

# Shivaji University, Kolhapur

## Department of Technology

Package Code	Package Name	Items	Description of Works/Goods	Qty	Method of Procurement
TEQIP-II/MH/MH1G05/112	CRE/ MT LAB	RTD Study In Plug Flow Reactor (coiled tube type).with: Air compressor 1 /2 Hp, 2 CFM with standard Make Motor and Automatic pressure Switch	q Reactor : Material Stainless Steel, Capacity 0.7 Ltrs. (Approx) (Helical Coiled Tube Type) q Feed Tank : Material Stainless Steel, Capacity - 20 Ltrs. q Feed Circulation : By compressed air. q Flow Measurement : Rotameter. q Piping : Material Stainless Steel and PVC. q Pressure Regulator : 0-2 Kg/cm2 q Pressure Gauge : Bourdon type 0-2 Kg/cm2 q Stop Watch : Electronic q The whole unit is assembled rigidly on a base plate and mounted on a stand. q Most of the parts are powder coated and rests are painted with auto paints.	1	Shopping
		RTD Packed Bed Reactor. with Air compressor 1 /2 Hp, 2 CFM with standard Make Motor and Automatic pressure Switch	q Reactor Column : Material Borosilicate Glass q Packing : Rasching Rings, Material Borosilicate Glass. Size 8-10mm (approx) q Feed Tank : Material Stainless Steel, Capacity - 20 Ltrs. q Feed Circulation : By compressed air. q Flow Measurement : Rotameter. q Piping : Stainless Steel and PVC. q Pressure Regulator : 0-2 Kg/cm2 q Pressure Gauge : Bourdon type 0-2 Kg/cm2 q Stop Watch : Electronic q The whole unit is assembled rigidly on a plate and mounted on a stand. q Most of the parts are powder coated and rest are painted with auto paints.	1	

		<p>Combined Flow Reactor. With: Air compressor 1 /2 Hp, 2 CFM WITH STANDARD Make Motor and Automatic pressure Switch</p>	<p>q 1st Reactor : Material Stainless Steel, Capacity 0.7 Ltrs. (approx) (Helical Coiled Tube Type) q 2nd Reactor : Material Stainless Steel, Capacity 2 Ltrs (Approx). q Stirrer for MFR : Stainless Steel Impeller and shaft coupled with FHP motor Remi/Eltek make. q Feed Tank (2Nos.) : Material Stainless Steel, Capacity - 20 Ltrs. q Feed circulation : By compressed air. q Flow Measurement : Rotameter 2 Nos. (one each for Reactants)</p>	<p>1</p>	
		<p>Packed Bed Distillation Column With: Refractometer</p>	<p>q Distillation Column: Material Stainless Steel , Dia 80mm, Length 900mm (approx). q Packing Material: Borosilicate Glass Rasching Rings. q Pressure Gauge : Bourdon type q Rotameter : For cooling water flow rate measurement. q Steam Generator:</p>	<p>1</p>	