Item No.	Equipment Tag Number (KKS)									Spec No.	Equipment Name	Description of Spare Items	Manufacturer's Part Identification	Qty per two Units		Sketch	Cross Reference Drawing	Frequency of replacement	Remarks	
	Level 0 (Total Plant)	Level 1 (System Code)			Level 2 (Equipment Code)			Level 3 (Component Code)												
	G	F_0	$F_1F_2F_3$	F_N	A_1A_2	A_N	A_3	B_1B_2	B_N					Qty	(nr., pcs, set, etc)	(See Item 2.11 of Instrn Sht)	(See Item 2.12 of Instrn Sht)		Item No. of CDA	Qty difference from Qty of CDA
254	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.1300		Analog Output Module		2	pcs		TBD	1 years	B3-5-SP-64	
255	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.1300		Solenoid valves		8	pcs		TBD	1 years	B3-5-SP-65	
256	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.1300		Relay		10	pcs		TBD	1 years	B3-5-SP-66	
257	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.1300		Circuit breaker		2	pcs		TBD	1 years	B3-5-SP-67	
258	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.1300		Button		6	pcs		TBD	1 years	B3-5-SP-68	
259	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.1300		Rotary switch 1#		6	pcs		TBD	1 years	B3-5-SP-69	
260	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.1300		Rotary switch 2#		6	pcs		TBD	1 years	B3-5-SP-70	
261	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.1300		Indicator lamp For panels		10	pcs		TBD	1 years	B3-5-SP-71	
262	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.1300		Wiring terminalFor panels		40	pcs		TBD	1 years	B3-5-SP-72	
263	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.1300		Reference electrode (For pH meter)For pH meter		1	pcs		TBD	2 years	B3-5-SP-73	
264	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.1300		Set of electrode gaskets (For pH meter)Gaskets or O ring for pH meter		3	pcs		TBD	1 years	B3-5-SP-74	
265	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.1300		Temperature compensator (For pH meter)Electrode cable for pH meter		3	pcs		TBD	1 years	B3-5-SP-75	
266	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.1300		Lamp Assy (For Turbidity meter)For turbidity analyzer		1	pcs		TBD	2 years	B3-5-SP-76	
267	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.1300		Fuse (For Turbidity meter)For turbidity analyzer		1	pcs		TBD	2 years	B3-5-SP-77	
268	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.1300		Formazine 4000 NTU stock solution (For Turbidity meter)For turbidity analyzer		1	pcs		TBD	2 years	B3-5-SP-78	
269	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.1300		Pressure gaugeFor SWRO/BWRO units		2	pcs		TBD	1 years	B3-5-SP-79	
270	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.1300		Diaphragm For diaphragm valves		1	pcs		TBD	2 years	B3-5-SP-80	
271	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.1300		Seal for butterfly valveFor butterfly valves		1	pcs		TBD	2 years	B3-5-SP-81	
272	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.1300		Gasket for manholeFor vessels		2	pcs		TBD	1 years	B3-5-SP-82	
273	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.1300		Metering pump O-ringFor metering pumps		3	pcs		TBD	1 years	B3-5-SP-83	
274	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.1300		Metering pump seatsFor metering pumps		3	pcs		TBD	1 years	B3-5-SP-84	
275	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.1300		Metering pump lip sealFor metering pumps		3	pcs		TBD	1 years	B3-5-SP-85	
276	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.1300		Metering pump valve ballFor metering pumps		3	pcs		TBD	1 years	B3-5-SP-86	
277	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.1300		Metering pump membraneFor metering pumps		3	pcs		TBD	1 years	B3-5-SP-87	
278	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.1300		Centrifugal pump bearingsFor centrifugal pumps		2	pcs		TBD	1 years	B3-5-SP-88	
279	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.1300		Centrifugal pump bearingsFor centrifugal pumps		1	pcs		TBD	2 years	B3-5-SP-89	
280	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.1300		Blower roller bearingFor blowers		1	pcs		TBD	2 years	B3-5-SP-90	
281	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.1300		Blower ball bearingFor blowers		1	pcs		TBD	2 years	B3-5-SP-91	
282	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.1300		Bower air filter elementFor blowers		1	pcs		TBD	2 years	B3-5-SP-92	
283	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.1300		Blower lip sealFor blowers		1	pcs		TBD	2 years	B3-5-SP-93	
