCESSORIES	50000 TUBES.+ 1000 SETS
04-01-00031	BOILER AUXILIARY SYSTEM WITH SPARES	1000 SET + 2000 PCS.
04-01-00032	PACKING , SEALING RING OF DIFFERENT SIZES	5500 KG + 10 000 SHEETS
04-01-00033	AIR HEATERS WITH SPARES	4 SETS + 1000 SETS
04-01-00034	CONDENSER TUBES WITH ACCESSORIES	250000 TUBES + 1000 SETS .
04-01-00035	PUMPS , COMPRESSORS , ROTARY MACHINES AND SPARES	2000 NOS + 10000 SET.
04-01-00036	SWITCH YARD EQUIPMENT AND ACCESSORIES	10000 SET + 5000 NOS
04-01-00037	POWER TRANSFORMERS WITH SPARES	2 UNITS + 1000 SETS
04-01-00038	VALVES OF DIFFERENT TYPES WITH ACCESSORIES	15000 NOS. + 4000 SET

04-01-00039	CHEMICALS FOR WATER TREATMENT	5000 TONS
04-01-00040	WATER TREATMENT EQUIPMENT WITH AUXILIARIES	5000 PCS. + 2000 SET
04-01-00041	CORTEN STEEL	100 TONS
04-01-00042	CONTROL , MEASURMENT AND PROTECTION SYSTEMS WITH SPARES	10000 PCS + 1000 SET.
04-01-00043	DC POWER SUPPLY EQUIPMENT WITH ACCESSORIES	7500 UNITS+1000 NOS
04-01-00044	GENERATOR , SYSTEM EQUIPMENT AND SPARES	5000 SETS + 1000 NOS
04-01-00045	REHABILITATION AND ENGINEERING SERVICES ACCORDING TO ATTACHED LISTS	4 UNITS
04-01-00046	ELECTRODES OF DIFFERENT SIZES TURBINE OIL	250 TON 1000 TONS+ 100 000 LITTER
04-01-00047	FIRE FIGHTING EQUIPMENT WITH SPARES	200 UNITS +1000 PCS + 500 SETS
04-01-00048	TEST EQUIPMENT OF DIFFERENT TYPES	100 UNITS + 500 PCS
04-01-00049	AIR COOLED CHILLER WITH ACCESSORIES	100 UNITS + 1000 PCS. + 500 SETS
04-01-00050	GAS TURBINE WITH ACCESSORIES	2 UNITS
04-01-00051	POWER CABLES OF DIFFERENT SIZES	50 KM

SECTION -A- 03 - BAGHDAD SOUTH POWER STATION

CODE	ITEM	QTY
04-01-00052	TURBINE SYSTEM EQUIPMENT WITH AUXILIARIES	12000 PCS + 5000 SET.
04-01-00053	BOILER TUBES WITH ACCESSORIES	60000TUBES +1000 SET
04-01-00054	BOILER AUXILIARY SYSTEM WITH ACCESSORIES	10000 PCS.+ 500 SET
04-01-00055	PACKING OF DIFFERENT SIZES	5000 TUBES +1000 SETS+10000 SHEETS
04-01-00056	AIR HEATERS	6 SETS
04-01-00057	CONDENSER TUBES WITH ACCESSORIES	50000 PCS.
04-01-00058	PUMPS , COMPRESSORS AND ROTARY MACHINES WITH SPARES	2000 NOS + 5000 SET.
04-01-00059	SWITCH YARD EQUIPMENT AND ACCESSARIES	200 SET + 100 NOS
04-01-00060	POWER TRANSFORMERS WITH SPARES	2 UNITS + 1000 SETS
04-01-00061	VALVES OF DIFFERENT TYPES WITH ACCESSORIES	10000 NOS.+ 1000 SET
04-01-00062	CHEMICALS FOR WATER TREATMENT	750 TONS
04-01-00063	WATER TREATMENT EQUIPMENT AND SPARES	20000 PCS + 1000 SET.
04-01-00064	CORTEN STEEL	100 TONS
04-01-00065	CONTROL , MEASURMENT AND PROTECTION SYSTEMS WITH SPARES	50000 PCS. + 2000 SET
04-01-00066	DC POWER SUPPLY EQUIPMENT WITH ACCESSORIES	7500 UNITS+100 PCS
04-01-00067	GENERATOR , SYSTEM EQUIPMENT WITH ACCESSORIES	2000 SETS + 10000 PCS
04-01-00068	REHABILITATION AND ENGINEERING SERVICES ACCORDING TO ATTACHED LISTS	6 UNITS
04-01-00069	TURBINE OIL	1000 TONS+ 100 000 LITTER
04-01-00070	ELECTRODES OF DIFFERENT SIZES	250 TON
04-01-00071	GAS TURBINE WITH ACCESSARIES	3 UNITS
04-01-00072	FIRE FIGHTING EQUIPMENT WITH SPARES	200 UNITS +1000 PCS + 500 SETS
04-01-00073	TEST EQUIPMENT OF DIFFERENT TYPES	50 UNITS + 1000 PCS
04-01-00074	AIR COOLED CHILLER WITH ACCESSORIES	100 UNITS + 1000 PCS. + 500 SETS
04-01-00075	GAS TURBINE UNITS WITH ACCESSORIES FRAME6 (2X40)MW	2 UNITS

04-01-00076	POWER CABLES OF DIFFERENT SIZES	50 KM
04-01-00077	FIBER GLASS FOR FURNANCE FRAME	1000 TON
04-01-00078	VARNISH	10 TON
04-01-00079	FIBER GLASS	50 TON
04-01-00080	MICA –CLASS FABRIC TAPE	10000 ROLL
04-01-00081	POWER TAPE M23	1000 ROLL

SECTION –A- 04 – ZAFARANIYAH DIESEL POWER STATION

CODE	ITEM	QTY
04-01-00082	REHABILITATION AND ENGINEERING SERVICES	4 UNITS.
04-01-00083	FIRE FIGHTING EQUIPMENT WITH SPARES	200 UNITS +1000 PCS + 500 SETS
04-01-00084	TEST EQUIPMENT OF DIFFERENT TYPES	50 UNITS + 100 PCS

SECTION –A- 05 - QADISSIYAH HYDRO - ELECTRIC POWER TATION

CODE	ITEM	QTY
04-01-00085	TURBINE SYSTEM EQUIPMENT WITH ACCESSORIES	1000 PCS + 1000 SET
04-01-00086	GENERATOR SYSTEM EQUIPMENT WITH ACCESSORIES	1000 PCS + 100 SETS
04-01-00087	REHABILITATION OF UNIT GENERATOR	2 UNITS
04-01-00088	CONTROL ,MEASURMENT AND PROTECTION SYSTEMS WITH ACCESSORIES	1500 PCS + 100 SETS
04-01-00089	SWITCH YARD EQUIPMENT WITH ACCESSORIES	400 SETS + 1000 SETS
04-01-00090	DC POWER SUPPLY EQUIPMENT WITH ACCESSORIES	1250 UNITS + 1000 PCS
04-01-00091	GATES AND VALVES WITH ACCESSORIES	500 UNITS + 1000 PCS
04-01-00092	AIR COMPRESSORS AND ACCESSARIES	400 UNITS + 1000 SETS
04-01-00093	CABLE BOX TERMINATIONS WIH ACCESSORIES	140 UNITS
04-01-00094	FIRE FIGHTING EQUIPMENT WITH SPARES	100 UNITS +500 PCS + 250 SETS
04-01-00095	TEST EQUIPMENT OF DIFFERENT TYPES WITH SPARES	100 UNITS + 500 PCS
04-01-00096	REHABILITATION OF THE AIR CONDITIONING SYSTEM FOR . THE P.S	500 UNITS + 500 SETS + 1000 PCS
04-01-00097	PUMPS , COMPRESSOR AND ROTARY	10 SET + 100 NOS

SECTION –A- 06- SAMARRA HYDRO – ELECTRIC POWER STATION

CODE	ITEM	QTY
04-01-00098	TURBINE SYSTEM EQUIPMENT WITH ACCESSORIES	50 SETS + 1000 PCS
04-01-00099	GENERATOR SYSTEM EQUIPMENT WITH ACCESSORIES	100 SETS + 1000 PCS
04-01-00100	CONTROL , MEASURMENT AND PROTECTION SYSTEMS WITH A	30 SETS + 1000 NOS
04-01-00101	DC POWER SUPPLY EQUIPMENT WITH ACCESSORIES	1100 UNITS + 1000 PCS
04-01-00102	GATES AND VALVES WITH SPARES	100 SETS + 1000 PCS
04-01-00103	AIR COMPRESSORS AND ACCESSARIES	60 SETS + 1000 PCS
04-01-00104	FIRE FIGHTING EQUIPMENT WITH SPARES	100 UNITS +500 PCS + 250 SETS
04-01-00105	TEST EQUIPMENT OF DIFFERENT TYPES	50 UNITS + 100 PCS
04-01-00106	POWER CABLES OF DIFFERENT SIZES	50 KM
04-01-00107	SWITCH YARD EQUIPMENT WITH ACCESSORIES	100 SETS + 1000 PCS
04-01-00108	PUMPS , COMRRESSORS AND ROTARY MACHINES	10 SET + 100 NOS

SECTION -A- 07 - HIMREEN HYDRO - ELECTRIC POWER STATION

CODE	ITEM	QTY
04-01-00109	TURBINE SYSTEM EQUIPMENT WITH ACCESSORIES	100 SETS + 1000 PCS
04-01-00110	GENERATOR SYSTEM EQUIPMENT WITH ACCESSORIES	200 PCS. + 500 SETS
04-01-00111	CONTROL , MEASURMENT AND PROTECTION SYSTEMS WITH A	100 PCS. + 1000 PCS
04-01-00112	SWITCH YARD EQUIPMENT WITH ACCESSORIES	100 SETS + 1000 PCS
04-01-00113	DC POWER SUPPLY EQUIPMENT WITH ACCESSORIES	1200 UNITS + 500 PCS
04-01-00114	GATES AND VALVES WITH ACCESSORIES	100 SETS + 500 PCS
04-01-00115	AIR COMPRESSORS AND ACCESSARIES	20 SETS + 1000 SETS
04-01-00116	GAS TURBINE WITH ACCESSARIES	4 UNITS
04-01-00117	FIRE FIGHTING EQUIPMENT WITH SPARES	100 UNITS +500 PCS + 250 SETS
04-01-00118	TEST EQUIPMENT OF DIFFERENT TYPES	50 UNIT + 500 PCS
04-01-00119	COMBINED CYCLE (2X125)MW	2 UNITS
04-01-00120	POWER CABLES OF DIFFERENT SIZES AND VALLAY	50 KM
04-01-00121	PUMPS , COMRRESSORS AND ROTARY MACHINES	10 SET + 100 NOS

SECTION -A- 08 - NAJAF GAS TURBINE POWER STATION

CODE	ITEM	QTY
04-01-00122	TURBINE AND COMPRESSOR BLADES , MOVING STATIONARY WITH ACCESSARIES	(2000) NOS. + (4000) SET
04-01-00123	INNER CASING AND HOT PATH EQUIPMENT	(1000) NOS. + 500 SET
04-01-00124	COMBUSTION EQUIPMENT AND ACCESSARIES	1000 NOS + 500 SET.
04-01-00125	GAS UNITS STARTING DEVICE WITH ACCESSORIES	20 NOS. + 500 SETS
04-01-00126	CONTROL , MEASURMENT AND PROTECTION SYSTEMS WITH ACCESSORIES	1500 NOS. + 500 SET
04-01-00127	GENERATOR , EXCITATION AND ACCESSARIES	300 NOS. + 500 SETS
04-01-00128	PUMPS , MOTORS AND ROTARY MACHINES WITH ACCESSORIES	100 NOS. + 500 SETS
04-01-00129	BATTERIES , CHARGERS AND CONVERTERS WITH ACCESSORIE	500 NOS + 50 SETS
04-01-00130	SWITCH YARD EQUIPMENT WITH ACCESSORIES	100 NOS. + 500 SETS
04-01-00131	REHABILITATION AND ENGINEERING SERVICES ACCORDING TO ATTACHED LISTS	3 UNITS
04-01-00132	GAS TURBINE 165MW EACH WITH ACCESSARIES	2 UNITS
04-01-00133	FIRE FIGHTING EQUIPMENT WITH SPARES	100 UNITS +500 PCS + 250 SETS
04-01-00134	TEST EQUIPMENT OF DIFFERENT TYPES	50 UNITS + 500 PCS
04-01-00135	COMBINDE CYCLY UNITS (2X165)MW	1 UNITS
04-01-00136	SPARE PARTS FOR THE UNITS OF DIFFERENT TYPES	5000 SETS + 1000 PCS
04-01-00137	GAS TURBINE OIL	1000 TONS

SECTION -A- 09 - TAJI GAS TURBINE POWER STATION

CODE	ITEM	QTY
04-01-00138	TURBINE AND COMPRESSOR BLADES MOVING STATIONARY WITH ACCESSARIES	1000 NOS. + 4 SETS
04-01-00139	INNER CASING AND HOT PATH EQUIPMENT	10000 NOS. + 400SETS
04-01-00140	COMBUSTION EQUIPMENT AND ACCESSARIES	10000 NOS. + 400SETS
04-01-00141	GAS UNITS STARTING DEVICE WITH SPARES	15000 NOS.+1000SETS
04-01-00142	CONTROL , MEASURMENT AND PROTECTION SYSTEMS.	1500 NOS.+ 500 SET
04-01-00143	GENERATOR , EXCITATION AND ACCESSARIES	1000 NOS.+ 500 SET

04-01-00144	PUMPS , MOTORS AND ROTARY MACHINES WITH ACCESSORIES	1500 NOS. + 500 SET
04-01-00145	BATTERIES , CHARGERS AND CONVERTERS WITH ACCESSORIES	1000 NOS. + 500 SET
04-01-00146	SWITCH YARD EQUIPMENT WITH ACCESSORIES	1000 NOS. + 500 SET
04-01-00147	REHABILITATION AND ENGINEERING SERVICES	7 UNITS
04-01-00148	REHABILITATION AND ENGINEERING SERVICES FOR MOBILE G.T (IHI & GEC)	22 UNITS
04-01-00149	GAS TURBINE UNITS AND ACCESSARIES	2 UNIT
04-01-00150	FIRE FIGHTING EQUIPMENT WITH SPARES	100 UNITS +500 PCS + 250 SETS
04-01-00151	TEST EQUIPMENT OF DIFFERENT TYPES	50 UNITS + 500 PCS
04-01-00152	(8X15) MW MOBILE GAS TURBINE	8 UNITS

SECTION –A -10 - HILLA GAS TURBINE POWER STATION

CODE	ITEM	QTY
04-01-00153	TURBINE , ROTORS AND COMPRESSOR BLADES MOVING STATIONARY WITH ACCESSARIES	1000 NOS. + 100 SET
04-01-00154	INNER CASING AND HOT PATH EQUIPMENT WITH ACCESSORIES	400 SETS + 1000 NOS
04-01-00155	COMBUSTION EQUIPMENT AND ACCESSARIES	2500 NOS 100 SETS
04-01-00156	GAS UNITS STARTING DEVICE WITH ACCESSORIES	2000 NOS+600 SETS
04-01-00157	CONTROL , MEASURMENT AND PROTECTION SYSTEMS.	1500 NOS.+ 500 SET
04-01-00158	GENERATOR, EXCITATION AND ACCESSARIES	1000 NOS. + 500 SET
04-01-00159	PUMPS , MOTORS AND ROTARY MACHINES WITH ACCESSORIES	550 NOS.+ 1000 SET
04-01-00160	BATTERIES , CHARGERS AND CONVERTERS	100 NOS. + 50 SET
04-01-00161	SWITCH YARD EQUIPMENT WITH ACCESSORIES	5000 NOS + 500 SETS
04-01-00162	REHABILITATION AND ENGINEERING SERVICES	4 UNITS
04-01-00163	GAS TURBINE UNITS & ACCESSARIES	2 UNITS
04-01-00164	FIRE FIGHTING EQUIPMENT WITH SPARES	100 UNITS +500 PCS + 250 SETS
04-01-00165	TEST EQUIPMENT OF DIFFERENT TYPES	50 UNITS + 500 PCS
04-01-00166	POWER CABLES OF DIFFERENT SIZES AND VALLAY	50 KM

SECTION -A- 11 - DAURA GAS TURBINE POWER STATION

CODE	ITEM	QTY
04-01-00167	TURBINE AND COMPRESSOR BLADES MOVING STATIONARY WITH ACCESSARIES	6000 NOS + 600 SETS.
04-01-00168	INNER CASING AND HOT PATH EQUIPMENT WITH ACCESSORIES	1000 NOS.+ 600 SETS
04-01-00169	COMBUSTION EQUIPMENT AND ACCESSARIES	4000 NOS. 2500 SETS
04-01-00170	GAS UNITS STARTING DEVICE WITH ACCESSORIES	1000 NOS.+ 500 SET
04-01-00171	CONTROL , MEASURMENT AND PROTECTION SYSTEMS.	2500 NOS.
04-01-00172	GENERATOR , EXCITATION AND ACCESSARIES	1350 NOS+100 SET.
04-01-00173	PUMPS , MOTORS AND ROTARY MACHINES WITH ACCESSORIES	5000 NOS.+500 SET
04-01-00174	BATTERIES , CHARGERS AND CONVERTERS WITH ACCESSORIES	1750 NOS+ 100 SET
04-01-00175	SWITCH YARD EQUIPMENT WITH ACCESSORIES	150 NOS + 100 SET.
04-01-00176	REHABILITATION AND ENGINEERING SERVICES	4 UNITS
04-01-00177	FIRE FIGHTING EQUIPMENT WITH SPARES	100 UNITS +500 PCS + 250 SETS
04-01-00178	TEST EQUIPMENT OF DIFFERENT TYPES	50 UNITS + 500 PCS
04-01-00179	VALVES OF DIFFERENT TYPES	9000 NOS.
04-01-00180	CHEMICALS FOR WATER TREATMENT .	5000 TONS
04-01-00181	WATER TREATMENT EQUIPMENT	20000 PCS.+ 2000 SET

04-01-00182	CORTEN STEEL	300 TONS
04-01-00183	CONTROL , MEASUREMENT AND PROTECTION SYSTEMS.	10000 PCS +2000 SET.
04-01-00184	DC POWER SUPPLY EQUIPMENT	4500 UNITS+4500 NOS
04-01-00185	GENERATOR, SYSTEM EQUIPMENT	2500 SETS + 5000 NOS.
04-01-00186	ELECTRODES & GRINDING OF DIFFERENT SIZES	100 TON + 100000 PCS
04-01-00187	TURBINE OIL	1000 TONS
04-01-00188	ROTOR OF TVV-200 GENERATOR	2 PCS
04-01-00189	ELECTRIC MOTOR AND SPARE PARTS	2000 PCS
04-01-00190	CIRCUIT BREAKERS AND SPARE PARTS	10000 PCS
04-01-00191	POWER AND CONTROL CABLE	300 KM
04-01-00192	ELECTROLYZED SYSTEM	500 PCS
04-01-00193	TESTING DEVICE AND EQUIPMENT	10000 PCS + 100 SETS
04-01-00194	LIGHTING EQUIPMENT	100000 PCS + 100 SET
04-01-00195	AIR CONDITION EQUIPMENT WITH ALL ACCESSORIES AND SPARES	500 UNIT + 100000 PCS +2000 SET
04-01-00196	REHABILITATION AND ENGINEERING SERVICE	2 UNITS
04-01-00197	SAFETY EQUIPMENT	100000 PCS +10000 SET
04-01-00198	DEFERENT TOOLS	100000 PCS + 5000 SET
04-01-00199	WELDING MACHINES AND SPARES	1000 PCS + 1000 SET
04-01-00200	BATTERIES & BATTERIES CHARGE	5000 PCS + 100 SET
04-01-00201	FIRE FIGHTING SYSTEM AND ALL AUXILIARIES	100000 PCS + 1000 SET
04-01-00202	OIL PURIFICATION EQUIPMENT	4 SETS
04-01-00203	INSULATION MATERIALS	10 TON + 10000 PCS + 1000 ROLL
04-01-00204	WINDING WIRES	50000 KG + 1000 ROLLS
04-01-00205	GAS TURBINE (4X170)MW WITH ACCESSORIES	4 UNITS
04-01-00206	COMBINED CYCLE UNITS (2X170) MW	2 UNITS
04-01-00207	N2 GENERATION PLANT	10 SET
04-01-00208	HYDRAULIC SYSTEM & EQUIPMENT	1000 PCS+ 500 SET
04-01-00209	LOW & HIGH PRESS. HEATERS & HEAT EXCHANGERS & COOLERS	100 SET

SECTION A-12 - NASSIRYAH POWER STATION

CODE	ITEM	QTY
04-01-00210	TURBINE SYSTEM EQUIPMENT AND ACCESSORIES	2000 PCS+2000 SET.
04-01-00211	BOILER TUBES	100000 TUBES.
04-01-00212	BOILER AUXILIARY SYSTEM	10000 PCS +100 SET
04-01-00213	PACKING OF DIFFERENT SIZES	2000 KG
04-01-00214	AIR HEATERS	8 SETS
04-01-00215	CONDENSER TUBES	200000 PCS.
04-01-00216	PUMPS , COMPRESSORS AND ROTARY MACHINES	2400 NOS +60 SET.
04-01-00217	SWITCH YARD EQUIPMENT AND ACCESSORIES	1000 SET + 500 NOS.
04-01-00218	POWER TRANSFORMERS	2 UNITS
04-01-00219	VALVES OF DIFFERENT TYPES	9000 NOS.
04-01-00220	CHEMICALS FOR WATER TREATMENT .	5000 TONS
04-01-00221	WATER TREATMENT EQUIPMENT	20000 PCS.+ 2000 SET
04-01-00222	CORTEN STEEL	300 TONS
04-01-00223	CONTROL , MEASUREMENT AND PROTECTION SYSTEMS.	10000 PCS +2000 SET.
04-01-00224	DC POWER SUPPLY EQUIPMENT	4500 UNITS+4500 NOS
04-01-00225	GENERATOR, SYSTEM EQUIPMENT	2500 SETS + 5000 NOS.
04-01-00226	ELECTRODES & GRINDING OF DIFFERENT SIZES	100 TON + 100000 PCS
04-01-00227	TURBINE OIL	1000 TONS

04-01-00228	ROTOR OF TVV-200 GENERATOR	2 PCS
04-01-00229	ELECTRIC MOTOR AND SPARE PARTS	2000 PCS
04-01-00230	CIRCUIT BREAKERS AND SPARE PARTS	10000 PCS
04-01-00231	POWER AND CONTROL CABLE	300 KM
04-01-00232	ELECTROLYZED SYSTEM	500 PCS
04-01-00233	TESTING DEVICE AND EQUIPMENT	10000 PCS + 100 SETS
04-01-00234	LIGHTING EQUIPMENT	100000 PCS + 100 SET
04-01-00235	AIR CONDITION EQUIPMENT WITH ALL ACCESSORIES AND SPARES	500 UNIT + 100000 PCS +2000 SET
04-01-00236	REHABILITATION AND ENGINEERING SERVICE	2 UNITS
04-01-00237	SAFETY EQUIPMENT	100000 PCS +10000 SET
04-01-00238	DEFERENT TOOLS	100000 PCS + 5000 SET
04-01-00239	WELDING MACHINES AND SPARES	1000 PCS + 1000 SET
04-01-00240	BATTERIES & BATTERIES CHARGE	5000 PCS + 100 SET
04-01-00241	FIRE FIGHTING SYSTEM AND ALL AUXILIARIES	100000 PCS + 1000 SET
04-01-00242	OIL PURIFICATION EQUIPMENT	4 SETS
04-01-00243	INSULATION MATERIALS	10 TON + 10000 PCS + 1000 ROLL
04-01-00244	WINDING WIRES	50000 KG + 1000 ROLLS
04-01-00245	GAS TURBINE (4X170)MW WITH ACCESSORIES	4 UNITS
04-01-00246	COMBINED CYCLE UNITS (2X170) MW	2 UNITS
04-01-00247	N2 GENERATION PLANT	10 SET
04-01-00248	HYDRAULIC SYSTEM & EQUIPMENT	1000 PCS+ 500 SET
04-01-00249	LOW & HIGH PRESS. HEATERS & HEAT EXCHANGERS & COOLER	100 SET

SECTION A - 13 - HARTHA POWER STATION

CODE	ITEM	QTY
04-01-00250	TURBINE SYSTEM EQUIPMENT AND ACCESSORIES	9000 PCS+500 SET.
04-01-00251	BOILER TUBES	500000 TUBES.
04-01-00252	BOILER AUXILIARY SYSTEM	10000 PCS +50 SET
04-01-00253	PACKING OF DIFFERENT SIZES	5000 KG
04-01-00254	AIR HEATERS	4 SETS
04-01-00255	CONDENSER TUBES	250000 PCS.
04-01-00256	PUMPS , COMPRESSORS AND ROTARY MACHINES	52000 NOS +5000 SET.
04-01-00257	SWITCH YARD EQUIPMENT AND ACCESSORIES	2000 SET + 10000 PCS.
04-01-00258	POWER TRANSFORMERS	2 UNITS
04-01-00259	VALVES OF DIFFERENT TYPES	7000 NOS.
04-01-00260	CHEMICALS FOR WATER TREATMENT .	3000 TONS
04-01-00261	WATER TREATMENT EQUIPMENT	30000 PCS.+ 500 SET
04-01-00262	CORTEN STEEL	200 TONS
04-01-00263	CONTROL , MEASUREMENT AND PROTECTION SYSTEMS.	15000 PCS +3500 SET.
04-01-00264	DC POWER SUPPLY EQUIPMENT	2500 UNITS+7500 NOS
04-01-00265	GENERATOR, SYSTEM EQUIPMENT	5000 SETS + 500 PCS.
04-01-00266	ELECTRODES & GRINDING OF DIFFERENT SIZES	100 TON + 100000 PCS
04-01-00267	TURBINE OIL	1000 TONS
04-01-00268	ELECTRIC MOTOR AND SPARE PARTS	2000 PCS
04-01-00269	CIRCUIT BREAKERS AND SPARE PARTS	10000 PCS
04-01-00270	POWER AND CONTROL CABLE	300 KM
04-01-00271	ELECTROLYZED SYSTEM	500 PCS
04-01-00272	TESTING DEVICE AND EQUIPMENT	10000 PCS + 100 SETS
04-01-00273	LIGHTING EQUIPMENT	100000 PCS + 100 SET

04-01-00274	AIR CONDITION EQUIPMENT WITH ALL ACCESSORIES AND SPARES	500 UNIT + 100000 PCS +2000 SET
04-01-00275	REHABILITATION AND ENGINEERING SERVICE	2 UNITS
04-01-00276	SAFETY EQUIPMENT	100000 PCS +10000 SET
04-01-00277	DEFERENT TOOLS	100000 PCS + 5000 SET
04-01-00278	WELDING MACHINES AND SPARES	1000 PCS + 1000 SET
04-01-00279	BATTERIES & BATTERIES CHARGE	5000 PCS + 100 SET
04-01-00280	FIRE FIGHTING SYSTEM AND ALL AUXILIARIES	100000 PCS + 1000 SET
04-01-00281	OIL PURIFICATION EQUIPMENT	4 SETS
04-01-00282	INSULATION MATERIALS	10 TON + 10000 PCS + 1000 ROLL
04-01-00283	WINDING WIRES	50000 KG + 1000 ROLLS
04-01-00284	GAS TURBINE (4X123)MW WITH ACCESSORIES	4 UNITS
04-01-00285	COMBINED CYCLE (2X123) MW	2 UNITS
04-01-00286	N2 GENERATION PLANT	10 SET
04-01-00287	HYDRAULIC SYSTEM & EQUIPMENT	1000 PCS+ 500 SET
04-01-00288	LOW & HIGH PRESS. HEATERS & HEAT EXCHANGERS & COOLER	100 SET

