MAHARASHTRA STATE ELECTRICITY TRANSMISSION COMPANY LTD (CIN NO- U40109MH2005SGC153646)

From,

Executive Engineer,

PAC Division, Karad,

Zone office premises,

At-Vijaynagar, Post - Supane.

Tal-Karad, Dist: Satara - 415 114.

Contact No.: 02164-255109

E-mail: - ee3510@mahatransco.in

Ref:- EE/PACD/KRD/T/ No. 10 -

Date: 0 2 SEP 2025

E- Enquiry (Budgetary offer)

Sub: - Enquiry for submission of budgetary offer for supply of Ethernet swtiches at Communcation unit Karad under PAC Division Karad.

Dear Sir

Budgetary offers are invited by the undersigned for supply of supply of Ethernet swtiches at Communcation Unit Karad under PAC Division Karad. On or before: 09.09.2025 up to 17:00 Hrs. The other terms and conditions are as mentioned below.

- 1) Quotation should be duly filled in and submitted to this office via post or e-mail ee3510@mahatransco.in
- 2) This enquiry is solely for collection of offer for estimate purpose & not for work allocation.
- 3) The offer should be submitted as per details mentioned below.
- 4) Quote rate in prescribed format.

| Particular | Unit | Rate per unit (Excl. Taxes) |
|---|------|--|
| FO/Ethernet Switches (6TX + 2FX Port) | | |
| The new switch must meet the following specifications: 1. Universal (wide-range) power input, eliminating the need for AC-to-DC converters (to support both high-voltage DC and AC mains). 2. Minimum 4 fibre-optic/SFP (FO) ports. 3. Minimum 8 copper RJ45 Ethernet ports. | No. | Prostry Out MAC Table Packet Free Interface 100000001000 Console Pas |

Please refer GTP before submitting quotation.

Executive Engineer PAC Division Karad.

ETHERNET SWITCHES

6TX + 2FX Port Layer 2 Simple Managed DIN-Rail Switches

Key Features

2 fast Ethernet fiber, 6 10/100Base-T(X) ports Supports DT-Ring and DRP/DHP protocols Supports one-key recovery Provides Mini USB Console port Industrial Ethernet Solutions UL508, Class I Div 2, CE, FCC certificates

Product Specifications

>Software Functions

-Switching

Support VLAN, PVLAN

Support port flow control (New) Support port speed limit (New)

-Redundancy

Support DT-Ring, DT-Ring+, DT-VLAN with the recovery time<50ms Support DRP/DHP with the recovery time<20ms

Support STP/RSTP (New)

-Service Quality

Support SP, WRR queue scheduling (New)

-Management & Maintenance

Support Console, Telnet, WEB management methods Support SNMPv1/v2c/v3, Kyvision centralized management Support software upgrade by FTP and TFTP

Support power, port and ring alarm Support RMON

Support port mirroring (New) Support LLDP

Support Link-check

-IP Management

Support DHCP client (New)

>Technical Specifications

-Standard

IEEE 802.3i(10Base-T)

Industrial Ethernet Solutions

IEEE 802.3u(100Base-T and 100Base-FX)

IEEE 802.3x(Flow Control) IEEE 802.1p (Class of Service) IEEE 802.1Q(VLAN)

IEEE 802.1w (RSTP), IEC 61850-3 compliant, MNS Compliance

-Switch Properties

Priority Queues: 4 Number of VLANs: 256 VLAN ID: 1-4093

MAC Table: 8K Packet Buffer: 1Mbit

Packet Forwarding Rate: 1.4Mpps Switching Delay:<5µs

-Interface

Fast Ethernet Port:

100Base-FX, SM/MM, SC/ST/FC connector 10/100Base-T(X), RJ45 port

Console Port: Mini USB Alarm Contact:

3-pin 5.08mm-spacing plug-in terminal block, 250VAC/220VDC Max,2A Max

-LED

LEDs on Front Panel Running LED: Run

Power LED: PWR1, PWR2

Ring LED: Ring

Interface LED: Link/ACT, Speed (RJ45 port); Link/ACT(Fiber port)

Protocol: STP,RSTP,PRP,HSRP

-Button

Reset: Reboot and restore default configuration

-Power Requirements Power Input: (02 No's DC Power supply card (Industrial

Ethernet Solutions

Universal 80-300VDC Power

Terminal:

5-pin 5.08mm-spacing plug-in terminal block Power Consumption: <8.1w

Overload Protection: Support Reverse Protection: Support

-Physical Characteristics Housing: Metal

Cooling: Natural convection, fanless Protection Class: IP40

Dimension:

66mm×135mm×107.5mm (W×H×D)

Weight: 0.76Kg

Mounting: DIN-Rail or Panel Mounting

-Environmental Limits Operating Temperature:

-40°C to +75°C

Storage Temperature: -40°C to +85°C

Ambient Relative Humidity: 5-95% (non-condensing)

-Quality Assurance MTBF: 385000 hrs

Warranty: 5 years

-Approvals

CE(EMC), CE(LVD), FCC: Models

Industrial Ethernet Solutions

Standard

EMI:

FCC CFR47 Part 15,EN55022/CISPR22,Class A EMS:

 $IEC61000-4-2(ESD) \pm 8kV(contact), \pm 15kV(air) IEC61000-4-3(RS) 10V/m(80MHz-2GHz)$

IEC61000-4-4(EFT) Power Port:±4kV;Data Port:±2kV

IEC61000-4-5(Surge) Power Port: ±2kV/DM, ±4kV/CM; Data Port:±2kV IEC61000-4-6(CS)

10V (150kHz-80MHz)

Machinery:

IEC60068-2-6 (Vibration) IEC60068-2-27 (Shock) IEC60068-2-32 (Free Fall)

Executive Engineer PAC Division Karad.