

**बिड दस्तावेज़ / Bid Document**

| बिड विवरण / Bid Details                                                     |                                                                              |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------|
| बिड बंद होने की तारीख/समय / Bid End Date/Time                               | 03-10-2026 11:00:00                                                          |
| बिड खुलने की तारीख/समय / Bid Opening Date/Time                              | 04-10-2026 11:00:00                                                          |
| बिड पेशकश वैधता (बंद होने की तारीख से) / Bid Offer Validity (From End Date) | 120 (Days)                                                                   |
| मंत्रालय/राज्य का नाम / Ministry/State Name                                 | Ministry Of Education                                                        |
| विभाग का नाम / Department Name                                              | Department Of Higher Education                                               |
| संगठन का नाम / Organisation Name                                            | Indian Institute Of Technology (iit)                                         |
| कार्यालय का नाम / Office Name                                               | Abv-iiitm Gwalior, Madhya Pradesh                                            |
| शिकायत निवारण के संपर्क विवरण / Contact details of Grievance redressal      | HOD Email id : hod.iiit.mpd@gembuyer.in<br>Buyer Email id: anilg@iiitm.ac.in |
| कुल मात्रा / Total Quantity                                                 | 37495                                                                        |

### बिड विवरण/Bid Details

वस्तु श्रेणी /Item Category

2U Chassis based 16 Port XPON OLT with 16x10G XPON GPON ports Class , GPON EPON Wi-Fi 6 ONT, 4xGbE LAN, 1 Phone Port, 802 11ax Dual Band , NMS Controller Software-OLT ONT Management, 3rd party ONT support , Layer 3 Distribution Switch, 28x10G SFP,dual PSU, loaded with 8 LR SFP , 1 16 PLC Splitter in UV-resistant FDE IP54, SC APC, Splice Tray , 1 4 PLC Splitter in FDE IP54, SC APC connectors and adaptors , 2U 48 Port LIU with S Tray, SC APC Adpt Pigtails 24 LC-SC SC-SC PC , Outdoor 3-way Joint Enclosure for 24-core OFC , UV resistant 24 Port 4 way Outdoor Wall Mount FDB, SC APC pigtails, IP65 , 2 meter SC SC APC SM armored simplex patch cords 5mm , 1 meter SC SC APC SM armored simplex patch cords 5mm , 2-core FTTH Terminal Box , 24-core SM Armored Fiber Cable, Steel Tape, ITU-T G 652 D, 2500N tensile , 6-core SM Armored Fiber Cable, Steel Tape, ITU-T G.652.D, 2500N tensile , 2-core SM Armored Fiber Cable, Steel Tape, ITU-T G.652.D , HDPE Pipe 32mm , HDPE Duct Coupler and End Plugs , PVC Channel-Conduit UV-treated 25mm , SC-APC Pigtails , SC-SC-APC Patch Cords 3 Mtr , GI Route Markers along fiber route , 3-Mtr Octagonal Pole 5mm thick with 400x400x900mm RCC Foundation M20 , Digging and refilling - Soft Soil 300x300mm , Digging and refilling - Hard Soil 300x300mm , Laying HDPE pipes in approved route , Laying 24-core fiber optic cable in HDPE pipes , Instal fixing of PVC cond on wall Laying of armd fiber in conduit inside , Termination of 2-core fiber to FTTH terminal box on wall , Installation of route markers on fiber path , Fixing outdoor splitter and distribution encl on existing wall etc , OTDR Loss Testing of all Backbone Fiber Links and Splitter Links , Optical Power Measurement and Loss Report , As-Built Drawings AutoCAD and PDF, Onsite Training and Handover Docs

| बिड विवरण/Bid Details                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| GeMARPTS में खोजी गई स्ट्रिंग्स / Searched Strings used in GeMARPTS | <p>2U Chassis based 16 Port XPON OLT with 16x10G XPON/GPON ports, Class C+ O.M., GPON/EPON Wi-Fi 6 ONT, 4xGbE LAN, 1 Phone Port, 802.11ax Dual Band, NMS/Controller Software - OLT &amp; ONT Management, 3rd party ONT support, Layer 3 Distribution Switch, 28x10G SFP+, dual PSU, loaded with 8 LR SFP+ , 1:16 PLC Splitter in UV-resistant FDE (IP54), SC/APC, Splice Tray, 1:4 PLC Splitter in FDE (IP54), SC/APC connectors &amp; adaptors, 2U 48-Port LIU with Splice Tray, SC/APC Adapt. Pigtails+24 LC-SC &amp; SC-SC PC, Outdoor 3-way Joint Enclosure for 24-core OFC, UV-resistant 24-Port 4-way Outdoor Wall Mount FDB, SC/APC pigtails, IP65, 2-meter SC-SC/APC SM armored simplex patch cords (?5mm), 1-meter SC-SC/APC SM armored simplex patch cords (?5mm), 2-core FTTH Terminal Box, 24-core SM Armored Fiber Cable, Steel Tape, ITU-T G.652.D, ? 2500N tensile, 6-core SM Armored Fiber Cable, Steel Tape, ITU-T G.652.D, ?2500N tensile, 2-core SM Armored Fiber Cable, Steel Tape, ITU-T G.652.D, HDPE Pipe 32mm, HDPE Duct Coupler and End Plugs, PVC Channel/Conduit UV-treated 25mm, SC/APC Pigtails, SC-SC/APC Patch Cords (3 Mtr), GI Route Markers along fiber route, 3-Mtr Octagonal Pole (5mm thick) with 400x400x900mm RCC Foundation (M20), Digging &amp; refilling - Soft Soil (300x300mm), Digging &amp; refilling - Hard Soil (300x300mm), Laying HDPE pipes in approved route, Laying 24-core fiber optic cable in HDPE pipes, Instal &amp; fixing of PVC cond on wall &amp; Laying of armd fiber in conduit &amp; inside, Termination of 2-core fiber to FTTH terminal box on wall, Installation of route markers on fiber path, Fixing outdoor splitter &amp; distribution encl on existing wall etc, OTDR Loss Testing of all Backbone Fiber Links and Splitter Links, Optical Power Measurement &amp; Loss Report, As-Built Drawings (AutoCAD &amp; PDF), Onsite Training &amp; Handover Documentation</p> |
|                                                                     | <p><b>Searched String:</b> 2U Chassis based 16 Port XPON OLT with 16x10G XPON/GPON ports, Class C+ O.M.</p> <p>Category not available on GeM for the text string uploaded by the buyer</p> <p><b>Searched String:</b> GPON/EPON Wi-Fi 6 ONT, 4xGbE LAN, 1 Phone Port, 802.11ax Dual Band</p> <p>Category not available on GeM for the text string uploaded by the buyer</p> <p><b>Searched String:</b> NMS/Controller Software - OLT &amp; ONT Management, 3rd party ONT support</p> <p>Category not available on GeM for the text string uploaded by the buyer</p> <p><b>Searched String:</b> Layer 3 Distribution Switch, 28x10G SFP+, dual PSU, loaded with 8 LR SFP+</p> <p>Category not available on GeM for the text string uploaded by the buyer</p> <p><b>Searched String:</b> 1:16 PLC Splitter in UV-resistant FDE (IP54), SC/APC, Splice Tray</p> <p>Category not available on GeM for the text string uploaded by the buyer</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

| बिड विवरण / Bid Details | Searched String: 1:4 PLC Splitter in FDE (IP54), SC/APC connectors & adaptors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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|                         | <p>Category not available on GeM for the text string uploaded by the buyer</p> <p><b>Searched String:</b> 2U 48-Port LIU with Splice Tray, SC/APC Adapt. Pigtails+24 LC-SC &amp; SC-SC PC</p> <p>Category not available on GeM for the text string uploaded by the buyer</p> <p><b>Searched String:</b> Outdoor 3-way Joint Enclosure for 24-core OFC</p> <p>Cable Joint Kit Suitable for Cables Up to and Including 33 kV (V2), Cable Termination Kit Suitable for Cables Up to and Including 33 kV (V2)</p> <p><b>Searched String:</b> UV-resistant 24-Port 4-way Outdoor Wall Mount FDB, SC/APC pigtails, IP65</p> <p>Category not available on GeM for the text string uploaded by the buyer</p> <p><b>Searched String:</b> 2-meter SC-SC/APC SM armored simplex patch cords (?5mm)</p> <p>Category not available on GeM for the text string uploaded by the buyer</p> <p><b>Searched String:</b> 1-meter SC-SC/APC SM armored simplex patch cords (?5mm)</p> <p>Category not available on GeM for the text string uploaded by the buyer</p> <p><b>Searched String:</b> 2-core FTTH Terminal Box</p> <p>Galvanized Iron Core Box (V2), XLPE Cable for Working Voltage up to and Including 1.1 KV Marked To IS 7098 (Part 1), Pull Cord Switch with Terminal Box &amp; Lamp, Telephone Junction Box, PVC Insulated Copper Cable Single Core and Multi Core Circular Sheathed with Rigid Conductor (V2) ISI Marked To IS 694, Telephone Junction/DP (Distribution Point) Box (V2), PVC Insulated Copper Cord Single Core and Multi Core Circular Sheathed with Flexible Conductor (V2) ISI Marked To IS 694, Electrical Junction Box for Lighting, Waiting Area / Airport Terminal / Public Place / Reception area Chair or Seat (V2), Elastomer Insulated, Unkinkable Flexible Cords (Workshop Type) Marked To IS 9968 (Part 1)</p> <p><b>Searched String:</b> 24-core SM Armored Fiber Cable, Steel Tape, ITU-T G.652.D, ?2500N tensile</p> <p>Category not available on GeM for the text string uploaded by the buyer</p> <p><b>Searched String:</b> 6-core SM Armored Fiber Cable, Steel Tape, ITU-T G.652.D, ?2500N tensile</p> <p>Category not available on GeM for the text string uploaded by the buyer</p> <p><b>Searched String:</b> 2-core SM Armored Fiber Cable, Steel Tape, ITU-T G.652.D</p> <p>Category not available on GeM for the text string uploaded</p> |

| बिड विवरण / Bid Details                                                            | by the buyer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| <p><b>GeMARPTS में खोजा गया परिणाम / Searched Result generated in GeMARPTS</b></p> | <p><b>Searched String:</b> HDPE Pipe 32mm</p> <p>Bends for HDPE Pipes, XLPE Cable for Working Voltage up to and Including 1.1 KV Marked To IS 7098 (Part 1), HDPE Bottles, Pipe Clamps (V2), Fluorinated HDPE Bottles and Containers as per IS 15749, Dry Erase Writing Boards (V3), Pipe saddles, Biosafety Cabinet (V2), Pipe Clips, Pin Up Notice Board (V2)</p> <p><b>Searched String:</b> HDPE Duct Coupler and End Plugs</p> <p>Plug Cocks for Water Supply Purposes conforming to IS 3004</p> <p><b>Searched String:</b> PVC Channel/Conduit UV-treated 25mm</p> <p>Category not available on GeM for the text string uploaded by the buyer</p> <p><b>Searched String:</b> SC/APC Pigtailes</p> <p>Fiber Optic Pigtailes, Books (V2), Buprofezin 25 % SC, Chlorantraniliprole 18.5% SC, Dimilin 22 SC, Biliary Stents (V2), Flubendiamide 39.5% SC, Pigtail Drainage Catheter (V2), Spinosad 45% SC, Net Camouflage Shrimp Type as per Defence Specifications</p> <p><b>Searched String:</b> SC-SC/APC Patch Cords (3 Mtr)</p> <p>Trifloxystrobin 10% + Difenconazole 12.5% + Sulphur 3% SC (Suspension Concentrate), Fiber Optic Patch Cord (V2), Ruggedised and Armoured Fibre Optic Patch Cord, Fiber Optic Pigtailes, Copper Patch Cord, Fire Breathing Apparatus with Trolley (SCBA) as per IS 10245 (Part 3), Net Camouflage Shrimp Type as per Defence Specifications, Kit for Special School Students (Intellectual Disability) - Kit 3 Age Group 7 to 11 Years, Kit for Special School Students (Intellectual Disability) - Kit 2 Age Group 3 to 6 Years, Kit for Special School Students (Intellectual Disability) - Kit 1 Age Group 0 to 3 Years</p> <p><b>Searched String:</b> GI Route Markers along fiber route</p> <p>Category not available on GeM for the text string uploaded by the buyer</p> <p><b>Searched String:</b> 3-Mtr Octagonal Pole (5mm thick) with 400x400x900mm RCC Foundation (M20)</p> <p>Parallel Bar - Outdoor Gym Equipment, Double sided tape, traffic signs - bilinker light, Mechanically Woven, Double - Twisted, Hexagonal Wire Mesh Gabions, Revet Mattresses and Rock Fall Netting as per IS 16014, Swing (Preschool Kit)</p> <p><b>Searched String:</b> Digging &amp; refilling - Soft Soil (300x300mm)</p> <p>Category not available on GeM for the text string uploaded by the buyer</p> <p><b>Searched String:</b> Digging &amp; refilling - Hard Soil (300x300mm)</p> <p>Category not available on GeM for the text string uploaded by the buyer</p> <p><b>Searched String:</b> Laying HDPE pipes in approved route</p> |

