



बैंक नोट पेपर मिल इण्डिया प्रा. लिमिटेड

BANK NOTE PAPER MILL INDIA PVT LIMITED

JV of SPMCIL - A Govt. of India Enterprises & BRBNMPL - A Subsidiary of RBI

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LIMITED TENDER ENQUIRY No: BNPM/LTE/MICROSCANNER/1285/2019-20

Starting date: 19.03.2020; 1700 Hrs

Closing date: 26.03.2020; 1100 Hrs

Ext No.1 Closing Date: 05.04.2020; 1100 Hrs

Ext No.2 Closing Date: 15.04.2020; 1100 Hrs

Ext No.3 Closing Date: 25.04.2020; 1100 Hrs

Ext No.4 Closing Date: 05.05.2020; 1100 Hrs

A. Scope of work:

Supply of Micro scanner PoE Cable Verifier at BNPMIPL, Mysuru.

S No.	Item Description	UoM	Quantity
1	Micro scanner POE Cable Verifier (Model: MS-POE)	Nos	01

B. Terms & Conditions:

1. Documents to be submitted:

- Signed copy of this document (All the pages).
- Filled price details as per the format provided below at point 15.
- Technical details /datasheet for the enquired product (if applicable).
- Micro / Small Enterprise (Certificate issued by MSME)/UAM/NSIC certificate (If applicable).

2. Price: Price shall be inclusive of P&F, Insurance, Freight and GST. Price shall remain fixed & no price variation shall be accepted till pendency of contract.

3. Terms of Payment:

100% within 30 days upon receipt and acceptance of goods at BNPM Plant, Mysuru and on production of all required documents by the supplier. Warranty certificate (if applicable) and NEFT/RTGS details shall be furnished along with the Original Invoice.

4. Delivery Terms & Delivery Address: Delivery shall be made on F.O.R Basis, Bank Note Paper Mill India Pvt. Ltd., Mysore.

Delivery Address: Engineering Stores, Bank Note Paper Mill India Pvt. Ltd., Note Mudran Nagar, Mysore - 570003. Stores contact details: 0821-2401476/486.

5. Taxes: All Taxes shall be as applicable in GST regime.

Payment of CGST, SGST, IGST & UTGST: The suppliers are required to adhere the following procedure in order to honour the payment against CGST, SGST, IGST & UTGST in the invoice.



- i) An invoice issued by the vendor for goods or services or both as applicable should be in accordance with the provisions of Sec 31 of the CGST Act & should contain all the prescribed information's in accordance with Chapter VI of CGST rules 2017.
- ii) A debit note issued if any, by the vendor should be in accordance with the provisions of Sec 34 of the CGST Act.
- iii) The vendor should mandatorily upload the aforementioned documents in respective GSTR, details of outward supplies of goods or services as applicable within the prescribed time under GST Act.
- iv) The vendor should provide the relevant documents to confirm the tax charged on the invoice has been paid to the credit of government after adjusting the ITC if any.

Notwithstanding the above, the supplier should provide indemnification as follows:

In the event of non-compliances with respect to GST Act & Rules by the successful bidder, the purchaser is allowed to adjust the GST amount from retention amount (either in BG or in cash) held by the company. If no amount is available for recovery, the successful bidder will refund the GST liability within 10 days from the date of GST reversal in GSTRN.

The above requirements are mandatory to claim any GST liability, falling which, the GST liability will not be paid /reimbursed/accepted.

6. **Warranty:** The product supplied shall be under warranty for 12 months from the date of receipt of material at BNPM, Mysuru for any manufacturing defects & poor workmanship. If the applicable warranty period is less than 12 months then the same has to be mentioned at the appropriate place provided in this enquiry document
7. **Liquidated Damages (LD):** Liquidated damages shall be applicable at the rate of 0.5% per week or part thereof until actual delivery or performance, subject to a maximum deduction of 10% of the delayed good's /service's contract price.
8. **Delay in supplier's performance:** Time for and the date specified in the contract or as extended for the delivery of the stores shall be deemed to be the essence of the contract and the supplier shall deliver the goods and perform the services under the contract within the time schedule specified by BNPM in the contract.

Any delay attributable to the supplier in maintaining its contractual obligations towards delivery of goods and performance of services shall render the supplier liable to any or all the following sanctions besides any administrative action such as (a) Imposition of liquidity damages; (b) Termination of contract for default.
9. **Extension of Time:** If the contract is delayed in the progress of work by changes ordered in the work, or any clause which BNPM shall decide to justify the delay, then the time of completion shall be extended by a reasonable time.

