

Project IRQ/Z67 - DP 8

No.	Description	Qty	Unit
04-67-80001	Nissan 4WD Patrol Station Wagon GL, (LHD)	1	Unit
04-67-80002	Rear differential lock & free wheel hubs (automatic), side steps & tyres	1	Lot
04-67-80003	Fuel tank, extra, 40 l & rear wiper	1	Lot
04-67-80004	Warning triangle	1	Each
04-67-80005	Radio & cassette w/2sp. Antenna - manual	1	Each
04-67-80006	Rear cooler	1	Each
04-67-80007	Standard spare parts kit	1	Each
04-67-80013	HP LaserJet Printer 1200 , 1200x1200 dpi resolution, includes item 2	2	Each
04-67-80014	Toner Cartridge, 3m parallel printer cable, Manuals in English	2	Each
04-67-80015	HP Print cartridge for LaserJet Printer 1200	6	Each
04-67-80016	Desktop, HP Vectra VL420	6	Each
04-67-80017	Notebook, HP OmniBook XE3, with carrying case	1	Each
04-67-80018	Set of spare parts for SAFT charger type UCS 48VDC 25A	1	Each
04-67-80019	Electronic card for SAFT charger type UCS 48VDC 25A	2	Each
04-67-80020	Spare parts for SAFT charger type UCS 110VDC 40A & relays	1	Each
04-67-80021	Electronic card for SAFT charger type UCS 110VDC 40A	1	Each
04-67-80022	Cell Cd-Ni battery 110V (Type TP110) for charger SAFT	83	Each
04-67-80023	Cell Cd-Ni battery 48V (Type TP110) for charger SAFT	36	Each
04-67-80024	Voltage indicator lamp for FLUAIR panels	100	Each
04-67-80025	Lamp 60V 20mA	300	Each
04-67-80026	Neon lamp 220VAC for PAUWELS cubicle	50	Each
04-67-80027	Kilo of Silicagel for Transformer	100	Each
04-67-80028	Pole of C.B. 12KV 630A 25KA SF6	6	Each
04-67-80029	Pole of C.B. 12KV 2500A 25KA SF6	3	Each
04-67-80030	Closing coil 110VDC for 12KV C.B.	20	Each
04-67-80031	Tripping coil 110VDC for 12KV C.B.	20	Each
04-67-80032	Motor 110VDC for 12KV C.B.	20	Each
04-67-80033	Anti pumping relay for 12KV C.B.	20	Each
04-67-80034	Complete mechanism type GMh for 12KV circuit breaker	2	Each
04-67-80035	Circuit Breaker 12KV 630A 25KA SF6	5	Each
04-67-80036	Circuit Breaker 12KV 2500A 25KA SF6	1	Each
04-67-80037	LV socket for FG2 C.B. fixed + moving part	5	Each
04-67-80038	Kit of tools for cabling sockets with pins	1	Each
04-67-80039	12KV Current Transformer 300/5-5 15VA CI1,10VA 5P10	6	Each
04-67-80040	12KV Current Trans.1800/5-5-0,578 15VA CI1,10VA 5P10,10VA 5P20	3	Each
04-67-80041	Potential Transfo 11000/ v3 // 110/v3-110/3 50VA	3	Each
04-67-80042	Complete VT compartment with 3 VT'S	1	Each
04-67-80043	Complete set of tools for maintenance of substation	2	Each
04-67-80044	Kilo Grease for electrical contact	20	Kg
04-67-80045	Kilo Grease for mecanical parts	20	Kg
04-67-80046	Set of spare parts for COREDEL charger 25A 48V DCtype RB 4851	1	Each
04-67-80047	Set of spares for COREDEL dual-charger 40A type RB 4852 110VDC	1	Each
04-67-80048	Cell Cd-Ni battery 48V (Type SLP12) for charger COREDEL	83	Each
04-67-80049	Cell Cd-Ni battery (Type SLP12) for charger COREDEL	36	Each
04-67-80050	Voltage indicator lamp for FLUAIR panels	100	Each
04-67-80051	Lamp 60V 20mA	300	Each
04-67-80052	Lamp E14 7W 110V	50	Each
04-67-80053	Pole of C.B. 12KV 630A 25KA SF6	6	Each

No.	Description	Qty	Unit
04-67-80054	Pole of C.B. 12KV 2500A 25KA SF6	3	Each
04-67-80055	Closing coil 110VDC for 12KV C.B.	20	Each
04-67-80056	Tripping coil 110VDC for 12KV C.B.	20	Each
04-67-80057	Motor 110VDC for 12KV C.B.	20	Each
04-67-80058	Anti pumping relay for 12KV C.B.	20	Each
04-67-80059	Circuit Breaker 12KV 630A 25KA SF6	5	Each
04-67-80060	Circuit Breaker 12KV 2500A 25KA SF6	1	Each
04-67-80061	LV socket for C.B. fixed + moving part with pipe	10	Each
04-67-80062	Kit of tools for cabling sockets with pins	1	Each
04-67-80063	12KV Current Transformer 300/5-5 15VA CI1,10VA 5P10	6	Each
04-67-80064	12KV Current Trans.1800/5-5-0,578 15VA CI1,10VA 5P10,10VA 5P20	3	Each
04-67-80065	Potential Transformer 1100v3//110v3-110/ 3 50VA	3	Each
04-67-80066	Complete VT compartment with 3 VT'S	1	Each
04-67-80067	Complete tools box for maintenance of substation	2	Each
04-67-80068	L.V. Auxiliary Relay STPI 245-481 110VDC	10	Each
04-67-80069	L.V. Auxiliary relay STPI 245-481 110V V3 AC	10	Each
04-67-80070	L.V. Auxiliary . Relay STPI 245TEE 110VDC	10	Each
04-67-80071	L.V. Auxiliary Relay STPI 245TER 110VDC	10	Each
04-67-80072	L.V. Auxiliary Relay STPI 259-39 BIMAC 110VDC	10	Each
04-67-80073	L.V. Auxiliary Relay STPI 259-49 110VDC	10	Each
04-67-80074	L.V. Auxiliary Relay STPI 259-139 C PIE110VDC	10	Each