SECTION A - 14 - NAJIBIYAH POWER STATION

CODE	ITEM	QTY
04-01-00289	TURBINE SYSTEM EQUIPMENT AND ACCESSORIES	10000 PCS+1000 SET.
04-01-00290	BOILER TUBES	100000 TUBES.
04-01-00291	BOILER AUXILIARY SYSTEM	10000 PCS +1500 SET
04-01-00292	PACKING OF DIFFERENT SIZES	3000 KG
04-01-00293	AIR HEATERS	4 SETS
04-01-00294	CONDENSER TUBES	80000 PCS.
04-01-00295	PUMPS , COMPRESSORS AND ROTARY MACHINES	3000 NOS +1000 SET.
04-01-00296	SWITCH YARD EQUIPMENT AND ACCESSORIES	1000 SET + 500 PCS.
04-01-00297	POWER TRANSFORMERS	2 UNITS
04-01-00298	VALVES OF DIFFERENT TYPES	10000 NOS. + 500 SET
04-01-00299	CHEMICALS FOR WATER TREATMENT .	3000 TONS
04-01-00300	WATER TREATMENT EQUIPMENT	50000 PCS.+ 500 SET
04-01-00301	CORTEN STEEL	100 TONS
04-01-00302	CONTROL , MEASUREMENT AND PROTECTION SYSTEMS.	5000 PCS +1000 SET.
04-01-00303	DC POWER SUPPLY EQUIPMENT	7500 UNITS+1000 NOS
04-01-00304	GENERATOR, SYSTEM EQUIPMENT	5000 SETS + 1000 PCS.
04-01-00305	ELECTRODES & GRINDING OF DIFFERENT SIZES	100 TON + 100000 PCS
04-01-00306	TURBINE OIL	1000 TONS
04-01-00307	ELECTRIC MOTOR AND SPARE PARTS	2000 PCS
04-01-00308	CIRCUIT BREAKERS AND SPARE PARTS	5000 PCS
04-01-00309	POWER AND CONTROL CABLE	300 KM
04-01-00310	ELECTROLYZED SYSTEM	500 PCS
04-01-00311	TESTING DEVICE AND EQUIPMENT	10000 PCS + 100 SETS
04-01-00312	LIGHTING EQUIPMENT	100000 PCS + 100 SET
04-01-00313	AIR CONDITION EQUIPMENT WITH ALL ACCESSORIES AND SPARES	500 UNIT + 100000 PCS +2000 SET
04-01-00314	REHABILITATION AND ENGINEERING SERVICE	2 UNITS
04-01-00315	SAFETY EQUIPMENT	100000 PCS +10000 SET
04-01-00316	DEFERENT TOOLS	100000 PCS + 5000 SET
04-01-00317	WELDING MACHINES AND SPARES	1000 PCS + 1000 SET
04-01-00318	BATTERIES & BATTERIES CHARGE	5000 PCS + 100 SET

04-01-00319	FIRE FIGHTING SYSTEM AND ALL AUXILIARIES	100000 PCS + 1000 SET
04-01-00320	OIL PURIFICATION EQUIPMENT	4 SETS
04-01-00321	INSULATION MATERIALS	10 TON + 10000 PCS + 1000 ROLLS
04-01-00322	WINDING WIRES	50000 KG + 1000 ROLLS
04-01-00323	N2 GENERATION PLANT	10 SET
04-01-00324	HYDRAULIC SYSTEM & EQUIPMENT	1000 PCS+ 500 SET
04-01-00325	LOW & HIGH PRESS. HEATERS & HEAT EXCHANGERS & COOLER	100 SET

SECTION A – 15 - KHOR AL-ZUBAIR GAS TURBINE POWER STATION

CODE	ITEM	QTY
04-01-00326	TURBINE AND COMPRESSOR BLADES MOVING STATIONARY WITH ACCESSORIES	3000 PCS+50 SET.
04-01-00327	INNER CASING AND HOT PATH EQUIPMENT	1500 PCS + 500 SET
04-01-00328	COMBUSTION EQUIPMENT AND ACCESSORIES	1000 PCS +50 SET
04-01-00329	GAS UNITS STARTING DEVICE	20 PCS
04-01-00330	CONTROL MEASUREMENT AND PROTECTION SYSTEM	1000 PCS + 500 SET
04-01-00331	GENERATOR EXCITATION AND ACCESSORIES	1500 PCS + 500 SET
04-01-00332	PUMPS , MOTOR AND ROTARY MACHINES	1500 PCS + 50 SET
04-01-00333	BATTERIES , CHARGE AND CONVERTERS	5000 PCS + 100 SET
04-01-00334	WATER TREATMENT EQUIPMENT	5000 PCS + 500 SET
04-01-00335	SWITCH YARD EQUIPMENT	2000 PCS+1000 SET
04-01-00336	REHABILITATION AND ENGINEERING SERVICE	2 UNITS
04-01-00337	GAS TURBINE UNITS WITH ACCESSORIES	4 UNIT
04-01-00338	PACKING AND GASKET OF DIFFERENT SIZE	1000 KG
04-01-00339	ELECTRIC MOTOR AND SPARE PARTS	750 PCS
04-01-00340	CIRCUIT BREAKERS AND SPARE PARTS	1500 PCS
04-01-00341	POWER AND CONTROL CABLE	100 KM
04-01-00342	TESTING DEVICE AND EQUIPMENT	2000 PCS + 50 SETS
04-01-00343	LIGHTING EQUIPMENT	10000 PCS + 50 SET
04-01-00344	AIR CONDITION & COOLING SYSTEM EQUIPMENT WITH ALL ACCESSORIES AND SPARES	200 UNIT + 10000 PCS + 50 SET
04-01-00345	SAFETY EQUIPMENT	10000 PCS +1000 SET
04-01-00346	DEFERENT TOOLS	10000 PCS + 1000 SET
04-01-00347	WELDING MACHINES AND SPARES	50 PCS + 20 SET
04-01-00348	OIL FOR TURBINE & GEAR & CIRCUIT	50000 L
04-01-00349	POWER TRANSFORMER	2 UNITS
04-01-00350	FILTERS	10000 PCS
04-01-00351	FIRE FIGHTING SYSTEM AND ALL ACCESSORIES	10000 PCS + 100 SET
04-01-00352	EXHAUST SYSTEM WITH ALL ACCESSORIES	10000 PCS + 1000 SET
04-01-00353	OIL PURIFICATION EQUIPMENT	2 SETS
04-01-00354	INSULATION MATERIALS	10 TON + 10000 PCS + 1000 ROLL
04-01-00355	WINDING WIRES	50000 KG + 1000 ROLLS
04-01-00356	HYDRAULIC SYSTEM & EQUIPMENT	500 PCS+ 250 SET
04-01-00357	LOW & HIGH PRESS. HEATERS & HEAT EXCHANGERS & COOLER	50 SET

SECTION A – 16 - SHUAIBA GAS TURBINE POWER STATION

CODE	ITEM	QTY
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04-01-00358	TURBINE AND COMPRESSOR BLADES MOVING STATIONARY WITH ACCESSORIES	3000 PCS+400 SET.
04-01-00359	INNER CASING AND HOT PATH EQUIPMENT	1000 PCS + 400 SET
04-01-00360	COMBUSTION EQUIPMENT AND ACCESSORIES	10000 PCS +40 SET
04-01-00361	GAS UNITS STARTING DEVICE	150 PCS + 10 SET
04-01-00362	CONTROL MEASUREMENT AND PROTECTION SYSTEM	750 PCS + 10 SET
04-01-00363	GENERATOR EXCITATION AND ACCESSORIES	500 PCS + 100 SET
04-01-00364	PUMPS , MOTOR AND ROTARY MACHINES	100 PCS +500 SET.
04-01-00365	BATTERIES , CHARGE AND CONVERTERS	500 PCS + 50 SET
04-01-00366	WATER TREATMENT EQUIPMENT	5000 PCS + 500 SET
04-01-00367	SWITCH YARD EQUIPMENT	2000 PCS + 100 SET
04-01-00368	REHABILITATION AND ENGINEERING SERVICE	2 UNITS
04-01-00369	GAS TURBINE UNITS WITH ACCESSORIES	4 UNIT
04-01-00370	PACKING AND GASKET OF DIFFERENT SIZE	1000 KG
04-01-00371	ELECTRIC MOTOR AND SPARE PARTS	750 PCS
04-01-00372	CIRCUIT BREAKERS AND SPARE PARTS	1500 PCS
04-01-00373	POWER AND CONTROL CABLE	100 KM
04-01-00374	TESTING DEVICE AND EQUIPMENT	2000 PCS + 50 SETS
04-01-00375	LIGHTING EQUIPMENT	10000 PCS + 50 SET
04-01-00376	AIR CONDITION & COOLING SYSTEM EQUIPMENT WITH ALL ACCESSORIES AND SPARES	200 UNIT + 10000 PCS + 50 SET
04-01-00377	SAFETY EQUIPMENT	10000 PCS +1000 SET
04-01-00378	DEFERENT TOOLS	10000 PCS + 1000 SET
04-01-00379	WELDING MACHINES AND SPARES	50 PCS + 20 SET
04-01-00380	OIL FOR TURBINE & GEAR & CIRCUIT	50000 L
04-01-00381	POWER TRANSFORMER	2 UNITS
04-01-00382	FILTERS	10000 PCS
04-01-00383	FIRE FIGHTING SYSTEM AND ALL ACCESSORIES	10000 PCS + 100 SET
04-01-00384	EXHAUST SYSTEM WITH ALL ACCESSORIES	10000 PCS + 1000 SET
04-01-00385	OIL PURIFICATION EQUIPMENT	2 SETS
04-01-00386	INSULATION MATERIALS	10 TON + 10000 PCS + 1000 ROLL
04-01-00387	WINDING WIRES	50000 KG + 1000 ROLLS
04-01-00388	HYDRAULIC SYSTEM & EQUIPMENT	500 PCS+ 250 SET
04-01-00389	LOW & HIGH PRESS. HEATERS & HEAT EXCHANGERS & COOLERS	50 SET

SECTION -A -17- PETRO CHEMICAL GAS UNITS

CODE	ITEM	QTY
04-01-00390	TURBINE AND COMPRESSOR BLADES MOVING STATIONARY WITH ACCESSORIES	3000 PCS+400 SET.
04-01-00391	INNER CASING AND HOT PATH EQUIPMENT	1000 PCS + 400 SET
04-01-00392	COMBUSTION EQUIPMENT AND ACCESSORIES	10000 PCS +40 SET
04-01-00393	GAS UNITS STARTING DEVICE	150 PCS + 10 SET
04-01-00394	CONTROL MEASUREMENT AND PROTECTION SYSTEM	750 PCS + 10 SET
04-01-00395	GENERATOR EXCITATION AND ACCESSORIES	500 PCS + 100 SET
04-01-00396	PUMPS , MOTOR AND ROTARY MACHINES	100 PCS +500 SET.
04-01-00397	BATTERIES , CHARGE AND CONVERTERS	500 PCS + 50 SET
04-01-00398	SWITCH YARD EQUIPMENT	2000 PCS + 100 SET
04-01-00399	REHABILITATION AND ENGINEERING SERVICE	2 UNITS
04-01-00400	GAS TURBINE UNITS WITH ACCESSORIES	4 UNIT
04-01-00401	PACKING AND GASKET OF DIFFERENT SIZE	1000 KG
04-01-00402	ELECTRIC MOTOR AND SPARE PARTS	750 PCS
04-01-00403	CIRCUIT BREAKERS AND SPARE PARTS	1500 PCS

04-01-00404	POWER AND CONTROL CABLE	100 KM
04-01-00405	TESTING DEVICE AND EQUIPMENT	2000 PCS + 50 SETS
04-01-00406	LIGHTING EQUIPMENT	10000 PCS + 50 SET
04-01-00407	AIR CONDITION & COOLING SYSTEM EQUIPMENT WITH ALL ACCESSORIES AND SPARES	200 UNIT + 10000 PCS + 50 SET
04-01-00408	SAFETY EQUIPMENT	10000 PCS +1000 SET
04-01-00409	DEFERENT TOOLS	10000 PCS + 1000 SET
04-01-00410	WELDING MACHINES AND SPARES	50 PCS + 20 SET
04-01-00411	OIL FOR TURBINE & GEAR & CIRCUIT	50000 L
04-01-00412	POWER TRANSFORMER	2 UNITS
04-01-00413	FILTERS	10000 PCS
04-01-00414	FIRE FIGHTING SYSTEM AND ALL ACCESSORIES	10000 PCS + 100 SET
04-01-00415	EXHAUST SYSTEM WITH ALL ACCESSORIES	10000 PCS + 1000 SET
04-01-00416	OIL PURIFICATION EQUIPMENT	2 SET
04-01-00417	INSULATION MATERIALS	10 TON + 10000 PCS + 1000 ROLLS
04-01-00418	WINDING WIRES	50000 KG + 1000 ROLLS
04-01-00419	HYDRAULIC SYSTEM & EQUIPMENT	500 PCS+ 250 SET
04-01-00420	LOW & HIGH PRESS. HEATERS & HEAT EXCHANGERS & COOLER	50 SET

SECTION -A -18- BAIJI POWER STATION

CODE	ITEM	QTY
04-01-00421	TURBINE SYSTEM EQUIPMENT	50000 PCS + 5000 SET.
04-01-00422	BOILER TUBES	100000 PCS.
04-01-00423	BOILER AUXILIARY SYSTEM	500 PCS + 2000 KG
04-01-00424	PACKING OF DIFFERENT SIZES	2000 KG
04-01-00425	AIR HEATERS	6 SETS
04-01-00426	CONDENSER TUBES	95000 PCS.
04-01-00427	PUMPS , COMPRESSORS AND ROTARY MACHINES	300 NOS.+ 200 SET
04-01-00428	SWITCH YARD EQUIPMENT AND ACCESSARIES	100 SET + 2000 PCS
04-01-00429	POWER TRANSFORMERS	2 UNITS
04-01-00430	VALVES OF VARIOUS SIZES	2000 NOS + 1000 SET
04-01-00431	CHEMICALS FOR WATER TREATMENT	1000 TONS
04-01-00432	WATER TREATMENT EQUIPMENT	5000 PCS + 1000 SET.
04-01-00433	CORTEN STEEL	300 TONS
04-01-00434	CONTROL , MEASURMENT AND PROTECTION SYSTEMS.	5000 PCS + 2000 SET.
04-01-00435	DC POWER SUPPLY EQUIPMENT	2500 UNITS + 1000 PCS
04-01-00436	GENERATOR , SYSTEM EQUIPMENT	2000 SETS + 1000 PCS
04-01-00437	REHABILITATION AND ENGINEERING SERVICES	6 UNITS
04-01-00438	ELECTRODES OF DIFFERENT SIZES	50 TON
04-01-00439	TURBINE OIL	1000 TONS
04-01-00440	GAS TURBINE POWER STATION 160 MW EACH WITH AUXILIARIES	4 UNITS
04-01-00441	COMBINED CYCLE UNITS (2X160) MW	2 UNITS
04-01-00442	EQUIPMENT FOR ERECTION AND CONSUMABLE MATERIAL	LOT
04-01-00443	GAS TURINE FRAME (6) WITH ACCESSARIES	9 UNITS
04-01-00444	EQUIPMENT FOR ERECTION AND CONSUMABLE MATERIALS FOR GAS TURBINE POWER STATION .	LOT
04-01-00445	FIRE FIGHTING EQUIPMENT WITH SPARES	200 UNITS +1000 PCS + 500 SETS
04-01-00446	TEST EQUIPMENT OF DIFFERENT TYPES	50 UNITS + 100 PCS
04-01-00447	AIR COOLED CHILLER WITH ACCESSARIES	100 UNITS + 1000 PCS. + 500 SETS
04-01-00448	400 KV POWER CABLE XLPLE WITH ACCESSARIES	50 KM

04-01-00449	POWER CABLES OF DIFFERENT SIZES	50 KM
04-01-00450	TRANSFORMER OIL	100 TON
04-01-00451	DEISEL GENERATOR	2 SETS

SECTION -A -19- SADDAM HYDRO - ELECTRIC POWER STATION

CODE	ITEM	QTY
04-01-00452	TURBINE SYSTEM EQUIPMENT AND SPARES	40 SETS+ 1000 PCS
04-01-00453	GENERATOR SYSTEM EQUIPMENT AND SPARES	200 PCS
04-01-00454	CONTROL , MEASURMENT AND PROTECTION SYSTEMS WITH SPARES	600 PCS
04-01-00455	SWITCH YARD EQUIPMENT AND SPARES	200 SETS
04-01-00456	DC POWER SUPPLY EQUIPMENT WITH SPARES	1200 UNITS
04-01-00457	GATES AND VALVES WITH SPARES	200 UNITS
04-01-00458	AIR COMPRESSORS AND ACCESSARIES	60 UNITS
04-01-00459	FIRE FIGHTING EQUIPMENT WITH SPARES	100 UNITS +500 PCS + 250 SETS
04-01-00460	TEST EQUIPMENT OF DIFFERENT TYPES	50 UNITS + 100 PCS
04-01-00461	POWER CABLES OF DIFFERENT SIZES	50 KM
04-01-00462	TRANSFORMER OIL	100 TON
04-01-00463	POWER TRANSFORMERS 400 KV & 132 Kv	5 NOS + 2 SETS
04-01-00464	PUMPS , COMPRESSORS AND ROTARY MACHINES	50 NOS + 30 SETS
04-01-00465	PACKING OF DIFFERENT SIZES	2000 Kg
04-01-00466	TURBINE OIL	100 TON

SECTION -A -20 - DIBIS POWER STATION

CODE	ITEM	QTY
04-01-00467	TURBINE SYSTEM EQUIPMENT AND SPARES	100 PCS.
04-01-00468	BOILER TUBES	10000 TUBES.
04-01-00469	BOILER AUXILIARY SYSTEM	200 PCS + 100 SET
04-01-00470	PACKING OF DIFFERENT SIZES	500 KG
04-01-00471	CONDENSER TUBES	40000 TUBES.
04-01-00472	PUMPS , COMPRESSORS AND ROTARY MACHINES	100 NOS + 50 SET.
04-01-00473	SWITCH YARD EQUIPMENT AND ACCESSARIES	300 SET + 100 NOS.
04-01-00474	POWER TRANSFORMERS	2 UNITS
04-01-00475	VALVES OF DIFFERENT TYPES	200 NOS.
04-01-00476	CONTROL , PROTECTION AND MEASURING SYSTEM.	2000 PCS + 100 SET.
04-01-00477	DC POWER SUPPLY EQUIPMENT	1250 UNITS+100 PCS
04-01-00478	GENERATOR , SYSTEM EQUIPMENT	100 SETS + 50 PCS
04-01-00479	REHABILITATION AND ENGINEERING SERVICES	4 UNITS
04-01-00480	ELECTRODES OF DIFFERENT SIZES	50 TON
04-01-00481	REHABILITATION AND ENGINEERING SERVICES	4 UNITS
04-01-00482	FIRE FIGHTING EQUIPMENT WITH SPARES	200 UNITS +1000 PCS + 500 SETS
04-01-00483	TEST EQUIPMENT OF DIFFERENT TYPES	50 UNITS + 100 PCS
04-01-00484	AIR COOLED CHILLER WITH ACCESSORIES	100 UNITS + 1000 PCS. + 500 SETS
04-01-00485	POWER CABLES OF DIFFERENT SIZES	50 KM
04-01-00486	WATER TREATMENT FOR DIBIS POWER STATION	200 PCS + 100 NO

SECTION -A -21 - DIBIS GAS TURBINE POWER STATION

CODE	ITEM	QTY
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04-01-00487	TURBINE AND COMPRESSOR BLADES MOVING STATIONARY WITH ACCESSARIES	3000 NOS. + 400 SETS
04-01-00488	INNER CASING AND HOT PATH EQUIPMENT	1000 NOS. + 400 SETS
04-01-00489	COMBUSTION EQUIPMENT AND ACCESSARIES	2000 NOS.+ 500 SETS
04-01-00490	GAS UNITS STARTING DEVICE	1000 NOS.+ 500 SETS
04-01-00491	CONTROL , MEASURMENT AND PROTECTION SYSTEMS.	250 NOS+ 100 SET
04-01-00492	GENERATOR , EXCITATION AND ACCESSARIES	4000 NOS+100 SET
04-01-00493	PUMPS , MOTORS AND ROTARY MACHINES	2000 NOS + 1000 SET
04-01-00494	BATTERIES , CHARGERS AND CONVERTERS	2000 NOS + 50 UNITS.
04-01-00495	SWITCH YARD EQUIPMENT	1000 NOS.+500 SET
04-01-00496	DIFFUSER FOR TURBINE , UPPER AND LOWER PARTS	4 SET
04-01-00497	REHABILITATION AND ENGINEERING SERVICES	3 UNITS
04-01-00498	GAS TURBINE WITH ACCESSARIES (4X150)MW	4 UNITS
04-01-00499	FIRE FIGHTING EQUIPMENT WITH SPARES	100 UNITS +500 PCS + 250 SETS
04-01-00500	TEST EQUIPMENT OF DIFFERENT TYPES	50 UNITS + 500 PCS
04-01-00501	COMBINED CYCLE UNITS (2X150)MW	2 UNITS
04-01-00502	POWER CABLES OF DIFFERENT SIZES	50 KM

SECTION -A -22- MOSUL GAS TURBINE POWER STATION

CODE	ITEM	QTY
04-01-00503	TURBINE AND COMPRESSOR BLADES MOVING STATIONARY WITH ACCESSARIES	10000 NOS. + 2000 SET
04-01-00504	INNER CASING AND HOT PATH EQUIPMENT	150 NOS.
04-01-00505	COMBUSTION EQUIPMENT AND ACCESSARIES	2000 NOS + 20 SET.
04-01-00506	GAS UNITS STARTING DEVICE	1500 NOS + 500 SET
04-01-00507	CONTROL , MEASURMENT AND PROTECTION SYSTEMS.	500 NOS + 500 SET
04-01-00508	GENERATOR , EXCITATION AND ACCESSARIES	2000 NOS+300 UNITS
04-01-00509	PUMPS , MOTORS AND ROTARY MACHINES	2500 NOS + 1000 SET.
04-01-00510	BATTERIES , CHARGERS AND CONVERTERS	1500 NOS + 500 SET
04-01-00511	SWITCH YARD EQUIPMENT	2500 NOS.+ 500 SET
04-01-00512	SUPERVISION FOR REHABILITATION	10 UNITS.
04-01-00513	REHABILITATION AND ENGINEERING SERVICES	12 UNITS
04-01-00514	GENERAL SPARE PARTS FOR FRAME-5 GAS TURBINES	LOT
04-01-00515	GAS TURBINE UNITS AND ACCESSARIES	2 UNITS
04-01-00516	FIRE FIGHTING EQUIPMENT WITH SPARES	100 UNITS +500 PCS + 250 SETS
04-01-00517	TEST EQUIPMENT OF DIFFERENT TYPES	50 UNITS + 500 PCS
04-01-00518	POWER CABLES OF DIFFERENT SIZES AND VALLAY	50 KM
04-01-00519	TURBINE OIL	10 TON
04-01-00520	TRANSFORMER OIL	50 TON

SECTION –A- 23 - MULLA ABDULLA GAS TURBINE POWER STATION

CODE	ITEM	QTY
04-01-00521	TURBINE AND COMPRESSOR BLADES MOVING STATIONARY WITH ACCESSARIES	15000 NOS. + 400 SETS
04-01-00522	INNER CASING AND HOT PATH EQUIPMENT	1500 NOS. 400 SETS
04-01-00523	COMBUSTION EQUIPMENT AND ACCESSARIES	1000 NOS. 400 SETS
04-01-00524	GAS UNITS STARTING DEVICE	500 NOS. 250 SETS

04-01-00525	CONTROL , MEASURMENT AND PROTECTION SYSTEMS.	1800 NOS+100 SET
04-01-00526	GENERATOR , EXCITATION AND ACCESSARIES	2000 NOS + 100 SET.
04-01-00527	PUMPS , MOTORS AND ROTARY MACHINES	1200 NOS + 100 SET.
04-01-00528	BATTERIES , CHARGERS AND CONVERTERS	500 NOS+200 SETS
04-01-00529	SWITCH YARD EQUIPMENT	1000 NOS + 500 SET.
04-01-00530	REHABILITATION AND ENGINEERING SERVICES	10 UNITS
04-01-00531	GAS TURBINE UNITS AND ACCESSARIES	12 UNITS
04-01-00532	FIRE FIGHTING EQUIPMENT WITH SPARES	100 UNITS +500 PCS + 250 SETS
04-01-00533	TEST EQUIPMENT OF DIFFERENT TYPES	50 UNITS + 500 PCS
04-01-00534	COMBINED CYCLE UNITS (2X50)MW	2 UNITS
04-01-00535	POWER CABLES OF DIFFERENT SIZES	50 KM

SECTION -A- 24- SINHAREEB HYDRO - ELECTRIC POWER STATION (4 X 42.5) MW

CODE	ITEM	QTY
04-01-00536	ENGINEERING , EMBEDDED PARTS AND MANUFACTURING OF SOME PARTS FOR THE SUPPLY OF (4X42.5)MW UNIT.	4 UNITS
04-01-00537	EQUIPMENT (ELECTRO MECHANICAL) FOR SUPPLYING (4X42.5 MW) HYDRO POWER UNITS	LOT
04-01-00538	TESTING AND INSPECTION EQUIPMENT	LOT
04-01-00539	FIRE FIGHTING EQUIPMENT WITH SPARES	100 UNITS +500 PCS + 250 SETS
04-01-00540	TEST EQUIPMENT OF DIFFERENT TYPES	50 UNITS + 500 PCS

SECTION -A-25- AL-ADHAIM HYDRO-ELECTRIC POWER STATION(2X15) MW

CODE	ITEM	QTY
04-01-00541	ENGINEERING , EMBEDDED PARTS AND MANUFACTURING OF SOME PARTS FOR THE SUPPLY OF (2X 15)MW	2 UNITS
04-01-00542	EQUIPMENT (ELECTRO MECHANICAL) FOR SUPPLYING (2X15 MW) HYDRO POWER UNITS	LOT
04-01-00543	TESTING , INSPECTION EQUIPMENT	5 SET
04-01-00544	FIRE FIGHTING EQUIPMENT WITH SPARES	100 UNITS +500 PCS + 250 SETS
04-01-00545	TEST EQUIPMENT OF DIFFERENT TYPES	50 UNITS + 500 PCS
04-01-00546	POWER CABLES OF DIFFERENT SIZES	50 KM
04-01-00547	MAKHOOOL HYDRO - ELECTRIC POWER STATION (4 X 65)MW	4 UNITS

SECTION -A- 26 – YOUSIFIYAH POWER STATION (8 X 210) MW

CODE	ITEM	QTY
04-01-00548	COMPLETE POWER STATION WITH ALL AUXILIARY UNITS AND SERVICES	8 UNITS
04-01-00549	COMPLETE 400KV S/S WITH ACCESSORIES	1 LOT
04-01-00550	AUXILIARY EQUIPMENT FOR ONE UNIT 200 MW	1 LOT
04-01-00551	POWER CABLES OF DIFFERENT SIZES	5000 KM

SECTION -A- 27 – AL- ANBAR POWER STATION (6X300) MW

CODE	ITEM	QTY
04-01-00552	COMPLETE POWER STATION WITH ALL AUXILIARY UNITS AND SERVICES WITH MATERIAL AND EQUIPMENT FOR ERECTION	6 UNITS
04-01-00553	MATERIAL & EQUIPMENT FOR CIVIL ENGINEERING & CONSTRUCTION	LOT
04-01-00554	INSPECTION & CONSULTANCY WORKS	LOT

04-01-00555	POWER CABLES OF DIFFERENT SIZES	5000 KM
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SECTION -A- 28 - NORTH POWER STATION (4X350 MW)

