		Numbers Received
9-11-13	PV Based Renewable Energy System of following specifications	

I. Specifications for PV Module

S.N	Description	Units/Dimensions	Quantity
1	PV Module Monocrystalline	100Wp	10 Nos.
	Open circuit voltage	Voc > 43 Volts	
	System Voltage	Greater than 1000V	
	Tolerances	±8%	
2	PV Module Monocrystalline	110Wp	10 Nos
	Open circuit voltage	Voc > 43 Volts	
	System Voltage	Greater than 1000V	
	Tolerances	±8%	
3	PV Module Monocrystalline	120Wp	10 Nos.
	Open circuit voltage	Voc > 43 Volts	
	System Voltage	Greater than 1000V	
	Tolerances	±8%	

II. Specifications for Solar Cells

S.N	Description	Units/Dimensions	Quantity
1	Solar Cell	Approx 2.5Wp	36 Nos.
	Open circuit voltage	Voc > 0.62 Volts approx	
	Size	125×125mm approx	
2	Solar Cell	Approx 4Wp	36 Nos
	Open circuit voltage	Voc > 0.62 Volts approx	
	Size	156×156mm approx	

III. Battery Specifications

S.N	Description	Units/Dimensions	Quantity
1	Tubular Battery Heavy Duty	100 AH	5
2	Tubular Battery Heavy Duty	180 AH	5

IV. Cable Specifications

S.N	Description	Units/Dimensions	Quantity
1	PVC Copper Cable	4 Sq.mm 1100V	8 Coils
2	PVC Copper Cable	2.5 Sq.mm 1100V	2 Coils

V. Soldering Station Specifications

S.N	Description	Units/Dimensions	Quantity
1	Power supply	230V/50Hz	2 Nos (Each with two soldering irons and two stands)
2	Power consumption	200Watts	
3	Temperature range	Adjustable temperature range varies among tools (100°C – 450°C | 200°F – 850°F)	
4	Temperature accuracy	± 9°C (± 17°F)	
5	Temperature stability	6°C (± 10°F)	

VI. Tools Kit

S.N	Description Units/Dimensions	Quantity
1	**ADJUSTABLE SPANNERS** Finish: Ni-Cr. Plated Size: 110, 155, 255, 305, & 380 mm	2 Sets
2	**COMBINATION PLIERS** Insulated with Moulded C.A. Sleeve with Joint Cutter Sizes: 165, 185, 210 & 255 mm	2 Sets
3	**IDE CUTTING PLIERS** Moulded C. A. Sleeve Sizes: 165 & 205 mm	2 Sets
4	LONG NOSE PLIERS Insulated with Moulded C.A. Sleeve Flat and Round Nose Sizes: 165, 170, 215 & 280 mm	2 Sets
5	**VICE GRIP PLIERS** Curved Jaw & Straight Jaw Size: 250 mm	2 Sets
6	**SCREW DRIVERS** C.A. Transparent Green Handle (Tip Plain and Phillips Types) Size: 50 – 450 mm (Ins. & Non Insulated)	2 Sets
7	**TORX SCREW DRIVER** C.A. Transparent Green Handle Sizes: T5, T6, T10, T15, T20, T25, T30 & T40	2 Sets
8	**SCREW DRIVER BITS** (Bits: Hax, Phillips, Flat, Torx) (Single & Double Ended)	2 Sets
9	**SOCKET SETS** ¼ & 3/8 Hex and ½ & ¾ Hex & Bi-Hex Sq. Drive Sockets and Accessories with Heavy Duty Steel Box	2 Sets

