GOVERNMENT OF NAGALAND OFFICE OF THE PRINCIPAL, GOVERNMENT INDUSTRIAL TRAINING INSTITUTE KOHIMA, NAGALAND

NO. GITI/KMA/STRIVE-ELEC/2023/291

ALAND
Dated Kohima the December 2023.

To,

Subject: Request for Quotations - Supply of tools & equipments for "Electrician Trade" under STRIVE Project (RA-I)

Dear Madam/Sir,

With reference to the subject cited above, you are hereby invited to submit your most competitive quotation in a sealed envelope for the tools & equipment to be procured for the "Electrician Trade" which is part of the STRIVE project (RA-I) as detailed in the enclosed Annexure.

Terms of Reference:

1. Validity of registration:

a) The bidder should be registered with and holding the identity card of the All Nagaland Contractors & Supplier Union (NCSU). A copy of the NCSU registration and identity card should be submitted along with the quotation.

2. Bid Price:

- a) All duties, taxes, and other levies applicable including transportation, installation and commissioning to machinery, equipment, tools, raw materials, and components shall be included in the total price.
- b) GST related to the sale shall be shown separately.
- c) The price should be quoted for delivery at the Office of the Principal, Government Industrial Training Institute, Kohima Nagaland
- d) The bidder's rates should remain fixed for the contract's duration and shall not be subject to adjustment.
- e) Prices should be quoted in Indian Rupees only.
- **3.** The brand/name of the manufacturer should be clearly indicated for each item.
- **4.** Each Bidder is allowed to submit only one quotation.
- **5.** Selected bidder shall have to furnish a security deposit amounting to 2% of the total contract value in the form of D.A.C valid up to January, 2025 in favour of the Directorate of Employment, Skill Development & Entrepreneurship, Nagaland, Kohima.

6. Validity of Quotation:

The quotation's validity should not be less than 60 days after the specified deadline for submission.

7. Evaluation of Quotations:

The Purchaser will evaluate and compare substantially responsive quotations that:

- a) Are properly signed and adhere to the terms, conditions, and specifications.
- b) Quotations will be evaluated collectively for all items.
- c) GST related to the sale of goods will not be considered in the evaluation.

8. Award of Contract:

- a) The contract will be awarded to the bidder with the substantially responsive quotation offering the lowest evaluated price.
- b) The Purchaser reserves the right to accept or reject any quotations and cancel the bidding process at any time before the contract award without prior notice.
- c) The invitation does not bind the purchaser to place purchase order to all the items indicated in the Annexure.
- d) The purchaser reserves the right place order for any of the item and in any quantities from the items.

9. Commercial Warranty/Guarantee:

Normal commercial warranty/guarantee shall be applicable to the supplied goods.

- **10.** You are requested to provide your offer latest by 12:00 hours on 4th January, 2024.
- **11.** The quotation shall be opened in 5^{th} January, 2024 at 11:00 AM and the bidders should be present on the day
- **12.** We look forward to receiving your quotations and thank you for your interest.

(Purchaser)

Name: Shri. ENCHIBA LONGKUMER

Address: Principal

Govt. Industrial Training Institute

Kohima – 797001, Nagaland

Tel. No.

