

BNPM/NCB/T&T/01 45/2021-22 Dated 07.07.2021	<b>BANK NOTE PAPER MILL PRIVATE LIMITED</b>	SHEET 1 OF 19
	<b>SUPPLY, INSTALLATION AND COMMISSIONING OF CODE MARKING AND SCANNING (TRACK &amp; TRACE) SYSTEM AT BNPM PLANT, MYSURU CORRIGENDUM NO. 1</b>	

**CORRIGENDUM No. 1, DATED 05.08.2021**

**FOR**

**TENDER NO. BNPM/NCB/T&T/0145/2021-22 Dated 07.07.2021**

**TENDER DOCUMENT FOR SUPPLY, INSTALLATION AND COMMISSIONING OF CODE  
MARKING AND SCANNING (TRACK & TRACE) SYSTEM AT BNPM PLANT, MYSURU**

**CLIENT : BANK NOTE PAPER MILL INDIA PRIVATE LIMITED**

**PROJECT : 12000 TPA BANK NOTE PAPER MILL AT MYSORE**

**LOCATION : MYSORE, KARNATAKA**



**BANK NOTE PAPER MILL INDIA PRIVATE  
LIMITED CORPORATE OFFICE,  
ADMINISTRATIVE  
BUILDING, NOTE MUDRAN  
NAGAR, MYSORE- 570003**





BNPM/NCB/T&T/ 0145/2021-22 Dated 07.07.2021	<b>BANK NOTE PAPER MILL PRIVATE LIMITED</b>	SHEET 2 OF 19
	<b>SUPPLY, INSTALLATION AND COMMISSIONING OF CODE MARKING AND SCANNING (TRACK &amp; TRACE) SYSTEM AT BNPM PLANT, MYSURU</b>  <b>CORRIGENDUM NO. 1</b>	

## 1.0 **SCOPE OF THIS CORRIGENDUM**

- 1.1 This corrigendum dated 05.08.2021, is issued for changes in closing date, amendments and clarifications
- 1.2 Except for details mentioned herein, all other details contained in the Tender No. **BNPM/NCB/T&T/0145/2021-22 Dated 07.07.2021** shall remain applicable and unchanged.

## 2.0 **REVISION TO THE TENDER: -**

<b>S No.</b>	<b>Reference Location</b>	<b>Previous Provisions</b>	<b>Action/Clarification incorporated in this</b>
<b>1</b>	Page No. 03, Section I	Closing date and time for receipt of tenders - <b>06.08.2021 at 11.00 Hours</b>	Closing date and time for receipt of tenders - <b>19.08.2021 at 11.00 Hours</b>
<b>2</b>	Page No. 37, Section VII – Technical Specification (code marker/printer specifications)	<u>New Addition</u>	7. Multiple dot printing with minimum of 300 x 150 resolution
<b>3</b>	Section XI – Price schedule	FORM B4 - ( <u>New addition</u> )	Form B4 table included for Maintenance spares.
<b>4</b>	Price Bid		Revised Price bid attached in tender-wizard portal
<b>5</b>	Section VII – Technical specification	<u>New Addition</u>	<ul style="list-style-type: none"> <li>Any items like inks, fluids, cartridges, pump, drum, printhead, wear and tear parts etc. which are of consumables nature, required for one year will be in scope of supplier</li> <li>Any tool and tackles like screwdriver, soldering iron, etc. also will be in scope of supplier</li> </ul>



