

AGENCY: UNDP - PHASE VII
 PROJECT: Z69 (Suleimaniyah Substations (stage 2))

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
04-69-70001	Steel cylinders of liquefied gas SF6 of 20kg capacity.	6	Each
04-69-70002	Nissan 4WD Patrol Station Wagon GL, (LHD)	1	Unit
04-69-70003	Rear differential lock & free wheel hubs (automatic), side steps & tyres	1	Lot
04-69-70004	Fuel tank, extra, 40 l & rear wiper	1	Lot
04-69-70005	Warning triangle	1	Each
04-69-70006	Radio & cassette w/2sp. Antenna - manual	1	Each
04-69-70007	Rear cooler	1	Each
04-69-70008	Standard spare parts kit	1	Each
04-69-70009	SONY Digital Camera Mavica MVC-FD85.	1	Each
04-69-70010	Motorola GM 300 Mobile Radio, VHF including features 2-3	1	Each
04-69-70011	battery power cable, compact microphone	1	Each
04-69-70012	two profile trunnion kit	1	Each
04-69-70013	3 DB mobile antenna with 4 meter cable and connector	1	Each
04-69-70014	Operator manual	1	Each
04-69-70015	HP LaserJet Printer 1200 , 1200x1200 dpi resolution, includes item 2	2	Each
04-69-70016	Toner Cartridge, 3m parallel printer cable, Manuals in English	2	Each
04-69-70017	HP DeskJet Printer 1220C , 600 dpi print quality, includes item 4	1	Each
04-69-70018	Toner Cartridge, 3m parallel printer cable, Manuals in English	1	Each
04-69-70019	HP Print cartridge for LaserJet Printer 1200	6	Each
04-69-70020	HP Black inkjet cartridge for DeskJet Printer 1220C	2	Each
04-69-70021	HP Color inkjet cartridge for DeskJet Printer 1220C	2	Each
04-69-70022	Desktop, HP Vectra VL420	4	Each
04-69-70023	Notebook, HP OmniBook XE3, with carrying case	1	Each
04-69-70024	650VA, 220V, 50Hz with AVR & Power Chute Plus Auto Shutdown software for Win NT. Part No. BP650SI	4	Each
04-69-70025	Capacitive voltage transformer, 132 kV	6	piece(s)
04-69-70026	132 kV Disconnecter with earthing switch, 1250 A	2	piece(s)
04-69-70027	132 kV Current transformer, 600-300/5/5/5, 2000/5/5 A	6	piece(s)
04-69-70028	132 kV Circuit breaker, 1250 A	2	piece(s)
04-69-70029	132 kV Disconnecter, 1250 A	2	piece(s)
04-69-70030	VT MCB boxes	3	piece(s)
04-69-70031	132 kV Disconector, 1250 A	2	piece(s)
04-69-70032	132 kV Circuit breaker, 1250 A	2	piece(s)
04-69-70033	132 kV Current transformer, 300-150/5/5/5, 2000/5/5 A	6	piece(s)
04-69-70034	Surge arrester, 120 kV	6	piece(s)
04-69-70035	Marshalling box with anchor bolts	5	piece(s)
04-69-70036	Steel structures	1	set
04-69-70037	Anchor bolts and templates	1	set
04-69-70038	ACSR conductor	1	set
04-69-70039	Clamps	1	set

AGENCY: UNDP - PHASE VII
PROJECT: Z69 (Suleimaniyah Substations (stage 2))

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
04-69-70040)	1	set
04-69-70041	Insulators	1	set
04-69-70042	Suspension and jointing equipment	1	set
04-69-70043	132 kV Disconnecter, 1250 A	1	piece(s)
04-69-70044	Inductive voltage transformer, 132 kV	3	piece(s)
04-69-70045	80 kV Neutral point surge arrester	2	piece(s)
04-69-70046	72.5 kV Single pole disconnecter	2	piece(s)
04-69-70047	All necessary connections and support structures	1	set
04-69-70048	33 kV neutral earthing reactor	2	piece(s)
04-69-70049	33 kV outdoor current transformer	2	piece(s)
04-69-70050	All necessary connections and support structures	2	piece(s)
04-69-70051	11kV Bus Coupler and Bus Riser type ZS1,2000A	1	set
04-69-70052	Loose parts for 33 kV switchgear type UNISAFE 36	1	set
04-69-70053	ZNyn11	2	piece(s)
04-69-70054	Steel structure with anchor bolts for up-rising cables to tr. Boxes	2	set
04-69-70055	11 kV neutral point earthing equipment and resistor with anchor bolts	2	piece(s)
04-69-70056	MV cable, 36 kV, 1x240 mm ²	1500	meter
04-69-70057	MV cable, 15 kV, 1x400 mm ²	500	meter
04-69-70058	MV cable, 15 kV, 1x185 mm ²	1500	meter
04-69-70059	Termination 36 kV, outdoor, 1x240 mm ²	10	set
04-69-70060	Termination 36 kV, indoor, 1x240 mm ²	18	set
04-69-70061	Termination 15 kV, outdoor, 1x185 mm ²	12	set
04-69-70062	Termination 15 kV, indoor, 1x400 mm ²	12	set
04-69-70063	Termination 15 kV, indoor, 1x185 mm ²	15	set
04-69-70064	33 kV, surge arrestors	30	piece(s)
04-69-70065	11 kV, surge arrestors	36	piece(s)
04-69-70066	Cable trays with all fixing anchor bolts	1	set
04-69-70067	Joint for single core XLPE cable 15 kV, 1x185 mm ²	20	set
04-69-70068	Joint for single core XLPE cable 15 kV, 1x400 mm ²	20	set
04-69-70069	Joint for single core XLPE cable 36 kV, 1x240 mm ²	30	set
04-69-70070	Steel supports for MV cable termination	1	set
04-69-70071	LV auxiliary cable, 0,6/1,0 kV, PVC, Copper, 1 x 185 sq.mm	1500	meter
04-69-70072	LV auxiliary cable, 0,6/1,0 kV, PVC, Copper, 1 x 70 sq.mm	1000	meter
04-69-70073	LV auxiliary cable, 0,6/1,0 kV, PVC, Copper, 2 x 70 sq.mm	1000	meter
04-69-70074	LV auxiliary cable, 0,6/1,0 kV, PVC, Copper, 4 x 35 sq.mm	1000	meter
04-69-70075	LV auxiliary cable, 0,6/1,0 kV, PVC, Copper, 4 x 50 sq.mm	1000	meter
04-69-70076	LV auxiliary cable, 0,6/1,0 kV, PVC, Copper, 4 x 16 sq.mm	1000	meter
04-69-70077	LV auxiliary cable, 0,6/1,0 kV, PVC, Copper, 4 x 6 sq.mm	7000	meter

AGENCY: UNDP - PHASE VII
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CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
04-69-70078	LV auxiliary cable, 0,6/1,0 kV, PVC, Copper, 2 x 6 sq.mm	1000	meter
04-69-70079	LV auxiliary cable, 0,6/1,0 kV, PVC, Copper, 4 x 4 sq.mm	1000	meter
04-69-70080	LV auxiliary cable, 0,6/1,0 kV, PVC, Copper, 4 x 2,5 sq.mm	1000	meter
04-69-70081	LV auxiliary cable, 0,6/1,0 kV, PVC, Copper, 3 x 2,5 sq.mm	1000	meter
04-69-70082	LV auxiliary cable, 0,6/1,0 kV, PVC, Copper, 2 x 2,5 sq.mm	1000	meter
04-69-70083	LV auxiliary cable, 0,6/1,0 kV, PVC, Copper, 2 x 4 sq.mm	1000	meter
04-69-70084	Control cable 0,6/1,0 kV, PVC, Copper, 4 x 2,5/2,5 sq.mm	6000	meter
04-69-70085	Control cable 0,6/1,0 kV, PVC, Copper, 6 x 2,5/2,5 sq.mm	3000	meter
04-69-70086	Control cable 0,6/1,0 kV, PVC, Copper, 12x 2,5/4 sq.mm	4000	meter
04-69-70087	Control cable 0,6/1,0 kV, PVC, Copper, 16 x 2,5/6 sq.mm	4000	meter
04-69-70088	Control cable 0,6/1,0 kV, PVC, Copper, 21 x 2,5/10 sq.mm	4000	meter
04-69-70089	Control cable 0,6/1,0 kV, PVC, Copper, 3 x 2,5 sq.mm	1000	meter
04-69-70090	Control cable 0,6/1,0 kV, PVC, Copper, 9 x 1,5/2,5 sq.mm	1000	meter
04-69-70091	Cable trays with all necessary anchor bolts	1	set
04-69-70092	All other necessary material for marking and fixing.	1	set
04-69-70093	LV AC Distribution Panels	1	piece(s)
04-69-70094	110V DC Distribution Panels for Two Batteries	1	piece(s)
04-69-70095	110V Battery	2	set
04-69-70096	Battery Charger	2	set
04-69-70097	Battery link box	2	set
04-69-70098	Relay Panel -132 kV OH Feeder	2	piece(s)
04-69-70099	Relay Panel - 132 kV Transformer Feeder	2	piece(s)
04-69-70100	Auto-reclosing relay	15	set
04-69-70101	Auto-reclose ON/OFF selector switch	15	set
04-69-70102	Control Panel - Two OH Feeders of 132 kV	1	piece(s)
04-69-70103	Control Panel - Two Transformer Feeders of 132 kV	1	piece(s)
04-69-70104	Control Panel - Synchronising Panel of 132 kV	1	piece(s)
04-69-70105	Control Panel - 33 kV Switchgear (12 Feeders-Two Panels)	1	set
04-69-70106	Control Panels - 11 kV Switchgear (15 Feeders-Two Panels)	1	set
04-69-70107	On Load Tap Changer Control (O.L.T.C.) Panel	2	piece(s)
04-69-70108	Signalling Panel - Common Signals	1	piece(s)
04-69-70109	Metering Panel - for Two 132 kV OH Feeders	1	piece(s)
04-69-70110	Metering Panel - for Seven 33 kV Feeders	1	piece(s)
04-69-70111	Metering Panel - for Eight 11 kV Feeders	1	piece(s)
04-69-70112	Marshalling Boxes	5	piece(s)
04-69-70113	Microcomputer-Based Substation Control System	1	set

