

Annex-A

	Item Description/Specifications	A/U	Quantity
1	Single-Stage Rotary Vane Vacuum Pump with motor, Model : X-40 Joyson or equivalent, Rated Speed: 40 m3/hr, Utmost Pressure: 0.1-0.5 mbar , Suction rate of vapor: 0.6 kg/hr or higher, Motor Rated power : 1.1 kW, Power supply : 420 V (3 phase), Connection of inlet: 1.25"	No	1
2	Roots Vacuum Pump with motor, Model: ZJP-70, EVP or equivalent, Flow rate: 252 m3 /hr, Ultimate Vacuum: 5×10 -4 mbar, Motor Power : 1.1 kW, Power supply : 420 V (3 phase), Inlet / Outlet Flange size: 80 mm	No	1
3	External Rotary Gear Pump (circular arc gear type) with motor, Model: YCB1.6-0.6/4, Sili Pump China or equivalent, Capacity : 2.5 m3/hr , Pressure : 6 bar, Motor Rating : 1.1 kW, Power supply : 420 V (3 phase), Connection (DN): 32mm	No	3
4	Stainless Steel Electric Tubular Heating Element, Type: Immersion Heater Rated Power: 9 kW, Thread: 2" BSP, Tube Dia: 10 mm, Tube Length: 450mm, Power Supply: 420 V (3 phase), Superb heater china or equivalent	No	6
5	Coarse Filter, Dia = 150 mm , L=650 mm, Mesh Size = 50 µm, Chinese or equivalent <i>(Standard oil filter, one closed end)</i>	No	2
6	Fine Filters (20 micron), Dia = 80mm , Mesh Size = 20 µm, L= 650 mm, Chinese or equivalent <i>(Standard oil filter, one closed end)</i>	No	6
7	Fine Filters (1 micron), Dia = 80mm, Mesh Size = 1 µm, L= 650 mm, Chinese or equivalent <i>(Standard oil filter, one closed end)</i>	No	6
8	Metal pall rings, Ø 25 mm (dia) x 25 mm (height), wall thickness ~ 0.4 - 0.6 mm, material stainless steel SS 316, Chinese or equivalent	kg	100

a) Required brands (where applicable, minimum 3 x brands).

b) Please tick relevant box

☐ Installation

☐ Testing

☐ Commissioning

☐ Training

☒ Warranty requirement

☐ Any other please specify

Radha

Cat # 1. General Supply
Cat # 4 Vacuum Lines