



GOVERNMENT OF MIZORAM
OFFICE OF THE SUPERINTENDING ENGINEER, PHED,
AIZAWL WATSAN CIRCLE
AIZAWL : MIZORAM



No. W-12011/4/2025/V-SE/PHE/64

:

Dated Aizawl, the 6th February, 2026.

NOTICE INVITING QUOTATION NO – I OF 2025 – 2026

In accordance with the Engineer-in-Chief, Public Health Engineering Department Letter No. M-11011/35/2021-E-in-C/PHE/Part/163 dated 14th January, 2026, sealed Quotations are hereby invited on behalf of Public Health Engineering Department, Mizoram by the undersigned from capable, reliable, and reputed firms for fixing the supply rates of the materials as detailed in Annexure-I and Annexure-II, which are required for procurement in connection with operation and maintenance of 132/33 kV Substation at Dihmunzawl, Aizawl. The Quotations will be received in the office of the undersigned up to 1:00pm of 24th February, 2026 (Tuesday) and will be opened on the same day at 2:00pm with or without the presence of the Quotationers or their authorised representative. Quotations forms may be obtained from the office of the undersigned during office working hours and the quotation forms may be downloaded from PHED website @ phed.mizoram.gov.in.

TERMS AND CONDITIONS

1. The rate shall be quoted in figures and in words, inclusive of GST and all other taxes, as well as loading, unloading and transportation charges up to 132/33 kV at Dihmunzawl Substation, Aizawl.
2. Materials shall conform to the relevant IS (BIS) Specification in force.
3. The quoted rates should remain valid for a period of twelve (12) months from the date of opening of the quotations.
4. Quotations received after the stipulated date and time will not be considered.
5. Quotations shall be addressed to "The Superintending Engineer, Public Health Engineering Department, Aizawl WATSAN Circle, Aizawl – 796001". The Quotation No. and Date must be clearly inscribed on the top of the sealed envelope.
6. The Quotation shall be submitted in the format prescribed in Annexure-I and Annexure-II.
7. The Quotation shall be accompanied by a valid GST Registration Certificate.

Enclo: As stated

Sd/-

(LALRINZUALA RALTE)

Superintending Engineer, PHED

Memo No.W-12011/4/2025/V-SE/PHE/64 'A'

:

Dated Aizawl the 6th February, 2026.

Copy to:-

1. The Engineer-in-Chief, PHED, Mizoram, Aizawl for favour of kind information.
2. The Chief Engineer, PHED, Aizawl, Mizoram for favour of kind information.
3. The Director, I&PR, Aizawl with a request to publish the notice inviting quotation in two (2) leading daily local newspapers on three (3) consecutive issues (Copy of notice is enclosed).
4. The Executive Engineer, PHED, Aizawl Water Transmission Division, Aizawl for information.
5. System Analyst, PHED for display on the Department website.
6. Notice Board.

Superintending Engineer, PHED

ANNEXURE - I

QUOTATION NO - 01 of 2025 - 2026

(For procurement of Tools & Plants required at 132/33 kV Substation, Dihmunzawl, Aizawl)

Sl No.	Equipments	Specifications	Unit	Qty.	Rate (₹.)	Amount (₹.)
1	CORDED HAND DRILL	13mm, 850W, 2800 RPM	No	1		
2	ANGLE GRINDER	850W, 100mm	No	1		
3	EARTH RESISTANCE TESTER	DUOYI DY 1200, 0.01 Ohm - 1000 Ohm	No	1		
4	MEGGER - DIGITAL	500V-10KV	No	1		
5	MEGGER ANALOG MOTORISED & HAND OPERATED	10 KV (Waco make)	No	1		
6	PRIMARY CURRENT INJECTION KIT	1000Amp, 220 Volt	No	1		
7	SECONDARY CURRENT INJECTION KIT (RELAY TESTING KIT) 3 PHASE, LN	SVERKER 900	No	1		
8	DIGITAL MULTIMETER	FLUKE 179	No	1		
9	CLAMP LEAKER	AC & DC. FLUKE 369 FC	No	1		
10	TONG TESTER	FLUKE 376 FC 2500Amp	No	1		
11	CURRENT TRANSFORMER, POTENCIAL TRANSFORMER ANALYSER	GF 106T PORTABLE, CURRENT TRANSFORMER, POTENTIAL TRANSFORMER ANALYSER	No	1		
12	TAN DELTA TEST KIT (OMICRON - CP TD 12)	OTS-EW-188up AUTOMATED DIELECTRIC CONSTANT TAN DELTA AND RESISTIVITY SET	No	1		
13	CHAIN PULLEY BLOCK	3 TON, 6mtr LIFT	No	1		
14	PLIER TAPARIA	Make Taparia	No	1		
15	LONG NOSE PLIER TAPARIA	Make Taparia	No	1		
16	COMEALONG CLAMP	(A) ASCR PANTHER CONDUCTOR (B) ASCR RACCOON CONDUCTOR	No	1		
17	DIAL WRENCH SET	(6-32 mm)	No	1		
18	SOCKET WRENCH (SOCKET SET)	6-32 mm	No	1		
19	ALLEN KEY	Inches & mm	No	1		