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CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
04-69-70114	Substation Earthing and Lightning Protection material, if any	1	set
04-69-70115	Lighting and LV Power Supply Equipment - S/S Said Sadiq	1	set
04-69-70116	Air Conditioning and Heating System Equipment- S/S Said Sadiq	1	set
04-69-70117	Fire Detection System and Fire Extinguishers - S/S Said Sadiq	1	set
04-69-70118	Interface panel	1	set
04-69-70119	50 kVA, 400V, three phase, 0.8 PF DG set complete with all accessories	1	piece(s)
04-69-70120	Complete cabling, earthing etc	1	set
04-69-70121	Standard Tool Box	1	set
04-69-70122	Special Tool Box for Switchgears	1	set
04-69-70123	Special Tool Box for Transformers	1	set
04-69-70124	Special Tool Box for Control and protection equipment	1	set
04-69-70125	132/33/11 kV, 31.5/25/12.5 MVA, OLTC Power Transformer	2	piece(s)
04-69-70126	Capacitive voltage transformer, 132 kV	6	piece(s)
04-69-70127	132 kV Disconnecter with earthing switch, 1250 A	2	piece(s)
04-69-70128	132 kV Current transformer, 600-300/5/5/5, 2000/5/5 A	6	piece(s)
04-69-70129	132 kV Circuit breaker, 1250 A	2	piece(s)
04-69-70130	132 kV Disconnecter, 1250 A	2	piece(s)
04-69-70131	VT MCB boxes	3	piece(s)
04-69-70132	Marshalling box with anchor bolts	5	piece(s)
04-69-70133	Steel structures	1	set
04-69-70134	Anchor bolts and templates	1	set
04-69-70135	ACSR conductor	1	set
04-69-70136	Clamps	1	set
04-69-70137)	1	set
04-69-70138	Insulators	1	set
04-69-70139	Suspension and jointing equipment	1	set
04-69-70140	132 kV Disconnector, 1250 A	2	piece(s)
04-69-70141	132 kV Circuit breaker, 1250 A	2	piece(s)
04-69-70142	132 kV Current transformer, 300-150/5/5/5, 2000/5/5 A	6	piece(s)
04-69-70143	Surge arrester, 120 kV	6	piece(s)
04-69-70144	132 kV Disconnecter, 1250 A	1	piece(s)
04-69-70145	Inductive voltage transformer 132 kV	3	piece(s)
04-69-70146	80 kV Neutral point surge arrester	2	piece(s)
04-69-70147	72.5 kV Single pole disconnector	2	piece(s)
04-69-70148	33 kV neutral earthing reactor	2	piece(s)
04-69-70149	33 kV outdoor current transformer	2	piece(s)
04-69-70150	All necessary connections and support structures	2	piece(s)
04-69-70151	33 kV Transformer Cubicle for Tr. 132/33/11 kV - Kallar	2	piece(s)
04-69-70152	33 kV Outgoing Feeder Cubicle	6	piece(s)
04-69-70153	33 kV Capacitor Bank Cubicle	2	piece(s)
04-69-70154	33 kV Bus Section Cubicle	1	piece(s)
04-69-70155	33 kV Busriser Cubicle With VT	1	piece(s)

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CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
04-69-70156	33 kV VT Cubicle	1	piece(s)
04-69-70157	33 kV, 15 MVar, Auto-Switched Capacitor Bank	2	set
04-69-70158	33 kV Disconnecter	2	piece(s)
04-69-70159	All necessary support structures	2	set
04-69-70160	All necessary connections	2	set
04-69-70161	11 kV Transformer Cubicle	2	piece(s)
04-69-70162	11 kV Outgoing Feeder Cubicle	8	piece(s)
04-69-70163	11 kV Auxiliary Transformer Cubicle	2	piece(s)
04-69-70164	11 kV Bus Section Cubicle	1	piece(s)
04-69-70165	11 kV Busriser Cubicle with VT	1	piece(s)
04-69-70166	11 kV VT Cubicle	1	piece(s)
04-69-70167	ZNyn11	2	piece(s)
04-69-70168	Steel structure with anchor bolts for up-rising cables to tr. Boxes	2	set
04-69-70169	11 kV neutral point earthing equipment and resistor with anchor bolts	2	piece(s)
04-69-70170	MV cable, 36 kV, 1x240 mm ²	3500	meter
04-69-70171	MV cable, 15 kV, 1x 240 mm ²	1500	meter
04-69-70172	MV cable, 15 kV, 1x185 mm ²	3000	meter
04-69-70173	Termination 36 kV, outdoor, 1x240 mm ²	12	set
04-69-70174	Termination 36 kV, indoor, 1x240 mm ²	20	set
04-69-70175	Termination 15 kV, indoor, 1x 240 mm ²	12	set
04-69-70176	Termination 15 kV, indoor, 1x185 mm ²	16	set
04-69-70177	Termination 15 kV, outdoor, 1x185 mm ²	12	set
04-69-70178	33 kV, surge arrestors	30	piece(s)
04-69-70179	11 kV, surge arrestors	36	piece(s)
04-69-70180	Cable trays with all fixing anchor bolts	1	set
04-69-70181	LV auxiliary cable, 0,6/1,0 kV, PVC, Copper, 1 x 185 sq.mm	1500	meter
04-69-70182	LV auxiliary cable, 0,6/1,0 kV, PVC, Copper, 1 x 70 sq.mm	500	meter
04-69-70183	LV auxiliary cable, 0,6/1,0 kV, PVC, Copper, 2 x 70 sq.mm	500	meter
04-69-70184	LV auxiliary cable, 0,6/1,0 kV, PVC, Copper, 4 x 35 sq.mm	500	meter
04-69-70185	LV auxiliary cable, 0,6/1,0 kV, PVC, Copper, 4 x 50 sq.mm	500	meter
04-69-70186	LV auxiliary cable, 0,6/1,0 kV, PVC, Copper, 4 x 16 sq.mm	500	meter
04-69-70187	LV auxiliary cable, 0,6/1,0 kV, PVC, Copper, 4 x 6 sq.mm	6000	meter
04-69-70188	LV auxiliary cable, 0,6/1,0 kV, PVC, Copper, 2 x 6 sq.mm	2000	meter
04-69-70189	LV auxiliary cable, 0,6/1,0 kV, PVC, Copper, 4 x 4 sq.mm	2000	meter
04-69-70190	LV auxiliary cable, 0,6/1,0 kV, PVC, Copper, 4 x 2,5 sq.mm	2000	meter
04-69-70191	LV auxiliary cable, 0,6/1,0 kV, PVC, Copper, 3 x 2,5 sq.mm	2000	meter
04-69-70192	LV auxiliary cable, 0,6/1,0 kV, PVC, Copper, 2 x 2,5 sq.mm	2000	meter
04-69-70193	LV auxiliary cable, 0,6/1,0 kV, PVC, Copper, 2 x 4 sq.mm	2000	meter

AGENCY: UNDP - PHASE VII
PROJECT: Z69 (Suleimaniyah Substations (stage 2))

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
04-69-70194	Control cable 0,6/1,0 kV, PVC, Copper, 4 x 2,5/2,5 sq.mm	6000	meter
04-69-70195	Control cable 0,6/1,0 kV, PVC, Copper, 6 x 2,5/2,5 sq.mm	2000	meter
04-69-70196	Control cable 0,6/1,0 kV, PVC, Copper, 12x 2,5/4 sq.mm	2000	meter
04-69-70197	Control cable 0,6/1,0 kV, PVC, Copper, 16 x 2,5/6 sq.mm	2000	meter
04-69-70198	Control cable 0,6/1,0 kV, PVC, Copper, 21 x 2,5/10 sq.mm	2000	meter
04-69-70199	Control cable 0,6/1,0 kV, PVC, Copper, 3 x 2,5 sq.mm	2000	meter
04-69-70200	Control cable 0,6/1,0 kV, PVC, Copper, 9 x 1,5/2,5 sq.mm	2000	meter
04-69-70201	Cable trays with all necessary anchor bolts	1	set
04-69-70202	All other necessary material for marking and fixing.	1	set
04-69-70203	LV AC Distribution Panels	1	piece(s)
04-69-70204	110V DC Distribution Panels for Two Batteries	1	piece(s)
04-69-70205	110V Battery	2	set
04-69-70206	Battery Charger	2	set
04-69-70207	Battery link box	2	set
04-69-70208	Relay Panel -132 kV OH Feeder	2	piece(s)
04-69-70209	Relay Panel - 132 kV Transformer Feeder	2	piece(s)
04-69-70210	Control Panel - Two OH Feeders of 132 kV	1	piece(s)
04-69-70211	Control Panel - Two Transformer Feeders of 132 kV	1	piece(s)
04-69-70212	Control Panel - Synchronising Panel of 132 kV	1	piece(s)
04-69-70213	Control Panel - 33 kV Switchgear (13 Feeders-Two Panels)	1	set
04-69-70214	Control Panels - 11 kV Switchgear (15 Feeders-Two Panels)	1	set
04-69-70215	On Load Tap Changer Control (O.L.T.C.) Panel	2	piece(s)
04-69-70216	Signalling Panel - Common Signals	1	piece(s)
04-69-70217	Metering Panel - for Two 132 kV OH Feeders	1	piece(s)
04-69-70218	Metering Panel - for Seven 33 kV Feeders	1	piece(s)
04-69-70219	Metering Panel - for Eight 11 kV Feeders	1	piece(s)
04-69-70220	Marshalling Boxes	5	piece(s)
04-69-70221	Microcomputer-Based Substation Control System	1	set
04-69-70222	Substation Earthing and Lightning Protection material, if any	1	set
04-69-70223	Lighting and LV Power Supply Equipment	1	set
04-69-70224	Air Conditioning and Heating System Equipment	1	set
04-69-70225	Fire Detection System and Fire Extinguishers	1	set
04-69-70226	Interface panel	1	set
04-69-70227	50 kVA, 400V, three phase, 0.8 PF DG set complete with all accessories	1	piece(s)
04-69-70228	Complete cabling, earthing etc.	1	set
04-69-70229	Standard Tool Box	1	set
04-69-70230	Special Tool Box for Switchgears	1	set
04-69-70231	Special Tool Box for Transformers	1	set
04-69-70232	Special Tool Box for Control and protection equipment	1	set
04-69-70233	33/11 kV, 10 MVA, OLTC Power Transformer	1	piece(s)

AGENCY: UNDP - PHASE VII
PROJECT: Z69 (Suleimaniyah Substations (stage 2))

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
04-69-70234	33 kV Incoming Cubicle	2	piece(s)
04-69-70235	33 kV Transformer Cubicle for Tr. 33/11 kV	2	piece(s)
04-69-70236	33 kV Outgoing Feeder Cubicle	1	piece(s)
04-69-70237	33 kV Capacitor Bank Cubicle	2	piece(s)
04-69-70238	33 kV Bus Section Cubicle	1	piece(s)
04-69-70239	33 kV Busriser Cubicle With VT	1	piece(s)
04-69-70240	33 kV VT Cubicle	1	piece(s)
04-69-70241	33 kV, 2.5 MVAR, Capacitor Bank	2	set
04-69-70242	33 kV Disconnecter	2	piece(s)
04-69-70243	All necessary support structures	2	set
04-69-70244	All necessary connections	2	set
04-69-70245	11 kV Transformer Cubicle	2	piece(s)
04-69-70246	11 kV Outgoing Feeder Cubicle	6	piece(s)
04-69-70247	11 kV Auxiliary Transformer Cubicle	2	piece(s)
04-69-70248	11 kV Bus Section Cubicle	1	piece(s)
04-69-70249	11 kV Busriser Cubicle with VT	1	piece(s)
04-69-70250	11 kV VT Cubicle	1	piece(s)
04-69-70251	Aux. transformer 11/0.4 kV, 250 kVA,	2	piece(s)
04-69-70252	Steel structure with anchor bolts for up-rising cables to tr. Boxes	2	set
04-69-70253	11 kV neutral point earthing equipment and resistor with anchor bolts	2	piece(s)
04-69-70254	MV cable, 36 kV, 1x240 mm ²	1000	meter
04-69-70255	MV cable, 15 kV, 1x240 mm ²	500	meter
04-69-70256	MV cable, 15 kV, 1x185 mm ²	1000	meter
04-69-70257	Termination 36 kV, outdoor, 1x240 mm ²	8	set
04-69-70258	Termination 36 kV, indoor, 1x240 mm ²	12	set
04-69-70259	Termination 15 kV, indoor, 1x240 mm ²	7	set
04-69-70260	Termination 15 kV, outdoor, 1x185 mm ²	9	set
04-69-70261	Termination 15 kV, indoor, 1x185 mm ²	7	set
04-69-70262	33 kV, surge arrestors	24	piece(s)
04-69-70263	11 kV, surge arrestors	27	piece(s)
04-69-70264	Cable trays with all fixing anchor bolts	1	set
04-69-70265	Steel supports for MV cable terminations	1	set
04-69-70266	LV auxiliary cable, 0,6/1,0 kV, PVC, Copper, 1 x 185 sq.mm	500	meter
04-69-70267	LV auxiliary cable, 0,6/1,0 kV, PVC, Copper, 1 x 70 sq.mm	500	meter
04-69-70268	LV auxiliary cable, 0,6/1,0 kV, PVC, Copper, 2 x 70 sq.mm	500	meter
04-69-70269	LV auxiliary cable, 0,6/1,0 kV, PVC, Copper, 4 x 35 sq.mm	500	meter
04-69-70270	LV auxiliary cable, 0,6/1,0 kV, PVC, Copper, 4 x 50 sq.mm	500	meter
04-69-70271	LV auxiliary cable, 0,6/1,0 kV, PVC, Copper, 4 x 16 sq.mm	500	meter
04-69-70272	LV auxiliary cable, 0,6/1,0 kV, PVC, Copper, 4 x 6 sq.mm	3000	meter
04-69-70273	LV auxiliary cable, 0,6/1,0 kV, PVC, Copper, 2 x 6 sq.mm	1000	meter
04-69-70274	LV auxiliary cable, 0,6/1,0 kV, PVC, Copper, 4 x 4 sq.mm	1000	meter
04-69-70275	LV auxiliary cable, 0,6/1,0 kV, PVC, Copper, 4 x 2,5 sq.mm	1000	meter

