

OIL INDIA LIMITED  
(A Govt. of India Enterprise)  
Udyan Vihar, Narengi, Guwahati,  
Assam

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**ANNEXURE-I**

**Tender No. : GOD8115L25/3L**  
**Tender Date : 12.12.2024**

Item No./ Mat. Code	Material Description	Quantity	UOM
<b>10</b> 99096562	<p><b><u>Spares modules for CCTV System</u></b></p> <p><b>Industrial Gigabit Ethernet to Fiber Media Converter:</b></p> <p>Material Description: Gigabit Ethernet to Fiber Converter provide media conversion between 10/100/1000 BASE-T(X) and 100/1000 BASE-(F)X (available in both SC and SFP fiber connectors) as per requirement.</p> <p><b>TECHNICAL SPECIFICATIONS:</b></p> <p>Standards IEEE 802.3 for 10BASE T IEEE 802.3u for 100BASE-T(X) and 100BASE-FX IEEE 802.3ab for 1000BASE-T(X) IEEE 802.3z for 1000BASE-X</p> <p>Interface RJ45 Ports 10/100/1000Base-T(X) auto negotiation speed</p> <p>Fiber Ports 100/1000BASE-(F)X or SFP Slot (to be specified during purchase)</p> <p>LED Indicators PWR1, PWR2, CT-TML, F_Mode, Fx_Link, LLCF_ON, Test, Tx_LLCF, Fx_LLCF</p> <p>DIP Switch Media Converter mode, Speed mode, Link Transparency, TS-1000 Terminal / Center mode, Power Save, Fiber Auto Negotiation, Jumbo Frame, Cut-through</p> <p>Power Management Input Voltage 9-48 VDC Input Current Max. 0.3A @ 9VDC</p> <p>Connector Removable 5-pin Terminal Block Reverse Polarity Protection Present</p> <p>Physical Characteristics Housing Metal, IP30 protection</p> <p>Installation DIN-Rail, Wall-Mount (optional kit)</p> <p>Environmental Limits Operating Temperature -10°C ~ 70°C (14°F ~ 158°F) Storage Temperature -40°C ~ 85°C (-40°F ~ 185°F) Ambient Relative Humidity 5 ~ 95%, 55°C (non-condensing)</p> <p>Optical Fiber Specifications</p>	10	NO

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	Mode: Single-mode Distance: 10KM Bit Rate: 1250Mbps Wavelength (nm): 1310 Application: 1000Base-LX Tx Power (dBm): -9.5~-3 Rx Sensitivity (dBm): < -20 Regulatory Approvals Safety: CB EMC FCC Part 15, Subpart B, Class A EN55022 EN 61000-3-2 EN 61000-3-3 EN 55024 RoHS: Yes MTBF: 415,681.88 hrs / 47.45 years (25°C) Warranty: 5 years		
<b>20</b> 99035671	Single-mode Media Converter a) D-Link DMC 515 SC or equivalent. b) 10/100 Base-TX to 100 Base-FX SC Single-mode Media Converter c) Distance to be supported: 15km (min)	25	NO
<b>30</b> 99060433	8 port 10/100Mbps Fast Ethernet Switch with all accessories like DC power adaptors & CD	15	NO
<b>40</b> 99099920	<b>GIGA POE SWITCH 8 PORT:</b>  <b>SPECIFICATIONS:</b>  NETWORK INTERFACE: 8 nos. 10/100/1000Mbps PoE RJ45 port & 2 nos. 10/100/1000Mbps uplink RJ45 port. TRANSMISSION RATE: 10/100/1000Mbps Each port supports MDI / MDIX auto-flip and auto network interface: 10BASE-T or 100BASE-TX Ethernet RJ-45 port PROTOCOLS AND STANDARDS: IEEE802.3i 10BASE-T, IEEE 802.3u 100BASE-TX, IEEE 802.3ab 1000BASE-T, ANSI/IEEE 802.3 NWay auto-negotiation, IEEE802.3x Flow Control, IEEE 802.3af/at standard PERFORMANCE: Bandwidth: 20 Gbps (no block), Network delay (100 to 100M bps): maximum 20 #s (using 64byte packet), Frame filtering and transmission rate, 10M: 14,800pps, 100M: 148,800pps, 1000M: 1488,00pps LEDS INDICATOR: Power, LINK/ACT#POE POE PIN : 1/2(+) 3/6(-) POWER: Total Power 120W minimum LIGHTNING PROTECTION: 6KV ENVIRONMENTAL: Operating Temperature: 0°~40°C, Operating Humidity: 10%~ 90% non-condensing EMC: CE Class B, FCC Part 15#Class B, VCCI Class B, C-Tick	6	NO
<b>50</b> 99099990	2 MP IP Bullet Camera with 50 IR Range with accessories	8	NO