20	HAMMER	1KG	No	1		
21	TESTER SET TAPARIA	Make Taparia	No	1		
22	WIRE STRIPPER	Make Taparia	No	1		
23	ADJUSTABLE WRENCH	6 inch, 12inch, 18 inch, 24 inch	No	1		
24	SAFETY BELT & HELMET		No	1		
25	PU ELECTRICAL GLOVE	11kV/ 33kV/ 132 kV	No	1		
26	ALUMINIUM LADDER	20 fit, HEAVY DUTY	No	1		
27	OPEN - TYPE - SINGLE SHEAVE PULLEY	3 TON	No	1		
28	DISCHARGE EARTHING ROD	Make Metravi/ Meco/ Equivalent	No	1		
29	INFRARED CAMERA FOR SUBSTATION EQUIPMENTS (THERMAL IMAGING CAMERA)	Fluke FLK-Ti480/ FLIR/Equivalent	No	1		

QUOTATION NO - 01 OF 2025 - 2026

(For procurement of Spare Parts required at 132/33 kV Substation, Dihmunzawl, Aizawl)

SI No.	Items with Specifications	Unit	Qnty.	Rate (₹.)	Amount (₹.)
1	DIGITAL AMMETER - CT Ratio : 100-200/1A, Class : 0.5, Size : 144 Sqmm, Auxiliary Voltage : 110VDC	No	1		
2	DIGITAL AMMETER - CT Ratio : 200-400/1A , Class : 0.5, Size : 144 Sqmm, Auxiliary Voltage : 110VDC	No	1		
3	DIGITAL VOLTMETER - PT Ratio : 132kV/ $\sqrt{3}$ - 110V/ $\sqrt{3}$, Class : 0.5, Size : 144 Sqmm, Auxiliary Voltage : 110VDC	No	1		
4	DIGITAL VOLTMETER - PT Ratio : 33 kV/ $\sqrt{3}$ - 110V/ $\sqrt{3}$, Class : 0.5, Size : 144 Sqmm, Auxiliary Voltage : 110VDC	No	1		
5	DIGITAL MEGA WATT METER - Ct Ratio : 100-200/1A, PT Ratio : 132kV/ $\sqrt{3}$ – 110V/ $\sqrt{3}$, Class : 0.5, Size : 144 Sqmm, Auxiliary Voltage : 110VDC	No	1		
6	DIGITAL MEGA VOLT AMPERE METER - CT Ratio : 100-200/1A, PT Ratio : 132kV/ $\sqrt{3}$ – 110V/ $\sqrt{3}$, Class : 0.5, Size : 144 Sqmm, Auxiliary Voltage : 110VDC	No	1		
7	Breaker Control Switch 3 Pos. ,8+4(LMD) Ways, Spring return to neutral with LMD & Sequential Lockable Pistol Grip Handle (Non-Lockable) Posn. : Trip· Neutral - Close (4 in Trip, 2 in Close, 2 in Neutral, 2 In After Close,2 In After Trip)	No	1		
8	Isolator Control Switch 3 Position, Close-Neutral-Open	No	1		
9	Indication Lamp for Close condition 220V AC, Aux Supply : 110V DC Colour: Red, Green, Blue, Amber, White	No	1		

10	Numerical Transformer Differential Relay (Intended for Device Number : 87T) For replacement of ERL Make, Type : T-PRO, With IEC61850 Station Communication Protocol. Aux. Supply : 110V DC CT Sec : 1A, PT Sec : 110V AC (Ph-Ph) The relay shall be utilised for system voltage 132kV. The relay shall have various facilities such as communication to external computer, SCADA system (with necessary network interfaces), transient recording functions, fault diagnostic of relay, time tagging, time synchronization with external clock, trip circuit supervision, multi level password etc. and the PSL in the relay software shall be such that it can be edited. Graphical or alphanumeric LCD display for status, fault, and event data. Relay must support internal health monitoring and event logging. Relays must be compliant with latest IS/IEC standards applicable to numerical protection relays for EHV and HV systems.	No	1		
----	--	----	---	--	--

