



**MECHANICAL EQUIPMENT LIST**  
 Tin One Mining  
 Srymbet Feasibility Study  
 #REF!  
 TOM UPDATE - Version 2

Status	Number	Description	Rev	Project Phase	Major Equip	Type	Scope of Supply	Mandatory for PG	Already offered or not
		Courier 6X SL				Analyzer	Metso	Y	Y
		PSI 300i				Analyzer	Metso	Y	Y
	2110-SR-0001	Oxide ROM Bin Static Grizzly	A	Phase 1		Bin	Others	N	N
	2110-BN-0002	Oxide ROM Bin	A	Phase 1		Bin	Others	N	N
	2110-ZA-0003	Oxide ROM Bin Chute	A	Phase 1		Chute	Others	N	N
Updated	2110-FD-0007	Primary Sizer Apron Feeder	B	Phase 1	1	Feeder	Metso	N	N
	2110-CV-0008	Apron Feeder Dribblings Conveyor	A	Phase 1		Conveyor	Others	N	N
Updated	2110-ZA-0009	Apron Feeder Discharge Chute	A	Phase 1		Chute	Others	N	N
	2110-CR-0010	Primary Sizer	A	Phase 1	1	Crusher	Others	N	N
Updated	2110-ZA-0011	Apron Feeder Dribblings Chute	A	Phase 1		Chute	Others	N	N
Updated	2110-ZA-0012	Primary Sizer Discharge Chute	A	Phase 1		Chute	Others	N	N
Updated	2110-ZA-0014	Primary Sizer Discharge Conveyor Head Chute	A	Phase 1		Chute	Others	N	N
Updated	2110-BN-0015	Tramp Metal Bin	B	Phase 1		Bin	Others	N	N
	2110-EE-0016	Tramp Metal Magnet	A	Phase 1	1	Magnet	Others	N	N
Updated	2110-PP-0017	Oxide Crushing Area Spillage Pump	B	Phase 1		Spillage Pump	Others	N	Y
Updated	2110-XL-0019	Oxide Crushing Area Monorail Hoist	B	Phase 1		Hoist	Others	N	N
	2110-SR-0020	Sizer Protection Screen	A	Phase 1		Static Screen	Others	N	N
Added	2110-HA-0021	Oxide Crushing Area Mobile Air Compressor	B	Phase 1		Compressor	Others	N	N
Updated	2120-ZA-0051	Coarse Ore Feed Chute	A	Phase 1		Chute	Others	N	N
	2120-CV-0052	Scrubber Feed Conveyor	A	Phase 1		Conveyor	Others	N	N
	2120-ZM-0053	Scrubber Feed Conveyor Weightometer	A	Phase 1	1	Weightometer	Others	N	N
Updated	2120-ZA-0054	Feed Conveyor Head Chute	A	Phase 1		Chute	Others	N	N
Updated	2120-ML-0055	Scrubber	A	Phase 1	1	Scrubber	Metso	N	N
Updated	2120-ZA-0056	Scrubber Discharge Screen Feed Box	A	Phase 1		Feed Box	Metso	N	N
Updated	2120-SR-0057	Scrubber Discharge Screen	B	Phase 1	1	Screen	Metso	N	N
Updated	2120-ZA-0058	Scrubber Screen Underpan	A	Phase 1		Underpan	Metso	N	N
Updated	2120-ZA-0059	Scrubber Screen O/S Chute	A	Phase 1		Chute	Others	N	N
Updated	2120-ZA-0060	Scrubber Screen Midsize Chute	A	Phase 1		Chute	Others	N	N
Updated	2120-PP-0061	Scrubber Area Spillage Pump	B	Phase 1		Spillage Pump	Others	N	Y
Updated	2120-PP-0062	Oxide Classification Cyclone Cluster Feed Pump #1	B	Phase 1		Pump	Others	N	N
Updated	2120-PP-0063	Oxide Classification Cyclone Cluster Feed Pump #2 (Standby)	B	Phase 1		Pump	Others	N	N
Updated	2120-ZA-0064	Oxide Classification Cyclone Cluster Feed Pumpbox	B	Phase 1		Pump Box	Others	N	N
Updated	2120-ZA-0066	Oxide Ore Feed Chute	A	Phase 1		Chute	Others	N	N
	2120-CV-0067	Ore Transfer Conveyor	A	Phase 1		Conveyor	Others	N	N
Updated	2120-ZA-0068	Ore Transfer Conveyor Head Chute	B	Phase 1		Chute	Others	N	N
	2120-ES-0070	Eyewash Station	A	Phase 1		Eyewash	Others	N	N
	2120-SR-0071	Scrubber Trommel	A	Phase 1		Trommel	Others	N	N
Updated	2120-BN-0072	Trash Bin	A	Phase 1		Bin	Others	N	N
	2120-ZM-0073	Scrubber Media Charge Hopper	A	Phase 1		Hopper	Others	N	N
Updated	2120-ZA-0074	Screen Midsize Feed Chute	A	Phase 1		Chute	Others	N	N
Updated	2130-SR-0101	ROM Bin Grizzly	B	Phase 1		Static Screen	Others	N	N
Updated	2130-BN-0102	ROM Bin	B	Phase 1		Bin	Others	N	N
Updated	2130-FD-0103	ROM Vibrating Grizzly Feeder	B	Phase 1	1	Feeder	Metso	Y	Y
Updated	2130-ZA-0104	Grizzly O/S Chute	A	Phase 1		Chute	Others	N	N
Updated	2130-FD-0105	ROM Bin Discharge Apron Feeder	B	Phase 1	1	Feeder	Metso	Y	Y
	2130-ZA-0106	Grizzly U/S Chute	A	Phase 1		Chute	Others	N	N
Updated	2130-ZA-0107	Apron Feeder Dribblings Chute	A	Phase 1		Chute	Others	N	N
Updated	2130-ZA-0108	Apron Feeder Discharge Chute	A	Phase 1		Chute	Others	N	N
Updated	2130-CR-0109	Primary Crusher	B	Phase 1	1	Crusher	Metso	Y	Y
Updated	2130-ZA-0110	Primary Crusher Discharge Chute	A	Phase 1		Chute	Others	N	N
Updated	2130-CV-0111	Primary Crusher Sacrificial Conveyor	B	Phase 1		Conveyor	Metso	Y	N
Updated	2130-ZM-0112	Primary Crusher Sacrificial Conveyor Weightometer	B	Phase 1	1	Weightometer	Metso	Y	N



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Status	Number	Description	Rev	Project Phase	Major Equip	Type	Scope of Supply	Mandatory for PG	Already offered or not
Updated	2130-DC-0113	Primary Crusher Dust Collector	B	Phase 1	1	Dust Collector	Others	N	N
Updated	2130-HB-0114	Primary Crusher Dust Collector Fan	B	Phase 1		Fan	Others	N	N
	2130-FD-0115	Rotary Feeder	A	Phase 1		Feeder	Others	N	N
Updated	2130-ZA-0116	Dust Chute	A	Phase 1		Chute	Others	N	N
Updated	2130-EE-0117	Primary Crusher Sacrificial Conveyor Belt Magnet	B	Phase 1	1	Magnet	Others	N	N
Updated	2130-ZA-0118	Sacrificial Conveyor Head Chute	A	Phase 1		Chute	Others	N	N
Updated	2130-BN-0119	Primary Crusher Trash Bin	B	Phase 1		Bin	Others	N	N
Updated	2130-XL-0120	Primary Crusher Maintenance Monorail Hoist #1	B	Phase 1		Hoist	Others	N	N
Added	2130-XL-0125	Primary Crusher Maintenance Monorail Hoist #2	B	Phase 1		Hoist	Others	N	N
Updated	2130-ZM-0121	Primary Crusher Lube System	B	Phase 1	1	Lube System	Metso	Y	Y
	2130-CV-0122	Apron Feeder Dribblings Conveyor	A	Phase 1		Conveyor	Metso	Y	N
Updated	2130-ZM-0123	Rock Breaker	B	Phase 1	1	Rock Breaker	Others	N	N
Updated	2130-ZA-0124	ROM Bin Chute	B	Phase 1		Chute	Others	N	N
Updated	2140-ZM-0152	Conveyor Metal Detector	B	Phase 1		Metal Detector	Others	N	N
Updated	2140-ZA-0154	Screen O/S Return Chute	A	Phase 1		Chute	Others	N	N
Updated	2140-ZA-0155	Secondary Screen O/S Chute	A	Phase 1		Chute	Others	N	N
Updated	2140-ZA-0156	Secondary Screen Midsize Chute	A	Phase 1		Chute	Others	N	N
Updated	2140-SR-0158	Secondary Crusher Screen	B	Phase 1	1	Screen	Metso	Y	Y
	2140-ZA-0159	Secondary Screen Underpan	A	Phase 1		Underpan	Metso	Y	N
Updated	2140-BN-0160	Secondary Crusher Surge Bin	B	Phase 1		Bin	Metso	Y	N
	2140-FD-0162	Secondary Crusher Feeder #1	A	Phase 1		Feeder Conveyor	Metso	Y	N
	2140-FD-0163	Secondary Crusher Feeder #2	A	Phase 1		Feeder Conveyor	Metso	Y	N
Updated	2140-ZA-0164	Secondary Crusher Feed Chute #1	A	Phase 1		Chute	Metso	Y	N
Updated	2140-ZA-0165	Secondary Crusher Feed Chute #2	A	Phase 1		Chute	Metso	Y	N
Updated	2140-CR-0166	Secondary Crusher #1	B	Phase 1	1	Crusher	Metso	Y	Y
Updated	2140-CR-0167	Secondary Crusher # 2 (Standby)	B	Phase 1	1	Crusher	Metso	Y	Y
Updated	2140-ZA-0168	Secondary Crusher Discharge Chute #1	A	Phase 1		Chute	Others	N	N
Updated	2140-ZA-0169	Secondary Crusher Discharge Chute #2	A	Phase 1		Chute	Others	N	N
Added	2140-CV-0192	Transfer Conveyor #1	B	Phase 1		Conveyor	Others	N	N
Added	2140-ZA-0193	Transfer Conveyor #1 Discharge Chute	B	Phase 1		Chute	Others	N	N
Updated	2140-CV-0170	Transfer Conveyor #2	B	Phase 1		Conveyor	Others	N	N
Updated	2140-ZA-0171	Transfer Conveyor #2 Discharge Chute	B	Phase 1		Chute	Others	N	N
Updated	2140-CV-0172	Fine Ore Transfer Conveyor #1	B	Phase 1		Conveyor	Others	N	N
Updated	2140-ZA-0173	Fine Ore Transfer Conveyor #1 Discharge Chute	B	Phase 1		Chute	Others	N	N
Added	2140-CV-0190	Fine Ore Transfer Conveyor #2	B	Phase 1		Conveyor	Others	N	N
Added	2140-ZA-0191	Fine Ore Transfer Conveyor #2 Discharge Chute	B	Phase 1		Chute	Others	N	N
Updated	2140-CV-0174	Oversize Transfer Conveyor	B	Phase 1		Conveyor	Others	N	N
Updated	2140-ZA-0175	Transfer Conveyor Discharge Chute	B	Phase 1		Chute	Others	N	N
Updated	2140-ZA-0176	Dust Feed Chute	A	Phase 1		Chute	Others	N	N
Updated	2140-DC-0177	Cone Crusher Dust Collector	B	Phase 1	1	Dust Collector	Others	N	N
Updated	2140-HB-0178	Cone Crusher Dust Collector Fan	B	Phase 1		Fan	Others	N	N
	2140-FD-0179	Rotary Feeder	A	Phase 1		Feeder	Others	N	N
Updated	2140-XL-0180	Secondary Crusher Maintenance Monorail Hoist #1	B	Phase 1		Hoist	Others	N	N
Added	2140-XL-0188	Secondary Crusher Maintenance Monorail Hoist #2	B	Phase 1		Hoist	Others	N	N
Updated	2140-ZM-0181	Secondary Crusher #1 Lube Unit	B	Phase 1	1	Lube System	Metso	Y	Y
Added	2140-ZM-0189	Secondary Crusher #2 Lube Unit	B	Phase 1	1	Lube System	Metso	Y	Y
	2140-ES-0182	Eyewash Station	A	Phase 1		Eyewash	Others	N	N
Updated	2140-ZA-0183	Oxide O/S Chute	A	Phase 1		Chute	Others	N	N
Updated	2140-ZA-0184	Primary Crushed Ore Chute	A	Phase 1		Chute	Others	N	N
Updated	2140-ZM-0186	Transfer Conveyor Weightometer	B	Phase 1	1	Weightometer	Metso	Y	N
Updated	2140-ZM-0187	Fine Ore Transfer Conveyor Weightometer	B	Phase 1	1	Weightometer	Metso	Y	N
Updated	2210-BN-0251	Fine Ore Storage	A	Phase 1		Bin	Others	N	N
Updated	2210-ZA-0252	Bin Chute #1	A	Phase 1		Chute	Others	N	N
Updated	2210-ZA-0253	Bin Chute #2	A	Phase 1		Chute	Others	N	N
Updated	2210-FD-0255	Fine Ore Reclaim Feeder #1	A	Phase 1		Feeder Conveyor	Metso	Y	N



