SINDH TECHNICAL EDUCATION & VOCATIONAL TRAINING AUTHORITY

Consignee: Goverenment College of Technology, Hyderabad "Rate inculding all Taxes and Free Delivery at Consignee End"

Tender No: 14 (Electrical Technology)

Tender No: 14 (Electrical Technology) Package No.01 (Wiring Lab) Estimated Cost: 0.		
S. #	Description of Equipment	Quanity
1	2	3
1	Student Tool Box Kit (China) or equivalent	2 Nos.
	Screw driver small 2" & 4"	
	Screw driver medium 6" Plastic handle.	
	Screw driver heavy duty 10" plastic handle	
	Combination pliers insulated 6"	
	Flat nose pliers 4"	
	Long nose pliers 4"	
	Round nose pliers 4"	
	Cutter pliers 4"	
	Soldering iron 45/100 Watts.	
	Mallet wooden	
	Ball pen hammer 1/8 Kg.	
	Hand drill Machine 1/2" capacity	
	Twist drill bit set of 6 drill.	
	Measuring Tape 3 meter	
	Bastered File 10 inch.	
	Rough File round 10 inch	
	Concrete Drill ¼, 3/8, (6 each)	
	Chisels for concrete work flat	
	6,8,10 inch (6 each)	
	Chisels for concrete work round	
	Pocker 6"	
	Hand saw 16"	
	Hack Saw 12"	
2	Electrical hand Drill Machine ³ / ₄ " (Local) or equivalent	1 No.
	double speed	
3	Soldering gun 220 V, 100/45 watts (Local) or equivalent	3 Nos.
4	Pipe die portable with stand (Local) or equivalent	1 No.
5	Pipe die set with adjustable die holder (Local) or equivalent	2 Nos.
6	Bearing Puller 6",8",10" inch (1 each) (Japan) or equivalent	1 No.
	Philips screw driver (set of 6) (Local) or equivalent	3 Nos.
	Volts meter A.C (Range300, 500V) (Local) or equivalent	3 Nos.
	A.C. Ammeter moving Iron type (Local) or equivalent	3 Nos.
	range 0-1-0-2-0-5 & 10 Amps.(Local) or equivalent	
12	Watt meter single phase (10)	1 No.
	Amps, , 240 Volts) ±0.5% (Local) or equivalent	
13	Watt meter single phase (20) (Local) or equivalent	1 No.

S. #	Description of Equipment	Quanity
1	2	3
	Amps, 240 Volts)±0.5% Multi	
	Range	
14	Clamp on meter (Hiek)3120 Test (Local) or equivalent	1 No.
	0-500 A.V.O	
15	Wiring wooden boards 4' 2' 30mm (Local) or equivalent	2 Nos.
	Partal wood.	
16	Wiring Cabinet (6'* 8'* 3'ft) Partal	1 No.
	wood (Local) or equivalent	
17	Multi meter "Sanwa" (Local) or equivalent	1 No.

Package No.02 (Electrical & In	nstrument Lab)
A "	

Estimated Cost: 0.358 M

S. #	Description	Quantity
1	2	3
1	Galvanometer Max.sensivity 0.9 uA/	1 No.
	division 540 uV/division	
	response time 1.95, internal resistance	
	450 ohms	
	With manual instructions. (China) or equivalent	
2	Temperature Recorder with circular	1 No.
	chart (Humidity /Dew point) Two pens.	
	30 C to 70 C circular charts, 7 days	
	chart. Accuracy +- 1.5% Relative	
	humidity 0 to 100% Dew range 32 to	
	120 F chart drive 220V/50Hz.	
_	With manual instructions. (UK/USA) or equivalent	
3	PH meter (portable) range 0 to 14 pH	1 No.
	,0 to 70 C pH,accuracy 0.01 pH. With	
	manual instructions. Transcat make or equivalent	
4	Automatic stabilizer servo type 220	1 No.
	V,1000W with 20% voltage	
	regulations. With manual instructions.	
5	(Local) or equivalent	1 No.
5	Power factor meter (Cos φ),model-MX98,range 1 to .4(inductive	TINO.
	and capacitive),voltage	
	100-220-380-500 with a current of	
	10A.With manual instructions. (UK) or equivalent	
6	Paperless Recorder, TRANSCAT	01 set.
Ŭ	make. Model-data chart	01 301.
	5000/TDDCS-600-M-IST-1-0-1-1,	
	Vibrographic 6 channel	
	recorder, 6 to 12 direct Universal	
	inputs plus math channels; DC	
	Voltage, current ,Thermocouple	
	and RTDs.and	
	asccccsories.With manual	
	instructions. (China) or equivalent	