04-67-80075	L.V. Auxiliary Time Relay STPI 245TE 110VDC	10	Each
04-67-80076	Flag relay 110VDC (FIR) drop-out or equivalent	20	Each
04-67-80077	Flag relay 110VDC (FIR) pick-up or equivalent	10	Each
04-67-80078	Pocket terminal for Sepam relay	1	Each
04-67-80079	Kilo Grease for electrical contact	20	Kg
04-67-80080	Kilo Grease for mecanical parts	20	Kg
04-67-80081	L.V. Auxiliary relay OKN 110VDC	4	Each
04-67-80082	L.V. Auxiliary relay OKIp 110VDC	4	Each
04-67-80083	L.V. Auxiliary relay REL 2123 110VDC	4	Each
04-67-80084	L.V. Auxiliary relay OK 2105 110VDC	4	Each
04-67-80085	LV socket for C.B. fixed + moving part with flexible pipe	10	Each
04-67-80086	LV socket for 36KV C.B. fixed + moving part	4	Each
04-67-80087	Kit of tools for cabling sockets with pins	1	Each
04-67-80088	Pole of C.B. 12KV 630A 25KA SF6	3	Each
04-67-80089	Closing coil 110VDC for 12KV C.B.	6	Each
04-67-80090	Tripping coil 110VDC for 12KV C.B.	6	Each
04-67-80091	Motor 110VDC for 12KV C.B.	2	Each
04-67-80092	Anti pumping relay for 12KV C.B.	6	Each
04-67-80093	Closing coil 110VDC for 36KV C.B.	2	Each
04-67-80094	Tripping coil 110VDC for 36KV C.B.	2	Each
04-67-80095	Motor 110VDC for 36KV C.B.	2	Each
04-67-80096	Anti pumping relay for 36KV C.B.	2	Each
04-67-80097	Flag relay 110VDC (FIR) drop-out or equivalent	10	Each
04-67-80098	Flag relay 110VDC (FIR) pick-up or equivalent	10	Each
04-67-80099	Flag relay 110VAC (FIR) drop-out or equivalent	5	Each
04-67-80100	Flag relay 110VAC (FIR) pick-up or equivalent	5	Each
04-67-80101	Cell Cd-Ni battery 110V (Type EP5.5) for charger COREDEL	86	Each
04-67-80102	Electronic card type SCE 270A for COREDEL 110VDC	2	Each
04-67-80103	VT Fuse 17,5KV O,3A	18	Each
04-67-80104	Horn 110V DC	3	Each
04-67-80105	Kilo Grease for electrical contact	5	Kg
04-67-80106	Kilo Grease for mecanical parts	5	Kg
04-67-80107	APC Back UPS Pro Line-Interactive 650VA 220V 50Hz & item 4	6	Each
04-67-80108	AVR & Power Chute plus Shutdown software P/N BP650SI	6	Each

No.	Description	Qty	Unit
04-67-80109	Stranded hard drawn copper conductor 120mm ² on wooden drums	10	Km
04-67-80110	Mould for cross-over connectors, Cadweld type XBMY6Y6	10	EACH
04-67-80111	Mould for tee connectors, Cadweld type TACY6Y6	10	EACH
04-67-80112	Mould for cable to ground rod connectors Cadweld typeGTCP173Y6	10	EACH
04-67-80113	Weld metal Cadweld 150F20, cable to ground rod connectors	1200	EACH
04-67-80114	Copper-clad ground rod 3/4 inch Dia.x6feet long no. 613460	350	EACH
04-67-80115	Handle Clamp to suit C price key mould, Cadweld L160	3	EACH
04-67-80116	Toolbox and Tool kit Cadweld T315A and T396	3	EACH
04-67-80117	Mould Sealer Cadweld T403	10	EACH
04-67-80118	132 kV Circuit Breaker 3150A 40kA with operating mechanism	9	piece(s)
04-67-80119	Steel structures for CB	9	piece(s)
04-67-80120	SF6 gas for CB	1	set
04-67-80121	132 kV 1250A Disconnecter with operating mechanism	20	piece(s)
04-67-80122	132 kV 1250A Disconnecter with Earthing Switch	6	piece(s)
04-67-80123	132 kV 1-ph current tranfo 600-1200/5-5-5 & 2000/5-5 A	18	piece(s)
04-67-80124	132 kV 1-ph current tranfo 150-300/5-5-5 & 2000/5-5 A	6	piece(s)
04-67-80125	132 kV 1-ph current tranfo 800-1600/5 & 2000/5 A	3	piece(s)
04-67-80126	132 kV 1-ph current tranfo 800-1600/5 & 2000/5 A	3	piece(s)
04-67-80127	132 kV 1-ph capacitor voltage transfo 132/V3/0,11/V3/0,11/V3	18	piece(s)
04-67-80128	132 kV 1-ph inductive voltage transfo 132/V3/0,11/V3/0,11/V3	6	piece(s)
04-67-80129	132 kV 1-ph lightning arrestors for main transformers	6	piece(s)
04-67-80130	Steel structures including gantries and switchgear supports	1	set
04-67-80131	String insulators complete with disk insulators & fittings	1	set
04-67-80132	Lightning cable	1	set
04-67-80133	HV conductors & accessories	1	set
04-67-80134	Connectors	1	set
04-67-80135	Earthing cables and accessories	1	set
04-67-80136	Lighting	1	set
04-67-80137	Marshalling cubicles	10	piece(s)
04-67-80138	Power transformers 132/33/11 kV, 63/50/40 MVA	2	piece(s)
04-67-80139	33 kV transformer feeder - Tr, 132/33/11 kV	2	piece(s)
04-67-80140	33 kV Outgoing feeders (for UG cable)	8	piece(s)
04-67-80141	33 kV Outgoing feeders (for OHL)	2	piece(s)
04-67-80142	33 kV Bus Tie with VT	1	piece(s)
04-67-80143	33 kV Bus riser with VT	1	piece(s)
