

**Name of Item: Lab Scale Twin Screw Extruder & Pelletizer (Quantity – 1)**

**Technical Specifications**

- Extruder : 18 -25mm (in between) Twin Screw Extruder  
Temperature selectable upto 400C with a precision 2deg or better
- Adjustable speed / feed controllers  
Output : 1 to 5 kg / hr lab scale use
- Compact lab Scale
- Suitable for various compounding engineering polymers, short fibre, nanocomposite blend
- With pelletizer unit

**Terms and Conditions:**

- The equipment must have One Year warranty. Quote must include warranty and AMC cost for the 2<sup>nd</sup> and 3<sup>rd</sup> Year. Total cost for 3 years will be considered for the finance bid price comparison.
- The Quote must also include installation and delivery at IIT Madras.
- All necessary manuals, perpetual license of software (necessary for operation and maintenance) must be provided. Software Key must be provided for installation at other systems, in case of fault in the supplied system or software reinstallation situations.
- The ONE DAY training on the equipment utilization and maintenance must be provided.
- Quote must include essential cables, connectors, standard samples, consumable needed.
- The bidder must either be OEM or legal representatives of the OEM in India
- The supplier must have supplied and installed similar equipment / instrument of at least 5 in last 3 Years. Proof of supply and installation and location of the installation must be mentioned in the quote.