



Mahatma Gandhi University, Kerala

Supply and Installation of the Scientific Equipment BenchTop XRD for AMMRC

Required specifications for BenchTop XRD (for e-tendering)

X-ray generation	30 kV , 10 mA or better
X-ray Wavelength source	Copper (Cu)
Detector	Scintillation counter
Scanning range	5 - 120° or more
Accuracy	0.02° or better
Minimum step width	0.005°
Power supply	240 V , 50 Hz
Cooling	High quality chiller with accessories
Sample Holders	20 nos. of 0.5 mm grove plates and 20 nos. of 0.2 mm grove plates should be supplied
Computer & Printer	Branded computer with 22" monitor with Licensed Windows OS, Colour laser printer and other accessories
Software	Necessary software for data collection and qualitative analysis
UPS	Necessary UPS system with batteries for 1 hour backup for complete system
Warranty	The quote should include minimum 3 years warranty followed by Annual Maintenance Cost for additional 2 more years
Price	Should include shipping charges, installation at our site and training to our staff.
User Base	The vendor should be active in business of XRD system in India and should have carried out at least 20 installations of XRD instrument at various institutions in India. The vendor should submit their users list for the quoted model with year of installation with addresses, email and phone/mobile numbers, etc.