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CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
04-69-70276	LV auxiliary cable, 0,6/1,0 kV, PVC, Copper, 3 x 2,5 sq.mm	1000	meter
04-69-70277	LV auxiliary cable, 0,6/1,0 kV, PVC, Copper, 2 x 2,5 sq.mm	1000	meter
04-69-70278	LV auxiliary cable, 0,6/1,0 kV, PVC, Copper, 2 x 4 sq.mm	1000	meter
04-69-70279	Control cable 0,6/1,0 kV, PVC, Copper, 4 x 2,5/2,5 sq.mm	6000	meter
04-69-70280	Control cable 0,6/1,0 kV, PVC, Copper, 6 x 2,5/2,5 sq.mm	3000	meter
04-69-70281	Control cable 0,6/1,0 kV, PVC, Copper, 12x 2,5/4 sq.mm	500	meter
04-69-70282	Control cable 0,6/1,0 kV, PVC, Copper, 16 x 2,5/6 sq.mm	500	meter
04-69-70283	Control cable 0,6/1,0 kV, PVC, Copper, 21 x 2,5/10 sq.mm	500	meter
04-69-70284	Control cable 0,6/1,0 kV, PVC, Copper, 3 x 2,5 sq.mm	500	meter
04-69-70285	Control cable 0,6/1,0 kV, PVC, Copper, 9 x 1,5/2,5 sq.mm	500	meter
04-69-70286	Cable trays with all necessary anchor bolts	1	set
04-69-70287	All other necessary material for marking and fixing.	1	set
04-69-70288	LV AC Distribution Panels	1	piece(s)
04-69-70289	110V DC Distribution Panels for One Battery	1	piece(s)
04-69-70290	110V Battery	1	set
04-69-70291	Battery Charger	1	set
04-69-70292	Battery link box	1	set
04-69-70293	Control Panel - 33 kV Switchgear (5 Feeders-One Panel)	1	set
04-69-70294	Control Panels - 11 kV Switchgear (13 Feeders-Two Panels)	1	set
04-69-70295	On Load Tap Changer Control (O.L.T.C.) Panel	2	piece(s)
04-69-70296	Signalling Panel - Common Signals	1	piece(s)
04-69-70297	Metering Panel - for Six 11 kV Feeders	1	piece(s)
04-69-70298	Substation Earthing and Lightning Protection material, if any	1	set
04-69-70299	Lighting and LV Power Supply Equipment	1	set
04-69-70300	Air Conditioning and Heating System Equipment	1	set
04-69-70301	Fire Detection System and Fire Extinguishers	1	set
04-69-70302	Interface panel	1	set
04-69-70303	50 kVA, 400V, three phase, 0.8 PF DG set complete with all accessories	1	piece(s)
04-69-70304	Complete cabling, earthing etc.	1	set
04-69-70305	Standard Tool Box	1	set
04-69-70306	Special Tool Box for Switchgears	1	set
04-69-70307	Special Tool Box for Transformers	1	set
04-69-70308	Special Tool Box for Control and protection equipment	1	set
04-69-70309	Aux. transformer 11/0.4 kV, 250 kVA	2	piece(s)
04-69-70310	Steel structure with anchor bolts for up-rising cables to tr. Boxes	2	set
04-69-70311	11 kV neutral point earthing equipment and resistor with anchor bolts	2	piece(s)

AGENCY: UNDP - PHASE VII
 PROJECT: Z69 (Suleimaniyah Substations (stage 2))

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
04-69-70312	MV cable, 36 kV, 1x240 mm2	1000	meter
04-69-70313	MV cable, 15 kV, 1x 400mm2	500	meter
04-69-70314	MV cable, 15 kV, 1x185 mm2	1000	meter
04-69-70315	Termination 36 kV, outdoor, 1x240 mm2	8	set
04-69-70316	Termination 36 kV, indoor, 1x240 mm2	12	set
04-69-70317	Termination 15 kV, indoor, 1x 400mm2	7	set
04-69-70318	Termination 15 kV, outdoor, 1x185 mm2	9	set
04-69-70319	Termination 15 kV, indoor, 1x185 mm2	7	set
04-69-70320	33 kV, surge arrestors	24	piece(s)
04-69-70321	11 kV, surge arrestors	27	piece(s)
04-69-70322	Cable trays with all fixing anchor bolts	1	set
04-69-70323	Steel supports for MV cable terminations	1	set
04-69-70324	LV auxiliary cable, 0,6/1,0 kV, PVC, Copper, 1 x 185 sq.mm	500	meter
04-69-70325	LV auxiliary cable, 0,6/1,0 kV, PVC, Copper, 1 x 70 sq.mm	500	meter
04-69-70326	LV auxiliary cable, 0,6/1,0 kV, PVC, Copper, 4 x 35 sq.mm	500	meter
04-69-70327	LV auxiliary cable, 0,6/1,0 kV, PVC, Copper, 4 x 50 sq.mm	500	meter
04-69-70328	LV auxiliary cable, 0,6/1,0 kV, PVC, Copper, 4 x 16 sq.mm	500	meter
04-69-70329	LV auxiliary cable, 0,6/1,0 kV, PVC, Copper, 4 x 6 sq.mm	3000	meter
04-69-70330	LV auxiliary cable, 0,6/1,0 kV, PVC, Copper, 2 x 6 sq.mm	1000	meter
04-69-70331	LV auxiliary cable, 0,6/1,0 kV, PVC, Copper, 4 x 4 sq.mm	1000	meter
04-69-70332	LV auxiliary cable, 0,6/1,0 kV, PVC, Copper, 4 x 2,5 sq.mm	1000	meter
04-69-70333	LV auxiliary cable, 0,6/1,0 kV, PVC, Copper, 3 x 2,5 sq.mm	1000	meter
04-69-70334	LV auxiliary cable, 0,6/1,0 kV, PVC, Copper, 2 x 2,5 sq.mm	1000	meter
04-69-70335	LV auxiliary cable, 0,6/1,0 kV, PVC, Copper, 2 x 4 sq.mm	1000	meter
04-69-70336	Control cable 0,6/1,0 kV, PVC, Copper, 4 x 2,5/2,5 sq.mm	6000	meter
04-69-70337	Control cable 0,6/1,0 kV, PVC, Copper, 6 x 2,5/2,5 sq.mm	3000	meter
04-69-70338	Control cable 0,6/1,0 kV, PVC, Copper, 12x 2,5/4 sq.mm	500	meter
04-69-70339	Control cable 0,6/1,0 kV, PVC, Copper, 16 x 2,5/6 sq.mm	500	meter
04-69-70340	Control cable 0,6/1,0 kV, PVC, Copper, 21 x 2,5/10 sq.mm	500	meter
04-69-70341	Control cable 0,6/1,0 kV, PVC, Copper, 3 x 2,5 sq.mm	500	meter
04-69-70342	Control cable 0,6/1,0 kV, PVC, Copper, 9 x 1,5/2,5 sq.mm	500	meter
04-69-70343	Cable trays with all necessary anchor bolts	1	set
04-69-70344	All other necessary material for marking and fixing.	1	set
04-69-70345	LV AC Distribution Panels	1	piece(s)

AGENCY: UNDP - PHASE VII
PROJECT: Z69 (Suleimaniyah Substations (stage 2))

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
04-69-70346	110V DC Distribution Panels for One Battery	1	pc
04-69-70347	110V Battery	1	set
04-69-70348	Battery Charger	1	set
04-69-70349	Battery link box	1	set
04-69-70350	Auto-reclosing relay	7	set
04-69-70351	Auto-reclose ON/OFF selector switch	7	set
04-69-70352	Control Panel - 33 kV Switchgear (5 Feeders-One Panel)	1	piece(s)
04-69-70353	Control Panels - 11 kV Switchgear (13 Feeders-Two Panels)	1	set
04-69-70354	On Load Tap Changer Control (O.L.T.C.) Panel	2	piece(s)
04-69-70355	Signalling Panel - Common Signals	1	piece(s)
04-69-70356	Metering Panel - for One 33 kV Feeder	1	piece(s)
04-69-70357	Metering Panel - for Six 11 kV Feeders	1	piece(s)
04-69-70358	Substation Earthing and Lightning Protection material, if any	1	set
04-69-70359	Lighting and LV Power Supply Equipment - S/S Penjween	1	set
04-69-70360	Air Conditioning and Heating System Equipment - S/S Penjween	1	set
04-69-70361	Fire Detection System and Fire Extinguishers - S/S Penjween	1	set
04-69-70362	Interface panel	1	set
04-69-70363	50 kVA, 400V, three phase, 0.8 PF DG set complete with all accessories	1	piece(s)
04-69-70364	Complete cabling, earthing etc.	1	set
04-69-70365	Standard Tool Box	1	set
04-69-70366	Special Tool Box for Switchgears	1	set
04-69-70367	Special Tool Box for Transformers	1	set
04-69-70368	Special Tool Box for Control and protection equipment	1	set
04-69-70369	Power transformer 132/33 kV, 63 MVA	1	piece(s)
04-69-70370	Power transformer 33/11 kV, 16 MVA	3	piece(s)
04-69-70371	11 kV Neutral Point Earthing Resistor	2	piece(s)
04-69-70372	Power transformer 33/11 kV, 10 MVA	1	piece(s)
04-69-70373	Power transformer 132/6.3 kV, 6.3 MVA	1	piece(s)
04-69-70374	CB of 132 kV-Set of contacts	3	set
04-69-70375	CB of 132 kV-Set of gaskets	3	set
04-69-70376	CB of 132 kV-Closing coil	3	piece(s)
04-69-70377	CB of 132 kV-Tripping coil	3	piece(s)
04-69-70378	CB of 132 kV-Auxiliary contacts 6NO+6NC	3	set
04-69-70379	CB of 132 kV-Motor of drive	2	piece(s)
04-69-70380	CB of 132 kV-Closing spring	1	piece(s)
04-69-70381	CB of 132 kV-Tripping spring	3	piece(s)
04-69-70382	Disconnecter of 132 kV-Set of contacts	3	set
04-69-70383	Disconnecter of 132 kV-Motor of drive	2	piece(s)
04-69-70384	Disconnecter of 132 kV-Auxiliary contacts 6NO+6NC	3	set
04-69-70385	Disconnecter of 132 kV-Limit switch	3	piece(s)
04-69-70386	CVT of 132 kV-Set of gaskets	3	set
04-69-70387	Inductive VT of 132 kV-Set of gaskets	3	set
04-69-70388	CT of 132 kV-Set of gaskets	3	set
04-69-70389	Disconnecter of 33 kV-Set of contacts	1	set
04-69-70390	Disconnecter of 33 kV-Motor of drive	1	piece(s)