284	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.1300		Blower roller bearingFor blowers		1	pcs		TBD	2 years	B3-5-SP-94	
285	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.1300		Blower ball bearingFor blowers		1	pcs		TBD	2 years	B3-5-SP-95	
286	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.1300		Bower air filter elementFor blowers		1	pcs		TBD	2 years	B3-5-SP-96	
287	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.1300		Blower lip sealFor blowers		1	pcs		TBD	2 years	B3-5-SP-97	
288	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.1300		Blower beltFor blowers		2	pcs		TBD	1 years	B3-5-SP-98	
289	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.1300		SealFor centrifugal pumps		9	pcs		TBD	1 years	B3-5-SP-99	
290	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.1300		SealFor centrifugal pumps		9	pcs		TBD	1 years	New Item	
											Process and Sanitary WWT System									
291	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.2100		Analog Output Module		1	pcs		TBD	2 years	New Item	
292	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.2100		Solenoid valves		8	pcs		TBD	1 year	New Item	
293	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.2100		Relay		20	pcs		TBD	1 year	New Item	
294	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.2100		Circuit breaker		4	pcs		TBD	1 year	New Item	
295	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.2100		Button		12	pcs		TBD	1 year	New Item	
296	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.2100		Rotary switch		12	pcs		TBD	1 year	New Item	
297	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.2100		Rotary switch		12	pcs		TBD	1 year	New Item	
298	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.2100		Indicator lamp		20	pcs		TBD	1 year	New Item	
299	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.2100		Wiring terminal		80	pcs		TBD	1 year	New Item	
300	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.2100		Spare of fuse analyzer		1	pcs		TBD	2 years	New Item	
301	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.2100		Terminal		100	pcs		TBD	1 year	New Item	
302	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.2100		Digital Input Module		2	pcs		TBD	1 year	New Item	
303	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.2100		Digital Output Module		2	pcs		TBD	1 year	New Item	
304	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.2100		Analog Input Module		1	pcs		TBD	2 years	New Item	
305	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.2100		Analog Output Module		1	pcs		TBD	2 years	New Item	
306	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.2100		Solenoid valves		8	pcs		TBD	1 year	New Item	
307	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.2100		Relay		10	pcs		TBD	1 year	New Item	
308	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.2100		Circuit breaker		2	pcs		TBD	1 year	New Item	
309	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.2100		Button		6	pcs		TBD	1 year	New Item	
310	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.2100		Rotary switch 1#		6	pcs		TBD	1 year	New Item	
311	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.2100		Rotary switch 2#		6	pcs		TBD	1 year	New Item	
312																				
313											**Coal Runoff WWT System**									
314	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.2104		Pump sealfor slurry and sludge pump		2	pcs	TBD	TBD	2 years	B3-19-SP-9	
315	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.2104		Pump bearingfor wastewater transfer pump and wastewater discharge pump; wastewater reuse pump, filter backwash pump		1	pcs	TBD	TBD	2 years	B3-19-SP-10	
316	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.2104		Diaphragm for each type of diaphragm valves		1	pcs	TBD		2 years	B3-19-SP-1	
317	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.2104		Seal for butterfly valvefor each type of butterfly valves		1	pcs	TBD		2 years	B3-19-SP-2	
318	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.2104		Air blower belt		2	pcs	TBD	TBD	1 years	B3-19-SP-4	
319	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.2104		Gasket for manholeDN500		2	pcs	TBD		4 years	B3-19-SP-3	4→2
320	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.2104		Pressure gaugewika		2	pcs	TBD	TBD	1 year	B3-19-SP-12	
321	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.2104		pressure switchSOR		1	pcs	TBD	TBD	2 years	B3-19-SP-13	2→1
322	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	65.2104		Solenoid valvesASCO		2	pcs	TBD	TBD	1 year	B3-19-SP-5	3→2