

LIST OF MAIN AND SUPPORTING EQUIPMENT FOR THE PURCHASE OF MINI FLOTATION CELLS FOR ROUGHER FLOTATION AND THREE-STAGE CLEANING

No.	Position No.	Description	Oder Qty
1	Pos 1	<p><b>Laboratory Grate Ball Mill with spiral classifier and control box</b>                      Capacity = 5 - 10 kg/hr                      Raw Hopper volume: 35L                      Feeder power: 0.12kW                      Φ200×240mm ball mill 0.75kW                      Φ75×800mm classifier 0.25kW                      Dimension: 1400x1100x1230mm                      Weight: 490kg  <b>For ore grinding and classification</b></p>	1
2	Pos 2	<p><b>50L Continous Conditioning Tank,</b>                      Material: carbon steel                      Tank Size: Ø368 x 510mm                      Impeller Diameter: 120mm                      Power: 750W                      Dimension: 400x400x1500mm                      Weight: 75 kg  <b>For slurry conditioning before rougher flotation</b></p>	1
3	Pos 3	<p><b>Hose pump 0.07~12L/min</b>                      Max speed:600rpm                      Speed Mode: digital knob to adjust the speed                      Display Method: 4 digit led displays flow                      Power supply:AC 220~240V                      Power: &lt;400W                      Dimension: 372x232x226mm                      Weight: 20 kg                      Shell: stainless steel  <b>For pumping the slurry from 50L conditioning tank to rougher flotation</b></p>	1

4	Pos 4	<p><b>1L continous Flotation Cell,</b>  Tank Volume <b>1L in 8 tank</b>  <b>For rougher flotation 6 cells (2 cells can be included or excluded from operation), 2 cells for scavenger (can be included or excluded from operation)</b> Tank material: stainless steel  Power: 250W·4  Impeller speed: 0-2800 rpm  Weight: 160kg  Dimension: 134x62x76cm</p>	1
5	Pos 5	<p><b>Hose pump 0.07~12L/min</b>  Max speed:600rpm  Speed Mode: digital knob to adjust the speed  Display Method: 4 digit led displays flow  Power supply:AC 220~240V  Power: &lt;400W  Dimension: 372x232x226mm  Weight: 20 kg  Shell: stainless steel  <b>For pumping the extended and scavenger concentration to rougher flotation</b></p>	1
6	Pos 6	<p><b>Hose pump 0.07~12L/min</b>  Max speed:600rpm  Speed Mode: digital knob to adjust the speed  Display Method: 4 digit led displays flow  Power supply:AC 220~240V  Power: &lt;400W  Dimension: 372x232x226mm  Weight: 20 kg  Shell: stainless steel  <b>For pumping the tailings to the thickener</b></p>	1
7	Pos 7	<p><b>Hose pump 0.07~12L/min</b>  Max speed:600rpm  Speed Mode: digital knob to adjust the speed  Display Method: 4 digit led displays flow  Power supply:AC 220~240V</p>	1

		Power: <400W Dimension: 372x232x226mm Weight: 20 kg Shell: stainless steel <b>For rougher flotation concentration to 20L agitation tank-conditioner before regrinding</b>	
8	Pos 8	<b>20L buffer agitation tank-conditioner before regrinding ball mill</b> Material: carbon steel Tank Size: Ø270 x 350mm Impeller Diameter: 116mm Power: 750W Dimension: 500x330x920mm Weight: 53 kg	1
9	Pos 9	<b>Hose pump 0.07~12L/min</b> Max speed:600rpm Speed Mode: digital knob to adjust the speed Display Method: 4 digit led displays flow Power supply:AC 220~240V Power: <400W Dimension: 372x232x226mm Weight: 20 kg Shell: stainless steel <b>For pump the slurry from 20L buffer agitation tank-conditioner to regrinding ball mill</b>	1
10	Pos 10	<b>Laboratory Grate Ball Mill with spiral Classifier and control box</b> Raw Hopper volume: 35L Capacity = 5 - 10 kg/hr Feeder power: 0.12kW Φ200×240mm ball mill 0.75kW Φ75×800 classifier 0.25kW Dimension: 1400x1100x1230mm Weight: 490 kg <b>For regrinding and classification of rough concentrate</b>	1