| बिड विवरण / Bid Details                                                                                                | Category not available on GeM for the text string uploaded by the buyer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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|                                                                                                                        | <p><b>Searched String:</b> Laying 24-core fiber optic cable in HDPE pipes</p> <p>Category not available on GeM for the text string uploaded by the buyer</p> <p><b>Searched String:</b> Instal &amp; fixing of PVC cond on wall &amp; Laying of armd fiber in conduit &amp; inside</p> <p>Category not available on GeM for the text string uploaded by the buyer</p> <p><b>Searched String:</b> Termination of 2-core fiber to FTTH terminal box on wall</p> <p>Category not available on GeM for the text string uploaded by the buyer</p> <p><b>Searched String:</b> Installation of route markers on fiber path</p> <p>Design Installation and Maintenance of Educational Lab/Centre</p> <p><b>Searched String:</b> Fixing outdoor splitter &amp; distribution encl on existing wall etc</p> <p>Category not available on GeM for the text string uploaded by the buyer</p> <p><b>Searched String:</b> OTDR Loss Testing of all Backbone Fiber Links and Splitter Links</p> <p>Category not available on GeM for the text string uploaded by the buyer</p> <p><b>Searched String:</b> Optical Power Measurement &amp; Loss Report</p> <p>Category not available on GeM for the text string uploaded by the buyer</p> <p><b>Searched String:</b> As-Built Drawings (AutoCAD &amp; PDF), Onsite Training &amp; Handover Documentation</p> <p>Category not available on GeM for the text string uploaded by the buyer</p> |
| अधिसूचना के लिए चयनित प्रासंगिक श्रेणियाँ / <b>Relevant Categories selected for notification</b>                       | <ul style="list-style-type: none"> <li>• Fiber Optic Patch Cord (V2)</li> <li>• Optical Network Terminal (ONT)</li> <li>• Optical Fibre Cable for Networking</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| बीओक्यू शीर्षक / <b>BOQ Title</b>                                                                                      | SITC AND MAINTENANCE OF GPON XPON BASED NETWORK CONNECTIVITY AT ABVIITM CAMPUS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| बिडर का न्यूनतम औसत वार्षिक टर्नओवर (3 वर्षों का) / <b>Minimum Average Annual Turnover of the bidder (For 3 Years)</b> | 39 Lakh (s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| मूल उपकरण निर्माता का औसत टर्नओवर (गत 3 वर्षों का) / <b>OEM Average Turnover (Last 3 Years)</b>                        | 318 Lakh (s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

| बिड विवरण/Bid Details                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| उन्हीं/समान सेवा के लिए अपेक्षित विगत अनुभव के वर्ष/Years of Past Experience Required for same/similar service                                                                                                            | 3 Year (s)                                                                                                                                                                                                                                                                                                                                                                                                                      |
| टर्नओवर पात्रता मानदंड/Turnover eligibility criteria                                                                                                                                                                      | GeM verified turnover                                                                                                                                                                                                                                                                                                                                                                                                           |
| वर्षों के अनुभव एवं टर्नओवर से एमएसई को छूट प्राप्त है / MSE Relaxation for Years Of Experience and Turnover                                                                                                              | Yes   Complete                                                                                                                                                                                                                                                                                                                                                                                                                  |
| स्टार्टअप के लिए अनुभव के वर्षों और टर्नओवर से छूट प्रदान की गई है / Startup Relaxation for Years Of Experience and Turnover                                                                                              | Yes   Complete                                                                                                                                                                                                                                                                                                                                                                                                                  |
| विक्रेता से मांगे गए दस्तावेज़/Document required from seller                                                                                                                                                              | Experience Criteria,Past Performance,Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,OEM Annual Turnover,Additional Doc 1 (Requested in ATC),Compliance of BoQ specification and supporting document<br>*In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer |
| क्या आप निविदाकारों द्वारा अपलोड किए गए दस्तावेज़ों को निविदा में भाग लेने वाले सभी निविदाकारों को दिखाना चाहते हैं? संदर्भ मेनू है/Do you want to show documents uploaded by bidders to all bidders participated in bid? | Yes (Documents submitted as part of a clarification or representation during the tender/bid process will also be displayed to other participated bidders after log in)                                                                                                                                                                                                                                                          |
| बिड लगाने की समय सीमा स्वतः नहीं बढ़ाने के लिए आवश्यक बिड की संख्या। / Minimum number of bids required to disable automatic bid extension                                                                                 | 3                                                                                                                                                                                                                                                                                                                                                                                                                               |
| दिनों की संख्या, जिनके लिए बिड लगाने की समय-सीमा बढ़ाई जाएगी। / Number of days for which Bid would be auto-extended                                                                                                       | 7                                                                                                                                                                                                                                                                                                                                                                                                                               |
| ऑटो एक्सटेंशन अधिकतम कितनी बार किया जाना है। / Number of Auto Extension count                                                                                                                                             | 1                                                                                                                                                                                                                                                                                                                                                                                                                               |
| विगत प्रदर्शन /Past Performance                                                                                                                                                                                           | 80 %                                                                                                                                                                                                                                                                                                                                                                                                                            |
| बिड से रिवर्स नीलामी सक्रिय किया/Bid to RA enabled                                                                                                                                                                        | Yes                                                                                                                                                                                                                                                                                                                                                                                                                             |
| रिवर्स नीलामी योग्यता नियम/RA Qualification Rule                                                                                                                                                                          | H1-Highest Priced Bid Elimination                                                                                                                                                                                                                                                                                                                                                                                               |
| बिड का प्रकार/Type of Bid                                                                                                                                                                                                 | Two Packet Bid                                                                                                                                                                                                                                                                                                                                                                                                                  |
| प्राथमिक उत्पाद श्रेणी/Primary product category                                                                                                                                                                           | GPON EPON Wi-Fi 6 ONT, 4xGbE LAN, 1 Phone Port, 802 11ax Dual Band                                                                                                                                                                                                                                                                                                                                                              |
| तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय /Time allowed for Technical Clarifications during technical evaluation                                                                                         | 4 Days                                                                                                                                                                                                                                                                                                                                                                                                                          |

| बिड विवरण/Bid Details                                                                                                                                                                |                             |
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| निरीक्षण आवश्यक (सूचीबद्ध निरीक्षण प्राधिकरण /जेम के साथ पूर्व पंजीकृत एजेंसियों द्वारा)/Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM) | No                          |
| अनुमानित बिड मूल्य / Estimated Bid Value                                                                                                                                             | 7957920                     |
| मूल्यांकन पद्धति/Evaluation Method                                                                                                                                                   | Total value wise evaluation |
| मध्यस्थता खंड/Arbitration Clause                                                                                                                                                     | No                          |
| सुलह खंड/Mediation Clause                                                                                                                                                            | No                          |

#### ईएमडी विवरण/EMD Detail

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| एडवाइजरी बैंक/Advisory Bank | Bank of India |
| ईएमडी राशि/EMD Amount       | 397896        |

#### ईपीबीजी विवरण /ePBG Detail

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| एडवाइजरी बैंक/Advisory Bank                                       | Bank of India |
| ईपीबीजी प्रतिशत (%) /ePBG Percentage(%)                           | 5.00          |
| ईपीबीजी की आवश्यक अवधि (माह) /Duration of ePBG required (Months). | 38            |

(a). जेम की शर्तों के अनुसार ईएमडी छूट के इच्छुक बिडर को संबंधित कैटेगरी के लिए बिड के साथ वैध समर्थित दस्तावेज प्रस्तुत करने है। एमएसई कैटेगरी के अंतर्गत केवल वस्तुओं के लिए विनिर्माता तथा सेवाओं के लिए सेवा प्रदाता ईएमडी से छूट के पात्र हैं। व्यापारियों को इस नीति के दायरे से बाहर रखा गया है।/EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy.

(b).ईएमडी और संपादन जमानत राशि, जहां यह लागू होती है, लाभार्थी के पक्ष में होनी चाहिए। / EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.

(c).ईएमडी और संपादन जमानत राशि लाभार्थी के पक्ष में होनी चाहिए। / Earnest Money Deposit (EMD) shall also be accepted by the buyer in the form of a surety bond.

#### लाभार्थी /Beneficiary :

Director, ABV-IIITM, Gwalior  
ABV-IIITM, Gwalior, Morena Link Road, Gwalior MP Pin-474015 Madhya Pradesh  
(Director, Abv-iiitm, Gwalior)

बोली विभाजन लागू नहीं किया गया/ Bid splitting not applied.

#### एमआईआई के लिए आरक्षित / Reserved for Make In India products

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| एमआईआई के लिए आरक्षित / Reserved for Make In India products | Yes |
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**एमएसई खरीद वरीयता/MSE Purchase Preference**

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| एमएसई खरीद वरीयता/MSE Purchase Preference                                                                                                                                                                 | Yes |
| सूक्ष्म और लघु उद्यम मूल उपकरण निर्माताओं/सेवा प्रदाता को खरीद में प्राथमिकता, यदि उनका मूल्य $L1+X\%$ / Purchase Preference to MSE OEMs/ Service Provider available upto price within $L1+X\%$           | 15  |
| सूक्ष्म और लघु उद्यम मूल उपकरण निर्माता/सेवा प्रदाता को खरीद में प्राथमिकता के लिए बिड की मात्रा का अधिकतम प्रतिशत / Percentage of Bid quantity/amount for MSE OEMs/ Service Provider Purchase preference | 25  |

1. If the bidder is a Micro or Small Enterprise as per latest orders issued by Ministry of MSME, the bidder shall be relaxed from the eligibility criteria of "Experience Criteria" as defined above subject to meeting of quality and technical specifications. The bidder seeking Relaxation from Experience Criteria, shall upload the supporting documents to prove his eligibility for Relaxation.
2. If the bidder is a Micro or Small Enterprise (MSE) as per latest orders issued by Ministry of MSME, the bidder shall be relaxed from the eligibility criteria of "Bidder Turnover" as defined above subject to meeting of quality and technical specifications. If the bidder itself is MSE OEM of the offered products, it would be relaxed from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. The bidder seeking Relaxation from Turnover, shall upload the supporting documents to prove his eligibility for Relaxation.
3. If the bidder is a DPIIT registered Startup, the bidder shall be relaxed from the the eligibility criteria of "Experience Criteria" as defined above subject to their meeting of quality and technical specifications. The bidder seeking Relaxation from Experience Criteria, shall upload the supporting documents to prove his eligibility for Relaxation.
4. If the bidder is a DPIIT registered Startup, the bidder shall be relaxed from the the eligibility criteria of "Bidder Turnover" as defined above subject to their meeting of quality and technical specifications. If the bidder is DPIIT Registered OEM of the offered products, it would be relaxed from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. The bidder seeking Relaxation from Turnover shall upload the supporting documents to prove his eligibility for Relaxation.
5. The minimum average annual financial turnover of the bidder during the last three financial years, ending on 31st March of the previous financial year, should be as indicated in the bid document. The turnover of the bidder shall be validated by the system based on the financial data available on the GeM portal. The average turnover shall be calculated based on the last three financial years where data is available; in case data is available for only two of the last three financial years, the average shall be computed based on those two years. In case the date of constitution / incorporation of the bidder is less than three years old, the average turnover in respect of the completed financial years after the date of constitution / incorporation shall be taken into account for this criterion. No separate documentary evidence is required to be uploaded by the bidder for this criterion, as the system shall derive and validate the turnover figures from the data available on the GeM portal.
6. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM of the product offered in the bid {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU for number of Financial years as indicated above in the bid document before the bid opening date. Copies of relevant contracts and delivery acceptance certificates like CRAC to be submitted along with bid in support of having supplied some quantity during each of the Financial year. In case of bunch bids, the category of primary product having highest value should meet this criterion.
7. OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.
8. Bid reserved for Make In India products: : Procurement under this bid is reserved for purchase from Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. However, eligible micro and small enterprises will be allowed to participate. The minimum local content to

qualify as a class 1 local supplier is denoted in the bid document. All bidders must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which the bid is liable to be rejected. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020 . In case Buyer has selected Purchase preference to Micro and Small Enterprises clause in the bid, the same will get precedence over this clause.

**9. Purchase preference to Micro and Small Enterprises (MSEs):** Purchase preference will be given to MSEs having valid Udyam Certificate and whose credentials are validated online through Udyam Registration portal as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail themselves of the Purchase preference, the bidder must be the manufacturer / OEM of the offered product on GeM. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises and hence resellers offering products manufactured by some other OEM are not eligible for any purchase preference. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service, and Buyer will decide eligibility for purchase preference based on documentary evidence submitted in case of product bids, whereas in case of services the eligibility is automatically validated. If L-1 is not an MSE and MSE Seller (s) has / have quoted price within L-1+ 15% (Selected by Buyer) of margin of purchase preference /price band defined in relevant policy, such MSE Seller shall be given opportunity to match L-1 price and contract will be awarded for 25% (selected by Buyer) percentage of total quantity. The buyers are advised to refer the [OM No.1 4 2021 PPD dated 18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017. Benefits of MSE will be allowed only if seller is validated on-line in GeM profile as well as validated and approved by Buyer after evaluation of documents submitted.

**10.** Estimated Bid Value indicated above is being declared solely for the purpose of guidance on EMD amount and for determining the Eligibility Criteria related to Turn Over, Past Performance and Project / Past Experience etc. This has no relevance or bearing on the price to be quoted by the bidders and is also not going to have any impact on bid participation. Also this is not going to be used as a criteria in determining reasonableness of quoted prices which would be determined by the buyer based on its own assessment of reasonableness and based on competitive prices received in Bid / RA process.

**11. Past Performance:** The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 80% of bid quantity, in at least one of the last three Financial years before the bid opening date to any Central / State Govt Organization / PSU. Copies of relevant contracts (proving supply of cumulative order quantity in any one financial year) to be submitted along with bid in support of quantity supplied in the relevant Financial year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.