CODE	ITEM	QTY
04-01-00556	COMPLETE BOILERS & ACCESSARIES	4 UNITS
04-01-00557	COMPLETE TURBINE & ACCESSARIES	4 UNITS
04-01-00558	COMPLETE GENERATOR & ACCESSARIES	4 UNITS
04-01-00559	WATER TREATMENT PLANT & ACCESSARIES	LOT
04-01-00560	SWITCH YARD EQUIPMENT AND ACCESSARIES	LOT
04-01-00561	SUPPLY, ERRECTION, FITTING EQUIPMENT AND ALL GENERAL SYSTEMS	4 UNITS
04-01-00562	SUPPLY OF GAS , HEAVY AND LIGHT OIL SYSTEMS AND DISCHARGE SYSTEM , OIL CARRIER TRUCK AND ALL OTHER ACCESSARIES	4 UNITS
04-01-00563	SUPPLY OF COOLING EQUIPMENT WITH ACCESSORY EQUIPMENT AND CIVIL ENGINEERING MATERIAL	4 UNITS
04-01-00564	SUPPLY OF HYDROGEN AND OXYGEN GENERATION EQUIPMENT AND COMPRESSORS WITH OTHER ACCESSARIES.	4 UNITS
04-01-00565	SUPPLY OF ALL TRANSFORMERS NEEDED FOR THE POWER STATION	4 UNIT
04-01-00566	SUPPLY OF WATER INTAKE PUMPING FROM THE RIVER. WATER TREATMENT PLANT, VALVES AND ALL ACCESSARIES	4 UNIT
04-01-00567	PROJECT CONSULTATION AND WORK COORDINATION	40 MAN - MONTH
04-01-00568	TEST AND INSPECTION EQUIPMENT	1 LOT
04-01-00569	SUPPLY OF AUTOMATIC CONTROL AND ELECTRICAL EQUIPME	4 UNIT
04-01-00570	SUPPLY OF ALL THE CABLE NEEDED FOR POWER STATION .	LOT
04-01-00571	SUPPLY OF ALL COMMUNICATION EQUIPMENT NEEDED FOR 4 UNITS	LOT
04-01-00572	SUPPLY OF EQUIPMENTS FOR THE BALANCE PLANT	LOT
04-01-00573	GAS TURBINE (4X 160) MW EACH WITH AUXILIARIES	4 UNIT
04-01-00574	COMBINED CYCLE UNITS (2X160)MW	2 UNITS
04-01-00575	MATERIAL & EQUIPMENT FOR CIVIL ENGINEERING & CONSTRUC	LOT
04-01-00576	FIRE FIGHTING SYSTEM	LOT
04-01-00577	MATERIAL AND EQUIPMENT REQUIRED FOR ERECTION WORKS	LOT
04-01-00578	POWER CABLES OF DIFFERENT SIZES	5000 KM
04-01-00579	BRIDGS CRANES	SET

SECTION -A- 29- SALAH AL-DEEN POWER STATION (4 X 300 MW)

CODE	ITEM	QTY
04-01-00580	ENGINEERING AND CAMP FACILITIES WITH CIVIL ENGINEERING MATERIAL FOR CONSTRUCTION THE PROJECT	4 UNIT
04-01-00581	SUPPLY EQUIPMENT AND SERVICES FOR FOUR UNITS AND AUXILIAIRY NEEDED (4 X 300 MW)	4 UNIT
04-01-00582	MATERIAL FOR CIVIL ENGINEERING	LOT
04-01-00583	EQUIPMENT FOR CIVIL ENGINEERING CONSTRUCTION	LOT
04-01-00584	CAMP FACILITES MATERIAL AND EQUIPMENT REQUIRED FOR ERECTION WORK	LOT
04-01-00585	COOLING TOWER	2 UNITS
04-01-00586	POWER CABLES OF DIFFERENT SIZES	5000 KM

SECTION -A- 30 - GAS TURBINE UNITS

CODE	ITEM	QTY
04-01-00587	GAS TURBINE UNITS WITH ACCESSARIES (FRAME 9 OR EQUIVALENT) WITH COMBINED CYCLE .	14 UNIT
04-01-00588	GAS TURBINE UNITS WITH ACCESSARIES (FRAME 6 OR EQUIVALENT)	14 UNIT
04-01-00589	GAS TURBINE UNITS WITH ACCESSARIES (FRAME 5 OR EQUIVALENT)	14 UNIT

04-01-00590	POWER CABLES OF DIFFERENT SIZES	5000 KM
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SECTION -A- 31 - MOBILE GAS TURBINE

CODE	ITEM	QTY
04-01-00591	MOBILE GAS TURBINE WITH ACCESSARIES (2-15 MW)	50 UNITS
04-01-00592	SUBSTATION 132 / 33 / KV COMPLETE WITH ALL ACCESSARIES	25 UNITS
04-01-00593	FLOATING GAS TURBINE UNITS WITH ACCESSARIES (4 X 25MW)	4 UNIT
04-01-00594	POWER CABLES OF DIFFERENT SIZES	1000 KM

SECTION -A- 32 - BAGHDAD EAST GAS POWER STATION

CODE	ITEM	QTY
04-01-00595	GAS POWER STATION COMPLETE WITH ACCESSARIES (6X123.5MW)	6 UNIT
04-01-00596	EQUIPMENT FOR ERECTION AND CONSTRUCTION MATERIAL	LOT
04-01-00597	COMBINED CYCLE UNITS (3X123) MW	3 UNITS
04-01-00598	POWER CABLES OF DIFFERENT SIZES	5000 KM

SECTION -A- 33 - WASIT POWER STATION (6X220)MW

CODE	ITEM	QTY.
04-01-00599	COMPLETE BOILERS AND ACCESSARIES	6 UNITS
04-01-00600	COMPLETE TURBINE AND ACCESSARIES	6 UNITS
04-01-00601	COMPLETE GENERATOR AND ACCESSARIES	6 UNITS
04-01-00602	WATER TREATMENT PLANT AND ACCESSARIES CAPACITY 6 X 75 CUR MET	6 LINES
04-01-00603	SWITCH YARD EQUIPMENT AND ACCESSARIES	24 SET
04-01-00604	ENGINEERING AND TECHNICAL ASSISTANCE FOR MANUFACTURING , CONSTRUCTION & COMESSAINING	1000 MAN. MONTH
04-01-00605	SUPPLY OF GAS , HEAVY AND LIGHT OIL SYSTEMS AND DISCHARGE SYSTEM , OIL CARRIER TRUCK AND ALL OTHER ACCESSARIES	6 UNITS
04-01-00606	SUPPLY OF COOLING EQUIPMENT WITH ACCESSORY EQUIPMENT AND CIVIL ENGINEERING MATERIAL	6 UNITS
04-01-00607	SUPPLY OF HYDROGEN AND OXYGEN GENERATION EQUIPMENT AND COMPRESSORS WITH OTHER ACCESSARIES .	6 UNITS
04-01-00608	FIRE FIGHTING EQUIPMENT SUPPLY OF ALL TRANSFORMERS NEEDED FOR THE POWER STATION	6 UNITS
04-01-00609	SUPPLY OF WATER INTAKE PUMPING FROM THE RIVER . WATER TREATMENT PLANT , VALVES AND ALL ACCESSARIES	6 UNITS
04-01-00610	PROJECT CONSULTATION AND WORK COORDINATION	400 MAN- MONTH
04-01-00611	TEST AND INSPECTION EQUIPMENT	10 SET
04-01-00612	SUPPLY OF AUTOMATIC CONTROL AND ELECTRICAL EQUIPMEN	6 UNITS
04-01-00613	SUPPLY OF ALL THE CABLE NEEDED FOR POWER STATION	LOT
04-01-00614	SUPPLY OF ALL COMMUNICATION EQUIPMENT NEEDED FOR 6 UNITS	LOT
04-01-00615	MATERIAL FOR CIVIL ENGINEERING	LOT
04-01-00616	EQUIPMENT FOR CIVIL ENGINEERING CONSTRUCTION	LOT
04-01-00617	MATERIAL AND EQUIPMENT REQUIRED FOR ERECTION WORKS	LOT
04-01-00618	SUPPLY OF SEWAGE SYSTEM PLANT	2 SET
04-01-00619	FURNITURES LABORATORIES WELFARE BUILDING , ADMINISTRATION , CANTEEN ...ETC	LOT
04-01-00620	FIRE FIGHTING SYSTEMS	6 UNITS
04-01-00621	AIR CONDITIONING & VENTILLATION SYSTEM	6 UNITS
04-01-00622	CONSTRUCTION & ERECTION MATERIALS	6 UNITS
	<u>CONSTRUCTION MACHINERY</u>	
	<u>1- EQUIPMENT FOR EARTH - WORK EXCAVATION</u>	
04-01-00623	EXCAVATOR	12

04-01-00624	LOADER		5
04-01-00625	BULLDOZER		10
04-01-00626	VIBRATORY ROLLER		3
04-01-00627	ROCK-DRILLING CRUSHER		2
04-01-00628	AUTO-UNLOADING TRUCK	10	32
	<u>2- LIFTING MACHINERY</u>		
04-01-00629	CRAWLER CRANE		2
04-01-00630	CRAWLER - MOUNTED CRANE	150T,	3
04-01-00631	MOBIL CRANE	5	3
04-01-00632	TYRE CRANE		10
04-01-00633	GANTRY CRANE		4
04-01-00634	OVERHEAD CRADLE	Z	8
04-01-00635	HYDRAULIC LIFTING DEVICE		1
04-01-00636	HYDRAULIC ELEVATOR PLATFORM	14	1
04-01-00637	DOUBLE - SPEED WINCH		12
04-01-00638	WINCH		20
	<u>3- EQUIPMENT FOR HORIZONTAL TRANSPORTATION</u>		
04-01-00639	TRAILOR SET		2
04-01-00640	TRUCK		2
04-01-00641	FLAT CAR		1
04-01-00642	DUMP TRUCK (CONCRETE)		10
	<u>4- CONCRETE MACHINERY</u>		
04-01-00643	CONCRETE MIXING STATION		2
04-01-00644	CONCRETE PUMPING TRUCK	IP	3
04-01-00645	CONCRETE MIXER		13
04-01-00646	CONCRETE GROUTING PUMP		1
04-01-00647	FORMWORK LIFTING DEVICE (FOR WATER TOWER)		1 SET
04-01-00648	HYDRAULIC FORMWORK LIFTING DEVICE (FOR STACK)		1 SET
04-01-00649	JACKING DEVICE FOR INNER STEEL SHAFT OF STACK		1 SET
04-01-00650	MORTAR MIXER		6
	<u>5- STEEL BAR & WOODWORKING MACHINERY</u>		
04-01-00651	SEAM WELDING MACHINE	150	3
04-01-00652	STEEL BAR BENDING MACHINE	DIAMETER	3
04-01-00653	STEEL BAR CUTTING MACHINE	DIAMETER	2
04-01-00654	STEEL BAR STRAIGHTENING & CUTTING MACHINE	DIAMETER	2
04-01-00655	STEEL BAR BENDING MACHINE	DIAMETER	2
04-01-00656	DISC SAW		2
04-01-00657	PENDULUM SAW		1
04-01-00658	CUTTING & THREADING MACHINE	/ DIAMETER	2
04-01-00659	FLAT PLANE IRON		2
04-01-00660	COMPRESSING PLANE MACHINE		1
	<u>6- WELDING MACHINE</u>		
04-01-00661	INVERT - WELDING MACHINE		280
04-01-00662	DC WELDING MACHINE		6
04-01-00663	AC WELDING MACHINE		10
04-01-00664	AUTOMATIC ARC WELDING MACHINE	1000A	2
04-01-00665	AUTO - WELDING OPERATION STAND		2
04-01-00666	ALUMINUM WELDING MACHINE	PP-500	2
04-01-00667	SUBMERGED ARC WELDING MACHINE		2
04-01-00668	FAR INFRARED ELECTRODE OVEN	150KG	3
04-01-00669	POWER FREQUENCY HEAT TREATMENT EQUIPMENT	180K	4
04-01-00670	PLASMA CUTTER	100MM	3

7- EQUIPMENT FOR METAL FABRICATION			
04-01-00671	LATHE	400* 1500MM	1
04-01-00672	PLANER	900MM	1
04-01-00673	RADICAL DRILLING MACHINE	DIAMETER 50-80MM,	5
04-01-00674	MAGNET DRILL	DIAMETER 32-50MM	6
04-01-00675	PUNCH SHEARS	10MM	1
04-01-00676	PLATE SHEARS	13-20MM	1
04-01-00677	PLATE BENDING ROLLER	20* 2500	1
04-01-00678	GROOVE - FORMING MACHINE	DIAMETER 300-1500MM	4
04-01-00679	SMALL PNEUMATIC GROOVE - FORMING MACHINE	< DIAMETER	4
04-01-00680	BANK TYPE GROOVE- FORMING MACHINE		1
04-01-00681	HYDRAULIC PIPE BENDER	DIAMETER	1
04-01-00682	MOTOR -OPERATED PIPE BENDER	DIAMETER 60MM	1
04-01-00683	MANUAL- OPERATED PIPE BENDER		3
04-01-00684	MOTOR -OPERATED THEADING MACHINE	DIAMETER 75	2
8- POWER EQUIPMENT			
04-01-00685	AIR COMPRESSOR		2
04-01-00686	AIR COMPRESSOR (MOVING TYPE)		8
04-01-00687	MULTI- STAGE PUMP		2
04-01-00688	ANTI- CORROSION PUMP		1
04-01-00689	MOTOR -OPERATED PUMP FOR PRESSURE TESTING		2
04-01-00690	VACUUM PUMP		1
04-01-00691	GENERATOR		6
04-01-00692	HIGH VACUUM OIL FILTER		1
04-01-00693	PRESSURE OIL FILTER		3
04-01-00694	OIL FLUSHING EQUIPMENT		1
9- TESTING & MONITORING EQUIPMENT			
04-01-00695	INSTRUMENT FOR X - RAY INSPECTION		4
04-01-00696	INSTRUMENT FOR Y - RAY INSPECTION		2
04-01-00697	SPECTROMETER		1
04-01-00698	INSTRUMENT FOR ULTRASONIC INSPECTION		1
04-01-00699	AUTOMATIC DEVELOPING MACHINE		1
04-01-00700	OMNIBEARING MEASURMENT DEVICE		1
04-01-00701	THEODOLITE		6
04-01-00702	LEVELING INSTRUMENT		4
04-01-00703	LASER COLLIMATOR		1
04-01-00704	LASER CENTERING DEVICE		1
04-01-00705	CONCRETE / SAND / STONE TESTING EQUIPMENT		1 SET
04-01-00706	ELECTRICAL TESTING INSTRUMENT		1 SET
04-01-00707	I & C TESTING INSTRUMENT		1 SET
04-01-00708	CHEMICAL ANALYSIS EQUIPMENT FOR METAL		1 SET
04-01-00709	COATING PACHOMETER		2
04-01-00710	SPARK DETECTING EQUIPMENT		2
04-01-00711	HARDNESS SCALE	100HF	2
04-01-00712	UNIVERSAL TESTING MACHINE		1
04-01-00713	PRESSURE TESTING MACHINE		1

SECTION -B -34 - TRANSMISSION NETWORK

CODE	ITEM	QTY
04-01-00714	SWITCH GEARS WITH SPARES	2500 SETS + 1000 PCS

04-01-00715	TRANSFORMERS AND SPARE PARTS	100 UNITS+1500 SETS
04-01-00716	TRANSFORMER OIL	25000 TONS
04-01-00717	CIRCUIT BREAKERS AND SPARE PARTS	3000 SETS 1500 PCS.
04-01-00718	DC POWER SUPPLY EQUIPMENT AND ACCESSARIES	3000 SETS + 1000 NOS.
04-01-00719	TESTING EQUIPMENT OF DIFFERENT TYPES	5000 SETS + 1000 PCS
04-01-00720	ELECTRICAL POWER SUPPLY CENTER SPARES	15000 PCS.+ 2000 NOS.
04-01-00721	TRANSMISSION LINES SPARES	10000 SETS+50000 PCS
04-01-00722	BAGHDAD EAST-BAGHDAD SOUTH 400KV LINE EQUIPMENT	LOT
04-01-00723	BAGHDAD EAST- DIYALAH – TAMEEM 400KV LINES EQUIPMENT	LOT
04-01-00724	MOBILE SUBSTATION 132/33KV 15MVA & 25 MVA	50 UNITS
04-01-00725	MOBILE SUBSTATION 132/11KV 10MVA OR 25MVA	80 UNITS
04-01-00726	POWER LINE CARRIER COMMUNICATION EQUIPMENT	1500 SET + 600 PCS
04-01-00727	WIRELESS EQUIPMENT FOR MOBILE AND PORTABLE COMMUNICATION	1000 PCS
04-01-00728	PILOT CABLE CARRIER COMMUNICATION EQUIPMENT	1000 SET + 2000 PCS
04-01-00729	SWITCHING COMMUNICATION EQUIPMENT	1000 SET + 500 PCS
04-01-00730	VHF / MW COMMUNICATION EQUIPMENT	350 SET + 500 PCS
04-01-00731	FIBER OPTICS COMMUNICATION SDH EQUIPMENT	500 SET+ 1000NOS
04-01-00732	FIBER OPTICS COMMUNICATION CABLES	5000 KM
04-01-00733	NETWORK MANAGEMENT CENTRE FOR COMMUNICATION EQUIPMENT	30 SETS
04-01-00734	TELE PROTECTION EQUIPMENT	100 PCs
04-01-00735	TEST EQUIPMENT FOR COMMUNICATION SYSTEMS	700 PCS + 300 SET
04-01-00736	VOLTAGE TRANSFORMER WITH SPARES	50 SETS + 1000 PCS
04-01-00737	OPTICAL FIBER GROUND WIRE (OPGW)CONTROL OF ELECTRICAL	5000 KM
	TRANSMISSION AND DISTRIBUTION NETWORK MATERIAL AND ACCESSARIES	
04-01-00738	* TOWERS OF DIFFERENT TYPES	25000 NOS + 10000 SET
04-01-00739	* INSULATORS & BUSHINGS	300000 NOS
04-01-00740	* WIRE OF ALUMINIUM AND COPPER	50000 KM + 310000 TON
04-01-00741	* SAFETY EQUIPMENT	25000 SETS + 25000 PCS
04-01-00742	* AIR CONDITIONING EQUIPMENT WITH ALL ACCESSARIES AND SPARES	2000 UNITS + 10000 PCS + 5000 SET
04-01-00743	* GRAIN ORIENTED SILICON STEEL	5000 TON
04-01-00744	- CABLE BOX TERMINATION 400 & 132 KV WITH ACCESSARIES	1000 SETS + 5000 PCS
04-01-00745	* ENAMILING WIRE & ENAMIL OIL	2000 TON
04-01-00746	* INSULATION PAPERS	2500 TON
04-01-00747	* P.V.C. FOR SHEATING AND INSULATION	3000 TON
04-01-00748	* LEAD ALLOY	5000 TON
04-01-00749	*- ACCESSARIES FOR TRANSFORMERS LINES	150000 PCS+ 15000 SET
04-01-00750	* WHITE METAL	500 TONS
04-01-00751	* SILICAGEL	100 TONS
04-01-00752	* INSULATION MATERIALS	10 TON + 10000PCS + 1000 ROLLS
04-01-00753	* WINDING WIRES	50000 KG + 1000 ROLLS
04-01-00754	* CHEMICALS AND LUBRICANTS	1000 KG
04-01-00755	* LIGHTING EQUIPMENTS WITH ACCESSARIES & SPARES	2500 SETS + 2500 NO
04-01-00756	REHABILITATION OF HARTHA - KHOR ALZUBAIR 400KV LINE	100 KM
04-01-00757	REHABILITATION OF TAMEEM - TASLUGA 132KV LINE	112 KM
04-01-00758	REHABILITATION OF QARAQOSH - ARBIL 132KV LINE	70 KM
04-01-00759	REHABILITATION OF DIBIS - ERBIL 132KV LINE	60 KM
04-01-00760	EQUIPMENT TOOLS MACHINERY AND CRANES FOR ERECTION OF OVER HEADLINE 400/132KV	LOT

04-01-00761	STRINGING EQUIPMENT FOR OVER HEADLINE 400 &132KV	LOT
	400 KV TRANSMISSION LINES:-	
04-01-00762	O/H LINE MATERIAL (TOWERS , CONDUTORS , INSULATORS , ETC) FOR CONNECTION OF SALAH-ALDAIN POWER STATION TO THE NET WORKS	100 KM
04-01-00763	O/H LINE MATERIAL (TOWERS , CONDUTORS , INSULATORS , ETC) FOR CONNECTION OF BAGHDAD - SOUTH S/S TO BAGHDAD CENTER	50 KM
04-01-00764	O/H LINE MATERIAL (TOWERS , CONDUTORS , INSULATORS , ETC) FOR CONNECTION OF YOUSIFIYA- POWER STATION TO BAGHDAD - SOUTH S/S	30 KM
04-01-00765	O/H LINE MATERIAL (TOWERS , CONDUTORS , INSULATORS , ETC) FOR CONNECTION OF BAGHDAD - SOUTH S/S TO BAGHDAD - WEST S/S	50 KM
04-01-00766	O/H LINE MATERIAL (TOWERS , CONDUTORS , INSULATORS , ETC) FOR CONNECTION OF QEIM S/S TO SYRIA - BOARDER	30 KM
04-01-00767	O/H LINE MATERIAL (TOWERS , CONDUTORS , INSULATORS , ETC) FOR CONNECTION OF MOSUL 400KV S/S TO TURKISH-BOARDER	140 KM
	132KV TRANSMISSION LINES:-	
04-01-00768	O/H LINE MATERIAL (TOWERS , CONDUTORS , INSULATORS , ETC) FOR CONNECTION OF SALAH-ALDAIN POWER STATION TO OTHER 132KV S/S	100 KM
04-01-00769	O/H LINE MATERIAL (TOWERS , CONDUTORS , INSULATORS , ETC) FOR CONNECTION OF AL-AMAIN 400KV S/S TO BAGHDAD NET WORK	80 KM
04-01-00770	O/H LINE MATERIAL (TOWERS , CONDUTORS , INSULATORS , ETC) FOR CONNECTION OF BAGHDAD - CENTER TO THE NET-WORK	120 KM
04-01-00771	O/H LINE MATERIAL (TOWERS , CONDUTORS , INSULATORS , ETC) FOR CONNECTION OF LINES TO THE SUBSTATION IN RASAF AND AL-KARKH NEW BAGHDAD - MASHTAL S/S	30 KM
04-01-00772	O/H LINE MATERIAL (TOWERS , CONDUTORS , INSULATORS , ETC)FOR NEW BAGHDAD SAMIDIYA S/S	10 KM
04-01-00773	O/H LINE MATERIAL (TOWERS , CONDUTORS , INSULATORS , ETC) FOR NEW BAGHDAD THAWORA S/S	20 KM
04-01-00774	O/H LINE MATERIAL (TOWERS , CONDUTORS , INSULATORS , ETC) FOR NEW BAGHDAD JAZEAR - YARMOUK S/S	10 KM
04-01-00775	132 KV HIGH VOLTAGE CABLES WITH ACCESSORIES , BAGHDAD NORTH-KADIMIYA-HURIYA	240 KM
04-01-00776	CURRENT TRANSFORMERS FOR OUTDOOR INSTALLATION WITH SPARES	500 NOS
04-01-00777	POWER TRANSFORMERS MATERIAL AND ACCESSARIES	1000 SET + 500 NOS.
04-01-00778	EQUIPMENT AND MATERIAL FOR REPAIR WORKSHOP OF POWER TRANSFORMERS TO COVER THE FOLLOWING:- POSITIVE PRESSURE EQUIPMENT , DRY AIR FACILITIES , LIFTING FACILITIES AND MATERIAL AND TOOLS .	1000 SET
04-01-00779	ELECTRICITY DISPATCH CENTERS (REHABILITATION AND INSTALLATION OF NEW CENTERS)	4 NOS
04-01-00780	REHABILITATION AND INSTALLATION OF NEW TELECOMMUNICATION EQUIPMENT FOR VOICE, DATA COMMUNICATION AND POWER LINE PROTECTION	LOT
04-01-00781	ALUMINIUM INGOT FOR PRODUCTION OF ACSR ELECTRICAL POWER TRANSMISSION LINES	10000 TON

04-01-00782	STEEL REINFORCEMENT CABLES FOR ELECTRICAL POWER TRANSMISSION LINES	10000 TON
04-01-00783	NEW SUBSTATION 132/33/11 KV	15 UNITS
04-01-00784	EXTENTION OF EXISTING SUBSTATION 132/33/11 KV FOR (TAJI) (BAB AL- ZUBAIR) (HINDIYAH BARRAGE)	10 UNITS + 10 LOT
04-01-00785	TRANSDUCER AND METERING EQUIPMENT	5000 SET + 1000 NOS
04-01-00786	SWITCH YARD EQUIPMENT AND ACCESSARIES	150000 SET + 5000 NOS
04-01-00787	SUBSTATION MAINTENANCE EQUIPMENT	150000 SET + 2000 NOS
04-01-00788	OIL AND SF6 PURIFICATION EQUIPMENT	500 SET + 1000 PCS.
04-01-00789	TRANSFORMER OIL OF DIFFERENT TYPES	2000 TON
04-01-00790	POWER CABLES OF DIFFERENT SIZES AND VOLTAGES	10000 KM + 200000 PCS + 25000 SET
04-01-00791	SF6 GAS	100000 KG
04-01-00792	BAGHDAD NETWORK, COMPLETE 132KV LINE BAYS (ISKAN AL KHIR, JAZAIR, DAURA, YARMUK, TAJI , RASHIDIA)	17 BAYS
04-01-00793	132 KV NEW S/S & EXTENSION (BASRAH NET WORK)	LOT
04-01-00794	BASRAH CENTER S/S COMPLETE NEW S/S	LOT
04-01-00795	EXTENSION OF BASRAH EAST S/S COMPLETE 132KV LINE & TRANSFORMER BAYS	4 BAYS
04-01-00796	EXTENSION OF NAJIBIYAH P.S. NETWORK COMPLETE 132 KV LINE BAY	1 BAY
	<u>132 KV NEW S/S. & EXTENSION</u>	
04-01-00797	* AGARGUF S/S	LOT
04-01-00798	* ADHAMIYAH	LOT
04-01-00799	* AL-WASHASH	LOT
04-01-00800	- AL-KADHAMIYAH EXTENSTION, COMPLETE 132KV LIN BAY	4 BAYS
04-01-00801	- AL-RASHIDIYAH EXTENSTION, COMPLETE 132KV LIN BAY	2 BAYS
04-01-00802	- AL-MAARI EXTENSTION, COMPLETE 132KV LIN BAY	2 BAYS
04-01-00803	RUMILLA NO.1 S/S	LOT
04-01-00804	RUMELA NO.2 S/S	LOT
04-01-00805	RUMELA NO.3 S/S	LOT
04-01-00806	RUMELA NO.4 S/S	LOT
04-01-00807	RUMELA NO.5 S/S	LOT
04-01-00808	JURF AL-SIQAR EXTENSION S/S	TWO MAIN TR,AND TWO 33KV SECTIONS
04-01-00809	NEW S/S HADETHA	LOT
04-01-00810	NEW S/S BAQUBA	LOT
04-01-00811	NEW S/S HAWEGA	LOT
04-01-00812	400 & 132KV CABLES WITH OTHER ACCESSARIES	5000 KM + 10000 PCS
04-01-00813	132KV & 400KV OVER HEAD LINE WITH OTHER ACCESSARIES	10000 KM+ 5000 PCS
04-01-00814	EXTENTION OF EXISTING SUBSTATION 132/33/11 KV	10 UNITS
04-01-00815	POWER CABLES OF DIFFERENT SIZES	25000 KM
04-01-00816	CONTROL CABLES OF DIFFERENT SIZES	50000 KM
04-01-00817	FIRE FIGHTING SYSTEM AND ALL ACCESSORIES	10000 PCS + 100 SET
04-01-00818	INSULATION OIL FOR CABLES	1000 TON
04-01-00819	LIGHTING EQUIPMENT	10000 PCS + 50 SET
04-01-00820	BATTERIES AND BATTERY CHARGERS	600 PCS + 30 SET
04-01-00821	ELECTRONIC EQUIPMENT	3000 PCS
04-01-00822	COMPUTERIZED WITH ALL ACCESSORIES	10 SET + 3000 PCS
04-01-00823	TESTING DEVICAE AND EQUIPMENT	500 PCS + 30 SETS
04-01-00824	FIRE FIGHTING SYSTEM AND ALL ACCESSORIES	2000 PCS + 50 SET
04-01-00825	DEFERENT TOOLS	1000 PCS + 50 SET
04-01-00826	ACCESSORIES FOR POWER LINE CARRIER EQUIPMENT : WAVE , TRAPS , CAPACITORS , FILTER , CABLES AND CARDS .	1000 PCS
04-01-00827	ACCESSORIES FOR RADIO EQUIPMENT : AERIALS , CABELS , TOWER , CONTROL EQUIPMENI AND CONNECTORS	1000 SETS