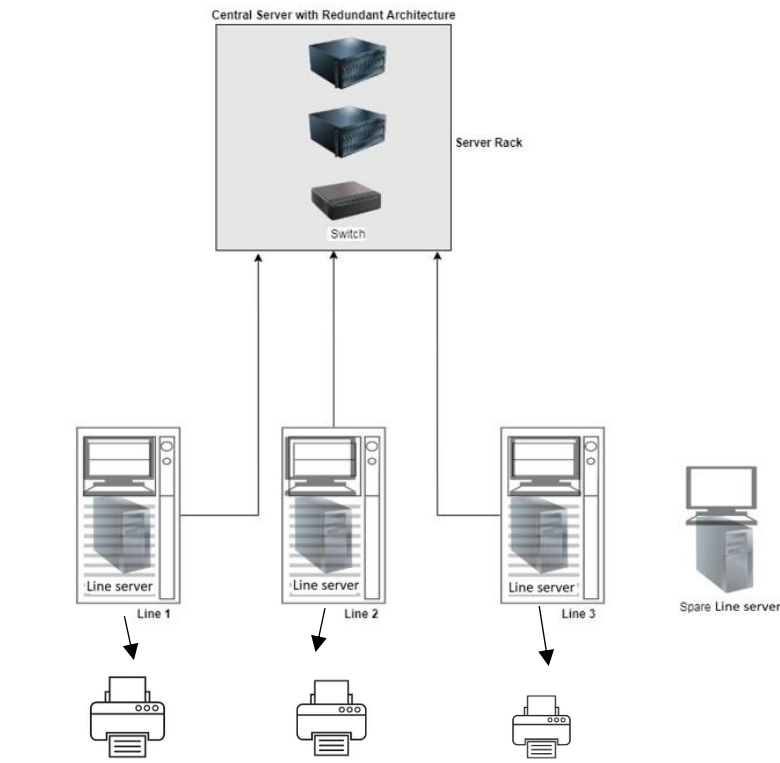
6	Section VII – Technical specification (AMC)	<u>New addition</u>	<ul style="list-style-type: none"> <li>• AMC is <b><u>non-Comprehensive.</u></b></li> <li>• Purchaser reserves the right to avail AMC services and Work Order shall be released on successful completion of warranty period.</li> <li>• Separate AMC WO shall be released every year based on the satisfactory performance during the preceding year.</li> </ul>
7	Section VII– Technical Specification	Server Specification table	<u>Deleted</u>
		<u>New addition</u>	<i>BNPM track and trace architecture (including new server specs) - annexure 01</i>
8	Section VIII –quality Control requirement	Server compliance table	<u>Deleted</u>
		<u>New addition</u>	<i>Additional QCR (including new server compliance) - annexure 02</i>



## **ANNEXURE 01**

### **ADDITION TO SECTION VIII – QUALITY CONTROL REQUIREMENTS**

#### **BNPM Track and Trace architecture**



#### **Bill of Materials:**

S.no.	Name	Qty
1.	Rack Enclosure which may accommodate Server + Monitor and all required accessories.	3
2.	Central Server Rack Enclosure which may accommodate Central Server- 2, Switches and all required accessories	1
3.	Server (Line-Server) (A)	4
4.	Monitor (B)	4
5.	Report Printer (C)	3
6.	Central Server (D)	2
7.	Switch (E)	Lot
<b><u>Note: Specifications are as per below tables</u></b>		



### A. Line server (Known as “Line-Server” for this Tender)

Sl. No.	Technical Specification	Description
	<b>Physical Server</b>	
1	Form Factor	Tower
2	Processor	1 * Intel® Xeon® Silver 4216 Processor
3	Processor Socket	2
4	Memory / RAM	32GB
5	I/O Slots	Up to 3 PCIe 3.0 expansion slots, USB 3.0 Slot
6	Drive Bay	Chassis with up to 8 X 3.5" Hot Plug Hard Drives, DVD+RW
7	Maximum Internal Storage	2 * 480 GB SSD (RAID 1) 4 * 600 GB SAS 15K RPM (RAID 5E or above)
8	Embedded NIC	Min. 2 X 1 GbE
9	Power Supply	Dual, 750W, Redundant power supply (1+1), Hot Plug
10	System Management	Remote Management Enabled
11	Windows Server 2019	SKU: 9EM-00652
12	Recommended Support	3 years Enterprise, support with 9*5 NDB & 3 years hardware warranty
13	Server security	<p>Should provide effective protection, reliable detection &amp; rapid recovery using:</p> <ul style="list-style-type: none"> <li>• Silicon-based Hardware Root of Trust</li> <li>• Signed firmware updates</li> <li>• Secure default passwords</li> <li>• Configuration and firmware drift detection</li> <li>• Persistent event logging including user activity</li> <li>• Secure alerting</li> <li>• Automatic BIOS recovery</li> <li>• Rapid OS recovery</li> <li>• Configuration upgrades should be only with cryptographically signed firmware and software</li> <li>• Should provide system lockdown feature to prevent change (or “drift”) in system firmware image(s) &amp; prevent malicious modification of server firmware</li> </ul>