**12. Reverse Auction** would be conducted amongst all the technically qualified bidders except the Highest quoting bidder. The technically qualified Highest Quoting bidder will not be allowed to participate in RA. However, H-1 will also be allowed to participate in RA in following cases:

- i. If number of technically qualified bidders are only 2 or 3.
- ii. If Buyer has chosen to split the bid amongst N sellers, and H1 bid is coming within N.
- iii. In case Primary product of only one OEM is left in contention for participation in RA on elimination of H-1.
- iv. If L-1 is non-MSE and H-1 is eligible MSE and H-1 price is coming within price band of 15% of Non-MSE L-1
- v. If L-1 is non-MII and H-1 is eligible MII and H-1 price is coming within price band of 20% of Non-MII L-1

#### Pre Bid Detail(s)

| मूल्य भिन्नता खंड दस्तावेज़/Pre-Bid Date and Time | प्री-बिड स्थान/Pre-Bid Venue                                                      |
|---------------------------------------------------|-----------------------------------------------------------------------------------|
| 18-09-2026 16:00:00                               | Meeting Room B-106, B Block, ABV-IIITM Campus, Morena Link Road, Gwalior - 474015 |

#### 2U Chassis Based 16 Port XPON OLT With 16x10G XPON GPON Ports Class

(Minimum 60% Local Content required for qualifying as Class 1 Local Supplier)

#### तकनीकी विशिष्टियाँ /Technical Specifications

|                               |                           |
|-------------------------------|---------------------------|
| <b>Specification Document</b> | <a href="#">View File</a> |
| <b>BOQ Detail Document</b>    | <a href="#">View File</a> |

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

**परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity**

| क्र.सं./S.No. | परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer | पता/Address                                                                              | मात्रा /Quantity | डिलीवरी के दिन/Delivery Days |
|---------------|---------------------------------------------------------|------------------------------------------------------------------------------------------|------------------|------------------------------|
| 1             | Anil Kumar Garg                                         | 474015,ABV-IIITM Gwalior, Morena Link Road, NH #92, Gwalior, Madhya Pradesh Pin - 474010 | 1                | 90                           |

**GPON EPON Wi-Fi 6 ONT, 4xGbE LAN, 1 Phone Port, 802 11ax Dual Band**

**(Minimum 60% Local Content required for qualifying as Class 1 Local Supplier)**

**तकनीकी विशिष्टियाँ /Technical Specifications**

|                               |                           |
|-------------------------------|---------------------------|
| <b>Specification Document</b> | <a href="#">View File</a> |
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**परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity**

| क्र.सं./S.No. | परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer | पता/Address                                                                              | मात्रा /Quantity | डिलीवरी के दिन/Delivery Days |
|---------------|---------------------------------------------------------|------------------------------------------------------------------------------------------|------------------|------------------------------|
| 1             | Anil Kumar Garg                                         | 474015,ABV-IIITM Gwalior, Morena Link Road, NH #92, Gwalior, Madhya Pradesh Pin - 474010 | 150              | 90                           |

**NMS Controller Software-OLT ONT Management, 3rd Party ONT Support**

**(Minimum 50% Local Content required for qualifying as Class 1 Local Supplier)**

**तकनीकी विशिष्टियाँ /Technical Specifications**

|                               |                           |
|-------------------------------|---------------------------|
| <b>Specification Document</b> | <a href="#">View File</a> |
| <b>BOQ Detail Document</b>    | <a href="#">View File</a> |

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**परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity**

| क्र.सं./S.No. | परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer | पता/Address                                                                              | मात्रा /Quantity | डिलीवरी के दिन/Delivery Days |
|---------------|---------------------------------------------------------|------------------------------------------------------------------------------------------|------------------|------------------------------|
| 1             | Anil Kumar Garg                                         | 474015,ABV-IIITM Gwalior, Morena Link Road, NH #92, Gwalior, Madhya Pradesh Pin - 474010 | 1                | 90                           |

**Layer 3 Distribution Switch, 28x10G SFP,dual PSU, Loaded With 8 LR SFP**

**(Minimum 60% Local Content required for qualifying as Class 1 Local Supplier)**

**तकनीकी विशिष्टियाँ /Technical Specifications**

|                               |                           |
|-------------------------------|---------------------------|
| <b>Specification Document</b> | <a href="#">View File</a> |
| <b>BOQ Detail Document</b>    | <a href="#">View File</a> |

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**परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity**

| क्र.सं./S.No. | परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer | पता/Address                                                                              | मात्रा /Quantity | डिलीवरी के दिन/Delivery Days |
|---------------|---------------------------------------------------------|------------------------------------------------------------------------------------------|------------------|------------------------------|
| 1             | Anil Kumar Garg                                         | 474015,ABV-IIITM Gwalior, Morena Link Road, NH #92, Gwalior, Madhya Pradesh Pin - 474010 | 1                | 90                           |

**1 16 PLC Splitter In UV-resistant FDE IP54, SC APC, Splice Tray**

**(Minimum 50% Local Content required for qualifying as Class 1 Local Supplier)**

**तकनीकी विशिष्टियाँ /Technical Specifications**

|                               |                           |
|-------------------------------|---------------------------|
| <b>Specification Document</b> | <a href="#">View File</a> |
| <b>BOQ Detail Document</b>    | <a href="#">View File</a> |

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

**प्रेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity**

| क्र.सं./S.No. | प्रेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer | पता/Address                                                                              | मात्रा /Quantity | डिलीवरी के दिन/Delivery Days |
|---------------|----------------------------------------------------------|------------------------------------------------------------------------------------------|------------------|------------------------------|
| 1             | Anil Kumar Garg                                          | 474015,ABV-IIITM Gwalior, Morena Link Road, NH #92, Gwalior, Madhya Pradesh Pin - 474010 | 40               | 90                           |

**1 4 PLC Splitter In FDE IP54, SC APC Connectors And Adaptors**

(Minimum 50% Local Content required for qualifying as Class 1 Local Supplier)

**तकनीकी विशिष्टियाँ /Technical Specifications**

|                               |                           |
|-------------------------------|---------------------------|
| <b>Specification Document</b> | <a href="#">View File</a> |
| <b>BOQ Detail Document</b>    | <a href="#">View File</a> |

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

**प्रेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity**

| क्र.सं./S.No. | प्रेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer | पता/Address                                                                              | मात्रा /Quantity | डिलीवरी के दिन/Delivery Days |
|---------------|----------------------------------------------------------|------------------------------------------------------------------------------------------|------------------|------------------------------|
| 1             | Anil Kumar Garg                                          | 474015,ABV-IIITM Gwalior, Morena Link Road, NH #92, Gwalior, Madhya Pradesh Pin - 474010 | 6                | 90                           |

**2U 48 Port LIU With S Tray, SC APC Adpt Pigtails 24 LC-SC SC-SC PC**

**(Minimum 50% Local Content required for qualifying as Class 1 Local Supplier)**

**तकनीकी विशिष्टियाँ /Technical Specifications**

|                               |                           |
|-------------------------------|---------------------------|
| <b>Specification Document</b> | <a href="#">View File</a> |
| <b>BOQ Detail Document</b>    | <a href="#">View File</a> |

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

**प्रेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity**

| क्र.सं./S.No. | प्रेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer | पता/Address                                                                              | मात्रा /Quantity | डिलीवरी के दिन/Delivery Days |
|---------------|----------------------------------------------------------|------------------------------------------------------------------------------------------|------------------|------------------------------|
| 1             | Anil Kumar Garg                                          | 474015,ABV-IIITM Gwalior, Morena Link Road, NH #92, Gwalior, Madhya Pradesh Pin - 474010 | 1                | 90                           |

**Outdoor 3-way Joint Enclosure For 24-core OFC**

**(Minimum 50% Local Content required for qualifying as Class 1 Local Supplier)**

**तकनीकी विशिष्टियाँ /Technical Specifications**

|                               |                           |
|-------------------------------|---------------------------|
| <b>Specification Document</b> | <a href="#">View File</a> |
| <b>BOQ Detail Document</b>    | <a href="#">View File</a> |

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

**प्रेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity**

| क्र.सं./S.No. | प्रेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer | पता/Address                                                                              | मात्रा /Quantity | डिलीवरी के दिन/Delivery Days |
|---------------|----------------------------------------------------------|------------------------------------------------------------------------------------------|------------------|------------------------------|
| 1             | Anil Kumar Garg                                          | 474015,ABV-IIITM Gwalior, Morena Link Road, NH #92, Gwalior, Madhya Pradesh Pin - 474010 | 10               | 90                           |

## UV Resistant 24 Port 4 Way Outdoor Wall Mount FDB, SC APC Pigtails, IP65

(Minimum 50% Local Content required for qualifying as Class 1 Local Supplier)

### तकनीकी विशिष्टियाँ /Technical Specifications

|                        |                           |
|------------------------|---------------------------|
| Specification Document | <a href="#">View File</a> |
| BOQ Detail Document    | <a href="#">View File</a> |

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

### प्रेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

| क्र.सं./S.N<br>o. | प्रेषिती/रिपोर्टिंग<br>अधिकारी /Consignee<br>Reporting/Officer | पता/Address                                                                                       | मात्रा /Quantity | डिलीवरी के दिन/Delivery<br>Days |
|-------------------|----------------------------------------------------------------|---------------------------------------------------------------------------------------------------|------------------|---------------------------------|
| 1                 | Anil Kumar Garg                                                | 474015,ABV-IIITM Gwalior,<br>Morena Link Road, NH #92,<br>Gwalior, Madhya Pradesh Pin -<br>474010 | 6                | 90                              |

## 2 Meter SC SC APC SM Armored Simplex Patch Cords 5mm

(Minimum 50% Local Content required for qualifying as Class 1 Local Supplier)

### तकनीकी विशिष्टियाँ /Technical Specifications

|                        |                           |
|------------------------|---------------------------|
| Specification Document | <a href="#">View File</a> |
| BOQ Detail Document    | <a href="#">View File</a> |

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

### प्रेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

| क्र.सं./S.N<br>o. | प्रेषिती/रिपोर्टिंग<br>अधिकारी /Consignee<br>Reporting/Officer | पता/Address | मात्रा /Quantity | डिलीवरी के दिन/Delivery<br>Days |
|-------------------|----------------------------------------------------------------|-------------|------------------|---------------------------------|
|-------------------|----------------------------------------------------------------|-------------|------------------|---------------------------------|

| क्र.सं./S.N<br>o. | प्रेषिती/रिपोर्टिंग<br>अधिकारी /Consignee<br>Reporting/Officer | पता/Address                                                                                       | मात्रा /Quantity | डिलीवरी के दिन/Delivery<br>Days |
|-------------------|----------------------------------------------------------------|---------------------------------------------------------------------------------------------------|------------------|---------------------------------|
| 1                 | Anil Kumar Garg                                                | 474015,ABV-IIITM Gwalior,<br>Morena Link Road, NH #92,<br>Gwalior, Madhya Pradesh Pin -<br>474010 | 24               | 90                              |

## 1 Meter SC SC APC SM Armored Simplex Patch Cords 5mm

(Minimum 50% Local Content required for qualifying as Class 1 Local Supplier)

तकनीकी विशिष्टियाँ /Technical Specifications

|                        |                           |
|------------------------|---------------------------|
| Specification Document | <a href="#">View File</a> |
| BOQ Detail Document    | <a href="#">View File</a> |

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

प्रेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

| क्र.सं./S.N<br>o. | प्रेषिती/रिपोर्टिंग<br>अधिकारी /Consignee<br>Reporting/Officer | पता/Address                                                                                       | मात्रा /Quantity | डिलीवरी के दिन/Delivery<br>Days |
|-------------------|----------------------------------------------------------------|---------------------------------------------------------------------------------------------------|------------------|---------------------------------|
| 1                 | Anil Kumar Garg                                                | 474015,ABV-IIITM Gwalior,<br>Morena Link Road, NH #92,<br>Gwalior, Madhya Pradesh Pin -<br>474010 | 24               | 90                              |

## 2-core FTTH Terminal Box

(Minimum 50% Local Content required for qualifying as Class 1 Local Supplier)

तकनीकी विशिष्टियाँ /Technical Specifications

|                        |                           |
|------------------------|---------------------------|
| Specification Document | <a href="#">View File</a> |
| BOQ Detail Document    | <a href="#">View File</a> |

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

परेशिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

| क्र.सं./S.No. | परेशिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer | पता/Address                                                                              | मात्रा /Quantity | डिलीवरी के दिन/Delivery Days |
|---------------|---------------------------------------------------------|------------------------------------------------------------------------------------------|------------------|------------------------------|
| 1             | Anil Kumar Garg                                         | 474015,ABV-IIITM Gwalior, Morena Link Road, NH #92, Gwalior, Madhya Pradesh Pin - 474010 | 150              | 90                           |

**24-core SM Armored Fiber Cable, Steel Tape, ITU-T G 652 D, 2500N Tensile**

(Minimum 50% Local Content required for qualifying as Class 1 Local Supplier)

तकनीकी विशिष्टियाँ /Technical Specifications

|                        |                           |
|------------------------|---------------------------|
| Specification Document | <a href="#">View File</a> |
| BOQ Detail Document    | <a href="#">View File</a> |