04-01-00828	COMMUNICATION SUPPLY ACCESSORIES	150 SETS
04-01-00829	REMOTE TERMINAL UNITS AND ACCESSORIES	150 SETS
04-01-00830	GENERAL SERVICE EQUIPMENT : TELEX , TELEPHONE AND PHOTOCOPY	1000 PCS
04-01-00831	PERSONAL COMPUTERS WITH SOFTWARE AND ACCESSORIES	100 PCS
04-01-00832	NEW 400KV SUBSTATION	4 UNITS
04-01-00833	EXTENSION OF EXISTING 400KV SUBSTATION	LOT
04-01-00834	NEW S/S AL-MISHRAK 132KV	LOT
04-01-00835	NEW S/S MOSUL UNIVERCITY 132KV	LOT
04-01-00836	NEW S/S NORTH SAMARA 132KV	LOT
04-01-00837	AL_ Rasafawater treatment project S/S	LOT
04-01-00838	New AL- FaoS/S/ of 132 KV	LOT
04-01-00839	NEW S/S OF JAMELA 132KV	LOT
04-01-00840	NEW S/S OF AL-FARABY 132KV	LOT
04-01-00841	EXTENSION OF ALMUTHNA S/S 132KV	LOT
04-01-00842	EXTENSION OF BALAD S/S 132KV	MAIN TR, ONE BAY 11,33/ KV ONE SECTION FOR EACH
04-01-00843	EXTENSION OF SADAM S/S 400KV	LOT
04-01-00844	NEW S/S AL-MAHMODAYH 132KV	LOT
04-01-00845	NEW S/S OF DAURA INDUSTRY 132KV	LOT
04-01-00846	NEW S/S OF NAJAF SOUTH 132KV	LOT
04-01-00847	STRAIGHT JOINT BOX (1X800)MM 132KVA	30 SET
04-01-00848	TERMINATION JOINT BOX (1X800)MM 132KVA	10 SET
04-01-00849	DIFFERENT TOOLS	11000 SETS + 50000 PC
04-01-00850	POWER CABLES OF DIFFERENT SIZES AND VOLTAGES	50 KM
04-01-00851	COMPLETE SCADA SYSTEM FOR THE THREE REGINAL FOR THE CONTROL CENTERS WITH MIDDLE REGION, NORTH REGION AND SOUTH REGION	3 SET
04-01-00852	WALKIE TALKIE EQUIPMENT FOR SITE WORKS	1000 PCS
04-01-00853	HEAD AREM ASSEMBLY (SERVO): PART NO.: 92773402	6 No
04-01-00854	HEAD AREM ASSEMBLY (UPPER): PART NO.: 92773401	18 No
04-01-00855	HEAD AREM ASSEMBLY (LOWER): PART NO.: 92773400	12 No
04-01-00856	DATA PACK	10 No
04-01-00857	RGB COLOUR MONITOR TYPE CONRAC MODEL 7122 OR NEWER	4 NO
04-01-00858	LOGIC POWER SUPPLY XS-4313 (5V, 150 AMP)	2 NO
04-01-00859	MEMORY POWER SUPPLY PART NO.: 550-100168-002	2 NO
04-01-00860	1930 POWER SUPPLY PART NO.: 550-100093-001	2 NO
04-01-00861	CONSOLE CONTROLLER MC - 4905 PART NO. : 516-100145-	1 NO
04-01-00862	PERIPHERAL BUS SWITCH CONTROLLER MC-4906 PART NO. : 516-200062-001	2 NO
04-01-00863	FRONT - END CONTROLLER MC-4805 PART NO.: 516-20008	2 NO

SECTION -C -35- TRAINING PROGRAMMES , TOOLS AND FACILITIES , EXP

CODE	ITEM	QTY
	TRAINING AND SIMULATION EQUIPMENT TO COVER THE FOLLOWING ACTIVITIES:	
04-01-00864	GENERATION , TRANSMISSION AND DISTRIBUTION OF ELECTRICITY	10 SET
04-01-00865	MANUFACTURING OF POWER AND DISTRIBUTION TRANSFORMERS	10 SET
04-01-00866	MANUFACTURING OF CONDUCTORS FOR TRANSMISSION AND DISTRIBUTION OF ELECTRICITY.	10 SET
04-01-00867	MANUFACTURING OF TOWERS FOR 400 KV AND 132 KV TRANSMISSION LINES.	5 SET
04-01-00868	OTHER SUPPORTING ACTIVITES TO THE ELECTRICAL SECTO	LOT
04-01-00869	COMPUTERIZED DISPLAY FACILITIES FOR TRAINING PURPOS	500 PCS + 500 SETS
04-01-00870	LABORATORIES FOR TRAINING	5 NO.
04-01-00871	TRAINING AIDS AND TOOLS.	20 SET

04-01-00872	TRAINING COURSES	200 MAN - MONTH
04-01-00873	EXPERTS OF DIFFERENT SPECIALIZATION, POWER STATIONS , TRANSMISSION , STUDY , PLANNINGetc	20 NOS

SECTION D- 36 - GENERATOR MAINTENANCE WORKSHOP

CODE	ITEM	UNIT
04-01-00874	1000 T MOVABLE PRESS MACHINE MAX. CAPACITY 10,000 KN	1 SET
04-01-00875	250 T TROLLY SUPPORT FOR STATOR WINDING ASSEMBLING MAX. LOAD 250T	2 SET
04-01-00876	250 / 50T CRANE RAIL HEIGHT 22M	1 SET
04-01-00877	75/10T + 100/20T CRANES RAIL HEIGHT 16M	ONE FOR EACH
04-01-00878	OVEN 13.5 x 6.5 x 7.5 M , MAX. TEMP. 165 DEGREE CENTIGRADE+	1 SET
04-01-00879	HOT JACKET OVEN 1.5 x 1.5 x 2.5 M , MAX. TEMP. 450 B1221	1 SET
04-01-00880	INDUCTION HEATING UNIT 250 KW	1 SET
04-01-00881	TROLLY SUPPORT FOR ROTOR WINDING ASSEMBLING 40T EACH ONE PAIR OF THEM ARE INSULATED ROLLER	2 SET
04-01-00882	MOVABLE MIDDLE FREQUENCY WELDING MACHINE MAX. OUTPUT 70 KW	1 SET
04-01-00883	5000 KW DRIVING MOTOR RATING OUTPUT 5000KW , 3600 RPM	1 SET
04-01-00884	HYDROGEN & OIL SYSTEMS FACILITIES FOR TESTING GENERAT	1 SET
04-01-00885	6M HORIZONTAL LATHE CENTER HEIGHT OVER BED 630MM , CENTER HEIGHT OVER BED 630 MM , 14T	1 SET
04-01-00886	15M HORIZONTAL LATHE DIST. BETWEEN CENTER 15000MM , CENTER HEIGHT OVER BED 1250MM , 80T	1 SET
04-01-00887	SLOTTER MIN/MAX DIA 800/DIA 1200, L18000MM	1 SET
04-01-00888	1.2M VERTICAL LATHE MAX. TURNING DIA 1250 MAX. HEIGHT OF WORKPIECE H 1000 MAX. WEIGHT POF WORKPIECE 3T	1 SET
04-01-00889	2.5M VERTICAL LATHE DIA 2500 *H1600 , 10T	1 SET
04-01-00890	4M VERTICAL LATHE DIA 4000 *H2500,20T/30T	1 SET
04-01-00891	STATOR FRAME MACHINE MILLING & BORING MACHINE + SIDE BORING MACHINE	1 SET
04-01-00892	DIA 160 FLOOR TYPE MILLING & BORING MACHINE BORING SPINDLE DIA 160 X-AXIS TRAVEL 6000MM Y- AXIS TRAVEL 3000MM Z- AXIS TRAVEL 800MM W- AXIS TRAVEL 800MM	1 SET
04-01-00893	DIA 200 FLOOR TYPE MILLING & BRING MACHINE DIA 200*10000*5000*1500*1500WITH 2000*2000 ROTARY TABLE	1 SET
04-01-00894	DIA 250 FLOOR TYPE MILLING & BOARING MACHINE DIA 250*10000*6000*1700*1600	1 SET
04-01-00895	RAIL MILLING MACHINE W 2000*L9000	1 SET
04-01-00996	DIA 100 DRILLING MACHINE MAX. DRILLING DIA 100MM TABLE SIZE 800*1250 SPINDLE TRAVEL 500MM	1 SET
04-01-00997	DIA 50 DRILLING MACHINE MAX. DRILLING DIA 50MM	1 SET
04-01-00998	DIA 50 MOVABLE DRILLING MACHINE MAX. DRILLING DIA 50MM SPINDLE TRAVEL 315 MM TILTING ANGLE OF SPINDLE HEAD +90 - - 90	1 SET
04-01-00999	SUPPORT WITH ROLLER 40T EACH, CENTER HEIGHT ONE SET IS HIGH ANOTHER SET IS LOW	2 SET
04-01-01000	MATERIAL TEST INSTRUMENT	1 SET

04-01-01001	120/20T + 75/10T CRANES GN = 120T /20T , GN=75/10T , S=21.5M,H	5 SET
04-01-01002	MULTI -HEAD PRESS AND HEATING EQUIPMENT OF STATOR COI	1 SET
04-01-01003	AUTOMATC INSULATING MACHINE LENGTH 9M, BIND SPINDLE SPEED 150RPM	1 SET
04-01-01004	NIBBLER LENGTH 10M,CROSS CUTTING AREA 3MM*15MM	1 SET
04-01-01005	BENCH TYPE TRANSPOSITION MACHINE	1 SET
04-01-01006	REFRIGERATOR	1 SET
04-01-01007	BENDER FORMING OF STATOR HALF COIL END TURN	1 SET
04-01-01008	WINDING OVEN (COIL OVEN) BACKING OF STATOR HALF , 170 DEGREE CENTIGRADE	1 SET
04-01-01009	ICE-HOUSE	1 SET
04-01-01010	PURGED INSULATING ROOM	1 SET
04-01-01011	STATOR WINDING TEST EQUIPMENT	1 SET
04-01-01012	MEDIUM FREQUENCY BRAZING APPARATUS MFG70KW	1 SET
04-01-01013	PARALLEL RING FORMINGTABLE	1 SET
04-01-01014	SAWAD - OFF MACHINE 40 x 90MM	2 SET
04-01-01015	ROBLE BAR ASSEMBLY TABLE 1.2 x1 x 4 M	6 SET
04-01-01016	COIL LOADING RACKS 1.5 x 1.5M	24 SET
04-01-01017	NON - OXYGEN ANNEAL FURNACE MAX. TEMP. 700DEGREE CEN	1 SET
04-01-01018	UNIVERSAL MILLING MACHINE WITH TOOLS (X8126)WORKING TA 270MM*700MMTRAVEL OF TABLE LONGITUDINAL 300MM TRAVEL OF TABLE VERTICAL 330MM HORIZONTAL SPINDLE CROSS TRAVEL 200MM VERTICAL SPINDLE 80MM	1 SET
04-01-01019	OPEN TILTING PRESS CAP. 40T, SLIDE STROKE 100MM , BLOSTER AREA (RL*FB)700*460MM	1 SET
04-01-01020	UNIVERSAL MILLIG MACHINE WITH JOINED ARM WORKING TABL 250MM*L1120MM TRAVELL LONGITUDINAL 700MM VERTICAL 400MM TRAVEL OF TABLE CROSS 300MM	1 SET
04-01-01021	COPPER WIRE CUTTING MACHINE	1 SET
04-01-01022	STRAIGHTNER	1 SET
04-01-01023	BRUSHING AND CLEANING MACHINE	1 SET
04-01-01024	ROLLING MACHINE	1 SET
04-01-01025	UNIVERSAL MILLING MACHINE XA6132 320x1250MM	1 SET
04-01-01026	HORIZONTAL PRESS 50T	1 SET
04-01-01027	ROTOR WINDING RECTILINEAR INSULATION PRESS 8000*120, TEMP. MAX. 170DEGREE CENTIGRADE.	1 SET
04-01-01028	SAWING MACHINE MAX.T200MM	1 SET
04-01-01029	3x1200 PANEL SHEARING MACHINE	1 SET
04-01-01030	PAPER CUTTING MACHINE 1200*100MM	1 SET
04-01-01031	MIDDLE FREQUENCY INDUCTION HEATING UNIT 8.000 HZ , 100KV	1 SET
04-01-01032	VERTICAL MILLING X53K 400x1600	1 SET
04-01-01033	UNIVERSAL MILLING X63WT 420x2000	1 SET
04-01-01034	UNIVERSAL MILLING X62W 320x1250	1 SET
04-01-01035	DIA 40 RADIAL DRILL MAX. DIA 40	1 SET
04-01-01036	VERTICAL AND HORIZONTAL INTERCEPTING AND SAWING MACHINE MAX.T200MM	1 SET
04-01-01037	CIRCULAR SAWING MACHINE (BAND SAW) FACILITIES FOR CUT	1 SET
04-01-01038	5 T CRANE MOTOR HOIST TYPE	1 SET
04-01-01039	315 PUNCHING MACHINE CAP. 315 T ,2000*1600MM	1 SET
04-01-01040	200T PRESS MACHINE 200T,930*900MM	1 SET
04-01-01041	32T MACHINE NOTCHING 32T,MAX THICKNESS 2.5 MM	1 SET
04-01-01042	LAMINATION VARNISHING LINER 300KW	1 SET
04-01-01043	BELT SANDER BELT SPEED 6 - 40M/MIN	1 SET
04-01-01044	SHARING MACHINE , TWO MAX. 3 MM	2 SET

04-01-01045	63T HUMP PUNCHING MACHINE 63T	1 SET
04-01-01046	25T HUPM PUNCHING MACHINE , TWO 25T	2 SET
04-01-01047	10T CRANE BRIDGE TYPE	1 SET
04-01-01048	SCREW LATHE	1 SET
04-01-01049	LATHE DIA 320*750MM	1 SET
04-01-01050	LATHE DIA 500*1500MM	1 SET
04-01-01051	LATHE DIA 630*1500MM	1 SET
04-01-01052	SHAPER 1000 *500	1 SET
04-01-01053	SHAPER 650*370	1 SET
04-01-01054	MILLING MACHINE 400*1600	1 SET
04-01-01055	MILLING MACHINE 425*2000	1 SET
04-01-01056	MILLING MACHINE 700*270MM	1 SET
04-01-01057	DRILLING MACHINE DIA 25MM	1 SET
04-01-01058	DRILLING MACHINE DIA 50MM	1 SET
04-01-01059	BENCH DRILLING MACHINE DIA 13MM	3 SET
04-01-01060	LATHE TC - 2/TC - 15,6" CLAMP	1 SET
04-01-01061	PRESS MACHINE 50T	1 SET
04-01-01062	OVEN	1 SET
04-01-01063	10T CRANE BRIDGE TYPE	1 SET
04-01-01064	MILING MACHINE YCM - FV 102A TABLE SIZE 1000 x 520	1 SET
04-01-01065	RAIL MILLING MACHINE XK2414 W 1400*L4000	1 SET
04-01-01066	UNIVERSAL TOOL MILLING MACHINE	1 SET
04-01-01067	MARK - OUT PLATFORM	1 SET
04-01-01068	HACK SAWING MACHINE	1 SET
04-01-01069	50/10T CRANE	1 SET
04-01-01070	SHELF	1 SET
04-01-01071	2 T FORK LIFT TRUCK	1 SET
04-01-01072	3 T BATTERY CART	2 SET
04-01-01073	150 /30 T CRANE RAIL HEIGHT 22M , RAIL WIDTH 21.5M	1 SET
04-01-01074	75/10 T CRANE RAIL HEIGHT 16M , RAIL WIDTH 21.5M	1 SET
04-01-01075	30/5 T CRANE RAIL HEIGHT 8M , RAIL WIDTH 16.5M	2 SET
04-01-01076	ASSEMBLY PLATFORM 1.5 x3.0M CAST- IRON PLATFORM	24 SET
04-01-01077	WELDING MACHINES SAW (DC/AC) , CO2 (GAW) , TIG, MAW	10 SET
04-01-01078	ARMOR PLATE PRETREATMENT MACHINE 5 - 60MM x 1.4 - 12M	1 SET
04-01-01079	FLAME NUMercial CONTROL CUTTING MACHINE RAIL WIDTH 6M , RAIL LENGTH 18M	1 SET
04-01-01080	SEMI - AUTO GAS CUTTING MACHINE	2 SET
04-01-01081	PLASMA ARC CUTTING MACHINE	2 SET
04-01-01082	PLATE CUT MACHINE MAX. CAPACITY 25MM x 4M	2 SET
04-01-01083	ROLLERS RECTIFICATION 6 - 16 MM , 1.5 M	2 SET
04-01-01084	300T PRESS MACHINE PLATFORM 1.6 x1.8M	1 SET
04-01-01085	DIA 100 DRILLING MACHINE MAX. DRILLING DIA 100MM	1 SET
04-01-01086	DIA 4.5M VERTICAL LATHE	1 SET
04-01-01087	HORIZONTAL LATHES	2 SET
04-01-01088	SHAPERS	2 SET
04-01-01089	MILLING MACHINES	2 SET
04-01-01090	BENCH DRILLING MACHINES	2 SET
04-01-01091	ROUNDING MACHINE MAX. CAPACITY 30MM x3.2M	2 SET
04-01-01092	1200T PRESS MACHINE	1 SET
04-01-01093	TROLLEY SUPPORT CARRYING CAPACITY 150 T	1 SET
04-01-01094	AUTO - WELD OPERATION SUPPORT AND TURNING ROLLS FOR WELDING GENERATOR FRAME SHELL	1 SET
04-01-01095	SANDBLAST ROOM AND CORRESPONDING DEVICE INSIDE CAVI	1 SET
04-01-01096	HEAT TREATMENT OVEN MAX. TEMP. 1,200	1 SET
04-01-01097	ELEVATOR HMAX 10M	2 SET

04-01-01098	CHANGING FREQUENCY UNIT SYNC MOTOR / GENERATOR 6000	2 SET
04-01-01099	CHANGING FREQUENCY UNIT DC MOTOR / GENERATOR 1800KV	4 SET
04-01-01100	EXCITATION SYSTEM SYNC MOTOR 2000KVA	1 SET
04-01-01101	EXCITATION SYSTEM DC MOTOR 650 KW	2 SET
04-01-01102	PMG UNIT ASYNC MOTOR 155 KW 380V 50HZ 3 PHASE	2 SET
04-01-01103	PMG UNIT DC MOTOR 65 KW 115V 566A	4 SET
04-01-01104	PMG UNIT ASYNC MOTOR 55 KW 380V 50HZ 3 PHASE	5 SET
04-01-01105	PMG UNIT DC MOTOR 27 KW 115V 235A	10 SET
04-01-01106	PMG UNIT ASYNC MOTOR 37 KW 380V 50HZ 3 PHASE	1 SET
04-01-01107	PMG UNIT DC MOTOR 15 KW 115V 130A	2 SET
04-01-01108	HIGH VOLTAGE VACUUM BREAKER TYPE : ZN28 1250A 10KV	20 SET
04-01-01109	LOW VOLTAGE DISTRIBUTION TRANSFORMER 1000KVA 6KV/0.4KV 3PHASE POWER TRANSFORMER	1 SET
04-01-01110	SELF -COUPLED TRANSFORMER FOR STARTING SYNC MOTOR STARTING WHILE VOLTAGE IA AS LOW AS 45%	1 SET
04-01-01111	LIQUID RESISTANCE CHANGER FOR STARTING DRIVING MOTOR	1 SET
04-01-01112	DC BREAKER FOR POWER UNIT DW3 6000A 1000A	6 SET
04-01-01113	DE-MAGNET SWITCH FOR POWER UNIT 200A - 500A	9 SET
04-01-01114	DE-MAGNET SWITCH FOR TEST SITE TYPE DW4 4000A	1 SET
04-01-01115	OIL LUBRICATING SYSTEM WATER PUMP 55KW MOTOR DRIVING 2 GEAR PUMPS UP-OIL CONTAINER 60T DOWN -OIL CONTAINER 15T + 15T	1 SET
04-01-01116	WATER SYSTEM WATER PUMP 12 SH9 792T/H 180KW MOTOR C WATER POOL AND TOWER	1 SET
04-01-01117	H2 & CO2 SYSTEM	1 SET
04-01-01118	AC TENSION RESISTANCE DEVICE	1 SET
04-01-01119	LOW TENSION CONTROLLING CABINET , ETC	1 SET
04-01-01120	HIGH TENSION AND LOW TENSION CABLES	1 SET
04-01-01121	CONTROLLING ROOM	1 SET
04-01-01122	EMERGENCY POWER BATTERY AND CHANGER / BATTERY AND C	1 SET
04-01-01123	560 KVA 70 KV 8A RESONANCE , TRANSFORMER , ETC.	1 SET
04-01-01124	10KV DC CONVERTOR	1 SET
04-01-01125	INSPECTING METERS	1 SET
04-01-01126	20KVA 7KV TEST TRANSFORMER	1 SET
04-01-01127	20KVAPRESSURE REGULATOR AND ISOLATING TRANSFORMER	1 SET
04-01-01128	CONTROLLING CABINET AND MEASURING SYSTEM	1 SET
04-01-01129	TRANSFORMER FOR HEATING STATOR CORE TO BE STACKED AND TEST OF IRON CORE LOSS 1680KVA 6000V/410V-1400V , 2400A - 1200A MULTI TAP AT LOW TENSION , CHANGE VOLTAGE BY MULTI - TAP	1 SET
04-01-01130	ULTRASONIC DETECTOR GERMAN K-K DETECTORS WITH TRANSDUCERS ,ETC	2 SET
04-01-01131	X- RAY DETECTOR 300 KV	1 SET
04-01-01132	EDDY CURRENT DETECTOR INCLUDING TRANSFER DEVICE AND	1 SET
04-01-01133	MAGNET DETECTOR 6000 A	1 SET
04-01-01134	PENATRATING DETECTOR FLURESCENT LAMP EXCLUDING THE CONSUMERS	1 SET
04-01-01135	TENSION 25T	1 SET
04-01-01136	TENSION 60T	1 SET
04-01-01137	METALLOGRAPHICAL MICROSCOPE 100X - 1000X TYPE : 300	1 SET
04-01-01138	INFRARED C-S ANALYZER LCO	1 SET
04-01-01139	ATOMIC ABSORB SPECTRUM ANALYZER PEAA 300	1 SET
04-01-01140	ROUGHNESS METER	1 SET
04-01-01141	MAGNETIC MEASURING DEVICE	1 SET
04-01-01142	IMPACT TESTER	1 SET
04-01-01143	HARDNESS METER	1 SET
04-01-01144	THERMOS-STATE MEDIUM LOSS TEST APPARATUS CONSISTING OF :1 TEST TRANSFORMER 5KVA 20KV 1 HIGH TENSION CAPACITOR 100PF 20 KV 1 HIGH TENSION BRIDGE QS37	1 SET

04-01-01145	TEST APPARATUS FOR BREAKDOWN VOLTAGE AND VOLTAGE ENDURANCE TEST TRANSFORMER	1 SET
04-01-01146	DH-90 BALANCE MACHINE (KEY FACILITIES) DH-90 PEDESTAL	1 SET
04-01-01147	MIDDLE SHAFT AND TRANSMISSION SHAFT	1 SET
04-01-01148	MEASURE SYSTEM	1 SET
04-01-01149	CABFLEXF	1 SET
04-01-01150	HYDRAULIC PRESSURE VEHICLE	1 SET
04-01-01151	OIL SUPPLY SYSTEM FOR STIFNESS WITH ADDITIONAL	1 SET
04-01-01152	MOTOR 5000KW , 3600 RPM	1 SET
04-01-01153	ASSEMBLY & ADJUSTING	1 SET
04-01-01154	ELECTRIC CONTROL SYSTEM ELECTRI CONTROL , ADJUST SPEED , MONITOR SYSTEM	1 SET
04-01-01155	MEASURE SYSTEM FOR MEASURE ROTOR VIBRATION	1 SET
04-01-01156	OIL & WATER SYSTEM WITH MEASURE & CONTROL APPARATUS FOR BEARING LUBRICATING AND INSPECTING	1 SET
04-01-01157	VENTILATION SYSTEM FOR ROTOR COOLING	1 SET
04-01-01158	HEATING COVER FOR ROTOR SEASONING	1 SET
04-01-01159	LIFT & TRANSPORT FACILITIES - LIFT FACILITIES AND RAILS	1 SET
04-01-01160	CASTING STEEL PLATE FOR INSTALL PEDESTAL & MOTOR	1 SET
04-01-01161	OTHER PARTS	1 SET
04-01-01162	SAW MACHINE	1 SET
04-01-01163	CUT -OFF MACHINE QB11 -6.3 x2000 B, S6.3 B2000MM	1 SET
04-01-01164	VERTICAL DRILL MACHINE Z 535 , DIA 35MM	1 SET
04-01-01165	BENCH DRILL MACHINE H5-36 , DIA 25MM	1 SET
04-01-01166	SHAPER B 60100A , L 1000MM	1 SET
04-01-01167	ARM DRILL MACHINE Z3050 x 16 , DIA 50MM	1 SET
04-01-01168	LATHE C 630, DIA 600 L 1400MM	1 SET
04-01-01169	MILLING MACHINE X62W	1 SET
04-01-01170	LARGE CUT -OFF MACHINE L2000MM , S80MM	1 SET
04-01-01171	SAW MACHINE (WATER FOR MACHINING LUBE)	1 SET
04-01-01172	DIAMOND BAND SAW MACHINE G5720 , S200MM	1 SET
04-01-01173	GRID WHEEL MILLING MACHINE	1 SET
04-01-01174	ENVIRONMENT PROTECTION SYSTEM	1
04-01-01175	3T CRANE	1
04-01-01176	MOULD AND FIXTURE	1
04-01-01177	CUTTING TOOLS	1
04-01-01178	CONSUMABLE MATERIALS	1 LOT
04-01-01179	ISOLATING TRANSFORMER	2
04-01-01180	BOWING MACHINE	2
04-01-01181	SKINING MACHINE	2
04-01-01182	COOLING FORMER	2
04-01-01183	TAPE WINDING MACHINE	1

SECTION D- 37- TURBINE MAINTENANCE WORKSHOP

CODE	ITEM	QTY.
04-01-01184	RADIAL DRILL MACHINE DRILL IN STEEL DIA 50MM	1 SET
04-01-01185	TURNING GEAR AND LUBE OIL SYSTEM	1 SET
04-01-01186	SPEED GOVERING SYSTEM TESTING STAND	1 SET
04-01-01187	HYDRO - TEST STAND	1 SET
04-01-01188	LARGE ASSEMBLY PIT AND PLATE	1 SET
04-01-01189	PARTIAL ASSEMBLY PLATFORM	1 SET
04-01-01190	BRIDGE TYPE CRANE 100T / 20T	1 SET
04-01-01191	BRIDGE TYPE CRANE 50T / 10T	1 SET
04-01-01192	MOTOR DRIVE FLACTOR 63 T	1 SET

