



## Indian Institute of Technology Kanpur National Centre for Flexible Electronics

**Enquiry number: SCDT/FLEXE/2022-23/01**

**Date: 12 May 2022**

Opening Date : 13/05/2022

Closing Date : 23/05/2022

Sealed quotations (**technical and commercial separately**) from prospective vendors are invited by the National Centre for Flexible Electronics, IIT Kanpur for “**Low Inertia Idle Rollers for Roll-to-Roll Printing Machine**” with the following technical specification.

We are looking for Low inertia idle roller for use on a roll-to-roll printing machine.

Total required quantity-

Roller with 625 mm shaft length = 13 Nos.

Roller with 425 mm shaft length = 5 Nos. (Please refer to Figure 1 and Figure 2)

### **Technical Specifications:**

<b>Parameter</b>	<b>Values</b>
Tube Material	Carbon Fiber
Hub/Collar material	Aluminum/ SS304
Shaft material	SS304
Bearing	Appropriate as per requirement
Roller outer diameter	100 mm $\pm$ 0.5mm
Roller width / Face length	390 mm
Surface roughness on Face	>200nm
Shaft diameter	25 mm
Shaft length	625 mm / 445 mm (refer to requirement section for individual quantity)
Maximum tube weight	2 kg
Maximum deflection	0.02 mm
Applicable maximum web tension	200 N
Maximum wrap angle	180°