**B. Monitor**

Sl. No.	Technical Specification
1	Minimum of 22-inch
2	Aspect Ratio of 16:9 or suitable
3	LED type
4	Full/HD resolution having DVI, VGA and HDMI outputs.
6	Preferred Make: HP/Dell/Samsung/LG/or substantially equivalent with prior approval of BNPM

**C. Printer (for reports printing) *(Same as per tender spec)***

Sch No.	Technical Specification	Details
1.	Printer type	Laserjet
2.	Paper type	A4
3.	Colour output	Colour printer
4.	Connectivity	Standard (built-in Ethernet)
5.	Print speed black	Minimum 20ppm
6.	Print speed colour	Minimum 20ppm
7.	Duplex printing	Yes
8.	Duty cycle	5000 monthly
9.	Tray	One Multipurpose tray + one drawer

**D. Central Server (Known as “Central-Server” for this Tender)**

Sl. No.	Technical Specification	Description
	<b>Physical Server</b>	
1	Form Factor	Rack Server (1U Or 2U)
2	Processor	Intel® Xeon® Gold 6326 Processor
3	Processor Socket	2
4	Memory / RAM	64GB
5	I/O Slots	Up to 3 PCIe 3.0 expansion slots, USB 3.0 Slot
6	Drive Bay	Up to 12 x 3.5-inch, Hot Plug Hard Drives, DVD+RW



7	Maximum Internal Storage	2 * 800 GB SSD (RAID 1) 4 * 1.2 TB SAS (RAID 5E or above)
8	Embedded NIC	4 X 1 GB T OCP Interface
9	Power Supply	Dual, 750W, Redundant power supply (1+1), Hot Plug
10	System Management	Remote Management Enabled
11	Windows Server 2019	SKU: 9EM-00652
13	SQL Server	Microsoft SQL Server 2019 Standard (P/N: 228-11477)
14	Recommended Support	3 years Enterprise, support with 9*5 NDB & 3 years hardware warranty
15	Server security	<p>Should provide effective protection, reliable detection &amp; rapid recovery using:</p> <ul style="list-style-type: none"> <li>• Silicon-based Hardware Root of Trust</li> <li>• Signed firmware updates</li> <li>• Secure default passwords</li> <li>• Configuration and firmware drift detection</li> <li>• Persistent event logging including user activity</li> <li>• Secure alerting</li> <li>• Automatic BIOS recovery</li> <li>• Rapid OS recovery</li> <li>• Configuration upgrades should be only with cryptographically signed firmware and software</li> <li>• Should provide system lockdown feature to prevent change (or “drift”) in system firmware image(s) &amp; prevent malicious modification of server firmware</li> </ul>

## E. Switch

Sl. No.	Technical Specification	Description
1	General Features	
	Form factor	1 U
	Rack Mountable Accessories	Yes
	Power and Activity LEDs	Yes
	Type	Layer 3 Switch
	Port	8 - Port Switch
2	Technical Specification	
		<p>1. Should have 8X10/100/1000Base-T ports</p> <p>2.Shall support IPv4 and IPv6 from day one.</p> <p>3. Should have minimum 2 numbers fixed Gigabit Ethernet</p>