10	**SOCKET ACCESSORIES** Ratchet Handle, Flexible Handle, T-Handle, Off set Handle, Adaptor, Extension Bars (4) Universal Joint, Sq. Coupler for ¼, 3/8, ½, ¾, & 1 Sq. Drive Skts.	2 Sets
11	**BOX SPANNERS** Single & Double Ended Heavy Duty Solid	2 Sets
12	**D.E. OPEN JAW SPANNERS** 6 to 55mm – 17 Sizes Plain & Ribbed Available in mm & inches Loose & Sets	2 Sets
13	**RING SPANNER** Sizes: 6*7 to 30*32 mm Available in mm & inches Loose & Sets	2 Sets
14	**ALLEN KEY SETS & LOOSE** Size: A) MM = 9 Pcs. Set B) Inches = 10 Pcs. Set Finish: Black & Brown Packing: Spl. Hanger, Box	2 Sets
15	MANUAL CABLE CRIMPING TOOL 1.5 SQ MM TO 16 SQ MM	2 Sets
16	HAND CABLE CUTTER	2 Sets
17	MICRO SHEAR	2 Sets
18	MULTIMETER VAR820061, VA222H – (AC/DC/Resistance/Capacitance/Inductance) Measuring Capability based on CE standard	2 Sets MTQ4070-LCR (2 Sets)
19	Percussion Hand Drilling machine (Heavy Duty) 13mm 650Watts	2 Sets

VII. PV Module Fixtures

S.N	Description Units/Dimensions	Quantity
1	Metal PV Module fixing stand to hold a PV Module of Approx 10 Kg weight, Height of Fixtures – 4 feet.	10 Nos.

VIII. Components

S.N	Description	Quantity
1	Power MOSFET – 200V, 40A @ 100°C	100 Nos
2	IGBT– 1200V, 100A	30 Nos.
3	ATmega 644, 0-20MHz	40 Nos.
4	LM358 OpAmp	50 Nos
5	LM324 OpAmp	25 Nos
6	OP213 OpAmp	25 Nos.
7	Ferrite Cores Epoxy coated Hinoday T50 toroidal core	50 Nos.
8	Ferrite Cores Hinoday EI2519	100 Nos.
9	Power Diodes PIV 1200V, 50A @ 100°C	50 Nos.
10	Schottky Diodes UC16C60	100 Nos

			Rs.	Ps.	Rs.	Ps.
11	Terminal Blocks Nominal current – 16A Nominal voltage - 250v Insulation resistance -1000 m ohm min at 500v dc Dielectric strength - > 2 kv moulded material – Polyamide 6-6 Terminal - tin / silver plated copper alloy Pitch - 7. 5 mm Wire cage - brass nickel plated Screw - brass nickel plated Wire size 0 - 2. 5 sq. Mm (max)	500 Nos.				

IX. Solar Array Simulator

S.N	Description	Quantity
1	Maximum Total Output Power 600 Watts Maximum V_{OC} = 0- 100V Approx AC Input Nominal Input Ratings: 100 VAC - 240 VAC; 50/60/400 Hz Input Range: 86 VAC - 264 VAC Maximum Input Power: 2000 VA, 2000 W Host Software and Interface: Ethernet. USB 2.0 and GPIB	1 Nos

			1424450	–	1424450	–
	VAT @ 5%		71223		71223	–
	Total				1495673	–

LabTech Electronics Pvt Ltd, 1/3, Periyanichamy, Perur, Kundrathur Main Road Chennai - 602122.	TEQIP II/2012/ TN21G03/ NCB/9.	TEQIP Equipment lab.

VID: 40/244

TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME OF GOVERNMENT OF INDIA (TEQIP)

FIXED ASSET

REGISTER

Annex X

4

Asset Group : Non Consumable

S.No.	Date of Purchase	Bill No. Date	Supplier's Name	Details of Asset.	Type and Make	Quantity	Amount Rs. P.	Location	Identification	Date of Physical Verification	Signature	Remarks
1.	11-10-06	11-10-06	Six Vell Power Systems	Solar Street Light Systems	LEE	✓ 10	2,83,100 –	In and around Electrical dept PEE	TEQIP/EEE/ 2006-07/P4/ 1/10, 2/10, 3/10 4/10, 5/10, 6/10 7/10, 8/10 9/10, 10/10	6/7/07 6/7/07		

10.11.06