

TECHNICAL SPECIFICATIONS AND OTHER ALLIED REQUIREMENTS

Sl No.	Description of items	Quantity
File No. PUR/360/HCR&CG/PK/L/2023-24		
1	Procurement of 3D Printer (DETAILED SPECIFICATIONS AS PER ANNEXURE – I)	1 No.

1. DELIVERY:

The delivery is to be completed within 06 weeks from the date of issue of Purchase Order.

2. PAYMENT TERMS:

100% payment shall be paid within 30 days after delivery of 3D Printer and acceptance of the material upon submission of claim supported by the acceptance certificate issued by the purchaser.

3. BID SECURING DECLARATION FORM:

Bid Securing Declaration is to be submitted by the Bidder as per the format prescribed in the tender document.

4. MANUFACTURER AUTHORISATION FORM:

Manufacturer Authorisation Form will be provided by the supplier.

5. WARRANTY:

01 Year warranty will be provided by the supplier from the date of satisfactory delivery and acceptance of the ordered goods.

Annexure-I

Specifications of 3D Printer

S. No	Feature	Specification
1	Print Technology	FDM (fused Deposition Modelling) or FFF (Fused Filament Fabrication)
2	Build Volume	Single extruder: 400*300*300 or more Dual extruder: 300*300*300 or more (all axes)
3	Extruder	Double
4	Filament Diameter	1.75 mm
5	Layer Resolution	0.08 or better
6	Filament Compatibility	Should mandatorily support all of (i) ABS, (ii) PLA, (iii) PETG, (iv) PVA, (v) PP, (vi) TPU, (vii) PA / Nylon composites, (viii) PC, (ix) PEEK or CF reinforced composite filament ATLEAST.
7	Nozzle Diameter	0.4 mm (default) and other optional
8	Print File Type	Atleast STL, OBJ
9	Printing speed	50 mm/s or better
10	Max. Nozzle Temperature	350°C or more
11	Max. Bed Temperature	120°C or more
12	Max. Chamber Temperature	50°C or more
13	Printing Field	Full closed covering

SPO

01/02/24