		<p>Small Form-Factor Pluggable (SFP)/RJ 45 Combo uplinks ports (10/100/1000 or SFP)</p> <p>4. Should have at least 100Mbps Packet Forwarding Throughput.</p> <p>5. Should have at least 256MB DRAM and 64MB Flash</p> <p>6. Should have IEEE 802.3, IEEE 802.3u, IEEE 802.3ab</p> <p>7. Should have IEEE 802.1Q, IEEE 802.1D, IEEE 802.1w, IEEE 802.1s, IEEE802.1X</p> <p>8. Should have Layer 2 and Layer 3 QoS features</p> <p>9. Support for basic routing protocols (static, RIPv1 &amp; RIPv2) and advanced routing protocols (OSPF, BGPv4 etc.), PBR etc.</p>
3	Security Specification	
		<p>1. Should have IEEE 802.1x based Network Access Control for end-point security</p> <p>2. Should have dynamic port-based security, providing user authentication</p> <p>3. Should have dynamic VLAN assignment</p> <p>4. Should support ACLs and extended ACLs based on source/destination IP addresses and TCP/UDP ports</p> <p>5. Should support MAC filtering to prevent forwarding of any type of packet with matching MAC address</p> <p>6. Should have SSHv3 and SNMPV3 to encrypt traffic during Telnet and SNMP sessions.</p> <p>7. Should have port-based or VLAN based mirroring capabilities.</p> <p>8. Should support RADIUS authentication to enable centralized control of the switch and restrict unauthorized users from altering the configuration</p>
4	Management	
		<p>1. Should have HTTP/HTTPS web interface for configuration and management</p> <p>2. Should have SNMP V1/V2/V3 enabled</p> <p>3. Should have CLI, Telnet, TFTP, SSH capabilities to configure / access device through in-band or out-of-band management ports</p>



		<p>4. Should have support to NTP client</p> <p>5. Should have SYSLOG capabilities to enable system logging</p> <p>6. Should have RMON - Remote Monitoring with 4 RMON groups (history, statistics, alarms and events)</p> <p>7. Should support multiple level of privileges and authentication for user access along with SSH support for secured device access.</p>
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**Infrastructure Details:**

1. All detailed technical specification has been mentioned in respective annexures.
2. All 3 Sheeter Lines should have their individual rack enclosure and complete setup to display line data as displayed in above diagram.
3. All 3-sheeter individual server (will be termed as **Line-Server** in this Tender) shall be connected to central server (with dual redundancy).
4. Central server (with dual redundancy) will be kept at different location and entire cabling along with its accessories will be in vendor scope. Maximum distance between Central-Server and one individual server at farthest is approx. 160 mtrs.
5. Facility to generate the reports from individual line must be provisioned.
6. Central server and redundant server must work in ACTIVE-ACTIVE situation, so that secondary server can take up the job in case of failure at primary server end.
7. Central Server rack must have some available space to accommodate 2-3 servers in future.
8. Central server must keep the data for minimum of 90 days. Also, provision for storing the data of 1 year should be facilitated offline. Any external storage device required for this will be provided by BNPM.
9. Vendor has to provide the backup scheduler from Mini Server as well as Central server to transfer the data at BNPM defined Location.
10. All electrical and LAN cabling required to bring system up is in scope of vendor only.
11. Vendor is liable to provide software assessment audit certificate by certified agency. However, for hardware items, certification from OEM is needed.
12. All Server must have updated Antivirus Software.
13. Vendor has to provide the editable application program for all installed systems.
14. Vendor has to provide the as-built drawing of all cablings.



## **ANNEXURE 02**

### **ADDITION TO SECTION VIII – QUALITY CONTROL REQUIREMENTS**

<b>Line-Server</b>				
<b>Sl. No.</b>	<b>Technical Specification</b>	<b>Description</b>	<b><u>Offered by the supplier</u></b>	<b><u>Deviation if any</u></b>
	<b>Physical Server</b>			
1	Form Factor	Tower		
2	Processor	1 * Intel® Xeon® Silver 4216 Processor		
3	Processor Socket	2		
4	Memory / RAM	32GB		
5	I/O Slots	Up to 3 PCIe 3.0 expansion slots, USB 3.0 Slot		
6	Drive Bay	Chassis with up to 8 X 3.5" Hot Plug Hard Drives, DVD+RW		
7	Maximum Internal Storage	2 * 480 GB SSD (RAID 1) 4 * 600 GB SAS 15K RPM (RAID 5E or above)		
8	Embedded NIC	Min. 2 X 1 GbE		
9	Power Supply	Dual, 750W, Redundant power supply (1+1), Hot Plug		
10	System Management	Remote Management Enabled		
11	Windows Server 2019	SKU: 9EM-00652		
12	Recommended Support	3 years Enterprise, support with 9*5 NDB & 3 years hardware warranty		
13	Server Security	Should provide effective protection, reliable detection & rapid recovery using: <ul style="list-style-type: none"> <li>• Silicon-based Hardware Root of Trust</li> <li>• Signed firmware updates</li> <li>• Secure default passwords</li> <li>• Configuration and firmware drift detection</li> <li>• Persistent event logging including user activity</li> <li>• Secure alerting</li> <li>• Automatic BIOS recovery</li> <li>• Rapid OS recovery</li> <li>• Configuration upgrades should be only with cryptographically</li> </ul>		



