



**Indian Institute of Technology Kanpur**  
**Department of Electrical Engineering**

Enquiry No: IITK/EE/MIPS/01 /2017

Date:11/10/2017

Closing Date: 06-11-2017

Sealed quotations are invited by post/courier for the supply of following item as per the specifications mentioned below along with complete terms and conditions. Party must attach all the related certificates like Agency certificate, Proprietary item certificate (if applicable) etc. Quotation not accompanied with proper certifications will be rejected.

Sr.No.	Complete description / specification of items required	Qty.
1	Artec EVA Lite with Artec Studio License (20 users) Battery Hard Case for EVA Lite,USB Cable,Power Supply & Related software	01

Sr.No.	Specification	Description
<b>Hardware</b>		
1	Scanning technology	structured light
2	3D reconstruction rate	16 FPS
3	Scanning Operation	Scanning under ambient condition with consistent reliability and accuracy.
4	Data Acquisition Speed	2 man points / sec
5	3D point accuracy	0.1 mm
6	Power consumption	12V, 48W
7	working distance	0.4 - 1 m
8	Easy to use	Marker free scanning with no object preparation essential
9	Scanner Calibration	No calibration or minimum calibration requirement should be easy to calibrate.
10	Scanning Black Objects/HDR	Should be able to scan Black colored parts without much preparations
11	Linear Field of View, H x W	Closet Range: 214 x 148 mm Furthest Range: 536 x 371 mm
12	Angular Field of view, H x W	30 x 21° degree
13	Interface	USB 2.0 and USB 3.0
<b>Software</b>		
1	Output format	OBJ, PLY, WRL, STL, AOP, ASCII, Disney PTEX, E57, XYZRGB
2	Output format for	CSV, DXF, XML
3	OS Support	Windows 10, 64 bit with Multi core processing
4	Scan Alignment	Software to support both manual and automatic align of surfaces, including flat surfaces. Software should automatically align with geometry as well as texture of part
5	User Friendliness	Software to support defeature tool to automatically erase imperfections and fill holes with one click operation. Software should be able to guide through the steps and analyze data to build the best possible scanned data.
6	Measurement Tools	Software to have measurement tools for Linear, geodesic, sections, distance maps, Volume measurements, annotations, DXF export
7	Noise Filter Features	Software to have customizable 3D noise filters. It should automatically delete the flat background on the scanned objects (i.e. base / noise), to minimize manual erasing process.
8	Software User Settings	Software to store different types of user settings and switch between them freely.
9	Auto pilot mode	Software should have an auto pilot mode for processing the data without any human interfere based out of the basic information provided at beginning.
10	Automatic base removal	Software should have capability to remove extra base data captured during scanning
11	Automatic sensitivity for black or shiny object	Software should have capability to control the sensitivity automatically according to the part to be scanned
12	Certified reseller from OEM	Supplier should be certified reseller from the OEM & has to be submit the authorization certificate along with the bid.

## Terms and conditions

1. Quotation should also carry certificates such as agency certificate, proprietary certificate.
2. All envelopes should be marked with enquiry number.
3. Cost of the item with technical specifications in detail.
4. Maximum education discount, if any, should be offered.
5. Installation: the price should be inclusive of full installation on site with full functionality. demonstration
6. Training & Installation at our site should be done free of cost.
  
7. Enquiry will be sent by courier / registered post / speed post and IIT Kanpur will not be liable for any kind of irregularity/delay.
8. The Rate offered should be free delivery to IIT Kanpur or Ex-go down in case of firms situated outside of Kanpur. If items are imported then the firms should quote the price on **F.O.B. / OR/ C.I.F basis**.
9. The rates offered should be exclusive or inclusive taxes. The rates applicable should clearly be specified .
10. The firms are requested to give detailed description and specification together with detailed drawings and printed leaflets and literature of the articles quoted. The name of manufacturers and country of manufacture should also be invariably be stated. In the absence of these particulars the quotation is liable for rejection.
11. The right to reject all or any of the quotations and to split up the requirements or relax any or all of the above conditions without assigning any reason is reserved.
12. All the consignments must be securely packed and booked duly insured addressed to , IIT Kanpur 208016.
13. Institute is partially exempted for payment of Custom Duty @ 5.15% under notification 51/96 and road permit will be provided if applicable.
14. The Penalty @ 1% per week or part thereof subject to a maximum of 10% of the delivery price will be deducted from the balance payment if supply is not completed within stipulated period.
15. Our standard payment terms & condition is 90% against delivery and 10% after inspection and approval.
16. The quotation must reach us latest by 6<sup>th</sup> November, 2017, 5:00 P.M.

Prof. Rajesh M Hegde  
Department of Electrical Engineering  
Indian Institute of Technology Kanpur  
Kanpur- 208016  
Uttarpradesh  
INDIA

For any clarification, please contact: [rhgde@iitk.ac.in](mailto:rhgde@iitk.ac.in)  
+91-512-259-6248 (Off)