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<b>60</b> 99088814	<p>Ethernet to E1 Protocol Converter: Required for conversion from ITU-T G.703 E1 channel to Ethernet interface. The Ethernet interface is 10/100Mbps auto negotiation and can be full/half duplex. The E1 is transparent and in full rate, which can support the E1 unframed mode, including fractional E1 per request. Local management is provided via DIP switches and front panel LEDs monitor the G.703 link, Ethernet LAN and serial ports for status and Loss of Sync.</p> <p>1.0 E1 interface: 1.1 Standard: Comply with ITU-T G.703 1.2 Frame format: unframed 1.3 interface rate: 2.048Mbps ± 50 ppm 1.4 Port /Line coding: HDB3 1.5 Port transmission: 1 KM minimum 1.6 Port protection: 1500V electromagnetism isolate 1.7 Port connector impedance: 120 Ohm (RJ-45)</p> <p>2.0 Ethernet port: 2.1 Interface Types: 10/100BaseT, full/half duplex 2.2 Standards Compliance: IEEE 802.3 2.3 Bit Rate: 10/100BaseT limited to Max 2.048 Mbps 2.4 Connectors: RJ45 (10/100 Base-T Electrical) 2.5 Line code: Manchester Encoding 2.6 Clock: Internal and recover clock</p> <p>3.0 Power &amp; Environment 3.1 AC: 90 to 260 VAC ; 47 ~ 63Hz or DC: -48V (-36 to -72V) 3.2 Power Interface: AC socket / DC power terminal 3.3 Power Consumption: 8 W maximum 3.4 Power protection: From high voltage/short circuit 3.5 Operating temperature: 0 to 50 °C 3.6 Storage temperature: -20; to +70 °C 3.7 Relative humidity: 5% to 90% (25 °C no condense) 3.8 Warranty: 1 years Minimum</p>	4	NO
<b>70</b> 99072995	<p>Surge protector for RJ45 Ethernet (10/100 MBps) port . Salient features:- 1) Used for indoor protection of 10/100 base-T Ethernet ports/Networks from Lightning / voltage surges. 2) Must be PoE compatible. 3) Must be compliant to IEC 61643-21 4) Connector type (In /Out): RJ45 female connector 5) Must have separate grounding cable and ground connection facility for NS 35 DIN rails. 6) PoE Voltage: 48V between pins (1 ,3) and (2,6 ) APPLICATION: For protection of IP Telephones.</p>	10	NO
<b>80</b> 99098672	<p>Golden Parameters for 24-port Managed Access Switch</p> <ol style="list-style-type: none"> <li>1. Type of Switch Managed</li> <li>2. Technology Non PoE</li> <li>3. Number of 1G Copper Ports 24</li> <li>4. Number of 10G Copper Ports any</li> <li>5. Number of 1 G SFP Port (Uplink) any</li> <li>6. Number of 10 G SFP+ Port (Uplink) 4</li> <li>7. Multi-Gigabit Support any</li> <li>8. Redundant Power supply ( from day one) any</li> <li>9. On Site OEM Warranty 5 Year</li> </ol>	2	NO