11	Numerical Multifunction Protection Relay of reputed make, suitable for protection and monitoring of systems operating at 132 kV and 33 kV voltage levels. The relay shall be suitable for replacement of existing ERL Make Relays (Types: F-PRO, ARGUS, MJT) and shall support the following integrated protection functions: Required Protection and Monitoring Functions: - Overcurrent Protection (Device Numbers 50/51) - Directional/Non-Directional Overcurrent and Earth Fault Protection (Device Number 67) - Restricted Earth Fault Protection (Device Number 64R) - Under Voltage Protection (Device Number 27) - Under Frequency Protection (Device Number 81) - Over Voltage Protection - Phase unbalance Protection - Thermal overload - Breaker failure - Circuit breaker condition monitoring - Supervision - Negative sequence General Technical Requirements: Auxiliary Supply Voltage: 110V DC CT Secondary: 1A PT Secondary (where applicable): 110V AC (Ph-Ph) Relay Case Size: Compatible with E6 or equivalent. The relay shall have various facilities such as communication to external computer, SCADA system (with necessary network interfaces), transient recording functions, fault diagnostic of relay, time tagging, time synchronization with external clock, trip circuit supervision, multi level password etc. and the PSL in the relay software shall be such that it can be edited. Graphical or alphanumeric LCD display for status, fault, and event data. Relay must support internal health monitoring and event logging. Relays must be compliant with latest IS/IEC standards applicable to numerical protection relays for EHV and HV systems.	No	1		
----	--	----	---	--	--

12	Numerical Multifunction Protection Relay of reputed make, suitable for protection and monitoring of systems operating at 132 kV and 33 kV voltage levels. The relay shall be suitable for replacement of existing ERL Make Relays (Types: F-PRO, ARGUS, MJT) and shall support the following integrated protection functions: Required Protection and Monitoring Functions: - Overcurrent Protection (Device Numbers 50/51) - Directional/Non-Directional Overcurrent and Earth Fault Protection (Device Number 67) - Restricted Earth Fault Protection (Device Number 64R) - Under Voltage Protection (Device Number 27) - Under Frequency Protection (Device Number 81) - Over Voltage Protection - Phase unbalance Protection - Thermal overload - Breaker failure - Circuit breaker condition monitoring - Supervision - Negative sequence General Technical Requirements: Auxiliary Supply Voltage: 110V DC CT Secondary: 1A PT Secondary (where applicable): 110V AC (Ph-Ph) Relay Case Size: Compatible with E7 or equivalent The relay shall have various facilities such as communication to external computer, SCADA system (with necessary network interfaces), transient recording functions, fault diagnostic of relay, time tagging, time synchronization with external clock, trip circuit supervision, multi level password etc. and the PSL in the relay software shall be such that it can be edited. Graphical or alphanumeric LCD display for status, fault, and event data. Relay must support internal health monitoring and event logging. Relays must be compliant with latest IS/IEC standards applicable to numerical protection relays for EHV and HV systems.	No	1		
13	Auxiliary Relay for Transformer Intended for Device Number 30AB, 30CD, 30EF, 30GH For replacement of ERL Make, Type : AR111X2, Case Size : E4 Aux. Supply: 110V DC/110V DC, CONTACTS : 4M0B/4M0B, HR Flag The relay shall be utilised for system voltage 132 kV	No	1		