11	Pos 11	<p><b>20L agitation tank-conditioned before 1 st cleaning flotation.</b>  Material: carbon steel  Tank Size: Ø270 x 350mm  Impeller Diameter: 116mm  Power: 750W  Dimension: 500x330x920mm  Weight: 53 kg</p>	1
12	Pos 12	<p><b>Hose pump 0.07~8L/min</b>  Max speed:600rpm  Speed Mode: digital knob to adjust the speed  Display Method: 4 digit led displays flow  Power supply:AC 220~240V  Power: &lt;200W  Dimension: 280x230x160mm  Weight: 16 kg  Shell: stainless steel  <b>For pumping the slurry from 20L agitation tank to 1st cleaner.</b></p>	1
13	Pos 13	<p><b>0.75 L continous Flotation Cell,</b>  Tank Volume <b>0.75L in 4 tank</b>  For 1<sup>st</sup> cleaning flotation  Tank material: stainless steel  Power: 250W·2  Impeller speed: 0-2800 rpm  Weight: 95 kg  Dimension: 87x62x77cm</p>	1
14	Pos 14	<p><b>Hose pump 0.07~8L/min</b>  Max speed:600rpm  Speed Mode: digital knob to adjust the speed  Display Method: 4 digit led displays flow  Power supply:AC 220~240V  Power: &lt;200W  Dimension: 280x230x160mm  Weight: 16 kg  Shell: stainless steel</p>	1

		<b>For pumping the 1 st cleaning tailings back to 50L agitation tank before rough flotation</b>	
15	Pos 15	<b>5L agitation tank-conditioner before 2<sup>nd</sup> cleaner</b> Material: carbon steel Tank Size: Ø190 x 190mm Impeller Diameter: 48mm Power:180W Dimension: 304x505x633mm Weight: 40 kg	1
16	Pos 16	<b>Hose pump 0.07~8L/min</b> Max speed:600rpm Speed Mode: digital knob to adjust the speed Display Method: 4 digit led displays flow Power supply:AC 220~240V Power: <200W Dimension: 280x230x160mm Weight: 16 kg Shell: stainless steel <b>For pumping the slurry from 5L agitation Tank-conditioner to 2 nd cleaning flotation</b>	1
17	Pos 17	<b>0.5 L continous Flotation Cell,</b> Tank Volume 0.5L in 2 tank For 2 <sup>nd</sup> cleaning flotation Tank material: stainless steel Power: 250W Impeller speed: 0-2800 rpm Weight: 65 kg Dimension: 62x72x77cm	1
18	Pos 18	<b>Hose pump 0.07~8L/min</b> Max speed:600rpm Speed Mode: digital knob to adjust the speed Display Method: 4 digit led displays flow Power supply:AC 220~240V Power: <200 W Dimension: 280x230x160mm	1

		<p>Weight: 16 kg  Shell: stainless steel  <b>For pumping the 2 nd cleaning flotation tailngs back to 20L agitation tank-conditioner before 1<sup>ST</sup> cleaning.</b></p>	
19	Pos 19	<p><b>5L agitation tank-conditioner before 3rd cleaner</b>  Material: carbon steel  Tank Size: Ø190 x 190mm  Impeller Diameter: 48mm  Power:180W  Dimension: 304x505x633mm  Weight: 40 kg</p>	1
20	Pos 20	<p><b>Hose pump 0.07~8L/min</b>  Max speed:600rpm  Speed Mode: digital knob to adjust the speed  Display Method: 4 digit led displays flow  Power supply:AC 220~240V  Power: &lt;200 W  Dimension: 280x230x160mm  Weight: 16 kg  Shell: stainless steel  <b>For pumping the slurry from 5L agitation tank-conditioner to 3<sup>rd</sup> cleaning flotation</b></p>	1
21	Pos 21	<p><b>0.5 L continous Flotation Cell,</b>  Tank Volume 0.5L in 2 tank  For 3<sup>rd</sup> cleaning flotation  Tank material: stainless steel  Power: 250W  Impeller speed: 0-2800 rpm  Weight: 65 kg  Dimension: 62x72x77cm</p>	1
		<p><b>Hose pump 0.07~8L/min</b>  Max speed:600rpm  Speed Mode: digital knob to adjust the speed  Display Method: 4 digit led displays flow</p>	