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

परेशिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

| क्र.सं./S.No. | परेशिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer | पता/Address                                                                              | मात्रा /Quantity | डिलीवरी के दिन/Delivery Days |
|---------------|---------------------------------------------------------|------------------------------------------------------------------------------------------|------------------|------------------------------|
| 1             | Anil Kumar Garg                                         | 474015,ABV-IIITM Gwalior, Morena Link Road, NH #92, Gwalior, Madhya Pradesh Pin - 474010 | 5000             | 90                           |

**6-core SM Armored Fiber Cable, Steel Tape, ITU-T G.652.D, 2500N Tensile**

(Minimum 50% Local Content required for qualifying as Class 1 Local Supplier)

तकनीकी विशिष्टियाँ /Technical Specifications

|                        |                           |
|------------------------|---------------------------|
| Specification Document | <a href="#">View File</a> |
| BOQ Detail Document    | <a href="#">View File</a> |

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

**परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity**

| क्र.सं./S.No. | परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer | पता/Address                                                                              | मात्रा /Quantity | डिलीवरी के दिन/Delivery Days |
|---------------|---------------------------------------------------------|------------------------------------------------------------------------------------------|------------------|------------------------------|
| 1             | Anil Kumar Garg                                         | 474015,ABV-IIITM Gwalior, Morena Link Road, NH #92, Gwalior, Madhya Pradesh Pin - 474010 | 1000             | 90                           |

**2-core SM Armored Fiber Cable, Steel Tape, ITU-T G.652.D**

**(Minimum 50% Local Content required for qualifying as Class 1 Local Supplier)**

**तकनीकी विशिष्टियाँ /Technical Specifications**

|                               |                           |
|-------------------------------|---------------------------|
| <b>Specification Document</b> | <a href="#">View File</a> |
| <b>BOQ Detail Document</b>    | <a href="#">View File</a> |

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

**परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity**

| क्र.सं./S.No. | परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer | पता/Address                                                                              | मात्रा /Quantity | डिलीवरी के दिन/Delivery Days |
|---------------|---------------------------------------------------------|------------------------------------------------------------------------------------------|------------------|------------------------------|
| 1             | Anil Kumar Garg                                         | 474015,ABV-IIITM Gwalior, Morena Link Road, NH #92, Gwalior, Madhya Pradesh Pin - 474010 | 2000             | 90                           |

**HDPE Pipe 32mm**

**(Minimum 50% Local Content required for qualifying as Class 1 Local Supplier)**

**तकनीकी विशिष्टियाँ /Technical Specifications**

|                               |                           |
|-------------------------------|---------------------------|
| <b>Specification Document</b> | <a href="#">View File</a> |
| <b>BOQ Detail Document</b>    | <a href="#">View File</a> |

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

**परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity**

| क्र.सं./S.No. | परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer | पता/Address                                                                              | मात्रा /Quantity | डिलीवरी के दिन/Delivery Days |
|---------------|---------------------------------------------------------|------------------------------------------------------------------------------------------|------------------|------------------------------|
| 1             | Anil Kumar Garg                                         | 474015,ABV-IIITM Gwalior, Morena Link Road, NH #92, Gwalior, Madhya Pradesh Pin - 474010 | 6000             | 90                           |

**HDPE Duct Coupler And End Plugs****(Minimum 50% Local Content required for qualifying as Class 1 Local Supplier)****तकनीकी विशिष्टियाँ /Technical Specifications**

|                               |                           |
|-------------------------------|---------------------------|
| <b>Specification Document</b> | <a href="#">View File</a> |
| <b>BOQ Detail Document</b>    | <a href="#">View File</a> |

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

**परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity**

| क्र.सं./S.No. | परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer | पता/Address                                                                              | मात्रा /Quantity | डिलीवरी के दिन/Delivery Days |
|---------------|---------------------------------------------------------|------------------------------------------------------------------------------------------|------------------|------------------------------|
| 1             | Anil Kumar Garg                                         | 474015,ABV-IIITM Gwalior, Morena Link Road, NH #92, Gwalior, Madhya Pradesh Pin - 474010 | 100              | 90                           |

**PVC Channel-Conduit UV-treated 25mm****(Minimum 50% Local Content required for qualifying as Class 1 Local Supplier)****तकनीकी विशिष्टियाँ /Technical Specifications**

|                               |                           |
|-------------------------------|---------------------------|
| <b>Specification Document</b> | <a href="#">View File</a> |
| <b>BOQ Detail Document</b>    | <a href="#">View File</a> |

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

**परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity**

| क्र.सं./S.No. | परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer | पता/Address                                                                              | मात्रा /Quantity | डिलीवरी के दिन/Delivery Days |
|---------------|---------------------------------------------------------|------------------------------------------------------------------------------------------|------------------|------------------------------|
| 1             | Anil Kumar Garg                                         | 474015,ABV-IIITM Gwalior, Morena Link Road, NH #92, Gwalior, Madhya Pradesh Pin - 474010 | 2000             | 90                           |

**SC-APC Pigtails**

**(Minimum 50% Local Content required for qualifying as Class 1 Local Supplier)**

**तकनीकी विशिष्टियाँ /Technical Specifications**

|                               |                           |
|-------------------------------|---------------------------|
| <b>Specification Document</b> | <a href="#">View File</a> |
| <b>BOQ Detail Document</b>    | <a href="#">View File</a> |

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

**परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity**

| क्र.सं./S.No. | परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer | पता/Address                                                                              | मात्रा /Quantity | डिलीवरी के दिन/Delivery Days |
|---------------|---------------------------------------------------------|------------------------------------------------------------------------------------------|------------------|------------------------------|
| 1             | Anil Kumar Garg                                         | 474015,ABV-IIITM Gwalior, Morena Link Road, NH #92, Gwalior, Madhya Pradesh Pin - 474010 | 200              | 90                           |

**SC-SC-APC Patch Cords 3 Mtr**

**(Minimum 50% Local Content required for qualifying as Class 1 Local Supplier)**

**तकनीकी विशिष्टियाँ /Technical Specifications**

|                               |                           |
|-------------------------------|---------------------------|
| <b>Specification Document</b> | <a href="#">View File</a> |
| <b>BOQ Detail Document</b>    | <a href="#">View File</a> |

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

**परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity**

| क्र.सं./S.No. | परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer | पता/Address                                                                              | मात्रा /Quantity | डिलीवरी के दिन/Delivery Days |
|---------------|---------------------------------------------------------|------------------------------------------------------------------------------------------|------------------|------------------------------|
| 1             | Anil Kumar Garg                                         | 474015,ABV-IIITM Gwalior, Morena Link Road, NH #92, Gwalior, Madhya Pradesh Pin - 474010 | 200              | 90                           |

**GI Route Markers Along Fiber Route**

**(Minimum 50% Local Content required for qualifying as Class 1 Local Supplier)**

**तकनीकी विशिष्टियाँ /Technical Specifications**

|                               |                           |
|-------------------------------|---------------------------|
| <b>Specification Document</b> | <a href="#">View File</a> |
| <b>BOQ Detail Document</b>    | <a href="#">View File</a> |

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

**परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity**

| क्र.सं./S.No. | परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer | पता/Address                                                                              | मात्रा /Quantity | डिलीवरी के दिन/Delivery Days |
|---------------|---------------------------------------------------------|------------------------------------------------------------------------------------------|------------------|------------------------------|
| 1             | Anil Kumar Garg                                         | 474015,ABV-IIITM Gwalior, Morena Link Road, NH #92, Gwalior, Madhya Pradesh Pin - 474010 | 200              | 90                           |

**3-Mtr Octagonal Pole 5mm Thick With 400x400x900mm RCC Foundation M20**

**(Minimum 50% Local Content required for qualifying as Class 1 Local Supplier)**

**तकनीकी विशिष्टियाँ /Technical Specifications**

|                               |                           |
|-------------------------------|---------------------------|
| <b>Specification Document</b> | <a href="#">View File</a> |
| <b>BOQ Detail Document</b>    | <a href="#">View File</a> |

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

**परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity**

| क्र.सं./S.N<br>o. | परेषिती/रिपोर्टिंग<br>अधिकारी /Consignee<br>Reporting/Officer | पता/Address                                                                                       | मात्रा /Quantity | डिलीवरी के दिन/Delivery<br>Days |
|-------------------|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------|------------------|---------------------------------|
| 1                 | Anil Kumar Garg                                               | 474015,ABV-IIITM Gwalior,<br>Morena Link Road, NH #92,<br>Gwalior, Madhya Pradesh Pin -<br>474010 | 5                | 90                              |

**Digging And Refilling - Soft Soil 300x300mm**

**(Minimum 50% Local Content required for qualifying as Class 1 Local Supplier)**

**तकनीकी विशिष्टियाँ /Technical Specifications**

|                               |                           |
|-------------------------------|---------------------------|
| <b>Specification Document</b> | <a href="#">View File</a> |
| <b>BOQ Detail Document</b>    | <a href="#">View File</a> |

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

**परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity**

| क्र.सं./S.N<br>o. | परेषिती/रिपोर्टिंग<br>अधिकारी /Consignee<br>Reporting/Officer | पता/Address                                                                                       | मात्रा /Quantity | डिलीवरी के दिन/Delivery<br>Days |
|-------------------|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------|------------------|---------------------------------|
| 1                 | Anil Kumar Garg                                               | 474015,ABV-IIITM Gwalior,<br>Morena Link Road, NH #92,<br>Gwalior, Madhya Pradesh Pin -<br>474010 | 4000             | 90                              |

**Digging And Refilling - Hard Soil 300x300mm**

**(Minimum 50% Local Content required for qualifying as Class 1 Local Supplier)**

**तकनीकी विशिष्टियाँ /Technical Specifications**

|                               |                           |
|-------------------------------|---------------------------|
| <b>Specification Document</b> | <a href="#">View File</a> |
|-------------------------------|---------------------------|

**BOQ Detail Document**[View File](#)

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

**परेशिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity**

| क्र.सं./S.N<br>o. | परेशिती/रिपोर्टिंग<br>अधिकारी /Consignee<br>Reporting/Officer | पता/Address                                                                                       | मात्रा /Quantity | डिलीवरी के दिन/Delivery<br>Days |
|-------------------|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------|------------------|---------------------------------|
| 1                 | Anil Kumar Garg                                               | 474015,ABV-IIITM Gwalior,<br>Morena Link Road, NH #92,<br>Gwalior, Madhya Pradesh Pin -<br>474010 | 2000             | 90                              |

**Laying HDPE Pipes In Approved Route**

(Minimum 50% Local Content required for qualifying as Class 1 Local Supplier)

**तकनीकी विशिष्टियाँ /Technical Specifications****Specification Document**[View File](#)**BOQ Detail Document**[View File](#)

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

**परेशिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity**

| क्र.सं./S.N<br>o. | परेशिती/रिपोर्टिंग<br>अधिकारी /Consignee<br>Reporting/Officer | पता/Address                                                                                       | मात्रा /Quantity | डिलीवरी के दिन/Delivery<br>Days |
|-------------------|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------|------------------|---------------------------------|
| 1                 | Anil Kumar Garg                                               | 474015,ABV-IIITM Gwalior,<br>Morena Link Road, NH #92,<br>Gwalior, Madhya Pradesh Pin -<br>474010 | 6000             | 90                              |

**Laying 24-core Fiber Optic Cable In HDPE Pipes**

(Minimum 50% Local Content required for qualifying as Class 1 Local Supplier)

**तकनीकी विशिष्टियाँ /Technical Specifications**

|                               |                           |
|-------------------------------|---------------------------|
| <b>Specification Document</b> | <a href="#">View File</a> |
| <b>BOQ Detail Document</b>    | <a href="#">View File</a> |

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

**परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity**

| क्र.सं./S.No. | परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer | पता/Address                                                                              | मात्रा /Quantity | डिलीवरी के दिन/Delivery Days |
|---------------|---------------------------------------------------------|------------------------------------------------------------------------------------------|------------------|------------------------------|
| 1             | Anil Kumar Garg                                         | 474015,ABV-IIITM Gwalior, Morena Link Road, NH #92, Gwalior, Madhya Pradesh Pin - 474010 | 6000             | 90                           |

**Instal Fixing Of PVC Cond On Wall Laying Of Armd Fiber In Conduit Inside**

**(Minimum 50% Local Content required for qualifying as Class 1 Local Supplier)**

**तकनीकी विशिष्टियाँ /Technical Specifications**

|                               |                           |
|-------------------------------|---------------------------|
| <b>Specification Document</b> | <a href="#">View File</a> |
| <b>BOQ Detail Document</b>    | <a href="#">View File</a> |

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

**परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity**

| क्र.सं./S.No. | परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer | पता/Address                                                                              | मात्रा /Quantity | डिलीवरी के दिन/Delivery Days |
|---------------|---------------------------------------------------------|------------------------------------------------------------------------------------------|------------------|------------------------------|
| 1             | Anil Kumar Garg                                         | 474015,ABV-IIITM Gwalior, Morena Link Road, NH #92, Gwalior, Madhya Pradesh Pin - 474010 | 2000             | 90                           |

**Termination Of 2-core Fiber To FTTH Terminal Box On Wall**

**(Minimum 50% Local Content required for qualifying as Class 1 Local Supplier)**

**तकनीकी विशिष्टियाँ /Technical Specifications**

|                               |                           |
|-------------------------------|---------------------------|
| <b>Specification Document</b> | <a href="#">View File</a> |
| <b>BOQ Detail Document</b>    | <a href="#">View File</a> |