14	DC Supervision & DC Fail Accept Relay Intended for Device Number : 80AB For replacement of ERL Make, Type : AR121T3/AR101, Case Size : E4. Aux. Supply : 110V DC/ 240V AC Contacts : 0M4B/2M2B, SR The relay shall be utilised for system voltage 132 kV and 33 kV	No	1		
15	Trip Circuit Supervision Relay Intended for Device Number : 195, 295 For replacement of ERL Make, Type : XR351, Case Size : E4 Aux. Supply : 110V DC, Contacts : 2M2B SR, HR REV. FLAG The relay shall be utilised for system voltage 132 kV and 33 kV	No	1		
16	Interposing Voltage Transformer (Mounted Inside) Intended for Device Number : IVT-1, IVT-2, IVT-3 Class of Accuracy : 3P Burden : 15VA Ratio : 110-63.5V/110-63.5V (Dual Tap) The relay shall be utilised for system voltage 132 kV and 110V DCDB	No	1		
17	132 kV Transformer Conservator oil Metering Gauge Intended for 12.5 MVA, 132/33 kV Outdoor Power Transformer	No	1		
18	132 kV Transformer Conservator Magnetic Oil Level Gauge Intended for 12.5 MVA, 132/33 kV Outdoor Power Transformer	No	1		
19	132 kV Transformer Conservator OTI Oil Temperature Indicator Intended for 12.5 MVA, 132/33 kV Outdoor Power Transformer	No	1		
20	132 kV Transformer Buchholz Relay Intended for 12.5 MVA, 132/33 kV Outdoor Power Transformer	No	1		
21	100 A DCDP 10 KA Thermal Magnetic MCCB With O/L,S/C Release & Rhom with Shunt Trip Coil-110V DC & 1 C/O Aux Contact for 110V DCDB	No	1		
22	DC Analog Voltmeter, Range: 0-300 V DC, CL-1, SIF-96 x 96 sqmm for 110V DCDB.	No	1		
23	DC Analog Ammeter, Range: 0-100v DC , CL-1, SIF - 96x96 sqmm for 110V DCDB.	No	1		
24	0-30 mA DC Earth Leakage Meter, CL-1, SIF-96x96 sqmm for 110V DCDB.	No	1		
25	Auxiliary Contactor With 2NO+2NC Aux. Contact Coil Volt-110V DC for 110V DCDB.	No	1		
26	630A 4P, 50kA EDO Thermo Magnetic ACB With O/L, S/C, Release & U/V Coil- 415V & SPG, Motor, Closing Coil, S/T-230v AC & Common Fault Indication Microswitch (C Power) for 415 V AC Main Switchboard.	No	1		
27	Analog Voltmeter, Range: 0-500 V AC, CL-1, SIF- 96x96 Sq.mm for 415 V AC Main Switchboard.	No	1		

28	10A Voltmeter Selector Switch for 415 V AC Main Switchboard.	No	1		
29	Analog Ammeter, Range: 0-400 A, CTR - 400/1A, CL-1, SIF- 96x96 Sq.mm for 415 V AC Main Switchboard.	No	1		
30	10A Ammeter Selector Switch for 415 V AC Main Switchboard.	No	1		
31	25 A, DP, TNC Switch for 415 V AC Main Switchboard.	No	1		
32	Numerical Type 3 O/C & 1E/F Relay with High Set (51 & 51N) Aux Supply Volt-230V AC. CT Set - 400/1A (Model No:IR1-Pro-V2 3IE-1-1) for 415 V AC Main Switchboard.	No	1		
33	Master Trip Relay, Aux Supply-110V DC (86) (Model. No: CLR H-3) for 415 V AC Main Switchboard.	No	1		
34	3ph Under Voltage Relay Aux Supply-230V AC (27) Sensing Voltage 415V AC (Model. No: IRU-Pro-U-4-C) for 415 V AC Main Switchboard.	No	1		
35	Tripping & Closing Coil For 132 kV SF6 Circuit Breaker. Code Number- 190232533 V Rated - 110 Vdc. R20 - 50 Ohm (+- 5 %)	No	1		
36	Tripping & Closing Coil For 33 kV VCB. Code Number- 190232534 V Rated - 110 Vdc. R20 - 60 Ohm (+- 5 %)	No	1		
37	120 KN Antifog Type Disc Insulator	No	1		
38	132 KV Post Insulator	No	1		
39	33 KV Post Insulator	No	1		
40	Contactor TeSys D 3P AC3 12A 220VAC Coil	No	1		
41	Contactor TeSys D 3P AC3 12A 110VDC Coil	No	1		
42	MOTOR CONTACTOR 600 VAC Max. 170 m. Cont. Current - 25 A. Aux. Contact - A600-P 600 Torque - 15 lb.in Strip (L) - 5/16"	No	1		
43	LT Breaker Tripping Coil SL 91080, 240 VAC /220 VDC, with Economy Resistor Xe 52071	No	1		
44	LT Breaker Closing Coil SL 92286, 240 VAC/220 VDC, with Economy Resistor Xe 52071	No	1		
45	132kV Isolator Male Terminal Contacts	No	1		
46	132kV Isolator Female Terminal Contacts	No	1		
47	33kV Isolator Male Terminal Contacts	No	1		
48	33kV Isolator Female Terminal Contacts	No	1		
49	ACSR Conductor for 132kV Line	RM	1		

50	ACSR Conductor for 33kV Line	RM	1		
51	Silica Gel Breather for 12.5MVA Transformer	No	1		
52	Silica Gel	Kg	1		
53	HCO Fuse - 32A	No	1		
54	HRC FUSE DC : 2A	No	1		
	HRC FUSE DC : 4A	No	1		
	HRC FUSE DC : 6A	No	1		
	HRC FUSE DC : 10A	No	1		