04-01-01193	MOTOR DRIVE FLACTOR 25T	1 SET
04-01-01194	HORIZONTAL FLOOR TYPE BORING & MILLING MACHINE WITH ROTATING TABLE & SPECIAL ATTACHMENT HEADS BOARING SINDLE DIA 220 - 260 MM X - 3000MM Y - 6000MM W - 1500MM Z- 1500MM ROTATING TABLE 5000 x 11000 , LOADING CAPACITY 200T	1 SET
04-01-01195	HORIZONTAL FLOOR TYPE BORING & MILLING MACHINE BOARING BAR DIA 200 X - 4000MM Y - 4000MM W -1600MM Z- 2000MM , 80KW	1 SET
04-01-01196	HORIZONTAL FLOOR TYPE BORING & MILLING MACHINE BOARING BAR DIA 160 X - 3000MM Y - 3000MM W -1600MM Z- 1250MM , 55KW	1 SET
04-01-01197	DOUBLE COLUMN VERTICAL LATHE TABLE DIA 8000MM MAX. TURNING HEIGHT ON TABLE 4000MM , WORK PIECE WEIGHT 60 TONS	2 SET
04-01-01198	RADIAL DRIKING MACHINE WITH TRACK TYPE BASE DRILL IN STEEL DIA. 150MM , X- 8000 MM	1 SET
04-01-01199	BRIDGE TYPE CRANE 100T / 20T	1 SET
04-01-01200	BRIDGE TYPE CRANE 50T / 10T	1 SET
04-01-01201	HORIZONTAL LATHE TURNING DIA. 2000 , L - 10000MM ,80TONS	1 SET
04-01-01202	HORIZONTAL LATHE TURNING DIA. 3150 , L - 12000MM , 180 TONS	1 SET
04-01-01203	ROTOR SLOTTING MACHINE TWO HEADS ,22 KW X,U - 6000MM Z,W - 1200MM Y,V - 600MM WORK PIECE WEIGHT - 80 TONS	1 SET
04-01-01204	HORIZONTAL FLOOR TYPE BORING MACHINE BORING BAR DIA. X -2500MM , Y - 2500MM , Z - 1100MM , 35KW	1 SET
04-01-01205	TILTING SAWING MACHINE TABLE 457X508, + 45 DEGREE	1 SET
04-01-01206	VERTICAL BENDING ROLLER	1 SET
04-01-01207	SHROUD RIVETING MACHINE	1 SET
04-01-01208	PIN - HOLE DRILLING MACHINE	1 SET
04-01-01209	ROTOR ASSEMBLY ROLLERS WORK PIECE WEIGHT 80 TONS	1 SET
04-01-01210	OVER SPEED DYNAMIC BALANCE MACHINE 50T	1 SET
04-01-01211	HEAT STABILITY TESTING EQUIPMENT DIA. 2500	1 SET
04-01-01212	LASHING LUG MANUAL ARGON -ARC WELDING MACHINE	1 SET
04-01-01213	BRIDGE TYPE CRANE 75T / 20T	1 SET
04-01-01214	BRIDGE TYPE CRANE 50T / 10T	1 SET
04-01-01215	DOUBLE COLUMN VERTICAL LATHE TABLE DIA.2500MM MAX. TURNING HEIGHT ON TABLE 1600MM	1 SET
04-01-01216	HORIZONTAL TYPE BORING & MILLING MACHINE BORING BAR DIA. 130	1 SET
04-01-01217	WELDING POSITIONER ROTATING TABLE DIA. 2000,3 TONS	1 SET
04-01-01218	WELDING POSITIONER ROTATING TABLE DIA. 4200, 20 TONS	1 SET
04-01-01219	AUTO WELDING MACHINE 500A	1 SET
04-01-01220	ANNEALING FURNACE 5000MM X, 3000MM X, 3000MM X,950 DEGREE	1 SET
04-01-01221	MANUAL WELDING MACHINE 400A	8 SET
04-01-01222	BOLT WELDING MACHINE NELSON	1 SET
04-01-01223	BRIDGE TYPE CRANE 20T	1 SET
04-01-01224	BRIDGE TYPE CRANE 10T	1 SET
04-01-01225	4 SPINDLE 5 AXIS BLADE MILLING MACHINE 5 AXIS MACHINING CENTER WITH SIMULTANEOUSLY DRIVEN HORIZONTAL SPINDLE , X - 1500MM , Y - 400MM , Z - 400MM,	2 SET

	A- ROLLOVER , B - +45 DEGREE , 22KW / PER SPINDLE	
04-01-01226	1 SPINDLE 5 AXIS BLADE MILLING MACHINE	1 SET
04-01-01227	HORIZONTAL MACHINING CENTER TABLE 500 x 500MM,TWO TAIL INDEX - 1 DEGREE X 360 FOR MACHINING IN ALTERNATIVE MODE X- 800MM , Y-650MM , Z -650MM , 30KW	3 SET
04-01-01228	HORIZONTAL MACHINING CENTER TABLE 450 x 450MM,TWO TAIL INDEX - 1 DEGREE X 360 FOR MACHINING IN ALTERNATIVE MODE X- 700MM , Y-550MM , Z -550MM , 25KW	2 SET
04-01-01229	VERTICAL MILLING MACHINE TABLE 2000 x 500, X- 1320MM , Y - 500MM , Z - 600MM	1 SET
04-01-01230	PRECISION SURFACE &PROFILE GRINDING MACHINE FOR ROOT GRINDING WHEEL 400MM X 150MM X 170MM , MAX. X- 1300MM , Y- 550MM , Z- 560MM , 7.5KW	1 SET
04-01-01231	EDM WORKTANK 850MM X500MM X300MM , X- 300MM , Y-250MM , Z-300MM NOMINAL CURRENT 45A	1 SET
04-01-01232	DOUBLE SPINDLE MILLING MACHINE 500x1600	3 SET
04-01-01233	SAND HAND GRINDER	8 SET
04-01-01234	HIGH PRECISION CMM X- 800MM , Y- 600MM , Z- 600MM , WORK PIECE WEIGHT 600KG	1 SET
04-01-01235	PROJECTOR DIA. 1000	1 SET
04-01-01236	FREQUENCY MEASURING MACHINE	1 SET
04-01-01237	BLADE MOMENT MEASURING DEVICE	1 SET
04-01-01238	PT/MT INSTRUMENTATION	1 SET
04-01-01239	UNIVERSAL TOOL GRINDING MACHINE	2 SET
04-01-01240	SPECIAL GRINDING MACHINE D 295x 500	1 SET
04-01-01241	BRIDGE TYPE CRANE 10T	1 SET
04-01-01242	BRIDGE TYPE CRANE 5T	1 SET
04-01-01243	MEDIUM TEMP. VEHICLE TYPE ELECTRIC FURNACE 5M X(4M+4M)X5M 950 DEGREE CENTIGRADE,1500KW ,60TONS	1 SET
04-01-01244	HIGH TEMP. VEHICLE TYPE ELECTRIC FURNACE 2M X4MX1.8M 1200 DEGREE CENTIGRADE,650KW ,15TONS	1 SET
04-01-01245	HIGH TEMP. VEHICLE TYPE ELECTRIC FURNACE 1M X2MX0.6M >1000 DEGREE CENTIGRADE, 100KW ,2TONS	1 SET
04-01-01246	MEDIUM TEMP. VEHICLE TYPE ELECTRIC FURNACE	3 SET
04-01-01247	HIGH TEMP. WELL TYPE FURNACE DIA. 800x3000MM, 1200 DEGREE CENTIGRADE , 100KW 2TONS	1 SET
04-01-01248	MEDIUM TEMP. WELL TYPE FURNACE DIA. 800x3000MM, 950 DEGREE CENTIGRADE , 100KW 2TONS	1 SET
04-01-01249	OIL PRESS 60 TONS	1 SET
04-01-01250	COOLING TOWER	1 SET
04-01-01251	OIL CIRCULATION CONDENSATION SYSTEM	1 SET
04-01-01252	BRIDGE TYPE CRANE 20T / 5T	1 SET
04-01-01253	BRIDGE TYPE CRANE 5T	1 SET
04-01-01254	VERTICAL LATHE TABLE DIA. 2000MM, TURNING TEIGHT 1500 , 22KW , WORKPIECE WEIGHT 6 TONS	1 SET
04-01-01255	HORIZONTAL BORING MACHINE BORING BAR DIA. 100 , X- 1110MM , Y- 850MM , Z- 770MM, 7.5 KW WORK PIECE 2.5 TONS	1 SET
04-01-01256	HORIZONTAL LATHE TURNING DIA. 600 L- 3000MM , 11KW , WORKPIECE WEIGHT 2 TONS	4 SET
04-01-01257	HORIZONTAL MILLING MACHINE 2000 x 500 ,	2 SET
04-01-01258	UNIVERSAL GRINDING MACHINE 200 x 700 , 3KW	1 SET

04-01-01259	SURFACE GRINDING MACHINE TABLE 200x 630	1 SET
04-01-01260	BROACHING MACHINE 320 x DIA. 500	1 SET
04-01-01261	RADIAL DRILLING MACHINE DRILL IN STEEL DIA.63MM	1 SET
04-01-01262	RADIAL DRILLING MACHINE DRILL IN STEEL DIA.50MM	1 SET
04-01-01263	DEEP HOLE DRILLING MACHINE DRILL IN STEEL DIA. 20 x 1000 MM	1 SET
04-01-01264	DEEP HOLE DRILLING MACHINE DRILL IN STEEL DIA. 40 x 2000 MM	1 SET
04-01-01265	DOUBLE HEAD WIRE CUTTING MACHINE TABLE 550MM x 320MM X - 320MM , Y- 250MM	1 SET
04-01-01266	THREAD MACHINING EQUIPMENT INTERNAL THREAD DIA. 120x50 EXTERNAL THREAD DIA. 100 x 80	1 SET
04-01-01267	UNIVERSAL TOOL GRINDING MACHINE	4 SET
04-01-01268	CARBIDE CUTTING TOOL GRINDING MACHINE	1 SET
04-01-01269	SEND WHEEL MACHINE	4 SET
04-01-01270	HORNING MACHINE	1 SET
04-01-01271	HOBGING MACHINE DIA. 800x10 MODULE NUMBER	1 SET
04-01-01272	GEAR GRINDING DIA. 500x10 MODULE NUMBER	1 SET
04-01-01273	GEAR GRINDING MACHINE DIA. 1000x16 MODULE NUMBER	1 SET
04-01-01274	BRIDGE TYPE CRANE 10 TONS	1 SET
04-01-01275	BRIDGE TYPE CRANE 5 TONS	1 SET
04-01-01276	FLAME CUTTING MACHINE 5000 x 12000	1 SET
04-01-01277	PRESS 600T YH 32- 630	1 SET
04-01-01278	BENDING ROLLER 60 x 4200	1 SET
04-01-01279	BENDING ROLLER 20 x 2500	1 SET
04-01-01280	MIG WELDING MACHINE	18 SET
04-01-01281	AUTO WELDING MACHINE	1 SET
04-01-01282	SHEARING MACHINE 12 MM	1 SET
04-01-01283	ANNEALING FURNACE 4000 x 5000	1 SET
04-01-01284	PIPE BENDING MACHINE	1 SET
04-01-01285	SHOT BLASTING ROOM	1 SET
04-01-01286	BRIDGE CRANE 100T / 80T	1 SET
04-01-01287	BRIDGE CRANE 50T / 10T	1 SET
04-01-01288	CENTRIFUGAL POURING MACHINE D610 x 900	1 SET
04-01-01289	TIN CONTAINER D 1.5M x 1.1M	1 NO
04-01-01290	BABBITT MELTING FURNACE 500 x 600	1 SET
04-01-01291	RESISTANCE FURNACE	1 SET
04-01-01292	SPECTROSCOPIC ANALYZER WX- 4A; WKT-6 HARDNESS HRM- 450A ; HBN - 3000 THICKNESS HCC- 16 ; KJ- 200 ; MP- 12	2 FOR EVERY SIZE
04-01-01293	UT , RT, MT, PT, ENDOSCOPE INSPECTION FOR CENTER HOLE O	3 SET
04-01-01294	LEAKAGE TEST FLUORECENT ,WATER , BLACK LIGHT LAMP	2 SET
04-01-01295	HORIZONTAL JOINT GAP MEASURMENT ON CASING GENERAL FEELER GAUGE	2 SET
04-01-01296	HIGH PRECISION THREE COORDINATE MEASURING MACHINE PROJECTOR USED TO CHECK BLADE PMM 866-PA 800 x600x600 1.2 +L / 350UM PMM 966 THREE COORDINATE MEASURING SPACE PRECISION : 1.2 + L/350UM JT 17 DIA. 1200 PROJECTOR PRECISION : 4 + L 50UM	3 SET
04-01-01297	RADIAL RUNOUT INSPECTION OF CENTER BORE OF ROTOR CZW 7504 0.025/0- 9000MM ; 0.05/0 - 18000MM ; 0.10/0- 36000MM CZW 7504 MAPPING & COLLIMATING COLLIMETER	1 SET

04-01-01298	SINGLE BLADE FREQUENCY TEST CF 300 0.5HZ CF 300 FRQUENCE METER	1 SET
04-01-01299	SINGLE BLADE FREQUENCY TEST SD 345 SD 345 FREQUENCE EQUIPMENT	1 SET
04-01-01300	HIGH SPEED DYNAMIC BALANCE AND OVER SPEED TEST < 1.0 GMM/KG 200T HIGH SPEED DYNAMIC BALANCING MACHINE	1 SET
04-01-01301	ALIGN CENTER OF STATIONARY ELEMENTS AND LEVEL FIT OF ADJUSTING LINER AND ACCENTRIC DOWEL PIN 87 - 417 SYNTHETIC GRADIENTER AND OPTICAL ALIGNEMENT INSTRUMENT	1 SET
04-01-01302	THE FLOW PATH AND CLEARANCE SPECIAL FEELER GAUGE	1 SET
04-01-01303	EH SYSTEM , SPECIAL TEST EQUIPMENT	1 SET
04-01-01304	ROTOR DYNAMIC BALANCING MEASURING INSTRUMENT DATA SELECATE INSTRUMENT 20Q- P ADRE SOFTWARE HAND COMPUTER	1 SET 1 SET 1 SET
04-01-01305	GERNAL MEASURING TOOLS	50 NO
04-01-01306	MT DETECTOR / CSQ- 10R AC 0- 10000 A	1 SET
04-01-01307	MT DETECTOR / CEW- 6000 AC 0- 60000 A DC > 28000A	1 SET
04-01-01308	MT DETECTOR /TC - 4000 AC 0- 4000 A DC > 28800 A	1 SET
04-01-01309	MT DETECTOR /CBD- 2000 AC 0 -3000 A DC 0- 2000A	3 SET
04-01-01310	YOKE MT DETECTOR B310 PD LIFTING POWER DC > 18 KG	2 SET
04-01-01311	YOKE MT DETECTOR CEX- A LIFTING POWER AC>4.5KG DC	2 SET
04-01-01312	ULTRAVIOLET LIGHT LAMP/ZB 24 A 250W	2 SET
04-01-01313	X - RAY DETECTOR XXH-300 0-300KV , 0-5MA MAX. PENETRANT THICKNESS FOR IRON - STEEL IS 44MM	1 SET
04-01-01314	X - RAY DETECTOR XX-2515 0-250KV , 0-15MA MAX. PENETRANT THICKNESS FOR IRON - STEEL IS 58MM	2 SET
04-01-01315	Y - RAY DETECTOR I R 192 MAX. PENETRANT THICKNESS FOR IRON - STEEL IS 50 - 100MM	1 SET
04-01-01316	ULTRASONIC DEFECTION DETECTOR USN 52	1 SET
04-01-01317	UTTRACONIC DEFECTION DETECTOR CTS- 32 CTS - 26	3 SET
04-01-01318	ULTRASONIC DEFECTION DETECTOR USD 10	1 SET
04-01-01319	INDUSTRY VIDEO FREQUENCY ENDOSCOPE IV 8 C6 - 75	1 SET
04-01-01320	FILM FLUSHER AND READER WS - V	2 SET
04-01-01321	FILM FLUSHER AND READER NDT - M520	1 SET
04-01-01322	THREAD GUAGE M5- M150	2 FOR EVERY SIZE
04-01-01323	GO-ON-GO GUAGE M5- M150	2 FOR EVERY SIZE
04-01-01324	VARIOUS GUAGE	2 FOR EVERY SIZE
04-01-01325	THREAD MICRO METER 0- 150	2 FOR EVERY SIZE
04-01-01326	NORMAL MICROMETER 0-50	2 FOR EVERY SIZE
04-01-01327	O.D. MICROMETER 0- 500	5 FOR EVERY SIZE
04-01-01328	O.D. MICROMETER 500- 1000	3 FOR EVERY SIZE
04-01-01329	O.D.MICROMETER 1000-2000	2 FOR EVERY SIZE
04-01-01330	L.D.MICROMETER 0-500	5 FOR EVERY SIZE
04-01-01331	L.D.MICROMETER 0-1000	3 FOR EVERY SIZE
04-01-01332	L.D.MICROMETER 0-2000	2 FOR EVERY SIZE
04-01-01333	L.D.MICROMETER 0-4000	2 FOR EVERY SIZE
04-01-01334	TRI- POD MICROMETER 0-4000	2 FOR EVERY SIZE
04-01-01335	VENIER CLIPER 0-125 OR 0- 150	5 FOR EVERY SIZE
04-01-01336	VENIER CLIPER 0-1000	2 FOR EVERY SIZE

04-01-01337	DEPT VENIER CLIPER 0-200 , 0-300	5 FOR EVERY SIZE
04-01-01338	DEPT VENIER CLIPER WITH HOOD 0-500	2 FOR EVERY SIZE
04-01-01339	DEPT MICROMETER 0-300	5 FOR EVERY SIZE
04-01-01340	MULTI -FUNCTION MICROMETER	2 NO
04-01-01341	MAGNETIC METER FRAME	2 NO
04-01-01342	DIAL INDICATOR 0-5 , 0-10	5 FOR EVERY SIZE
04-01-01343	DIAL INDICATOR 0-1	2 FOR EVERY SIZE
04-01-01344	VARIOUS GUAGE (SPECIFIC)	3 FOR EVERY SIZE
04-01-01345	SA GUAGE	2 FOR EVERY SIZE
04-01-01346	ROUGHNESS COMPARTOR	2 FOR EVERY SIZE
04-01-01347	FEELER GUAGE 0 -10	10 NO
04-01-01348	TAPE MEASURE 0- 2000 , 0-5000	5 FOR EVERY SIZE
04-01-01349	STRAIGHTEDGE 0 - 400 , 0- 1000	2 FOR EVERY SIZE
04-01-01350	SPECIFIC STRAIGHTEDGE	2 FOR EVERY SIZE
04-01-01351	LOOP MEASURE 0 -3600	2 FOR EVERY SIZE
04-01-01352	SLIDE ANGLE RULER	2 FOR EVERY SIZE
04-01-01353	SQUARE	2 FOR EVERY SIZE
04-01-01354	PLATE 600 x 900	2 FOR EVERY SIZE
04-01-01355	STEEL STENCIL OF VARIOUS SIZE (LETTERS , FIRURES)	2 FOR EVERY SIZE
04-01-01356	VARIOUS STANDARD R GUAGE	2 FOR EVERY SIZE
04-01-01357	GANTRY TYPE MILLING MACHINE ATTACHMENT HEADS (FOR EX INNSE MACHINE	4
04-01-01358	FLAT TRUCK	1 NO
04-01-01359	FORK LIFT	2 NO
04-01-01360	BATTERY VEHICLE	2 NO
04-01-01361	TOOLING ,CUTTERS ,JIGS AND FIXTURES	2
04-01-01362	HARDNESS METER	4
04-01-01363	THICKNESS METER	3
04-01-01364	MAPPING AND COLLIMATING COLLIMATING COLLIMATORS	1
04-01-01365	FREQUENCY METER	1
04-01-01366	FREQUENCY EQUIPMENT	1
04-01-01367	UNIVERSAL TENSILE TEST	1
04-01-01368	HARDNESS TESTER	3
04-01-01369	SYNTHETIC GRADIENTER AND SPECIAL MEASURING EQUIPMEN	1
04-01-01370	UNIVERSAL TENSILE TESTER	1
04-01-01371	IMPACT TESTER	1
04-01-01372	HARDNESS TESTER	1
04-01-01373	PORTABLE HARDNESS TESTER	1
04-01-01374	HEAT TREATMENT FURNACE FOR SAMPLE	1
04-01-01375	MICROSCOPE WITH CAMERA	1
04-01-01376	ELECTRONIC SCANNING MICROSCOPE WITH ENERGY SPECTRU	1
04-01-01377	MICRO - HARDNESS TESTER	1
04-01-01378	PORTABLE METALLOGRAPHIC TESTER	1
04-01-01379	PHOTOGRAPHIC COPY EQUIPMENT	1
04-01-01380	ATOMIC ABSORPTION SPECTRUM	1
04-01-01381	CARBON SULPHUR MEASURING METER	1
04-01-01382	DIRECT READ SPECTRUM	1
04-01-01383	UV ABSORPTION METER	1
04-01-01384	ELECTRONIC BALANCE	2
04-01-01385	X - FLUORESCENCE SPECTRUM	1
04-01-01386	CARBON & SULPHUR MEASURING METER	1
04-01-01387	HIGH TEMPERATURE FURNACE	2
04-01-01388	ELECTRONIC LIGHT BALANCE	1
04-01-01389	VISIBLE LIGHT SPECTRUM METER	1
04-01-01390	STEEL CLASSIFYING SPECTRUM METER	1

SECTION D- 38 - CENTRAL REPAIR WORKSHOP + A917

CODE	ITEM	UNIT
04-01-01391	LATHE MACHINE SWING OVER CROSS SLIDE 0.5 M DISTANCE BETWEEN CENTRES 3M	1 PCS
04-01-01392	LATHE MACHINE SWING OVER CROSS SLIDE 0.35M DISTANCE BETWEEN CENTRES 1M	1 PCS
04-01-01393	PORTABLE AIR COOLED TIG WELDING MACHINE 5-150D.C,MAXIUM LOAD 4.8KVA AT 35 %	1 SET
04-01-01394	AC.DC WELDER WITH HIGH FREQUENCY AIR COOLED TIG WELDING 300A,24KVA	2 SET
04-01-01395	CENTRIFUGAL CASTING MACHINE FOR CASTING WHITE METAL ON JOURNAL BEARINGS DIA.UP TO 250 MM LENGTH 300 MM	1 SET
04-01-01396	CIRCULAR BAND SAWING MACHINE 300MM DIA.	1 PCS
04-01-01397	DIGITAL PORTABLE HARDNESS TESTER FOR STEEL ALLOYS AND CAST IRON ALLOYS	2 SET
04-01-01398	POCKET SIZE THERMOMETRE - 40 - 550 DEGREE CENTIGRADE.	2 SET
04-01-01399	INSIDE MICROMETRE SET WITH REPLACPLE RODS 0-1000MM GRADUATION 0.001 MM	2 SET
04-01-01400	INTERNAL DIAL CALIPER SET FOR MEASURING INTERNAL BORES GRADUATIONS 0.001 MM , 0-350 MM	1 SET
04-01-01401	GENERAL PURPOSE AIR COOLED TIG TORCH 300 A AC OR DC	4 SET
04-01-01402	ARC WELDING ELECTRODE HOLDER	20 SET
04-01-01403	NON DRYING PRUSSIAN BLUE	SET 100 TUBE
04-01-01404	TURNING TOOL (DIFFERENT SIZES)	500 SET
04-01-01405	CUTTER GES (DIFFERENT SIZES)	160 SET
04-01-01406	CUTTER GEB (DIFFERENT SIZES)	90 SET
04-01-01407	CUTTING DISC Form 271 75 X2.4 X9.5 MM Product BDA24	50 SET
04-01-01408	CUTTING DISC Form271 75X3.2X9.5MM Product BDA34	50 SET
04-01-01409	ALUMINUM OXIDE ABRASIVE BELT 50X1220 MM	300 SET
04-01-01410	SANDING STARS (DIFFERENT DIA)	200 SET
04-01-01411	INTERLEAVED FINISING WHEELS	150 SET
04-01-01412	TOOL HOLDER	9 SET
04-01-01413	CARBIDE RCMX	300 SET
04-01-01414	BORING MACHINE	2 SET
04-01-01415	MULTIPLE LIMIT SWITCH DRG.NO S-E699	3 PCS
04-01-01416	BEARING ,NN4944 DRG.NO S-E0700	3 PCS
04-01-01417	BEARING NUT,AN12 DRG.NO S-E0700	4 PCS
04-01-01418	BEARING WASHR,AW12 DRG.NO S-E0700	5 PCS
04-01-01419	BEARING ,5212 DRG.NO S-E0700	3 PCS
04-01-01420	BEARING 6212 DRG.NO S-E0700	4 PCS
04-01-01421	COUPLING,MTU170 DRG.NO S-E0700	2 PCS
04-01-01422	BEARING,220TAC29 DRG.NO S-E0700	3 PCS
04-01-01423	BEARING, 6940MP6 DRG.NO S-E0700	3 PCS
04-01-01424	LIMIT SWITCH WLCA2-C DRG.NO S-E0705	4 PCS
04-01-01425	BRUSH DRG.NO S-E0705	4 PCS
04-01-01426	BEARING, AZ30711 DRG.NO S-E0705	4 PCS
04-01-01427	AC,MOTOR TOOL CHANGING METER DRG.NO S-E0705	1 PCS
04-01-01428	ELECTROMAGNETIC BREAK EFL-10S DRG.NO S-E0705	2 PCS
04-01-01429	BEARING 7210 B DRG.NO S-E0705	2 PCS
04-01-01430	BEARING , 7211 DRG.NO S-E0705	2 PCS
04-01-01431	ELECTROMAGNETIC CLUTCH EZE-25	2 PCS
04-01-01432	ONE WAY CLUTCH 5W13167 DRG.NO S-E0705	2 PCS

04-01-01433	SOLENOID VALVE	12 PCS
04-01-01434	PUMP S-E0706	1 PCS
04-01-01435	PRESSURE SWITCH S-E0708	2 PCS
04-01-01436	LIMIT SWITCH S-E0709	2 PCS
04-01-01437	BRUSH S-E0710	8 PCS
04-01-01438	ELECTRO MAGNETIC CLUTCH EKE10S S-E0710	2 PCS
04-01-01439	ELECTRO MAGNETIC CLUTCH EZE-16 S-E0711	8 PCS
04-01-01440	SOLENOID VALVE AS-230B S-E0713	4 PCS
04-01-01441	LIMIT SWITCH S-E5335	2 PCS
04-01-01442	BEARING ,6010DD S-E5335	2 PCS
04-01-01443	CLUTCH EZE-5 S-E5337	2 PCS
04-01-01444	CLUTCH EKE-45 S-E5337	4 PCS
04-01-01445	MOTOR,4P-5.5KW(GEAR BOX ASSEMBLY CTF) S-E5337	1 PCS
04-01-01446	BEARING,6004DDNR S-E5338	2 PCS
04-01-01447	CLUTCH S-E5339	2 PCS
04-01-01448	MOTOR S-E5339	1 PCS
04-01-01449	AIR CLEANER S-E5340	2 PCS
04-01-01450	PUMP P-88-3 S-E5343	1 PCS
04-01-01451	DYE PENETRANT SET USED FOR DETECTION OF SURFACE FLAW SUCH AS CRACKS CONSIST OF PENETRANT R-1AF, DEVELOPER R- 1MF	20 SET
04-01-01452	WIRE CUT MACHINE WORKPIECE DIMENSION LENGTH 600MM WIDTH 400MM DEPTH 200 MM	1 SET
04-01-01453	MILLING MACHINE WORKING SURFACE OF THE TABLE 1600 MM x 370 MM COLUMN VERTICAL MOVEMENT 400 MM	1 SET
04-01-01454	HORIZONTAL LATHE SWING DIA . OVER BED 2000 MM DISTANCE BETWEEN CENTERS 5 M WITH HYDRULIC COPYINY ACCESORY	1 SET
04-01-01455	HORIZONTAL PRESS 300TON LENGTH 10M	1 SET
04-01-01456	SUPERJET EUTALLOY DELIVERY SYSTEM +1A - B3 - C5 TIPS + POWDER REFILL CONTAINER	1 PCS
04-01-01457	ROTOTEC 80 DELIVERY SYSTEM + POWDER REFILL CONTAINER + SPARE PARTS	1 SET + 2 PCS + 3 SET
04-01-01458	POWDER TYPE CHRMTEC 19200	27 KG
04-01-01459	POWDER TYPE CORORESIST 19300	27 KG
04-01-01460	POWDER TYPE FRIXTEC 19850	27 KG
04-01-01461	POWDER TYPE DUROTEC 19910	27 KG
04-01-01462	POWDER TYPE XUPER 19800	27 KG
04-01-01463	POWDER TYPE LUBROTEC 19985	27 KG
04-01-01464	POWDER TYPE XUPER ULTRABOND 5100	19 KG
04-01-01465	POWDER TYPE NITEC 10224	54 KG
04-01-01466	POWDER TYPE EUTALLOY 10018	27 KG
04-01-01467	POWDER TYPE CHROMTIC 10680	27 KG
04-01-01468	POWDER TYPE BRONZOCHROM 10185	27 KG
04-01-01469	WHITE METAL POWDER (BABBIT) (IF POSSIBLE TO BE APPLIED EITHER ROTOTEC 80 OR SUPERJET EUTALLOY DELIVERY SYSTEM	54 KG
04-01-01470	THE CLEAN AIR 250 PORTABLE FUME EXTRACTOR	1 SET
04-01-01471	ELECTRIC ARC WELDING RODS FOR ARC WELDING DIA. 3.25MM ESAB TRADE NAME OK 92.78 AWS A5.15 : ENICUB	100 KG
04-01-01472	ELECTRIC ARC WELDING RODS FOR ARC WELDING DIA. 3.25MM ESAB TRADE NAME OK 92.58 AWS A/SFA 5.15 : ENIFE - C1	100 KG
04-01-01473	ELECTRIC ARC WELDING RODS FOR ARC WELDING DIA. 3.25MM ESAB TRADE NAME OK 92.18 AWS A/SFA 5.15 : ENI-C1	100 KG
04-01-01474	ELECTRIC ARC WELDING RODS FOR ARC WELDING DIA. 3.25MM ESAB TRADE NAME OK 63.35 AWS A/SFA 5.4 :E316 L - 15	200 KG