# Technical drawings:

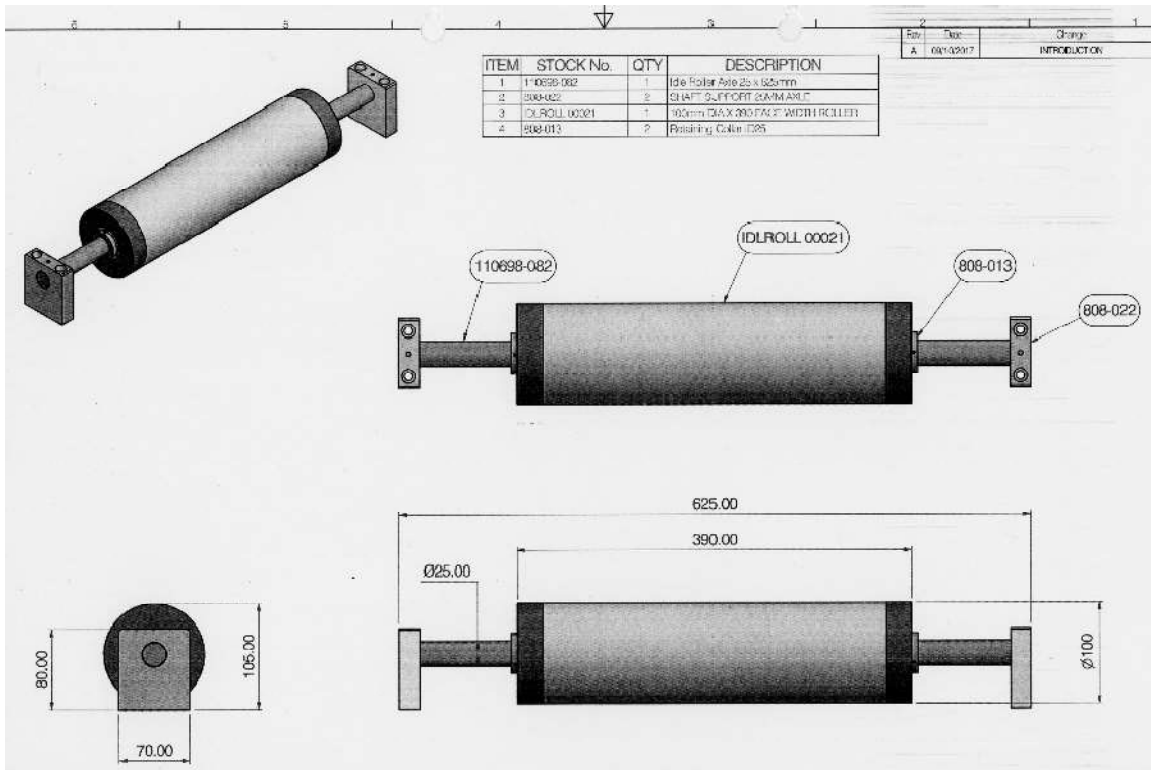


Figure 1: 625 mm shaft length

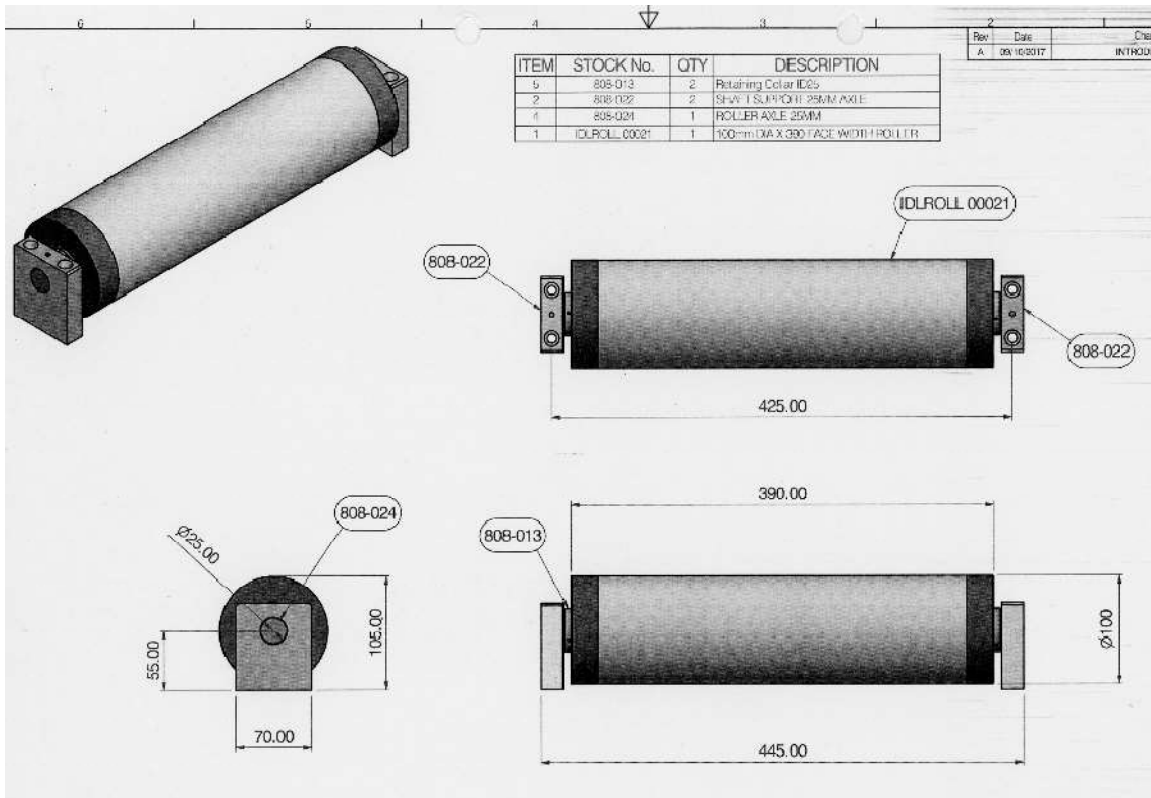


Figure 2: 425 mm shaft length

## **General Terms & Condition.**

1. All vendors are requested to submit “**technical and financial bids**” together in separately sealed envelopes.
2. Evaluation will be done on the basis of technical specifications given in tender document.
3. Financial bid will be open for those only who qualify all the technical specification as per our tender notice.
4. Quotation must be valid for 60 days.
5. Payments terms:100% after delivery.
6. Warranty should be clearly mentioned, the Warranty must start from the date of installation at IITK.
7. Only OEM or its authorized agents should quote, Quotation should carry proper certifications like proprietary certificate/ authorization certificate from manufacturer, etc.
8. Quotation must integrate FOR prices.
9. GST on purchases meant for research purposes is applicable @ 5% only.
10. The delivery period should within 1 month after receipt of PO.
11. At any time prior to the deadline for submission of bid, the institute may, for any reason, at its own initiative, modify the bid document by amendments. Such amendments shall be uploaded on the website through corrigendum and shall form an integral part of bid document. The relevant clauses of the bid document shall be treated as amended accordingly. It shall be the sole responsibility of the prospective bidders to check the website from time to time for any amendment in the tender document. In case of failure to get the amendments, if any, the Institute shall not be responsible for it.
12. The Penalty @1% per week or part thereof subject to max 10% of the delivery price will be deducted from the balance payment, if supply is not completed within aforesaid delivery period.
13. The indenter reserves the right to withhold placement of final order. 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.

Prof. Y.N. Mohapatra,  
National Centre for Flexible Electronics  
Indian Institute of Technology Kanpur  
Uttar Pradesh-208016, India.  
Email: [priteshg@iitk.ac.in](mailto:priteshg@iitk.ac.in) (end-user)  
Contact: 0512-259-6088