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

**परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity**

| क्र.सं./S.No. | परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer | पता/Address                                                                              | मात्रा /Quantity | डिलीवरी के दिन/Delivery Days |
|---------------|---------------------------------------------------------|------------------------------------------------------------------------------------------|------------------|------------------------------|
| 1             | Anil Kumar Garg                                         | 474015,ABV-IIITM Gwalior, Morena Link Road, NH #92, Gwalior, Madhya Pradesh Pin - 474010 | 128              | 90                           |

**Installation Of Route Markers On Fiber Path**

**(Minimum 50% Local Content required for qualifying as Class 1 Local Supplier)**

**तकनीकी विशिष्टियाँ /Technical Specifications**

|                               |                           |
|-------------------------------|---------------------------|
| <b>Specification Document</b> | <a href="#">View File</a> |
| <b>BOQ Detail Document</b>    | <a href="#">View File</a> |

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

**परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity**

| क्र.सं./S.No. | परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer | पता/Address                                                                              | मात्रा /Quantity | डिलीवरी के दिन/Delivery Days |
|---------------|---------------------------------------------------------|------------------------------------------------------------------------------------------|------------------|------------------------------|
| 1             | Anil Kumar Garg                                         | 474015,ABV-IIITM Gwalior, Morena Link Road, NH #92, Gwalior, Madhya Pradesh Pin - 474010 | 200              | 90                           |

**Fixing Outdoor Splitter And Distribution Encl On Existing Wall Etc**

**(Minimum 50% Local Content required for qualifying as Class 1 Local Supplier)**

**तकनीकी विशिष्टियाँ /Technical Specifications**

|                               |                           |
|-------------------------------|---------------------------|
| <b>Specification Document</b> | <a href="#">View File</a> |
| <b>BOQ Detail Document</b>    | <a href="#">View File</a> |

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

**प्रेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity**

| क्र.सं./S.No. | प्रेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer | पता/Address                                                                              | मात्रा /Quantity | डिलीवरी के दिन/Delivery Days |
|---------------|----------------------------------------------------------|------------------------------------------------------------------------------------------|------------------|------------------------------|
| 1             | Anil Kumar Garg                                          | 474015,ABV-IIITM Gwalior, Morena Link Road, NH #92, Gwalior, Madhya Pradesh Pin - 474010 | 45               | 90                           |

**OTDR Loss Testing Of All Backbone Fiber Links And Splitter Links**

(Minimum 50% Local Content required for qualifying as Class 1 Local Supplier)

**तकनीकी विशिष्टियाँ /Technical Specifications**

|                               |                           |
|-------------------------------|---------------------------|
| <b>Specification Document</b> | <a href="#">View File</a> |
| <b>BOQ Detail Document</b>    | <a href="#">View File</a> |

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

**प्रेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity**

| क्र.सं./S.No. | प्रेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer | पता/Address                                                                              | मात्रा /Quantity | डिलीवरी के दिन/Delivery Days |
|---------------|----------------------------------------------------------|------------------------------------------------------------------------------------------|------------------|------------------------------|
| 1             | Anil Kumar Garg                                          | 474015,ABV-IIITM Gwalior, Morena Link Road, NH #92, Gwalior, Madhya Pradesh Pin - 474010 | 1                | 90                           |

**Optical Power Measurement And Loss Report**

**(Minimum 50% Local Content required for qualifying as Class 1 Local Supplier)**

**तकनीकी विशिष्टियाँ /Technical Specifications**

|                               |                           |
|-------------------------------|---------------------------|
| <b>Specification Document</b> | <a href="#">View File</a> |
| <b>BOQ Detail Document</b>    | <a href="#">View File</a> |

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

**परिषेती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity**

| क्र.सं./S.No. | परिषेती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer | पता/Address                                                                              | मात्रा /Quantity | डिलीवरी के दिन/Delivery Days |
|---------------|---------------------------------------------------------|------------------------------------------------------------------------------------------|------------------|------------------------------|
| 1             | Anil Kumar Garg                                         | 474015,ABV-IIITM Gwalior, Morena Link Road, NH #92, Gwalior, Madhya Pradesh Pin - 474010 | 1                | 90                           |

**As-Built Drawings AutoCAD And PDF, Onsite Training And Handover Docs**

**(Minimum 50% Local Content required for qualifying as Class 1 Local Supplier)**

**तकनीकी विशिष्टियाँ /Technical Specifications**

|                               |                           |
|-------------------------------|---------------------------|
| <b>Specification Document</b> | <a href="#">View File</a> |
| <b>BOQ Detail Document</b>    | <a href="#">View File</a> |

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

**परिषेती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity**

| क्र.सं./S.No. | परिषेती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer | पता/Address                                                                              | मात्रा /Quantity | डिलीवरी के दिन/Delivery Days |
|---------------|---------------------------------------------------------|------------------------------------------------------------------------------------------|------------------|------------------------------|
| 1             | Anil Kumar Garg                                         | 474015,ABV-IIITM Gwalior, Morena Link Road, NH #92, Gwalior, Madhya Pradesh Pin - 474010 | 1                | 90                           |

## क्रेता द्वारा जोड़ी गई बिड की विशेष शर्तें/**Buyer Added Bid Specific Terms and Conditions**

### 1. **Generic**

OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity up to 25% of the contracted quantity during the currency of the contract at the contracted rates. The delivery period of quantity shall commence from the last date of original delivery order and in cases where option clause is exercised during the extended delivery period the additional time shall commence from the last date of extended delivery period. The additional delivery time shall be  $(\text{Increased quantity} \div \text{Original quantity}) \times \text{Original delivery period (in days)}$ , subject to minimum of 30 days. If the original delivery period is less than 30 days, the additional time equals the original delivery period. The Purchaser may extend this calculated delivery duration up to the original delivery period while exercising the option clause. Bidders must comply with these terms.

### 2. **Forms of EMD and PBG**

Bidders can also submit the EMD with Payment online through RTGS / internet banking in Beneficiary name

Director, ABV-IIITM, Gwalior

Account No.

945210110000969

IFSC Code

BKID0009462

Bank Name

Bank of India

Branch address

ABV-IIITM, Gwalior, Morena Link Road, Gwalior MP Pin-474015 Madhya Pradesh

. Bidder to indicate bid number and name of bidding entity in the transaction details field at the time of on-line transfer. Bidder has to upload scanned copy / proof of the Online Payment Transfer along with bid.

### 3. **Forms of EMD and PBG**

Successful Bidder can submit the Performance Security in the form of Payment online through RTGS / internet banking also (besides PBG which is allowed as per GeM GTC). On-line payment shall be in Beneficiary name

Director, ABV-IIITM, Gwalior

Account No.

945210110000969

IFSC Code

BKID0009462

Bank Name

Bank of India

Branch address

ABV-IIITM, Gwalior, Morena Link Road, Gwalior MP Pin-474015

. Successful Bidder to indicate Contract number and name of Seller entity in the transaction details field at the time of on-line transfer. Bidder has to upload scanned copy / proof of the Online Payment Transfer in place of PBG within 15 days of award of contract.

### 4. **Scope of Supply**

Scope of supply (Bid price to include all cost components) : Supply Installation Testing Commissioning of Goods and Training of operators and providing Statutory Clearances required (if any)

### 5. **Buyer Added Bid Specific ATC**

Buyer uploaded ATC document [Click here to view the file.](#)

### 6. **Buyer Added Bid Specific ATC**

Buyer Added text based ATC clauses

At page number 10 of this Bid Document the name of the material '**2U Chassis Based 16 Port XPON OLT With 16x10G XPON GPON Ports Class**' may kindly be read as "**1x16 Port OR 2x8 Port XPON OLT with 16x10G XPON/GPON ports, Class C+ optical modules (12 nos. of modules loaded)**".

**Atal Bihari Vajpayee Indian Institute of Information Technology and Management, Gwalior- 474015 (M.P.)**

## **NOTICE INVITING TENDER**

### **FOR THE SUPPLY, INSTALLATION, CONFIGURATION, TESTING, COMMISSIONING, AND MAINTENANCE OF GPON/XPON-BASED NETWORK CONNECTIVITY AT ABV-IIITM CAMPUS**

ABV-Indian Institute of Information Technology and Management (IIITM) Gwalior is an Institute of National Importance as per the IIIT Act of the Government of India. It is a Centrally Funded Technical Institute fully funded by the Ministry of Education, Government of India.

The Institute invites bids for the Supply, Installation, Testing, Commissioning, and Maintenance of GPON/XPON-based Network Connectivity at ABV-IIITM Campus. The selected vendor (Bidder/OEM) shall be responsible for delivering a fully functional, securely configured, and integrated GPON/XPON network system along with its associated components, onsite warranty and maintenance services for hardware and software-related support for THREE (03) Years from the date of successful commissioning of the products.

The Institute reserves the right to accept or reject any or all the Bids/Tenders without assigning any reason.

## **PRE-QUALIFICATION / ELIGIBILITY CRITERIA**

| S/N | Eligibility Criteria                                                                                                                                                                                                                                                                  | Attachments                                                                                                                                                          |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.  | The Bidder should be an established Networking solution provider and should have been engaged in similar IT projects/solutions business for a period of at least 3 years as on the last date of submission of the technical bid.                                                      | Certificate of incorporation and address proof of the registered office. Purchase order or work order for each of the last three financial years should be attached. |
| 2.  | The bidder should have at least Rs. 40 lakh average turnover per year from the last 3 financial years. (i.e. 2022-23, 2023-24, 2024-25)                                                                                                                                               | CA Certified turnover statement for the last three financial years as on 31.03.2025 shall be attached along with the bid.                                            |
| 3.  | The bidder should have executed at least 3 similar projects covering a similar scope of work, in Central/State Government/PSU/Autonomous bodies/government subsidiaries/private academic institutions/Public listed companies or any government organization in India during the last | A copy of the purchase orders and installation reports shall be submitted OR a letter of completion of the project should be submitted. The document                 |

|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                        |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | five years. Also, at least one work should be of Supply, Installation, Testing, and Commissioning (SITC) of GPON/XPON based Network Installation with at least 128 ONT devices in at least one Government Academic Institution for which the offer is being made. The bidder should have minimum one work order value of Rs. 80 Lakh or two work orders of value Rs. 60 lakh each or three work orders of Rs. 40 lakh each in the last 7 financial years as on 31.03.2025 for GPON/XPON based network installation. | should clearly mention the make, model, and capacity of the installed equipment, should be self-sufficient, and should have been issued by the client. |
| 4. | The Bidder and the OEM shall not be banned/blacklisted/defaulted by any State or Central Government/any other Government institutions in India, for any reason during the last 5 years from the submission of the Bid. A declaration is required to be submitted by the bidders on their company letterhead, duly signed by the authorized signatory of the company.                                                                                                                                                | Declaration as per attached Form - one each from OEM and the Vendor.                                                                                   |
| 5. | Manufacturer Authorization Form or Registered/Authorized Partner Certificate from the OEM of the OLT, ONT/ONU, Network Switch, and NMS/Controller.                                                                                                                                                                                                                                                                                                                                                                  | Copies of MAF or Registered/Authorized Partner Certificate from OEM. The authenticity of the MAF may be verified by the institute.                     |

|    |                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                           |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 6. | The vendor should have a GPON/XPON support team with proven credentials working under their payroll. The vendor should have engaged at least 2 such employees certified by the OEM for the products being offered. The OEM certificate issued to the employee should be attached with the bid. | OEM issued Certificate of each team member.                                                                                                                                                                                                               |
| 7. | Detailed Technical Proposal showing the understanding of the scope of work along with the statement of capabilities to execute the work order in a timely manner. The Proposal must include Data sheets of each item as quoted by the vendor.                                                  | Detailed technical proposal along with Network Diagram showing the GPON/XPON architecture, fiber routing plan, and the product brochure of the Quoted equipment. The datasheets should be highlighted to show compliance with the technical requirements. |

**Note:**

- All the details and the supportive documents for the above-mentioned clauses should be uploaded in the bid.
- Exemption clauses as per the GeM GTC/rules/norms are applicable.
- EMD (Earnest Money Deposit): Bidders must submit EMD as per GeM norms in the form of Demand Draft in favor of Director, ABV-IIITM Gwalior.

## SCOPE OF WORK FOR SUPPLY

2.1. The bidder/OEM shall furnish equipment (OLT, ONT/ONU, Network Switches, Fiber Optic Cables, and associated accessories) as specified in accordance with the Schedule of Requirements provided in Annexure-A and the Technical Specifications detailed in Annexure-B.

2.2. All equipment supplied must be brand new, fully functional, and operable, conforming to the specifications and requirements of this tender. No refurbished, used, or end-of-life products will be accepted.

2.3. The bidder/OEM shall be responsible for the supply, delivery, installation, testing, commissioning, and basic user handover of all systems at the locations specified by ABV-IIITM Gwalior.

2.4. The work shall be executed on a turnkey basis, which means that all components, modules, licenses, accessories, and necessary items for making the GPON/XPON network fully operational and integrated shall be supplied and installed within the quoted price. If any device needs a license for basic operation, such licenses should be provided on perpetual basis from the date of installation, and the institute will not pay any extra cost to the OEM or to the vendor for this.

2.5. If at the time of installation, it is found that additional hardware/software/licenses or other components are required for the complete configuration, which were not originally listed in the deliverables/BOM, the vendor shall supply the same at no additional cost.

2.6. In the event that any equipment is damaged during installation or handling at the site, the vendor shall be solely responsible for replacing the damaged hardware with a new, identical unit at no additional

cost to the Institute.