+919612374813

Email: itikma@rediffmail.com

List of tools and equipment

Place of Delivery: Govt. Industrial Training Institute Kohima Nagaland

Trade: Electrician

ELECTRICIAN

SI.	Item Name	Specification	Quantity	Unit	
No.		A LIST OF FOLUDATINE			
A. LIST OF EQUIPMENT					
1	Ohm Meter	Series type, Portable Box type.Range : 0- 2000 Ohms Portable Box (Plastic Case) type	2	nos	
2	Ohm Meter	Shunt type, Portable Box type. Portable Box (Plastic Case) typeRange : 0- 50 Ohms	2	nos	
3	A.C. Voltmeter M.I	Analog, portable box type Multirange Range: 0-75/150/300/600 Volts AC Portable Box (Plastic Case) type Accuracy: +/- 1.0%	2	nos	
4	Ammeter MC	Analog, Range : 0-500 mA DC Portable Box (Plastic Case) type Accuracy : +/- 1.0%	2	nos	
5	Ammeter MC	Analog, Range : 0-5 Amps DC Portable Box (Plastic Case) type Accuracy : +/- 1.0%	2	nos	
6	Ammeter MC	Analog Range : 0-25 Amps DC Portable Box (Plastic Case) type Accuracy : +/- 1.0%	2	nos	
7	AC Ammeter MI	Analog Range : 0-1 Amps AC Portable Box (Plastic Case) type Accuracy : +/- 1.0%	2	nos	
8	AC Ammeter MI	Analog Range : 0-25 Amps AC Portable Box (Plastic Case) type Accuracy : +/- 1.0%	2	nos	
9	AC Ammeter MI	Analog Range : 0-25 Amps AC Portable Box (Plastic Case) type Accuracy : +/- 1.0%	2	nos	
10	Kilo Wattmeter	analog 0-1.5 -3KW, pressure coil rating- 240v / 440v, Range : 0-1.5/3 KW (5/10A, 240/440V) Portable Box (Plastic Case) type Accuracy : +/- 1.0%	2	nos	
11	Digital wattmeter	230V, 1KW, 50Hz Portable Digital Metere Sutaria/Veritek Make Digital 96Sq. meter mounted on Bakelite panel and fitted in Wooden case, Meter provided with insulated terminals and Mains Cord.	2	nos	
12	A.C. Energy Meter	Single Phase, 10 A, 240 V Digital type	2	nos	

13	Power Factor Meter	Digital,440V,20A,3 phase portable box type Portable Digital Power Factor Meter. (Wooden Case) Range: 20A. 440V, 3 Phase with CT 20/5A Sutaria/Veritek/Nippen Make Digital 96Sq. meter mounted on bakelite panel and fitted in Wooden case, Meter provided with Mains Cord	2	nos	
14	Tong Tester / Clamp Meter	0 - 100 A (Digital Type)	2	nos	
15	3- point D.C. Starter	for 2.5KW DC Motor	2	nos	
16	Rotary Switch	16 A/440v	2	nos	
17	Relay - set of 4				
	a. Cut out Relays	16A, 440V	2	nos	
	b. Reverse current	16A, 440V	2	nos	
	c. Over current	16A, 440V	2	nos	
	d. Under voltage	360V-440V	2	nos	
18	Rheostat	0- 25 Ohm, 2 Amp	1	nos	
	Rheostat	0- 300 Ohm, 2 Amp	1	nos	
	Rheostat	0 -1 Ohm, 10 Amp	1	nos	
	Rheostat	0 -10 Ohm, Amp	1	nos	
19	A.C. Energy Meter	Three Phase, 15 A , 440 V Digital type	2	nos	
20	Power Factor Meter	Digital,440V,20A,3 phase portable box type Portable Digital Power Factor Meter. (Wooden Case) Range: 20A. 440V, 3 Phase with CT 20/5A Sutaria/Veritek/Nippen Make Digital 96Sq. meter mounted on bakelite panel and fitted in Wooden case, Meter provided with Mains Cord	2	nos	
21	Oil Testing Kit	230 V, single phase 50 Hz 60 VA output 0-60 KV Variable	1	nos	
22	Inverter with Battery	1 KVA with 12 V Battery Input- 12 volt DC, Output- 220 volt AC	1	nos	
23	Phase Sequence Indicator	3 Phase, 415 V – Portable type – Wooden Case	2	nos	
	B. SHOP MACHINERY				

