

List of appliances preliminary

LV:
new switchboard RM_SO201 (16poles, 2500A, 40kA, dimensions 9840x2200x600mm, l x h x d)

PS	Appliance								Note
PS210	flue gas fan	580	0,4	1	SO201	0,0 m			The flue gas fan can also be solved from the field No.9 of the 00BCB (6kV) substation or from the existing Irodel substation or from the new HV substation. The 6kV supply option from 00BCA/BCB must be verified by OB2 by calculation
PS 104	Belt conveyor PD13 A	45	0,4	1	SO 201	K 20/45 m			part of OB1 - cables to be supplied by OB1
PS 104	Belt conveyor PD14 A	5,5	0,4	1	SO 201	K 20/45 m			part of OB1 - cables to be supplied by OB1
PS 104	Belt conveyor PD14 B	5,5	0,4	1	SO 201	K 20/45 m			part of OB1 - cables to be supplied by OB1
PS 104	Plow drive 14 A1	1	0,4	0,1	SO 201	K 20/45 m			part of OB1 - cables to be supplied by OB1
PS 104	Plow drive 14 B1	1	0,4	0,1	SO 201	K 20/45 m			part of OB1 - cables to be supplied by OB1
PS 104	Plow drive 14 B2	1	0,4	0,1	SO 201	K 20/45 m			part of OB1 - cables to be supplied by OB1
PS 104	Plow drive 14 C1	1	0,4	0,1	SO 201	K 20/45 m			part of OB1 - cables to be supplied by OB1
PS 104	Plow drive 14 C2	1	0,4	0,1	SO 201	K 20/45 m			part of OB1 - cables to be supplied by OB1
PS 104	Electric hoist K 20	3,5	0,4	0	SO 201	45 m			part of OB1 - cables to be supplied by OB1
PS 106	Technologic HVAC-dust removal of transport K20 WCh	35	0,4	1	SO 201	40 m			part of OB1 - cables to be supplied by OB1
PS 114	Transport air compressor No.1	815	0,4	1	SO 201	0,0 m	controlled FM	permanently powered	can also be connected to 6kV from the new HV substation
PS 114	Control air compressor No.1- 75-90kW	75	0,4	0	SO 201	0,0 m	controlled FM	ermanently powered	The first control air compressor will still be fed from the existing 0.4kV non-modulus switchgear to the fuse outlet temporarily until K20 is ready. The option of supplying 0,4kV from the existing 0,4kV non-modular switchgear to the fuse terminal temporarily shall be verified by OB2 by calculation. And reconnect from K20
PS 114	Control air compressor No.2- 75-90kW	75	0,4	0	SO 201	0,0 m	controlled FM	permanently powered	
PS 114	Adsorption dryer	0,06	0,4	1	SO 201	0,0 m		permanently powered	
PS 114	Hadkison HHDP 790 condensation dryer	1,97	0,4	1	SO 201	0,0 m		permanently powered	
ps 201	Refrigerated screw ash conveyor 1	2,5	0,4	1	SO 201	0,0 m		ready/on	
ps 201	Refrigerated screw ash conveyor 2	2,5	0,4	1	SO 201	0,0m		ready/on	
PS 201	Refrigerated screw ash conveyor 3	2,5	0,4	1	SO 201	0,0 m		ready/on	
PS 201	Refrigerated screw ash conveyor 4	2,5	0,4	1	SO 201	0,0m		ready/on	
PS 201	DeNOX modul	10	0,4	1	SO 201	11,2 m	Secondary switchboard		
PS 201	condensate pump to JOV No. 1	6	0,4	1	SO 201	0,0 m			
PS 201	condensate pump to JOV No. 2	6	0,4	0	SO 201	0,0 m			
PS 201	Preparation of phosphate	2	0,4	0,5	SO 201	0,0 m			
PS 201	Sulfur dosing into the boiler	2	0,4	1	SO 201	15 m			
PS 201	small cooling circuit pump 1	15	0,4	1	SO 201	0,0 m			
PS 201	small cooling circuit pump 2	15	0,4	0	SO 201	0,0 m			
PS 201	auxiliary pump for small cooling circuit 3	15	0,4	-1	SO 201	0,0 m			
PS 201	auxiliary pump for small cooling circuit 4	15	0,4	-2	SO 201	0,0 m			
PS 202	rotary screw silo WCh 1	55	0,4	1	SO 201	18,0 m			
PS 202	lifting screw silo WCh 1	15	0,4	1	SO 201	18,0 m	controlled FM	ready/on	
PS 202	auger drive Silo WCh 1	3	0,4	1	SO 201	18			
PS 202	lifting screw silo WCh 2	15	0,4	0	SO 201	18,0 m	controlled FM	ready/on	
PS 202	auger drive Silo WCh 1	3	0,4	1	SO 201	18			
PS 202	Rotary silo feeder MFV	2	0,4	0,1	SO 201	18,0 m	controlled FM		
PS 202	rotary screw silo WCh 2	55	0,4	0	SO 201	18,0 m			
PS 203	MFA transport auger silo	15	0,4	0,1	SO 201	18,0 m			
PS 203	Silo sorbent dedusting	2	0,4	1	SO 201	24	Secondary switchboard		
PS 203	Silo sorbent outlet clamp				SO 201	18 m			
ps 204	TKF ash conveyor cooling screw L	3	0,4	1	SO 201	0,0 m		ready/on	