		signed firmware and software Should provide system lockdown feature to prevent change (or “drift”) in system firmware image(s) & prevent malicious modification of server firmware		
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Monitor			
Sl. No.	Technical Specification	<u>Offered by the supplier</u>	<u>Deviation if any</u>
1	Minimum of 22-inch		
2	Aspect Ratio of 16:9 or suitable		
3	LED type		
4	Full/HD resolution having DVI, VGA and HDMI outputs.		
5	Preferred Make: HP/Dell/Samsung/LG/or substantially equivalent with prior approval of BNPM		

Central Server				
Sl. No.	Technical Specification	Description	<u>Offered by the supplier</u>	<u>Deviation if any</u>
	<b>Physical Server</b>			
1	Form Factor	Rack Server (1U Or 2U)		
2	Processor	Intel® Xeon® Gold 6326 Processor		
3	Processor Socket	2		
4	Memory / RAM	64GB		
5	I/O Slots	Up to 3 PCIe 3.0 expansion slots, USB 3.0 Slot		
6	Drive Bay	Up to 12 x 3.5-inch, Hot Plug Hard Drives, DVD+RW		
7	Maximum Internal Storage	2 * 800 GB SSD (RAID 1) 4 * 1.2 TB SAS (RAID 5E or above)		
8	Embedded NIC	4 X 1 GB T OCP Interface		
9	Power Supply	Dual, 750W, Redundant power supply (1+1), Hot Plug		
10	System Management	Remote Management Enabled		
11	Windows Server 2019	SKU: 9EM-00652		
13	SQL Server	Microsoft SQL Server 2019 Standard (P/N: 228-11477)		



14	Recommended Support	3 years Enterprise, support with 9*5 NDB & 3 years hardware warranty		
15	Server Security	<p>Should provide effective protection, reliable detection &amp; rapid recovery using:</p> <ul style="list-style-type: none"> <li>• Silicon-based Hardware Root of Trust</li> <li>• Signed firmware updates</li> <li>• Secure default passwords</li> <li>• Configuration and firmware drift detection</li> <li>• Persistent event logging including user activity</li> <li>• Secure alerting</li> <li>• Automatic BIOS recovery</li> <li>• Rapid OS recovery</li> <li>• Configuration upgrades should be only with cryptographically signed firmware and software</li> </ul> <p>Should provide system lockdown feature to prevent change (or “drift”) in system firmware image(s) &amp; prevent malicious modification of server firmware</p>		

Switch Specification				
Sl. No.	Technical Specification	Description	<u>Offered by the supplier</u>	<u>Deviation if any</u>
1	General Features			
	Form factor	1 U		
	Rack Mountable Accessories	Yes		
	Power and Activity LEDs	Yes		
	Type	Layer 3 Switch		
	Port	8 - Port Switch		
2	Technical Specification			