If at any time during the currency of contract, the supplier encounters conditions hindering timely delivery of the goods and performance of services, the supplier shall promptly inform BNPM in writing about the same and its likely duration and make a request to BNPM for



extension of the delivery schedule accordingly. On receiving the supplier's communication, BNPM shall examine the situation as soon as possible and, at its discretion, may agree to extend the delivery schedule, with or without liquidated damages for completion of supplier's contractual obligations by issuing an amendment to the contract.

- 10. Risk Purchase Clause:** If the supplier fails to abide by the terms and conditions of the contract/agreement, or fails to supply the material as per the delivery schedule or any time repudiates the contract,

Procure the tendered item / render service from other agencies at the risk and cost of the supplier. The cost difference between the alternative arrangement and existing contract value wherein default has been made will be recovered from the supplier along with the other incidental charges.

In case of procurement through alternative sources, if procurement price is lower than the existing contract value wherein default has been made, in such case no benefit on this account will be passed on to the supplier.

- 11. Settlement of Disputes through Arbitration:** All disputes and differences of any kind whatsoever arising out of or in connection with the contract, whether during the progress of the work or after their completion except accepted matters shall be settled through arbitration process as per the Arbitration & Conciliation Act, 1996. The venue of arbitration shall be Mysore, Karnataka.

- 12. Legal Jurisdiction:** The Courts of Mysore (Karnataka State) shall alone have jurisdiction to decide on any legal matter of dispute whatsoever arising out or in respect of the contract.

- 13. Force Majeure:** In the event of any unforeseen event directly interfering with the supply of stores arising during the currency of the contract, such as war, hostilities, acts of the public enemy, civil commotion, sabotage, fires, floods, explosions, epidemics, quarantine restrictions, strikes, lockouts, or acts of God, the Contractor shall, within a week from the commencement thereof, notify the same in writing to the Purchaser with reasonable evidence thereof. Unless otherwise directed by BNPM in writing, the supplier shall continue to perform its obligations under the contract as far as reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the

Force Majeure event. If the force majeure condition(s) mentioned above be in force for a period of 90 days or more at any time, either party shall have the option to terminate the contract on expiry of 90 days of commencement of such force majeure by giving 14 days' notice to the other party in writing. In case of such termination, no damages shall be claimed by either party against the other, save and except those which had occurred under any other clause of this contract prior to such termination.

- 14. Rights of Rejection:** BNPMIPL reserves the right to reject any or all the applied bids without assigning any reason whatsoever. The enquiry can be rejected on national security grounds.



Datasheet: MicroScanner™ Cable Verifier Series

Industry economics require that installations be done fast and accurately with little to no callbacks. And converging voice, data, and video technologies as well as the ever growing "Internet of Things" has given rise to new requirements for service testing and multimedia support.

The MicroScanner™ Series acknowledges these growing trends and streamlines every aspect of the verification job. From its time-saving user interface and integrated multimedia support to its expanded service detection capabilities, MicroScanner2 and MicroScanner PoE give technicians the power to perform their jobs faster and more accurately than ever.



Troubleshoot PoE based systems

The MicroScanner PoE makes testing your PoE based communication cabling fast, easy, and clear. The tester reports the maximum power class the switch can provide under 802.3af, 802.3at, and 802.3bt specifications and displays the 802.3 PoE class (0-8) or the voltage from passive PoE sources. This allows technicians to verify the exact issues that may be affecting a PoE based installation. The MicroScanner PoE also provides information on available services up to 10G Ethernet ensuring that your network is capable of performing to your needs.

Verify cables and connections

Today's communications technicians have more problems to deal with than just the cabling. They have to rule out a whole host of cable and service issues before determining the cause of a connectivity problem. Where is the cable broken? Are all the wires properly terminated? Is there a switch at the far end? Is PoE available?

MicroScanner² and MicroScanner PoE provides technicians the vision to verify today's most common voice, data, and video services.

Reduce test time and user error

Yesterday's [cable verification testers](#) force users to toggle between different modes (up to four) to view all test results. This not only slows the test process, but also causes user frustration and error. MicroScanner Series has defied this convention by displaying key test results – wiremap, pair lengths, distance to fault, cable ID, and far-end devices – all on one screen.

