

Date: 27 Sep 2023

**CORRIGENDUM-II TO TENDER NO**  
**No: IISER/PUR/0596/VK/SP/23-24**

**Sub: Supply, Installation and Commissioning of a semiautomatic Wire bonder machine: reg**

**Ref: Tender Enquiry No. 2023\_IISRT\_766013\_1**

1. The above mentioned tender is retendered with revised technical specifications as per Annexure 1.
2. The due date and date of opening are extended as follows: -  
**Last Date and Time for uploading of bids: 17 Oct 2023 (1500 Hrs)**  
**Date and Time of opening of Technical bids: 18 Oct 2023 (1530 Hrs)**  
**Date of opening of price bid: Will be intimated later**
3. All other Terms and Conditions remain the same.

Thanking You,

Yours Faithfully



  
Deputy Registrar (P&S)

Annexure 1 to CORRIGENDUM-II TO TENDER NO  
No: IISER/PUR/0596/VK/SP/23-24

**A semiautomatic Wire bonder machine**

Specification	
Wire material:	Au, Cu, Ag, Al
Bonding type:	Ball bonding, Wedge bonding and Ball Bump
Minimum bond pad size:	150x150 $\mu\text{m}$ , pad pitch of 200 $\mu\text{m}$ or better:
Distance btw 1st & 2nd Bond:	At least 1 – 5 mm or better
Metallization thickness of 100 nm of material Au/Al with a bond pad appropriate seed layer compatibility	
Wire Dimension: 20-75 $\mu\text{m}$	20 -75 $\mu\text{m}$ or better
Ribbon max:	25 x 250 $\mu\text{m}$ or better
Axis Control:	Motorized Z & Y, Manual X
Vertical Access Depth:	16 mm or more
Ultrasonic System:	PLL control Transducer about 62 KHz
Ultrasonic Power:	0-2 Watt output or more
Bond Time:	15 - 2,000 msec or better
Bond Force:	15-150 cN or better
Heater Stage Controller:	Built-in 250°C or more.
Electric Requirements:	AC 220 V, Single Phase, 50Hz



*Handwritten signature and date: 27/09/23*

### Optional items

- Wires: Au: 25  $\mu\text{m}$  and Al : 33  $\mu\text{m}$ , each spool of Length 100 m.
- Heater stage with pick and place
- Starter kit
- Manual Z-axis control
- Video Targeting system
- Wedge tools 2 numbers, 1 for Al and 1 for Au.
- Attachments for wire pull gauge to test the pull strength available
- Any other items

### Other conditions

- All the supporting documents, catalogues, notes and any prior publications from the system must be attached.
- Should have trained service engineers, provide the contact as well as certificates, if any.
- The Equipment should have international standard of safety and compliance. Please attach CE or ISO certificates.
- Should have supplied at least three systems to national institutions like IITs, NITs or equivalent. User list to be provided with contact details, supporting publications if any.
- A compliance report on all of the above with actual parameters specified wherever warranted.