		<ol style="list-style-type: none"> <li>1. Should have 8X10/100/1000Base-T ports</li> <li>2. Shall support IPv4 and IPv6 from day one.</li> <li>3. Should have minimum 2 numbers fixed Gigabit Ethernet Small Form-Factor Pluggable (SFP)/RJ 45 Combo uplinks ports (10/100/1000 or SFP)</li> <li>4. Should have at least 100Mbps Packet Forwarding Throughput.</li> <li>5. Should have at least 256MB DRAM and 64MB Flash</li> <li>6. Should have IEEE 802.3, IEEE 802.3u, IEEE 802.3ab</li> <li>7. Should have IEEE 802.1Q, IEEE 802.1D, IEEE 802.1w, IEEE 802.1s, IEEE802.1X</li> <li>8. Should have Layer 2 and Layer 3 QoS features</li> <li>9. Support for basic routing protocols (static, RIPv1 &amp; RIPv2) and advanced routing protocols (OSPF, BGPv4 etc.), PBR etc.</li> </ol>		
3	Security Specification			
		<ol style="list-style-type: none"> <li>1. Should have IEEE 802.1x based Network Access Control for end-point security</li> <li>2. Should have dynamic port-based security, providing user authentication</li> <li>3. Should have dynamic VLAN assignment</li> <li>4. Should support ACLs and extended ACLs based on source/destination IP addresses and TCP/UDP ports</li> <li>5. Should support MAC filtering to prevent forwarding of any type of packet with matching MAC address</li> <li>6. Should have SSHv3 and SNMPV3 to encrypt traffic during Telnet and SNMP sessions.</li> <li>7. Should have port-based or VLAN based mirroring capabilities.</li> <li>8. Should support RADIUS authentication to enable centralized control of the switch and restrict unauthorized uses from</li> </ol>		



		altering the configuration		
4	Management			
		<ol style="list-style-type: none"> <li>1. Should have HTTP/HTTPS web interface for configuration and management</li> <li>2. Should have SNMP V1/V2/V3 enabled</li> <li>3. Should have CLI, Telnet, TFTP, SSH capabilities to configure / access device through in-band or out-of-band management ports</li> <li>4. Should have support to NTP client</li> <li>5. Should have SYSLOG capabilities to enable system logging</li> <li>6. Should have RMON - Remote Monitoring with 4 RMON groups (history, statistics, alarms and events)</li> <li>7. Should support multiple level of privileges and authentication for user access along with SSH support for secured device access.</li> </ol>		



**FORM B4 – LIST OF MAINTENANCE SPARES REQUIRED FOR TROUBLE FREE OPERATION AFTER THE END OF ONE YEAR WARRANTY *(New addition)***

Schedule No.	Description	UOM	Quantity	HSN/SAC Code	Price for Supply (INR)								
					Basic unit Price (INR )	Freight, P&F, Transit Insurance & any other charges (INR)	Unit price (Incl. of Freight, P&F, Transit Insurance & any other charges) (INR)	GST @ —%	GST Amount (INR)	Total unit price (Incl. of Freight, P&F, Transit Insurance, any other charges & GST)	Input Tax Credit for HSN (INR)	Effective unit price (Incl. of Freight, P&F, Transit Insurance, any other charges)	Total Effective price (Incl. of Freight, P&F, Transit Insurance, any other charges) (INR)
			(a)		(b)	(c)	(d)=(b)+(c)	(%)	(e) = (d)*(%)	(f)=(d)+(e)	(g)	(h)=(f)-(g)	(i)=(h)*(a)
1.													
2.													
3.													
4.													
5.													
6.	Total Effective Price for Maintenance spares*												

**Note:** Purchase of Maintenance spares will be at sole discretion of BNPM



## **Clarifications**

S No.	Tender Document Reference			Bidder query	BNPM Reply
	Pg No.	Sec. No./Clause No.	Subject		
1.	13	Section II	Prequalification Bidding	Prequalification Bidding in Section 2 Page no 13 - What is the Procedure to apply Prequalification Bidding	Vendors shall participate through e-tender portal tender-wizard as per procedure mentioned in Section I, NIT
2.	General			Can we Work with Indicative Price and Technical Detail during Initial under Prequalification Bidding, As Actual Model and other Peripherals and Accessories will be confirmed after Demonstration? Final Price after Demonstration during Final Submission of BID.	Price schedule and participation must be as per tender terms
3.	General			Please confirm whether the inkjet printer and the first scanner/camera need to be installed before or after the existing ISRA inspection system on the sheeter.	Before the existing ISRA inspection system
4.	General			Please confirm the desired life of print readability /scan ability of the code printed on the currency paper.	3years
5.	38,39 and 42,43	Section VII - Technical Specification	Server Specs	In server specification (section VII, Page No. 38) SQL is mentioned however, in technical compliance statement (section VIII, page no. 42) SQL server is not mentioned. Please clarify	Amended through this corrigendum