04-67-80144	33 kV Capacitor Bank feeder	2	piece(s)
04-67-80145	33 kV Capacitor Bank, 10 MVAr & associated equipment	2	piece(s)
04-67-80146	11 kV transformer feeder - Tr, 132/33/11 kV	2	piece(s)
04-67-80147	11 kV Outgoing feeders	12	piece(s)
04-67-80148	11 kV Earthing Transformer Feeder	2	piece(s)
04-67-80149	11 kV Bus Tie	1	piece(s)
04-67-80150	11 kV Bus riser with VT	1	piece(s)
04-67-80151	11 kV VT feeder	1	piece(s)
04-67-80152	Earthing Transformer 11/0,4 kV & Resistor	2	piece(s)
04-67-80153	36 kV Cable XLPE 1 x 400 sqmm (cu)	1350	meter
04-67-80154	36 kV Cable XLPE 1 x 240 sqmm (cu)	3250	meter
04-67-80155	15 kV Cable XLPE 1 x 400 sqmm (cu)	1800	meter
04-67-80156	15 kV Cable XLPE 1 x 240 sqmm (cu)	3250	meter
04-67-80157	15 kV Cable XLPE 1 x 70 sqmm (cu)	200	meter
04-67-80158	Termination 36 kV outdoor, 1x400 mm ² & accessories	12	piece(s)
04-67-80159	Termination 36 kV indoor, 1x400 mm ² & accessories	12	piece(s)
04-67-80160	Termination 36 kV outdoor, 1x240 mm ² & accessories	36	piece(s)
04-67-80161	Termination 36 kV indoor, 1x240 mm ² & accessories	36	piece(s)
04-67-80162	Termination 15 kV outdoor, 1x400 mm ² & accessories	18	piece(s)
04-67-80163	Termination 15 kV indoor, 1x400 mm ² & accessories	18	piece(s)
04-67-80164	Termination 15 kV outdoor, 1x240 mm ² & accessories	36	piece(s)

No.	Description	Qty	Unit
04-67-80165	Termination 15 kV indoor, 1x240 mm ² & accessories	36	piece(s)
04-67-80166	Termination 15 kV outdoor, 1x70 mm ² & accessories	6	piece(s)
04-67-80167	Termination 15 kV indoor, 1x70 mm ² & accessories	6	piece(s)
04-67-80168	Low voltage AC distribution switchgear	1	piece(s)
04-67-80169	110 V DC Distribution boards for two batteries	1	piece(s)
04-67-80170	110 V DC Battery equipment	2	piece(s)
04-67-80171	Relay panel - 132 kV OH Feeder	6	piece(s)
04-67-80172	Relay panel - 132 kV Transformer Feeder	2	piece(s)
04-67-80173	Relay panel - 132 kV Bus coupler	1	piece(s)
04-67-80174	Relay panel - 132 kV Busbar protection	1	piece(s)
04-67-80175	Microcomputer-based Substation Control System	1	set
04-67-80176	Control panel - 132 kV OH Feeder	6	piece(s)
04-67-80177	Control panel - 132 kV Transformer Feeder	2	piece(s)
04-67-80178	Control panel - 132 kV Bus Coupler	1	piece(s)
04-67-80179	Control panel - 132 kV Synchronizing panel	1	piece(s)
04-67-80180	On Load Tap Changer Control Panel	2	piece(s)
04-67-80181	Control panel - 33 kV Switchgear	1	set
04-67-80182	Control panel - 11 kV Switchgear	1	set
04-67-80183	Signaling panel - Common signals	1	piece(s)
04-67-80184	Metering panel - For 132 kV OH Feeders	1	piece(s)
04-67-80185	Metering panel - For 33 kV Feeders	1	piece(s)
04-67-80186	Metering panel - For 11 kV Feeders	1	piece(s)
04-67-80187	LV cables, cable trays, terminations & accessories	1	set
04-67-80188	Supervisory Marshalling Cubicles	1	piece(s)
04-67-80189	50 kVA diesel generator set with accessories	1	piece(s)
04-67-80190	110 kV 800A, 1-ph disconnecter for N.P. of main transformers	2	piece(s)
04-67-80191	96 kV 1-ph lightning arresters for N.P. of main transformers	2	piece(s)
04-67-80192	33 kV Neutral Earthing Equipment incl. resistors & CT cores	2	set
04-67-80193	Distance protection relays	4	piece(s)
04-67-80194	132 kV Circuit Breaker 3150A 40kA	5	piece(s)
04-67-80195	Steel structures for CB	5	piece(s)
04-67-80196	SF6 gas for CB	1	set
04-67-80197	132 kV 1250A Disconnector	12	piece(s)
04-67-80198	132 kV 1250A Disconnector with Earthing Switch	2	piece(s)
04-67-80199	132 kV 1-ph current tranfo 600-1200/5-5-5 & 2000/5-5 A	6	piece(s)
04-67-80200	132 kV 1-ph current tranfo 150-300/5-5-5 & 2000/5-5 A	6	piece(s)
04-67-80201	132 kV 1-ph current tranfo 800-1600/5 & 2000/5 A	3	piece(s)
04-67-80202	132 kV 1-ph current tranfo 800-1600/5 & 2000/5 A	3	piece(s)
04-67-80203	132 kV 1-ph capacitor voltage tranfo 132/V3/0,11/V3/0,11/V3	6	piece(s)
04-67-80204	132 kV 1-ph inductive voltage tranfo 132/V3/0,11/V3/0,11/V3	6	piece(s)
04-67-80205	132 kV 1-ph lightning arrestors for main transformers	6	piece(s)
04-67-80206	Steel structures including gantries and switchgear supports	1	set
04-67-80207	String insulators complete with disk insulators & fittings	1	set
04-67-80208	Lightning cable	1	set
04-67-80209	HV conductors & accessories	1	set
04-67-80210	Connectors	1	set
04-67-80211	Earthing cables and accessories	1	set