2.7. All items supplied under this tender—including OLT, ONT/ONU, Network Switches, and associated accessories—shall carry a comprehensive onsite warranty for a period of THREE (03) years from the date of successful installation and acceptance by the institute.

2.8. During the warranty period, the vendor shall provide full technical support including day-to-day troubleshooting, upgrades, and configuration assistance. A certified engineer must visit the institute quarterly for preventive maintenance for the entire 3-year support period.

2.9. The vendor must ensure that all required components are integrated and configured correctly. This includes but is not limited to GPON/XPON setup, OLT configuration, ONT provisioning, fiber terminations, and interface with existing network infrastructure.

2.10. The vendor shall provide relevant documents including OEM warranty certificate, license keys, passwords, activation details, installation checklist, fiber route documentation, and hardware serial number list at the time of delivery and acceptance.

2.11. The OEM must provide an undertaking that the quoted product will not be declared End-of-Life (EoL) or End-of-Support (EoS) for at least 3 years from the last date of bid submission.

2.12. If during the warranty period, any product reaches EoL or EoS and OEM recommends a replacement, the vendor must supply an equivalent or higher-spec device with continued warranty under the same terms and conditions.

2.13. If the device becomes incompatible with the latest firmware or software versions, the OEM/Vendor must replace it with an equivalent or better hardware unit at no additional cost to the institute.

2.14. The vendor shall provide all hardware and software upgrades, updates, and patches during the warranty and support period at no additional cost.

## **SCOPE OF WORK FOR INSTALLATION AND COMMISSIONING**

3.1. The bidder/OEM shall carry out installation and commissioning of the supplied GPON/XPON network systems at the designated site within the specified time frame.

3.2. The bidder/OEM shall maintain the cleanliness of the site and ensure the removal of all packaging and installation waste from the work site.

3.3. All required tools and materials for installation shall be arranged by the bidder/OEM at their own cost.

3.4. Any damage caused to the property of ABV-IIITM while executing the job shall be solely the Bidder/OEM/Vendor's responsibility. In case any damage occurs, the same will be recovered from the Bidder/OEM/Vendor. No extra cost shall be paid for such reasons.

3.5. The bidder/OEM shall install and configure the OLT, ONT/ONU devices, switches, and fiber optic network with proper terminations, splicing, testing, logging, and integration with authentication servers as applicable.

3.6. The installation and configuration should be made in accordance with the requirements of IIITM Gwalior and ensuring that it is seamlessly integrated with the existing network environment of the institute.

3.7. The vendor shall provide commissioning and integration support for THREE (03) years. Any software, hardware, or configuration issues during this period must be addressed without additional cost. Testing and commissioning reports with OTDR test results must be submitted after successful installation.

3.8. The appliances and accessories must be installed and configured as per the Technical Specifications

prescribed in this bid document or as per the requirements communicated to the vendor at the time of installation and commissioning.

3.9. The vendor must provide an escalation matrix with contact details for both OEM and themselves to be used during installation and commissioning.

3.10. The vendor should provide Onsite training sessions for the IT team of IIITM Gwalior on the operation, configuration, and management of the GPON/XPON system, ensuring the training covers advanced troubleshooting, OLT/ONT management, and best practices for network operations.

3.11. The vendor should provide training materials and user manuals for future reference.

3.12. The vendor should deliver comprehensive documentation, including: a) Installation and configuration reports b) Fiber route documentation and as-built drawings c) Network topology and settings d) OTDR test results e) UAT results f) Training materials.

## **INSPECTION AND TESTING**

4.1. All systems shall be tested for functional verification including OTDR testing of all fiber links in the presence of institute representatives.

4.2. The successful bidder shall be responsible for obtaining the installation and commissioning certificate (sign-off) upon completion of the work, in accordance with the scope of work and technical requirements.

4.3. The successful bidder shall be responsible for rectification of discrepancies identified by the TPA/authorized representative while conducting Site Acceptance Testing (SAT). After rectification, SAT will be re-conducted or signed off.

4.4. The comprehensive warranty and OEM support shall commence only after successful installation and formal acceptance by the institute.

4.5. During the warranty period, the bidder shall maintain the systems and repair or replace all defective components at the installation site, free of cost. The replacement must be of the same make and model, or of higher specifications certified by the OEM, if the original is not available. As far as possible, onsite resolution must be attempted.

## **SELECTION CRITERIA OF OEM**

5.1. The OEM must have its own registered office in India for at least the past 3 years, as of the date of bid submission.

5.2. All products quoted must be listed on the official global website of the OEM and all the technical specifications of the product should be verifiable on the official website of the OEM.

5.3. The bid must include a Manufacturer Authorization Form or a Registered/Authorized Partner Certificate from the OEM.

5.4. All declarations must be certified by the OEM/Bidder through their registered office in India.

## **MAINTENANCE OF SERVICES**

6.1. The bidder shall ensure repair/replacement of all faulty hardware material within 05 working days of

or the items/features not amounting to downtime and 01 working day for items/features amounting to downtime. Penalties may be imposed for non-compliance.

6.2. If any device experiences continuous failure (e.g., three or more times in a month), the vendor shall replace the faulty unit at no extra cost.

6.3. Failed hard disks or storage media shall be retained by the institute. Replacement media must be provided by the vendor without additional charges.

6.4. Vendor shall be fully responsible for importing and supplying any spares necessary for maintaining uptime. This includes all firmware and software updates during the warranty.

6.5. The vendor must quote equipment with 24x7 support and an 8-hour response time SLA. A local support engineer (preferably in Gwalior) shall be designated for on-site support calls.

6.6. The vendor should conduct periodic health checks and performance reviews.

6.7. Ensure compliance with all applicable cybersecurity standards and organizational policies.

6.8. The vendor should support the institute in implementing the existing network security guidelines from CERT-IN, Ministry of Electronics and Information Technology, or any other government agency.

## INSTRUCTIONS TO BIDDERS

7.1. The Bidder is advised to visit and examine the site(s) where the facilities are to be installed and its surroundings and obtain for itself on its own responsibility and cost all information that may be necessary for preparing the bid and entering into a contract for the supply and installation of the facilities. The cost of visiting the site shall be at the Bidder's own expense.

7.2. Proposed Locations: Residential Campus in Pocket A and B, ABV-IIITM Gwalior- 474010. Contact Person: Purchase, ABV-IIITM Gwalior (Contact No.: +91-0751-2449816)

7.3. Consortium/Joint Venture (JV) is not allowed to participate in this bid.

7.4. The supply, installation, testing, and commissioning must be completed within 90 days from the date of the confirmed purchase order. Bidders must confirm acceptance of this schedule in the Technical Bid.

7.5. The bidder must ensure warranty support and services are available at the delivery site. Contact details of the escalation matrix must be provided.

7.6. All quoted items must be OEM-supported and backed by comprehensive licenses and updates for the duration of the warranty.

7.7. The successful bidder shall, within 15 days from the date of award of the contract, furnish a Performance Bank Guarantee (PBG) for faithful performance of the contract. The Contract Performance Guarantee shall be 5% of the contract value and shall be valid till completion of the warranty period plus 90 days.

## PENALTY CLAUSE

### 8.1. Penalties for Delay in Delivery and Installation:

If the bidder fails to deliver and install the equipment within the specified time, a penalty of 0.5% of the contract value shall be levied per week of delay as Liquidated Damages (LD), up to a maximum of 10% of the total contract value.

8.2. Delay in excess of 6 weeks may lead to contract termination, and the Performance Bank Guarantee

e and/or EMD may be forfeited.

8.3. If any item is not supplied by the vendor, they shall bear the differential cost incurred by the institute in procuring the item.

8.4. For delays caused by ABV-IIITM or its units, no penalty will be imposed.

**8.5. Operational/Warranty Period Penalties:**

The following terms of service during the warranty period are applicable on the successful bidder:

- a) During the warranty, failure to resolve any software/feature/configuration-related complaint within 48 hours will attract penalties as follows: Rs. 500/- per day for network equipment/configuration/feature etc.
- b) If unresolved beyond 7 days, the penalty escalates to 150% (8th–14th day), and 200% from the 15th day onward.
- c) Any hardware-related failure or any failure that amounts to downtime of the institute's network services, the following penalty will be levied on the bidder:
  - No penalties to be drawn up to 48 hours after reporting the failure.
  - .

8.6. All such penalties would be deducted from any Bill/PBG/EMD/Security Deposit available with ABV-IIITM Gwalior.

8.7. During the period of contract, if the successful Bidder/Seller fails to perform and/or rectify any defect pointed out to them, the same shall be done by IIITM Gwalior at the risk and cost of Bidder/Seller and recovered from the Security Deposit/PBG or any other amount payable to the Bidder/Seller.

## PAYMENT TERMS

9.1. No advance payment(s) will be made in any case.

9.2. Payment will be made on successful delivery and UAT of all equipment and systems on submission of the original Bill/Invoice by the Service Provider.

9.3. Payment will be made as follows:

- a) 90% Payment will be made within 45 days of successful delivery, installation, Testing, & Commissioning of all the products as per the Scope of Work and acceptance by the institute.
- b) 10% at the end of the three year after satisfactory service.

9.4. The payment to the service provider would be made as per the agreed rates on production of all undisputed requisite documents/certificates along with the original bill.

9.5. Payment will be made after deducting TDS, Penalty etc. as applicable and reflected in the respective payment. The penalty, if any, shall be deducted from the PBG and/or balance payment due. The performance bank guarantee will be released, post-deposit of any penalty due to the Vendor.

9.6. There would be no increase in rates payable to the Bidder during the Contract period, except for any change in applicable GST.

9.7. Failure of the successful Bidder to comply with the above requirement of submission of PBG shall constitute sufficient grounds for the annulment of the award and forfeiture of the EMD/PBG. The Contractor shall be fully responsible for all matters arising out of the Performance of the Contract and shall, at their own expense, comply with all laws/acts/enactments/orders/regulations/obligations whatsoever of the Government of India, State Government, Local Body and any Statutory Authority.

## METHOD OF EVALUATION OF TECHNICAL BIDS

10.1. Bidder must fulfill the Pre-Qualification criteria and must individually provide the Pre-Qualification documents as documentary evidence. Proposals will be evaluated by a designated personnel/committee duly appointed by the Competent Authority of the institute.

10.2. The institute has the right to appoint any individual/organization as an expert member of this committee as long as the particular person does not have any conflict of interest in the bidding/evaluation process.

10.3. The institute also has the right to share the contents of the proposals or bids with the experts or consultants appointed for the purpose of evaluation of the bids, as the case may be.

10.4. The institute reserves the right to call any/all bidder(s) and/or OEM(s) for performing POC (Proof of Concept) for any or all of the technical compliance that has been shown "complied"/"partially complied" in the technical compliance sheet. Failure to demonstrate the overall performance or any of the compliance parameters will result in rejection of the technical bid.

10.5. The institute also reserves the right to relax any parameter or to accept any partially complied technical parameters.

10.6. All the documents submitted against the bid should stand correct and valid at the time of this evaluation. Any deviation in the documents submitted must be explicitly brought to the notice of the institute.

10.7. The result of the technical evaluation carried out by IIITM Gwalior shall be final in all aspects.

## PREMATURE TERMINATION OF CONTRACT

11.1. During the entire period of the contract, if at any point of time, Bidder fails to deliver the services as per the scope of work, due to any lapse/reason, Owner reserves the right to terminate the contract in full/partial by giving one (01) month advance notice for restoration of service/fault to the bidder and after one month Owner can terminate the contract if issue is still not resolved by the bidder by giving one-month notice for cancellation.

11.2. Owner also reserves the right to terminate the contract placed on the selected bidder in the following circumstances:

- The selected bidder commits a breach of any of the terms and conditions of the bid.
- If the bidder/OEM is unable to resolve any hardware/software/service-related issue for more than 1 month.
- If the Bidder becomes insolvent or goes into liquidation or receivership, whether compulsory or voluntary.
- If the Bidder, in the judgment of Owner, has engaged in corrupt or fraudulent practice in competing for or in executing this Contract.
- If the Bidder submits to Owner a false statement that has a material effect on the rights, obligations or interests of Owner.
- If the Bidder places itself in position of conflict of interest or fails to disclose promptly any conflict of interest to Owner.
- The progress made by the selected bidder is found to be unsatisfactory.
- Any offer falling short of the contract validity period is liable for rejection.

11.3. In case of termination/cancellation of the order, the Bidder will not be entitled to recover from Owner any amount by way of damages, loss or otherwise.

11.4. The decision of the Director, ABV-IIITM Gwalior, as to whether any of the events/contingencies mentioned in the previously mentioned clauses entitling the institute to terminate the contract has occurred shall be final and binding upon the bidder.

## **FORCE MAJEURE**

12.1. The right of the bidder to proceed with the work shall not be terminated because of any delay in the completion of the work due to unforeseeable causes beyond the control and without the fault or negligence of the contractor, including but not limited to acts of god, or of the public enemy, acts of the Government in its sovereign capacity, fires, floods, epidemics, pandemics, quarantine restrictions, strikes, freight embargoes, restraints of a sovereign state, or unusually severe weather conditions.

## **ARBITRATION**

13.1. Any claim, dispute, or difference arising out of or in connection with this agreement and which cannot be settled by mutual consultations shall be referred to sole Arbitration or an Arbitrator to be appointed by mutual consultations. The award of the Arbitrator shall be final and binding between the parties as per the terms and conditions of the Agreement to be executed on the award of the contract.

