

Annexure – I: Technical Specifications for Wide Format Integrated Plotter cum Scanner cum Copier – A0 Size

S. No	Specification	Particulars	CMTI Remarks	Vendor Remarks
1.	Machine		Essential	
1.1.	Plotter	Wide Format Integrated Plotter cum scanner cum copier – A0 Size – Qty 01 No.		
1.2.	Make	KIP/CANON/RICOH		
1.3.	Model	Vendor to Specify Model Number & year of manufacturing (2021 or latest model)		
1.4.	Function	Print, Copy, Scan		
2.	PRINT / COPY		Essential	
2.1.	Print technology	Electrophotography (LED) with organic photoconductor (OPC) and closed toner system / Radiant Fusing Technology		
2.2.	Print/copy mode	Monochrome/Grayscale		
2.3.	Print Size	36-inch width or higher		
2.4.	Print Speed	3 A0 size per minute (minimum)		
2.5.	Warm-up time/ First print time	Less than 2 minutes from standby/ sleep mode		
2.6.	Print resolution	600 dpi (minimum)		
2.7.	Print line accuracy	+/- 0.1%		
2.8.	Zoom feature	Vendor to Specify (Size Enlargement/Reduction)		
2.9.	Print length (max.)	Vendor to Specify		
2.10.	Print Applications	Line drawings, renderings, documents, presentations, maps, photographs		
2.11.	Print File Formats	DWG, DXF, DWF, PDF, PDF-A, TIFF, JPG, PNG, JPEG, WMF, BMP, XLS/XLSX, DOC/DOCX, PPT/PPTX		
2.12.	Copy zoom setting	Copy 25 to 400% reduction/enlargement at 1% increment		
2.13.	Copy Features	Features for setting copy quality, paper type, paper output, job queue storage mode		
3.	Media		Essential	
3.1.	Paper feed method	Input: <ul style="list-style-type: none"> • 2 Automatic roll feeds (minimum) • one manual cut sheet feed (Bypass feed) • Automatic roll switching Output: <ul style="list-style-type: none"> • Output stacking tray & catch basket for large sheets, automatic cutter (Capacity of tray to be specified by Vendor) Calibration sheet to be included in the scope of supply		
3.2.	Paper sizes	11" to 36" width <ul style="list-style-type: none"> • ARCH: B, C, D, E, E1, 30", 21", 15" • ANSI: B, C, D, E • ISO: A3, A2, A1, A0, B1, B2, B1_700, B2_700 • Width - 11"-36" (11",12",15",17",18",21",22",24",30",34", 		

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		36") (279-914mm) Vendor to Specify Media /Paper minimum Thickness		
3.3.	Media type	Specify media types from listed below: <ul style="list-style-type: none"> • Plain paper, Polyester Film, Tracing and Vellum Bond / Vellum / Film • Bond and recycled papers, poster papers, polypropylene, Tyvek papers, matte film 		
4.	SCAN		Essential	
4.1.	Scan type	Monochrome & Colour Scanning		
4.2.	Scan Width	11" to 36" width		
4.3.	scan resolution	600 dpi (minimum)		
4.4.	Scan format	Multipage TIFF (default), single page TIFF, single- and multipage PDF, single page JPEG, single- and multipage high compression PDF, PDF/A, DWF , Multipage DWF		
4.5.	Scan destination	Local USB, FTP, Printer storage, Network folder (SMB)		
4.6.	Scan preview	Scanned image preview & Real time zoom of scanned image should available on touch screen monitor		
5.	Controller		Essential	
5.1.	Hardware	<ul style="list-style-type: none"> • Vendor to specify processor, graphics & other system details • RAM: 2GB (minimum); Specify expandable memory capacity • Storage capacity: 320 GB (minimum) • User interface display – 9" (minimum) LCD touch screen operator panel • Stabilizer to be supplied along with plotter 		
5.2.	Software	<ul style="list-style-type: none"> • Vendor to specify the Plotter software • Print Support for CAD softwares - AutoCAD, Act CAD, Solidworks, Unigraphics NX, CATIA, Creo • Windows (7,8,10 and latest) & Mac OS Compatible Drivers should be supplied • User manual (Hard copy/ Soft copy) to be supplied with the equipment 		
5.3.	Network Interfaces	1000Base-T Gigabit Ethernet port Network protocol – TCP/IP; LPR USB 2.0 port or latest		
5.4.	Power compatibility	230V AC ($\pm 10\%$), 50 Hz ($\pm 5\%$)		
6.	Features	<ul style="list-style-type: none"> • Automatic roll selection and switching • Automatic sheet cutter • Plot manipulation: Rotation, auto scaling, positioning • Recopy last copy/ set produced • Print directly from USB • User authentication • Job accounting • Print queuing - Queue management for 	Essential	