04-67-80212	Lighting	1	set
04-67-80213	Marshalling cubicles	6	piece(s)
04-67-80214	Power transformers 132/33/11 kV, 25/20/20 MVA	2	piece(s)
04-67-80215	33 kV transformer feeder - Tr, 132/33/11 kV	2	piece(s)
04-67-80216	33 kV Outgoing feeders (for OHL)	4	piece(s)
04-67-80217	33 kV Bus Tie with VT	1	piece(s)
04-67-80218	33 kV Bus riser with VT	1	piece(s)
04-67-80219	33 kV Capacitor Bank feeder	2	piece(s)
04-67-80220	33 kV Capacitor Bank, 10 MVA & associated equipment	2	piece(s)
04-67-80221	11 kV transformer feeder - Tr, 132/33/11 kV	2	piece(s)
04-67-80222	11 kV Outgoing feeders	10	piece(s)

No.	Description	Qty	Unit
04-67-80223	11 kV Earthing Transformer Feeder	2	piece(s)
04-67-80224	11 kV Bus Tie	1	piece(s)
04-67-80225	11 kV Bus riser with VT	1	piece(s)
04-67-80226	11 kV VT feeder	1	piece(s)
04-67-80227	Earthing Transformer 11/0,4 kV & Resistor	2	piece(s)
04-67-80228	36 kV Cable XLPE 1 x 400 sqmm (cu)	550	meter
04-67-80229	36 kV Cable XLPE 1 x 240 sqmm (cu)	1650	meter
04-67-80230	15 kV Cable XLPE 1 x 400 sqmm (cu)	1100	meter
04-67-80231	15 kV Cable XLPE 1 x 240 sqmm (cu)	2700	meter
04-67-80232	15 kV Cable XLPE 1 x 70 sqmm (cu)	200	meter
04-67-80233	Termination 36 kV outdoor, 1x400 mm2 & accessories	6	piece(s)
04-67-80234	Termination 36 kV indoor, 1x400 mm2 & accessories	6	piece(s)
04-67-80235	Termination 36 kV outdoor, 1x240 mm2 & accessories	18	piece(s)
04-67-80236	Termination 36 kV indoor, 1x240 mm2 & accessories	18	piece(s)
04-67-80237	Termination 15 kV outdoor, 1x400 mm2 & accessories	12	piece(s)
04-67-80238	Termination 15 kV indoor, 1x400 mm2 & accessories	12	piece(s)
04-67-80239	Termination 15 kV outdoor, 1x240 mm2 & accessories	30	piece(s)
04-67-80240	Termination 15 kV indoor, 1x240 mm2 & accessories	30	piece(s)
04-67-80241	Termination 15 kV outdoor, 1x70 mm2 & accessories	6	piece(s)
04-67-80242	Termination 15 kV indoor, 1x70 mm2 & accessories	6	piece(s)
04-67-80243	Low voltage AC distribution switchgear	1	piece(s)
04-67-80244	110 V DC Distribution boards for two batteries	1	piece(s)
04-67-80245	110 V DC Battery equipment	2	piece(s)
04-67-80246	Relay panel - 132 kV OH Feeder	2	piece(s)
04-67-80247	Relay panel - 132 kV Transformer Feeder	2	piece(s)
04-67-80248	Relay panel - 132 kV Bus coupler	1	piece(s)
04-67-80249	Relay panel - 132 kV Busbar protection	1	piece(s)
04-67-80250	Microcomputer-based Substation Control System	1	set
04-67-80251	Control panel - 132 kV OH Feeder	2	piece(s)
04-67-80252	Control panel - 132 kV Transformer Feeder	2	piece(s)
04-67-80253	Control panel - 132 kV Bus Coupler	1	piece(s)
04-67-80254	Control panel - 132 kV Synchronizing panel	1	piece(s)
04-67-80255	On Load Tap Changer Control Panel	2	piece(s)
04-67-80256	Control panel - 33 kV Switchgear	1	set
04-67-80257	Control panel - 11 kV Switchgear	1	set
04-67-80258	Signaling panel - Common signals	1	piece(s)
04-67-80259	Metering panel - For 132 kV OH Feeders	1	piece(s)
04-67-80260	Metering panel - For 33 kV Feeders	1	piece(s)
04-67-80261	Metering panel - For 11 kV Feeders	1	piece(s)
04-67-80262	LV cables, cable trays, terminations & accessories	1	set
04-67-80263	Supervisory Marshalling Cubicles	1	piece(s)
04-67-80264	50 kVA diesel generator set with accessories	1	piece(s)
04-67-80265	110 kV 800A, 1-ph disconnecter for N.P. of main transformers	2	piece(s)
04-67-80266	96 kV 1-ph lightning arresters for N.P of main transformers	2	piece(s)
04-67-80267	33 kV Neutral Earthing Equipment incl. resistors & CT cores	2	set
04-67-80268	Power transformers 33/11 kV, 16 MVA	2	piece(s)
04-67-80269	33 kV transformer feeder - Tr, 33/11 kV	2	piece(s)
04-67-80270	33 kV Incoming/Outgoing feeders (for OHL)	3	piece(s)
04-67-80271	33 kV Bus Tie with VT	1	piece(s)
04-67-80272	33 kV Bus riser with VT	1	piece(s)
04-67-80273	11 kV transformer feeder - Tr, 33/11 kV	2	piece(s)
04-67-80274	11 kV Outgoing feeders	8	piece(s)
04-67-80275	11 kV Bus Tie	1	piece(s)
04-67-80276	11 kV Bus riser with VT	1	piece(s)
04-67-80277	11 kV VT feeder	1	piece(s)
04-67-80278	11 kV Auxiliary Transformer feeder	2	piece(s)
04-67-80279	Auxiliary Transformer 11/0,4 kV	2	piece(s)
04-67-80280	11 kV Neutral Earthing Equipment incl. resistors & CT cores	2	set

No.	Description	Qty	Unit
04-67-80281	36 kV Cable XLPE 1 x 400 sqmm (cu)	1100	meter
04-67-80282	15 kV Cable XLPE 1 x 400 sqmm (cu)	350	meter
