

Shivaji University, Kolhapur

Department of Technology

Package Code	Package Name	Items	Description of Works/Goods	Qty	Method of Procurement
TEQIP-II/MH/MH1G05/39	Energy Management and Audit	1. Power analyzer	Large backlighting LCD displays 10 parameters simultaneously (kW, kVAR, kVA, PF plus the voltage and current of the 3 phases), Up to four current probes can be connected to the analyzer Clamp-on True RMS power measurements	1	Shopping
		2. Flue gas analyzer	Ambient temperature - 5°C...45°C short term (max.5 min.): upto 80°C by radiated heat (e.g. heat radiation from a hot exhaust channel), ambient pressure – 600 ..1100 mbar (abs.), ambient humidity – 5...95%rF, storage and transport temperature – -20to 50°C	1	
		3. Ultrasonic water Flow meter	DSP Measurement Technique, Reynolds Number Correction, Easy to Install, Simple to Follow Programming Menu, Clamp-on Sensors, Flow Range – 0.1m/sec to 20m/sec bi-directional, Display – 64 x 240 pixels graphic display	1	
		4. Infrared thermometer	Measuring system -Wide band radiation thermometer, Temperature range -30 to 900°C, Detector Spectral range-7.5µm cut, Target size- ø30/1000mm, Accuracy rating-±1% of reading or ± 2°C, whichever is larger ±3°C for -30 to 0°C ±5°C under -30°C,	1	

	5. Fuel efficiency monitor	Self Supervisory Diagnosis : Continuously checks the status of: 1) Battery Voltage 2) Sample Flow 3) Oxygen Sensor , Sturdy stainless steel sampling probe with extension tubing for ease of measurement.,	1	
	6. Fyrite	Display: multi-parameter LCD, Fuels: natural gas, propane, oil #2, kerosene, Calculation range, Combustion efficiency: 0.1 to 99.9% (0.1% resolution), Excess air: 0.1 to 400% (0.1% resolution), CO2: fuel dependent, CO air free†: 0 to 9999 ppm (1 ppm resolution)	1	
	7. Contact thermometer	Contact thermometer-up to 200° c	1	
	8. Pitot tube and manometer	“s” type, “L” type, Straight type, Double tipped type, Made from S.S. or Brass and accuracy +-2%	1	
	9. Tachometer	To measure: - rpm, rps, m, ft or yds per minute or second, - length or revolution counting, or - time interval, Display - Inverting LCD Vertical 5 digit display, Display functions - 180° Inverting, Rotational speed range - Optical mode: 3-99,999 rpm (or equivalent in rps), Contact mode: Max. 50 000 rpm for 10 sec (or equivalent in rps),	1	
	10. Stroboscope	Low energy consuming LED light source lets the rechargeable power pack to typically operate for at least twelve hours, Bright and powerful flash gives a good target illumination at a distance, with a focused viewing area, and is ideal for outdoor use, Flash rates of up to 300 000 flashes per minute cover most high speed applications.	1	

		11. Leak detector	Sensors for following gases : LPG/PNG, Methane, Isopropyl/Ethyl Alcohol, CO (Carbon Monoxide), Hydrogen, Acetone, Toluene, Ammonia, CO2	1	
		12. Lux meter	Range 0.1 to 200,000 Lux, Precise & easy readout., High accuracy in measuring, LSI - circuit use provides high reliability & durability., Permits a wide range of light measurements., Low B attery Indication	1	