04-01-01475	ELECTRIC ARC WELDING RODS FOR ARC WELDING DIA. 3.25MM ESAB TRADE NAME OK 67.70 AWS A/SFA 5.4 : E 309 MO - 16	200 KG
04-01-01476	ELECTRIC ARC WELDING RODS FOR ARC WELDING DIA. 3.25MM ESAB TRADE NAME OK 48.00 AWS /SFA A5.1 : E 7018	500 KG
04-01-01477	AIR JET CARBON ARC TORCHES (GENERAL PURPOSE MODEL)	1 NO
04-01-01478	TOOL POST GRINDER KIT (EXTERNAL / INTERNAL 220 V 1 PHASE 50 HZ	1 SET
04-01-01479	PNEUMATIC BELT SANDER USING BELT SIZE 2" x 48" FOR USE O LATHES TO GRIND EXTERNAL DIA.	2 SET
04-01-01480	SINGLE STONE DIAMOND DRESSERS FOR WHEELS DIA 24" - 36"	2 SET
04-01-01481	SINGLE STONE DIAMOND DRESSERS FOR WHEELS WIDTH 22"	2 SET

SECTION -D- 39 - LIST OF EQUIPMENT FOR BOILER MAINTENANCE WORK SHOP

CODE.	ITEM	QTY
04-01-01482	STRAIGHT LINE BUTT WELDING MACHINE	1
04-01-01483	DOUBLE LAYER MATERIAL RACK	1
04-01-01484	FORCED TUBE FEEDING DEVICE (DUAL-SPEED)	4
04-01-01485	MATERIAL RACK FOR TUBE FLAW DETECTION	1
04-01-01486	TUBE ROTATING DEVICE	1
04-01-01487	MATERIAL RACK FOR DISCHARGING AND REPAIR	1
04-01-01488	WELD POLISHING MACHINE	1
04-01-01489	POLISHING MACHINE MATERIAL RACK	1
04-01-01490	X - RAY FLAW DETECTION FACILITY AND LEAD ROOM	1
04-01-01491	1600'4 PANEL WELDING MACHINE (SUBMERGED ARC WELDING	1
04-01-01492	PANEL CONVEYING ROLLER	1
04-01-01493	PANELTURNING DEVICE	1
04-01-01494	TUBE FEEDING MATERIAL RACK	1
04-01-01495	DISCHARGING MATERIAL RACK	1
04-01-01496	FLAT BAR SIZING MACHINE	2
04-01-01497	FLAT BAR UNCOILING MACHINE	2
04-01-01498	CROSS REMOVING DEVICE	1
04-01-01499	MOVABLE CHAMFERING MACHINE	6
04-01-01500	WELDING EQUIPMENT (CO2, MANUAL GAS-TUNGSTEN ARC WELDING	
04-01-01501	MACHINE ETC)	20
04-01-01502	SMALL RADIUS SQUEEZING & SIZING MACHINE AND THE SUPPORTING EQUIPMENT	1
04-01-01503	HYDRAULIC BENDING MACHINE	1
04-01-01504	HEADER HANGER ROD THREADING LATHE	1
04-01-01505	STEEL PLATE LEVELING MACHINE	1
04-01-01506	TRIAL ASSEMBLY PLATFORM	1
04-01-01507	RADIAL DRILLING MACHINE	2
04-01-01508	SADDLE - SHAPE CUTTING MACHINE	1
04-01-01509	SADDLE - SHAPE WELDING MACHINE	1
04-01-01510	ASSEMBLING AND WELDING PLATFORM	1
04-01-01511	WELDING POSITIONER	1
04-01-01512	ELECTRIC POWER HEAT TREATMENT	1
04-01-01513	HYDROSTATIC TEST M/ C	1
04-01-01514	ASSEMBLY ROLLER SUPPORT	18
04-01-01515	WELD POSITIONER	2
04-01-01516	MID - SIZE BENDING MACHINE	1
04-01-01517	TUBE SHOT BLASTING LINE	1
04-01-01518	PIPE GAS CUTTING MACHINE	3
04-01-01519	SADDLE - SHAPED LATHE	1
04-01-01520	HORIZONTAL SAWING MACHINE	1
04-01-01521	TUBE END BEVEL MACHINE	1
04-01-01522	SEMIAUTOMATIC CO2 OR SUBMERGED ARC WELDING	2
04-01-01523	PANEL WELDING PLATFORM	1
04-01-01524	TUBE HYDRAULIC TEST STATION	1
04-01-01525	HEADER HYDRAULIC TEST STATION	1

04-01-01526	VERTICAL PANEL BENDING MACHINE	1
04-01-01527	MATERIAL SPECTRUM ANALYSIS INSTRUMENT (PORTABLE)	2
04-01-01528	ULTRASONIC TEST INSTRUMENT	1
04-01-01529	GAS ANALYSIS INSTRUMENT	2
04-01-01530	END MILLING DEVICE	1
04-01-01531	COMPRESSED AIR MACHINE	1
04-01-01532	FEE OF CUTTING TOOLS AND SPECIAL TOOLS FOR NEWLY ADDED EQUIPMENT	1
04-01-01533	PLATE ROLLER	1
04-01-01534	HEAT TREATMENT FURNACE	1
04-01-01535	LINEAR ACCELERATOR	1
04-01-01536	BRIDGE CRANE	1
04-01-01537	ROLLER VEHICLE FOR NDT ROOM	1
04-01-01538	HEAVY ASSEMBLY ROLLER SUPPORT	2
04-01-01539	SUBMERGED ARC WELDING	2
04-01-01540	WELDED NDT SUPPORT	2
04-01-01541	VERTICAL LATHE	1
04-01-01542	BRIDGE CRANE	2
04-01-01543	ELECTRICAL VEHICLE	1
04-01-01544	MANUAL-WELDING MACHINE	20
04-01-01545	BOOSTER BENDING MACHINE	1
04-01-01546	HEADER BEVEL MACHINE	1
04-01-01547	SHAPING MACHINE FOR TUBE END	1
04-01-01548	H STEEL TACK WELDING MACHINE	2
04-01-01549	H STEEL LEVELING MACHINE	1
04-01-01550	STRAIGHT LINE BUTT WELDING MACHINE AND SUPPORT	1
04-01-01551	HEADER RING WELDING MACHINE	1
04-01-01552	COIL TUBE ASSEMBLY SUPPORT	5
04-01-01553	MOVABLE CHAMFERING MACHINE	15
04-01-01554	COIL TUBE ASSEMBLY PLATFORM	2
	<u>LIST OF EQUIPMENT FOR TURBINE & BOILER AUXILIARY MAINTENANCE WORKSHOP</u>	
04-01-01555	TUBE-TO-TUBE SHEET AUTO WELDING MACHINE	2
04-01-01556	MECHANICALLY TUBE EXPANSION MACHINE	2
04-01-01557	FREON LEAK DETECTOR	1
04-01-01558	VACUUM PUMP	1
04-01-01559	CLADDING EQUIPMENT FOR THE TUBESHEET	1
04-01-01560	LOCAL HEAT TREATMENT EQUIPMENT	1
04-01-01561	WELDING EQUIPMENT FOR HEMISPHERICAL HEAD CHANNEL TO	1
04-01-01562	TUBESHEET WELDING	1
04-01-01563	X-RAY INSPECTION EQUIPMENT FOR THICK WALL WELDS	1
04-01-01564	MEASURING INSTRUMENT FOR TUBEHOLE QUALITY	1
04-01-01565	PNEUMATIC GRINDER FOR REMOVAL OF THE TUBE TO TUBESHEET	1
04-01-01566	SPECIAL TOOLING FOR REMOVAL AND ASSEMBLY OF THE MANHOLE COVER	1
04-01-01567	HYDROSTATIC TEST EQUIPMENT	1
04-01-01568	BRIDGE TYPE CRANE	1
04-01-01569	LONG EXPANDER FOR HP	50
04-01-01570	SPARES OF LONG EXPANDER FOR HP	200
04-01-01571	SHORT EXPANDER FOR HP	50
04-01-01572	SPARES OF SHORT EXPANDER FOR HP	200
04-01-01573	EXPANDER FOR LP SLIGHT EXPANDING	45
04-01-01574	SPARES OF EXPANDER FOR LP SLIGHT EXPANDING	225
04-01-01575	EXPANDER FOR LP TIGHT EXPANDING	45
04-01-01576	SPARES OF EXPANDER FOR LP TIGHT EXPANDING	375
04-01-01577	WELDING MACHINE	1
04-01-01578	ROLLING SUPPORTERS	1

LIST OF EQUIPMENT FOR CONTROL SYSTEM MAINTENANCE WOKSHOPE		
04-01-01579	MANUAL POWDER BOOTH	1
04-01-01580	POWDER GUN	1
04-01-01581	POWDER SOLIDIFY BOOTH	1
04-01-01582	CONVEYOR SYSTEM	1
04-01-01583	SPARE PARTS	1
04-01-01584	PRE CLEANER MACHINE	1
04-01-01585	OLDERING MACHINE	1
04-01-01586	DEVELOPING MACHINE	1
04-01-01587	ETCHING MACHINE	1
04-01-01588	STRIPPING MACHINE	1
04-01-01589	SCREEN PRINTING LINE	1
04-01-01590	PLATING THROUGH HOLE (P.T.H) LINE	1
04-01-01591	QUALITY CONTROL INSTRUMENTS	1
04-01-01592	SPARE PARTS	1
04-01-01593	PC COMPUTER :	
04-01-01594	CPU : PIII , RAM : 128MB	
04-01-01595	HD : 4.3GB , MONITOR :17" OR 21"	20
04-01-01596	NOTEBOOK COMPUTER :	
04-01-01597	CPU : PII OR ABOVE	
04-01-01598	RAM : 64MB HD : 2.1 GB	10
04-01-01599	ETHERNET SWITCH	1
04-01-01600	AO PLOTTER	1
04-01-01601	A3 LASER PRINTER	5
04-01-01602	PROJECTOR	1
04-01-01603	OFFICE SOFTWARE: MS OFFICE 97 OR 2000	20
04-01-01604	AUTO CAD SOFTWARE	1
04-01-01605	CABLE ON/ OFF TESTER	1
04-01-01606	OPTICAL CABLE KIT	1
04-01-01607	CABLE TESTER	1
04-01-01608	OPTICAL CABLE TESTER	1
04-01-01609	SIGNAL GENERATOR	1
04-01-01610	MOTOR DRIVE ACTUATOR SIMULATOR	1
04-01-01611	DIGITAL MULTI-METER	10
04-01-01612	MANUAL POWDER BOOTH	1
04-01-01613	POWDER GUN	1
04-01-01614	POWDER SOLIDIFY BOOTH	1
04-01-01615	CONVEYOR SYSTEM	1
04-01-01616	SPARE PARTS	1

SECTION -D- 40 - AIRHEATER REPAIR MAINTENANCE WORKSHOP

CODE	ITEM	QTY.
04-01-01617	HYDRULIC PRESS BRAKES	1 PCS
04-01-01618	HYDRULIC SWING – BEAM SHEARS	1 PCS
04-01-01619	PRECISION LATHES	1 PCS
04-01-01620	SURFACE GRINDING MACHINE	1 PCS
04-01-01621	HYDRAULIC BENDING MACHINE SHEET THICKNESS : 20 MM SHEET WIDTH : 3000 MM	1 PCS
04-01-01622	HYDRAULIC BENDING MACHINE CAPACITY 3000 X 12MM	1 PCS
04-01-01623	HYDRAULIC PROFIL BENDING MACHINE	1 PCS
04-01-01624	HOT LAYER FORMING LINE	1 PCS
04-01-01625	COLD LAYER FORMING LINE	1 PCS
04-01-01626	AUTOMATIC HYDRAULIC TUBE BENDING MACHINE	1 PCS

04-01-01627	SHEET FOLDING	1 PCS
04-01-01628	NIBBLING MACHINE.	1 PCS
04-01-01629	SLOTING MACHIN	1 PCS
04-01-01630	WELDING RECTIFIER CURRENT RANGE :UP TO 400 DCA.	10 PCS
04-01-01631	WELDING RECTIFIER CURRENT RANGE :UP TO 550 DCA.	10 PCS
04-01-01632	SPOT WELDING	1 PCS
04-01-01633	HYDRAULIC PRESS	1 PCS
04-01-01634	CONTINOUS SPOT WELDING	1 PCS
04-01-01635	RECIPROCATING SAW	1 PCS
04-01-01636	PRECISION LATHES	1 PCS
04-01-01637	BAND SAW MACHINE	1 PCS
04-01-01638	PUNCH PRESS (FLY PRESS) CAPACITY 40 TON	2 PCS
04-01-01639	PUNCH PRESS (FLY PRESS) CAPACITY 60 TON	1 PCS
04-01-01640	PUNCH PRESS (FLY PRESS) CAPACITY 100 TON	1 PCS
04-01-01641	TUBE EXPANSION FORMING PRESS	1 PCS
04-01-01642	ARGON WELDING MACHINE	1 PCS
04-01-01643	INERT-GAS WELDING MACHINE	2 PCS
04-01-01644	LONGITUDINAL WELDING MACHINE	1 PCS
04-01-01645	INSULATED FLEXABLE CABLES COPPER CONDUCTER CLASS 2 0.6KV MAX.	10 KM
04-01-01646	3 PHASE NO FUSE CIRCUIT BREAKERS	20 NO
04-01-01647	OXY - GAS TORCHS + HOSE + CYLINDER PRESS REGULATORS	1 SET
04-01-01648	ANGLE GRINDERS	2 SET
04-01-01649	CHAINS BLOCKS VARIOUS CAPACITIES	10 NO
04-01-01650	TER - FOR VARIOUS CAPACITIES	10 NO
04-01-01651	INDUCTION HEAT TREATMENT SET WITH ACCESSORIES FREQUENCY 1150 HZ WITH TEMP. CONTROLLER	2 SET
04-01-01652	40 V - AC 60W LIGHT BULBS WITH 220/40 V AC TRANSFORMERS WITH ADAPTORS	10 NO
04-01-01653	TUBE EXPANDER SET RANGE 18MM TO 25MM .	1 SET
04-01-01654	PIPE EXPANDER SET RANGE 46MM TO 56 MM	1 SET

SECTION -D-41 - TRANSFORMER MAINTENANCE WORK SHOP

CODE	ITEM	QTY
04-01-01655	HYDRAULIC SHEAR CAPACITY UP TO 50 MM THICKNESS MAX . SHEET WIDTH 3000 MM	1 SET
04-01-01656	PUNCHING MAX THICKNESS 10 MM , 30 TON THREAD DEPTH = 1250 – 1500 MM	1 SET
04-01-01657	IN CIRCUIT TESTER * DIGITAL STORAGE OSCILSCOPE. EPROM / ROM VERIFICATION . SELF DOCUMENTING TEST SEQUENCES .	2 SET
04-01-01658	HYDROIC PRESS BRAKE CAPACITY BENDING 15 MM MAX. BENDING HEIGHT 3000 MM .	1 SET
04-01-01659	TESTING STAND FOR NO LOAD SHORT CIRCUIT INDUCED VOLTAGE TESTING	1 SET
04-01-01660	HIGH VOLTAGE LABORATORY	1 SET

04-01-01661	AUTOMATIC LINE FOR INSULATING THE CU AND AL CONDUCTORS CONDUCTOR DIMENSION DIA 1.5 X 8 MM – 20 X 20 MM	2 SET
04-01-01662	COIL DRYING OVEN MAX TEMPERATURE 110 DEGREE CENTIGRADE .	1 SET
04-01-01663	VIG- WELDING EQUIPMENT	1 SET
04-01-01664	DRILLING MACHINE WITH BASE –PLATE AND COOLING INSTALLATION	1 SET
04-01-01665	RADIAL DRILLING MACHINE	1 SET
04-01-01666	COMPACT SHEET METAL WORKING MACHINE FOR PUNCHING PROFILING AND FORMING	1 SET
04-01-01667	PRIMING AND PAINTING PLATFORM IN ANTIEXPLOSIVE CONSTRUCTION WITH LATERAL WALLS	1 SET
04-01-01668	SLITTING LINE FOR ELECTRICAL STEEL STRIP – SHEAR ARBOR DIA 160 MM CUTTER DIAMETER DIA 160 MM IN GOING STRIP WIDTH 1000MM	1 SET
04-01-01669	PACKING OF THE CORES INSTALLATION	1 SET
04-01-01670	SCISSOR FOR CIRCULAR OUT LINE – RING DIA 250 – 3000 MM .	1 SET
04-01-01671	VERTICAL INTERNAL THREADING MACHINE – MAX . INTER . THREAD DIA M20 M30	1 SET
04-01-01672	50 MVA UNIT CONDENSATORS BATTERY 125 MVAR	1 SET
04-01-01673	PANTOGRAF ENMGRAVING MACHINE WORKING SURFACE OF TABLE 200 X 320 MM	1 SET
04-01-01674	MILLING MACHINE FOR WEDGES WITH MILL TURNING 4900 R.P.M	1 SET
04-01-01675	CYLINDER DRYING OVEN . TEMP MAX 90 DEGREE CENTIGRADE	1 SET
04-01-01676	MILLING MACHINE FOR WEDGES	1 SET
04-01-01677	VERTICAL WINDING MACHINE . MAX . LOAD ON SUPPORT PLATE 20 TON .	3 SET
04-01-01678	HORIZONTAL WINDING MACHINE . MAX. COIL DIA 1800 MM .	1 SET
04-01-01679	HYDRAULIC PRESS OF 400 TF FOR TRANSFORMER COILS COIL MAX. SIZE DIA3000 - 5000 MM	1 SET
04-01-01680	TWO GIRDER BRIDGE CRANE S DIFFERENT CAPACITY LIFTING CAPACITY 32 TF OPENING 16 – 5 M .20 , 40 , 30 TONS	4 SET
04-01-01681	TWO GIRDER BRIDGE CRANE LIFTING CAPACITY 320/80 TF OPENING 28 M .	1 SET
04-01-01682	HYDROLIC SHEET BENDING PRESS USEFUL LG OF TABLE 4050 MM	1 SET
04-01-01683	SHEET ROLLING MACHINES SHEET THICKNESS = 30 MM MAX . SHEET WIDTH = 3000 MM AND SHEET THICKNESS = 16MM MAX . SHEET WIDTH = 14000 MM NO . OF ROLLERS = 4	2 SET
04-01-01684	TRANSFORMER LAMINATION	1 SET
	CUT – TO – LENGTH LINE	

	LENGTH 500 – 1000 MM	
	WIDTH 100 – 1050 MM	
04-01-01685	OIL TREATMENT STAND	1 SET
	ADJUSTABLE FLOW 1500 – 4000 L / MIN	
04-01-01686	VACUUM PUMPS 3000 LITER/MIN UP TO 0.05 TORR WITH MECHACNICAL BOOSTER AND VACUUM HOSE	6 NO
04-01-01687	DRYING OVENS 110 +10 DEGREE CENTIGRADE SIZE 12 L X6.5W X 5H METER	2 NO
04-01-01688	OIL JACK (20) TON	10 NO
04-01-01689	OIL PURIFIRE 6000 LITER/H	2 NO
04-01-01690	DRY AIR GENERATOR 2-3 CUBIC METER MIN	2 NO
04-01-01691	DEW POINT METER / RANGE LESS THAN – 30 DEGREE CENTIGRADE	2 NO
04-01-01692	OXYGEN DENSITY METER	2 NO
04-01-01693	MOISTURE TESTER	2 NO
04-01-01694	OIL TESTER	2 NO
04-01-01695	GAS MEASURING DEVICE	2 NO
04-01-01696	PARTIAL DISCHARGE TEST EQUIPMENT	2 NO
04-01-01697	INSULATING PRESS BOARD , PAPER AND CRAPE TAPE OF DIFFERENT SIZES	1000 TON
04-01-01698	TOOLS , MATERIAL AND ACCESSARIES FOR MAINTENANEE AND REPAIR OF POWER TRANSFORMAR	3 SET
04-01-01699	HIGH VOLTAGE TEST EQUIPMENT FOR POWER TRANSFORMAR	3 SET
04-01-01700	400KW KEROSENE VIBOR-PHASE DRYING UNIT ,ORIGINAL ROOM	1 SET
	INCLUDING AUTODARE,VACUUM SYS. KEROSENE SYS.,OIL SYS.,	
	COOLING SYS. AND CONTROL SYS. AND PIPING .	
04-01-01701	ELECTRIC ASSEMBLY PLATFORM BASEMENT LOAD 15T	1 SET
04-01-01702	STORING TANK FOR FILTERED OIL	1 NO
04-01-01703	GEAR OIL PUMP RATED FLOW 38M3 / MIN	1 NO
04-01-01704	GEAR OIL PUMP RATED FLOW 18M3 / MIN	1 NO
04-01-01705	INTERMEDIATE OIL TANK VOLUME 10 T	1 NO
04-01-01706	TAPING MACHINE FOR LOAD THE RAPED LENGTH 13M	1 NO
04-01-01707	BRAZING MACHINE	2 NO
04-01-01708	WASTE OIL COLLECTING PLATE FORM DIMENTION 12 x 6M	1 NO

04-01-01709	GEAR OIL PUMP RATED FLOW 3.3 M3 / H	1 NO
04-01-01710	WASTE OIL STORAGE TANK VOLUME 2.8 M3	1 NO
04-01-01711	OIL HEATING SYSTEM Q= 1200 L/H	1 NO
04-01-01712	COLD PRESSING & WELDING EQUIPMENT	1 NO
04-01-01713	ROTARY PISTON PUMP ULTIMATE VACUUM PRESSURE 1.3PA	2 NO
04-01-01714	CONDENSOR 75 M2	1 NO
04-01-01715	SEPARATOR SINGLE CHAMBER	1 NO
04-01-01716	BUTT WELDER RATED CAPACITY 25 KVA ,SINGLE PHASE ,	2 NO
	PRIMARY VOLTAGE 380 V STEPS OF SECOND WINDING REGULATION 8	
	, THE OFF - LOAD VOLTAGE & SECOND WINDING 1.76 - 3.5 V	
04-01-01717	MANDREL EXPANSION RANGE 1000 - 1500MM NUMBER OF BARS 24 ,	2 NO
	WIDTH OF BAR 100MM ,	
	EFFECTIVE HEIGHT 3100 MM LOAD 7 T	
04-01-01718	MANDREL EXPANSION RANGE 500 - 2000MM NUMBER OF BARS 30	2 NO
	WIDTH OF BAR 100MM ,	
	EFFECTIVE HEIGHT 3100MM LOAD 10 T	
04-01-01719	OVERHEAD CRANE WITH REMOTE CONTROL 32T ,	1 NO
	WITH GERMANY ORIGIN REMOTE CONTROL	
04-01-01720	MOTOR TROLLY LOAD 40 T	1 NO
04-01-01721	ASSEMBLY PLATFORM FOR WINDING	3 NO
04-01-01722	WINDING TILTING MACHINE CARRY WEIGHT 20 T	1 NO
04-01-01723	HOT PRESS THE DIMENSION OF WORKING TABLE 3.2 x 3.2M ,	1 NO
	WORKING TEMPERATURE 160 + DEGREE CENTIGRADE	
04-01-01724	RIBS PRESSING MACHINE	1 NO
04-01-01725	MILLING MACHINE FOR MULTI- RIBS HEIGHT OF WORK TABLE 820MM ,	1 NO
	LENGTH AND WIDTH OF WORKING TABLE 2 x0.5 M	
	MILLING SPEED 100 MM / S	
04-01-01726	CUTTING MACHINE FOR INSULATION PAPER MAX. DE -COILING	1 NO
	DIA 760MM ,NUMBER OF REWINDING SHAFTS 2	

04-01-01727	TAPING MACHINE FOR ELECTROSTATIC TAPING DIA 1 - 3M	1 NO
04-01-01728	BAND SAW SAWING WIDTH x THICKNESS 580 x 230 MM	1 NO
04-01-01729	CRANE WITH REMOTE CONTROL 5 T	1 NO
04-01-01730	BURR REMOVING MACHINE	1 NO
04-01-01731	INSULATOR MANUFACTURE CENTER ,	1 NO
	WORKING TABLE DIMENSION 3x3M ,	
	THE KNIFE CAN BE MOVED TO 16 POSITION	
04-01-01732	AUXILIARY TOOLS	LOTS
04-01-01733	STACKING FIXTURES DIMENSION OF STACKING TABLE 10x4.5 x0.59M ,	1 NO
	CARRY LOAD 150T	
04-01-01734	PUNCH SHEAR DISTANCE FROM MOVING MODULE CENTER TO	1 NO
	BODY 210MM DIMENSION OF WORK TABLE 460x 700MM	
04-01-01735	PLATE MILLING MACHINE DIMENSION OF WORKING TABLE 320 x1000 MM	1 NO
04-01-01736	MOTOR TROLLEY LOAD 63 T	1 NO
04-01-01737	BINDING MACHINE FOR CORE	1 NO
04-01-01738	FLAME PLASMA CUTTING MACHINE LENGTH OF RAIL 16M CUTTING	1 NO
	THICKNESS 4 - 20 MM	
04-01-01739	HYDRAULIC CUTTING MACHINE THICKNESS x WIDTH 16x3100 MM	1 NO
04-01-01740	HYDRAULIC PIPE BENDING MACHINE DIA 25 - 108 MM	1 NO
04-01-01741	CO2 WELDING MACHINE CONTINUE RATIO UNDER RATED LOAD 60%	5 NO
04-01-01742	WELDING TABLE 12 x 6M	3 NO
04-01-01743	SHOT - BOASTING EQUIPMENT 10 x7.5 x5	1 SET
04-01-01744	WATER -ROTATING PAINT BOOTH 12 x 6 x 5 M	1 NO
04-01-01745	MOTOR TROLLEY 40 T	1 NO
04-01-01746	BOLT WELDING MACHINE BOLT DIAMETER 4 - 24 MM ,CURRENT 1450A	1 NO
04-01-01747	LEAKING TESTING AND OTHER EQUIPMENT , TOOLS	1 SET
04-01-01748	GENERATOR SET 15000 KVA , 50 HZ	1 SET
04-01-01749	GENERATOR SET 2000 KVA , 200 HZ	1 SET
04-01-01750	INTERMEDIATE TRANSFORMER 16000 KVA	1 NO
04-01-01751	POWER FREQUENCY TESTING TRANSFORMER 1600 KVA ,2 x400KV 50 HZ	1 NO
04-01-01752	IMPULSE VOLTAGE GENERATOR 2400 KV	1 NO