04-67-80283	15 kV Cable XLPE 1 x 240 sqmm (cu)	2150	meter
04-67-80284	15 kV Cable XLPE 1 x 70 sqmm (cu)	200	meter
04-67-80285	Termination 36 kV outdoor, 1x400 mm2 & accessories	15	piece(s)
04-67-80286	Termination 36 kV indoor, 1x400 mm2 & accessories	15	piece(s)
04-67-80287	Termination 15 kV outdoor, 1x400 mm2 & accessories	12	piece(s)
04-67-80288	Termination 15 kV indoor, 1x400 mm2 & accessories	12	piece(s)
04-67-80289	Termination 15 kV outdoor, 1x240 mm2 & accessories	24	piece(s)
04-67-80290	Termination 15 kV indoor, 1x240 mm2 & accessories	24	piece(s)
04-67-80291	Termination 15 kV outdoor, 1x70 mm2 & accessories	6	piece(s)
04-67-80292	Termination 15 kV indoor, 1x70 mm2 & accessories	6	piece(s)
04-67-80293	Low voltage AC distribution switchgear	1	piece(s)
04-67-80294	110 V DC Distribution boards for two batteries	1	piece(s)
04-67-80295	110 V DC Battery equipment	1	piece(s)
04-67-80296	Control panel - 33 kV Switchgear	1	set
04-67-80297	Control panel - 11 kV Switchgear	1	set
04-67-80298	Signaling panel - Common signals	1	piece(s)
04-67-80299	On Load Tap Changer Control Panel	2	piece(s)
04-67-80300	Metering panel - For 33 kV Feeders	1	piece(s)
04-67-80301	Metering panel - For 11 kV Feeders	1	piece(s)
04-67-80302	LV cables, cable trays, terminations & accessories	1	set
04-67-80303	Supervisory Marshalling Cubicles	1	piece(s)
04-67-80304	50 kVA diesel generator set with accessories	1	piece(s)
04-67-80305	Earthing material	1	set
04-67-80306	Power transformers 33/11 kV, 10 MVA	2	piece(s)
04-67-80307	33 kV transformer feeder - Tr, 33/11 kV	2	piece(s)
04-67-80308	33 kV Incoming/Outgoing feeders (for OHL)	2	piece(s)
04-67-80309	33 kV Bus Tie with VT	1	piece(s)
04-67-80310	33 kV Bus riser with VT	1	piece(s)
04-67-80311	11 kV transformer feeder - Tr, 33/11 kV	2	piece(s)
04-67-80312	11 kV Outgoing feeders	6	piece(s)
04-67-80313	11 kV Bus Tie	1	piece(s)
04-67-80314	11 kV Bus riser with VT	1	piece(s)
04-67-80315	11 kV VT feeder	1	piece(s)
04-67-80316	11 kV Auxiliary Transformer feeder	2	piece(s)
04-67-80317	Auxiliary Transformer 11/0,4 kV	2	piece(s)
04-67-80318	11 kV Neutral Earthing Equipment incl. resistors & CT cores	2	set
04-67-80319	36 kV Cable XLPE 1 x 400 sqmm (cu)	750	meter
04-67-80320	15 kV Cable XLPE 1 x 400 sqmm (cu)	350	meter
04-67-80321	15 kV Cable XLPE 1 x 240 sqmm (cu)	1650	meter
04-67-80322	15 kV Cable XLPE 1 x 70 sqmm (cu)	200	meter
04-67-80323	Termination 36 kV outdoor, 1x400 mm2 & accessories	12	piece(s)
04-67-80324	Termination 36 kV indoor, 1x400 mm2 & accessories	12	piece(s)
04-67-80325	Termination 15 kV outdoor, 1x400 mm2 & accessories	12	piece(s)
04-67-80326	Termination 15 kV indoor, 1x400 mm2 & accessories	12	piece(s)
04-67-80327	Termination 15 kV outdoor, 1x240 mm2 & accessories	18	piece(s)
04-67-80328	Termination 15 kV indoor, 1x240 mm2 & accessories	18	piece(s)
04-67-80329	Termination 15 kV outdoor, 1x70 mm2 & accessories	6	piece(s)
04-67-80330	Termination 15 kV indoor, 1x70 mm2 & accessories	6	piece(s)
04-67-80331	Low voltage AC distribution switchgear	1	piece(s)
04-67-80332	110 V DC Distribution boards for two batteries	1	piece(s)
04-67-80333	110 V DC Battery equipment	1	piece(s)
04-67-80334	Control panel - 33 kV Switchgear	1	set
04-67-80335	Control panel - 11 kV Switchgear	1	set
04-67-80336	Signaling panel - Common signals	1	piece(s)
04-67-80337	On Load Tap Changer Control Panel	2	piece(s)
04-67-80338	Metering panel - For 33 kV Feeders	1	piece(s)

No.	Description	Qty	Unit
04-67-80339	Metering panel - For 11 kV Feeders	1	piece(s)
04-67-80340	LV cables, cable trays, terminations & accessories	1	set
04-67-80341	Supervisory Marshalling Cubicles	1	piece(s)
04-67-80342	50 kVA diesel generator set with accessories	1	piece(s)
04-67-80343	Earthing material	1	set
04-67-80344	Power transformers 33/11 kV, 5 MVA	2	piece(s)
04-67-80345	33 kV transformer feeder - Tr, 33/11 kV	2	piece(s)
04-67-80346	33 kV Incoming/Outgoing feeders (for OHL)	2	piece(s)
04-67-80347	33 kV Bus Tie with VT	1	piece(s)
04-67-80348	33 kV Bus riser with VT	1	piece(s)
04-67-80349	11 kV transformer feeder - Tr, 33/11 kV	2	piece(s)
04-67-80350	11 kV Outgoing feeders	6	piece(s)
04-67-80351	11 kV Bus Tie	1	piece(s)
04-67-80352	11 kV Bus riser with VT	1	piece(s)
04-67-80353	11 kV VT feeder	1	piece(s)
