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Gram : “ELECTRONIC” Pilani

No. SPO/EOI/10-Pur/2018/1

Dated: 2.8.2018

EXPRESSION OF INTEREST FOR PROCUREMENT OF “ 3D Printer”

Director, CSIR- CEERI, Pilani invites interested manufacturer / authorized distributors only to participate in per-indent conference for procurement of the “3D Printer” which is required for working in the area of smart sensor devices, semiconductor technologies, flexible electronics, Micro fluidics, MEMS and high frequency high power microwave devices. Proto type devices/ components like grating, metal cavity, flexible PCB, micro-fluidics channel, MEMS cantilever, MEMS switch metal electrode on polymer are required for catering new generation of advance level research and development purpose. For realization of such components there is a demand of 3D printer, for above mentioned area, which can handle various materials such as metal, polymer, and insulator. Broad specifications of proposed 3D printer is as follows:

S. No.	Parameters	Value
1	Build Volume	≥ 250 mm x 250 mm in X and Y and ≥ 5 mm in height.
2	Minimum feature size	≤ 50 μ m
3	Print Resolution	≤ 3 μ m in X and Y and ≤ 0.05 μ m in Z direction
4	Material	Metal:
		Insulator
		Polymer
		Semiconductor
		Copper, Gold, Silver, Iron, Nickel, Platinum, Titanium, Aluminum, Chromium
		Alumina, Glass, SiO ₂ , Si ₃ N ₄
		PMMA, PDMS, ABS Plastic, Nylon
		2D materials, CNT.

The meeting will be held on 17.8.2018 at 11.00 A.M. in CSIR-CEERI Conference Room. The interested participants should visit CSIR-CEERI, Pilani at their own cost and should bring supporting documents i.e. leaflets/technical literature and also be able to deliver technical presentation of the 3D Printer.

Stores & Purchase Officer