Locate elusive cables in seconds

The MicroScanner Series features built-in IntelliTone™ digital and analog toning to precisely locate virtually any cable or wire pair, regardless of work environment. Use digital mode to locate high-grade data cabling (Cat 5e/6/6A) in bundles, or at switches, patch panels, or wall outlets. Or, use analog mode on voice-grade cabling (Cat 3 and below), as well as coax (MicroScanner² only), security/alarm, and speaker wiring.

Repair or replace tools less often

With all the abuse you put your tools through, you can't afford for them to be delicate. The MicroScanner Series features a rubber wrap-around holster that makes it the right tool for even the toughest jobs. Toss it into your toolbox. Drop it from a ladder. It can handle it. It even comes standard with a vinyl carry pouch for enhanced protection and convenience. The optional MAG-KIT (included with selected models noted below) provides a powerful magnetized strap that lets you hang your MicroScanner from racks, cable trays or organizers.

MicroScanner PoE



MicroScanner² Cable Verifier



Ordering Information	
MicroScanner PoE and MicroScanner ² Kits	
Model	Description
MS-POE	MicroScanner PoE Verifier with MS-POE Wiremap Adapter, multi-language Getting Started Guide, batteries, and Fluke Networks carry Pouch
MS-POE-KIT	MicroScanner PoE Verifier with MS-POE Wiremap Adapter, IntelliTone Pro 200 Probe, RJ45 Remote IDs #2-7, Patch cords (Shielded RJ45 and RJ11), multi-language Getting Started Guide, batteries, Magnetic Strap Attachment, and deluxe Fluke Networks carry case
MS2-100	MicroScanner ² Cable Verifier with main wiremap adapter, multi-language Getting Started Guide, batteries, and Fluke Networks carry pouch
MS2-KIT	The MicroScanner ² Professional Kit Includes MicroScanner ² Cable Verifier with main wiremap adapter, IntelliTone™ Pro 200 Probe, Remote Identifiers #2-7, patch cords (shielded RJ45, RJ11, coax), multi-language Getting Started Guide, batteries, Magnetic Strap Attachment, and deluxe Fluke Networks carry case
MS2-TTK	The MicroScanner ² Termination Test Kit Includes MicroScanner ² Cable Verifier with main wiremap adapter, IntelliTone™ Pro Probe, IS60 Pro-Tool™ Kit, multi-language Getting Started Guide, batteries, Magnetic Strap Attachment, and deluxe Fluke Networks carry case
MS2-FTK	Includes MicroScanner ² Cable Verifier with main wiremap adapter, Simplifiber Pro optical power meter, 850/1300 multimode source, SC power-meter adapter, multi-language Getting Started Guide, batteries, Magnetic Strap Attachments and carrying case

Accessories	Description
MS2-IDK27	MicroScanner ² Remote Identifier Kit #2-7
MT-8200-63A	IntelliTone Pro 200 Probe
REMOTEID-KIT	Remote ID Kits for MicroScanner PoE
CIQ-RJA	RJ45/11 Modular Adapter
CIQ-COAX	Coax Adapter Kit for RCA, BNC
MICRO-DIT	MicroScanner ² Kit Soft Carry Duffel
MS2-MAG-KIT	Magnetic Strap Attachment and Spare Holster

Specifications and availability subject to change

Comparison Chart		
	MicroScanner 2	MicroScanner PoE
Twisted Pair (RJ-11, RJ-45)		
Wiremap	✓	✓
Length / Distance to Fault	✓	✓
Coaxial		
Length / Distance to Fault	✓	
Service Identification		
Reports maximum power class		✓
10/100/1000BASE-T	✓	✓
2.5GBASE-T, 5GBASE-T, 10GBASE-T		✓
Power Over Ethernet	Detects 802.3af	Reports class and power for 802.3af, .3at and .3bt
Analog and Digital Toning	✓	✓
Optional Remote Identifiers	✓	✓



Copper Technician Kits

MS-POE-KIT

The MicroScanner™ PoE tester displays the available PoE class (0-8) from 802.3at, .3af and .3bt devices, the voltage from passive PoE sources, available services (up to 10G Ethernet), cable length, wiremap, and distance to fault are all shown. This kit also includes the IntelliTone Pro 200 probe using a digital tone to trace active data cables, six remote identifiers used to locate which cable is being tested, and a magnetic hanging strap to hang your tester from any nearby magnetic surface or from a hook.