04-01-01753	OIL TANK FOR TESTING DIA 3M , H 3.5 M	1 NO
04-01-01754	HR SWITCH BOARD	1 NO
04-01-01755	AIR - CUSHION WAGON 300 T	1 NO
04-01-01756	DRYING EQUIPMENT HEATING RESISTANCE -WIRE TO WARPPED	1 SET
	OUTSIDE OIL TANK AND ONE SET OF 1200M3 /MIN VACUUM UNIT	
04-01-01757	OIL CHARGIN EQUIPMENT TREATMENT CAPACITY 1200 M3 / MIN	1 SET
04-01-01758	SPARE PARTS FOR MACHINES AND EQUIPMENTS	SETS
04-01-01759	COPPER INSULATED WIRE AND BUS BARS (MILD HARDNESS TRANSPOSED CONDUCTORS , COMBINATION)	1000 TON
04-01-01760	STEEL SHEET 3 -50 MM THICKNESS	500 TON
04-01-01761	SILICON SHEET DIFFERENT THICKNESS AND TYPES	1000 TON
04-01-01762	POWER TRANSFORMER ACCESSORIES BUSHINGS ,RADIATORS PROTECTION DEVICES, CURRENT TRANSFORMER VOLTAGE , SWITCH OTHERS .	LOTS
04-01-01763	SEAM WELDER MAX. WELDING FORCE 400KG (5KG/CM2) , STROKE OF ELECTRODE FORCE 100MM , AND RATED INPUT 6 x 300KVA	1 NO
04-01-01764	CRANE TRUCK SET FOR 250 TONS CRANE TRUCK AND ACCESSORIES	1 NO
04-01-01765	LOW LOADER OUTDOOR SPECIAL LOW LOADER TO CARRYING HEAVY TRANSFORMER	1 NO
04-01-01766	I - BEAMS AND SANDSWITCH PANNELS DIFFERENT DIMN. AND DIFFERENT SPEC. FOR BUILDINGS	TONS
04-01-01767	COMPUTERS AND SOFTWARE WITH PLOTTERS MODERN AND POWERFULCOMPUTER FOR MULTI PURPOSE	25 NO
04-01-01768	PHOTO COPY AND DEVELOPMENT MACHINE & ACCESSORIES FOR DEVELOPMENT & PRODUCTION DESIGN SKETCHES AND DRAWINGS	10 NO

SECTION -D-42 - CONTROL SYSTEM MAINTENANCE WORK SHOP

CODE	ITEM	QTY.
04-01-01769	SURFACE CLEANING MACHINE FOR PRINTED CIRCUIT BOARD	1 SET
04-01-01770	PERSONAL COMPUTERS MAY BE INDUSTRIAL TYPE WITH FULL OPTIONS 9HD,FDD,CD DRIVE) WITH SOFTWARE SUPPORT OF FAMOUS	1 SET
04-01-01771	DEDICATED TEST AND CALIBRATION EQUIPMENT WHICH ENABL TESTING ANY ASSEMBLED ELECTRONIC BOARD THROUGHTY	1 SET
04-01-01772	COMPLETE DEVELOPMENT STAND ALONE SYS. WHICH SUPPOR CONTROLLER FAMILLES (STANDARD) AND EPROMS	1 SET
04-01-01773	COMPUTER ASSISTED SIMULATION WHICH SIMULATE AS CLOSL AS POSSIBLE REAL INDUSTRIAL SATUATIONS	1 SET
04-01-01774	SPECIAL FAMILIES OF ICS SUCH AS FPGA S EPLEDS OF E.G.XILII COMPLETE WITH ALL HARDWARE AND SOFTWARE TOOL TO DESIGN . IMPLEMENT ,MODIFY , SIMULATE DIFFERENT CIRCUITS.	1 SET
04-01-01775	MANUAL POWDER PLANT *3100 MM LONG * 1700 MM WIDE *2200MM HEIGHT	1 SET
04-01-01776	SEMI AUTOMATIC LINE FOR COMPONENT INSERSON AND SOLD	1 SET

	OF PRINTED CIRCUIT BOARD	
04-01-01777	DEDICATED TEST AND CALIBRATION EQUIPMENT WHICH ENABL CALLIBRATE DIFFERENT TYPE OF FIELD INSTRUMENT .	1 SET
04-01-01778	PRINTED CIRCUIT BOARD DRILLING MACHINE DOUBLE SPLINDLE	1 SET
04-01-01779	ELECTRICAL COMPONENTS AND EQUIPMENTS USED FOR REHA OF ELECTRICAL SWITCH GEARS .	SETS
04-01-01780	ELECTRICAL COMPONENTS AND EQUIPMENTS USED FOR REHA OF LOW TENSION ELECTRICAL BOARDS .	SETS
04-01-01781	ELECTRICAL COMPONENTS AND DEVICES USED FOR REHABULU OF AUTOMATIC CONTROL SYSTEM OF POWER STATIONS .	SETS
04-01-01782	GENERAL USE COMPONENTS (WIRES , TERMINALS AND OTHER ACCESSORIES USED FOR REHABULATION OF CONTROL PANELS	SETS
04-01-01783	PC COMPUTER WITH ACCESSORIES	20 SET
04-01-01784	NOTEBOOK COMPUTER	10 SET
04-01-01785	ETHERNET SWITCH	1 SET
04-01-01786	ETHERNET CABLE ON / OFF TESTER	2 SET
04-01-01787	OPTICAL CABLE KIT	1 SET
04-01-01788	SINGLE GENERATOR AND TEST EQUIPMENTS	SETS
04-01-01789	COMPLETE PRODUCTION LINE FOR PRINTED CIRCUIT BOARD	1 SET

SECTION -D- 43- GAS PIPES & ACCESSORIES

CODE	ITEM	QTY.
04-01-01790	N.D 36 INCH , MATERIALS API 5L-X60 , WALL THICKNESS 12.7MM , END CONDITIONS BEVELLED , OUTSIDE SURFACE COATED	78 KM
04-01-01791	N.D 36 INCH , MATERIALS API 5L-GR.B , WALL THICKNESS 7.92MM , END CONDITIONS BEVELLED , OUTSIDE SURFACE COATED	2 KM
04-01-01792	N.D 36 INCH , MATERIALS API 5L-X60 , WALL THICKNESS 14.3MM , END CONDITIONS BEVELLED , OUTSIDE SURFACE COATED	800 KM

SECTION -D- 44- RAW MATERIALS FOR THE FOLLOWING OIL PIPES & ACCESSORIE

CODE	ITEM	QTY.
04-01-01793	MATERIALS API-5L-X60 SIZE DIA+ WALL THICKNESS 20X0.344 INCH , 508X8.74MM , END CONDITIONS BEVELLED , CONDITION COATED .	133 KM 16600 TON
04-01-01794	MATERIALS API-5L-X60 SIZE DIA+ WALL THICKNESS 20X0.406 INCH , 508X10.31MM , END CONDITIONS BEVELLED .	5 KM 740 TON
04-01-01795	MATERIALS API-5L-GR.B SIZE DIA+ WALL THICKNESS 24X0.312 INCH , 609X7.92MM , END CONDITIONS PLAIN , CONDITION BARE.	2 KM 275 TON
04-01-01796	MATERIALS API-5L-X60 SIZE DIA+ WALL THICKNESS 18X0.344 INCH , 457X8.74MM , END CONDITIONS BEVELLED , CONDITION COATED.	88 KM 9900 TON
04-01-01797	MATERIALS API-5L-X60 SIZE DIA+ WALL THICKNESS 18X0.375 INCH , 457X9.52MM , END CONDITIONS BEVELLED , CONDITION COATED.	5 KM 920 TON
04-01-01798	MATERIALS API-5L-GR.B	

	SIZE DIA+ WALL THICKNESS 22X0.312 INCH , 558X7092MM , END CONDITIONS PLAIN , CONDITION BARE.	2 KM 250 TON
04-01-01799	HEAT SHRINKABLE SLEEVES , SIZE 20 INCH.	12000 PCS
04-01-01800	HEAT SHRINKABLE SLEEVES , SIZE 18 B1185 INCH.	7000 PCS
04-01-01801	CROSSING MATERIALS SIZE 24X20 INCH.	500 PCS
04-01-01802	CROSSING MATERIALS SIZE 22X18 INCH.	300 PCS
04-01-01803	ELASTIC NEOPRENE AND SEALS SIZE 18X22 INCH	60 PCS
04-01-01804	ELASTIC NEOPRENE AND SEALS SIZE 20X24 INCH	40 PCS

SECTION -E- 45- DISTRIBUTION NETWORK

CODE	ITEM	QTY.
04-01-01805	CABLE XLPE 3X150 11 KV	710 KM
04-01-01806	CABLE XLPE 3X150 33 KV	440 KM
04-01-01807	CABLE XLPE 1X400 33 KV	800 KM
04-01-01808	STRAIGHT JOINT 1X400MM2 33 KV (OUTDOOR)	4000 SET
04-01-01809	TERMINATION 1X400MM2 33 KV (OUTDOOR)	1150 SET
04-01-01810	STRAIGHT JOINT 3X150MM2 33KV	1450 SET
04-01-01811	TERMINATION JOINT 3X150 MM2 33KV (OUTDOOR)	950 SET
04-01-01812	TERMINATION 3X50 MM2 11 KV (INDOOR + OUTDOOR)	1000 SET
04-01-01813	STRAIGHT JOINT 400 VOLT 3X240+120	200 SET
04-01-01814	STRAIGHT JOINT 3X150MM2 11KV	2800 SET
04-01-01815	STRAIGHT JOINT 400VOLT 3X120+70	500 SET
04-01-01816	STRAIGHT JOINT 400VOLT 3X150+70	500 SET
04-01-01817	STRAIGHT JOINT 400VOLT 3X95+50	300 SET
04-01-01818	STRAIGHT JOINT 400VOLT 3X70+35	200 SET
04-01-01819	STRAIGHT JOINT 400VOLT 4X16 & 1X150	1000 PCS
04-01-01820	CUT -OUT FUSE 11& 33 KV WITH THE FUSES	23000 SET
04-01-01821	ELEMENT FUSE 20-40&60 AMP.	150000 PCS
04-01-01822	(ON - LOAD) LINE ISOLATOR 11KV &33KV	1430 PCS
04-01-01823	PORCELAIN PIN TYPE INSULATORS WITH GALVANIZED STEEL SPINDLE 33 KV LONG TYPE	16000 PCS
04-01-01824	PORCELAIN PIN TYPE INSULATORS WITH GALVANIZED STEEL SPINDLE 11 KV LONG TYPE	18500 PCS
04-01-01825	DISC INSULATORS FOR 11KV	65000 PCS
04-01-01826	DISC INSULATORS FOR 11KV - SOCKET EYE	51500 PCS
04-01-01827	DISC INSULATORS FOR 11KV - SUSPENSION CLAMP FOR 120/20&210/35	50000 PCS
04-01-01828	TENSION CLAMP FOR DISC INSULATORS FOR 11KV - 120/20&210/35	35000 PCS
04-01-01829	DISC INSULATORS FOR 11KV – BALL EYE	45000 PCS
04-01-01830	SHACKLE INSULATORS WITH D - IRON &2 BOLTS	120000 PCS
04-01-01831	L.T SWITCH BOARD FOR TR 250 & 400 KVA (OUTDOOR)	21000 PCS
04-01-01832	L.T SWITCH BOARD FOR TR 400 ,630&1000 KVA (INDOOR) WITH CAPACITORS	1100 PCS
04-01-01833	11/0.4 KV DIST . TRANSFORMERS 100 –250 –400 –630 & 1000 KVA WITH SPARE PARTS	16000 PCS
04-01-01834	33 / 0.4 KV DIST . TRANSFORMERS 250 ,400 ,630 & 1000 KVA WITH SPARE PARTS	110 PCS
04-01-01835	ACSR-BARE WIRE : 210/35 MM2	4900 KM
04-01-01836	ACSR-BARE WIRE : 120/20MM2	13500 KM
04-01-01837	AAC-BARE WIRE : 95MM2	7000 KM
04-01-01838	AAC-BARE WIRE : 70MM2	11000 KM
04-01-01839	AAC-BARE WIRE : 50MM2	9500 KM
04-01-01840	AAC-BARE WIRE : 35MM2	3350 KM
04-01-01841	KWH -METERS (1PH) 40 AMP	55000 PCS

04-01-01842	KWH- METERS (3PH) 3(20-60)AMP	60000 PCS
04-01-01843	400 VOLT TWISTED CABLES 3X70+50+16, 3X95+50+16 & 3X120+70+16	3800 KM
04-01-01844	ACCESSORIES FOR TWISTED CABLE	1630000 PCS
04-01-01845	LAMPS -125W -160W-250W&400W MERCURY	130000 PCS
04-01-01846	LAMPS 150W- 250W & 400 W SODIUM	30000 PCS
04-01-01847	LANTERNS FOR LAMPS -125W -160W- 250W&400W MERCURY	30000 PCS
04-01-01848	LANTERNS FOR LAMPS150W- 250W & 400 W SODIUM	21000 PCS
04-01-01849	CHOKES FOR LANTERNS FOR LAMPS 125 & 400W MERCURY	10000 PCS
04-01-01850	CHOKES FOR LANTERNS FOR LAMPS(150W, 250W & 400W) SODIUM	10000 PCS
04-01-01851	IGNITOR FOR LAMPS 400W SODIUM	10000 PCS
04-01-01852	PHOTO ELECTRICAL CELL	2500 PCS
04-01-01853	CONTROL POLE MOUNTED : SINGLE PHASE 230V , 80 AMP & THREE PHASE 400V , 100AMP	5500 PCS
04-01-01854	FLOOD LIGTH SYSTEM WITH SPARE PARTS	20 PCS
04-01-01855	SINGLE POLE MCB 100 & 80 AMP 220 VAC 50HZ	2000 PCS
04-01-01856	1POLE CONTACTOR AC3 RATNG :80&100 AMP COIL 220/240 VAC 50HZ	2000 PCS
04-01-01857	3 POLE MCB 80 AMP 380 VAC 50HZ	2000 PCS
04-01-01858	3POLE CONTACTOR AC3 RATING 80 AMP COIL VAC 50HZ	1500 PCS
04-01-01859	33 / 11 KV SUBSTATION (2X31.5 , 2X10 &2X16) MVA WITH TRANSFORMERS & SPARE PARTS	54 NO.
04-01-01860	33 / 11KV SUB STATION (2X10&2X16) MVA WITH SPARE PARTS & WITH OUT TRANSFORMERS	23 NO.
04-01-01861	33 / 11KV MOBILE SUBSTATION (1X10 & 1X16) MVA WITH RECOMMENDED SPARE PARTS	4 PCS
04-01-01862	11 / 0.4 KIOSK SUBSTATION 400-1000 KVA WITH TRANSFORMER AND SPARE PARTS	200 PCS
04-01-01863	DIESEL GENERATORS (7.5-2500KVA) WITH RECOMMENDED SPARE PARTS AND SPECIAL TOOLS	100 PCS
04-01-01864	KWH METER WITH M.D.3X30-90A , 400V-3X50-150A ,400V-3X400/5C.T. , 400V-3X600/5 ,400V-3X1000/ 5 , 400V-3X1600/5,400V & 300/5 (110V) WITH C.T. (M.D.)	17000 PCS
04-01-01865	SPARE PARTS FOR KWH METER TYPE 400/5,600/5,1000/5 &1600/5	20000 PCS
04-01-01866	VHF COMMUNICATION EQUIPMENT FIXED WITH ACCESSORIES AND SPARE PARTS	265 PCS
04-01-01867	VHF COMMUNICATION EQUIPMENT MOBILE WITH ACCESSORIES AND SPARE PARTS	1310 PCS
04-01-01868	COAXIAL CABLE	30000 M.
04-01-01869	SWITCHING EQUIPMENT	30 PCS
04-01-01870	UHF COMMUNIAION EQUIPMEN T(P-P) & (PMP) WITH ACCESSORIES & SPARE PARTES	94 PCS
04-01-01871	TEST EQUIPMENT FOR COMMUNICATION SYSTEM	97 PCS
04-01-01872	POWER LINE CARRIER COMMUNICATION EQUIPMENT	370 SET
04-01-01873	BATTERY CHARGER 48 V .D.C.	300 PCS
04-01-01874	CASH MACHINE	340 PCS
04-01-01875	COMPUTERS AND PRINTERS	350 PCS
04-01-01876	COMPUTERS WITH UPS SYSTEM WITH SPARE PARTS	350 PCS
04-01-01877	PRINTERS WITH SPARE PARTS	320 PCS
04-01-01878	SCANNER	45 PCS
04-01-01879	SPARE PARTS FOR DEC PDP 11/44 COMPUTERS	518 PCS
04-01-01880	PILOTE CABLE 52* 0.9 MM	285 KM
04-01-01881	FUEL TANKER WITH RECOMMENDED SPARE PARTS	8 NO.
04-01-01882	SINGLE POLEMINIATURE CIRCUIT BREAKER 20A, 40A, 60A, 400V	140000 PCS
04-01-01883	CABLE TESTING VAN	12 NO.

04-01-01884	CRANE (40 & 80 TON) WITH RECOMMENDED SPARE PARTS	16 NO.
04-01-01885	BEAMLIFTER TRUCKS (17M, 15 M & 22M) WITH RECOMMENDED SPARE PARTES	65 NO.
04-01-01886	S/S TESTING VAN	6 NO.
04-01-01887	TRUCK WITH LIFTER FOR TRANSFORMERS WITH RECOMMENDED SPARE	100 NO.
04-01-01888	TRAILER WITH LIFTER WITH RECOMMENDED SPARE PARTS.	44 NO.
04-01-01889	EXCAVATION EQUIPMENT WITH RECOMMENDED SPARE PARTS	16 NO.
04-01-01890	EARTH AUGER WITH RECOMMENDED PARE PARTS	40 NO.
04-01-01891	SHOVELS (WHEEL LOADER) WITH RECOMMENDED PARE PARTS	6 NO.
04-01-01892	MOULTED CASE C.B. TEST SET	2 NO.
04-01-01893	DUMPER TRUCK WITH RECOMMENDED PARE PARTS	16 NO.
04-01-01894	MOBILE CRASHER WITH RECOMMENDED SPARE PARTS	7 NO.
04-01-01895	CARS , STATION WAGON ,PICK-UP & MOTOR CYCLE WITH RECOMMENDED SPARE PARTS.	1350 NO.
04-01-01896	LORRIES (3 , 10 &16 TON) WITH RECOMMENDED SPARE PARTS	230 NO.
04-01-01897	LOWLOADER (60 & 90 TON) WITH RECOMMENDED SPARE PARTS	8 NO.
04-01-01898	FORKLIFT (5 &15 TON) WITH RECOMMENDED SPARE PARTS	140 NO.
04-01-01899	WATER &FUEL TANKER 16000-20000 LITTER WITH RECOMMENDED SPARE PARTS	20 NO.
04-01-01900	RECOVERY TRUCK WITH RECOMMENDED SPARE PARTS	10 NO.
04-01-01901	TOW CAR FOR SHIFITING OF DAMAGED VEHICLES WITH RECOMMENDED SPARE PARTS	8 NO.
04-01-01902	MINI BUSES (11&16 PERSONS) WITH RECOMMENDED SPARE PARTS	158 NO.
04-01-01903	BUS FOR TRANSPORTATION (40 PERSONS) WITH RECOMMENDED SPARE PARTS	35 NO.
04-01-01904	PORTABLE AIR COMPRESSOR	20 NO.
04-01-01905	DUMPER (1M 3) WITH RECOMMENDED SPARE PARTS	26 NO.
04-01-01906	Personnel lifts with recommended spare parts	43 NO.
04-01-01907	CONCRETE MIXER CAR WITH RECOMMENDED SPARE PARTS	14 NO.
04-01-01908	TOOLS & EQUIPMENT FOR MAINTENANCE VEHICLE & TRUCKS	10000 NO.
04-01-01909	FIRE FIGHTING VEHICLE WITH RECOMMENDED SPARE PARTS	15 NO.
04-01-01910	JACKING MACHINE WITH RECOMMENDED SPARE PARTS	20 NO.
04-01-01911	JACK HAMMER	50 NO.
04-01-01912	REEL DRUM TRAILER FOR CABEL WITH RECOMMENDED SPARE PARTS	40 NO.
04-01-01913	TRAILER 40 TONS WITH RECOMMENDED SPARE PARTS	24 NO.
04-01-01914	LOWLOADER FOR TRANSFORMER 80 TON WITH RECOMMENDED SPARE PARTS	4 NO.
04-01-01915	MAILAR TRUCK	12 NO.
04-01-01916	SMI – TRAILER (10- 40 TON)WITH LIFTER 15 TON & SPARE PART	20 NO.
04-01-01917	MOBILE WORKSHOP FOR MAINTENANCE VEHICLE WITH RECOMMENDED SPARE PARTS	15 NO.
04-01-01918	MOBILE WORKSHOP TESTING VAN FOR S/S WITH RECOMMENDED SPARE PARTS	7 NO
04-01-01919	TIRES TYPES 12R 22.5-16PR, 165/80R13,185/80 R14, 700-12-12PR,6.00-R14-8PR,7.50-16-14PR,19.5 170 R14, 8.25-15-14PR,8.25-16-14PR,12.00 R24-18PR &225 / 60R15	11450 NO.
04-01-01920	MOULDED CASE C.B. TEST SET	10 PCS
04-01-01921	OUTDOOR 33KV C.B. 630A VACUUM OR SF6	20 PCS

04-01-01922	33 KV C.B. INCOMING & OUTGOING 1250A SF6 OR VACUUM(INDOOR)	120 SET
04-01-01923	AUTO RECLOSER 11KV 20KA SF6	80 PCS
04-01-01924	PHASE SEQUENCE 11KV	10 PCS
04-01-01925	VACUUM CHEKER 12KV- 28KV WITH INDICATOR OF LEAKAGE CURRENT (MA)	20 PCS
04-01-01926	SPARE PARTS FOR MEIDENSHA S/S :- C.B. 11KV 630A , 1250A 25KA VACUUM (JAPAN S/S)	40 PCS
04-01-01927	VACCUM C.B. 36KV , 630A , 25KA	5 PCS
04-01-01928	VACCUM C.B. (VE-14) 12KV , 2000A , 25KA	4 PCS
04-01-01929	VACCUM INTERRAPTER FOR VGB 630A 12KV,25KA	40 PCS
04-01-01930	TRIPPING COIL FOR VGB 110 VDC	10 PCS
04-01-01931	CLOSING SPRING LEVER	14 PCS
04-01-01932	CURRENT TRANSFORMER 36KV 200- 400/5/5A (JAPAN S/S)	13 PCS
04-01-01933	CURRENT TRANSFORMER 36KV 100- 400/5/5A (JAPAN S/S)	13 PCS
04-01-01934	BUSHING TYPE CURRENT TRANSFORMER 12KV 1800/5/5A	5 PCS
04-01-01935	BUSHING TYPE CURRENT TRANSFORMER 12KV 300/5/5A	16 PCS
04-01-01936	VOLTAGE TRANSFORMER 33KV/ $\sqrt{3}$ /110V/ $\sqrt{3}$ 200VA (JAPAN S/	12 PCS
04-01-01937	VOLTAGE TRANSFORMER 11KV/ $\sqrt{3}$ /110V/ $\sqrt{3}$ 1107 200 A (JAPA	31 PCS
04-01-01938	AMMETER WITH MAX. DEMAND (0-300A)	9 PCS
04-01-01939	VOLTMETER 0-45KV	7 PCS
04-01-01940	VOLTMETER 0-15KV	9 PCS
04-01-01941	UNDER FREQUENCY RELAY 110,46-50HZ	17 PCS
04-01-01942	OVER CURRENT GROUND RELAY 1-4A (TIME LAG) INSTANT 5-	7 PCS
04-01-01943	BÜCHHOLZ RELAY	4 PCS
04-01-01944	LAMP FOR BSL (ACN-8811)& BSL (ABN-111)18V,2W	800 PCS
04-01-01945	BUZZER 110VDC	15 PCS
04-01-01946	BELL 110 VDC	22 PCS
04-01-01947	RECTIFIER SYSTEM UNIT FOR BATTERY CHARGER 150VD ,C ,	11 PCS
04-01-01948	THYRISTOR 800V , 20A	10 PCS
04-01-01949	PILOT LAMP (WHITE) 220V AC (18V,2W)	300 PCS
04-01-01950	DITTO (RED)	220 PCS
04-01-01951	CLOSING HOOK	7 PCS
04-01-01952	POTENTIAL TESTER LAMP WITH ACCESSORIES	175 PCS
04-01-01953	CABLE JOINTING TOOLS	82 PCS
04-01-01954	O.H.L TOOLS	10700 SET
04-01-01955	AIR CONDITION (2 TON) WINDOW TYPE AND SPLIT	5200 PCS
04-01-01956	CABLE TERMINALS(10-16-25-35-50-70-95-120-150-185&200MM2)	70000 PCS
04-01-01957	RING MAIN UNIT 11KV	50 NO.
04-01-01958	RING MAIN UNIT TYPE EXTENSIBLE 11KV WITH SPARE PARTS	180 NO.
04-01-01959	33/11KV POWER TRANSFORMERS 10,16 &31.5 MVA WITH	43 PCS
04-01-01960	LATTICE STEEL POLES 9 & 11M	16500 PCS
04-01-01961	IBEAM STEEL 140X66X8.6X5.7 MM LENGTH 9M (IPN) ST.52	1000 TON
04-01-01962	IBEAM STEEL 140X66X8.6X5.7MM LENGTH 11M (IPN) ST.52	1000 TON
04-01-01963	STEEL ANGLE 30 X 30 X3 MM	100 TON
04-01-01964	PLATE THICKNESS 6 MM X75 MM	30 TON
04-01-01965	TUBLER STEEL POLES 9&11 M	43500 PCS
04-01-01966	STEEL PIPES SIZE 2.8M X 114 X 4.5MM ST. 52 FOR 11 M	350 TON
04-01-01967	STEEL PIPES SIZE 3.35M X 139MMX 4.5MM ST.52 FOR 11 M	500 TON
04-01-01968	STEEL PIPES SIZE 5.5M X 165MM X 4.5MM ST.52 FOR 11 M	980 TON
04-01-01969	STEEL PIPES SIZE 2.3M X 89MM X 3.3MM ST. 52 FOR 9 M	156 TON
04-01-01970	STEEL PIPES SIZE 2.65M X 114MM X 3.6MM ST.52 FOR 9M	260 TON
04-01-01971	STEEL PIPES SIZE 4.7M X 139MM X 4.5MM ST.52 FOR 9M LENGTH	705 TON

