

S. No.	Description/Specifications/Part No. of Scientific/Technical/ Administrative Stores	Qty Required
1	2	4
1.	X-Ray Diffraction (XRD) Model: EXP-Vertical mod. Theta/Theta with <i>Dr. E. A. Arslan</i>	01
1.1	Variable divergence slits: 0-4°	
1.2	Variable anti-divergence slits: 0-4°	
1.3	Variable receiving slits: 0-6mm	
1.4	Soller slits: 2.3°	
1.5	Steel back loading sample holder(2)	
1.6	Steel side loading sample holder (2)	
1.7	Steel massive sample holder (2)	
1.8	Ni filter	
1.9	Rotating sample holder	
1.10	Multiple sample holder with integrated spinner	
1.11	Celerix 1D mod. Advanced	
1.12	High voltage supply unit	
1.13	High voltage cable/sockets	
1.14	DAC: Data acquisition and electronic interface	
1.15	Tube shield mod. 1F-L	
1.16	X-ray tube: Glass fine focus, Cu anode X-ray tube	
1.17	Water cooling system	
1.18	Modern SAX-Acquisition software	
1.19	Modern SAX-Analytical software	

S. No.	Description/Specifications/Part No. of Scientific/Technical/ Administrative Stores	Qty Required
1	2	4
1.20	Search and match software: Match	01
1.21	Endeavour: structure solution from powder diffraction	
1.22	Computer: Model dell OptiPlex 7010MT: Mini-Tower chassis Process: Intel core i7	
1.23	Monitor: Dell E-series E1913 48cm (19")LED Monitor VGA, DVI-D	
1.24	Laser printer: (1440x900) Black	
1.25	Manufacturer GNR Analytical Instruments	
1.26	Thin film attachment Thin Film Configuration (XRR, GIXRD) Z, PHI, CHI sample stage Parabolic parallel beam Ni/C monochromator	
1.27	Secondary graphite monochromator	
1.28	Si low background sample holder	
1.29	High resolution X-ray digital camera	
2.	Spare Parts:	
2.1	Steel back loading sample holder	01
2.2	Steel side loading sample holder	01
2.3	Steel massive sample holder	01

S. No.	Description/Specifications/Part No. of Scientific/Technical/ Administrative Stores	Qty Req.
1	2	
2.4	Glass X-ray tube (Cu, W, Mo, Co, Fe, Cr, Ag-FF, NF, LFF, BF)	01
2.5	Ceramic X-ray tube (Cu, W, Mo, Co, Fe, Cr, Ag-LFF)	01
2.6	Crystallographic database ICDD-PDF2	01
2.7	Crystallographic database ICDD-PDF+4	01
2.8	PDF-4/Minerals	01
2.9	PDF-4/organics	01
2.10	Web PDF+4	01
2.11	Aluminium sample holder	01
2.12	Polycapillary high brilliance collimator	01
2.13	XRF SDD 25	01
	Manuals (English) Hard and soft copies a. Installation b. Repair and maintenance Training Free of cost, 2 week training at supplier site for 02 persons Make: GNR Analytical Instruments <i>OR</i>	

Equivalent