13.2. Notwithstanding any dispute between the parties, the agency shall not be entitled to withhold, delay, or defer its obligation under the contract, and the same shall be carried out strictly in accordance with the terms and conditions of the contract. Neither party shall be entitled to suspend the works, and payments to the Bidder shall continue to be made as provided by the contract.

13.3. The Arbitration proceeding shall be governed by the Arbitration and Conciliation Act, 1996, and shall be conducted in Madhya Pradesh.

13.4. Arbitration proceedings shall be held at Gwalior and the language of the arbitration proceedings and that of all documents and communications between the parties shall be English.

13.5. All arbitration awards shall be in writing and shall state the reasons for the award.

13.6. Penalty/Liquidated Damages shall not fall under the Arbitration clause.

## **AMENDMENT OF BIDDING DOCUMENTS**

14.1. At any time prior to the deadline for submission of bids, the institute may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, amend the Bidding Documents.

14.2. These amendments will be notified by a corrigendum on the GeM portal/official website. Bidders are required to immediately acknowledge receipt of any such amendment, and it will be assumed that the information contained therein will have been taken into account by the Bidder in its bid.

14.3. In order to afford a reasonable time to the prospective Bidders to take the amendment into account in preparing their bid, the institute may, at its discretion, extend the deadline for the submission of bids.

# TERMS AND CONDITIONS FOR SUBMISSION OF BIDS

15.1. The tender should be valid for a period of six Months (06 Months) from the date of opening of the tender.

15.2. All the tenders/Bids must be accompanied by the required security (EMD) as mentioned in tender document in the form of Demand Draft in favor of Director, ABV-IIITM Gwalior.

15.3. The competent authority of the Institute has every right to extend the due date of tender if so required but all the Bids/tenders will be opened together.

15.4. Deduction of T.D.S will be made as per Government rules.

15.5. Bids/Tenders deviating from above terms and Conditions will be rejected straight away without assigning any reason thereof.

15.6. All disputes are subject to the Jurisdiction of Gwalior court only.

15.7. The Institute has all right to reject any or all quotations/Tenders without assigning any reason.

15.8 Any query or representation regarding the bid or its process has to be made on the GeM portal. No other mode of communication, including letters and emails, will be entertained.

## BID DOCUMENTS CHECKLIST

| S.No | Eligibility Criteria                                              | Documents Required                                                                                                      | Page No. |
|------|-------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|----------|
| 1    | Established Networking solution provider for at least 3 years     | Certificate of incorporation ,address proof and work order or purchase order for each one of the last 3 financial years |          |
| 2    | Average turnover of Rs. 40 lakh for last 3 financial years        | CA Certified turnover statement                                                                                         |          |
| 3    | 3 similar projects + 1 GPON project with work orders as specified | Purchase orders and completion letters                                                                                  |          |
| 4    | Not blacklisted/banned declaration                                | Declarations from OEM and Vendor                                                                                        |          |
| 5    | Manufacturer Authorization Form                                   | MAF for OLT, ONT, Switch, NMS                                                                                           |          |

|    |                                                  |                                                   |  |
|----|--------------------------------------------------|---------------------------------------------------|--|
| 6  | GPON support team with 2 OEM-certified employees | OEM certificates of team members                  |  |
| 7  | Detailed Technical Proposal with network diagram | Technical proposal, datasheets, GPON architecture |  |
| 8  | OEM Office in India for 3+ years                 | Certificate of incorporation of OEM               |  |
| 9  | OEM Technical Specifications compliance          | OEM stamped and signed Annexure-B                 |  |
| 10 | PAN Card                                         | Copy of PAN                                       |  |
| 11 | GST Registration                                 | GST Registration Certificate                      |  |

**Note:**

- Any missing document may lead to rejection of the bid.

## ANNEXURE-A: SCHEDULE OF REQUIREMENTS

| S/No | Item Description                                                                                                                                                                                                            | Qty | UoM  |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|
| 1    | 1x16 Port OR 2x8 Port XPON OLT with 16x10G XPON/GPON ports, Class C+ optical modules (12 nos. of modules loaded)                                                                                                            | 01  | Nos. |
| 2    | Compatible GPON/EPON Wi-Fi 6 ONT with 4xGbe LAN ports, 802.11ax based WiFi with accessories, Dual Band. OLT and ONT should be from the same OEM.                                                                            | 150 | Nos  |
| 3    | NMS/Controller Software Installation, Configuration, compatible with the supplied GPON/XPON system, and should support management of the supplied OLT and ONT. It should support monitoring/management of third-party ONTs. | 1   | Nos  |
| 4    | Layer 3 Distribution Switch, 28 x 10G SFP+ Ports, removable fans, and Removable Dual Power Supply. Loaded with 8 LR SFP+ modules.                                                                                           | 1   | Nos  |

|    |                                                                                                                                                                                                                                                                                                                                           |      |     |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----|
| 5  | 1:16 PLC Splitter Housed in UV resistant Fiber Distribution Enclosure (IP54) Loaded with 1:16 PLC Splitter Pre-Terminated with SC/APC Connectors and Adaptors, Splice Tray.                                                                                                                                                               | 40   | Nos |
| 6  | 1:4 PLC Splitter Housed in Fiber Distribution Enclosure (IP54) Loaded with 1:4 PLC Splitter Pre-Terminated with SC/APC Connectors and Adaptors, Splice Tray.                                                                                                                                                                              | 6    | Nos |
| 7  | 2U 48 port LIU with Splice Tray, SC/APC Type Adaptors, Pigtail and Adaptor Plates -Type Metal and 24 Nos. of 3-meter LC-SC/APC Single Mode simplex Patch Cords, and 24 nos of 3-meter SC-SC/APC single mode duplex patch cords. The LIU acts as the fiber patch panel in the server room, cross-connecting the OLT to the backbone fiber. | 1    | Nos |
| 8  | Outdoor 3-way joint enclosure for 24-core OFC.                                                                                                                                                                                                                                                                                            | 10   | Nos |
| 9  | UV-resistant 24 Port, 4 way, outdoor wall mount fiber distribution box loaded with SC/APC pigtails, IP65 rating.                                                                                                                                                                                                                          | 6    | Nos |
| 10 | 2-meter SC-SC/APC single-mode armored simplex patch cords, uniform thickness not more than 5 mm                                                                                                                                                                                                                                           | 24   | Nos |
| 11 | 1-meter SC-SC/APC single-mode armored simplex patch cords, uniform thickness not more than 5 mm.                                                                                                                                                                                                                                          | 24   | Nos |
| 12 | 24 core single mode armored fiber cable, steel tape strip armoring. Fully compliance with ITU-T-G.652.D, 12 cores in each loose tube. Tensile strength of minimum 2500 N.                                                                                                                                                                 | 5000 | Mtr |
| 13 | 6 core single mode armored fiber cable, steel tape strip armoring. Fully compliance with ITU-T-G.652.D, Tensile strength of minimum 2500 N.                                                                                                                                                                                               | 1000 | Mtr |
| 14 | 2 core single-mode armored fiber cable, steel tape strip armoring. Fully compliance with ITU-T-G.652.D.                                                                                                                                                                                                                                   | 4000 | Mtr |
| 15 | Supply of HDPE pipe 32 MM.                                                                                                                                                                                                                                                                                                                | 6000 | Mtr |
| 16 | Supply of HDPE Duct Coupler and end plugs                                                                                                                                                                                                                                                                                                 | 100  | nos |
| 17 | PVC channel/conduit UV-treated 25mm                                                                                                                                                                                                                                                                                                       | 2000 | Mtr |
| 18 | SC/APC Pigtails                                                                                                                                                                                                                                                                                                                           | 200  | Nos |
| 19 | SC-SC/APC Patch Cords (3 Mtr)                                                                                                                                                                                                                                                                                                             | 200  | Nos |
| 20 | Supply and installation of GI based Route Markers across the Fiber route.                                                                                                                                                                                                                                                                 | 200  | Nos |

|    |                                                                                                                                                                                                                                                                                       |     |     |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|
| 21 | Supply installation and fixing of 3 mtr octagonal pole with thickness 5 mm along with creation of 400 × 400 × 900 mm RCC foundation (M20).                                                                                                                                            | 5   | Nos |
| 22 | 2 core FTTH terminal box                                                                                                                                                                                                                                                              | 150 | Nos |
| 23 | Supply of a qualified technical manpower for 12 months along with all necessary tools for fixing of cable issues, hardware issues and troubleshooting installations or migrations. Manpower should be available at least 3 days every week or on the next day after a reported fault. | 1   | Nos |

### GPON Job Work (as per actual)

| S/No | GPON Job Work (as per actual)                                                                                               | Qty  | UoM |
|------|-----------------------------------------------------------------------------------------------------------------------------|------|-----|
| 1    | Digging and refilling of Soft Soil (300mmx300mm)                                                                            | 4000 | Mtr |
| 2    | Digging and refilling of Hard Soil (300mmx300mm)                                                                            | 2000 | Mtr |
| 3    | Laying of HDPE pipes in the approved and finalized route.                                                                   | 6000 | Mtr |
| 4    | Laying of 24 core fiber optic cable in HDPE pipes                                                                           | 6000 | Mtr |
| 5    | Laying of 2 core armored fiber optic cables on walls in PVC channel/conduit and inside the residential units.               | 2000 | Mtr |
| 6    | Termination of 2 core fiber cable to FTTH terminal box on the wall.                                                         | 128  | Nos |
| 7    | Installation of route markers on the fiber path.                                                                            | 200  | Nos |
| 8    | Fixing of outdoor fibre optic splitter enclosure and outdoor fibre optic distribution enclosure along with foundation/pole. | 45   | Nos |

## TESTING & COMMISSIONING

| S.No | Description                                                                               | Qty | Unit |
|------|-------------------------------------------------------------------------------------------|-----|------|
| 1    | OTDR Loss Testing of All Backbone Fiber Links and Splitter links                          | 1   | Job  |
| 2    | Optical Power Measurement & Loss Report                                                   | 1   | Job  |
| 3    | Submission of As-Built Drawings (AutoCAD & PDF), Onsite Training & Handover Documentation | 1   | Job  |

## ANNEXURE-B: DETAILED TECHNICAL SPECIFICATIONS

**NOTE:** All technical specifications must be certified by the OEM on their official letterhead with stamp, signature, and contact details. Bidders must provide datasheets accessible via OEMs website highlighting compliance with each specification.

### 1. XPON OLT (Optical Line Terminal) - Quantity: 01

#### A. Hardware Specifications

| Sl. No. | Parameter      | Minimum Required Specification                                      |
|---------|----------------|---------------------------------------------------------------------|
| 1       | PON Interfaces | 16 × XGS-PON and GPON Combo Ports (Total)                           |
| 2       | Uplink Ports   | Minimum 4 × 10G SFP+ Ports                                          |
| 3       | Management     | Dual redundant Management with 1 × RJ45 Out-of-Band Management Port |
| 4       | Console Port   | 1 × RJ45/USB Console Port                                           |
| 5       | Alarm Port     | 1 × Alarm Interface Port                                            |
| 6       | Power Supply   | Dual Power Supply Support: AC or DC                                 |
| 7       | Form Factor    | 19-inch Rack Mountable                                              |
| 8       | Warranty       | 3 years comprehensive onsite warranty                               |

## B. PON Port Requirements

| Sl. No. | Parameter                     | Minimum Requirement                             |
|---------|-------------------------------|-------------------------------------------------|
| 1       | Technology                    | GPON (ITU-T G.984.x) & XGS-PON (ITU-T G.9807.1) |
| 2       | Maximum Split Ratio (GPON)    | Up to 1:128                                     |
| 3       | Maximum Split Ratio (XPON)    | Up to 1:256                                     |
| 4       | Maximum Transmission Distance | 20 km                                           |
| 5       | GPON Data Rate                | Downstream: 2.5 Gbps / Upstream: 1.25 Gbps      |
| 6       | XPON Data Rate                | Downstream: 9 Gbps / Upstream: 9 Gbps           |

## C. Software & Functional Features

- Security Features: ACL Support, IEEE 802.1X Authentication, ARP Inspection, IP Source Guard
- DHCP Features: DHCP Server, DHCP Relay
- OMCI & ONU Management: Standard OMCI Management, ONU Auto Authentication, Rogue ONU Detection & Isolation
- Multi-Service & QoS: Traffic Identification & Rate Limiting, IEEE 802.1p / DSCP Based QoS, Voice VLAN, Auto VoIP
- Routing, Multicast Features: IGMP Snooping, MLD Snooping, Static Routing
- Centralized Management: Large-Scale Device Management, Batch Configuration, Batch Upgrade, Multi-Site Management, Intelligent Monitoring, Real-Time Network Overview

## 2. GPON/EPON Wi-Fi 6 ONT (Optical Network Terminal) - Quantity: 150

### A. Hardware Specifications

| Sl. | Parameter | Minimum Required Specification |
|-----|-----------|--------------------------------|
|-----|-----------|--------------------------------|

| No. |               |                                           |
|-----|---------------|-------------------------------------------|
| 1   | PON Interface | 1 × GPON/EPON Port (SC/APC or equivalent) |

|   |                       |                                                     |
|---|-----------------------|-----------------------------------------------------|
| 2 | WAN/LAN Port          | 1 × 10/100/1000 Mbps Auto-Negotiation WAN/LAN Port  |
| 3 | LAN Ports             | 3 × 10/100/1000 Mbps Auto-Negotiation LAN Ports     |
| 4 | Voice Port            | 1 × FXS Phone Port                                  |
| 5 | USB Interface         | 1 × USB 2.0 Port                                    |
| 6 | Buttons               | WPS/Wi-Fi Button, Reset Button, Power On/Off Button |
| 7 | External Power Supply | 12V DC, 1.5A Adapter                                |
| 8 | Antenna               | 4 × External Antennas                               |
| 9 | Mounting              | Desktop / Wall Mount Should Support                 |

