

(1) Specifications for Supply, Installation, Training and Commissioning (SITC) of Book Scanner:

SI No.	Specification	Required Values
1	Book Scanner Type	Overhead Book Scanning Kiosk (including Preview display screen)
2	Scan Area	A3 Size (Min. 15" x 18" or more) in Flat Mode
3	Book Thickness (mm)	Minimum 150 or better
4	Optical Resolution (dpi)	600 X600 dpi or better and customizable
5	Technology	Tri Linear CCD or better capable of achieving desired optical resolution and other image quality parameters
6	Scan Mode (Colour format)	Color, Gray Scale and B&W - All
7	Embedded PC configuration Processor	Intel quad core i3, Gen. 8 or better
8	Embedded PC configuration RAM	min. 8 GB or better
9	Embedded PC configuration Hard Disk	min. 240GB SSD or better
10	Embedded PC configuration OS	64 bit Linux or Windows Preloaded
11	Live Scan Preview	Required on colour display TFT or LED Monitor
12	Control Panel	Touch Screen Control Panel minimum 21" full HD 1920 * 1080, colour, multi-touch screen
13	Camera Resolution (with minimum 11,000 scan lines)	Linear CCD Camera, 21000 pixel and above. True Line Camera and not a Digital Camera mounted System.
14	Scan Speed (Sec per Scan) for A3 Scan @150 dpi	1 seconds or lesser
15	Processing Time / Cycle Time (Scanning + Image Processing + Storage) (Seconds)	3 Seconds or lesser
16	Max Scanning time (A3+ color in sec)	200 dpi: < 3 seconds 300 dpi: <5 seconds 400 dpi or more: <7 seconds
17	Color Depth	minimum 48 bit color, 16 bit grayscale
18	Scan Output	minimum 24 bit color, 8 bit grayscale
19	Light Source	White LEDs UV/ IR free
20	Lamp lifetime	minimum 50,000 hrs or better
21	Light	Uniform on entire A3+ size with no shadow in the book spine
22	Curvature	Laser controlled / Automatic book fold correction and straightening the curvature.
23	Book Holder / Cradle	Flat Bed, Manually adjustable V-shaped cradle, Folder Mode
24	Flat	Flat A3 Size / Two X Legal Size (or more) Pages Book when 180 degree open

SI No.	Specification	Required Values
25	V Cradle	Built in & Adjustable, Flat cum V-Shape Cradle to scan both pages in Single Scan (tight bound thick fragile books which do not open fully flat) as single image or deliver two pages, including spine area or split in two pages.
26	File Folder Scan	Variable (Two Levels) Surface of Spiral books / File folder (left & right page) as single image and/or separate two pages.
27	Profile detection	Laser assisted auto selection of the document in V shape or Flat or Folder Mode for paper detection and Height for auto focus without glass plate.
28	Automatic finger/thumb removal option	Yes
29	Automatic crop and deskew	Yes
30	Working mode (Page turning)	Manual
31	Scans directly to USB, Email or the Cloud	Yes
32	Network Interface	GB Fast Ethernet connectivity TCP/IP.
33	USB Ports	minimum 1 x USB 3.0 port, and 3 x USB 2.0 port or more
34	Output file formats Supported	Multipage PDF (PDF/A) and TIFF, JPEG, JPEG 2000, PNM, PNG, BMP, TIFF (Raw, G3, G4, LZW, JPEG), or more
35	Electrical Specification	200 to 240 VAC, 50/60 Hz
36	Operating Temperature (Degree C)	15 to 40 °C
37	Operating Humidity (% RH)	20 - 80
38	Supported Operating Systems	Operates from any Browser, on any OS
39	Software required	Single User Licensed software for Bulk Book Scanning, Batch Scanning Software, network Based Scanning - independent of OS, OCR for searchable PDF / Text conversion (English), and at least 4 language (Hindi, English, Gujarati, Sanskrit) OCR Software, along with any other software and drivers necessary for achieving full functionalities of the scanner. Personal Computer for uploading bulk-scanning software, which shall be made available by the buyer.
40	Accessories	Foot Paddle for Hands Free operations of tightly bounded book, V Shape Glass Plate KIT, Calibration Charts, Network Cable. BIS approved Adaptor along with any other accessory required for achieving full functionalities of the scanner, except Personal Computer for uploading bulk scanning software, which shall be made available by the buyer.
41	Daily Duty Cycle (Number of Pages/day)	minimum 2500, A3 pages or more
42	Certifications	Specifications must be Bureau of Indian Standards (BIS) certified and Energy Efficient.
43	Installation, Commissioning and training	Vendor to scan A4, A3 pages, Bound, Tight bound books for the proper training on operations.
44	On Site, full coverage OEM Warranty (Year)	5 years Onsite warranty including Service, Labour, Spare Parts, Lamps and Software Support

SI No.	Specification	Required Values
45	Price Quote	Price quoted should be inclusive of all features, software, accessories, training cost, freight, labour and travel charges, taxes, etc.