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24	DC compound Motor with starter and switch	SALIENT FEATURES • Each of following independent Applied PE trainer may need a few set of associated panels (4 nos. typically) which are mounted in a light weight sturdy aluminum flat demo panel system. • Facilitates easy and safe wiring by students due to 4mm sturdy shrouded banana patch cords and shrouded socket arrangement for high voltage circuits. • Each panel has ABS molded plastic sturdy enclosure, and colorful screwless overlays showing circuit diagram & its connection tag numbers for easy understanding and connections. • Set of Instructor Guide & Student Workbook. Technical Specifications 1] Instrumentation Power supply cum Multi- channel DPM panel (a) DC Multi Output power supply (b) Supplies DC power to neighboring signal conditioning circuit panels through 20 pin FRC cable. c) Provides 1 Ph. AC supply through 3 MCB's, 4A each to power up other panels in the rack. 2] SCR Actuator (variable DC) cum sensor signal conditioning panel 1. Full bridge SCR based OV-195V / 12 Amp cosine firing with linear characteristics. 2. Supports signal conditioning circuit for speed to give output 0-2.5Vdc (FS). 3. 2 Nos. of these supplies required for DC Armature & DC motor field. 3] DC voltmeter and DC ammeter panel a) DC voltmeter (0-300V) b) DC Ammeter (0-5A) with polarity protection diode with circuit breaker c) Field failure relay to control Armature supply. 4] DC voltmeter and DC ammeter panel a) DC voltmeter (0-300V) b) DC Ammeter (0-20A) with polarity protection diode c) 12A Circuit Breaker 5] 1 Phase AC input Panel (a) 1 phase MCBs of 20A/AA 1 each	1	nos
		(a) 1 phase MCBs of 20A/4A 1 each		
		(b) Lamp Load		ļ

		220V/2.5KW/1500 rpm with Series, Shunt & Compound windings, spring balance Loading Arrangement [25 Kg.] & Electronics Tacho :1V/1000 rpm. List of Experiments 1. Open loop torque speed characteristics.		
25	DC Series Motor coupled with mechanical load	DC Series Motor coupled with mechanical load SALIENT FEATURES • Each of following independent Applied PE trainer may need a few set of associated panels (4 nos. typically) which are mounted in a light weight sturdy aluminum flat demo panel system. • Facilitates easy and safe wiring by students due to 4mm sturdy shrouded banana patch cords and shrouded socket arrangement for high voltage circuits. • Each panel has ABS molded plastic sturdy enclosure, and colorful screwless overlays showing circuit diagram & its connection tag numbers for easy understanding and connections. • Set of Instructor Guide & Student Workbook. Technical Specifications 1] Instrumentation Power supply cum Multi- channel DPM panel (a) DC Multi Output power supply (b) Supplies DC power to neighboring signal conditioning circuit panels through 20 pin FRC cable. c) Provides 1 Ph. AC supply through 3 MCB's, 4A each to power up other panels in the rack. 2] SCR Actuator (variable DC) cum sensor signal conditioning panel 1. Full bridge SCR based OV-195V / 12 Amp cosine firing with linear characteristics. 2. Supports signal conditioning circuit for speed to give output 0-2.5Vdc (FS). 3. 2 Nos. of these supplies required for DC Armature & DC motor field. 3] DC voltmeter and DC ammeter panel a) DC voltmeter (0-300V) b) DC Ammeter (0-5A) with polarity	1	nos

		protection diode with circuit breaker c) Field failure relay to control Armature supply. 4] DC voltmeter and DC ammeter panel a) DC voltmeter (0-300V) b) DC Ammeter (0-20A) with polarity protection diode c) 12A Circuit Breaker 5] 1 Phase AC input Panel (a) 1 phase MCBs of 20A/4A 1 each (b) Lamp Load Motor Specifications 220V/2.5KW/1500 rpm with Series, Shunt & Compound windings ,spring balance Loading Arrangement [25 Kg.] & Electronics Tacho:1V/1000 rpm. List of Experiments 1. Open loop torque speed characteristics.		
26	Single phase Transformer,	core type, air cooled	1	nos
27	Three phase transformer,	shell type oil cooled with Delta/ Star	1	nos
28	DC Shunt Motor		1	nos
29	Universal Motor with starter/switch		1	nos
30	Electrical Machine Trainer	A. DC Integrated machine 1 No. B. 1 Phase Synchronous m/c - 1 No. C. Salient Pole alternators:- 3 Phase - 1No. Voltage: 415VAC, 50Hz	2	nos
31	A.C. Series type Motorwith mechanical load.		1	nos
32	Single Phase Capacitor Motor with starter/switch.		1	nos