04-01-01972	SINGLE CIRCUIT LONG SPAN STEEL TOWERS TYPE (S, S+3, S-3, T, T+3, T-3, H, H+3, H-3, S2, A2, L-3)	3000 PCS
04-01-01973	DOUBLE CIRCUIT MEDIUM SPAN STEEL TOWERS TYPE (2S, 2SC, 2TC, 2H, 2HC, 2SRC, 2AT)	1500 PCS
04-01-01974	STREET LIGHTING POLES 10 & 12M	5200 SET
04-01-01975	LIGHTNING ARRESTERS 11 & 33 KV	11500 SET
04-01-01976	SPARE PARTS FOR FRENCH S/S :-CIRCUIT BREAKER 12KV, 630A, 25KA, FG2, SF6	50 PCS
04-01-01977	CIRCUIT BREAKER 12KV, 2000A, 25KA, LF3, SF6	11 PCS
04-01-01978	BREATHING FOR MAIN TANK FOR 5, 10, & 31.5 MVA	15 PCS
04-01-01979	BUCHOLZ RELAY FOR TRANSFORMER 31.5MVA ALAM -80	5 PCS
04-01-01980	GASKET FOR TRANSFORMER 5MVA	5 PCS
04-01-01981	WINDING TEMPERATURE INDICATOR FOR POWER TRANSFORMER 5, 10 & 31.5 MVA	4 PCS
04-01-01982	OIL TEMPERATURE INDICATOR FOR POWER TRANSFORMER 5, 10 & 31.5 MVA	5 PCS
04-01-01983	MOTOR FOR TAP CHANGER	14 PCS
04-01-01984	SHOCK ABSORBER	310 PCS
04-01-01985	UNDER VOLTAGE RELEASE 110/120 VDC	17 PCS
04-01-01986	DISCONNECTING CONTACT FINGERS FG2 630A	20 PCS
04-01-01987	DISCONNECTING CONTACT FINGERS FG2 1250A	14 PCS
04-01-01988	DISCONNECTING CONTACT FINGERS FG2 2000A	7 PCS
04-01-01989	EARTHING RESISTOR TYPE HENNEQUIN 300A 35/H COMPLETE	30 PCS
04-01-01990	INVERSE TIME DIRECTIONAL OVER CURRENT TYPE ITD 7211 OR EQUIVALENT (SEPA)	2 PCS
04-01-01991	V.T RELAY INDEPENDENT TIME OVER VOLTAGE TYPE ITG 7114 OR EQUIVALENT	2 PCS
04-01-01992	EARTH FAULT RELAY TYPE ITG 7113 OR EQUIVALENT	2 PCS
04-01-01993	DIFFERENTIAL PROTECTION RELAY HHTA4 OR EQUIVALENT	2 PCS
04-01-01994	OVER CURRENT AND EARTH FAULT RELAY CDG 31 2X51+51N OR EQUIVALENT	3 PCS
04-01-01995	LAMPS 100W 110V	350 PCS
04-01-01996	L.V BULBS E14 TYPE 101-0172 60V .5W	500 PCS
04-01-01997	VOLTMETER SELECTOR SWITCH REF 25644153	10 PCS
04-01-01998	LATCHING MECHANISM REF 9011400C1	45 PCS
04-01-01999	POLE OF C.B 12KV, 630A, 25K, FG2, SF6	12 PCS
04-01-02000	11 KV CURRENT TRANSFORMER 150-300/5/5 TCF 200A	13 PCS
04-01-02001	11 KV CURRENT TRANSFORMER 300-600/5/5 TCF 200A	10 PCS
04-01-02002	11 KV V.T 11000/ 110 /3 /110 TYPE RTF 200F	32 PCS
04-01-02003	ELECTRONIC CARDS OF CORO DEL CHARGER TYPE SCE 270A	5 PCS
04-01-02004	ELECTRONIC CARDS OF CORO DEL CHARGER TYPE SCE 270C	5 PCS
04-01-02005	BATTERY 110V NICKLE-CADMIUM 60,80 & 110AH CHLORIDE OR SAFTALKLINE (SET)	35 SET
04-01-02006	FUSE FOR VOLTAGE TRANSFORMER 0.5A	390 PCS
04-01-02007	FLAG RELAY 110V D.C (FIR) DROP OUT FLAG RELAY 110V D.C (FIR) DROP OUT	25 PCS
04-01-02008	FLAG RELAY 110V D.C (FIR) PIK UP	25 PCS
04-01-02009	CIRCUIT BREAKER 12KV, 2000A, 25KA, LF3, SF6	2 PCS
04-01-02010	TRIPPING AND CLOSING COIL (887191)	80 PCS
04-01-02011	UNDER FREQUENCY RELAY (TYPE HTG 7012)	5 PCS
04-01-02012	ELECTRONIC TIME DELAY RELAY (TYPE 245.TE 110V D.C. 0.2 TO 180 SEC)	8 PCS
04-01-02013	AUX. RELAY 110V D.C. (TYPE 259-49)	10 PCS
04-01-02014	AUX. RELAY 110/ 3 (TYPE 245-481)	10 PCS
04-01-02015	L.V. CIRCUIT BREAKER 3-POLE 3AMP (TYPE C32 N)	5 PCS
04-01-02016	POTENTIAL TESTER 1AMP	30 PCS
04-01-02017	SOLID STATE VOLTAGE REGULATOR MK 20	1 PCS
04-01-02018	H.V. BUSHING REMOVABLE PART TYPE 750 IR-36KV(M.G.SUPPLY) NOTICE 90588.	6 PCS
04-01-02019	HOREN 110 V D.C. 25 WAAT (TYPE FL 35).	5 PCS
04-01-02020	33 KV V.T. 33000 / 110 50 VA GLASS 0.5 (TYPE TPF400).	2 PCS
04-01-02021	HRC FUSES 11KV (20,40,63,80&100) AMP	9200 PCS

04-01-02022	MCCB 400VOLT 3 PHASE (400 & 250)AMP	2000 PCS
04-01-02023	LOW TENSION PILLERS	12000 PCS
04-01-02024	LOW TENSION METER BOX	20000 PCS
04-01-02025	LOW VOLTAGE CABLE 3X240+120 MM2 ARMOURED	50 KM
04-01-02026	LOW VOLTAGE CABLE 1X95 MM2	400 KM
04-01-02027	LOW VOLTAGE CABLE 1X150 MM2	80 KM
04-01-02028	LOW VOLTAGE CABLE 3X150+70 MM2 ARMOURED & UNARMOURED	60 KM
04-01-02029	LOW VOLTAGE CABLE 3X95+50 MM2 ARMOURED & UN ARMOURED	70 KM
04-01-02030	LOW VOLTAGE CABLE 2X1.5MM2	30 KM
04-01-02031	LOW VOLTAGE CABLE 2X2.5 MM2	115 KM
04-01-02032	LOW VOLTAGE CABLE 3X70+35 MM2 ARMOURED & UN ARMOURED	5 KM
04-01-02033	LOW VOLTAGE CABLE 4X10 MM2 ARMOURED & UN ARMOURED	170 KM
04-01-02034	LOW VOLTAGE CABLE 4X16 MM2 ARMOURED & UN ARMOURED	350 KM
04-01-02035	LOW VOLTAGE CABLE 4X25 MM2	100 KM
04-01-02036	BI-METAL CONNECTOR 210/120	36000 PCS
04-01-02037	PARALL GROVE CLAMB	25000 PCS
04-01-02038	BI-METAL CONNECTOR 95/50 & 25 /10	60000 PCS
04-01-02039	MID SPAN JOINT FOR CONDUCTOR 210/35 &120/20	5000 PCS
04-01-02040	SPARE PARTS FOR HUNGARIAN S/S :- CIRCUIT BREAKER 11 KV WITH SPARE PARTS	100 PCS
04-01-02041	33 KV SWITCH GEAR KIOSK TYPE IN-OUT COMPRESING 2 PANEL 800A 125KA WITH SPARE PARTS	3 PCS
04-01-02042	PUTASIOUM HYDROXIDE (KOH) FOR BATTERY	500 KG
04-01-02043	SILICAGEL IN TINS OF CAPACITY 5 KG FOR EACH	1000 NO.
04-01-02044	HIGH VOLTAGE TAPE FOR REPARING CABLES	15000 PCS
04-01-02045	1X 150 , 1X70 MM SINGLE CORE CABLE 12-20 KV	6 KM
04-01-02046	OVER HEAD AVR 11KV	120 SET
04-01-02047	COPPER WIRE 50 MM2	550 KM
04-01-02048	BUS BAR BOX (OUTDOOR)	2000 PCS
04-01-02049	EARTH ROD (2M) WITH CONNECTOR	25000 PCS
04-01-02050	STAY ROD	25000 PCS
04-01-02051	STAY WIRE	170000 KG
04-01-02052	OIL PURIFIER WITH SPARE PARTS	205 PCS
04-01-02053	RECOMMENDED SPARE PARTS FOR OIL PURIFIER (MAS 2500 & MAS 3500)	305 PCS
04-01-02054	PRIMARY INJECTION	12 PCS
04-01-02055	SECONDARY INJECTION	12 PCS
04-01-02056	OIL INSULATION TESTER	13 PCS
04-01-02057	HIGH TENSION TESTER	10 PCS
04-01-02058	AVO METER	150 PCS
04-01-02059	MAGGER	90 PCS
04-01-02060	CLAMP METER + P.F. METER	300 PCS
04-01-02061	TRANSFORMATION RATIO TESTER	13 PCS
04-01-02062	EARTHING RESISTANCE TESTER	20 PCS
04-01-02063	OVER HEAD PROJECTER	5 PCS
04-01-02064	VIDEO - TAPE WITH THE CAMERA	5 PCS
04-01-02065	PHOTOGRAPHI CAMERA	5 PCS
04-01-02066	RECORDER WITH THE MICROPHONE	5 PCS
04-01-02067	CD - PROJECTER (DATA SHOW)	2 PCS
04-01-02068	POWER FACTOR IMPROVMENT EQUIPMENT FOR L.T NETWORK 100 & 200 KVAR	800 SET
04-01-02069	POWER FACTOR IMPROVMENT EQUIPMENT FOR M.V. NETWORK 100, 200 &300	100 SET
04-01-02070	CAPACITOR 0.4 KV (OUTDOOR) 5 ,10, 20 &25 KVAR	40000 PCS
04-01-02071	DOUBLE SECTION ROPE OPERATED LADDERS (FIBER GLASS) 2X4.5 M & 2X6M	2700 PCS
04-01-02072	SAFETY EQUIPMENT	31500 PCS
04-01-02073	HOUSING METER (3PH)	10000 PCS
04-01-02074	DISCONNECTING HOT STICKS	1250 PCS
04-01-02075	TEST HOT STICK	650 PCS

04-01-02076	PORTABLE EARTH	1000 PCS
04-01-02077	INSULATING RUBBER GLOVES 1KV,11KV &33KV	9000 PCS
04-01-02078	PROTECTIVE DRESS	12000 PCS
04-01-02079	HELMET (FIBER CLASS)	5000 PCS
04-01-02080	PROTECTIVE SHOES	11000 PAIR
04-01-02081	REHABILITATION OF SECTOR NETWORK	19 PROJECT
04-01-02082	REHABILITATION OF OLD SUBSTATION	12 PROJECT
04-01-02083	REHABILITATION &INSTALLATION OF NEW TELCOMMUNICATION EQUIPMENT FOR VOICE ,DATA AND PROTECTION OF POWER LINES	80 NO.
04-01-02084	ELECTRICITY DISPATCH CONTRL CENTERS FOR DISTRIBUTION ELECTRICAL NETWORK REHABILITATION & INSTALLATION OF NEW) CENTERS)	18 PROJECT
04-01-02085	SPARE PARTS FOR SCANIA TRUCKS	6000 NO.
04-01-02086	TYRE'S TYPE 1400X20X20 , 1200X22.5X16 , 1000X15X18 , 700X12X12 & 750X16X14	26000 NO.
04-01-02087	AC CAPACITOR 220 V 50HZ 10MF & 25MF	2000 PCS
04-01-02088	CRANE BRIDGE 5-10 TON WIDTH 18M , HEIGHT 6M	10 NO
04-01-02089	INSULATION OIL CHEMICAL TEST SET	5 NO.
04-01-02090	BATTERY IMPEDANCE TEST EQUIPMENT	8 NO.
04-01-02091	KWH - METER TEST AND CALIBRATION SYSTEM	7 NO.
04-01-02092	INSULATION POWER FACTOR TEST SET (TANDELTA)	8 NO.
04-01-02093	L.V. CIRCUIT BREAKER TEST SET	8 NO.
04-01-02094	SF6 GAS PRESSURE TESTER	10 NO.
04-01-02095	SEQUENCE TESTER FOR L.V.	20 NO.
04-01-02096	SF6 GAS LEAK DETECTOR	10 NO.
04-01-02097	LIVE EQUIPMENT ALARM	100 NO.
04-01-02098	CIRCUIT BREAKER 11KVWITH SPARE PARTS FOR HUNGARIAN S/S	70 NO.
04-01-02099	LIGHTING CONTROL PANEL POLE MOUNTED : SINGLE PHASE 230 V , 80 AMP & 3 THREE PHASE 400 V , 100 AMP	1000 PCS
04-01-02100	MUTIPLEXER	5 SET
04-01-02101	DIGITAL RADIO EQUIPMENT (POINT TO MULTI POINT)WITH ACCE	100 PCS
04-01-02102	COMMUNICATION STRAIGHT JOINT FOR COPPER WIRE WITH SPECIAL TOOLS	300 PCS
04-01-02103	DIGITAL RADIO EQUIPMENT (POINT TO POINT)WITH ACCESSORI	3 SET
04-01-02104	PHASE DISPLACEMENT TESTER 11 KV	20 PCS
04-01-02105	SPARE PARTS FOR 33/11 KV S/S	10000 PCS
04-01-02106	SPARE PARTS FOR SIEMENS NETWORK	5000 PCS
04-01-02107	ELECTRICITY DISPATCH CENTERS REHABILITATION & INSTALLATION OF NEW CENTERS	3 NO.
04-01-02108	SAVING ENERGY LAMPS	1000000 NO.
04-01-02109	TERMINATION 3X150MM2 11 KV OUTDOOR + INDOOR	1000 PCS
04-01-02110	TOWERS TYPE (1C,1C3,1C2,1E,1E+3,1EC,1H,1H3,1HC,1L)	2500 PCS
04-01-02111	DEHYDRATING AGENT SILICAGEL IN TINS OF CAPACITY 5 KG FOR EACH	500 KG
04-01-02112	BATTERYCHARGER 12 V.D.CT	200 PCS
04-01-02113	REHABILITATION OF OLD ELECTRICAL NETWORK	2 NO.
04-01-02114	TANKER 16000-20000 LITTER WITH RECOMMENDED SPARE PARTS	3 NO.
04-01-02115	REFRACTORY FOR E.A.F. 22.5 TON & FOR SLIDING GATE & FOR VOD LDDLE 22.5 TON AND GAS STEERING	667.2 TON + 1430 PCS
04-01-02116	MATERIL , CK 35 , CK 45 , 41CR4 , 42CRMO4 , 25CRMO4 , CK 60 , ST .STEEL SUS 316.	1350 TON
04-01-02117	SLITTING MAEHINE (2) , ROLLING MAHINE (2) , BENDING MACHINE (1), FOR STEEL PLATE (1) AND COMPLETE LINE FOR PRODUCING FALSE CEILING	5 PCE
04-01-02118	FERO ALLOY ,(NI),(FESI),(FECR)L.C ,(FECR)H.C,(FEMO),(FEV),(CAF2),(C) , (FEMN)H.C.,(FEMN)L.C. AND PURE ALLUMINUM FOR DEOXIDATION.	384 TON
04-01-02119	OVER HEAD CREANS	52 PCS

04-01-02120	PLATE STEEL 37.	450 TON
04-01-02121	AMBULANCES	1 NO
04-01-02122	FIRE FIGHTING VEHICLES	1 NO
04-01-02123	CURRENT TRANSFORMER 12KV 150-300/5/5A (JAPAN S/S)	50 PCS
04-01-02124	CURRENT TRANFORMER 12KV 300-600/5/5 (JAPAN S/S)	50 PCS
04-01-02125	BENDING MACHINE 3-6MM	2 NO.
04-01-02126	SHEARING MACHINE	2 NO.
04-01-02127	SPOT WELDING MACHINE	2 NO.
04-01-02128	PUNCH MACHINE SIZE 0.5 INCH - 1.5 INCH	4 NO.
04-01-02129	PORTABLE GRIND MACHINE	4 NO.
04-01-02130	ELECTRICAL WELDING MACHINE	15 NO.
04-01-02131	FIXED DRILL MACHINE 2-4 CM	2 NO.
04-01-02132	PIPE BEND MACHINE	2 NO.
04-01-02133	ACID OIL TESTER (TRANSFORMER OIL)	10 NO.
04-01-02134	TEST AND CHECK CAPACTTOR TESTER	2 NO.
04-01-02135	PRIMARY INJECTION CURRENT FOR LOW TENSION CIRCUIT BREAKERS CAPACITY 10KA	2 NO.
04-01-02136	DIESEL SAW FOR CUTITING TREES	50 PCS
04-01-02137	KOH (POTASIUH HIDROXID FOR ALKLINE BATTERIES	1000 KG
04-01-02138	GRAIN ORIENTED SILICON STEEL	3000 TON
04-01-02139	COLD ROLLED CARBON STEEL STRIP	1000 TON
04-01-02140	COPPER WIRE (BARE , ENAMILLED , PAPER INSULATED)	1000 TON
04-01-02141	COPPER STRIP ROLL & SHEET FOR TRANSFORMERS	750 TON
04-01-02142	TAP CHANGER. CONTROL PANNELS WITH SPARE PARTS	2500 PCS
04-01-02143	BUSHING FOR TRANSFORMERS	100000 PCS
04-01-02144	HOT ROLLED STEEL SHEET	655 TON
04-01-02145	HOT ROLLED STEEL SHAPES	400 TON
04-01-02146	CARBON STEEL PIPES AND ROD	300 TON
04-01-02147	SEMI FINISHED PARTS FOR TRANSFORMERS	500 PCS
04-01-02148	OIL	900000 LIT
04-01-02149	COPPER ROD 8mm	2000 TON
04-01-02150	ALUMINIUM WIRE ROD	2000 TON
04-01-02151	PRESTRESS REINFORCED STEEL WIRE DIAM. 7.4mm	500 TON
04-01-02152	GALV. ST. SHEET 0.6 - 3.2MM	500 TON
04-01-02153	PRECOATED ST. STR. 0.5 X 1000 X ROLL	750 TON

SECTION F 46- GENERAL PURPOSE EQUIPMENT AND TOOLS

CODE	ITEM	QTY
04-01-02154	CARS, PICKUPS, LORRIES	5000 NOS
04-01-02155	CRANES AND LIFTING DEVICES	400 NOS
04-01-02156	TANKERS FOR CHEMICAL TRANSPORTATION AND FOR WATER TREATMANT	16 NOS
04-01-02157	AMBULANCE CARS	50 NOS
04-01-02158	FIRE FIGHTING VEHICLES	50 NOS
04-01-02159	CONCRETE BATCH PLANT WITH ACCESSARIES	5 LOT
04-01-02160	CONCRETE TRUCK MIXER	10 NOS
04-01-02161	CONCRETE LIFTING PUMPS , HEAD 16-45 METER	4 NOS
04-01-02162	CIVIL ENGINEERING SURVEY TOOLS AND TEST EQUIPMENT	10 SET
04-01-02163	REINFORCEMENT STEEL OF DIFFERENT SIZES	50000 TON
04-01-02164	WELDING ELECTRODES OF DIFFERENT SIZES	500 TON
04-01-02165	SHUTTERING WOOD OF DIFFERENT SIZES	5000 TON
04-01-02166	METEL SHEET FOR CIVIL CONSTRUCTION OF DIFFERENT SIZES	5000 TON
04-01-02167	SHOVELS OF DIFFERENT TYPE	20 NOS
04-01-02168	SPARE PARTS GEC RUSTON DIESEL	LOT
04-01-02169	SPARE PARTS CUMMING N,NT,NTA 855	LOT
04-01-02170	SPARE PARTS BRUSHLESS A.C GENERATOR CONTROL PANAL FOR DIESEL GENERATOR SETFOR CAPACITY 1100KVA, 1000KVA,600KVA & 30KVA	LOT
04-01-02171	SPARE PARTS FOR NISSAN DIESEL RD8U.D	LOT
04-01-02172	COMPUTER NETWORKING SYSTEM AND ITS ACCESSORIES	5 SET

04-01-02173	SPARE PARTS FOR COMPUTER	100 PCS
04-01-02174	INFOCUS LP930 WITH ITS ACCESSORIES	3 NO.
04-01-02175	INSTRUMENTS FOR MEASURING AND TESTING EQUIPMENTS LABORATORY.	50 PCS
04-01-02176	SOLDERING AND DESOLDERING STATION	4 NO.
04-01-02177	EXECUTIVE STYLE TOOL CASES WITH ACCESSORIES AND TOOLS	10 NO.
04-01-02178	ELECTRONIC LAB TEST BENCH	4 NO.
04-01-02179	INSTANT SOLDERING STATION WITH ACCESSORIES	10 NO.
04-01-02180	INDUSTRIAL PROCESSORS FOR CONTROL SYSTEM OF POWER STATION	10 NO.
04-01-02181	ELECTRONIC COMPONENTS FOR MAINTAINCE OF ELECTRONIC OF POWER STATION	1000 PCS
04-01-02182	CONTROL AND DATA CABLES	100 M
04-01-02183	ELECTRONICALLY CONTROLLED SOLDERING STATION	10 NO.
04-01-02184	FORM PRINTING MACHINE	1 NO.
04-01-02185	FORM COLLECTING MACHINE	1 NO.
04-01-02186	CUTTING MACHINE	1 NO.
04-01-02187	SHEET OFFSET PRINTING	4 NO.
04-01-02188	PAPER PRESS SYSTEM	2 NO.
04-01-02189	FORM PAPER	1500 TON
04-01-02190	LAPTOP PORTABLE COMPUTER WITH COMMUNICATION MODULE	1 SET
04-01-02191	GIS SYSTEM WITH TWO WORKSTATIONS	1 SET

SECTION -G 47- MISCELLANEOUS EQUIPMENT

CODE	ITEM	UNIT
04-01-02192	WINDMILL POWER GENERATION UNITS 100KW – 5MW	100 SET
04-01-02193	PHOTO VOLTAIC SOLAR PANEL WITH BATTERY CHARGING CONTROL UNIT 100-2000 WATT	1000 SET
04-01-02194	TRAILERS 40-70 TON	50 NO
04-01-02195	LOW LOADER 50-150 TON	20 NO
04-01-02196	EQUIPMENT FOR ESTABLISHING WORKSHOP FOR REWINDING H.V. MOTORS	LOT
04-01-02197	SMALL DIESEL ELECTRIC GENERATORS (5 , 10 , 15) KVA WITH SPARE PARTS AND EQUIPMENT FOR ASSEMBLY AND REPAIR	500 NO
04-01-02198	SPARE PARTS FOR OXYGEN COMPRESSOR	LOT
04-01-02199	SPARE PARTS FOR AIR COMPRESSOR	LOT
04-01-02200	NEW 400KV SUBSTATION ALAMEEN	LOT
04-01-02201	NEW 400KV SUBSTATION BAGHDAD CENTER	LOT
04-01-02202	STEEL PLATES (DIFF. SIZES)	690 TONS
04-01-02203	STEEL ANGLES , STEEL 52	300 TONS
04-01-02204	STEEL ANGLES , BOLTS , NUTS AND WASHERS	462500 PCS
04-01-02205	SPARE PARTS FOR DIESEL GENERATOR	1 LOT
04-01-02206	PC- COMPUTERS (FILE SERVERS)	6 PCS
04-01-02207	PC- COMPUTERS (WORK STATIONS)	44 PCS
04-01-02208	PRINTERS (EPSON LQ 2180) AND RIBBON	10+1000 PCS
04-01-02209	RIBBON FOR PRINTER (MT691)	500 PCS
04-01-02210	MULTIMEDIA EDUCATIONAL NETWORK SYSTEM	1 SET
04-01-02211	PROJECTOR INFOCUS (1100 LUMENS OR MORE)	2 SET
04-01-02212	COMPUTER TRAINING LAB.	1 SET
04-01-02213	ELECTRONICS WORKSHOP	1 SET
04-01-02214	UPS (5 KVA) , 2 KVA	20 NO.
04-01-02215	SPARE PART FOR SKYLIFT TYPE M.A.N. (ROTHMAN) AND TYPE INTERNATIONAL	2000 PCS
04-01-02216	PAPER IN ROLL	1000 ROLL
04-01-02217	CARBON ROLL	200 ROLL
04-01-02218	INK	200 LITER
04-01-02219	GUM	200 LITER
04-01-02220	PAPER TAPE	1000 ROLL
04-01-02221	COMPRESSOR : MODEL 30 GA 040 B250 400V , PH=3 H2=50 37A 20 SKW 1500 R/MIN 31 BAR	6 NO

04-01-02222	CONDENCER FANS * DIAMEFER : 762 MM * SPEED : 950 RPM * TOTAL AIR QUANTITY : 43600 M3/N	9 NO
04-01-02223	CONDECERS : * FIN SPARING : 2.5MM	6 NO

	* NUMBER OF ROW/PER ELEMENT : 4 * FALEAREA : 5.61M2	
04-01-02224	EXPANSION VALVE : XB 1019 HW100 1B ALCO COMPANY	16 NO
04-01-02225	AMBALANCE CAR	8 NO
04-01-02226	MOBILE G.T AUXILIARIES & CONTROL CARDS FOR DIBIS GAS TURBUNE , MOSUL GAS TURBINE AND MULLA ABDULLA GAS TURBINE POWER STATION .	1000 PCS + 100 SET
04-01-02227	MOBILE G.T COMBUSITION & TURBINE EQUIPMENTS FOR DIBIS GAS TURBUNE , MOSUL GAS TURBINE AND MULLA ABDULLA GAS TURBINE POWER STATION .	1000 PCS + 100 SET
04-01-02228	MOBILE G.T REHABILITATION & ENGINEERING SERVICE FOR DIBIS GAS TURBUNE , MOSUL GAS TURBINE AND MULLA ABDULLA GAS TURBINE POWER STATION .	10 UNITS
04-01-02229	MOBILE G.T LUBE OIL SYSTEM AND EQUIPMENTS FOR DIBIS GAS TURBUNE , MOSUL GAS TURBINE AND MULLA ABDULLA GAS TURBINE POWER STATION .	20000 LITER + 500 PCS
04-01-02230	MOBILE G.T INTAKE AIR SYSTEM FOR DIBIS GAS TURBUNE , MOSUL GAS TURBINE AND MULLA ABDULLA GAS TURBINE POWER STATION .	3000 NO
04-01-02231	STAINLESS STEEL SHEET	150 TON
04-01-02232	SPARE PARTS FOR M/C	200000 PCS
04-01-02233	TESTING EQUIPMENT	250 PCS
04-01-02234	INS. FLEXIEBLE WIRES & CABLES	30000 PCS
04-01-02235	WELDING RODS	20 TON
04-01-02236	COATING MATERIAL	200 TON
04-01-02237	NITRIL & CORKPREN SHEETS	10000 PCS
04-01-02238	FASTENERS & NUTS , WASHERS	1500000 PCS
04-01-02239	INSULATING MATERIALS	200 TON
04-01-02240	PRESTRESSING REINFORCEMENT STEEL WIRE DIAM . 7.4mm	450 TON
04-01-02241	WEDGES TYPE, 81 - 001.07 FOR 7.4mm ROUND WIRE	5000 PCS
04-01-02242	CROSS WIRING MILD STEEL (BLACK) WIRE OF COMMERCIAL QUALITY 3mm DIAM. IN COILS OF 600mm DIAM.	10 TON
04-01-02243	CIRCULAR CONSTRUCTION YOKES WELDABLE REINFORCMENT BARS 4mm OF COMMERCIAL QUALITY.	10 TON
04-01-02244	MOULD (FORGED STEEL) FOR PRODUCING CONCRETE POLES (9)m LENGTH.	10 PCS
04-01-02245	SHUNTING VEHICLE TUGGING CAPACITY (250 TONS) , ROAD AND RAIL APPLICATION . THE ENGINE TO BE DIESEL , 6 CYLINDERS , EQUIPPED WITH TURBO - CHARGER , COOLING TO BE WITH WATER . THE VEHICLE SHOULD BE EQUIPPED WITH FOUR RUBBER TIERS FOR ROAD USE AND FOUR STEEL TIERS FOR RAIL APPLICATION . THE TRANSMISSION MOVEMENT FROM THE ROAD TO THE RAIL SHOULD NOT EXCEED (40M.) DRIVERS CABINET TO BE AIR-CONDITIONED. AIR BRAKES WITH HYDRAULIC EXCHANGER , FOUR-WHEEL DRIVE. AUTOMATIC TRANSMISSION . EQUIPED FROM THE FRONT AND REAR WITH HOOK ASSEMBLY FOR TUGGING CARGO CAR. SHOULD BE EQUIPPED WITH TWO BATTERIES (120AMP * VOLTS) LIGHTS TO BE AT BOTH ENDS .	2 NO
04-01-02246	INDUSTRIAL PROCESSORS FOR CONTROL SYSTEM OF POWER PLANTS	10 NO.
04-01-02247	PROTO TYPE PCB SYSTEM	1 SET
04-01-02248	SPARE PARTS FOR TALLY PRINTER	78 PCS
04-01-02249	SCANNER LG 9600 DP	2 SET
04-01-02250	INFOCUS LP1000 INNER LAMP	2 NO.
04-01-02251	Station Gas Scrubber & Unit Gas Scrubber & Drain Tank consisting of Horizontal Separator and Hot water Boiler and their accessories and spare parts	2 sets