MS2-KIT

The MicroScanner² Cable Verifier displays graphical wiremap, pair lengths, distance to fault, and far end device. This kit also includes the IntelliTone™ Pro 200 probe, six remote identifiers, and a magnetic hanging strap.



MS2-TTK

MicroScanner² Termination Test Kit includes MicroScanner² Cable Verifier, IntelliTone Pro 200 probe, a magnetic hanging strap, and the IS60 Installation and Termination tool set.



Copper and Fiber Basic Technician's Kit

MS2-FTK

As project requirements grow to include both copper and fiber cabling, the Copper and Fiber Basic Technician's Kit (MS2-FTK) provides the right set of tools to manage your network and keep it running smoothly. Along with the features of the MicroScanner², the MS2-FTK provides the fiber testing instruments needed to: Quickly verify optical loss and power levels with single-port simultaneous dual wavelength testing over six wavelengths (850, 1300, 1310, 1490, 1550, 1625 nm)

- Conduct efficient cable routing identification with [SimpliFiber Pro's FindFiber®](#) capability
- Save up to 1000 test results and upload and manage them on your personal computer via Fluke Networks' popular [LinkWare Cable Test Management Software](#)
- Track intermittent power fluctuations with the Min/Max feature



MicroScanner² and MicroScanner PoE Specifications

Specifications apply at 23 °C (73 °F), unless otherwise noted.

Environmental Specifications	
Operating temperature	32 °F to 113 °F (0 °C to 45 °C)
Storage temperature	-4 °F to +140 °F (-20 °C to +60 °C)
Operating relative humidity (% RH without condensation)	90 % (50 °F to 95 °F 10 °C to 35 °C) 75 % (95 °F to 113 °F 35 °C to 45 °C)
Shock and Vibration	Random, 2 g, 5 Hz-500 Hz (Class 2) 1 m drop test with and without wiremap adapter attached
Safety	IEC 61010-1 3rd Edition
Altitude	4,000 m; Storage: 12,000 m
EMC	IEC 61326-1

General Specifications	
Test connectors	Shielded 8-pin modular jack accepts 8-pin modular (RJ45) and 4-pin modular (RJ11) plugs. MicroScanner ² : F-connector for coaxial cable.
Power	Battery type: 2 AA (NEDA 15A, IEC LR6) alkaline batteries Battery life: 20 hours of typical use Other compatible battery types: 2 AA photo lithium, NIMH, NICAD
Dimensions and weight (with batteries installed and wiremap adapter attached)	3 in x 6.4 in x 1.4 in (7.6 cm x 16.3 cm x 3.6 cm) MicroScanner ² : 11.5 oz (363g) MicroScanner PoE: 10.6 oz (247 g)
Display	Monochrome LCD with backlight

Test Modes	
Cable test	Measures length, verifies wiremap, identifies remote ID locators, and detects Ethernet ports. MicroScanner PoE also shows HIGH Ω when the resistance of the cable is more than 12.5 Ω . Displays results on one devices.
Tone	Generates Intellitone™ and normal analog toning signals
PoE	MicroScanner ² : Solicits and detects the presence of 802.3af compatible PoE (Power over Ethernet) devices MicroScanner PoE: Solicits and detects the presence of 802.3af, at, bt devices.

Performance Specifications	
Cable types tested	Twisted pair: UTP, FTP, SSTP Coaxial (MicroScanner ²): 75 Ω , 50 Ω , 93 Ω
Length test	Range: 460 m (1500 ft) Resolution: 0.3 m (1 ft) Typical accuracy: \pm 4% or 0.6 m (2 ft) whichever is greater. NVP uncertainty is an additional error. Calibration: User-settable NVP for twisted pair and coax (MicroScanner ²). Can determine actual NVP with known length of cable.
Wiremap test	Detects single-wire faults, shorts, miswires, split pairs, and up to seven far-end adapter IDs. The wiremap is drawn with proportional length to visually indicate the approximate location of faults.
Ethernet port detection	MicroScanner ² : Detects the advertised speed of 802.3 Ethernet ports with speeds of 10 Mbps, 100 Mbps, and 1 Gbps. MicroScanner PoE: Detects the advertised speed of 802.3 Ethernet ports with speeds of 10 Mbps, 100 Mbps, 1 Gbps, 2.5 Gbps, 5 Gbps, and 10 Gbps.
Tone generator	Supports toning and cable mapping with a Fluke Networks digital IntelliTone™ probe. Generates four tones compatible with typical analog probes. SmartTone™ feature gives positive identification of cables in bundles when using an IntelliTone or an analog probe.