AGENCY: UNDP - PHASE VII
 PROJECT: Z69 (Suleimaniyah Substations (stage 2))

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
04-69-70391	Disconnecter of 33 kV-Auxiliary contacts 6NO+6NC	1	set
04-69-70392	Disconnecter of 33 kV-Limit switch	2	piece(s)
04-69-70393	CB)	5	set
04-69-70394	Indoor CB of 33 kV-Closing coil	5	piece(s)
04-69-70395	Indoor CB of 33 kV-Tripping coil	5	piece(s)
04-69-70396	Indoor CB of 33 kV-Auxiliary contacts 6NO+6NC	5	set
04-69-70397	Indoor CB of 33 kV-Motor of drive	3	piece(s)
04-69-70398	CB of 11 kV-Tripping coil	5	piece(s)
04-69-70399	CB of 11 kV-Closing coil	5	piece(s)
04-69-70400	CB of 11 kV-Auxiliary contacts 6NO+6NC	5	set
04-69-70401	CB of 11 kV-Motor of drive	3	piece(s)
04-69-70402	CB of 11 kV-3 vacuum bottles of each rated currents	1	set
04-69-70403	Indoor CT of 33 kV, 800-400/5/5 A	3	piece(s)
04-69-70404	Indoor CT of 33 kV, 800-400/5/5/5 A	3	piece(s)
04-69-70405	Indoor CT of 33 kV, 600-300/5/5 A	6	piece(s)
04-69-70406	Indoor VT of 33 kV	3	piece(s)
04-69-70407	Indoor CT of 11 kV, 1600-800/5/5/5 A for Said Sadiq S/S	6	piece(s)
04-69-70408	Indoor CT of 11 kV, 1600-800/5/5 A for Said Sadiq S/S	6	piece(s)
04-69-70409	Indoor CT of 11 kV, 300-150/5/5 A for Said Sadiq S/S	6	piece(s)
04-69-70410	Indoor CT of 11 kV, 60-30/5/5 A	6	piece(s)
04-69-70411	Indoor VT of 11 kV : 11/sqr 3 // 0.11/sqr3 // 0.11/3 kV for Said Sadiq S/A	6	piece(s)
04-69-70412	VT Fuse for Indoor VT of 11 kV for Said Sadiq S/S	6	piece(s)
04-69-70413	Earth Switch main contact of 11 kV for Said Sadiq S/S	6	piece(s)
04-69-70414	Bushing of 11 kV for Said Sadiq S/S	6	piece(s)
04-69-70415	Set of fixed and movable panels contact , 1 set for each rated current of 11 kV for Said Sadiq S/S	6	set
04-69-70416	Indoor CT of 11 kV, 1600-800/5/5/5 A	3	piece(s)
04-69-70417	Indoor CT of 11 kV, 1600-800/5/5 A	3	piece(s)
04-69-70418	Indoor CT of 11 kV, 300-150/5/5 A	6	piece(s)
04-69-70419	Indoor CT of 11 kV, 60-30/5/5 A	3	piece(s)
04-69-70420	Indoor VT of 11 kV	3	piece(s)
04-69-70421	VT fuse of 11 kV	3	piece(s)
04-69-70422	VT fuse of 33 kV	3	piece(s)
04-69-70423	33 kV Earthing switch main contacts	3	set
04-69-70424	11 kV Earthing switch main contacts	3	set
04-69-70425	33 kV Cubicle-3 bushings of each type	1	set
04-69-70426	11 kV Cubicle-3 bushings of each type	1	set
04-69-70427	type	1	set
04-69-70428	type	1	set
04-69-70429	33 kV Cubicle-3 sets of fixed contact of each type	1	set
04-69-70430	11 kV Cubicle-3 sets of fixed contact of each type	1	set
04-69-70431	33 kV Cubicle-3 sets of movable contact of each type	1	set

AGENCY: UNDP - PHASE VII
PROJECT: Z69 (Suleimaniyah Substations (stage 2))

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
04-69-70432	11 kV Cubicle-3 sets of movable contact of each type	1	set
04-69-70433	One main protection relay of each type	1	set
04-69-70434	Three tripping relay of each type	1	set
04-69-70435	Three auxiliary relay of each type	1	set
04-69-70436	One transducer of each type	1	set
04-69-70437	Three multifunction meter of each type	1	set
04-69-70438	Three control/selector switches of each type	1	set
04-69-70439	Three semaphore indicators of each type	1	set
04-69-70440	Three MCBs of each type	1	set
04-69-70441	One MCCB of each type	1	set
04-69-70442	One ammeter of each type	1	set
04-69-70443	One voltmeter of each type	1	set
04-69-70444	One MW-meter of each type	1	set
04-69-70445	One MVAr-meter of each type	1	set
04-69-70446	Annunciator	3	piece(s)
04-69-70447	Lamp of signalling lump	200	piece(s)
04-69-70448	Lamp of indoor luminaire	200	piece(s)
04-69-70449	Lamp of outdoor luminaire	50	piece(s)
04-69-70450	Spare parts for air conditioning system	1	set
04-69-70451	Smoke detector	10	piece(s)
04-69-70452	132 kV Bushing assembly complete including flange gasket	2	piece(s)
04-69-70453	33 kV Bushing assembly complete including flange gasket	2	piece(s)
04-69-70454	11 kV Bushing assembly complete including flange gasket	2	piece(s)
04-69-70455	6.3 kV Bushing assembly complete including flange gasket	1	piece(s)
04-69-70456	OLTC drive motor	2	piece(s)
04-69-70457	Set of glass for each type	2	set
04-69-70458	Temperature indicator	3	piece(s)
04-69-70459	Silicagel breather	3	piece(s)
04-69-70460	Silicagel	25	kg
04-69-70461	One gasket of every type and size	2	set
04-69-70462	Tyres	5	Each
04-69-70463	Scotch 23 HV Self Bonding Tape	50	Each
04-69-70464	Insulation oil for transformers "Lectroll"	26640	Each
04-69-70465	Silicagel Blue	600	Each
04-69-70466	Air filter for 30GF105 Chiller	4	Each
04-69-70467	Suniso 3GS compressor oil (gallons)	15	Each
04-69-70468	Freon gas R22 (Cylinders)	2	Each
04-69-70469	Leroy Somer Electric Motor LS112M1	1	Each
04-69-70470	Solenoid valve type MSP20G	1	Each
04-69-70471	Spare pts for Liquid Chiller Compresor 06E629910E-figures 7-11	1	Set
04-69-70472	Pistons	2	Each
04-69-70473	Piston rings	2	Each
04-69-70474	Gaskets	2	Each
04-69-70475	Bearings	2	Each
04-69-70476	Pressure switch for compressor	1	Each
04-69-70477	Sp. pts for Liquid Chiller Compresor 06E6275610E-figures 13-17	1	Set
04-69-70478	Pistons	2	Each

AGENCY: UNDP - PHASE VII
PROJECT: Z69 (Suleimaniyah Substations (stage 2))

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
04-69-70479	Piston rings	2	Each
04-69-70480	Gaskets	2	Each
04-69-70481	Bearings	2	Each
04-69-70482	Pressure switch for compressor	1	Each
04-69-70483	Semi Hermetic Compressor Model 06ET-299621-EE	1	Each
04-69-70484	Heavy Duty Safety Boots to DIN EN 345-1S3	15	Pair
04-69-70485	Permanent tools and equipment - figures (2 - 626)	1	Lot
04-69-70486	Switchgear interlock unit 8TJ2 / CB-module (11100)	4	piece(s)
04-69-70487	Maintenance kit for major overhaul circuit breaker (11200) - figures 4-52	18	Kit
04-69-70488	Usit-Ring 6,7x11x1	36	piece(s)
04-69-70489	O-Ring 7-1,5	18	piece(s)
04-69-70490	Usit-Ring 8,7x14x1	18	piece(s)
04-69-70491	Micro-switch-element	18	piece(s)
04-69-70492	Usit-Ring 7,3x10,2x1	18	piece(s)
04-69-70493	Usit-Ring 28,7x36x2	18	piece(s)
04-69-70494	Usit-Ring 28,7x37x2	18	piece(s)
04-69-70495	Warning label	36	piece(s)
04-69-70496	Usit-Ring 12,7x18x1,5	18	piece(s)
04-69-70497	O-Ring 12-1,5	18	piece(s)
04-69-70498	O-Ring 4-1,0	18	piece(s)
04-69-70499	Usit-Ring 6,7x11x1,0	18	piece(s)
04-69-70500	Usit-Ring 28,7x37x2	18	piece(s)
04-69-70501	O-Ring 9-1,5	18	piece(s)
04-69-70502	Hose	18	piece(s)
04-69-70503	Clip	36	piece(s)
04-69-70504	Clip	36	piece(s)
04-69-70505	Clip	36	piece(s)
04-69-70506	Usit-Ring 22,7x30x2	90	piece(s)
04-69-70507	O-Ring 7-1,5	36	piece(s)
04-69-70508	Cam (rubber)	18	piece(s)
04-69-70509	Usit-Ring 7,3x10,2x1	18	piece(s)
04-69-70510	Usit-Ring 8,7x14x1	18	piece(s)
04-69-70511	Usit-Ring 6,2x9,2x1	36	piece(s)
04-69-70512	O-Ring 62-3	18	piece(s)
04-69-70513	Usit-Ring 13,7x20x1,5	18	piece(s)
04-69-70514	O-Ring 64-3	18	piece(s)
04-69-70515	O-Ring 340-6	18	piece(s)
04-69-70516	O-Ring 32-4	36	piece(s)
04-69-70517	Sliding ring (Turcon)	36	piece(s)
04-69-70518	O-Ring 4,47-1,78	36	piece(s)
04-69-70519	Split-pin 2x10x5	36	piece(s)
04-69-70520	O-Ring 850-10	18	piece(s)
04-69-70521	Washer 21-140	432	piece(s)
04-69-70522	Washer 13-140	216	piece(s)
04-69-70523	Safety plate	108	piece(s)
04-69-70524	Spring washer A8	108	piece(s)
04-69-70525	Washer 25	486	piece(s)
04-69-70526	Locking nut	54	piece(s)
04-69-70527	Spring washer A12	108	piece(s)
04-69-70528	Washer 13	144	piece(s)
04-69-70529	Spring washer A16	144	piece(s)

AGENCY: UNDP - PHASE VII
PROJECT: Z69 (Suleimaniyah Substations (stage 2))

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
04-69-70530	O-Ring 1110-10	18	piece(s)
04-69-70531	O-Ring 398-8	18	piece(s)
04-69-70532	Filter bag	324	piece(s)
04-69-70533	Washer 17	432	piece(s)
04-69-70534	Gasket	18	piece(s)
04-69-70535	Soft rubber sealing (control unit) 3,5 mtr.	18	piece(s)
04-69-70536	Soft rubber sealing (control unit) 4 mtr.	18	piece(s)
04-69-70537	Set of Gaskets Piston Hydraulic Mechanism (11201) - figures 54-63	18	Set
04-69-70538	Gasket Polymy 40x49,5x9,5	18	piece(s)
04-69-70539	O-Ring 12-2	18	piece(s)
04-69-70540	Gasket 0,5x40-62-6	18	piece(s)
04-69-70541	O-Ring 54-3	18	piece(s)
04-69-70542	Hexagon bolt M12x50	72	piece(s)
04-69-70543	Safety washer M12	72	piece(s)
04-69-70544	Grease Molykote 150 gr	18	piece(s)
04-69-70545	Bolt M8x110	36	piece(s)
04-69-70546	Hexagon nut M8	72	piece(s)
04-69-70547	Distance pipe 10x2x5	18	piece(s)
04-69-70548	Outer sealing for SF6 (11202)	18	piece(s)
04-69-70549	Connection for hose oil-pump and filter (11203)	18	piece(s)
04-69-70550	Connection for hose oil-pump and filter (11204)	18	piece(s)
04-69-70551	Oil-Filter element (11205)	18	piece(s)
04-69-70552	Snap-Switch S800A (11206)	18	piece(s)
04-69-70553	Hydraulic Oil Aerofluid 4 (Each 20 Litre) (11207)	60	piece(s)
04-69-70554	O-Ring 398-8 (11208)	100	piece(s)
04-69-70555	O-Ring 622-8 (11209)	25	piece(s)
04-69-70556	O-Ring 700-10 (11210)	25	piece(s)
04-69-70557	O-Ring 200-6 (11211)	25	piece(s)
04-69-70558	Filter Bags (Delivery in tins each 6 bags); 250 gr (11212)	720	piece(s)
04-69-70559	Spring washer A16 (11213)	1000	piece(s)
04-69-70560	Corrosion prevention Tectyl 506; 0,5 kg (11214)	25	piece(s)
04-69-70561	Corrosion prevention Valvoline; 0,25 kg (11215)	25	piece(s)
04-69-70562	Vaseline; 0,25 kg (11216)	50	piece(s)
04-69-70563	Molykote Longterm 2 (11217)	20	piece(s)
04-69-70564	Centoplex (11218)	20	piece(s)
04-69-70565	Paint Cement grey RAL 7032 (11219)	10	piece(s)
04-69-70566	Cleaning rags (Each 1,0 kg) (11220)	100	piece(s)
04-69-70567	Cleaning paper (11221)	20	piece(s)
04-69-70568	Special cleaning fluid Type Aral 4005 (Each 2,5 Litre) (11222)	100	piece(s)
04-69-70569	Special cleaning fluid Type Haku 5067 (Each 1,0 Litre) (11223)	200	piece(s)
04-69-70570	Set Usit rings for SF6 (11224) - figures 87-94	2	Set

AGENCY: UNDP - PHASE VII
 PROJECT: Z69 (Suleimaniyah Substations (stage 2))

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
04-69-70571	Usit ring 6,7x11x1	30	piece(s)
04-69-70572	Usit ring 12,7x18x1,5	20	piece(s)
04-69-70573	Usit ring 16,7x24x1,5	6	piece(s)
04-69-70574	Usit ring 22,7x30x2	6	piece(s)
04-69-70575	Usit ring 28,7x37x2	10	piece(s)
04-69-70576	Usit ring 18,7x26x1,5	6	piece(s)
04-69-70577	Usit ring 10,35x16x2	6	piece(s)
04-69-70578	Box 18x18x13 cm	1	piece(s)
04-69-70579	Set Usit rings for Hydraulic (11225) - figures 96-108	2	Set
04-69-70580	Usit ring 5,7x9x1	4	piece(s)
04-69-70581	Usit ring 7,3x10,2x1	6	piece(s)
04-69-70582	Usit ring 8,5x13,4x1	4	piece(s)
04-69-70583	Usit ring 8,7x14x1	8	piece(s)
04-69-70584	Usit ring 8,7x16x1	4	piece(s)
04-69-70585	Usit ring 10,7x16x1,5	4	piece(s)
04-69-70586	Usit ring 13,7x20x1,5	4	piece(s)
04-69-70587	Usit ring 14,7x22x1,5	6	piece(s)
04-69-70588	Usit ring 17,4x24x1,5	6	piece(s)
04-69-70589	Usit ring 21,5x28,7x2,5	6	piece(s)
04-69-70590	Usit ring 27,2x36x2	2	piece(s)
04-69-70591	Usit ring 28,7x37x2	2	piece(s)
04-69-70592	Box 18x18x13 cm	1	piece(s)
04-69-70593	O-Ring 242-6 (11226)	20	piece(s)
04-69-70594	Personal protection set for SF6 (11227) - figures 111-116	10	Set
04-69-70595	Paper cap	20	piece(s)
04-69-70596	Paper cap for safety helmet	20	piece(s)
04-69-70597	Paper sleeve protector	20	piece(s)
04-69-70598	Vinyl gloves	40	piece(s)
04-69-70599	Paper-Overall Size: L	20	piece(s)
04-69-70600	Paper Overshoes Size: L	20	piece(s)
04-69-70601	Clamping plate (11228)	10	piece(s)
04-69-70602	SF6 filling & meas. device (11229)	1	piece(s)
04-69-70603	Funnel with filter (11230)	1	piece(s)
04-69-70604	Oil hose (11231)	1	piece(s)
04-69-70605	Toolbox f. C.B. maintenance (11232) - figures 122-344	2	Set
04-69-70606	2,5 dia. twist drill	8	piece(s)
04-69-70607	2,9 dia. twist drill	8	piece(s)
04-69-70608	3,2 dia. twist drill	8	piece(s)
04-69-70609	4,0 dia. twist drill	8	piece(s)
04-69-70610	4,2 dia. twist drill	8	piece(s)
04-69-70611	4,5 dia. twist drill	8	piece(s)
04-69-70612	5,0 dia. twist drill	4	piece(s)
04-69-70613	5,3 dia. twist drill	4	piece(s)
04-69-70614	6,0 dia. twist drill	4	piece(s)
04-69-70615	6,5 dia. twist drill	4	piece(s)
04-69-70616	7,0 dia. twist drill	4	piece(s)
04-69-70617	8,5 dia. twist drill	4	piece(s)
04-69-70618	9,0 dia. twist drill	4	piece(s)
04-69-70619	10,0 dia. twist drill	4	piece(s)
04-69-70620	11,0 dia. twist drill	2	piece(s)
04-69-70621	13,5 dia. twist drill	2	piece(s)

AGENCY: UNDP - PHASE VII
 PROJECT: Z69 (Suleimaniyah Substations (stage 2))

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
04-69-70622	1,9 dia. twist drill	8	piece(s)
04-69-70623	2,0 dia. twist drill	4	piece(s)
04-69-70624	3,9 dia. twist drill	4	piece(s)
04-69-70625	4,9 dia. twist drill	2	piece(s)
04-69-70626	5,9 dia. twist drill	2	piece(s)
04-69-70627	6,7 dia. twist drill	2	piece(s)
04-69-70628	7,9 dia. twist drill	2	piece(s)
04-69-70629	10,5 dia. twist drill	2	piece(s)
04-69-70630	12,0 dia. twist drill	2	piece(s)
04-69-70631	Steel wire brush 5-rowed	2	piece(s)
04-69-70632	Punch taper 3,0 dia.	4	piece(s)
04-69-70633	Punch taper 5,0 dia.	4	piece(s)
04-69-70634	Punch taper 8,0 dia.	4	piece(s)
04-69-70635	Cylindrical taper 2,0 dia.	2	piece(s)
04-69-70636	Cylindrical taper 3,0 dia.	2	piece(s)
04-69-70637	Cylindrical taper 4,0 dia.	2	piece(s)
04-69-70638	Cylindrical taper 6,0 dia.	2	piece(s)
04-69-70639	Cylindrical taper 8,0 dia.	2	piece(s)
04-69-70640	Punch with sleeve 2,8 dia.	2	piece(s)
04-69-70641	Magnetic search "universal"	2	piece(s)
04-69-70642	S-hooks-bending tool	4	piece(s)
04-69-70643	Flat file 250 mm, cut 1	2	piece(s)
04-69-70644	Round file 150 mm, cut 3	2	piece(s)
04-69-70645	Half-round file 150 mm, cut 3	2	piece(s)
04-69-70646	File handle 100	4	piece(s)
04-69-70647	File handle 120	2	piece(s)
04-69-70648	Thread file 0,8 - 3,0	2	piece(s)
04-69-70649	Tap M 4 Vkt. 3,4	2	piece(s)
04-69-70650	Tap M 5 Vkt. 4,9	2	piece(s)
04-69-70651	Tap M 6 Vkt. 4,9	2	piece(s)
04-69-70652	Tap M 8 Vkt. 4,9	2	piece(s)
04-69-70653	Tap M 10 Vkt. 5,5	2	piece(s)
04-69-70654	Tap M 12 Vkt. 7,0	2	piece(s)
04-69-70655	Tap M 16 Vkt. 9,0	2	piece(s)
04-69-70656	Threading die M 4/20 dia.	2	piece(s)
04-69-70657	Threading die M 5/20 dia.	2	piece(s)
04-69-70658	Threading die M 6/20 dia.	2	piece(s)
04-69-70659	Threading die M 8/25 dia.	2	piece(s)
04-69-70660	Threading die M 10/30 dia.	2	piece(s)
04-69-70661	Threading die M 12/38 dia.	2	piece(s)
04-69-70662	Threading die M 16/45 dia.	2	piece(s)
04-69-70663	Tap R 1/8" Vkt. sq. 5,5	2	piece(s)
04-69-70664	Tap R 1/4" Vkt. sq. 9,0	2	piece(s)
04-69-70665	Tap wrench adjustable size 3	2	piece(s)
04-69-70666	Stock with ratchet, 2,1 - 4,9	2	piece(s)
04-69-70667	Die stock 20/7	2	piece(s)
04-69-70668	Die stock 25/9	2	piece(s)
04-69-70669	Die stock 30/11	2	piece(s)
04-69-70670	Die stock 38/14	2	piece(s)
04-69-70671	Die stock 45/18	2	piece(s)
04-69-70672	Engineer's hammer 0,3 kg	2	piece(s)
04-69-70673	Plastic hammer 40 mm dia.	2	piece(s)
04-69-70674	Plastic hammer 60 mm dia.	2	piece(s)
04-69-70675	Electric soldering iron, 220 - 30, straight	2	piece(s)

AGENCY: UNDP - PHASE VII
 PROJECT: Z69 (Suleimaniyah Substations (stage 2))

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
04-69-70676	Spatula 60	2	piece(s)
04-69-70677	Double-ended spatula 15	2	piece(s)
04-69-70678	Flat chisel 200	2	piece(s)
04-69-70679	Centre punch 120 x 12	2	piece(s)
04-69-70680	Scriber	2	piece(s)
04-69-70681	Rule 2 m	2	piece(s)
04-69-70682	Try square 300 x 22/90°	2	piece(s)
04-69-70683	Slide caliper rule 150 with depth gauge	2	piece(s)
04-69-70684	Wooden spirit level 500	2	piece(s)
04-69-70685	Set of feeler gauges 0,05 - 1/0,1	2	piece(s)
04-69-70686	Voltage tester (DUSPOL)	2	piece(s)
04-69-70687	Paint brush 30 mm	2	piece(s)
04-69-70688	Heating element brush 1"	2	piece(s)
04-69-70689	Soldering brush, long	2	piece(s)
04-69-70690	Mirror with swivel joint	2	piece(s)
04-69-70691	Metal-cutting saw PUK	2	piece(s)
04-69-70692	Blades for metal-cutting saw PUK	10	piece(s)
04-69-70693	Emergency pocket with pipe	2	piece(s)
04-69-70694	Shett metal suirter oilcan	2	piece(s)
04-69-70695	Spindle-operated grease gun	2	piece(s)
04-69-70696	Connecting line with flat nozz.	2	piece(s)
04-69-70697	Connecting line with point	2	piece(s)
04-69-70698	Forced-fed grease gun 50 cm	2	piece(s)
04-69-70699	Goggles, light - clear	2	piece(s)
04-69-70700	Three square scraper, 150	2	piece(s)
04-69-70701	Flat scraper, 250	2	piece(s)
04-69-70702	Eng. wrench WAF 6 x 7	2	piece(s)
04-69-70703	Eng. wrench WAF 6 x 8	2	piece(s)
04-69-70704	Eng. wrench WAF 8 x 9	2	piece(s)
04-69-70705	Eng. wrench WAF 10 x 11	2	piece(s)
04-69-70706	Eng. wrench WAF 12 x 113	2	piece(s)
04-69-70707	Eng. wrench WAF 14 x 15	2	piece(s)
04-69-70708	Eng. wrench WAF 16 x 17	2	piece(s)
04-69-70709	Eng. wrench WAF 18 x 19	2	piece(s)
04-69-70710	Eng. wrench WAF 20 x 22	2	piece(s)
04-69-70711	Eng. wrench WAF 21 x 23	2	piece(s)
04-69-70712	Eng. wrench WAF 24 x 27	2	piece(s)
04-69-70713	Eng. wrench WAF 25 x 28	2	piece(s)
04-69-70714	Eng. wrench WAF 30 x 32	2	piece(s)
04-69-70715	Eng. wrench WAF 36 x 41	2	piece(s)
04-69-70716	Camp. Box end wrench SW 7	2	piece(s)
04-69-70717	Camp. Box end wrench SW 10	2	piece(s)
04-69-70718	Camp. Box end wrench SW 13	2	piece(s)
04-69-70719	Camp. Box end wrench SW 17	2	piece(s)
04-69-70720	Camp. Box end wrench SW 19	2	piece(s)
04-69-70721	Camp. Box end wrench SW 22	2	piece(s)
04-69-70722	Camp. Box end wrench SW 24	2	piece(s)
04-69-70723	10/11	2	piece(s)
04-69-70724	14/15	2	piece(s)
04-69-70725	18/19	2	piece(s)
04-69-70726	21/23	2	piece(s)
04-69-70727	25/28	2	piece(s)
04-69-70728	30/32	2	piece(s)
04-69-70729	36/41	2	piece(s)

AGENCY: UNDP - PHASE VII
 PROJECT: Z69 (Suleimaniyah Substations (stage 2))

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
04-69-70730	Free wheeling rachet 1/2"	4	piece(s)
04-69-70731	Svivel piece	2	piece(s)
04-69-70732	Extensions 120 mm	4	piece(s)
04-69-70733	Extensions 250 mm	4	piece(s)
04-69-70734	Socket wrench, socket 13	4	piece(s)
04-69-70735	Socket wrench, socket 17	4	piece(s)
04-69-70736	Socket wrench, socket 19	4	piece(s)
04-69-70737	Socket wrench, socket 22	2	piece(s)
04-69-70738	Socket wrench, socket 24	4	piece(s)
04-69-70739	Socket wrench, socket 27	4	piece(s)
04-69-70740	Socket wrench, socket 30	4	piece(s)
04-69-70741	Socket wrench, socket 32	4	piece(s)
04-69-70742	Hexagon socket wrench socket SW 4 mm	2	piece(s)
04-69-70743	Hexagon socket wrench socket SW 5 mm	2	piece(s)
04-69-70744	Hexagon socket wrench socket SW 6 mm	2	piece(s)
04-69-70745	Hexagon socket wrench socket SW 8 mm	2	piece(s)
04-69-70746	Hexagon socket wrench socket SW 10 mm	2	piece(s)
04-69-70747	Hexagon socket wrench socket SW 14 mm	2	piece(s)
04-69-70748	Hexagon socket wrench socket SW 17 mm	2	piece(s)
04-69-70749	Rachet reversible	2	piece(s)
04-69-70750	Extensions 50 mm	2	piece(s)
04-69-70751	Extensions 150 mm	2	piece(s)
04-69-70752	Universal joint	2	piece(s)
04-69-70753	Sliding handle	2	piece(s)
04-69-70754	Flexible handle	2	piece(s)
04-69-70755	Handle	2	piece(s)
04-69-70756	Adapter from 1/4" square to hex. 6,3 mm	2	piece(s)
04-69-70757	Screwdriver socket 4 mm	2	piece(s)
04-69-70758	Screwdriver socket 5 mm	2	piece(s)
04-69-70759	Recess / screwdriver 2,5 mm	2	piece(s)
04-69-70760	Recess / screwdriver 3 mm	2	piece(s)
04-69-70761	Recess / screwdriver 4 mm	2	piece(s)
04-69-70762	Recess / screwdriver 5 mm	2	piece(s)
04-69-70763	Recess / screwdriver 6 mm	2	piece(s)
04-69-70764	Socket 4 mm	2	piece(s)
04-69-70765	Socket 4,5 mm	2	piece(s)
04-69-70766	Socket 5 mm	2	piece(s)
04-69-70767	Socket 5,5 mm	2	piece(s)
04-69-70768	Socket 6 mm	2	piece(s)
04-69-70769	Socket 7 mm	2	piece(s)
04-69-70770	Socket 8 mm	2	piece(s)
04-69-70771	Socket 9 mm	2	piece(s)
04-69-70772	Socket 10 mm	2	piece(s)
04-69-70773	Socket 11 mm	2	piece(s)
04-69-70774	Socket 12 mm	2	piece(s)
04-69-70775	Socket 13 mm	2	piece(s)
04-69-70776	Socket 14 mm	2	piece(s)
04-69-70777	Hexagon socket wrench, width across flat 6/90-32	2	piece(s)
04-69-70778	Hexagon socket wrench, width across flat 8/100-36	2	piece(s)
04-69-70779	Hexagon socket wrench, width across flat 10/112-40	2	piece(s)

AGENCY: UNDP - PHASE VII
 PROJECT: Z69 (Suleimaniyah Substations (stage 2))

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
04-69-70780	Hexagon socket wrench, width across flat 17/160-60	2	piece(s)
04-69-70781	Hexagon socket wrench, width across flat 19/160-60	2	piece(s)
04-69-70782	5/300	2	piece(s)
04-69-70783	Hexagon socket wrench, width across flat 6/300	2	piece(s)
04-69-70784	Wrench, adjustable 300/55	2	piece(s)
04-69-70785	Screwdriver, insulated, 2,3 mm bl. Width	2	piece(s)
04-69-70786	Screwdriver, insulated, 3,5 mm bl. Width	4	piece(s)
04-69-70787	Screwdriver, insulated, 5,5 mm bl. Width	2	piece(s)
04-69-70788	Screwdriver, insulated, 7,0 mm bl. Width	2	piece(s)
04-69-70789	Screwdriver, insulated, 10,0 mm bl. Width	2	piece(s)
04-69-70790	Screwdriver, insulated, 13,0 mm bl. Width	2	piece(s)
04-69-70791	Screwdriver, insulated, 80 x 3,0 mm bl. Width	2	piece(s)
04-69-70792	Offset screwdriver 2/4 x 4	2	piece(s)
04-69-70793	Offset screwdriver 2/6 x 6	2	piece(s)
04-69-70794	Offset screwdriver 2/8 x 8	2	piece(s)
04-69-70795	Offset screwdriver 2/10 x 12	2	piece(s)
04-69-70796	Terminal screwdriver 4	2	piece(s)
04-69-70797	TORX-screwdriver (haft magnetical)	2	piece(s)
04-69-70798	TORX-screwdriver (haft magnetical), bit TX6	2	piece(s)
04-69-70799	TORX-screwdriver (haft magnetical), bit TX7	2	piece(s)
04-69-70800	TORX-screwdriver (haft magnetical), bit TX8	2	piece(s)
04-69-70801	TORX-screwdriver (haft magnetical), bit TX10	2	piece(s)
04-69-70802	TORX-screwdriver (haft magnetical), bit TX15	2	piece(s)
04-69-70803	TORX-screwdriver (haft magnetical), bit TX20	2	piece(s)
04-69-70804	TORX-screwdriver (haft magnetical), bit TX25	2	piece(s)
04-69-70805	TORX-screwdriver (haft magnetical), bit TX30	2	piece(s)
04-69-70806	TORX-screwdriver (haft magnetical), bit TX40	2	piece(s)
04-69-70807	Multi-purpose plate shears	2	piece(s)
04-69-70808	Solder FLUITIN 1 dia.	2	piece(s)
04-69-70809	Toolbox red	2	piece(s)
04-69-70810	Chain nose side cutting pliers 180 mm	2	piece(s)
04-69-70811	Side cutting pliers 180 mm	2	piece(s)
04-69-70812	Screwdriver 0,6 x 2,8 x 75 mm	2	piece(s)
04-69-70813	Screwdriver 0,5 x 3,5 x 100 mm	2	piece(s)
04-69-70814	Screwdriver 1,0 x 4,5 x 125 mm	2	piece(s)
04-69-70815	Screwdriver 0,8 x 5,5 x 125 mm	2	piece(s)
04-69-70816	Screwdriver 6,5 x 150 mm	2	piece(s)
04-69-70817	Flat nose plier 140 mm	2	piece(s)
04-69-70818	Combination plier 160	2	piece(s)
04-69-70819	Water-pump nut plier	2	piece(s)
04-69-70820	Telephone linesman's plier	2	piece(s)
04-69-70821	Power cutter 140	2	piece(s)
04-69-70822	Circlip plier A 2/26 - 70	2	piece(s)
04-69-70823	Circlip plier A 11/10 - 25	2	piece(s)
04-69-70824	Circlip plier J 3/50 - 100	2	piece(s)
04-69-70825	Circlip plier J 11/9 - 25	2	piece(s)
04-69-70826	Circlip plier J 31/50 - 100	2	piece(s)
04-69-70827	Cable knife	2	piece(s)
04-69-70828	Tin opener	2	piece(s)
04-69-70829	Set of Torque Wrench ZAKO (11233) - figures 346-365	1	Set
04-69-70830	Wooden box	1	piece(s)

AGENCY: UNDP - PHASE VII
PROJECT: Z69 (Suleimaniyah Substations (stage 2))

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
04-69-70831	Torque wrench 40-140 Nm	1	piece(s)
04-69-70832	Plug-on ratchet 1/2"	1	piece(s)
04-69-70833	Torque wrench 80-240 Nm	1	piece(s)
04-69-70834	Plug-on ratchet 1/2"	1	piece(s)
04-69-70835	Ring spanner socket size 19	1	piece(s)
04-69-70836	Extension 75 1/2"	1	piece(s)
04-69-70837	Extension 125 1/2"	1	piece(s)
04-69-70838	Extension 250 1/2"	1	piece(s)
04-69-70839	Socket wrench socket size 19	1	piece(s)
04-69-70840	Socket wrench socket size 24	1	piece(s)
04-69-70841	Socket wrench socket size 24/80	1	piece(s)
04-69-70842	Allen key socket size 8 polished	1	piece(s)
04-69-70843	Allen key socket size 8	1	piece(s)
04-69-70844	Torque wrench 20-100 Nm	1	piece(s)
04-69-70845	Fork spanner size 14	1	piece(s)
04-69-70846	Fork spanner size 17	1	piece(s)
04-69-70847	Cock foot-spanner size 22 3/8"	1	piece(s)
04-69-70848	Cock foot-spanner size 24 3/8"	1	piece(s)
04-69-70849	Reducer 1/2" J-3/8"A	1	piece(s)
04-69-70850	Precision manometer 400 bar (11234)	1	piece(s)
04-69-70851	377	1	Set
04-69-70852	Toolbox	1	piece(s)
04-69-70853	Connector R 1/4"A-R 1/4"A	1	piece(s)
04-69-70854	Connector R 1/4"A-R 3/8"A IK	1	piece(s)
04-69-70855	Connector R 1/4"A-R 1/4"A	1	piece(s)
04-69-70856	Connector R 1 1/4"A-R 1 1/4"A	1	piece(s)
04-69-70857	Connector R 1 1/4"-R 3/4" I	1	piece(s)
04-69-70858	Connector R 1 1/4"A-R 1" I 90 Bogen	1	piece(s)
04-69-70859	Connector DN20 I-spring/DN20 A-nut with DN8 / 1/4"	1	piece(s)
04-69-70860	Connector R 1/4"a-Dilo DN8	1	piece(s)
04-69-70861	Connector R 1 1/4"A-Dilo DN20	1	piece(s)
04-69-70862	Multirange instrument Multizet S (11236)	2	piece(s)
04-69-70863	Test lead 2m red (11237)	5	piece(s)
04-69-70864	Test lead 2m black (11237)	5	piece(s)
04-69-70865	Case with small parts (11238) - figures 382-397	1	Case
04-69-70866	Plastic box	1	piece(s)
04-69-70867	Safety adapter	10	piece(s)
04-69-70868	Tapping clamp	6	piece(s)
04-69-70869	Tapping clamp small	4	piece(s)
04-69-70870	Miniature clamp-type test prod	2	piece(s)
04-69-70871	Suprafix plug	20	piece(s)
04-69-70872	Clamp-type test prod	6	piece(s)
04-69-70873	Test prod large	2	piece(s)
04-69-70874	Couples	16	piece(s)
04-69-70875	Angle socket small	20	piece(s)
04-69-70876	Tip jack long	10	piece(s)
04-69-70877	Tip jack short	20	piece(s)
04-69-70878	Terminal block adapter	4	piece(s)
04-69-70879	Reducer	6	piece(s)
04-69-70880	Adapter	6	piece(s)
04-69-70881	Cable coupler	6	piece(s)

AGENCY: UNDP - PHASE VII
PROJECT: Z69 (Suleimaniyah Substations (stage 2))

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
04-69-70882	Pressure gauge frame (11239)	1	piece(s)
04-69-70883	(11240)	1	piece(s)
04-69-70884	Hygrometer Type MTS5 (11241)	1	piece(s)
04-69-70885	Manometer 0-10 Bar (11242)	1	piece(s)
04-69-70886	Vacuum Cleaner (11243)	1	piece(s)
04-69-70887	Closing device (11244)	1	piece(s)
04-69-70888	Thermometer -10 to +100 C (11245)	2	piece(s)
04-69-70889	SF6-Gas leakage detector (11246)	3	piece(s)
04-69-70890	Maintenance kit for Siemens SF6-Gas handling unit (11248) - figures 407-428	1	Kit
04-69-70891	Centering ring with filter NW40	1	piece(s)
04-69-70892	Centering ring with filter NW25	2	piece(s)
04-69-70893	O-Ring 12,29x3,53	1	piece(s)
04-69-70894	O-Ring 38x3	4	piece(s)
04-69-70895	O-Ring 38x4	1	piece(s)
04-69-70896	O-Ring 124x4	7	piece(s)
04-69-70897	O-Ring 130x6	1	piece(s)
04-69-70898	O-Ring 140x6	1	piece(s)
04-69-70899	Usit-Ring 6,7x11x1	3	piece(s)
04-69-70900	Usit-Ring 8,5x13,4x1	2	piece(s)
04-69-70901	Usit-Ring 12,7x18x1,5	10	piece(s)
04-69-70902	Usit-Ring 14,7x22x1,5	1	piece(s)
04-69-70903	Usit-Ring 16,7x24x1,5	1	piece(s)
04-69-70904	Usit-Ring 20,7x28x1,5	1	piece(s)
04-69-70905	Usit-Ring 22,7x30x2	1	piece(s)
04-69-70906	Usit-Ring 28,7x37x2	3	piece(s)
04-69-70907	Cellular rubber	7	piece(s)
04-69-70908	DANFOSS-diaphragm replacement	11	piece(s)
04-69-70909	Gasket for S25 B	1	piece(s)
04-69-70910	Solid filter-material	4	piece(s)
04-69-70911	Molecular filter in tins (each 1,9 kg)	5	piece(s)
04-69-70912	FUCHS-Oil KM	5	piece(s)
04-69-70913	N2-Storage charger (11249)	1	piece(s)
04-69-70914	Set of torque wrench 8-40 Nm (11250) - figures 431-449	1	Set
04-69-70915	Metal box	1	piece(s)
04-69-70916	Plug-on ratchet for clockwise rotation 3/8"	1	piece(s)
04-69-70917	Extension 100	1	piece(s)
04-69-70918	Extension 200	1	piece(s)
04-69-70919	Socket-wrench socket size 4	1	piece(s)
04-69-70920	Socket-wrench socket size 5	1	piece(s)
04-69-70921	Socket-wrench socket size 6	1	piece(s)
04-69-70922	Socket-wrench socket size 8	1	piece(s)
04-69-70923	Hexagonal socket-wrench socket size 8	1	piece(s)
04-69-70924	Hexagonal socket-wrench socket size 10	1	piece(s)
04-69-70925	Hexagonal socket-wrench socket size 11	1	piece(s)

AGENCY: UNDP - PHASE VII
 PROJECT: Z69 (Suleimaniyah Substations (stage 2))

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
04-69-70926	Hexagonal socket-wrench socket size 13	1	piece(s)
04-69-70927	Hexagonal socket-wrench socket size 14	1	piece(s)
04-69-70928	Hexagonal socket-wrench socket size 15	1	piece(s)
04-69-70929	Hexagonal socket-wrench socket size 16	1	piece(s)
04-69-70930	Hexagonal socket-wrench socket size 17	1	piece(s)
04-69-70931	Hexagonal socket-wrench socket size 18	1	piece(s)
04-69-70932	Hexagonal socket-wrench socket size 19	1	piece(s)
04-69-70933	Torque wrench 8-40 Nm self-releasing	1	piece(s)
04-69-70934	Set of torque wrench 20-120 Nm (11251) - figures 451-470	1	Set
04-69-70935	Metal box	1	piece(s)
04-69-70936	Plug-on ratchet for clockwise rotation 1/2"	1	piece(s)
04-69-70937	Extension 75	1	piece(s)
04-69-70938	Extension 125	1	piece(s)
04-69-70939	Extension 250	1	piece(s)
04-69-70940	Socket-wrench socket size 6	1	piece(s)
04-69-70941	Socket-wrench socket size 8	1	piece(s)
04-69-70942	Socket-wrench socket size 10	1	piece(s)
04-69-70943	Socket-wrench socket size 12	1	piece(s)
04-69-70944	Hexagonal socket-wrench socket size 11	1	piece(s)
04-69-70945	Hexagonal socket-wrench socket size 13	1	piece(s)
04-69-70946	Hexagonal socket-wrench socket size 14	1	piece(s)
04-69-70947	Hexagonal socket-wrench socket size 16	1	piece(s)
04-69-70948	Hexagonal socket-wrench socket size 17	1	piece(s)
04-69-70949	Hexagonal socket-wrench socket size 18	1	piece(s)
04-69-70950	Hexagonal socket-wrench socket size 19	1	piece(s)
04-69-70951	Hexagonal socket-wrench socket size 21	1	piece(s)
04-69-70952	Hexagonal socket-wrench socket size 22	1	piece(s)
04-69-70953	Hexagonal socket-wrench socket size 24	1	piece(s)
04-69-70954	Torque wrench 140-760 Nm self-releasing	1	piece(s)
04-69-70955	Set of torque wrench 140-760 Nm (11252) - figures 472-486	1	Set
04-69-70956	Metal box	1	piece(s)
04-69-70957	Plug-on ratchet for clockwise rotation 3/4"	1	piece(s)
04-69-70958	Extension 200	1	piece(s)
04-69-70959	Extension 400	1	piece(s)
04-69-70960	Hexagonal socket-wrench socket size 21	1	piece(s)
04-69-70961	Hexagonal socket-wrench socket size 22	1	piece(s)
04-69-70962	Hexagonal socket-wrench socket size 24	1	piece(s)
04-69-70963	Hexagonal socket-wrench socket size 27	1	piece(s)
04-69-70964	Hexagonal socket-wrench socket size 30	1	piece(s)
04-69-70965	Hexagonal socket-wrench socket size 32	1	piece(s)
04-69-70966	Hexagonal socket-wrench socket size 34	1	piece(s)
04-69-70967	Hexagonal socket-wrench socket size 36	1	piece(s)
04-69-70968	Hexagonal socket-wrench socket size 41	1	piece(s)
04-69-70969	Hexagonal socket-wrench socket size 46	1	piece(s)
04-69-70970	Torque wrench 140-760 Nm self-releasing	1	piece(s)
04-69-70971	Withdrawal facility for circuit breaker (11253)	1	piece(s)
04-69-70972	SF6-Gas (Bottle of 40 kg SF6-Gas) 21100	16	piece(s)
04-69-70973	Solenoid Y1, 220 kV 21200	5	piece(s)
04-69-70974	Solenoid Y2, 220 kV 21300	5	piece(s)
04-69-70975	Tripping Coil for C.B. 21400	5	piece(s)
04-69-70976	Nitrogen N2 (Bottle) 21500	1	piece(s)

AGENCY: UNDP - PHASE VII
 PROJECT: Z69 (Suleimaniyah Substations (stage 2))

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
04-69-70977	Tin with filters 21600	50	piece(s)
04-69-70978	Counter 21900	1	piece(s)
04-69-70979	Hydraulic pump 21901	2	piece(s)
04-69-70980	Motor 21902	1	piece(s)
04-69-70981	Gauge 600 bar 21903	1	piece(s)
04-69-70982	Safety valve 21904	2	piece(s)
04-69-70983	Pressure switch 21905	2	piece(s)
04-69-70984	Pressure release valve 21906	2	piece(s)
04-69-70985	Density monitor 21907	2	piece(s)
04-69-70986	Gauge SF6 21908	1	piece(s)
04-69-70987	Set of gaskets for hydraulic operating mechanism (21909) - figures 504-544	2	Set
04-69-70988	O-Ring 54-3	20	piece(s)
04-69-70989	O-Ring 20,2 - 3	10	piece(s)
04-69-70990	Usitring 13,7 x 20 x 1,5	80	piece(s)
04-69-70991	O-Ring 20 - 2	10	piece(s)
04-69-70992	O-Ring 340 - 6	10	piece(s)
04-69-70993	O-Ring 32 - 4	20	piece(s)
04-69-70994	O-Ring 62 -3	10	piece(s)
04-69-70995	Rubber Round 10	10	piece(s)
04-69-70996	O-Ring 88 - 6	20	piece(s)
04-69-70997	O-Ring 18 - 3,15	70	piece(s)
04-69-70998	Support ring 24 - 2,6 - 1,0	40	piece(s)
04-69-70999	Support ring 8 - 1167	20	piece(s)
04-69-71000	Usitring 17,4 x 24 x 1,5	10	piece(s)
04-69-71001	Pison ring	10	piece(s)
04-69-71002	O-Ring 62,87 - 5,33	10	piece(s)
04-69-71003	Support ring 8 - 333	20	piece(s)
04-69-71004	Ring	20	piece(s)
04-69-71005	Sealing ring	10	piece(s)
04-69-71006	O-Ring 78 - 3	10	piece(s)
04-69-71007	O-Ring 12 - 2	100	piece(s)
04-69-71008	Sealing BABSL	12	piece(s)
04-69-71009	Sealing POLYMYD	35	piece(s)
04-69-71010	Piston ring TURCITE	10	piece(s)
04-69-71011	O-Ring 618 - 5	10	piece(s)
04-69-71012	Support ring 8 - 214	20	piece(s)
04-69-71013	O-Ring 35,15 - 3,15	20	piece(s)
04-69-71014	Usitring 7,3 x 10,2 x 1	60	piece(s)
04-69-71015	O-Ring 23,4 - 3,5	10	piece(s)
04-69-71016	Sliding ring with O-Ring	20	piece(s)
04-69-71017	Support ring 42 - 2,6	10	piece(s)
04-69-71018	Support ring	10	piece(s)
04-69-71019	Ring	10	piece(s)
04-69-71020	Support ring	20	piece(s)
04-69-71021	Nut CLEVELOC	60	piece(s)
04-69-71022	O-Ring 13,94 - 2,62	10	piece(s)
04-69-71023	Support ring 8 - 113	20	piece(s)
04-69-71024	O-Ring 7 - 1,5	20	piece(s)
04-69-71025	Sliding ring without O-Ring	20	piece(s)
04-69-71026	O-Ring 18,7 - 2,65	20	piece(s)
04-69-71027	O-Ring 4,47 - 1,78	20	piece(s)
04-69-71028	Usitring 6,2 x 9,2 x 1	10	piece(s)