ps 204	TKF ash conveyor cooling screw P	3	0,4	1	SO 201	0,0m		ready/on	
PS 204	Ash sorter	2	0,4	1	SO 201	0,0m			
PS 204	dusting of the MFV tank	2	0,4	0	SO 201	18,0 m		ready/on	
PS 204	Industrial vacuum cleaner	15	0,4	0	SO 201				
PS 201	PV primary fan	450	0,4	1	SO201	SO201/0,0 m	controlled FM, in r26	0-100%	can also be connected to 6kV from the new HV substation
PS 201	SV secondary fan	380	0,4	1	SO201	SO201/0,0 m	controlled FM, in r26	0-100%	can also be connected to 6kV from the new HV substation
PS 201	shut-off flap in the PV intake	0,7	0,4	0,01	SO201	SO201/0,0 m		O-Z	
PS 201	shut-off flap in the SV intake	0,7	0,4	0,01	SO201	SO201/0,0 m		O-Z	
PS 201	primary air control damper under the grate on the left	0,25	0,4	0,01	SO201	SO 201/0,0m		0-100%	
PS 201	primary air control damper under the grate on the right	0,25	0,4	0,01	SO201	SO 201/0,0m		0-100%	
PS 201	secondary air control damper lower front	0,25	0,4	0,01	SO201	SO 201/0,0m		0-100%	
PS 201	regulační klapka sek.vzduchu secondary air control damper upp	0,25	0,4	0,01	SO201	SO 201/0,0m		0-100%	
PS 201	secondary air control damper lower rear	0,25	0,4	0,01	SO201	SO 201/0,0m		0-100%	
PS 201	secondary air control damper upper rear	0,25	0,4	0,01	SO201	SO 201/0,0m		0-100%	
PS 201	flue gas recirculation damper	0,25	0,4	0,01	SO201	SO 201/+6,0 m		O-Z	
PS 201	main steam cap	0,45	0,4	0,01	SO201	SO 201/+38 m		O-Z	
PS 201	main steam cap - bypass	0,45	0,4	0,01	SO201	SO 201/+38 m		O-Z	
PS 201	trumpets	0,25	0,4	0,01	SO201	SO 201/+38 m		0-100%	
PS 201	Trumpet cap	0,7	0,4	0,01	SO201	SO 201/+38 m		O-Z	
PS 201	drum water drain valve	0,25	0,4	0,01	SO201	SO 201/+38 m		0-100%	
PS 201	relief valve	0,25	0,4	0,5	SO201	SO 201/+11,2m		0-100%	
PS 201	power supply slide 1	0,3	0,4	0,01	SO201	SO 201/+11,2m		O-Z	
PS 201	supply valve 1	0,25	0,4	0,5	SO201	SO 201/+11,2m		0-100%	
PS 201	power supply slide 2	0,3	0,4	0,01	SO201	SO 201/+11,2m		O-Z	
PS 201	supply valve 2	0,25	0,4	0,5	SO201	SO 201/+11,2m		0-100%	
PS 201	injection valve 1	0,25	0,4	0,5	SO201	SO 201/+11,2m		0-100%	
PS 201	injection valve 2	0,25	0,4	0,5	SO201	SO 201/+11,2m		0-100%	
PS 201	three-way valve in front of EKO	0,25	0,4	0,01	SO201	SO 201/+11,2m		0-100%	
PS 201	grid ventilation flap	0,15	0,4	0,01	SO201	SO 201/+0,0m		ready/on	
PS 201	gas burner 1	4	0,4	0	SO201	SO 201/+12 m	Part of burner cabinet No.1	0-100%	
PS 201	gas burner 2	4	0,4	0	SO201	SO 201/+12 m	Part of burner cabinet No.2	0-100%	
PS 201	burner housing No.1	22	0,4	0	SO201	SO 201/+12 m	Secondary switchboard	V/Z	
PS 201	burner power control		0,4	0	SO201	SO 201/+12 m	Part of burner cabinet No.1	0-100%	
PS 201	burner housing No.2	22	0,4	0	SO201	SO 201/+12 m	Secondary switchboard	V/Z	
PS 201	burner power control	1	0,4	0	SO201	SO 201/+12 m	Part of burner cabinet No.2	0-100%	
PS 201	conductivity measuring switchboard	1,5	0,4	1	SO201	SO 201/+0,0 m		permanently powered	
PS 204	spiral conveyor from louvered separator 1	3	0,4	1	SO201	SO 201/+0,0m	controlled FM	V-Z	
PS 204	spiral conveyor from louvered separator 2	3	0,4	1	SO201	SO 201/+0,0m	controlled FM	V-Z	
PS 204	rotary sinker feeder 1	2,2	0,4	1	SO201	SO 201/+0,0m		V-Z	
PS 204	rotary sinker feeder 2	2,2	0,4	1	SO201	SO 201/+0,0m		V-Z	
PS 204	lens of ash forgiveness from the grate 2	0,15	0,23	0,01	SO201	SO 201/+0,0m		ready/on	
PS 204	lens of ash forgiveness from the grate 2	0,15	0,23	0,01	SO201	SO 201/+0,0m		ready/on	
PS 201	shut-off damper flue fan	0,7	0,4	0,01	SO 202	SO 202/0,0m		O-Z	
PS 203	power supply for the fabric filter	15	0,4	1	SO 202	18,0 m	in r26	permanently powered	
PS 204	TKF heating of hoppers 1	6	0,4	1	SO 202	0,0 m			