Simplifiber Pro Specifications (included in MS2-FTK)

General Specifications	
Temperature range	Operating: -10 °C to 50 °C Storage: -20 °C to 50 °C
Humidity range	95% (10 °C to 35 °C) non-condensing; 75% (35 °C to 40 °C) non-condensing; uncontrolled <10 °C
Certifications	CE, CSA, N10140, Class 1 laser-safe
Dimensions	Power meter: 6.4 in x 3.2 in x 1.5 in (16.5 cm x 8.0 cm x 3.9 cm) MM/SM sources: 5.6 in x 3.2 in x 1.6 in (14.2 cm x 8.1 cm x 4.1 cm)
Weight	Power meter: 11.5 oz (325 g) MM/SM sources: 9.8 oz (278 g)
Optical Sources	
Optical output connector	Fixed SC
Emitter type	850/1300: LED 1310/1550: FP Laser FindFiber: Laser
Emitter wavelengths	CE, CSA, N10140, Class 1 laser-safe
Power output (minimum)	MM: ≥ -20 dBm SM: ≥ 8 dBm minimum; -7 dBm nominal
Power output stability (8 hours)	MM: ± 0.1 dB over 8 hours SM: ± 0.25 dB over 8 hours
MM battery life (2 x AA IEC LR6)	40 hours typical
SM battery life (2 x AA IEC LR6)	30 hours typical
FindFiber battery life (2 x AA IEC LR6)	80 hours typical
Optical Power Meter	
Power measurement accuracy	± 0.25 dB
Optical connector	Removable adapter; SC adapter standard; Optional adapters include LC, ST
Detector type	InGaAs
Calibrated wavelengths	850, 1300, 1310, 1490, 1550, 1625
Power measurement linearity	850 nm: ± 0.2 dB; ± 0.2 dB for power from 0 dBm to -45 dBm, ± 0.25 dB for power < -45 dBm; 1300 nm, 1310 nm, 1490 nm, 1550 nm, 1625 nm: ± 0.1 dB; ± 0.1 dB for power from 0 dBm to -55 dBm, ± 0.2 dB for power > 0 dBm and < -55 dBm
Resolution	0.01 dB
Battery life	> 50 hours typical
Memory	1000 loss or power measurements
Serial communication physical interface	USB

PRICE BID FORMAT:

Sl. No.	Material Description	UOM	Qty	HSN/ SAC Code	Unit Price (INR)	P&F, Insurance & Freight Charges (INR)	GST@ Amount (INR)	Unit price including P&F, Insurance, Freight & GST (INR)	Total price inclusive of P&F, Insurance, Freight & GST (F.O.R, BNPM, Mysuru) (INR)	Input GST Credit (INR) {GST amount * Total quantity}	Effective price inclusive of P&F, Insurance, Freight (F.O.R, BNPM, Mysuru) (INR)
A	B	C	D		E	F	G	H=E+F+G	I=H*D	J=G*D	K=I-J
1.	Micro scanner POE Cable Verifier (Model: MS-POE)	Nos	01								

Note: Evaluation shall be carried out on overall price quoted by the bidders, unless any other method of evaluation is specifically provided in the enquiry. The quoted price for each item should be inclusive of P&F, Freight, Transit Insurance and any other charges required for delivery of that item to BNPM, Mysuru



We hereby confirm that

1. We accept all the terms & conditions mentioned in the enquiry.
2. Price quoted is inclusive of P&F, Insurance, Freight and GST on F.O.R Basis, BNPM Plant, Mysore.
3. Bid validity: 30 days from the date of enquiry closing date.
4. HSN Code:
5. Delivery period: (Days / Weeks)
6. Warranty Period: Months (Time Period to be specified in case warranty period is less than 12 months / NA to mentioned in the in case warranty is not applicable)
7. Bank Details: Acc. No.; Bank Name:;
Branch name:; Branch Code:;
IFSC:
8. MSME / NSIC status: (If yes, then supporting document to be submitted along with the offer)
(Please fill above: MSI – For Micro Enterprises; SSI – For Small Enterprises; MED.SI – For Medium Enterprises; NSIC – For National Small Industries Corporation regd. firm)

Signature of bidder:

Name of the Firm:

Seal of the firm:

GST No.:

