



## Good Conditioned Equipment Required in Aarti Industries Ltd.

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Sr No	Equipment description	Type of equipment	Req. MOC	Req. Qty	Nos. of Equipment	Capacity
1	Ammonia Storage Tank	Storage Tank	CS	1	1 no. of tank Design Pres.:FV to 20	6.4 m3
2	KEY RM RECOVERY COLUMN	Column	Dulpex Steel	1	1 no. of column with structured packings	4 mtrs X 2 Beds packing height
3	POWDER TRANSFER SYSTEM	Powder Transfer System	SS316L	1	1 Jumbo bag packing system package	800-1000 Kg/hr
4	Ammonia Tonner Unloading Package with EOT Crane	Ammonia Tonner Unloading System	CS	1	5 nos. of Tonners (400 Kgs) with unloading header & EOT Crane	2500 Kgs/Batch
5	AMMONIA FEED PUMP	Feed Pump	SS316	2	2 nos. of centrifugal pumps with double mechanical seal	5 m3/hr
6	Ammonolysis Reactor	Reactor	CS + SS316 Cladding	1	1 no. of reactor	21.1 m3
7	ANF Closed Wet Cake Handling System with LEV Blower	ANF Closed Wet Cake Handling System with LEV Blower	VTS	1	2 nos. of ANF & 1 no. of Bag Filling Package	ANF:1000 kg/hr X 2 Bag Packing Syste:1000 Kg/hr
8	Steam condensate Package	Condensate Package	CS	1	2 nos. of vessels 1 no. of PPPU pump 1 no. of Shell & TUBE HE	1300 kg/hr
9	FOR KEY RM COLUMN PUMP	Column Pump	Duplex Steel	2	2 nos. of Pumps	5 m3/hr
10	RECOVERY WFE WITH INTERNAL CONDENSER	Sulfolane Recovery WFE with Internal Condenser	SS316	1	1 no. of Evapourator with Condenser	660 kg/hr
11	Heat Exchagners	Heat Exchangers	Tube MOC: SS316/Duplex Steel	8	6 nos. of heat exchagers & 2 no. of PHE	Condenser Heat Transfer Area:35 m2, 12.2 m2, 4 m2, 15 m2, 6.1 m2, 25.5 m2 PHE Data: 30000 kg/hr, 12000 kg/hr