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	2210-FD-0256	Fine Ore Reclaim Feeder #2	A	Phase 1		Feeder Conveyor	Metso	Y	N
Updated	2210-ZA-0258	Feeder #1 Discharge Chute	A	Phase 1		Chute	Others	N	N
Updated	2210-ZA-0259	Feeder #2 Discharge Chute	A	Phase 1		Chute	Others	N	N
	2210-CV-0261	Mill Feed Conveyor	A	Phase 1		Conveyor	Others	N	N
Updated	2210-ZA-0262	Mill Feed Conveyor Head Chute	A	Phase 1		Chute	Others	N	N
	2210-ZM-0263	Ball Charging Kibble	A	Phase 1		Kibble	Metso	N	N
Updated	2210-ZA-0264	Ball Loading Chute	A	Phase 1		Chute	Metso	N	N
Updated	2210-ZA-0265	Ball Mill Feed Launder	A	Phase 1		Launder	Metso	Y	N
Updated	2210-ML-0266	Ball Mill	A	Phase 1	1	Mill	Metso	Y	Y
	2210-SR-0267	Ball Mill Trommel	A	Phase 1		Trommel	Metso	Y	N
Updated	2210-BN-0268	Trash Bin	A	Phase 1		Chute	Others	N	N
Updated	2210-ZA-0269	Ball Mill Discharge Chute	A	Phase 1		Chute	Metso	Y	N
	2210-ZA-0270	Ball Mill Discharge Pumpbox	A	Phase 1		Pump Box	Metso	N	N
Updated	2210-PP-0271	Ball Mill Discharge Pump #1	B	Phase 1		Pump	Metso	Y	Y
Updated	2210-PP-0272	Ball Mill Discharge Pump #2 (Standby)	B	Phase 1		Pump	Metso	Y	Y
Updated	2210-SR-0273	Mill Scats Screen	B	Phase 1	1	Screen	Metso	N	N
Updated	2210-ZA-0274	Scats Screen O/S Chute	A	Phase 1		Chute	Others	N	N
Updated	2210-ZA-0275	Scats Screen Underpan	A	Phase 1		Underpan	Others	N	N
Updated	2210-PP-0276	Grinding Area Spillage Pump #1	B	Phase 1		Spillage Pump	Metso	N	Y
	2210-ZM-0277	Primary Mill Lube Unit	A	Phase 1	1	Lube System	Metso	Y	Y
	2210-ZM-0278	Primary Mill Kibble Loading Hopper	A	Phase 1		Hopper	Metso	Y	N
	2210-ZA-0279	Mill Cyclone Feed Pumpbox	A	Phase 1		Pump Box	Metso	N	Y
Updated	2210-PP-0280	Mill Cyclone Feed Pump #1	B	Phase 1		Pump	Metso	Y	Y
Updated	2210-PP-0281	Mill Cyclone Feed Pump #2 (Standby)	B	Phase 1		Pump	Metso	Y	Y
	2210-CL-0282	Mill Cyclone Cluster	A	Phase 1	1	Cyclone	Metso	Y	N
Updated	2210-ZA-0283	Mill Screen Feed Box	A	Phase 1		Feed Box	Metso	Y	N
Updated	2210-SR-0284	Mill Classification Screen #1	B	Phase 1	1	Screen	Metso	Y	Y
Updated	2210-SR-0285	Mill Classification Screen #2	B	Phase 1	1	Screen	Metso	Y	Y
Updated	2210-SR-0286	Mill Classification Screen #3	B	Phase 1	1	Screen	Metso	Y	Y
Updated	2210-SR-0287	Mill Classification Screen #4	B	Phase 1	1	Screen	Metso	Y	Y
Added	2210-SR-0311	Mill Classification Screen #5 (Standby)	B	Phase 1	1	Screen	Metso	Y	Y
Updated	2210-ZA-0288	Mill Screen #1 O/S Chute	A	Phase 1		Chute	Others	N	N
Updated	2210-ZA-0289	Mill Screen #1 Underpan	A	Phase 1		Underpan	Others	N	N
Updated	2210-ZA-0290	Mill Screen #2 O/S Chute	A	Phase 1		Chute	Others	N	N
Updated	2210-ZA-0291	Mill Screen #2 Underpan	A	Phase 1		Underpan	Others	N	N
Updated	2210-ZA-0292	Mill Screen #3 O/S Chute	A	Phase 1		Chute	Others	N	N
Updated	2210-ZA-0293	Mill Screen #3 Underpan	A	Phase 1		Underpan	Others	N	N
Updated	2210-ZA-0294	Mill Screen #4 O/S Chute	A	Phase 1		Chute	Others	N	N
Updated	2210-ZA-0295	Mill Screen #4 Underpan	A	Phase 1		Underpan	Others	N	N
Added	2210-ZA-0312	Mill Screen #5 O/S Chute	B	Phase 1		Chute	Others	N	N
Added	2210-ZA-0313	Mill Screen #5 Underpan	B	Phase 1		Underpan	Others	N	N
Updated	2210-ZA-0299	Scats Screen Feed Box	A	Phase 1		Feed Box	Others	N	N
Updated	2210-XL-0300	Grinding Area Overhead Crane	B	Phase 1	1	Crane	Others	N	N
	2210-EE-0301	Ball Loading Magnet	A	Phase 1	1	Magnet	Others	N	N
	2210-XL-0302	Mill Relining Machine	A	Phase 1		Relining Machine			
	2210-ZM-0303	Bolt Hammer	A	Phase 1		Bolt Hammer			
Updated	2210-PP-0307	Grinding Area Spillage Pump #2	B	Phase 1		Spillage Pump	Metso	N	Y
	2210-EE-0308	Steel Removal Magnet	A	Phase 1	1	Magnet	Others	N	N
Updated	2210-BN-0309	Magnet Trash Bin	A	Phase 1		Bin	Others	N	N
	2210-ZM-0310	Mill Feed Conveyor Weightometer	A	Phase 1	1	Weightometer	Metso	Y	N
Updated	2150-TK-0351	Oxide Classification Cyclone Feed Tank	B	Phase 1		Tank	Metso	N	N
Added	2150-AG-0367	Oxide Classification Cyclone Feed Tank Agitator	B	Phase 1	1	Agitator	Metso	N	N
Updated	2150-PP-0352	Oxide Classification Cyclone Feed Pump #1	B	Phase 1		Pump	Metso	N	Y
Updated	2150-PP-0353	Oxide Classification Cyclone Feed Pump #2 (Standby)	B	Phase 1		Pump	Metso	N	Y
Updated	2150-CL-0354	Oxide Classification Cyclone Cluster	B	Phase 1	1	Cyclone	Metso	N	N
Added	2150-ZA-0371	Oxide Classification Cyclone O/F Pumpbox	B	Phase 1		Pump Box	Metso	N	N



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Added	2150-PP-0372	Oxide Classification Cyclone O/F Pump #1	B	Phase 1		Pump	Metso	N	Y
Added	2150-PP-0373	Oxide Classification Cyclone O/F Pump #2 (Standby)	B	Phase 1		Pump	Metso	N	Y
Updated	2150-ZA-0359	Oxide Classification Cyclone U/F Pumpbox	B	Phase 1		Pump Box	Metso	N	N
Updated	2150-PP-0360	Oxide Classification Cyclone U/F Pump #1	B	Phase 1		Pump	Metso	N	Y
Updated	2150-PP-0361	Oxide Classification Cyclone U/F Pump #2 (Standby)	B	Phase 1		Pump	Metso	N	Y
Updated	2150-TK-0362	Desliming Cyclone Feed Tank	B	Phase 1		Tank	Metso	N	N
Added	2150-AG-0368	Desliming Cyclone Feed Tank Agitator	B	Phase 1	1	Agitator	Metso	N	N
Updated	2150-PP-0363	Desliming Cyclone Feed Pump #1	B	Phase 1		Pump	Metso	N	Y
Updated	2150-PP-0364	Desliming Cyclone Feed Pump #2 (Standby)	B	Phase 1		Pump	Metso	N	Y
Updated	2150-CL-0365	Desliming Cyclone Cluster	B	Phase 1	1	Cyclone	Metso	N	N
Added	2150-ZA-0374	Desliming Cyclone O/F Pumpbox	B	Phase 1		Pump Box	Metso	N	N
Added	2150-PP-0375	Desliming Cyclone O/F Pump #1	B	Phase 1		Pump	Metso	N	Y
Added	2150-PP-0379	Desliming Cyclone O/F Pump #2 (Standby)	B	Phase 1		Pump	Metso	N	Y
Added	2150-ZA-0376	Desliming Cyclone U/F Pumpbox	B	Phase 1		Pump Box	Metso	N	N
Added	2150-PP-0377	Desliming Cyclone U/F Pump	B	Phase 1		Pump	Metso	N	Y
Added	2150-PP-0380	Desliming Cyclone U/F Pump #2 (Standby)	B	Phase 1		Pump	Metso	N	Y
Updated	2150-PP-0366	Oxide Classification Spillage Pump	B	Phase 1		Spillage Pump	Metso	N	Y
Added	2150-SA-0369	Desliming Cyclone Cluster O/F Sampler	B	Phase 1	1	Sampler	Metso	N	Y
Added	2150-SA-0370	Desliming Cyclone Cluster U/F Sampler	B	Phase 1	1	Sampler	Metso	N	Y
Added	2150-PP-0378	Desliming Area Spillage Pump	B	Phase 1		Spillage Pump	Metso	N	Y
		<b>SULPHIDE FLOTATION</b>							
	2310-SR-0451	Trash Screen - Linear Screen	A	Phase 1	1	Screen	Metso	Y	N
Updated	2310-ZA-0452	Trash Screen Feed Box	A	Phase 1		Feed Box	Metso	N	N
Updated	2310-ZA-0453	Trash Screen O/S Chute	A	Phase 1		Chute	Metso	N	N
Updated	2310-ZA-0454	Trash Screen Underpan	A	Phase 1		Underpan	Metso	N	N
Added	2310-ZA-0487	Trash Screen U/S Chute	B	Phase 1		Chute	Metso	N	N
Updated	2310-BN-0455	Trash Bin	A	Phase 1		Bin	Metso	N	N
	2310-TK-0456	Copper Rougher Conditioning Tank	B	Phase 1		Tank	Metso	Y	N
Updated	2310-AG-0457	Copper Rougher Conditioning Tank Agitator	A	Phase 1	1	Agitator	Metso	Y	N
Added	2310-PP-0505	Copper Rougher Feed Pump #1	B	Phase 1		Pump	Metso	Y	Y
Added	2310-PP-0506	Copper Rougher Feed Pump #2 (Standby)	B	Phase 1		Pump	Metso	Y	Y
Updated	2310-ZA-0458	Copper Rougher Feed Box	A	Phase 1		Feed Box	Metso	Y	N
Added	2310-SA-0448	Copper Rougher Feed Sampler	B	Phase 1	1	Sampler	Metso	Y	Y
	2310-FC-0459	Copper Rougher Cell #1	A	Phase 2	1	Float Cell	Metso	Y	Y
	2310-FC-0460	Copper Rougher Cell #2	A	Phase 2	1	Float Cell	Metso	Y	Y
	2310-FC-0461	Copper Rougher Cell #3	A	Phase 2	1	Float Cell	Metso	Y	Y
	2310-FC-0462	Copper Rougher Cell #4	A	Phase 2	1	Float Cell	Metso	Y	Y
	2310-FC-0480	Copper Rougher Cell #5	A	Phase 2	1	Float Cell	Metso	Y	Y
	2310-FC-0481	Copper Rougher Cell #6	A	Phase 2	1	Float Cell	Metso	Y	Y
Updated	2310-ZA-0463	Copper Rougher Concentrate Launder	A	Phase 2		Launder	Metso	Y	N
Added	2310-SA-0449	Copper Rougher Concentrate Sampler	B	Phase 2	1	Sampler	Metso	Y	Y
	2310-SA-0464	Copper Rougher Tailings Sampler	A	Phase 2	1	Sampler	Metso	Y	Y
Updated	2310-ZA-0483	Copper Rougher Tailings Pumpbox	B	Phase 2		Pump Box	Metso	N	N
Updated	2310-PP-0485	Copper Rougher Tailings Pump #1	B	Phase 2		Pump	Metso	Y	Y
Updated	2310-PP-0486	Copper Rougher Tailings Pump #2 (Standby)	A	Phase 2		Pump	Metso	Y	Y
Updated	2310-PP-0465	Sulphide Rougher Spillage Pump	A	Phase 2		Spillage Pump	Metso	N	N
Updated	2310-ZA-0466	Arsenopyrite Rougher Feed Box	A	Phase 2		Feed Box	Metso	Y	N
	2310-FC-0467	Arsenopyrite Rougher Cell #1	A	Phase 2	1	Float Cell	Metso	Y	Y
	2310-FC-0468	Arsenopyrite Rougher Cell #2	A	Phase 2	1	Float Cell	Metso	Y	Y
	2310-FC-0469	Arsenopyrite Rougher Cell #3	A	Phase 2	1	Float Cell	Metso	Y	Y
	2310-FC-0470	Arsenopyrite Rougher Cell #4	A	Phase 2	1	Float Cell	Metso	Y	Y
	2310-FC-0471	Arsenopyrite Rougher Cell #5	A	Phase 2	1	Float Cell	Metso	Y	Y
	2310-FC-0482	Arsenopyrite Rougher Cell #6	A	Phase 2	1	Float Cell	Metso	Y	Y
Updated	2310-ZA-0472	Arsenopyrite Rougher Concentrate Launder	A	Phase 2		Launder	Metso	Y	N
	2310-ZA-0473	Arsenopyrite Rougher Concentrate Pumpbox	A	Phase 2		Pump Box	Metso	N	N
Updated	2310-PP-0474	Arsenopyrite Rougher Concentrate Pump #1	B	Phase 2		Pump	Metso	Y	Y
Updated	2310-PP-0475	Arsenopyrite Rougher Concentrate Pump #2 (Standby)	B	Phase 2		Pump	Metso	Y	Y