S. #	Description	Quantity
1	2	3
7	Air blower, 220 Volts/50Hz., 1000W.	1 No.
	With manual instructions. (China) or equivalent	
8	Portable digital Transistor Tester, in	1 No.
	tone, for PNP,NPN,FETSCR,N- & P	
	Channels checker, battery operated,	
	with probs. With manual . (Taiwan) or equivalent	
9	Digital vernier caliper -16E, measuring	1 No.
	range- 0-150 mm, resolution 0,01 mm,	
	accuracy 0.03 mm Max.measuring	
	speed +- 1,5 ms. (Taiwan) or equivalent	
10	Universal measuring machine with	1 No.
	digital read-out	
	Range- 0 to 500 mm, resolution 0.1	
	um, accuracy of scale +-0,2 (Taiwan) or equivalent	
11	Decade resistance box range – 7	1 No.
	decade 11.1111 ohms to 11.11111	
	mega ohms. accuracy	
	0.01%, (Taiwan) or equivalent	
12	Decade capacitance box , 7 ranges	1 No.
	from 1pf to 10uf +-5%. (Taiwan) or equivalent	
13	Digital earth/Insulation Tester,range-0	1 No.
	to 399.9 V, 50Hz.with probs. With	
	manual instructions, (China) or equivalent	

Package No.03 (Power & Machines Lab)

Estimated Cost: 0.235 M

Fach	age No.03 (Power & Machines Lab)	Estimated Cost: 0.235 M
S. #	Description	Quantity
1	2	3
1	Set of Connection Cables. (Local) or equivalent	1 No.
2	Electromagnetic eddy-current brake	1 No.
	for direct tests on motor up to 2 KW.	
	(EV.Italy) or equivalent	
3	Ammeter Ampo Electric 0.5 EE.01	1 No.
	(Denmark) or equivalent)	
4	Ammeter AC Different Rang Bench	1 No.
	Type 4 Rang in One, (Japan) or equivalent	
5	Ammeter DC Different Rang Bench	1 No.
	Type 3 Rang in One (Japan) or equivalent	
6	Clamp on Meter. (Japan / Taiwan) or equivalent	1 No.
7	Machine Tool Kit (China) or equivalent	1 No.
	- Screw Drive 4". 6", 10"	
	- Screw Drive 4". 6", 10"	
	- Combination Piller 8"	
	- Cutter Piller 4"	

S. #	Description	Quantity
1	2	3
	- Longnose 4"	
	- Soldering Iron 100 w	
	- Mallet Wooden	
	- Ball Peom Hammer ½ kg	
	- Claw Hammer 1/8 kg	
	- Bearing Pull 3 Jaws 8"	
	- Soldering Sukkur	
	- Measure	
	- Phase Tester	
	- Double end Spanner set 6-22	
	- Ring Spanner set 6-22	
	- Adjustable Screw wages 6", 8", 12"	
	- Box Spanner Set ELLORA	
	- Combination Spanner Set	
	- L-N Key set 6-22	
8	Winding (Local) or equivalent	1 No.
	Manual Coil Window	
	Arc welder to weld electrical	
	Machine Coil	
	Transformer Construction, bench 3mm,	
	5mm, 15mm Coil Window	
	Motor & Transformer Test bench	
	Dielectric Strength & Insulation test	
	equipment	
	Electro Magnetic Eddy Current Brake	
	Digital Multi Meter	
	Digital Taco Meter	
	3-Phase induction machine kit	
	Transformer Construction kit	
	Assembly Motor kit	
9	Battery charger: 230 Volts AC 50 single	1 No.
	phase capable of charging 6,12 volt	
	batteries output for fast charging 12-V	
	batteries 160 Amp, built in polarity	
	protection, protect by automatic reset	
	circuit braker, cooling fair rectifier, and	
	transformer.(Japan) or equivalent	<i>.</i>
10	Cell tester for checking 6 & 12 V	1 No.
	batteries. (England) or equivalent	
11	Battery high discharge tester for 6 & 12	1 No.
	volts batteries. (England) or equivalent	
12	state. Plastic case unbreakable.(England) or equivalent.	
13	Battery cut away model for demonstration.	4 . N.
	(England) or equivalent	1 No.
	Note: Makes & Model of Equipment do not prevent from quoting	
	equipment made of any other Company in eligible Countries	
	havding nearest Specification, Standard and Performance to the	
	demanded description.	