

BNPM/NCB/SDES/693 /2019-20 Dated 25.11.2019	BANK NOTE PAPER MILL INDIA PRIVATE LIMITED TENDER FOR SUPPLY, INSTALLATION, TESTING & TRAINING OF SECURITY DOCUMENTS EXAMINATION & AUTHENTICATION SYSTEM FOR BANKNOTE PAPER/BANKNOTES AT BNPM PLANT, MYSURU CORRIGENDUM NO. 1	SHEET 1 OF 1
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CORRIGENDUM No. 1, DATED 27.12.2019

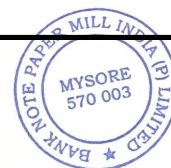
FOR

E-TENDER NO. BNPM/NCB/SDES/693/2019-20 Dated 25.11.2019

1.0 SCOPE OF THIS CORRIGENDUM

- a. Tender technical specification, experience & past performance and bid Submission due date to be read as below:

<u>S.No.</u>	<u>Clause</u>	<u>Did read</u>	<u>Should read</u>
01	NIT, Section-I (Page-3)	Offer Submission Closing Date: 27.12.2019 at 1500 Hrs.	Offer submission Closing Date: 13.01.2020 at 1500 Hrs.
02	Technical specifications, section-VII, point no.1, camera, lenses and viewing filters:	Colour/ IR high resolution Min 5M pixels camera spectral range 350- 1100nm with 22x zoom lens and supplementary lens providing: ➤ Standard field of view from 1.7 x 1.4mm to 209 x 167mm. Equivalent to a magnification of up to 175x (±6%) on a (min) 32" UHD monitor or better. ➤ Digital zoom up to 8x gives image magnification up to 1400x (±6%) or better. ➤ Enhanced field of view, 263	Colour/ IR high resolution Min 5M pixels camera spectral range 350- 1100nm with 22x zoom lens and supplementary lens providing: ➤ Standard field of view from 1.7 x 1.4mm to (209 x 167)mm (±10%). Equivalent to a magnification of up to 175x (±6%) on a (min) 32" UHD monitor or be better. ➤ Digital zoom up to 8x gives image magnification up to 1400x (±6%) or better. ➤ Enhanced field of view, (263



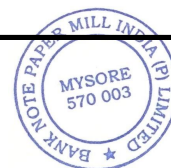
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		x 212 mm using X-Y stage or better ➤ Enhanced field of view to standard A4/letter size with supplementary registration guide ➤ Super Resolution Imaging (SRI) from 19Mpixel – 60Mpixel or better ➤ Automatic and manual control of image integration from 1 milli-second to 180 seconds or better ➤ Automatic and manual control of camera contrast, brightness, and gamma. ➤ Two imaging filter wheels contain a visible wavelength filter, and 15 long pass filters from 530nm, 550, 570, 590, 610, 630, 645, 665, 695, 715, 725, 780, 830, 850, 925nm, UV pass filter (350-380nm), custom filter, and a linear polarizer for cross polar imaging	x 212) mm(±10%) (using X-Y stage or better. ➤ Enhanced field of view to standard A4/letter size with supplementary registration guide. ➤ Super Resolution Imaging (SRI) or better. ➤ Automatic and manual control of image integration from 1 milli-second to 180 seconds or better. ➤ Automatic and manual control of camera contrast, brightness, and gamma. ➤ Suitable image filter wheels/ barriers contains a visible wavelength filter , long pass filter, UV pass filter, custom filter, and a linear polarizer for cross polar imaging.
03	Technical Specifications, Section- VII, Point No.2, LIGHT SOURCES	The light sources MUST BE a combination of LEDs and High-Power Filament/Tungsten-Halogen Spot light Lamps with High-	The light sources or LED or combination of LEDs and High-Power Filament/Tungsten-Halogen Spot light Lamps with High-