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	<p>Additional Specifications:</p> <ol style="list-style-type: none"> <li>1. Form factor: Height 1U (1.75 inch) max, mountable on wall, desk, rack with mounting kit. (Rack mounting kit to be supplied along with the device)</li> <li>2. Uplink ports:               <ol style="list-style-type: none"> <li>i) Min 4 x 10GbE SFP+</li> <li>ii) Required 10G SFPs (Single Mode) from same OEM supporting minimum 2Km distance must be supplied along with the devices.</li> </ol> </li> <li>3. Switching Bandwidth (full-duplex capacity): Minimum 128 Gbps non-blocking switching capacity</li> <li>4. Power Supply: 230V 50HZ AC (Indian Standard), Power Cable must be supplied.</li> <li>5. Layer 2 feature: 802.1Q VLAN tagging with minimum number of VLAN supported: 1000 STP (802.1D), Rapid-Spanning Tree (802.1w), MSTP (802.1s) VTP/802.1ak or equivalent for registration/configuration of multiple VLANs LACP (IEEE 802.3ad) or equivalent for port-based redundancy LLDP (802.1AB), At least 1024 ARP entries</li> <li>6. Security features: IEEE 802.1x, RADIUS, TACACS+, Port-based (at least 256 ingress &amp; 256 egress) &amp; VLAN-based (at least 256 ingress &amp; 256 egress) ACLs for IPv4 as well as IPv6 MAC based security on per port.</li> <li>7. Management: SSHv2, as well as Web/HTTP/HTTPS (GUI) based management. SNMP v1, v2 and v3</li> <li>8. QoS: 802.1p QoS/CoS and Classification based on IP address, MAC address, VLAN, TCP/UDP port number.</li> <li>9. Console Port: Required</li> </ol>		
<b>90</b> 99113379	BASIC LAN TESTER RJ11/RJ45 WITH TEST CABLES AND CARRYING POUCH	2	NO
<b>100</b> 99093259	8 port 1000Base-T Interface Ethernet Switch, 110-240 VAC	10	NO
<b>110</b> 99115656	<p>24 Port Gigabit Ethernet Access Layer 3 Switch with 4 10 Gigabit SFP+ Uplink Ports. 24 x10/100/1000BaseT + 4 x 10GE (SFP+), 1 x RJ45 Ethernet Management port, 1 x Console port, Switching Capacity-128Gbps,L1, L2 Features</p> <p style="text-align: center;">- IEEE802.3(10Base-T), IEEE802.3u(100Base-TX),IEEE802.3z(1000BASE-X), IEEE802.3ab(1000Base-T), IEEE802.3ae(10GBase), IEEE802.3x, IEEE802.3ak(10GBASE-CX4), Port loopback detection, LLDP and LLDP-MED, UDLD, 802.3ad LACP, max 128 group trunks with max 8 ports for each trunk, LACP load balance, N:1 Port Mirroring, RSPAN, ERSPAN,IEEE802.1d(STP), IEEE802.1w(RSTP), IEEE802.1s(MSTP), Root Guard, BPDU Guard, BPDU Tunnel, IP Source Guard, MRPP, 802.1Q,</p>	2	NO

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	4KVLAN, MAC VLAN, Voice VLAN, PVLAN, Protocol VLAN, Multicast VLAN, QinQ, Selective QinQ, Flexible QinQ, GVRP, N:1 VLAN Translation, Broadcast / Multicast / Unicast, Storm Control, IGMP v1/v2/v3 Snooping and, L2 Query, ND Snooping, MLDv1/v2 Snooping, Port Security, Flow Control: HOL, IEEE802.3x, Bandwidth Control L3 Features - Static, Routing, RIPv1/v2, OSPFv2, BGP4, OSPFv3, BGP4+, OSPF multiple process, LPM Routing, Policy-based Routing (PBR) for IPv4 and IPv6, VRRP, URPF, ECMP, BFD, IGMP v1/v2/v3, IGMP Proxy, Static Multicast Route, Multicast Receive Control, Illegal Multicast Source Detect, ARP Guard, Local ARP proxy, Proxy ARP, ARP Binding, Gratuitous ARP, ARP Limit, Anti ARP/NDP Cheat, Anti ARP/NDP Scan. Dynamic ARP Inspection (DAI), DNS Client, DNS Relay, GRE Tunnel IPv6, 6to4 Tunnel, Configured Tunnel, ISATAP Tunnel, GRE Tunnel, ICMPv6, ND, DNSv6, IPv6 LPM Routing, IPv6 Policy-based Routing (PBR), IPv6 VRRPv3, IPv6 URPF, IPv6 RA, RIPng, OSPFv3, BGP4+, MLD Snooping, IPv6 Multicast VLAN, MLDv1/v2, IPv6 ACL, IPv6 QoS QoS - 8 Queues, SWRR, SP, WRR, DWRR, SDWRR, Traffic Classification Based on 802.1p COS, ToS, DiffServ DSCP, ACL, port number, Traffic Policing, PRI Mark/Remark		
<b>120</b> 99089508	HDMI SPLITTER	2	NO
<b>130</b> 99102860	HDMI to optical converter and optical to HDMI converter Transmits HDMI video and audio signals over fiber optic cable To be supplied in pair (Transmitter & Receiver)	2	SET
<b>140</b> 99075591	Fixed Wireless GSM Set with the following features:- CLI ,128X64 Graphic LCD with backlight, Dual band GSM 900/1800 Mz, Built-in Battery, Charger. MAKE: Visiontek 21G or equivalent.	9	NO
<b>150</b> 99035673	Multi-mode Media Converter Gigabit a) D-Link DMC-810SC or equivalent. b) 1000 Base-T to 1000 Base-LX Media Converter c) Distance to be supported: 15km (min)	6	NO
<b>160</b> 99115342	DC to DC Power Converter, 24VDC, 10 Amps	3	NO

**Standard Notes: 1.0 Bidder must keep their offer valid for minimum 75 days from Date of Bid Closing failing which their offer will be straightaway rejected.**

**2.0 Tender no. and Bid Opening Date to be clearly indicated in the envelope.**

**3.0 Your offer should be for delivery of materials at the following address: Offer will be rejected straight way in case offer is not complying the delivery location**

**Office of General Manager(T&I)PS8  
Oil India Limited,**

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Pump Station No.8, Sonapur  
P.O. Haptiagach (Via Islampur)  
Dist.: Uttardinajpur, West Bengal  
Pin-733 202

4.0 Offer will be evaluated on FOR Destination basis. Bidder should quote Transportation charges etc.(if any) separately if not included in basic price.