## B. Wireless Specifications

- Standards: IEEE 802.11a/n/ac/ax (5 GHz), IEEE 802.11b/g/n/ax (2.4 GHz)
- Frequency Bands: Dual Band (2.4 GHz & 5 GHz)
- Performance: 5 GHz up to 2400 Mbps (HE160), 2.4 GHz up to 500 Mbps (HE40)
- Channel Bandwidth: Support 20/40/80/160 MHz
- Features: Multi-SSID (Min 2 per band), WMM QoS, Fast Roaming (802.11k/v/r), EasyMesh Compatible
- Security: WPA, WPA2, WPA3, Client Isolation, MAC Filtering
- Transmission Power: 2.4 GHz ≤ 20 dBm, 5 GHz ≤ 23 dBm (Regulatory Compliant)

## C. Management & Advanced Features

- Local Management: Web GUI, HTTPS Support
- Remote Management: OMCI, TR-069, TR-369, TR-098, TR-181, TR-111, TR-143, ACS Integration
- Network Features: DHCP Server/Client/Relay, Static Routing, DNS Relay, Dynamic DNS, IGMP v1/v2/v3
- Security Features: NAT Firewall, ACL, MAC/IP/URL Filtering, IP & MAC Binding, DoS Protection, SYN Flood Protection
- QoS: Hardware QoS, Flow Classification, Rate Limiting per Client/Service
- Port Forwarding: Virtual Server, Port Triggering, DMZ, ALG, UPnP
- VPN Pass-Through: PPTP, L2TP, IPSec
- Protocol Support: IPv4, IPv6, Dual Stack

## 3. Layer 3 Distribution Switch - Quantity: 01

| Sl. No. | Parameter              | Minimum Required Specification                               |
|---------|------------------------|--------------------------------------------------------------|
| 1       | Ports                  | 28× 1/10G SFP+ Slots (8 SFP+ LR modules loaded)              |
| 2       | Console & Management   | 1× USB 3.0 Port, 1× RJ45 Console Port                        |
| 3       | Fans                   | Four field-replaceable hot-swappable fans                    |
| 4       | Power Supply           | Two field-replaceable hot-swappable redundant power supplies |
| 5       | Switching Capacity     | Minimum 560 Gbps non-blocking                                |
| 6       | Packet Forwarding Rate | Minimum 500 Mpps                                             |
| 7       | MAC Address Table      | 128K entries                                                 |
| 8       | Packet Buffer Memory   | 8 MB                                                         |
| 9       | Jumbo Frame            | 9 KB                                                         |

|    |                       |                                                                     |
|----|-----------------------|---------------------------------------------------------------------|
| 10 | Priority Queues       | 8 Queues with IEEE 802.1p, DSCP Priority                            |
| 11 | IP Interfaces         | Minimum 256                                                         |
| 12 | Routing Protocols     | RIP, RIPNG, OSPF, VRRP                                              |
| 13 | ARP Entries           | Minimum 16K                                                         |
| 14 | DHCP                  | DHCP Server, DHCP Relay                                             |
| 15 | Security & Management | LAGG, STP, SNMP, 802.1X, Port-based authentication, VLAN assignment |

#### 4. NMS/Controller Software - Quantity: 01

##### A. Essential NMS/Controller Features

- Installation: On-premises installation (Virtual or Physical Appliance)
- Compatibility: Must support management of supplied OLT and all ONT devices
- Third-Party Support: Should support monitoring/management of third-party ONTs
- Device Discovery: Auto-discovery of OLT and ONT devices
- Configuration Management: Centralized configuration, batch configuration, template-based provisioning
- Monitoring: Real-time monitoring of OLT/ONT status, optical power levels, link status, bandwidth

h utilization

- Fault Management: Alarm monitoring, event logging, notification (email/SMS/SNMP trap)
- Performance Management: Historical data collection, trend analysis, capacity planning reports
- Topology View: Graphical network topology with OLT-ONT relationships
- User Management: Role-based access control (RBAC), multi-user support
- Reporting: Pre-defined and custom reports, scheduled report generation
- Database: Embedded or external database for storing configuration and historical data
- API: RESTful API for integration with other systems

## **5. ADDITIONAL REQUIREMENTS FOR ALL EQUIPMENT**

### **A. General Requirements**

- All products must be brand new, latest generation, and currently in production
- All equipment must be from the same OEM for OLT and ONT to ensure compatibility
- All products must be listed on the OEM's official global website with datasheets
- All equipment must be verifiable through OEM website and support channels
- No End-of-Life (EoL) or End-of-Support (EoS) declaration for at least 3 years from bid submission date
- OLT, ONT and Network Switch should be from MII Class 1 (more than 50% local content) as per latest MII guidelines.
- Any other extra works including accessories and low side works to be included in the price bid BoQ.
- All the device inter connectivity / compatibility and working should be ensured by the vendor before installation. The existing network and server room setup is open for visit during all working days between 10:00 AM to 6:00 PM. The vendor at their own risk and cost should make good of any shortcomings to commission the project successfully. The project should be considered as a Turn Key project.

### **B. Warranty Requirements**

- Comprehensive onsite warranty: THREE (03) years from date of installation and acceptance
- Warranty must include: Hardware replacement, Software/Firmware updates, Configuration support, Technical support
- 24x7 Support with 8-hour response time SLA
- Quarterly preventive maintenance visits by certified engineer
- Local support engineer (preferably in Gwalior or Madhya Pradesh)

### **C. Compliance & Certifications**

- ITU-T G.652.D compliance for all fiber optic cables
- ITU-T G.984.x (GPON) and G.9807.1 (XGS-PON) compliance
- IEEE 802.11ax (Wi-Fi 6) compliance for ONT devices
- IPv6 Ready Logo certification (preferred)
- CE, FCC, RoHS compliance
- Indian regulatory compliance (WPC, TEC as applicable)

## D. Documentation Requirements

- Complete installation and configuration manuals
- User manuals and quick start guides
- As-built drawings in AutoCAD and PDF format
- OTDR test reports for all fiber links
- Optical power measurement reports
- Network topology documentation
- Training materials and presentations

### COMPLIANCE DECLARATION:

The OEM must accept all technical specifications outlined in this Annexure-B by signing and stamping this document on their official letterhead containing contact information. Any deviation must be clearly mentioned and justified.

**Note:** The bidder must demonstrate all features through Proof of Concept (POC) if requested by the institute during technical evaluation. Failure to demonstrate will result in rejection of the bid.

## 7. Turnover

**Bidder Turn Over Criteria:** The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.

## 8. Turnover

**OEM Turn Over Criteria:** The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria. In case of bunch bids, the OEM of CATEGORY RELATED TO primary product having highest bid value should meet this criterion.

## 9. Past Project Experience

**Proof for Past Experience and Project Experience clause:** For fulfilling the experience criteria any one of the following documents may be considered as valid proof for meeting the experience criteria: a. Contract copy along with Invoice(s) with self-certification by the bidder that service/supplies against the invoices have been executed. b. Execution certificate by client with contract value. c. Any other document in support of contract execution like Third Party Inspection release note, etc. **Proof for Past Experience and Project Experience clause:** For fulfilling the experience criteria any one of the following documents may be considered as valid proof for meeting the experience criteria: a. Contract copy along with Invoice(s) with self-certification by the bidder that service/supplies against the invoices have been executed. b. Execution certificate by client with contract value. c. Any other document in support of contract execution like Third Party Inspection release note, etc.

## 10. Generic

After award of contract – Successful Bidder shall have to get Detailed Design Drawings approved from buyer before starting fabrication. Successful Bidder shall submit Detailed Design Drawings for Buyer's approval, within 10 days of award of contract. Buyer shall, either approve the drawings or will provide complete list of modification required in the drawings within 10 days. Seller shall be required to ensure supply as per approved Drawings with modifications as communicated by Buyer. If there is delay from buyer side in approval of drawing– the delivery period shall be refixed without LD for the period of delay in approval of Drawing.

## अस्वीकरण/Disclaimer

The Additional Terms and Conditions (ATC) have been incorporated by the Buyer after approval of their Competent Authority. The Buyer, is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any restriction arising in the bidding process due to these ATCs and including the modification of technical specifications and / or terms and conditions governing the bid. All representations / grievances pertaining to the ATC clauses shall be raised with the buyer organization directly and not with GeM. If any of the clause(s) is/are incorporated by the Buyer regarding the following, the bid & resultant contract shall be treated as null & void. Further, GeM reserves the right, at its sole discretion, to cancel the bid forthwith, without issuance of any prior notice or intimation :-

1. Publishing Custom / BOQ bids for items for which regular GeM categories are available (unless such Custom / BOQ item is bunched with the major regular product Category Item).
2. Mandating procurement of / from specific Brand / Make / Model / Manufacturer / Dealer except in case of Single Bid / Proprietary Article Certificate (PAC) Buying.
3. Inclusion of disqualification criteria related to suspension of seller / service provider, where such suspension period has already expired.
4. Mandating submission of documents (other than EMD and signed Integrity Pact - which can be submitted within 5 days of bid opening) in physical form as a pre-requisite to qualify bidders.
5. Publishing bids on GeM for procurement of works.
6. Procurement of Goods by creating a Service bid on GeM & vice-versa.
7. Seeking sample with bid or approval of samples during bid evaluation process. However, trial / sample, as the case may be, shall be permitted in cases where trial / sample are allowed as per approved and published procurement policy of the Buyers' controlling Ministry / Department / State / Public Sector Enterprises Headquarters. If there is any violation of trial / sample clause with regard to approved policy of the Buyers' Ministry / Department / State / Public Sector Enterprises Headquarters, then this is to be determined and redressed by the concerned Buyer Organisation only.
8. Seeking experience from specific organization / department / institute only or from foreign / export experience.
9. Creating bid for items from incorrect categories.
10. Reference of conditions published on any external site or reference to external documents/clauses.
11. Asking for any Tender fee / Bid Participation fee, as the case may be.
12. Buyer added ATC Clauses which are in contravention of clauses defined in bid detail section, including specifications, EMD Detail, ePBG Detail and MII and MSE Purchase Preference sections of the bid, unless otherwise allowed by the applicable GeM GTC.
13. Any ATC clause in contravention with GeM GTC Clause 4 (xiii) (h) will be invalid. In case of multiple L1 bidders against a service bid, the buyer shall place the Contract by selection of a bidder amongst the L-1 bidders through a Random Algorithm executed by GeM system.
14. In a category based bid, adding additional items, through buyer added, additional scope of work/ additional terms and conditions/or any other document. If buyer needs more items along with the main item, the same must be added through bunching category based items or by bunching custom catalogues or bunching a BoQ with the main category based item, the same must not be done through ATC or Scope of Work.

Further, if any seller has any objection/grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

**All GeM Sellers/Service Providers shall ensure full compliance with all applicable labour laws, including the provisions, rules, schemes and guidelines under the four Labour Codes i.e. the Code on Wages, 2019; the Industrial Relations Code, 2020; the Occupational Safety, Health and Working Conditions Code, 2020; and the Code on Social Security, 2020 as and when notified and brought into force by the Government of India.**

**For all provisions of the Labour Codes that are pending operationalisation through rules, schemes or notifications, the corresponding provisions of the pre-existing labour enactments (such as The Minimum Wages Act, 1948, The Payment of Wages Act, 1936, The Payment of Bonus Act, 1965, The Equal Remuneration Act, 1976, The Payment of Gratuity Act, 1972, etc. and relevant State Rules) shall continue to remain applicable.**

**The Seller/ Service Providers shall, therefore, be responsible for ensuring compliance under:**

- **All notified and enforceable provisions of the new Labour Codes as mentioned hereinabove; and**
- **All operative provisions of the erstwhile Labour Laws until their complete substitution.**

**All obligations relating to wages, social security, safety, working conditions, industrial relations etc. and any other statutory requirements shall be strictly met by the Seller/ Service Provider. Any non-compliance shall constitute a breach of the contract and shall entitle the Buyer to take appropriate action in accordance with the contract and applicable law.**

**This Bid is governed by the General Terms and Conditions, conditions stipulated in Bid and Service Level Agreement specific to the Service, as the case may be, as provided in the Marketplace.**

**However, in case of Service, if any condition specified in General Terms and Conditions is contradicted by the conditions stipulated in Service Level Agreement specific to said Service, then it will over-ride the conditions in the General Terms and Conditions.**

[यह बिड सामान्य शर्तों के अंतर्गत भी शासित है /This Bid is also governed by the General Terms and Conditions](#)

जेम की सामान्य शर्तों के खंड 26 के संदर्भ में भारत के साथ भूमि सीमा साझा करने वाले देश के बिडर से खरीद पर प्रतिबंध के संबंध में भारत के साथ भूमि सीमा साझा करने वाले देश का कोई भी बिडर इस निविदा में बिड देने के लिए तभी पात्र होगा जब वह बिड देने वाला सक्षम प्राधिकारी के पास पंजीकृत हो। बिड में भाग लेते समय बिडर को इसका अनुपालन करना होगा और कोई भी गलत घोषणा किए जाने व इसका अनुपालन न करने पर अनुबंध को तत्काल समाप्त करने और कानून के अनुसार आगे की कानूनी कार्यवाई का आधार होगा।/In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws.

**---धन्यवाद/Thank You---**