04-67-80354	11 kV Auxiliary Transformer feeder	2	piece(s)
04-67-80355	Auxiliary Transformer 11/0,4 kV	2	piece(s)
04-67-80356	11 kV Neutral Earthing Equipment incl. resistors & CT cores	2	set
04-67-80357	36 kV Cable XLPE 1 x 400 sqmm (cu)	750	meter
04-67-80358	15 kV Cable XLPE 1 x 400 sqmm (cu)	180	meter
04-67-80359	15 kV Cable XLPE 1 x 240 sqmm (cu)	2250	meter
04-67-80360	15 kV Cable XLPE 1 x 70 sqmm (cu)	200	meter
04-67-80361	Termination 36 kV outdoor, 1x400 mm2 & accessories	12	piece(s)
04-67-80362	Termination 36 kV indoor, 1x400 mm2 & accessories	12	piece(s)
04-67-80363	Termination 15 kV outdoor, 1x400 mm2 & accessories	6	piece(s)
04-67-80364	Termination 15 kV indoor, 1x400 mm2 & accessories	6	piece(s)
04-67-80365	Termination 15 kV outdoor, 1x240 mm2 & accessories	18	piece(s)
04-67-80366	Termination 15 kV indoor, 1x240 mm2 & accessories	18	piece(s)
04-67-80367	Termination 15 kV outdoor, 1x70 mm2 & accessories	6	piece(s)
04-67-80368	Termination 15 kV indoor, 1x70 mm2 & accessories	6	piece(s)
04-67-80369	Low voltage AC distribution switchgear	1	piece(s)
04-67-80370	110 V DC Distribution boards for two batteries	1	piece(s)
04-67-80371	110 V DC Battery equipment	1	piece(s)
04-67-80372	Control panel - 33 kV Switchgear	1	set
04-67-80373	Control panel - 11 kV Switchgear	1	set
04-67-80374	Signaling panel - Common signals	1	piece(s)
04-67-80375	On Load Tap Changer Control Panel	2	piece(s)
04-67-80376	Metering panel - For 33 kV Feeders	1	piece(s)
04-67-80377	Metering panel - For 11 kV Feeders	1	piece(s)
04-67-80378	LV cables, cable trays, terminations & accessories	1	set
04-67-80379	Supervisory Marshalling Cubicles	1	piece(s)
04-67-80380	50 kVA diesel generator set with accessories	1	piece(s)
04-67-80381	Earthing material	1	set
04-67-80382	Power transformers 33/11 kV, 5 MVA	2	piece(s)
04-67-80383	33 kV transformer feeder - Tr, 33/11 kV	2	piece(s)
04-67-80384	33 kV Incoming/Outgoing feeders (for OHL)	2	piece(s)
04-67-80385	33 kV Bus Tie with VT	1	piece(s)
04-67-80386	33 kV Bus riser with VT	1	piece(s)
04-67-80387	11 kV transformer feeder - Tr, 33/11 kV	2	piece(s)
04-67-80388	11 kV Outgoing feeders	6	piece(s)
04-67-80389	11 kV Bus Tie	1	piece(s)
04-67-80390	11 kV Bus riser with VT	1	piece(s)
04-67-80391	11 kV VT feeder	1	piece(s)
04-67-80392	11 kV Auxiliary Transformer feeder	2	piece(s)
04-67-80393	Auxiliary Transformer 11/0,4 kV	2	piece(s)
04-67-80394	11 kV Neutral Earthing Equipment incl. resistors & CT cores	2	set
04-67-80395	36 kV Cable XLPE 1 x 400 sqmm (cu)	750	meter
04-67-80396	15 kV Cable XLPE 1 x 400 sqmm (cu)	180	meter

No.	Description	Qty	Unit
04-67-80397	15 kV Cable XLPE 1 x 240 sqmm (cu)	2250	meter
04-67-80398	15 kV Cable XLPE 1 x 70 sqmm (cu)	200	meter
04-67-80399	Termination 36 kV outdoor, 1x400 mm2 & accessories	12	piece(s)
04-67-80400	Termination 36 kV indoor, 1x400 mm2 & accessories	12	piece(s)
04-67-80401	Termination 15 kV outdoor, 1x400 mm2 & accessories	6	piece(s)
04-67-80402	Termination 15 kV indoor, 1x400 mm2 & accessories	6	piece(s)
04-67-80403	Termination 15 kV outdoor, 1x240 mm2 & accessories	18	piece(s)
04-67-80404	Termination 15 kV indoor, 1x240 mm2 & accessories	18	piece(s)
04-67-80405	Termination 15 kV outdoor, 1x70 mm2 & accessories	6	piece(s)
04-67-80406	Termination 15 kV indoor, 1x70 mm2 & accessories	6	piece(s)
04-67-80407	Low voltage AC distribution switchgear	1	piece(s)
04-67-80408	110 V DC Distribution boards for two batteries	1	piece(s)
04-67-80409	110 V DC Battery equipment	1	piece(s)
04-67-80410	Control panel - 33 kV Switchgear	1	set
04-67-80411	Control panel - 11 kV Switchgear	1	set
04-67-80412	Signaling panel - Common signals	1	piece(s)
04-67-80413	On Load Tap Changer Control Panel	2	piece(s)
04-67-80414	Metering panel - For 33 kV Feeders	1	piece(s)
04-67-80415	Metering panel - For 11 kV Feeders	1	piece(s)
04-67-80416	LV cables, cable trays, terminations & accessories	1	set
04-67-80417	Supervisory Marshalling Cubicles	1	piece(s)
04-67-80418	50 kVA diesel generator set with accessories	1	piece(s)
04-67-80419	Earthing material	1	set
04-67-80420	Set (3 phase) of fixed and moving contacts for 132 kV CB	1	set
04-67-80421	Set (3 phase) of gasket/seals for 132 kV CB	2	set
04-67-80422	Set (3 phase) of contacts for isolator 132 kV 1250 A	1	set