22	Pos 22	Power supply:AC 220~240V Power: <200W Dimension: 280x230x160mm Weight: 16 kg Shell: stainless steel <b>For pumping the 3<sup>rd</sup> cleaning flotation tailings back to 5L agitation tank-conditioner before 2<sup>nd</sup> cleaning flotation.</b>	1
23	Pos 23	<b>Hose pump 0.07~8L/min</b> Max speed:600rpm Speed Mode: digital knob to adjust the speed Display Method: 4 digit led displays flow Power supply:AC 220~240V Power: <200W Dimension: 280x230x160mm Weight: 16 kg Shell: stainless steel <b>For pumping the concentration to the thickener</b>	1
24	Pos 24 First dosing system for 4 types of reagents	<b>5L Continous Conditioning Tank,</b> Material: carbon steel Tank Size: Ø190 x 190mm Impeller Diameter: 48mm Power:180W Dimension: 304x505x633mm Weight: 40 kg	4
		<b>Hose pump 0~1140ml/min</b> Max speed:300rpm Speed Mode: digital knob to adjust the speed Display Method: 4 digit led displays flow Power supply:AC 220~240V Power: <35W Dimension: 243x154x144mm Weight: 8 kg	4
		<b>5L Continous Conditioning Tank,</b> Material: carbon steel	

25	Pos 25 Second dosing system for 4 types of reagents	Tank Size: Ø190 x 190mm Impeller Diameter: 48mm Power:180W Dimension: 304x505x633mm Weight: 40 kg	4
		<b>Hose pump</b> 0~1140ml/min Speed Mode: digital knob to adjust the speed Display Method: 4 digit led displays flow Power supply:AC 220~240V Power: <35W Dimension: 243x154x144mm Weight: 8 kg	4
26	Pos 26	<b>Hose pump 0.07~8L/min</b> Max speed:600rpm Speed Mode: digital knob to adjust the speed Display Method: 4 digit led displays flow Power supply:AC 220~240V Power: <200W Dimension: 280x230x160mm Weight: 16 kg Shell: stainless steel <b>For pumping sewage water of concentration</b>	1
27	Pos 27	<b>Hose pump 0.07~12L/min</b> Max speed:600rpm Speed Mode: digital knob to adjust the speed Display Method: 4 digit led displays flow Power supply:AC 220~240V Power: <400W Dimension: 372x232x226mm Weight: 20 kg Shell: stainless steel <b>For pumping sewage water of tailings</b>	1
28	Pos 28	<b>Small thickener</b> Tank Diameter 700mm x height 630mm Rake Speed: 0.284RPM	2



		Power: 0.55kW General Dimension: 700x700x1800mm Weight: 180kg <b>One for tailings</b> <b>One for concentration</b>	
29	Pos 29	<b>Laboratory scale filter press with feeding pump and air compressor, for concentrate</b> Filter area 0.5m <sup>2</sup> Filter Plate Size: 250x250mm Feed pressure: 0.6MPa Plate Number 5+1+1 Weight:240kg Dimension:1340x560x817mm Body Material: stainless steel <b>Filter cloth material: Polypropylene composite silk</b>	1
30	Pos 30	<b>Laboratory scale filter press with feeding pump and air compressor for tailings</b> Filter Plate Size: 380x380mm Feed pressure: 0.6MPa Plate Number 4+1+1 Weight:490kg Dimension:1230x570x700 mm Body Material: carbon steel <b>Filter cloth material: Polypropylene composite silk</b>	1
31	Pos 31	<b>5L agitation-conditioner for concentration water and tailing water neutralize</b> Material: carbon steel Tank Size: Ø190 x 190mm Impeller Diameter: 48mm Power:180W Dimension: 304x505x633mm Weight: 40 kg	2
<b>Others</b>			
	SPMAT001	Connnection pipes	

		For connect all the equipment of the plant	1
	SPMAT001 <b>Back Up Hose Pump</b>	<b>Hose pump 0.07~12L/min</b> Max speed:600rpm Speed Mode: digital knob to adjust the speed Display Method: 4 digit led displays flow Power supply:AC 220~240V Power: <400W Dimension: 372x232x226mm Weight: 20 kg Shell: stainless steel	2
		<b>Hose pump 0.07~8L/min</b> Max speed:600rpm Speed Mode: digital knob to adjust the speed Display Method: 4 digit led displays flow Power supply:AC 220~240V Power: <200W Dimension: 280x230x160mm Weight: 16 kg Shell: stainless steel	2