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Status	Number	Description	Rev	Project Phase	Major Equip	Type	Scope of Supply	Mandatory for PG	Already offered or not
	2310-ZA-0476	Arsenopyrite Rougher Tailings Pumpbox	A	Phase 2		Pump Box	Metso	N	N
Updated	2310-PP-0477	Arsenopyrite Rougher Tailings Pump #1	B	Phase 2		Pump	Metso	Y	Y
Updated	2310-PP-0478	Arsenopyrite Rougher Tailings Pump #2 (Standby)	B	Phase 2		Pump	Metso	Y	Y
	2310-SA-0479	Arsenopyrite Rougher Tailings Sampler	A	Phase 2	1	Sampler	Metso	Y	Y
Added	2310-PP-0488	Arsenopyrite Rougher Spillage Pump	B	Phase 2		Pump	Metso	N	N
Added	2310-XL-0489	Copper Flotation Overhead Crane	B	Phase 2	1	Crane	Others	N	N
Updated	2320-TK-0490	Copper Rougher Concentrate Tank	B	Phase 2		Tank	Metso	Y	N
Added	2320-AG-0504	Copper Rougher Concentrate Tank Agitator	B	Phase 2	1	Agitator	Metso	Y	N
Updated	2320-PP-0491	Copper Rougher Concentrate Pump #1	B	Phase 2		Pump	Metso	Y	Y
Updated	2320-PP-0492	Copper Rougher Concentrate Pump #2 (Standby)	B	Phase 2		Pump	Metso	Y	Y
	2320-CL-0493	Copper Rougher Regrind Cyclone Cluster	A	Phase 2	1	Cyclone	Metso	Y	N
	2320-ZA-0494	Copper Regrind Mill Feed Pumpbox	A	Phase 2		Pump Box	Metso	N	N
Updated	2320-PP-0495	Copper Regrind Mill Feed Pump #1	B	Phase 2		Pump	Metso	Y	Y
Updated	2320-PP-0496	Copper Regrind Mill Feed Pump #2 (Standby)	B	Phase 2		Pump	Metso	Y	Y
Updated	2320-ML-0497	Copper Regrind Mill	A	Phase 2	1	Mill	Metso	Y	Y
Updated	2320-ZA-0498	Regrind Mill Media Hopper	A	Phase 2		Hopper	Metso	Y	N
Updated	2320-ZA-0499	Regrind Mill Media Chute	A	Phase 2		Chute	Metso	Y	N
	2320-ZA-0500	Copper 1st Cleaner Feed Pumpbox	A	Phase 2		Pump Box	Metso	N	N
Updated	2320-PP-0501	Copper 1st Cleaner Feed Pump #1	B	Phase 2		Pump	Metso	Y	Y
Updated	2320-PP-0502	Copper 1st Cleaner Feed Pump #2 (Standby)	B	Phase 2		Pump	Metso	Y	Y
	2320-SA-0503	Copper 1st Cleaner Feed Sampler	A	Phase 2	1	Sampler	Metso	Y	Y
Updated	2330-ZA-0514	Copper 1st Cleaner Feed Box	A	Phase 2		Feed Box	Metso	Y	N
	2330-FC-0515	Copper 1st Cleaner Cell #1	A	Phase 2	1	Float Cell	Metso	Y	Y
	2330-FC-0516	Copper 1st Cleaner Cell #2	A	Phase 2	1	Float Cell	Metso	Y	Y
	2330-FC-0517	Copper 1st Cleaner Cell #3	A	Phase 2	1	Float Cell	Metso	Y	Y
	2330-FC-0518	Copper 1st Cleaner Cell #4	A	Phase 2	1	Float Cell	Metso	Y	Y
Updated	2330-ZA-0519	Copper 1st Cleaner Concentrate Launder	A	Phase 2		Launder	Metso	Y	N
	2330-ZA-0520	Copper 1st Cleaner Concentrate Pumpbox	A	Phase 2		Pump Box	Metso	N	N
Updated	2330-PP-0521	Copper 1st Cleaner Concentrate Pump #1	B	Phase 2		Pump	Metso	Y	Y
Added	2330-PP-0522	Copper 1st Cleaner Concentrate Pump #2 (Standby)	B	Phase 2		Pump	Metso	Y	Y
Updated	2330-PP-0523	Sulphide Cleaner Spillage Pump	A	Phase 2		Spillage Pump	Metso	N	N
Updated	2330-ZA-0524	Copper 1st Cleaner Scavenger Feed Box	A	Phase 2		Feed Box	Metso	Y	N
	2330-FC-0525	Copper 1st Cleaner Scavenger Cell #1	A	Phase 2	1	Float Cell	Metso	Y	Y
	2330-FC-0526	Copper 1st Cleaner Scavenger Cell #2	A	Phase 2	1	Float Cell	Metso	Y	Y
	2330-FC-0527	Copper 1st Cleaner Scavenger Cell #3	A	Phase 2	1	Float Cell	Metso	Y	Y
	2330-FC-0528	Copper 1st Cleaner Scavenger Cell #4	A	Phase 2	1	Float Cell	Metso	Y	Y
Updated	2330-ZA-0529	Copper 1st Cleaner Scavenger Concentrate Launder	A	Phase 2		Launder	Metso	Y	N
	2330-ZA-0530	Copper 1st Cleaner Scavenger Concentrate Pumpbox	A	Phase 2		Pump Box	Metso	N	N
Updated	2330-PP-0531	Copper 1st Cleaner Scavenger Concentrate Pump #1	B	Phase 2		Pump	Metso	Y	Y
Added	2330-PP-0529	Copper 1st Cleaner Scavenger Concentrate Pump #2 (Standby)	B	Phase 2		Pump	Metso	Y	Y
	2330-ZA-0532	Copper 1st Cleaner Scavenger Tailings Pumpbox	A	Phase 3		Pump Box	Metso	N	N
Updated	2330-PP-0533	Copper 1st Cleaner Scavenger Tailings Pump #1	B	Phase 2		Pump	Metso	Y	Y
Added	2330-PP-0560	Copper 1st Cleaner Scavenger Tailings Pump #2 (Standby)	B	Phase 2		Pump	Metso	Y	Y
	2330-SA-0534	Copper 1st Cleaner Scavenger Tailings Sampler	A	Phase 2	1	Sampler	Metso	Y	Y
Updated	2330-ZA-0535	Copper 2nd Cleaner Feed Box	A	Phase 2		Feed Box	Metso	Y	N
	2330-FC-0536	Copper 2nd Cleaner Cell #1	A	Phase 2	1	Float Cell	Metso	Y	Y
	2330-FC-0537	Copper 2nd Cleaner Cell #2	A	Phase 2	1	Float Cell	Metso	Y	Y
	2330-FC-0538	Copper 2nd Cleaner Cell #3	A	Phase 2	1	Float Cell	Metso	Y	Y
	2330-FC-0539	Copper 2nd Cleaner Cell #4	A	Phase 2	1	Float Cell	Metso	Y	Y
Updated	2330-ZA-0540	Copper 2nd Cleaner Concentrate Launder	A	Phase 2		Launder	Metso	Y	N
	2330-ZA-0541	Copper 2nd Cleaner Concentrate Pumpbox	A	Phase 2		Pump Box	Metso	N	N
Updated	2330-PP-0542	Copper 2nd Cleaner Concentrate Pump #1	B	Phase 2		Pump	Metso	Y	Y
Added	2330-PP-0561	Copper 2nd Cleaner Concentrate Pump #2 (Standby)	B	Phase 2		Pump	Metso	Y	Y
Added	2330-SA-0564	Copper 2nd Cleaner Concentrate Sampler	B	Phase 2	1	Sampler	Metso	Y	Y
	2330-ZA-0543	Copper 2nd Cleaner Tailings Pumpbox	A	Phase 2		Pump Box	Metso	N	N



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Status	Number	Description	Rev	Project Phase	Major Equip	Type	Scope of Supply	Mandatory for PG	Already offered or not
Updated	2330-PP-0544	Copper 2nd Cleaner Tailings Pump #1	B	Phase 2		Pump	Metso	Y	Y
Added	2330-PP-0562	Copper 2nd Cleaner Tailings Pump #2 (Standby)	B	Phase 2		Pump	Metso	Y	Y
Added	2330-PP-0563	Copper Cleaner Spillage Pump	B	Phase 2		Spillage Pump	Metso	N	Y
	2340-TH-0601	Non Sulphide Tailings Thickener	A	Phase 2	1	Thickener	Metso	Y	Y
Updated	2340-ZA-0602	Non Sulphide Tailings Thickener Feed Box	A	Phase 2		Feed Box	Metso	Y	N
Updated	2340-TK-0603	Non Sulphide Tailings Thickener O/F Tank	B	Phase 2		Tank	Metso	N	N
Updated	2340-PP-0604	Non Sulphide Tailings Thickener U/F Pump #1	B	Phase 2		Pump	Metso	Y	Y
Updated	2340-PP-0605	Non Sulphide Tailings Thickener U/F Pump #2 (Standby)	B	Phase 2		Pump	Metso	Y	Y
Updated	2340-PP-0606	Non Sulphide Tailings Thickener O/F Pump #1	B	Phase 2		Pump	Metso	Y	Y
Updated	2340-PP-0607	Non Sulphide Tailings Thickener O/F Pump #2 (Standby)	A	Phase 2		Pump	Metso	Y	Y
Added	2340-PP-0608	Non Sulphide Tailings Thickener Spillage Pump	B	Phase 2		Spillage Pump	Metso	N	Y
20									
	2220-TK-0616	Secondary Grinding Feed Tank	B	Phase 1		Tank	Metso	Y	N
Updated	2220-AG-0617	Secondary Grinding Feed Tank Agitator	A	Phase 1	1	Agitator	Metso	Y	N
Updated	2220-CL-0618	Secondary Grinding Cyclone Cluster	B	Phase 1	1	Cyclone	Metso	Y	N
Added	2220-ZA-0655	Secondary Grinding Cyclone U/F Splitter Box	B	Phase 1		Splitter Box	Metso	Y	N
Updated	2220-ML-0620	Secondary Grinding Mill #1	A	Phase 1	1	Mill	Metso	Y	Y
Updated	2220-ML-0621	Secondary Grinding Mill #2	A	Phase 1	1	Mill	Metso	Y	Y
Updated	2220-TK-0622	Secondary Grinding Mill Feed Tank	B	Phase 1		Tank	Metso	Y	N
Added	2220-AG-0656	Secondary Grinding Mill Feed Tank Agitator	B	Phase 1	1	Agitator	Metso	Y	N
Updated	2220-PP-0624	Secondary Grinding Cyclone Feed Pump #1	B	Phase 1		Pump	Metso	Y	Y
Updated	2220-PP-0625	Secondary Grinding Cyclone Feed Pump #2 (Standby)	B	Phase 1		Pump	Metso	Y	Y
Updated	2220-PP-0628	Secondary Grinding Mill Feed Pump #1	B	Phase 1		Pump	Metso	Y	Y
Updated	2220-PP-0629	Secondary Grinding Mill Feed Pump #2 (Standby)	B	Phase 1		Pump	Metso	Y	Y
Updated	2220-PP-0630	Secondary Grinding Mill Feed Pump #3	B	Phase 1		Pump	Metso	Y	Y
Updated	2220-PP-0631	Secondary Grinding Mill Feed Pump #4 (Standby)	B	Phase 1		Pump	Metso	Y	Y
	2220-ZA-0632	Secondary Grinding Product Pumpbox #1	A	Phase 1		Pump Box	Metso	N	N
Updated	2220-PP-0634	Secondary Grinding Product Pump #1	B	Phase 1		Pump	Metso	Y	Y
Updated	2220-PP-0635	Secondary Grinding Product Pump #2 (Standby)	B	Phase 1		Pump	Metso	Y	Y
Updated	2220-ZA-0638	Grinding Media Hopper #1	A	Phase 1		Hopper	Metso	Y	N
Updated	2220-ZA-0639	Grinding Media Hopper #2	A	Phase 1		Hopper	Metso	Y	N
Updated	2220-ZA-0640	Grinding Mill Media Chute #1	A	Phase 1		Chute	Metso	Y	N
Updated	2220-ZA-0641	Grinding Mill Media Chute #2	A	Phase 1		Chute	Metso	Y	N
Updated	2220-GS-0642	Continuous Gravity Concentrator #1	A	Phase 1	1	Gravity Concentr	Metso	Y	N
Updated	2220-GS-0643	Continuous Gravity Concentrator #2	A	Phase 1	1	Gravity Concentr	Metso	Y	N
Updated	2220-ZA-0644	Concentrator #1 Feed Chute	A	Phase 1		Chute	Others	N	N
Updated	2220-ZA-0645	Concentrator #1 Tailings Chute	A	Phase 1		Chute	Others	N	N
Updated	2220-ZA-0646	Concentrator #1 Concentrate Chute	A	Phase 1		Chute	Others	N	N
Updated	2220-ZA-0647	Concentrator #2 Feed Chute	A	Phase 1		Chute	Others	N	N
Updated	2220-ZA-0648	Concentrator #2 Tailings Chute	A	Phase 1		Chute	Others	N	N
Updated	2220-ZA-0649	Concentrator #2 Tailings Chute	A	Phase 1		Chute	Others	N	N
	2220-TK-0650	Gravity Concentrate Tank	B	Phase 1	1	Tank	Metso	Y	N
Updated	2220-AG-0651	Gravity Concentrate Tank Agitator	A	Phase 1	1	Agitator	Metso	Y	N
Updated	2220-PP-0652	Gravity Concentrate Pump #1	B	Phase 1		Pump	Metso	Y	Y
Updated	2220-PP-0653	Gravity Concentrate Pump #2 (Standby)	B	Phase 1		Pump	Metso	Y	Y
Updated	2220-PP-0654	Secondary Grinding Area Spillage Pump	A	Phase 1		Spillage Pump	Metso	N	Y
	2350-TK-0716	Tin Rougher Conditioning Tank #1	B	Phase 1		Tank	Metso	Y	N
Updated	2350-AG-0717	Tin Rougher Conditioning Tank #1 Agitator	A	Phase 1	1	Agitator	Metso	Y	N
	2350-TK-0718	Tin Rougher Conditioning Tank #2	B	Phase 1		Tank	Metso	Y	N
Updated	2350-AG-0719	Tin Rougher Conditioning Tank #2 Agitator	A	Phase 1	1	Agitator	Metso	Y	N
Updated	2350-ZA-0720	Tin Rougher Feed Box	A	Phase 1		Feed Box	Metso	Y	N
	2350-FC-0721	Tin Rougher Cell #1	A	Phase 1	1	Float Cell	Metso	Y	Y
	2350-FC-0722	Tin Rougher Cell #2	A	Phase 1	1	Float Cell	Metso	Y	Y
	2350-FC-0723	Tin Rougher Cell #3	A	Phase 1	1	Float Cell	Metso	Y	Y
	2350-FC-0724	Tin Rougher Cell #4	A	Phase 1	1	Float Cell	Metso	Y	Y



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Status	Number	Description	Rev	Project Phase	Major Equip	Type	Scope of Supply	Mandatory for PG	Already offered or not
	2350-FC-0725	Tin Rougher Cell #5	A	Phase 1	1	Float Cell	Metso	Y	Y
	2350-FC-0727	Tin Scavenger Cell #1	A	Phase 1	1	Float Cell	Metso	Y	Y
	2350-FC-0728	Tin Scavenger Cell #2	A	Phase 1	1	Float Cell	Metso	Y	Y
	2350-FC-0729	Tin Scavenger Cell #3	A	Phase 1	1	Float Cell	Metso	Y	Y
Updated	2350-ZA-0732	Tin Rougher Concentrate Launder	A	Phase 1		Launder	Metso	Y	N
Updated	2350-ZA-0733	Tin Scavenger Concentrate Launder	A	Phase 1		Launder	Metso	Y	N
	2350-ZA-0735	Tin Rougher Concentrate Pumpbox	A	Phase 1		Pump Box	Metso	N	N
Updated	2350-PP-0736	Tin Rougher Concentrate Pump #1	B	Phase 1		Pump	Metso	Y	Y
Updated	2350-PP-0737	Tin Rougher Concentrate Pump #2 (Standby)	B	Phase 1		Pump	Metso	Y	Y
Added	<del>2350-SA-0738</del>	<del>Tin Rougher Concentrate Sampler</del>	B			Sampler			
	2350-ZA-0741	Tin Scavenger Tailings Pumpbox	A	Phase 1		Pump Box	Metso	N	N
Updated	2350-PP-0742	Tin Scavenger Tailings Pump #1	B	Phase 1		Pump	Metso	Y	Y
Updated	2350-PP-0743	Tin Scavenger Tailings Pump #2 (Standby)	B	Phase 1		Pump	Metso	Y	Y
Updated	2350-PP-0744	Tin Rougher Spillage Pump	A	Phase 1		Spillage Pump	Metso	N	Y
	2350-SA-0745	Tin Scavenger Tailings Sampler #1	A	Phase 1	1	Sampler	Metso	Y	Y
Added	2350-XL-0750	Tin Flotation Overhead Crane	B	Phase 1	1	Crane	Others	N	N
Updated	2360-TK-0766	Tin Regrind Cyclone Feed Tank	B	Phase 1		Tank	Metso	Y	N
Added	2360-AG-0780	Tin Regrind Cyclone Feed Tank Agitator	B	Phase 1	1	Agitator	Metso	Y	N
Updated	2360-PP-0767	Tin Regrind Cyclone Feed Pump #1	B	Phase 1		Pump	Metso	Y	Y
Updated	2360-PP-0768	Tin Regrind Cyclone Feed Pump #2 (Standby)	B	Phase 1		Pump	Metso	Y	Y
	2360-CL-0769	Tin Regrind Cyclone Cluster	A	Phase 1	1	Cyclone	Metso	Y	N
	2360-ZA-0770	Tin Regrind Mill Feed Pumpbox	A	Phase 1		Pump Box	Metso	N	N
Updated	2360-PP-0771	Tin Regrind Mill Feed Pump #1	B	Phase 1		Pump	Metso	Y	Y
Updated	2360-PP-0772	Tin Regrind Mill Feed Pump #2 (Standby)	B	Phase 1		Pump	Metso	Y	Y
Updated	2360-ML-0773	Tin Regrind Mill	A	Phase 1	1	Mill	Metso	Y	Y
Updated	2360-ZA-0774	Regrind Mill Media Hopper	A	Phase 1		Hopper	Metso	Y	N
Updated	2360-ZA-0775	Regrind Mill Media Chute	A	Phase 1		Chute	Metso	Y	N
	2360-ZA-0776	Tin Scavenger Cleaner Feed Pumpbox	A	Phase 1		Pump Box	Metso	N	N
Updated	2360-PP-0777	Tin Scavenger Cleaner Feed Pump #1	B	Phase 1		Pump	Metso	Y	Y
Updated	2360-PP-0778	Tin Scavenger Cleaner Feed Pump #2 (Standby)	B	Phase 1		Pump	Metso	Y	Y
	2360-SA-0779	Tin Scavenger Cleaner Feed Sampler	A	Phase 1	1	Sampler	Metso	Y	Y
Added	2360-PP-0781	Tin Regrind Spillage Pump	B	Phase 1		Spillage Pump	Metso	N	Y
Updated	2370-ZA-0796	Tin 1st Cleaner Feed Box	A	Phase 1		Feed Box	Metso	Y	N
	2370-FC-0797	Tin 1st Cleaner Cell #1	A	Phase 1	1	Float Cell	Metso	Y	Y
	2370-FC-0798	Tin 1st Cleaner Cell #2	A	Phase 1	1	Float Cell	Metso	Y	Y
	2370-FC-0799	Tin 1st Cleaner Cell #3	A	Phase 1	1	Float Cell	Metso	Y	Y
	2370-FC-0800	Tin 1st Cleaner Cell #4	A	Phase 1	1	Float Cell	Metso	Y	Y
Updated	2370-ZA-0805	Tin 1st Cleaner Concentrate Launder	A	Phase 1		Launder	Metso	Y	N
	2370-ZA-0806	Tin 1st Cleaner Concentrate Pumpbox	A	Phase 1		Pump Box	Metso	N	N
Updated	2370-PP-0807	Tin 1st Cleaner Concentrate Pump #1	B	Phase 1		Pump	Metso	Y	Y
Added	2370-PP-0808	Tin 1st Cleaner Concentrate Pump #2 (Standby)	B	Phase 1		Pump	Metso	Y	Y
	<del>2370-SA-0809</del>	<del>Tin 1st Cleaner Tailings Sampler</del>	B			Sampler			
Updated	2370-PP-0811	Tin Cleaner Spillage Pump	A	Phase 1		Spillage Pump	Metso	N	Y
Updated	2370-ZA-0815	Tin 2nd Cleaner Feed Box	A	Phase 1		Feed Box	Metso	Y	N
	2370-FC-0816	Tin 2nd Cleaner Cell #1	A	Phase 1	1	Float Cell	Metso	Y	Y
	2370-FC-0817	Tin 2nd Cleaner Cell #2	A	Phase 1	1	Float Cell	Metso	Y	Y
	2370-FC-0818	Tin 2nd Cleaner Cell #3	A	Phase 1	1	Float Cell	Metso	Y	Y
	2370-FC-0819	Tin 2nd Cleaner Cell #4	A	Phase 1	1	Float Cell	Metso	Y	Y
Updated	2370-ZA-0824	Tin 2nd Cleaner Concentrate Launder	A	Phase 1		Launder	Metso	Y	N
	2370-ZA-0825	Tin 2nd Cleaner Concentrate Pumpbox	A	Phase 1		Pump Box	Metso	N	N
Updated	2370-PP-0826	Tin 2nd Cleaner Concentrate Pump #1	B	Phase 1		Pump	Metso	Y	Y
Added	2370-PP-0827	Tin 2nd Cleaner Concentrate Pump #2 (Standby)	B	Phase 1		Pump	Metso	Y	Y
Added	<del>2370-SA-0828</del>	<del>Tin 2nd Cleaner Concentrate Sampler</del>	B			Sampler			
	2370-ZA-0828	Tin 2nd Cleaner Tailings Pumpbox	A	Phase 1		Pump Box	Metso	N	
Updated	2370-PP-0829	Tin 2nd Cleaner Tailings Pump #1	B	Phase 1		Pump	Metso	Y	Y



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Status	Number	Description	Rev	Project Phase	Major Equip	Type	Scope of Supply	Mandatory for PG	Already offered or not
Added	2370-PP-0830	Tin 2nd Cleaner Tailings Pump #2 (Standby)	B	Phase 1		Pump	Metso	Y	Y
	2370-SA-0834	Tin-2nd-Cleaner-Tailings-Sampler	B			Sampler			
	2370-TK-0837	Tin-1st-Scavenger-Cleaner-Conditioning-Tank	B			Tank			
Updated	2370-AG-0838	Tin-1st-Scavenger-Cleaner-Conditioning-Tank-Agitator	A			Agitator			
Updated	2370-ZA-0844	Tin-1st-Scavenger-Cleaner-Feed-Box	A			Feed-Box			
	2370-FC-0842	Tin-1st-Scavenger-Cleaner-Cell-#1	A			Float-Cell			
	2370-FC-0843	Tin-1st-Scavenger-Cleaner-Cell-#2	A			Float-Cell			
	2370-FC-0844	Tin-1st-Scavenger-Cleaner-Cell-#3	A			Float-Cell			
	2370-FC-0845	Tin-1st-Scavenger-Cleaner-Cell-#4	A			Float-Cell			
Updated	2370-ZA-0850	Tin-1st-Scavenger-Cleaner-Concentrate-Laundrer	A			Laundrer			
	2370-ZA-0854	Tin-1st-Scavenger-Cleaner-Concentrate-Pumpbox	A			Pump-Box			
Updated	2370-PP-0852	Tin-1st-Scavenger-Cleaner-Concentrate-Pump-#1	B			Pump			¥
Added	2370-PP-0853	Tin-1st-Scavenger-Cleaner-Concentrate-Pump-#2 (Standby)	B			Pump			¥
	2370-ZA-0854	Tin-1st-Scavenger-Cleaner-Tailings-Pumpbox	A			Pump-Box			
Updated	2370-PP-0855	Tin-1st-Scavenger-Cleaner-Tailings-Pump-#1	B			Pump			¥
Added	2370-PP-0856	Tin-1st-Scavenger-Cleaner-Tailings-Pump-#2 (Standby)	B			Pump			¥
	2370-SA-0857	Tin-1st-Scavenger-Cleaner-Tailings-Sampler	A			Sampler			
Updated	2370-ZA-0862	Tin-1st-Scavenger-Cleaner-Scavenger-Feed-Box	A			Feed-Box			
	2370-FC-0863	Tin-1st-Scavenger-Cleaner-Scavenger-Cell-#1	A			Float-Cell			
	2370-FC-0864	Tin-1st-Scavenger-Cleaner-Scavenger-Cell-#2	A			Float-Cell			
	2370-FC-0865	Tin-1st-Scavenger-Cleaner-Scavenger-Cell-#3	A			Float-Cell			
	2370-FC-0866	Tin-1st-Scavenger-Cleaner-Scavenger-Cell-#4	A			Float-Cell			
Updated	2370-ZA-0874	Tin-1st-Scavenger-Cleaner-Scavenger-Concentrate-Laundrer	A			Laundrer			
	2370-ZA-0872	Tin-1st-Scavenger-Cleaner-Scavenger-Concentrate-Pumpbox	A			Pump-Box			
Updated	2370-PP-0873	Tin-1st-Scavenger-Cleaner-Scavenger-Concentrate-Pump-#1	B			Pump			¥
Added	2370-PP-0874	Tin-1st-Scavenger-Cleaner-Scavenger-Concentrate-Pump-#2 (Standby)	B			Pump			¥
	2370-ZA-0875	Tin-1st-Scavenger-Cleaner-Scavenger-Tailings-Pumpbox	A			Pump-Box			
Updated	2370-PP-0876	Tin-1st-Scavenger-Cleaner-Scavenger-Tailings-Pump-#1	B			Pump			¥
Added	2370-PP-0877	Tin-1st-Scavenger-Cleaner-Scavenger-Tailings-Pump-#2 (Standby)	B			Pump			¥
	2370-SA-0876	Tin-1st-Scavenger-Cleaner-Scavenger-Tailings-Sampler	B			Sampler			
Updated	2370-ZA-0883	Tin-2nd-Scavenger-Cleaner-Feed-Box	A			Feed-Box			
	2370-FC-0884	Tin-2nd-Scavenger-Cleaner-Cell-#1	A			Float-Cell			
	2370-FC-0885	Tin-2nd-Scavenger-Cleaner-Cell-#2	A			Float-Cell			
	2370-FC-0886	Tin-2nd-Scavenger-Cleaner-Cell-#3	A			Float-Cell			
	2370-FC-0887	Tin-2nd-Scavenger-Cleaner-Cell-#4	A			Float-Cell			
Updated	2370-ZA-0892	Tin-2nd-Scavenger-Cleaner-Concentrate-Laundrer	A			Laundrer			
	2370-ZA-0893	Tin-2nd-Scavenger-Cleaner-Concentrate-Pumpbox	A			Pump-Box			
Updated	2370-PP-0894	Tin-2nd-Scavenger-Cleaner-Concentrate-Pump-#1	B			Pump			¥
Added	2370-PP-0895	Tin-2nd-Scavenger-Cleaner-Concentrate-Pump-#2 (Standby)	B			Pump			¥
	2370-ZA-0896	Tin-2nd-Scavenger-Cleaner-Tailings-Pumpbox	A			Pump-Box			
Updated	2370-PP-0897	Tin-2nd-Scavenger-Cleaner-Tailings-Pump-#1	B			Pump			¥
Added	2370-PP-0898	Tin-2nd-Scavenger-Cleaner-Tailings-Pump-#2 (Standby)	B			Pump			¥
	2370-SA-0899	Tin-2nd-Scavenger-Cleaner-Tailings-Sampler	B			Sampler			
Updated	2370-ZA-0905	Tin-3rd-Scavenger-Cleaner-Feed-Box	A			Feed-Box			
	2370-FC-0906	Tin-3rd-Scavenger-Cleaner-Cell-#1	A			Float-Cell			
	2370-FC-0907	Tin-3rd-Scavenger-Cleaner-Cell-#2	A			Float-Cell			
	2370-FC-0908	Tin-3rd-Scavenger-Cleaner-Cell-#3	A			Float-Cell			
	2370-FC-0909	Tin-3rd-Scavenger-Cleaner-Cell-#4	A			Float-Cell			
Updated	2370-ZA-0914	Tin-3rd-Scavenger-Cleaner-Concentrate-Laundrer	A			Laundrer			
	2370-ZA-0915	Tin-3rd-Scavenger-Cleaner-Concentrate-Pumpbox	A			Pump-Box			
Updated	2370-PP-0916	Tin-3rd-Scavenger-Cleaner-Concentrate-Pump-#1	B			Pump			¥
Added	2370-PP-0917	Tin-3rd-Scavenger-Cleaner-Concentrate-Pump-#2 (Standby)	B			Pump			¥
Added	2370-SA-0922	Tin-3rd-Scavenger-Cleaner-Concentrate-Sampler	B			Sampler			
	2370-ZA-0918	Tin-3rd-Scavenger-Cleaner-Tailings-Pumpbox	A			Pump-Box			
Updated	2370-PP-0919	Tin-3rd-Scavenger-Cleaner-Tailings-Pump-#1	B			Pump			¥
Added	2370-PP-0920	Tin-3rd-Scavenger-Cleaner-Tailings-Pump-#2 (Standby)	B			Pump			¥
	2370-SA-0924	Tin-3rd-Scavenger-Cleaner-Tailings-Sampler	B			Sampler			





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Status	Number	Description	Rev	Project Phase	Major Equip	Type	Scope of Supply	Mandatory for PG	Already offered or not
Added	2370-SA-0927	Tin High Grade Concentrate Sampler	B	Phase 1	1	Sampler	Metso	Y	Y
	2370-TK-0928	Tin High Grade Concentrate Tank	B	Phase 1		Tank	Metso	Y	N
Updated	2370-AG-0929	Tin High Grade Concentrate Tank Agitator	A	Phase 1	1	Agitator	Metso	Y	N
Updated	2370-PP-0930	Tin High Grade Concentrate Pump #1	B	Phase 1		Pump	Metso	Y	Y
Added	2370-PP-0937	Tin High Grade Concentrate Pump #2 (Standby)	B	Phase 1		Pump	Metso	Y	Y
Updated	2370-ZA-0931	Tin High Grade Magnetic Separator Feed Box	A	Phase 1		Feed Box	Metso	Y	N
Updated	2370-EM-0932	Tin High Grade Low Intensity Magnetic Separator	B	Phase 1	1	Magnetic Sep	Metso	Y	N
Updated	2370-ZA-0933	Tin High Grade Gravity Separator Feed Distributor	B	Phase 1		Distributor	Metso	Y	N
Added	2370-ZA-0939	Tin High Grade Gravity Separator #1 Feed Box	B	Phase 1		Feed Box	Metso	Y	N
Updated	2370-GS-0934	Tin High Grade Gravity Separator #1	B	Phase 1	1	Gravity Concentr	Metso	Y	N
Added	2370-ZA-0944	Tin High Grade Gravity Separator #2 Feed Box	B	Phase 1		Feed Box	Metso	Y	N
Added	2370-GS-0945	Tin High Grade Gravity Separator #2	B	Phase 1	1	Gravity Concentr	Metso	Y	N
Updated	2370-ZA-0935	Tin High Grade LIMS Tailings Pumpbox	B	Phase 1		Pump Box	Metso	N	N
Updated	2370-PP-0936	Tin High Grade LIMS Tailings Pump	B	Phase 1		Pump	Metso	Y	Y
Added	2370-EM-0940	Tin High Grade Wet High Intensity Magnetic Separator	B	Phase 1	1	Magnetic Sep	Metso	Y	N
Added	2370-ZA-0941	Tin High Grade Magnetic Tailings Pumpbox	B	Phase 1		Pump Box	Metso	N	N
Added	2370-PP-0942	Tin High Grade Magnetic Tailings Pump #1	B	Phase 1		Pump	Metso	Y	Y
Added	2370-PP-0943	Tin High Grade Magnetic Tailings Pump #2 (Standby)	B	Phase 1		Pump	Metso	Y	Y
Added	2370-SA-0946	Tin Low Grade Concentrate Sampler	B	Phase 1	1	Sampler	Metso	Y	Y
	2370-TK-0947	Tin Low Grade Concentrate Tank	B	Phase 1		Tank	Metso	Y	N
Updated	2370-AG-0948	Tin Low Grade Concentrate Tank Agitator	A	Phase 1	1	Agitator	Metso	Y	N
Updated	2370-PP-0949	Tin Low Grade Concentrate Pump #1	B	Phase 1		Pump	Metso	Y	Y
Added	2370-PP-0957	Tin Low Grade Concentrate Pump #2 (Standby)	B	Phase 1		Pump	Metso	Y	Y
Updated	2370-ZA-0950	Tin Low Grade Magnetic Separator Feed Box	A	Phase 1		Feed Box	Metso	Y	N
	2370-EM-0951	Tin Low Grade Magnetic Separator	A	Phase 1	1	Magnetic Sep	Metso	Y	N
Updated	2370-ZA-0952	Tin Low Grade Gravity Separator Feed Box	A	Phase 1		Feed Box	Metso	Y	N
Updated	2370-ZA-0954	Tin Low Grade Magnetic Tailings Pumpbox	B	Phase 1		Pump Box	Metso	N	N
Updated	2370-PP-0955	Tin Low Grade Magnetic Tailings Pump #1	B	Phase 1		Pump	Metso	Y	Y
Added	2370-PP-0956	Tin Low Grade Magnetic Tailings Pump #2 (Standby)	B	Phase 1		Pump	Metso	Y	Y
Added	2370-PP-0958	Tin Concentrate Upgrade Spillage Pump	B	Phase 1		Spillage Pump	Metso	N	Y
	2370-TH-0967	Tin Tailings Thickener	A	Phase 1	1	Thickener	Metso	Y	Y
Updated	2370-ZA-0968	Tin Tailings Thickener Feed Box	A	Phase 1		Feed Box	Metso	Y	N
Updated	2370-TK-0969	Tin Tailings Thickener O/F Tank	B	Phase 1		Tank	Metso	N	N
Updated	2370-PP-0970	Tin Tailings Thickener O/F Pump #1	B	Phase 1		Pump	Metso	Y	Y
Updated	2370-PP-0971	Tin Tailings Thickener O/F Pump #2 (Standby)	B	Phase 1		Pump	Metso	Y	Y
Updated	2370-PP-0972	Tin Tailings Thickener U/F Pump #1	B	Phase 1		Pump	Metso	Y	Y
Updated	2370-PP-0973	Tin Tailings Thickener U/F Pump #2 (Standby)	B	Phase 1		Pump	Metso	Y	Y
Added	2370-PP-0974	Tin Tailings Thickener Spillage Pump	B	Phase 1		Spillage Pump	Metso	N	Y
	2380-TK-0982	Fluorite Rougher Conditioning Tank #1	B	Phase 2		Tank	Metso	N	N
Updated	2380-AG-0983	Fluorite Rougher Conditioning Tank #1 Agitator	A	Phase 2	1	Agitator	Metso	N	N
	2380-TK-0984	Fluorite Rougher Conditioning Tank #2	B	Phase 2		Tank	Metso	N	N
Updated	2380-AG-0985	Fluorite Rougher Conditioning Tank #2 Agitator	A	Phase 2	1	Agitator	Metso	N	N
	2380-TK-0986	Fluorite Rougher Conditioning Tank #3	B	Phase 2		Tank	Metso	N	N
Updated	2380-AG-0987	Fluorite Rougher Conditioning Tank #3 Agitator	A	Phase 2	1	Agitator	Metso	N	N
Updated	2380-ZA-0988	Fluorite Rougher Feed Box	A	Phase 2		Feed Box	Metso	N	N
	2380-FC-0989	Fluorite Rougher Cell #1	A	Phase 2	1	Float Cell	Metso	N	Y
	2380-FC-0990	Fluorite Rougher Cell #2	A	Phase 2	1	Float Cell	Metso	N	Y
	2380-FC-0991	Fluorite Rougher Cell #3	A	Phase 2	1	Float Cell	Metso	N	Y
	2380-FC-0992	Fluorite Rougher Cell #4	A	Phase 2	1	Float Cell	Metso	N	Y
	2380-FC-0993	Fluorite Rougher Cell #5	A	Phase 2	1	Float Cell	Metso	N	Y
	2380-FC-0994	Fluorite Rougher Cell #6	A	Phase 2	1	Float Cell	Metso	N	Y
Added	2380-XL-0995	Fluorite Flotation Overhead Crane	B	Phase 2	1	Crane	Others	N	N
Updated	2380-ZA-0999	Fluorite Rougher Concentrate Launder	A	Phase 2		Launder	Metso	N	N
	2380-ZA-1000	Fluorite Rougher Concentrate Pumpbox	A	Phase 2		Pump Box	Metso	N	N
Updated	2380-PP-1001	Fluorite Rougher Concentrate Pump #1	B	Phase 2		Pump	Metso	N	Y
Updated	2380-PP-1002	Fluorite Rougher Concentrate Pump #2 (Standby)	B	Phase 2		Pump	Metso	N	Y



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Status	Number	Description	Rev	Project Phase	Major Equip	Type	Scope of Supply	Mandatory for PG	Already offered or not
Added	2380-SA-1040	Fluorite Rougher Concentrate Sampler	B			Sampler			
	2380-ZA-1003	Fluorite Rougher Tailings Pumpbox	A	Phase 2		Pump Box	Metso	N	N
Updated	2380-PP-1004	Fluorite Rougher Tailings Pump #1	B	Phase 2		Pump	Metso	N	Y
Updated	2380-PP-1005	Fluorite Rougher Tailings Pump #2 (Standby)	B	Phase 2		Pump	Metso	N	Y
Updated	2380-PP-1006	Fluorite Rougher Spillage Pump	A	Phase 2		Spillage Pump	Metso	N	Y
	2380-SA-1007	Fluorite Rougher Tailings Sampler #1	A	Phase 2	1	Sampler	Metso	N	Y
Added	2380-PP-1009	Fluorite Rougher Tailings Spillage Pump	B	Phase 2		Spillage Pump	Metso	N	Y
Updated	2390-ZA-1019	Fluorite 1st Cleaner Feed Box	A	Phase 2		Feed Box	Metso	N	N
	2390-FC-1020	Fluorite 1st Cleaner Cell #1	A	Phase 2	1	Float Cell	Metso	N	Y
	2390-FC-1021	Fluorite 1st Cleaner Cell #2	A	Phase 2	1	Float Cell	Metso	N	Y
	2390-FC-1022	Fluorite 1st Cleaner Cell #3	A	Phase 2	1	Float Cell	Metso	N	Y
	2390-FC-1023	Fluorite 1st Cleaner Cell #4	A	Phase 2	1	Float Cell	Metso	N	Y
Updated	2390-ZA-1028	Fluorite 1st Cleaner Concentrate Launder	A	Phase 2		Launder	Metso	N	N
	2390-ZA-1029	Fluorite 1st Cleaner Concentrate Pumpbox	A	Phase 2		Pump Box	Metso	N	N
Updated	2390-PP-1030	Fluorite 1st Cleaner Concentrate Pump #1	B	Phase 2		Pump	Metso	N	N
Added	2390-PP-1031	Fluorite 1st Cleaner Concentrate Pump #2 (Standby)	B	Phase 2		Pump	Metso	N	N
	2390-ZA-1032	Fluorite 1st Cleaner Tailings Pumpbox	A	Phase 2		Pump Box	Metso	N	N
Updated	2390-PP-1033	Fluorite 1st Cleaner Tailings Pump #1	B	Phase 2		Pump	Metso	N	N
Added	2390-PP-1034	Fluorite 1st Cleaner Tailings Pump #2 (Standby)	B	Phase 2		Pump	Metso	N	N
Updated	2390-PP-1035	Fluorite Cleaner Spillage Pump	A	Phase 2		Spillage Pump	Metso	N	Y
	2390-SA-1036	Fluorite 1st Cleaner Tailings Sampler	A	Phase 2	1	Sampler	Metso	N	Y
Updated	2390-ZA-1047	Fluorite 1st Cleaner Scavenger Feed Box	A	Phase 2		Feed Box	Metso	N	N
	2390-FC-1048	Fluorite 1st Cleaner Scavenger Cell #1	A	Phase 2	1	Float Cell	Metso	N	Y
	2390-FC-1049	Fluorite 1st Cleaner Scavenger Cell #2	A	Phase 2	1	Float Cell	Metso	N	Y
	2390-FC-1050	Fluorite 1st Cleaner Scavenger Cell #3	A	Phase 2	1	Float Cell	Metso	N	Y
	2390-FC-1051	Fluorite 1st Cleaner Scavenger Cell #4	A	Phase 2	1	Float Cell	Metso	N	Y
Updated	2390-ZA-1056	Fluorite 1st Cleaner Scavenger Concentrate Launder	A	Phase 2		Launder	Metso	N	N
	2390-ZA-1057	Fluorite 1st Cleaner Scavenger Concentrate Pumpbox	A	Phase 2		Pump Box	Metso	N	N
Updated	2390-PP-1058	Fluorite 1st Cleaner Scavenger Concentrate Pump #1	B	Phase 2		Pump	Metso	N	N
Added	2390-PP-1059	Fluorite 1st Cleaner Scavenger Concentrate Pump #2 (Standby)	B	Phase 2		Pump	Metso	N	N
	2390-ZA-1060	Fluorite 1st Cleaner Scavenger Tailings Pumpbox	A	Phase 2		Pump Box	Metso	N	N
Updated	2390-PP-1061	Fluorite 1st Cleaner Scavenger Tailings Pump #1	B	Phase 2		Pump	Metso	N	N
Added	2390-PP-1062	Fluorite 1st Cleaner Scavenger Tailings Pump #2 (Standby)	B	Phase 2		Pump	Metso	N	N
	2390-SA-1063	Fluorite 1st Cleaner Scavenger Tailings Sampler	A	Phase 2	1	Sampler	Metso	N	Y
Updated	2390-ZA-1074	Fluorite 2nd Cleaner Feed Box	A	Phase 2		Feed Box	Metso	N	N
	2390-FC-1075	Fluorite 2nd Cleaner Cell #1	A	Phase 2	1	Float Cell	Metso	N	Y
	2390-FC-1076	Fluorite 2nd Cleaner Cell #2	A	Phase 2	1	Float Cell	Metso	N	Y
	2390-FC-1077	Fluorite 2nd Cleaner Cell #3	A	Phase 2	1	Float Cell	Metso	N	Y
	2390-FC-1078	Fluorite 2nd Cleaner Cell #4	A	Phase 2	1	Float Cell	Metso	N	Y
Updated	2390-ZA-1083	Fluorite 2nd Cleaner Concentrate Launder	A	Phase 2		Launder	Metso	N	N
	2390-ZA-1084	Fluorite 2nd Cleaner Concentrate Pumpbox	A	Phase 2		Pump Box	Metso	N	N
Updated	2390-PP-1085	Fluorite 2nd Cleaner Concentrate Pump #1	B	Phase 2		Pump	Metso	N	N
Added	2390-PP-1086	Fluorite 2nd Cleaner Concentrate Pump #2 (Standby)	B	Phase 2		Pump	Metso	N	N
	2390-ZA-1087	Fluorite 2nd Cleaner Tailings Pumpbox	A	Phase 2		Pump Box	Metso	N	N
Updated	2390-PP-1088	Fluorite 2nd Cleaner Tailings Pump #1	B	Phase 2		Pump	Metso	N	N
Added	2390-PP-1089	Fluorite 2nd Cleaner Tailings Pump #2 (Standby)	B	Phase 2		Pump	Metso	N	N
	2390-SA-1090	Fluorite 2nd Cleaner Tailings Sampler	B	Phase 2	1	Sampler	Metso	N	Y
Updated	2390-ZA-1101	Fluorite 3rd Cleaner Feed Box	A	Phase 2		Feed Box	Metso	N	N
	2390-FC-1102	Fluorite 3rd Cleaner Cell #1	A	Phase 2	1	Float Cell	Metso	N	Y
	2390-FC-1103	Fluorite 3rd Cleaner Cell #2	A	Phase 2	1	Float Cell	Metso	N	Y
	2390-FC-1104	Fluorite 3rd Cleaner Cell #3	A	Phase 2	1	Float Cell	Metso	N	Y
	2390-FC-1105	Fluorite 3rd Cleaner Cell #4	A	Phase 2	1	Float Cell	Metso	N	Y
Updated	2390-ZA-1110	Fluorite 3rd Cleaner Concentrate Launder	A	Phase 2		Launder	Metso	N	N
	2390-ZA-1111	Fluorite 3rd Cleaner Concentrate Pumpbox	A	Phase 2		Pump Box	Metso	N	N
Updated	2390-PP-1112	Fluorite 3rd Cleaner Concentrate Pump #1	B	Phase 2		Pump	Metso	N	N
Added	2390-PP-1113	Fluorite 3rd Cleaner Concentrate Pump #2 (Standby)	B	Phase 2		Pump	Metso	N	N



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Status	Number	Description	Rev	Project Phase	Major Equip	Type	Scope of Supply	Mandatory for PG	Already offered or not
Added	2390-SA-1444	Fluorite 3rd-Cleaner-Concentrate-Sampler	B			Sampler			
	2390-ZA-1114	Fluorite 3rd Cleaner Tailings Pumpbox	A	Phase 2		Pump Box	Metso	N	N
Updated	2390-PP-1115	Fluorite 3rd Cleaner Tailings Pump #1	B	Phase 2		Pump	Metso	N	N
Added	2390-PP-1116	Fluorite 3rd Cleaner Tailings Pump #2 (Standby)	B	Phase 2		Pump	Metso	N	N
	2390-SA-1447	Fluorite 3rd-Cleaner-Tailings-Sampler	B			Sampler			
	2510-TH-1300	Final Tailings Thickener	A	Phase 2	1	Thickener	Metso	Y	Y
Updated	2510-ZA-1301	Final Tailings Thickener Feed Box	A	Phase 2		Feed Box	Metso	Y	N
Updated	2510-TK-1302	Final Tailings Thickener O/F Tank	B	Phase 2		Tank	Metso	N	N
Updated	2510-PP-1303	Final Tailings Thickener U/F Pump #1	B	Phase 2		Pump	Metso	Y	Y
Updated	2510-PP-1304	Final Tailings Thickener U/F Pump #2 (Standby)	B	Phase 2		Pump	Metso	Y	Y
Updated	2510-PP-1305	Final Tailings Thickener O/F Pump #1	B	Phase 2		Pump	Metso	Y	Y
Updated	2510-PP-1306	Final Tailings Thickener O/F Pump #2 (Standby)	B	Phase 2		Pump	Metso	Y	Y
Updated	2510-PP-1310	Final Tailings Thickener Area Spillage Pump	A	Phase 2		Spillage Pump	Metso	N	N
Updated	2520-TK-1315	Gravity Scavenger Feed Tank	B	Phase 1	1	Tank	Metso	Y	N
Updated	2520-AG-1316	Gravity Scavenger Feed Tank Agitator	B	Phase 1		Agitator	Metso	Y	N
Updated	2520-PP-1317	Gravity Scavenger Feed Pump #1	B	Phase 1		Pump	Metso	Y	Y
Updated	2520-PP-1318	Gravity Scavenger Feed Pump #2 (Standby)	B	Phase 1		Pump	Metso	Y	Y
Added	2520-SA-1319	Gravity Scavenger Feed Sampler	B			Sampler			
Added	2520-SA-1320	Gravity Scavenger Feed Sampler on Standby Line	B			Sampler			
Updated	2520-ZA-1321	Gravity Scavenger Feed Distributor	B	Phase 1		Distributor	Metso	Y	N
Updated	2520-GS-1322	Gravity Scavenger Concentrator #1	A	Phase 1	1	Gravity Concentr	Metso	Y	N
Updated	2520-ZA-1323	Gravity Scavenger #1 Feed Box	B	Phase 1		Feed Box	Metso	Y	N
Updated	2520-ZA-1324	Gravity Scavenger #1 Concentrate Launder	B	Phase 1		Launder	Metso	Y	N
Updated	2520-ZA-1325	Gravity Scavenger #1 Tailings Launder	B	Phase 1		Launder	Metso	Y	N
Updated	2520-GS-1328	Gravity Scavenger Concentrator #2	A	Phase 1	1	Gravity Concentr	Metso	Y	N
Updated	2520-ZA-1329	Gravity Scavenger #2 Feed Box	B	Phase 1		Feed Box	Metso	Y	N
Updated	2520-ZA-1330	Gravity Scavenger #2 Concentrate Launder	B	Phase 1		Launder	Metso	Y	N
Updated	2520-ZA-1331	Gravity Scavenger #2 Tailings Launder	B	Phase 1		Launder	Metso	Y	N
Updated	2520-GS-1334	Gravity Scavenger Concentrator #3	A	Phase 1	1	Gravity Concentr	Metso	Y	N
Updated	2520-ZA-1335	Gravity Scavenger #3 Feed Box	B	Phase 1		Feed Box	Metso	Y	N
Updated	2520-ZA-1336	Gravity Scavenger #3 Concentrate Launder	B	Phase 1		Launder	Metso	Y	N
Updated	2520-ZA-1337	Gravity Scavenger #3 Tailings Launder	B	Phase 1		Launder	Metso	Y	N
Updated	2520-GS-1340	Gravity Scavenger Concentrator #4	A	Phase 1	1	Gravity Concentr	Metso	Y	N
Updated	2520-ZA-1341	Gravity Scavenger #4 Feed Box	B	Phase 1		Feed Box	Metso	Y	N
Updated	2520-ZA-1342	Gravity Scavenger #4 Concentrate Launder	B	Phase 1		Launder	Metso	Y	N
Updated	2520-ZA-1343	Gravity Scavenger #4 Tailings Launder	B	Phase 1		Launder	Metso	Y	N
	2520-ZA-1346	Gravity Scavenger Concentrate Pumpbox	A	Phase 1		Pump Box	Metso	N	N
	2520-ZA-1347	Gravity Scavenger Concentrate Pumpbox Feed Launder	A	Phase 1		Launder	Metso	Y	N
Updated	2520-PP-1348	Gravity Scavenger Concentrate Pump #1	B	Phase 1		Pump	Metso	Y	Y
Updated	2520-PP-1349	Gravity Scavenger Concentrate Pump #2 (Standby)	A	Phase 1		Pump	Metso	Y	Y
	2520-ZA-1352	Final Tailings Tank Feed Launder	A	Phase 1		Launder	Metso	Y	N
Added	2520-SA-1350	Gravity Scavenger Tailings Sampler	B	Phase 1	1	Sampler	Metso	Y	Y
Added	2520-ZA-1351	Gravity Scavenger Tailings Pumpbox	B	Phase 1		Pump Box	Metso	N	N
Added	2520-PP-1353	Gravity Scavenger Tailings Pump #1	B	Phase 1		Pump	Metso	Y	Y
Added	2520-PP-1354	Gravity Scavenger Tailings Pump #2 (Standby)	B	Phase 1		Pump	Metso	Y	Y
	2530-TK-1355	Final Tailings Tank	B	Phase 1		Tank	Metso	Y	N
Updated	2530-AG-1356	Final Tailings Tank Agitator	A	Phase 1	1	Agitator	Metso	Y	N
Updated	2530-PP-1358	Final Tailings Pump #1	B	Phase 1	1	Pump	Metso	Y	Y
Updated	2530-PP-1359	Final Tailings Pump #2 (Standby)	B	Phase 1	1	Pump	Metso	Y	Y
Updated	2530-PP-1360	Final Tailings Pump #3	B	Phase 1	1	Pump	Metso	Y	Y
Updated	2530-PP-1361	Final Tailings Pump #4 (Standby)	B	Phase 1	1	Pump	Metso	Y	Y
Updated	2530-PP-1362	Final Tailings Pump #5	B	Phase 1	1	Pump	Metso	Y	Y
Updated	2530-PP-1363	Final Tailings Pump #6 (Standby)	B	Phase 1	1	Pump	Metso	Y	Y
Updated	2530-PP-1364	Final Tailings Pump #7	B	Phase 1	1	Pump	Metso	Y	Y



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Updated	2530-PP-1365	Final Tailings Pump #8 (Standby)	B	Phase 1	1	Pump	Metso	Y	Y
Added	2540-PP-1383	Reclaim Water Pump #1	B	Phase 1	1	Pump	Others	N	N
Updated	2540-PP-1384	Reclaim Water Pump #2	B	Phase 1	1	Pump	Others	N	Y
Updated	2540-PP-1385	Reclaim Water Pump #3 (Standby)	B	Phase 1	1	Pump	Others	N	Y
	2610-TH-1400	Copper Concentrate Thickener	A	Phase 2	1	Thickener	Metso	Y	Y
	2610-ZA-1401	Copper Concentrate Thickener Feed Box	A	Phase 2		Feed Box	Metso	Y	N
	2610-ZA-1402	Copper Concentrate Thickener O/F Standpipe	A	Phase 2		Stand Pipe	Metso	Y	N
Updated	2610-PP-1403	Copper Concentrate Thickener U/F Pump #1	B	Phase 2		Pump	Metso	Y	Y
Updated	2610-PP-1404	Copper Concentrate Thickener U/F Pump #2 (Standby)	B	Phase 2		Pump	Metso	Y	Y
Updated	2610-PP-1405	Copper Concentrate Thickener O/F Pump #1	B	Phase 2		Pump	Metso	Y	Y
Updated	2610-PP-1406	Copper Concentrate Thickener O/F Pump #2 (Standby)	B	Phase 2		Pump	Metso	Y	Y
Updated	2610-PP-1414	Copper Concentrate Dewatering Spillage Pump	B	Phase 2		Spillage Pump	Metso	N	Y
	2610-TK-1415	Copper Concentrate Holding Tank	B	Phase 2		Tank	Metso	Y	N
Updated	2610-AG-1416	Copper Concentrate Holding Tank Agitator	B	Phase 2	1	Agitator	Metso	Y	N
Updated	2610-PP-1417	Copper Concentrate Filter Feed Pump #1	B	Phase 2		Pump	Metso	Y	N
Updated	2610-PP-1418	Copper Concentrate Filter Feed Pump #2 (Standby)	B	Phase 2		Pump	Metso	Y	N
Updated	2610-FL-1419	Copper Concentrate Filter Press Air Blow	B	Phase 2	1	Filter Press	Metso	Y	Y
Added	2610-TK-1420	Copper Concentrate Filter Press Membranes Squeezing Tank	B	Phase 2	1	Tank	Metso	Y	N
Added	2610-PP-1421	Copper Concentrate Filter Press Membranes Squeezing Pump	B	Phase 2		Pump	Metso	Y	N
Added	2610-HA-1422	Copper Concentrate Filter Press Air Blow Compressor	B	Phase 2	1	Air Compressor	Metso	Y	N
Added	2610-TK-1423	Copper Concentrate Filter Press Cake Washing Tank	B	Phase 2	1	Tank	Metso	Y	N
Added	2610-PP-1424	Copper Concentrate Filter Press Cake Washing Pump	B	Phase 2		Pump	Metso	Y	N
Updated	2610-TK-1425	Copper Concentrate Filter Wash Water Tank	B	Phase 2	1	Tank	Metso	Y	N
Updated	2610-PP-1426	Copper Concentrate Filter Wash Water Pump	B	Phase 2		Pump	Metso	Y	N
	2610-BN-1430	Copper Concentrate Cake Bin	A	Phase 2		Bin	Metso	Y	N
	2610-ZA-1431	Copper Concentrate Cake Bin Discharge Chute	A	Phase 2		Chute	Metso	Y	N
	2610-FD-1432	Copper Concentrate Discharge Screw Feeder	A	Phase 2	1	Feeder	Metso	Y	N
	2610-ZA-1433	Copper Concentrate Screw Feeder Discharge Chute	A	Phase 2		Chute	Metso	Y	N
	2620-TH-1450	High Grade Tin Concentrate Thickener	A	Phase 1	1	Thickener	Metso	Y	Y
	2620-ZA-1451	High Grade Tin Concentrate Thickener Feed Box	A	Phase 1		Feed Box	Metso	Y	N
	2620-ZA-1452	High Grade Tin Concentrate Thickener O/F Standpipe	A	Phase 1		Stand Pipe	Metso	Y	N
Updated	2620-PP-1453	High Grade Tin Concentrate Thickener U/F Pump #1	B	Phase 1		Pump	Metso	Y	Y
Updated	2620-PP-1454	High Grade Tin Concentrate Thickener U/F Pump #2 (Standby)	B	Phase 1		Pump	Metso	Y	Y
Updated	2620-PP-1455	High Grade Tin Concentrate Thickener O/F Pump #1	B	Phase 1		Pump	Metso	Y	Y
Updated	2620-PP-1456	High Grade Tin Concentrate Thickener O/F Pump #2 (Standby)	B	Phase 1		Pump	Metso	Y	Y
Updated	2620-PP-1459	High Grade Tin Concentrate Dewatering Spillage Pump	A	Phase 1		Spillage Pump	Metso	N	Y
	2620-TH-1460	Low Grade Tin Concentrate Thickener	A	Phase 1	1	Thickener	Metso	Y	Y
	2620-ZA-1461	Low Grade Tin Concentrate Thickener Feed Box	A	Phase 1		Feed Box	Metso	Y	N
	2620-ZA-1462	Low Grade Tin Concentrate Thickener O/F Standpipe	A	Phase 1		Stand Pipe	Metso	Y	N
Updated	2620-PP-1463	Low Grade Tin Concentrate Thickener U/F Pump #1	B	Phase 1		Pump	Metso	Y	Y
Updated	2620-PP-1464	Low Grade Tin Concentrate Thickener U/F Pump #2 (Standby)	B	Phase 1		Pump	Metso	Y	Y
Updated	2620-PP-1465	Low Grade Tin Concentrate Thickener O/F Pump #1	B	Phase 1		Pump	Metso	Y	Y
Updated	2620-PP-1466	Low Grade Tin Concentrate Thickener O/F Pump #2 (Standby)	B	Phase 1		Pump	Metso	Y	Y
Updated	2620-PP-1469	Low Grade Tin Concentrate Dewatering Spillage Pump	A	Phase 1		Spillage Pump	Metso	N	Y
	2620-TK-1470	High Grade Tin Concentrate Holding Tank	B	Phase 1		Tank	Metso	Y	N
Updated	2620-AG-1471	High Grade Tin Concentrate Holding Tank Agitator	A	Phase 1	1	Agitator	Metso	Y	N
Updated	2620-PP-1472	High Grade Tin Concentrate Filter Feed Pump #1	B	Phase 1		Pump	Metso	Y	N
Updated	2620-PP-1473	High Grade Tin Concentrate Filter Feed Pump #2 (Standby)	B	Phase 1		Pump	Metso	Y	N
Updated	2620-FL-1474	High Grade Tin Concentrate Filter Press	B	Phase 1	1	Filter Press	Metso	Y	Y
Added	2620-TK-1475	High Grade Tin Concentrate Filter Press Membranes Squeezing Tank	B	Phase 1	1	Tank	Metso	Y	N
Added	2620-PP-1476	High Grade Tin Concentrate Filter Press Membranes Squeezing Pump	B	Phase 1		Pump	Metso	Y	N
Added	2620-HA-1477	High Grade Tin Concentrate Filter Press Air Blow Compressor	B	Phase 1	1	Air Compressor	Metso	Y	N
Added	2620-TK-1478	High Grade Tin Concentrate Filter Press Cake Washing Tank	B	Phase 1	1	Tank	Metso	Y	N
Added	2620-PP-1479	High Grade Tin Concentrate Filter Press Cake Washing Pump	B	Phase 1		Pump	Metso	Y	N
Updated	2620-TK-1480	High Grade Tin Concentrate Filter Wash Water Tank	B	Phase 1	1	Tank	Metso	Y	N



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Updated	2620-PP-1481	High Grade Tin Concentrate Filter Wash Water Pump	B	Phase 1		Pump	Metso	Y	N
	2620-BN-1485	High Grade Tin Concentrate Cake Bin	A	Phase 1		Bin	Metso	Y	N
	2620-ZA-1486	High Grade Tin Concentrate Cake Bin Discharge Chute	A	Phase 1		Chute	Metso	Y	N
	2620-FD-1487	High Grade Tin Concentrate Discharge Screw Feeder	A	Phase 1	1	Feeder	Metso	Y	N
	2620-ZA-1488	High Grade Tin Concentrate Screw Feeder Discharge Chute	A	Phase 1		Chute	Metso	Y	N
	2620-ZM-1489	High Grade Tin Concentrate Bag Weight Scale	A	Phase 1		Scale	Others	N	N
	2620-TK-1495	Low Grade Tin Concentrate Holding Tank	B	Phase 1		Tank	Metso	Y	N
Updated	2620-AG-1496	Low Grade Tin Concentrate Holding Tank Agitator	A	Phase 1	1	Agitator	Metso	Y	N
Updated	2620-PP-1497	Low Grade Tin Concentrate Filter Feed Pump #1	B	Phase 1		Pump	Metso	Y	N
Updated	2620-PP-1498	Low Grade Tin Concentrate Filter Feed Pump #2 (Standby)	B	Phase 1		Pump	Metso	Y	N
Updated	2620-FL-1499	Low Grade Tin Concentrate Filter Press	B	Phase 1	1	Filter Press	Metso	Y	Y
Added	2620-TK-1500	Low Grade Tin Concentrate Filter Press Membranes Squeezing Tank	B	Phase 1	1	Tank	Metso	Y	N
Added	2620-PP-1501	Low Grade Tin Concentrate Filter Press Membranes Squeezing Pump	B	Phase 1		Pump	Metso	Y	N
Added	2620-HA-1502	Low Grade Tin Concentrate Filter Press Air Blow Compressor	B	Phase 1	1	Air Compressor	Metso	Y	N
Added	2620-TK-1503	Low Grade Tin Concentrate Filter Press Cake Washing Tank	B	Phase 1	1	Tank	Metso	Y	N
Added	2620-PP-1504	Low Grade Tin Concentrate Filter Press Cake Washing Pump	B	Phase 1		Pump	Metso	Y	N
Updated	2620-TK-1505	Low Grade Tin Concentrate Filter Wash Water Tank	B	Phase 1	1	Tank	Metso	Y	N
Updated	2620-PP-1506	Low Grade Tin Concentrate Filter Wash Water Pump	B	Phase 1		Pump	Metso	Y	N
	2620-CV-1510	Low Grade Tin Concentrate Filter Press Discharge Conveyor #1	A	Phase 1		Conveyor	Metso	Y	N
	2620-ZA-1511	Low Grade Tin Concentrate Discharge Chute #1	A	Phase 1		Chute	Metso	Y	N
	2620-CV-1512	Low Grade Tin Concentrate Filter Press Discharge Conveyor #2	A	Phase 1		Conveyor	Metso	Y	N
	2620-ZA-1513	Low Grade Tin Concentrate Discharge Chute #2	A	Phase 1		Chute	Metso	Y	N
	2620-ZM-1514	Low Grade Tin Concentrate Belt Scale	A	Phase 1		Scale	Metso	Y	N
	2630-TH-1530	Fluorite Concentrate Thickener	A	Phase 2	1	Thickener	Metso	N	Y
	2630-ZA-1531	Fluorite Concentrate Thickener Feed Box	A	Phase 2		Feed Box	Metso	N	N
	2630-ZA-1532	Fluorite Concentrate Thickener O/F Standpipe	A	Phase 2		Stand Pipe	Metso	N	N
Updated	2630-PP-1533	Fluorite Concentrate Thickener U/F Pump #1	B	Phase 2		Pump	Metso	N	N
Updated	2630-PP-1534	Fluorite Concentrate Thickener U/F Pump #2 (Standby)	B	Phase 2		Pump	Metso	N	N
Updated	2630-PP-1535	Fluorite Concentrate Thickener O/F Pump #1	B	Phase 2		Pump	Metso	N	Y
Updated	2630-PP-1536	Fluorite Concentrate Thickener O/F Pump #2 (Standby)	B	Phase 2		Pump	Metso	N	Y
Updated	2630-PP-1539	Fluorite Concentrate Dewatering Spillage Pump	A	Phase 2		Spillage Pump	Metso	N	Y
	2630-TK-1540	Fluorite Concentrate Holding Tank	B	Phase 2		Tank	Metso	N	N
Updated	2630-AG-1541	Fluorite Concentrate Holding Tank Agitator	A	Phase 2	1	Agitator	Metso	N	N
Updated	2630-PP-1542	Fluorite Concentrate Filter Feed Pump #1	B	Phase 2		Pump	Metso	N	N
Updated	2630-PP-1543	Fluorite Concentrate Filter Feed Pump #2 (Standby)	B	Phase 2		Pump	Metso	N	N
Updated	2630-FL-1544	Fluorite Concentrate Filter Press	B	Phase 2		Filter Press	Metso	N	Y
Added	2630-TK-1545	Fluorite Concentrate Filter Press Membranes Squeezing Tank	B	Phase 2	1	Tank	Metso	N	N
Added	2630-PP-1546	Fluorite Concentrate Filter Press Membranes Squeezing Pump	B	Phase 2		Pump	Metso	N	N
Added	2630-HA-1547	Fluorite Concentrate Filter Press Air Blow Compressor	B	Phase 2		Air Compressor	Metso	N	N
Added	2630-TK-1548	Fluorite Concentrate Filter Press Cake Washing Tank	B	Phase 2	1	Tank	Metso	N	N
Added	2630-PP-1549	Fluorite Concentrate Filter Press Cake Washing Pump	B	Phase 2		Pump	Metso	N	N
Updated	2630-TK-1550	Fluorite Concentrate Filter Wash Water Tank	B	Phase 2	1	Tank	Metso	N	N
Updated	2630-PP-1551	Fluorite Concentrate Filter Wash Water Pump	B	Phase 2		Pump	Metso	N	N
	2630-BN-1555	Fluorite Concentrate Cake Bin	A	Phase 2		Bin	Metso	N	N
	2630-ZA-1557	Fluorite Concentrate Cake Bin Discharge Chute	A	Phase 2		Chute	Metso	N	N
	2630-CV-1558	Fluorite Concentrate Filter Press Discharge Conveyor #1	A	Phase 2		Conveyor	Metso	N	N
	2630-ZA-1559	Fluorite Concentrate Discharge Chute #1	A	Phase 2		Chute	Metso	N	N
	2630-ZA-1561	Fluorite Concentrate Discharge Chute #2	A	Phase 2		Chute	Metso	N	N
	2630-ZM-1562	Fluorite Concentrate Belt Scale	A	Phase 2		Scale	Metso	N	N
	2630-ML-1570	Fluorite Concentrate Balling Drum	A	Phase 2		Pelletizer	Others	N	N
	2630-FD-1571	Fluorite Concentrate Balling Drum Screw Feeder	A	Phase 2	1	Feeder	Others	N	N
	2630-ZA-1572	Fluorite Concentrate Balling Drum Discharge Chute	A	Phase 2		Chute	Others	N	N
	2630-DR-1575	Fluorite Concentrate Dryer	A	Phase 2		Dryer	Others	N	N
	2630-BN-1576	Fluorite Concentrate Dryer Feed Hopper	A	Phase 2		Hopper	Others	N	N
	2630-FD-1577	Fluorite Concentrate Dryer Feeder	A	Phase 2		Feeder	Others	N	N
	2630-ZA-1578	Fluorite Concentrate Dryer Feed Chute	A	Phase 2		Chute	Others	N	N
	2630-ZA-1579	Fluorite Concentrate Dryer Discharge Chute	A	Phase 2		Chute	Others	N	N



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	2630-FD-1580	Fluorite Concentrate Dryer Discharge Screw Conveyor	A	Phase 2		Conveyor	Others	N	N
	2630-DC-1585	Fluorite Concentrate Dryer Dust Collector	A	Phase 2	1	Dust Collector	Others	N	N
	2630-FD-1586	Fluorite Concentrate Dust Collector Rotary Feeder	A	Phase 2		Feeder	Others	N	N
	2630-ZA-1587	Fluorite Concentrate Dust Collector Discharge Chute	A	Phase 2		Chute	Others	N	N
Updated	2630-HB-1595	Fluorite Concentrate Dust Collector Exhaust Fan	A	Phase 2		Fan	Others	N	N
	2630-ZA-1597	Fluorite Concentrate Dust Collector Exhaust Stack	A	Phase 2		Stack	Others	N	N
	2640-CV-1610	Fluorite Pellets Loadout Conveyor #1	A	Phase 2		Conveyor	Others	N	N
	2640-ZA-1611	Loadout Conveyor #1 Discharge Chute	A	Phase 2		Chute	Others	N	N
	2640-CV-1612	Fluorite Pellets Loadout Conveyor #2	A	Phase 2		Conveyor	Others	N	N
	2640-ZA-1613	Loadout Conveyor #2 Discharge Chute	A	Phase 2		Chute	Others	N	N
	2640-ZM-1614	Fluorite Pellets Belt Scale	A	Phase 2		Scale	Others	N	N
	2640-CV-1616	Fluorite Pellets Bucket Elevator	A	Phase 2		Bucket Elevator	Others	N	N
	2640-ZA-1617	Diverter Chute	A	Phase 2		Chute	Others	N	N
	2640-BN-1618	Silo #1	A	Phase 2		Silo	Others	N	N
	2640-ZA-1619	Silo #1 Discharge Chute	A	Phase 2		Chute	Others	N	N
Added	2640-FD-1620	Silo #1 Truck Feeder	B	Phase 2		Feeder	Others	N	N
	2640-BN-1621	Silo #2	A	Phase 2		Silo	Others	N	N
	2640-ZA-1622	Silo #2 Discharge Chute	A	Phase 2		Chute	Others	N	N
Added	2640-FD-1625	Silo #2 Truck Feeder	B	Phase 2		Feeder	Others	N	N
Added	2640-ZM-1722	Truck Scale #1	B	Phase 2		Scale	Others	N	N
Added	2640-ZM-1723	Truck Scale #2	B	Phase 2		Scale	Others	N	N
Added	2640-DC-1726	Fluorite Concentrate Loadout Dust Collector	B	Phase 2	1	Dust Collector	Others	N	N
Added	2640-FD-1727	Fluorite Concentrate Loadout Rotary Feeder	B	Phase 2		Feeder	Others	N	N
Added	2640-HB-1728	Fluorite Concentrate Loadout Dust Collector Fan	B	Phase 2		Fan	Others	N	N
Added	2640-ZA-1729	Fluorite Concentrate Loadout Stack	B	Phase 2		Stack	Others	N	N
	2710-TK-1653	Reclaim Water Tank	B	Phase 1		Tank	Others	N	N
Updated	2710-PP-1654	Reclaim Water Pump #1	A	Phase 1		Pump	Others	N	Y
Updated	2710-PP-1655	Reclaim Water Pump #2 (Standby)	A	Phase 1		Pump	Others	N	Y
	2720-TK-1660	Raw Water Tank	B	Phase 1		Tank	Others	N	N
Updated	2720-PP-1661	Raw Water Distribution Pump #1	A	Phase 1	1	Pump	Others	N	Y
Updated	2720-PP-1662	Raw Water Distribution Pump #2 (Standby)	A	Phase 1	1	Pump	Others	N	Y
	2720-ZM-1666	Potable Water Treatment System	A	Phase 1	1	Water Treatment Sys	Others	N	N
	2720-TK-1669	Potable Water Tank	A	Phase 1		Tank	Others	N	N
Updated	2720-PP-1670	Potable Water Distribution Pump	A	Phase 1	1	Pump	Others	N	N
	2720-TK-1675	Gland Water Tank	B	Phase 1		Tank	Others	N	N
Updated	2720-PP-1676	Gland Water Distribution Pump #1	A	Phase 1	1	Pump	Others	N	Y
Updated	2720-PP-1677	Gland Water Distribution Pump #2 (Standby)	A	Phase 1	1	Pump	Others	N	Y
	2730-TK-1700	Fire Water Tank	B	Phase 1		Tank	Others	N	N
	2730-PP-1701	Fire Water Pump	A	Phase 1	1	Pump	Others	N	N
	2730-PP-1702	Fire Water Diesel Pump	A	Phase 1	1	Pump	Others	N	N
	2730-PP-1703	Fire Water Jockey Pump	A	Phase 1	1	Pump	Others	N	N
	2730-PP-1704	Fire Water Recirculation Pump	A	Phase 1	1	Pump	Others	N	N
	2730-XT-1705	Fire Water In-line Heater	A	Phase 1	1	Heater	Others	N	N
	2730-TK-1706	Fire Water Membrane Tank	B	Phase 1		Tank	Others	N	N
	2750-HA-2160	Air Compressor #1	A	Phase 1	1	Compressor	Others	N	N
	2750-FL-2161	Air Filter #1	A	Phase 1		Air Filter	Others	N	N
	2750-HA-2164	Air Compressor #2 (Standby)	A	Phase 1	1	Compressor	Others	N	N
	2750-FL-2165	Air Filter #2	A	Phase 1		Air Filter	Others	N	N
	2750-VS-2172	Plant Air Receiver	A	Phase 1		Air Receiver	Others	N	N
Updated	2750-DR-2174	Air Dryer #1	B	Phase 1		Air Dryer	Others	N	N
Added	2750-FL-2176	Pre-Filter #1	B	Phase 1		Air Filter	Others	N	N
Added	2750-FL-2177	Post-Filter #1	B	Phase 1		Air Filter	Others	N	N



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Added	2750-DR-2180	Air Dryer #2 (Standby)	B	Phase 1		Air Dryer	Others	N	N
Added	2750-FL-2181	Pre-Filter #2	B	Phase 1		Air Filter	Others	N	N
Added	2750-FL-2184	Post-Filter #2	B	Phase 1		Air Filter	Others	N	N
	2750-VS-2175	Instrument Air Receiver	A	Phase 1	1	Air Receiver	Others	N	N
	2750-VS-2186	Filter Press Air Receiver #1	A	Phase 1		Air Receiver	Metso	Y	N
	2750-VS-2189	Filter Press Air Receiver #2	A	Phase 1		Air Receiver	Metso	Y	N
	2750-VS-2192	Filter Press Air Receiver #3	A	Phase 1		Air Receiver	Metso	Y	N
	2750-VS-2195	Filter Press Air Receiver #4	A	Phase 1		Air Receiver	Metso	Y	N
	2760-HB-2200	Flotation Air Blower #1	A	Phase 1	1	Blower	Metso	Y	N
	2760-FL-2201	Blower Air Filter #1	A	Phase 1		Air Filter	Metso	Y	N
Updated	2760-HB-2204	Flotation Air Blower #2	B	Phase 1	1	Blower	Metso	Y	N
	2760-FL-2205	Blower Air Filter #2	A	Phase 1		Air Filter	Metso	Y	N
	2760-HB-2208	Flotation Air Blower #3	A	Phase 1	1	Blower	Metso	Y	N
	2760-FL-2209	Blower Air Filter #3	A	Phase 1		Air Filter	Metso	Y	N
Updated	2760-HB-2212	Flotation Air Blower #4	B			Blower			
	2760-FL-2213	Blower Air Filter #4	A			Air Filter			
	2760-HB-2216	Flotation Air Blower #5	A			Blower			
	2760-FL-2217	Blower Air Filter #5	A			Air Filter			
	2760-HB-2220	Flotation Air Blower #6 (Standby)	A			Blower			
	2760-FL-2221	Blower Air Filter #6	A			Air Filter			
	2810-TK-1750	3418A Distribution Tank	A	Phase 2	1	Tank	Metso	Y	N
	2810-PP-1751	3418A Distribution Pump #1	A	Phase 2		Pump	Metso	Y	N
	2810-PP-1752	3418A Distribution Pump #2 (Standby)	A	Phase 2		Pump	Metso	Y	N
	2810-BN-1760	PAX Bag Breaker Hopper	A	Phase 2	1	Hopper	Metso	Y	N
	2810-TK-1761	PAX Preparation Tank	A	Phase 2		Tank	Metso	Y	N
Updated	2810-AG-1762	PAX Preparation Tank Agitator	A	Phase 2		Agitator	Metso	Y	N
	2810-PP-1763	PAX Transfer Pump	A	Phase 2		Pump	Metso	Y	N
	2810-TK-1766	PAX Distribution Tank	A	Phase 2		Tank	Metso	Y	N
Updated	2810-AG-1767	PAX Distribution Tank Agitator	A	Phase 2		Agitator	Metso	Y	N
	2810-PP-1768	PAX Distribution Pump #1	A	Phase 2		Pump	Metso	Y	N
	2810-PP-1769	PAX Distribution Pump #2 (Standby)	A	Phase 2		Pump	Metso	Y	N
	2810-BN-1775	SPA Bag Breaker Hopper	A	Phase 1	1	Hopper	Metso	Y	N
	2810-ZM-1776	SPA Feed System	A	Phase 1		Feed System	Metso	Y	N
	2810-TK-1777	SPA Preparation Tank	A	Phase 1		Tank	Metso	Y	N
Updated	2810-AG-1778	SPA Preparation Tank Agitator	A	Phase 1		Agitator	Metso	Y	N
	2810-XT-1779	SPA Preparation Tank Heater	A	Phase 1		Heater	Metso	Y	N
	2810-PP-1780	SPA Transfer Pump	A	Phase 1		Pump	Metso	Y	N
	2810-TK-1782	SPA Distribution Tank	A	Phase 1		Tank	Metso	Y	N
Updated	2810-AG-1783	SPA Collector Tank Agitator	A	Phase 1		Agitator	Metso	Y	N
	2810-PP-1784	SPA Distribution Pump #1	A	Phase 1		Pump	Metso	Y	N
	2810-PP-1785	SPA Distribution Pump #2 (Standby)	A	Phase 1		Pump	Metso	Y	N
	2810-TK-1790	OMC 1234 Storage Tank	A	Phase 2	1	Tank	Metso	N	N
	2810-PP-1791	OMC 1234 Discharge Pump	A	Phase 2		Pump	Metso	N	N
	2810-PP-1792	OMC 1234 Transfer Pump #1	A	Phase 2		Pump	Metso	N	N
	2810-PP-1793	OMC 1234 Storage Tank Recirculation Pump	A	Phase 2		Pump	Metso	N	N
	2810-XT-1794	OMC 1234 Storage Tank In-line Heater	A	Phase 2		Heater	Metso	N	N
	2810-TK-1797	OMC 1234 Mixing Tank	A	Phase 2		Tank	Metso	N	N
Updated	2810-AG-1798	OMC 1234 Mixing Tank Agitator	A	Phase 2		Agitator	Metso	N	N
	2810-XT-1799	OMC 1234 Mixing Tank Heater	A	Phase 2		Heater	Metso	N	N
	2810-PP-1800	OMC 1234 Transfer Pump #2	A	Phase 2		Pump	Metso	N	N
	2810-TK-1802	OMC 1234 Day Tank	A	Phase 2		Tank	Metso	N	N
	2810-XT-1803	OMC 1234 Day Tank Heater	A	Phase 2		Heater	Metso	N	N
	2810-PP-1804	OMC 1234 Distribution Pump #1	A	Phase 2		Pump	Metso	N	N
	2810-PP-1805	OMC 1234 Distribution Pump #2 (Standby)	A	Phase 2		Pump	Metso	N	N
Updated	2810-XL-1808	Reagent Preparation Overhead Crane	B	Phase 1	1	Crane	Others	N	N