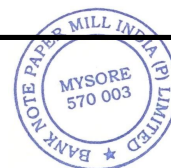
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		pass and low-pass. The illumination must include.	pass and low-pass. The illumination must include:-
04	Technical Specifications, Section- VII, Point No.2.1, Infrared /visible	<ul style="list-style-type: none"> ➤ Incident (flood) IR/visible, ➤ Transmitted IR/visible light, ➤ Transmitted IR/visible, ➤ IR/visible oblique lights, ➤ Incident IR/visible background light, ➤ Spot Light Source (for IR fluorescence), ➤ Low-pass filters at 430-720nm. ➤ High-pass filters at 380-745nm ➤ Suitable provision to provide either a broad beam or focused spotlight. 	<ul style="list-style-type: none"> ➤ Incident (flood) IR/visible, ➤ Transmitted IR/visible light, ➤ Transmitted IR/visible, ➤ IR/visible oblique lights, ➤ Incident IR/visible background light, ➤ Spot Light Source or LEDs (for IR fluorescence). ➤ Low-pass filters at 430-720nm/ Equivalent filter required for examination. ➤ High-pass filters at 380-745nm/ Equivalent filter required for examination. ➤ Suitable provision to provide either a broad beam or focused spotlight.
05	Technical Specifications, Section- VII, Point No.2.3, SPECIALIST	<ul style="list-style-type: none"> ➤ 850-1000 nm (min) broadband excitation lamp for viewing Anti-Strokes inks. 	<ul style="list-style-type: none"> ➤ 850-1000 nm (min) broadband excitation lamp or LEDs for viewing Anti-Strokes inks.
06	Technical Specifications, Section- VII, Point No.3, sub point 1.7 (3-DIMENTINAL	<ul style="list-style-type: none"> ➤ It should have an IN-BUILT hardware for 3-Dimentional Imaging applications module. ➤ For the examination of 	<ul style="list-style-type: none"> ➤ It should have an IN-BUILT/ standalone hardware for 3-Dimentional Imaging applications module. ➤ For the examination of



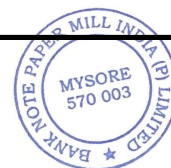
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	IMAGING):	indentations and surface features ➤ For the analysis of intersecting lines ➤ The 3-Dimentional Imaging Module with stand-alone module out-side the main unit is not acceptable.	indentations and surface features ➤ For the analysis of intersecting lines. ➤ Deleted
07	Technical Specifications, Section- VII, Point No.5, sub point 5.1 (Suitable software	➤ Software that maximizes the effectiveness of document examinations by providing the user with control of all functions via a fluent quick access toolbar or programmable 'hot-keys'	➤ Software that maximizes the effectiveness of document examinations by providing the user with control of all functions via a fluent quick access toolbar or programmable 'hot-keys' or suitable toolbar.
08	Technical Specifications, Section- VII, Point No.5, sub point 5.10 (HYPER SPECTRAL IMAGING MODULE):	➤ Image cube creation over adjustable wavelength range from 400 to 1000nm in incremental steps from 1nm up to 20nm. ➤ Spectra of any point on the image immediately available for comparison.	➤ Image cube creation over adjustable wavelength range from 400 to 940nm or more with an incremental steps from 1nm up to 20nm. ➤ Spectra of any point on the image immediately available for comparison.
09	Technical Specifications, Section- VII, Point No.6, Integrated document and bank note database software	(Keeping reference image archive and annual subscription offered separately) ➤ Displays document images with saved data enables a live image to be displayed	(Suitable reference image archive and annual subscription offered separately or equivalent) ➤ Displays document images with saved data enables a live image to be displayed



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		<p>alongside an image from the database for comparison.</p> <p>➤ Archives from generated images, data and settings to a user generated database.</p> <p>➤ Automatically resets to saved viewing parameters on image retrieval from a user generated database.</p>	<p>alongside an image from the database for comparison.</p> <p>➤ Archives from generated images, data and settings to a user generated database.</p> <p>➤ Automatically resets to saved viewing parameters on image retrieval from a user generated database.</p>
10	Technical Specifications, Section- VII, point No.8 of sub point 8.1 EMBEDDED PERSONAL INFORMATION DECODER MODULE (V8/IPI):	<p>IPI/ICI decoder</p> <p>➤ IPI (Invisible Personal Information) and ICI (Invisible Constant Image) module included to enable detection of IPI / ICI in passports and ID cards and ability to save settings.</p>	<p>IPI/ICI decoder or equivalent suitable decoder.</p> <p>➤ IPI (Invisible Personal Information) and ICI (Invisible Constant Image) module included to enable detection of IPI / ICI in passports and ID cards and ability to save settings.</p>
11	Technical Specifications, Section- VII, point No.9.	E- passport, CATD & ICAO reader standard (VSC/EREADER 1/A) stand alone or fully integrated software	E- passport, CATD & ICAO reader standard stand alone or fully integrated software or equivalent suitable software.
12	Technical Specifications, Section- VII, point No.10.	Licence for reference database of security documents – the archive collection (DB/ARCHIVE)	Licence for reference database of security documents – the archive collection (DB/ARCHIVE) or suitable database
13	Qualification/ eligibility criteria – IX, Experience & Past	The bidder should have supplied at least one Security Document Examination	The bidder should have supplied at least one Security Document Examination System



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	Performance, point No. C	System for Indian Bank Note material/ during the last five years period ending 31.10.2019	to any Indian Bank Note/RBI/ Currency corporation/ Customs department/ immigration department/ Govt. Scientific Laboratories/ forensic department in any one year during the last five years period ending 31.10.2019.
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Except for details mentioned herein, all other details contained in the tender no. BNPM/NCB/SDES/693/2019-20 Dated 25.11.2019, shall remain applicable and unchanged.