6.				Whether Anti-virus software to be provided in server	Clarified in the <b><u>BNPM Track and Trace architecture details (section VII)</u></b> added through this corrigendum.
7.				In server specification, in point No 13, SKU is mentioned for Windows server 2019. Please clarify whether it is your existing license which we have to use or we have to purchase the license with this SKU number.	This is the part number of OS to be loaded in server. Pre-loaded OS in server will not be acceptable. This will be in the scope of supplier
8.				In server specification, in point No 14, P/N 228-11477 is mentioned. Please clarify.	This is the part number of OS to be loaded in server. Pre-loaded OS in server shall not be acceptable.
9.	General			Is the LAN networking hardware (including cabling) in vendor scope?	Clarified in the <b><u>BNPM Track and Trace architecture details (section VII)</u></b> added through this corrigendum.
10.	General			Is Track & Trace software required with Vulnerability Assessment & Penetration Testing (VAPT) certification for audit purpose	Clarified in the <b><u>BNPM Track and Trace architecture details (section VII)</u></b> added through this corrigendum.
11.	General			Whether VAPT is required for Servers	No, only for customized software if any.
12.	34	Section VII - Technical Specification		Page 34 - spares requirements state for submission of quote separately for min. 2 years spares. Pls clarify whether this is separate from the list of essential spares and consumables for one year to be offer as per FORMB2 and where to offer in price bid.	Yes. This is a separate requirement to be quoted in Form-B4 (amendment)



13.	35	Section VII - Technical Specification		Page 35- spares requirement: to quote separately for spares which should include Code printer, (1 no.), code scanners (3 nos.), cables (1 set), etc for 2 years trouble free operation. Pls clarify where to offer these items in the price bid.	Any Spares required for two-year trouble-free operation after warranty period has to be mentioned in the Price bid-maintenance spares table (Form -B4) (amendment)
14.	37	Section VII - Technical Specification	CODE MARKER/PRINTER SPECIFICATIONS	On page 37 in Code Marker/Printer specification, print resolution (DPI) is not specified. Please clarify.	Multiple dot printing with minimum of 300 x 150 resolution
15.	37		CODE SCANNER SPECIFICATIONS	On page 37 in Code scanner specification minimum resolution is not specified. Please clarify	Vendor has to decide and confirm the readability as per the Marker/Printer supplied by them.
16.	General			Is automated backup plan needed for data as well as files. If YES, please define the hardware requirement to be provided	Clarified in the <b><u>BNPM Track and Trace architecture details (section VII)</u></b> added through this corrigendum.
17.	53	Section XI	Price Bid	Form B2 - List of essential spares and consumables for one year - pls clarify whether inks and other fluids also to be offered? If yes, pls provide details of the yearly number of sheets to be printed	Any items like inks, fluids, cartridges, pump, drum, printhead, wear and tear parts etc. which are of consumables nature, required for one year has to be mentioned in the essential spares table (Form B2). However, any spare that has to be changed as it gets faulty will be covered under warranty only. BNPM produces approx. 13.50Crores of sheets per year per sheeter.
18.	53	Section XI	Price Bid	Form B3 - pls clarify AMC to be considered Comprehensive or Non-Comprehensive	Non-Comprehensive AMC



19.	53	Section XI	Price Bid	In spares and AMC quote, whether do we have to include refurbishment cost of spares which may need periodic replacement or refurbishment	Any items like inks, fluids, cartridges, pump, drum, printhead, wear and tear parts etc. which are of consumables nature, required for one year warranty period has to be mentioned in the essential spares table (Form B2) and for next two years thereafter in Maintenance spares table (Form B4). However, any spare that has to be changed as it gets faulty will be covered under warranty only.
20.	29	Section V	SCC	Warranty (Page 29): Whether wear & tear parts and print head refurbishment to be included	Any items like inks, fluids, cartridges, pump, drum, printhead, wear and tear parts etc. which are of consumables nature, required for one year warranty period has to be mentioned in the essential spares table (Form B2) and for next two years thereafter in Maintenance spares table (Form B4). However, any spare that has to be changed as it gets faulty will be covered under warranty only.
21.	40	Section VII	BNPM Scope		vendor has to provide the total power requirements in advance for each sheeter