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	2820-TK-1810	W-31 Storage Tank	B	Phase 1	1	Tank	Metso	Y	N
Added	2820-PP-1813	W-31 Transfer Pump	B	Phase 1		Pump	Metso	Y	N
Added	2820-TK-1814	W-31 Distribution Tank	B	Phase 1		Tank	Metso	Y	N
	2820-PP-1811	W-31 Distribution Pump #1	A	Phase 1		Pump	Metso	Y	N
	2820-PP-1812	W-31 Distribution Pump #2 (Standby)	A	Phase 1		Pump	Metso	Y	N
	2820-TK-1820	Montanol 800 Storage Tank	A	Phase 1	1	Tank	Metso	Y	N
	2820-PP-1822	Montanol 800 Transfer Pump	A	Phase 1		Pump	Metso	Y	N
	2820-TK-1825	Montanol 800 Distribution Tank	A	Phase 1		Tank	Metso	Y	N
	2820-PP-1826	Montanol 800 Distribution Pump	A	Phase 1		Pump	Metso	Y	N
	2830-BN-1835	Soda Ash Silo	A	Phase 2	1	Silo	Metso	N	N
	2830-FD-1836	Soda Ash Screw Feeder	A	Phase 2		Feeder	Metso	N	N
	2830-TK-1837	Soda Ash Mixing Tank	A	Phase 2		Tank	Metso	N	N
Updated	2830-AG-1838	Soda Ash Mixing Tank Agitator	A	Phase 2		Agitator	Metso	N	N
	2830-XT-1839	Soda Ash Mixing Tank Heater	A	Phase 2		Heater	Metso	N	N
	2830-PP-1840	Soda Ash Transfer Pump	A	Phase 2		Pump	Metso	N	N
	2830-TK-1843	Soda Ash Distribution Tank	A	Phase 2		Tank	Metso	N	N
Updated	2830-AG-1844	Soda Ash Distribution Tank Agitator	A	Phase 2		Agitator	Metso	N	N
	2830-XT-1845	Soda Ash Distribution Tank Heater	A	Phase 2		Heater	Metso	N	N
	2830-PP-1846	Soda Ash Distribution Pump #1	A	Phase 2		Pump	Metso	N	N
	2830-PP-1847	Soda Ash Distribution Pump #2 (Standby)	A	Phase 2		Pump	Metso	N	N
Updated	2830-TK-1855	Sulphuric Acid Storage Tank	B	Phase 1	1	Tank	Metso	Y	N
Updated	2830-PP-1856	Sulphuric Acid Discharge Pump	B	Phase 1		Pump	Metso	Y	N
Updated	2830-PP-1857	Sulphuric Acid Transfer Pump	B	Phase 1		Pump	Metso	Y	N
Updated	2830-TK-1860	Sulphuric Acid Distribution Tank	B	Phase 1		Tank	Metso	Y	N
Updated	2830-PP-1861	Sulphuric Acid Distribution Pump #1	B	Phase 1		Pump	Metso	Y	N
Updated	2830-PP-1862	Sulphuric Acid Distribution Pump #2	B	Phase 1		Pump	Metso	Y	N
Updated	2830-PP-1863	Sulphuric Acid Distribution Pump #3	B	Phase 1		Pump	Metso	Y	N
Updated	2830-PP-1864	Sulphuric Acid Distribution Pump #4	B	Phase 1		Pump	Metso	Y	N
Updated	2830-PP-1865	Sulphuric Acid Distribution Pump #5	B	Phase 1		Pump	Metso	Y	N
Added	2830-PP-1866	Sulphuric Acid Distribution Pump #6	B	Phase 1		Pump	Metso	Y	N
Updated	2830-PP-1867	Sulphuric Acid Distribution Pump #7 (Standby)	B	Phase 1		Pump	Metso	Y	N
	2830-BN-1870	SMBS Bag Breaker Hopper	A	Phase 2	1	Hopper	Metso	Y	N
	2830-TK-1871	SMBS Preparation Tank	A	Phase 2		Tank	Metso	Y	N
Updated	2830-AG-1872	SMBS Preparation Tank Agitator	A	Phase 2		Agitator	Metso	Y	N
	2830-PP-1873	SMBS Transfer Pump #1	A	Phase 2		Pump	Metso	Y	N
	2830-TK-1881	SMBS Distribution Tank	A	Phase 2		Tank	Metso	Y	N
Updated	2830-AG-1882	SMBS Distribution Tank Agitator	A	Phase 2		Agitator	Metso	Y	N
	2830-PP-1883	SMBS Distribution Pump #1	A	Phase 2		Pump	Metso	Y	N
	2830-PP-1884	SMBS Distribution Pump #2 (Standby)	A	Phase 2		Pump	Metso	Y	N
	2840-BN-1900	Silicate N Bag Breaker Hopper	A	Phase 1	1	Hopper	Metso	Y	N
	2840-TK-1901	Silicate N Preparation Tank	A	Phase 1		Tank	Metso	Y	N
Updated	2840-AG-1902	Silicate N Preparation Tank Agitator	A	Phase 1		Agitator	Metso	Y	N
	2840-PP-1903	Silicate N Transfer Pump #1	A	Phase 1		Pump	Metso	Y	N
Added	2840-XT-1904	Silicate N Preparation Tank Heater	B	Phase 1		Heater	Metso	Y	N
	2840-TK-1906	Silicate N Storage Tank	A	Phase 1		Tank	Metso	Y	N
	2840-PP-1907	Silicate N Discharge Pump	A	Phase 1		Pump	Metso	Y	N
	2840-PP-1908	Silicate N Transfer Pump #2	A	Phase 1		Pump	Metso	Y	N
Added	2840-XT-1909	Silicate N Storage Tank Heater	B	Phase 1		Heater	Metso	Y	N
	2840-TK-1911	Silicate N Distribution Tank	A	Phase 1		Tank	Metso	Y	N
Updated	2840-AG-1912	Silicate N Distribution Tank Agitator	A	Phase 1		Agitator	Metso	Y	N
	2840-PP-1913	Silicate N Distribution Pump #1	A	Phase 1		Pump	Metso	Y	N
	2840-PP-1914	Silicate N Distribution Pump #2 (Standby)	A	Phase 1		Pump	Metso	Y	N
Added	2840-XT-1915	Silicate N Distribution Tank Heater	B	Phase 1		Heater	Metso	Y	N
	2840-BN-1920	Unitan D-2 Bag Breaker Hopper	A	Phase 2	1	Hopper	Metso	N	N





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Status	Number	Description	Rev	Project Phase	Major Equip	Type	Scope of Supply	Mandatory for PG	Already offered or not
	2840-ZM-1921	Unitan D-2 Feed System	A	Phase 2		Feed System	Metso	N	N
	2840-TK-1922	Unitan D-2 Preparation Tank	A	Phase 2		Tank	Metso	N	N
Updated	2840-AG-1923	Unitan D-2 Preparation Tank Agitator	A	Phase 2		Agitator	Metso	N	N
	2840-XT-1924	Unitan D-2 Preparation Tank Heater	A	Phase 2		Heater	Metso	N	N
	2840-PP-1925	Unitan D-2 Transfer Pump	A	Phase 2		Pump	Metso	N	N
	2840-TK-1930	Unitan D-2 Distribution Tank	A	Phase 2		Tank	Metso	N	N
Updated	2840-AG-1931	Unitan D-2 Distribution Tank Agitator	A	Phase 2		Agitator	Metso	N	N
	2840-XT-1932	Unitan D-2 Distribution Tank Heater	A	Phase 2		Heater	Metso	N	N
	2840-PP-1933	Unitan D-2 Distribution Pump #1	A	Phase 2		Pump	Metso	N	N
	2840-ZM-1934	Unitan D-2 In-line Mixer #1	A	Phase 2		Mixer	Metso	N	N
	2840-PP-1935	Unitan D-2 Distribution Pump #2	A	Phase 2		Pump	Metso	N	N
	2840-ZM-1936	Unitan D-2 In-line Mixer #2	A	Phase 2		Mixer	Metso	N	N
	2840-PP-1937	Unitan D-2 Distribution Pump #3	A	Phase 2		Pump	Metso	N	N
	2840-ZM-1938	Unitan D-2 In-line Mixer #3	A	Phase 2		Mixer	Metso	N	N
	2840-PP-1939	Unitan D-2 Distribution Pump #4	A	Phase 2		Pump	Metso	N	N
	2840-ZM-1940	Unitan D-2 In-line Mixer #4	A	Phase 2		Mixer	Metso	N	N
	2850-BN-1950	Copper Sulphate Bag Breaker Hopper	A	Phase 2	1	Hopper	Metso	Y	N
	2850-TK-1951	Copper Sulphate Preparation Tank	A	Phase 2		Tank	Metso	Y	N
Updated	2850-AG-1952	Copper Sulphate Preparation Tank Agitator	A	Phase 2		Agitator	Metso	Y	N
	2850-PP-1953	Copper Sulphate Transfer Pump	A	Phase 2		Pump	Metso	Y	N
	2850-TK-1956	Copper Sulphate Distribution Tank	A	Phase 2		Tank	Metso	Y	N
Updated	2850-AG-1957	Copper Sulphate Distribution Tank Agitator	A	Phase 2		Agitator	Metso	Y	N
Updated	2850-PP-1958	Copper Sulphate Distribution Pump #1	B	Phase 2		Pump	Metso	Y	N
Added	2850-PP-1959	Copper Sulphate Distribution Pump #2 (Standby)	B	Phase 2		Pump	Metso	Y	N
		<b>Flocculant</b>							
	2860-BN-1980	M155 Bag Breaker Hopper	A	Phase 1	1	Hopper	Metso	Y	N
	2860-ZM-1981	M155 Feed System	A	Phase 1		Feed System	Metso	Y	N
	2860-TK-1982	M155 Preparation Tank	A	Phase 1		Tank	Metso	Y	N
Updated	2860-AG-1983	M155 Preparation Tank Agitator	A	Phase 1		Agitator	Metso	Y	N
	2860-PP-1984	M155 Transfer Pump	A	Phase 1		Pump	Metso	Y	N
	2860-TK-1989	M155 Distribution Tank	A	Phase 1		Tank	Metso	Y	N
Updated	2860-AG-1990	M155 Distribution Tank Agitator	A	Phase 1		Agitator	Metso	Y	N
	2860-PP-1991	M155 Distribution Pump #1	A	Phase 1		Pump	Metso	Y	N
	2860-ZM-1992	M155 In-line Mixer #1	A	Phase 1		Mixer	Metso	Y	N
	2860-PP-1993	M155 Distribution Pump #2	A	Phase 1		Pump	Metso	Y	N
	2860-ZM-1994	M155 In-line Mixer #2	A	Phase 1		Mixer	Metso	Y	N
	2860-PP-1995	M155 Distribution Pump #3	A	Phase 1		Pump	Metso	Y	N
	2860-ZM-1996	M155 In-line Mixer #3	A	Phase 1		Mixer	Metso	Y	N
	2860-PP-1997	M155 Distribution Pump #4	A	Phase 1		Pump	Metso	Y	N
	2860-ZM-1998	M155 In-line Mixer #4	A	Phase 1		Mixer	Metso	Y	N
	2860-PP-1999	M155 Distribution Pump #5	A	Phase 1		Pump	Metso	Y	N
	2860-ZM-2000	M155 In-line Mixer #5	A	Phase 1		Mixer	Metso	Y	N
	2860-PP-2001	M155 Distribution Pump #6	A	Phase 1		Pump	Metso	Y	N
	2860-ZM-2002	M155 In-line Mixer #6	A	Phase 1		Mixer	Metso	Y	N
	2860-BN-2010	M10 Bag Breaker Hopper	A	Phase 1	1	Hopper	Metso	Y	N
	2860-ZM-2011	M10 Feed System	A	Phase 1		Feed System	Metso	Y	N
	2860-TK-2012	M10 Preparation Tank	A	Phase 1		Tank	Metso	Y	N
Updated	2860-AG-2013	M10 Preparation Tank Agitator	A	Phase 1		Agitator	Metso	Y	N
	2860-PP-2014	M10 Transfer Pump	A	Phase 1		Pump	Metso	Y	N
	2860-TK-2019	M10 Distribution Tank	A	Phase 1		Tank	Metso	Y	N
Updated	2860-AG-2020	M10 Distribution Tank Agitator	A	Phase 1		Agitator	Metso	Y	N
	2860-PP-2021	M10 Distribution Pump	A	Phase 1		Pump	Metso	Y	N
	2860-ZM-2022	M10 In-line Mixer	A	Phase 1		Mixer	Metso	Y	N
	2860-PP-2023	Flocculant Distribution Pump (Spare)	A	Phase 1		Pump	Metso	Y	N



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Status	Number	Description	Rev	Project Phase	Major Equip	Type	Scope of Supply	Mandatory for PG	Already offered or not
	2890-BN-2145	Ball Mill Grinding Media Bin	A	Phase 1		Bin	Metso	Y	N