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		print, copy & Scan jobs • User replaceable cartridge		
7.	Warranty	OEM warranty (labour, parts, on-site) for minimum of one year from date of installation at site for equipment and all accessories. The warranty shall include replacement of faulty parts. Any firmware/software upgrade to remove bugs or to enhance performance, manageability, security shall be provided free during warranty period	Essential	
8.	AMC	Vendor to quote separately for comprehensive AMC after warranty period for the offered plotter • Option 1 – 1 year • Option 2 – 2 years • Option 3 – 3 years		
9.	Certifications	Latest Version of IEC-60950-1 / IS 13252 /UL-60950	Essential	
10.	Print & scan heads	Replacement of Print & scan heads in the scope of vendor until warranty period.	Essential	
11.	Acoustic Sound	Vendor to specify maximum operating noise levels	Essential	
12.	Cartridges	Equipment shall be supplied with 3 Nos of toner cartridges	Essential	
13.	Service call Response time	Vendor to specify	Essential	
14.	Toner Wastage	Vendor to specify toner wastage	Essential	
15.	Training	Free onsite training on the plotter operation and it should be provided within one month after supplying the equipment.	Essential	
16.	Environmental Conditions	Temperature : 5 to 50°C Operating humidity range : 20 to 80% RH Non-AC Closed environment	Essential	
17.	General terms	a) Vendors should quote for all the above items. b) Vendors must specify the make/ model numbers of the all items being quoted and in cases where more than one model or make is offered, the final choice will rest with the indentor. Offers that have been blindly copied from the tender specifications are not acceptable. c) Offers should be accompanied by relevant technical literature (catalogue related to the product offered, mentioned standards etc.). d) Specification of the product should be verifiable from the OEM website. e) Attach detailed specification sheets of the models quoted. Failing which may lead to rejection of quotation. f) Vendor shall supply hard copy of Sample print (A0 size) from the offered plotter model	Essential	
18.	Vendor requirements	a) Vendors should be an Authorized	Essential	

		<p>Partner/Reseller and Service provider of offered product, certificates copies to be attached along with the offer.</p> <p>b) Only original manufacturers / large assemblers of Coloured Plotter Cum Scanner Cum Copier- A0 size systems or their authorized dealers with adequate Quality Control facilities need to submit their offers. Authorized dealers should also enclose letters of authorization from their principals with commitment for support and service of the system during the warranty period.</p> <p>c) Vendors with less than three years of experience in manufacture / assembling of Coloured Plotter Cum Copier Cum Scanner Cum Copier- A0 size systems will not be considered.</p> <p>d) The bidder shall clearly give the references to previous orders (at least 3) executed by them for the offered/ similar equipment.</p>		
19.	Supply and commissioning	Supply, Installation and commissioning of the plotter at the purchaser's premises, i.e., CMTI , Bengaluru is the responsibility of the vendor.	Essential	
20.	Others	<p>a) All power cords supplied must be as per Indian standard.</p> <p>b) All items shall be supplied with any Cables/CDs/DVDs/Software/Online support included in the box and as intended by OEM.</p> <p>c) The driver software CD/DVD for this item shall be supplied.</p> <p>d) All equipment installation and commissioned shall be demonstrated to the satisfaction with all the features and functions.</p> <p>e) Failure to comply with the above requirements and in-sufficient information may lead to rejection of offer.</p>	Essential	

Note:

The plotter will be finally accepted based on the compliance in above acceptance criteria. Hence, the bidder must go through the acceptance criteria and convey their acceptance unambiguously. The compliance statement against all points of tender to be submitted along with technical bid.

