

# Shivaji University, Kolhapur

## Department of Technology

Package Code	Package Name	Items	Description of Works/Goods	Qty	Method of Procurement
TEQIP-II/MH/MH1G05/36	Solar Thermal	1. Solar Thermal Training Kit	Solar water heater (Flat plate collector): 2 m <sup>2</sup> area, Collector dimension , Aperture area Glazing type: Toughened glass, Glazing transmission, Effective absorber surface area, Absorber plate dimension, Emittance/Absorptance, Raiser dimension: 12.7 mm (>3.0 ltr capacity), Raiser test pressure 5kg/sq. cm, Raiser working pressure: >3.0 kg/sq cm.	1	Shopping
		2. Solar Concentrator system	Solar Concentrator System training kit with forced circulation system and performance evaluation, instrumentation-computer compatible, Solar concentrator collector, Glazing transmission, Effective absorber surface area, Emittance/Absorptance, Raiser dimension , Raiser test pressure 5kg/sq. cm , Raiser working pressure, Insulation: Rockwool	1	

		3. Solar air heater testing kit	Solar air heater testing kit (80 to 100 dec Celsius) with , blower, sensors, structure with pipe and fittings, data logger, computer compatible, Forced Air Heater, Heat Torch, Corrosion Resistant, Explosion-Proof, Internal Temperature Detector, Microprocessor Controlled, Multiple / Independent Timing Controls, Overheat Protection, Weatherproof Housing	1
		4. Solar cooker	Box type with three pots and concentrating type one each as per MNRE norms	1
		5. Solar distillation plant	Solar distillation plant up to 5 sq. meter as per MNRE norms	1