

5. Fiber Sifting

Item	Qty	Description	Make	Equip #
170	1	Flatbelt Conveyor	Siempelkamp-Sicopan	2591
		19.5 meter length, 2000 mm wide belt		
		9.2 kW gear motor drive,		
		with belt cleaning and tensioning devices,		
		inclined lateral guiding rollers		
		dust & rain cover, plus safety equipment		
171	1	Through Belt Conveyor	Siempelkamp-Sicopan	2592
		80 meter length, x 2000 mm belt width		
		15 meter outfeed height,		
		9/22 degree inclination,		
		18.5 kW gear motor drive		
		with belt cleaning and tensioning devices,		
		inclined lateral guiding rollers		
		dust & rain cover, plus safety equipment		
		with metal dector, 2000 mm width		2593
172	1	Fiber Sifting System #1	Siemplekamp Ventapp	2615
		working width of 3.25 meter x 2		
		169,000 m3/h air flow rate,		
		165,000 m3/h cyclone back air to sifter rate,		
		42,000 m3/h fresh air intake,		
		46,000 m3/h back air to WESP rate,		
		system complete with		
		(2) 250 kW radial fans to cyclone,		
		132 kW radial back air fan to sifter		
		110 kW power radial fan for exhaust air,		
		11 kW power rotary airlock,		
		extinguishing nozzles/ temperature probes and controllers		
		steam air heater with condensate and steam section		
		control, butterfly and electric actuator-shutoff valves		
		temperature gauge and monitoring equipment		
173		Rotary Air Lock		
		WN1500	LHS	2597, 2598
		with 11 kW drives		
174	1	Fiber Sifting System 2	Siemplekamp Ventapp	2615
		working width of 3.25 meter x 2		
		169,000 m3/h air flow rate,		
		165,000 m3/h cyclone back air to sifter rate,		
		42,000 m3/h fresh air intake,		
		46,000 m3/h back air to WESP rate,		
		system complete with		
		(2) 250 kW radial fans to cyclone,		
		132 kW radial back air fan to sifter		
		110 kW power radial fan for exhaust air,		
		11 kW power rotary airlock,		
		extinguishing nozzles/ temperature probes and controllers		
		steam air heater with condensate and steam section		
		control, butterfly and electric actuator-shutoff valves		
		temperature gauge and monitoring equipment		
175	1	Rotary Air Lock		
		WN1500	LHS	2597, 2598

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		with 11 kW drives		
176	1	Twin Screw Blending Conveyor	Siempelkamp	2596
		designed for distribution of rice straw fibers over (2) double sifter units,		
		32,000 eff kg/h gravimetric throughput,		
		400 m3/h volumetric throughput,		
		8-12% bd moisture content,		
		40 eff kg/m3 bulk density content,		
		10,200 mm screw length,		
		1000 mm screw dia,		
		(2) 15 kW gear motor drives		
		covers with inspection doors		
		fire fighting nozzles and set of bursting discs		
		set of fire fighting nozzles		
177	1	Sifter #1 Main Fan		
178	1	Sifter #1 Return Air Fan		
179	1	Sifter #2 Main Fan		
180	1	Sifter #2 Return Air Fan		
181	1	Sifter Fan Pipework Extending		
		Extending from sifter bldg to Mat Forming Cyclone		
182	1	Recirculating Hot Water Tank		
183	1	Round Filter System	LHS	2783
		for automatic compressed air cleaning		
		approx total air volume of 1800 m3/h		
		24.5 m2 filter area		
		positive unit pressure		
		2.5 kW power system		
		includes		
		pressure difference control		
		temperature probe		
		burst discs with rupture detection		
		firefighting nozzles		
		rotary discharge valve under filter with 2.2 kW gear drive		
184	1	High Voltage Air Fan	Ventapp	
185	1	Sifter Collection System		
186	1	Mat Former Collection System		
187	1	(3) Explosion Isolation Flap Valve	Adix	
188	1	Sifter Reclaim Structure		4976
		Contents includes rotary air locks, blower fan and cyclone		
189	1	Collection Fan	Ventapp	
190	1	Collection Fan	Ventapp	
191	1	Rotary Blower	Kaiser	
192	1	Sifter Aux Drive Panels		
		located in SR-22		
193	1	Wet Electrostatic Precipitator MCC	Allen Bradley	
		located in SR-22		

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194		Siemens Switchboard Section		
		located in SR-22 Electrical Vault		
195		Daikin Room Air Conditioning System		
		Located on roof of SR-2A		