04-67-80423	Set of closing coil for 132 kV CB	2	set
04-67-80424	Set of tripping coil for 132 kV CB	2	set
04-67-80425	Set of SF6 gas cylinder	3	set
04-67-80426	Operating motor for 132 kV CB	2	piece(s)
04-67-80427	Operating motor for 132 kV isolator	2	piece(s)
04-67-80428	Set of limit switches	1	set
04-67-80429	Ammeter	1	piece(s)
04-67-80430	Voltmeter	1	piece(s)
04-67-80431	MW meter	1	piece(s)
04-67-80432	MVAr meter	1	piece(s)
04-67-80433	Set of MCBs	5	piece(s)
04-67-80434	Distance protection relay for 132 kV switchgear	1	piece(s)
04-67-80435	Transformer protection relay for 132 kV switchgear	1	piece(s)
04-67-80436	Biased differential relay for 132 kV switchgear	1	piece(s)
04-67-80437	Restricted Earth Fault relay for 132 kV switchgear	2	piece(s)
04-67-80438	Tripping relay for 132 kV switchgear	4	piece(s)
04-67-80439	Three pole overcurrent relay for 132 kV switchgear	1	piece(s)
04-67-80440	Trip circuit supervision relay for 132 kV switchgear	1	piece(s)
04-67-80441	Current transducer	2	piece(s)
04-67-80442	Voltage transducer	2	piece(s)
04-67-80443	MW transducer	2	piece(s)
04-67-80444	MVAr transducer	2	piece(s)
04-67-80445	Multi-window integral solid state alarm fascia	1	piece(s)
04-67-80446	Complete Circuit Breaker 33 kV 1250 A	1	set
04-67-80447	Complete Circuit Breaker 33 kV 2000 A	1	set
04-67-80448	Set (3 phase) vacuum bottle for feeder CB	2	set
04-67-80449	Set of closing coil for 33 kV CB	3	set
04-67-80450	Set of tripping coil for 33 kV CB	3	set
04-67-80451	Spring charging motor for 33 kV CB	2	set
04-67-80452	33 kV (3 phase) voltage transformer	3	piece(s)
04-67-80453	Set (3 phase) VT secondary fuses	3	piece(s)
04-67-80454	Complete Circuit Breaker 11 kV 630 A	1	set

No.	Description	Qty	Unit
04-67-80455	Complete Circuit Breaker 11 kV 1250 A	1	set
04-67-80456	Set of closing coil for 11 kV CB	3	set
04-67-80457	Set of tripping coil for 11 kV CB	3	set
04-67-80458	Spring charging motor for 11 kV CB	2	set
04-67-80459	11 kV (3 phase) voltage transformer	3	piece(s)
04-67-80460	Set (3 phase) 11 kV VT secondary fuses	3	piece(s)
04-67-80461	MCBs for DC board	2	piece(s)
04-67-80462	Control card for float charger	1	piece(s)
04-67-80463	Control card for boost charger	1	piece(s)
04-67-80464	Battery cells	20	piece(s)
04-67-80465	Unit of OLTC drive motor	2	piece(s)
04-67-80466	Set of glass for each type of oil level gauge	2	set
04-67-80467	Set of (3 phase) of tap changer diverter switch contacts	2	set
04-67-80468	Set of microswitches	2	set
04-67-80469	Outdoor terminal 132 kV bushing with flange gasket	2	piece(s)
04-67-80470	SF6 gas handling unit and accessories	1	set
04-67-80471	Hydraulic crimping tool with electric motor and accessories	1	set
04-67-80472	Hydraulic crimping tool with hydraulic pump and accessories	1	set
04-67-80473	Hydraulic cutting tool with blades for conductors	1	set
04-67-80474	Hydraulic pallet truck	1	set
04-67-80475	Circular hole saw and accessories	1	set
04-67-80476	Manual crimping pliers and accessories	6	set
04-67-80477	Portable AVO meter and accessories	6	set
04-67-80478	Electric percussion hammer drill with 25mm chuck & accessories	1	set
04-67-80479	Electric percussion hammer drill with 18mm chuck & accessories	1	set
04-67-80480	SAFT charger type SPR 110V50A	1	each
04-67-80481	Auxiliaries fuses F2-5-6	10	each
04-67-80482	Input fuses F34-35-36	10	each
04-67-80483	Output fuse F1	10	each
04-67-80484	CCU pc"B" card A1	1	each
04-67-80485	TPC pc"B" card A2	1	each
04-67-80486	Converter DC/DC card A20	1	each
04-67-80487	Frontplate card A310	1	each
04-67-80488	Semipack for power "B"ridge V1-6	2	each
04-67-80489	Diode V7	1	each
04-67-80490	SAFT charger type SPR 48V25A	1	each
04-67-80491	Auxiliaries fuses F2-5-6	10	each
04-67-80492	Input fuses F34-35-36	10	each
04-67-80493	Output fuse F1	10	each
04-67-80494	CCU pc"B" card A1	1	each
04-67-80495	TPC pc"B" card A2	1	each
04-67-80496	Converter DC/DC card A20	1	each
04-67-80497	Frontplate card A310	1	each
04-67-80498	Semipack for power "B"ridge V1-6	2	each
04-67-80499	Diode V7	1	each
04-67-80500	Tyres	5	Each
04-67-80501	Anchor bolts diam= 36mm with nuts and washers	57	unit
04-67-80502	Anchor bolts diam= 33mm with nuts and washers	660	unit
04-67-80503	Anchor bolts diam= 24mm with nuts and washers	153	unit
04-67-80504	Anchor bolts diam= 20mm with nuts and washers	901	unit