5.0 General Terms & Condition of this tender is not enclosed separately. Please refer to General Terms and Conditions for National Tenders (MM/TENDER/LP/01/06) under 'For Vendors' --- 'Limited Tenders' in www.oil-india.com. Tender will be governed by the same.

6.0 Purchase Preference (Linked with Local Content) (PP-LC) is not applicable against this tender.

7.0 Payment Terms: 100% payment within 21 days after receipt & acceptance of materials at OIL's site after adjusting liquidated damage, if any.

**8.0 Bidder should submit their offer incorporating the following:**

**i) Itemwise HSN Code**

**ii) Applicable Rate of GST**

9.0 If a firm quotes NIL charges/consideration, the bid shall be treated as unresponsive and will not be considered.

**10.0 ATTENTION TO OTHER INTERESTED VENDORS WHO ARE NOT LISTED:-**  
(Not applicable for bidders who have received Tender Documents directly from us)

Other than the vendors to whom the enquiry has been issued, interested vendors who wish to participate in the tender may apply with proper credentials(Relevant documents including company profile, financial status, product range, client list must be submitted along with the application) and should fulfill the below mentioned criteria:-

10.1 Experience of successfully executing at least 1(One) order for minimum 46 Nos. quantity of Tendered Item in preceding 5(five) years to be reckoned from the original stipulated bid closing date of the tender (Copies of Purchase Order(s) along with completion certificate towards successful execution of the order to be submitted).

10.2 Annual financial turnover of at least INR 4.56 Lakh in any of preceding 3(three) financial years.

12.3 The Net worth should be Positive for preceding financial/accounting year.

Note:

a) Annual Financial Turnover of the bidder from operations shall mean Aggregate value of the realisation of amount made from the sale, supply or distribution of goods or on of services rendered, or both, by the company(i.e., bidding entity, as the case may be) during a financial year as per the Companies Act,2013 Section 2(91).

b) Net worth shall mean the aggregate value of the paid-up share capital and all reserves created out of the profits and securities premium account, after deducting the aggregate value of the accumulated losses, deferred expenditure and miscellaneous expenditure not written off, as per the audited balance sheet, but does not include reserves created out of revaluation of assets, write-back of depreciation and

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amalgamation.

c) For proof of annual Turnover & Net worth any one of the following document must be submitted along with the bid:-

i) A certificate issued by a practicing Chartered/Cost Accountant (with Membership Number, UDIN and Firm Registration Number), certifying the Annual turnover & Net worth  
OR

ii) Audited Balance Sheet along with Profit & Loss account.

Documentary evidence as stipulated above, should reach the office of Dy. General Manager(Materials)Pipeline, Materials Department, Oil India Limited, Pipeline Headquarter,Guwahati-781 171(Assam) or email papari\_borah@oilindia.in / mingku\_narzari@oilindia.in within 10 days of publication of the tender on OIL's website. Based on merit, OIL will allow the vendors to participate in the current tender or future tender for the item(s) at its sole discretion.

**Disclaimer:** Authorization to participate in the tender does not guarantee placement of order. Requests received from interested vendors after 10 days of publication of tender shall be considered for future tenders only, subject to meeting the above evaluation criteria.

**Special Notes : 1.0 All supplied items must be of reputed brand and must be technically compatible.**

**2.0 All supplied items must be as per the specified item description.**

**3.0 Vendor must provide Minimum 1 year warranty from the date of supply or more if same is offered by OEM.**

**4.0 Technical literature or Instruction Manual shall be provided along with the quotation.**

**5.0 Supplier shall provide technical support during the installation of item if required.**

**Tender No.** : GOD8115L25/3L  
**Tender Date** : 12.12.2024  
**Bid Closing On** : 02.01.2025 at 13:00 hrs.(IST)  
**Bid Opening On** : 02.01.2025 at 13:00 hrs.(IST)

**Tender issued to following parties only:**

Slno	V_Code	Vendor Name	City/Country
1	201686	LALANI INTERNATIONAL	GUWAHATI
2	203577	ARADHANA AGENCY	GUWAHATI
3	204724	KIRAN ELECTRONICS	GUWAHATI
4	204997	ALLIED BUSINESS CORPORATION	GUWAHATI
5	214156	DOLPHIN INFOSYSTEM	GUWAHATI