AGENCY: UNDP - PHASE VII
 PROJECT: Z69 (Suleimaniyah Substations (stage 2))

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
04-69-71029	Rupture diaphragm CB 21910	1	piece(s)
04-69-71030	Rupture diaphragm isolator 21911	1	piece(s)
04-69-71031	O-Ring 100 - 4 for rupture diaphragm 21912	2	piece(s)
04-69-71032	21913) - figures 549-564	2	Set
04-69-71033	O-Ring	2	piece(s)
04-69-71034	O-Ring	2	piece(s)
04-69-71035	Usitring	8	piece(s)
04-69-71036	Usitring	2	piece(s)
04-69-71037	Usitring	2	piece(s)
04-69-71038	Sealing ring	2	piece(s)
04-69-71039	O-Ring	2	piece(s)
04-69-71040	O-Ring	2	piece(s)
04-69-71041	O-Ring	2	piece(s)
04-69-71042	Usitring	8	piece(s)
04-69-71043	O-Ring	2	piece(s)
04-69-71044	Guiding ring	2	piece(s)
04-69-71045	Ring	4	piece(s)
04-69-71046	Tin of Centoplex	2	piece(s)
04-69-71047	Tin of Molykote	2	piece(s)
04-69-71048	Tube of Terostat	2	piece(s)
04-69-71049	Voltage transformer 21915	1	piece(s)
04-69-71050	Lip seal 21916	20	piece(s)
04-69-71051	Hydraulic unit 21917	1	piece(s)
04-69-71052	Contact relay 21918	30	piece(s)
04-69-71053	Post insulator 21919	3	piece(s)
04-69-71054	Operating rod 21920	3	piece(s)
04-69-71055	Guide 21921	3	piece(s)
04-69-71056	Contact tube 21922	3	piece(s)
04-69-71057	Guide tube 21923	3	piece(s)
04-69-71058	Blast cylinder 21924	3	piece(s)
04-69-71059	Driving rod 21925	1	piece(s)
04-69-71060	Switchgear 6,3 kV - figures 577-602	1	Set
04-69-71061	(24100)	3	piece(s)
04-69-71062	Vacuum pipe 1250 A (24100)	3	piece(s)
04-69-71063	Trip relay 3AX (22101)	2	piece(s)
04-69-71064	Current transformer 600 A (24200)	1	piece(s)
04-69-71065	Current transormer 100 A (24201)	1	piece(s)
04-69-71066	Current transormer 60/1 A (24202)	1	piece(s)
04-69-71067	Voltage transformer 100 VA (24300)	1	piece(s)
04-69-71068	Tellus 32 oil (24400)	2	piece(s)
04-69-71069	Centoplex 24 (24400)	2	piece(s)
04-69-71070	Contact relay 3NO+1NC (24401)	5	piece(s)
04-69-71071	Diode 1A/1000V (24402)	100	piece(s)
04-69-71072	Circuit breaker 3 A (24403)	2	piece(s)

AGENCY: UNDP - PHASE VII
PROJECT: Z69 (Suleimaniyah Substations (stage 2))

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
04-69-71073	Lamp 2,5 W (24404)	200	piece(s)
04-69-71074	Min.circuit breaker 3 A (24405)	2	piece(s)
04-69-71075	Min.circuit breaker 6 A (24406)	2	piece(s)
04-69-71076	Min.circuit breaker 2 A (24407)	2	piece(s)
04-69-71077	(24408)	2	piece(s)
04-69-71078	Auxil. Contact 1NO+1NC (24409)	2	piece(s)
04-69-71079	Contactory relay 2NO+2NC (24410)	5	piece(s)
04-69-71080	(24411)	2	piece(s)
04-69-71081	Auxil. Contact 1NO+1NC (24412)	2	piece(s)
04-69-71082	Circuit breaker 25 A (24413)	2	piece(s)
04-69-71083	Incandescent lamp 4 W (24414)	200	piece(s)
04-69-71084	Circuit breaker 3 A (24415)	2	piece(s)
04-69-71085	(24416)	5	piece(s)
04-69-71086	(24417)	2	piece(s)
04-69-71087	Spares for recorder 7ND2123 - figures 604-610	1	Lot
04-69-71088	Ink paper (26300)	100	piece(s)
04-69-71089	Blue ink (26301)	10	piece(s)
04-69-71090	Red ink (26302)	10	piece(s)
04-69-71091	Green ink (26303)	10	piece(s)
04-69-71092	Recording pen short (26304)	5	piece(s)
04-69-71093	(26305)	5	piece(s)
04-69-71094	Recording pen long (26306)	5	piece(s)
04-69-71095	Bushing plate for CB - (figures 612-626)	1	Lot
04-69-71096	Bushing complete	1	piece(s)
04-69-71097	Flange connection	2	piece(s)
04-69-71098	Shackle	4	piece(s)
04-69-71099	Circular sling	6	piece(s)
04-69-71100	Eye screw	2	piece(s)
04-69-71101	Foil 50m	1	piece(s)
04-69-71102	Flat lifting sling 6m	2	piece(s)
04-69-71103	Adhesive tape	10	piece(s)
04-69-71104	Gasket 622-8	4	piece(s)
04-69-71105	Gasket 602-8	5	piece(s)
04-69-71106	Gasket 700-10	1	piece(s)
04-69-71107	Gasket 398-8	3	piece(s)
04-69-71108	Gasket 242-6	3	piece(s)
04-69-71109	Set of taps M30	1	piece(s)
04-69-71110	Vacuum meter	1	piece(s)
04-69-71111	Remote Control Centre Interface Panel	1	Set
04-69-71112	Bus Zone Relays	2	Set
04-69-71113	Ring type CTs	12	piece(s)
04-69-71114	Capacitive voltage transformer	6	piece(s)

AGENCY: UNDP - PHASE VII
PROJECT: Z69 (Suleimaniyah Substations (stage 2))

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
04-69-71115	132 kV Disconnecter with earthing switch, 1250 A	2	piece(s)
04-69-71116	132 kV Current transformer, 600-300/5/5/5, 1200/5/5 A	6	piece(s)
04-69-71117	132 kV Circuit breaker, 1250 A	2	piece(s)
04-69-71118	132 kV Disconnecter, 1250 A	4	piece(s)
04-69-71119	VT MCB boxes	2	piece(s)
04-69-71120	Marshalling box with anchor bolts	2	piece(s)
04-69-71121	Steel structures , anchor bolts and templates	2	Set
04-69-71122	ACSR conductor	2	Set
04-69-71123	Clamps	2	Set
04-69-71124	bolts, nuts, screws	2	Set
04-69-71125	Insulators	2	Set
04-69-71126	Suspension and jointing equipment	2	Set
04-69-71127	132 kV Current transformer, 1200-600/5/5/5/, 1200/5/5 A	3	piece(s)
04-69-71128	132 kV Circuit breaker, 1250 A	1	piece(s)
04-69-71129	132 kV Disconnecter, 1250 A	2	piece(s)
04-69-71130	VT MCB boxes	1	piece(s)
04-69-71131	Marshalling box with anchor bolts	1	piece(s)
04-69-71132	Steel structures , anchor bolts and templates	1	Set
04-69-71133	ACSR conductor	1	Set
04-69-71134	Clamps	1	Set
04-69-71135	bolts, nuts, screws	1	Set
04-69-71136	Insulators	1	Set
04-69-71137	Suspension and jointing equipment	1	Set
04-69-71138	Capacitive voltage transformer	3	piece(s)
04-69-71139	132 kV Disconnecter, 1250 A	1	piece(s)
04-69-71140	VT MCB boxes	1	piece(s)
04-69-71141	Marshalling box with anchor bolts	1	piece(s)
04-69-71142	Steel structures , anchor bolts and templates	1	Set
04-69-71143	ACSR conductor	1	Set
04-69-71144	Clamps	1	Set
04-69-71145	bolts, nuts, screws	1	Set
04-69-71146	Insulators	1	Set
04-69-71147	Suspension and jointing equipment	1	Set
04-69-71148	Steel structures , anchor bolts and templates	1	Set
04-69-71149	ACSR conductor	1	Set
04-69-71150	Clamps	1	Set
04-69-71151	bolts, nuts, screws	1	Set
04-69-71152	Insulators	1	Set
04-69-71153	Suspension and jointing equipment	1	Set
04-69-71154	132 kV Disconnecter, 1250 A	4	piece(s)
04-69-71155	Steel structures , anchor bolts and templates	4	Set
04-69-71156	ACSR conductor	4	Set
04-69-71157	Clamps	4	Set
04-69-71158	bolts, nuts, screws	4	Set
04-69-71159	Insulators	4	Set
04-69-71160	Suspension and jointing equipment	4	Set
04-69-71161	Relay Panel - 132 kV OH Feeder	2	Set
04-69-71162	Control Panels	2	Set
04-69-71163	Relay Panel - 132 kV Bus Coupler Feeder	1	Set
04-69-71164	Control discrepancy switch for CB	1	piece(s)
04-69-71165	disconnectors	3	piece(s)

AGENCY: UNDP - PHASE VII
 PROJECT: Z69 (Suleimaniyah Substations (stage 2))

CODE	DESCRIPTION	QUANTITY	UNIT OF MEASURE
04-69-71166	Ammeter	1	piece(s)
04-69-71167	Ammeter selector switch	1	piece(s)
04-69-71168	Voltmeter	1	piece(s)
04-69-71169	Voltmeter selector switch	1	piece(s)
04-69-71170	Name plates	1	Set
04-69-71171	Mimic diagram	1	Set
04-69-71172	Multifunction energy meters, type "PROMETER"	2	piece(s)
04-69-71173	Control cables	1	Set
04-69-71174	Installation materials	1	Set
04-69-71175	Name plates	1	Set
04-69-71176	33 kV Outgoing Panel with necessary material	2	Set
04-69-71177	Control cables for connection to existing equipment	1	Set
04-69-71178	Residual Overvoltage Relays type SPAU 110 C	2	piece(s)
04-69-71179	Auxiliary Relays	6	piece(s)
04-69-71180	Compaq Evo D310 P4 2.0A GHZ	9	Each