04-67-80505	11kV dummy pannels	2	unit
04-67-80506	33kV dummy pannels	1	unit
04-67-80507	Microhmmeter MOM 600 A - FOC	1	unit
04-67-80508	Breaker analyser system TM 1600 - FOC	1	unit
04-67-80509	Step-up Transformer Magnus - FOC	1	unit
04-67-80510	Phase angle meter PAM 360 - FOC	1	unit

No.	Description	Qty	Unit
04-67-80511	Relay Testing Unit Sverker 750 - FOC	2	unit
04-67-80512	Portable battery load unit for the test BTS 100 - FOC	1	unit
04-67-80513	Primary injection test set KAM 5/2,5 - FOC	1	unit
04-67-80514	Three phase automatic relay test set ART/3 - FOC	2	unit
04-67-80515	Insulation tester BM 11D/E1 - FOC	1	unit
04-67-80516	Insulation tester BMM 2000 - FOC	1	unit
04-67-80517	Low resistance ohmmeter BT 51 - FOC	2	unit
04-67-80518	Capacitance and insulation Power factor test set CB:100) - FOC	1	unit
04-67-80519	Industrial scopemeter FL 123 - FOC	2	unit
04-67-80520	Digital thermometer FI 600c - FOC	2	unit
04-67-80521	Multimeter METRAHIT 26 M - FOC	7	unit
04-67-80522	Adapter Ref : BD PACK 1- FOC	7	unit
04-67-80523	Clamp Meter ref : FLUKE - 336 - FOC	7	unit
04-67-80524	Multimeter ref : FLUKE - 175 - FOC	7	unit
04-67-80525	Clamp Meter ref: FLUKE 80i-110s - FOC	7	unit
04-67-80526	Analog multimeter ref : UNIGOR 120 - FOC	7	unit
04-67-80527	Phase rotation controller FI 9040 - FOC	7	unit
04-67-80528	Self generator head-phone S 7601 - FOC	2	unit
04-67-80529	Standard extension plugs male /female Ref : G295 - FOC	2	unit
04-67-80530	Multi fonction calibrator AOIP Ref : JN 6532 - FOC	2	unit
04-67-80531	Tools kit for tests ref : C 11 - FOC	5	unit
04-67-80532	Lap top computer for tests - FOC	2	unit
04-67-80533	High voltage generator PGK 110 HB 411.017 - FOC	1	unit
04-67-80534	Boxes for generator + desk - FOC	1	unit
04-67-80535	Hook ladder 5m - FOC	4	unit
04-67-80536	Insulated single ladder, length : 3m, - FOC	8	unit
04-67-80537	Two section extension ladder : extended length : 6m - FOC	8	unit
04-67-80538	Polypropylen rope diameter : 10mm (100m) - FOC	3	unit
04-67-80539	Polypropylen rope diameter : 14mm (100m) - FOC	3	unit
04-67-80540	Polypropylen rope diameter : 20mm (100m) - FOC	3	unit
04-67-80541	Single steel rope slings, strength : 1T, length : 1m - FOC	10	unit
04-67-80542	Single steel rope slings, strength : 1.5T, length : 1m - FOC	10	unit
04-67-80543	Single steel rope slings, strength : 2T, length : 1m - FOC	10	unit
04-67-80544	Flat polypropylen fiber sling, strength 2T, length 2m - FOC	10	unit
04-67-80545	Flat polypropylen fiber sling, strength 2T, length 5m - FOC	10	unit
04-67-80546	D-shackle, strength : 1T - FOC	8	unit
04-67-80547	D-shackle, strength : 2T - FOC	8	unit
04-67-80548	D-shackle, strength : 3T - FOC	8	unit
04-67-80549	Straight shaft jack with handle, strength : 3T - FOC	3	unit
04-67-80550	Tirfor fitted with 30m steel rope, lifting strength 1.6T- FOC	3	unit
04-67-80551	Tirfor fitted with 100m steel rope, lifting strength 2,5T- FOC	4	unit
04-67-80552	Chain block fitted with a 6m chain, strength : 1T - FOC	3	unit
04-67-80553	Snatch block, strength : 2T - FOC	8	unit
04-67-80554	Steel rope, strength : 2T, length : 100m - FOC	3	unit
04-67-80555	Come-along, strength : 2T - FOC	4	unit
04-67-80556	Hydraulic crimping press with pump - FOC	2	unit
04-67-80557	Compression dies cable cross diam 377mm sections - FOC	2	unit
04-67-80558	Torque wrench, 0.5 daNm to 10 daNm range - FOC	4	unit
04-67-80559	Torque wrench, 0.5 daNm to 10 daNm range - FOC	4	unit
04-67-80560	Standard tools : spanners, screwdrivers, pliers - FOC	4	unit
04-67-80561	Specific tools (ALROC) for XLPE cable stripping - FOC	10	unit
04-67-80562	Hydraulic pump Solhyflex with jack V20U + 2S1- FOC	2	unit
04-67-80563	Corresponding dies 13UE240CU- 20UE400CU) - FOC	2	unit
04-67-80564	Greenlee type ratchet punch (cable gland) - FOC	4	unit
04-67-80565	Crimping tool for wire end conn wire dia 1mm ² to 1.6mm ² - FOC	20	unit

No.	Description	Qty	Unit
04-67-80566	Crimping tool for wire end conn wire dia 1mm ² to 2.6mm ² - FOC	20	unit
04-67-80567	Crimping tool for wire end conn wire dia 2.6mm ² to 6.6mm ² - FOC	20	unit
04-67-80568	Hand tool for crimping of 0,5 to 6 mm ² insulated cable en-splices - FOC	30	unit
04-67-80569	Heavy Duty Safety Boots to DIN EN 345-1S3	18	Pair
04-67-80570	Compaq Evo D310 P4 2.0A GHZ	8	Each