LV:
new switchboard RM_SO203 (7poles, 630A, 40kA, dimensions 5240x2200x600mm, l x h x d)
The new switchboard RM_SO203 in SO 203,204 will be used to power the new appliances in SO 203- SO 204. Connected from existing switchboard 80,90BFB, 3 fields will be added to the existing fields.

PS 104	Belt conveyor PD13 B	45	0,4	1	SO 203	K 80/45m		K80	part of OB1 - cables to be supplied by OB1
PS 104	Belt conveyor PD13 C	45	0,4	0	SO 203	K 80/45m		K90	part of OB1 - cables to be supplied by OB1
PS 104	Transverse belt conveyor PD15 A K 80/90	5,5	0,4	1	SO 203	K 80/45m		K80	part of OB1 - cables to be supplied by OB1
PS 104	Transverse belt conveyor PD15 B K80/90	5,5	0,4	0	SO 203	K 80/45m		K90	part of OB1 - cables to be supplied by OB1
PS 104	Driveway PD 15 A	1,1	0,4	1	SO 203	K 80/45m		K80	part of OB1 - cables to be supplied by OB1
PS 104	Longitudinal belt conveyor PD16 A K 80/90	7,5	0,4	1	SO 203	K 80/45m		K80	part of OB1 - cables to be supplied by OB1
PS 104	Longitudinal belt conveyor PD16 B K 80/91	7,5	0,4	1	SO 203	K 80/45m		K90	part of OB1 - cables to be supplied by OB1
PS 104	Driveway PD 16 A	1,1	0,4	1	SO 203	K 80/45m		K90	part of OB1 - cables to be supplied by OB1
PS 104	Electric hoist tower K 80/90	3,5	0,4	0	SO 203	~45 m		K80	part of OB1 - cables to be supplied by OB1
PS 106	Technological HVAC-dedusting of transport of WCh K80/90	45	0,4	1	SO 203	45 m		K80	part of OB1 - cables to be supplied by OB1
PS 202	rotary screw silo WCh 1 K 80	55	0,4	1	SO 203	30 m		K80	
PS 202	Discharging screw silo WCh 1 K 80	15	0,4	1	SO 203	30 m	controlled FM	K80	
PS 202	auger drive Silo WCh 1 K 80	3	0,4	1	SO 203	30 m		K80	
PS 202	rotary screw silo WCh K 80	55	0,4	1	SO 203	30 m		K80	
PS 202	Discharging screw silo WCh 2 K 80	15	0,4	1	SO 203	30 m	controlled FM	K80	
PS 202	auger drive Silo WCh 2 K 80	3	0,4	1	SO 203	30 m		K80	
PS 202	rotary screw silo WCh 1 K 90	55	0,4	1	SO 203	30 m		K90	
PS 202	discharge screw silo WCh 1 K 90	15	0,4	1	SO 203	30 m	controlled FM		
PS 202	auger drive Silo WCh 1 K 90	3	0,4	1	SO 203	30 m			
PS 202	rotary screw silo WCh 2 K 90	55	0,4	1	SO 203	30 m			
PS 202	discharge screw silo WCh 2 K 90	15	0,4	1	SO 203	30 m	controlled FM	K90	
PS 202	auger drive Silo WCh 2 K 90	3	0,4	1	SO 203	30 m			
PS 105	Driveway PD 15 B	1,1	0,4	1	SO 204	K 80/45m		K90	part of OB1 - cables to be supplied by OB1
PS 105	Driveway PD 16 B	1,1	0,4	0	SO 204	K 80/45m		K90	part of OB1 - cables to be supplied by OB1
PS 201	emission measurement switchboard	3	0,4	1	SO 204	SO 204 0,0 m		permanently powered	
PS 201	Pipe heating - urea	3	0,4	1	SO 204	0,0 m		K80	
PS 201	Demivoda pipe heating	4	0,4	1	SO 204	0,0 m		K80	
PS 201	Underfloor heating pipes Cold water	4	0,4	1	SO 204	0,0 m		K80	