

GOVERNMENT OF NAGALAND
DIRECTORATE OF GEOLOGY & MINING
NAGALAND: DIMAPUR

Item wise Technical specification and cost for instruments proposed by DGM Nagaland under Financial assistance for procurement of machineries/equipments under NMET funding

Sl. No	Item	Brand	Technical specification	Amount (₹) Excl GST
1	Air Oven	Up-to-Date Technologies	Stainless Steel imported 18"x18"x18" 50Ltr Double-walled, Outer chamber made of M.S. Powder Coated. Temp. up to 250deg C. Thermostatic controlled, Heating Element on three sides. The thermometer is provided on top. The scale is calibrated in 5 deg C Steps.	1,60,000.00
2	Fusion Bead Machine	Malvern Panalytical	Model: Claisse LeNeo Fluxer, Mono Positioned. <ul style="list-style-type: none"> • Pt-Au 5% crucible 25 ml • regular mold, 40mm • 40 mm mold holder • LiT/LiM/LiI 50/50/0.5P pre flux • reshaper 40 mm shallow) 	39,36,000.00
3	Proximate Analyser	VELP Scientifica	Model EMA 502 Elemental Analyzer CHNS-O <ul style="list-style-type: none"> • Method Of Analysis CHNS: Combustion • Analysis Time CHNS: from 12 minutes, • Detector TCD (Thermal Conductivity Detector) • Sample Weight Up to 100mg (depending on C content) • Auto sampler Capacity up to 4 discs, 30 positions each (up to 117samples) • Precision $\leq 0.2\%$ Analytical Range C 0.001 – 20mg with Helium; 0.01 – 20mg with Argon • Analytical Range H 0.001 – 5mg with Helium; 0.01 – 5mg with Argon • Analytical Range N 0.001 – 20mg with Helium; 0.01 – 20mg with Argon • Analytical Range S 0.01 – 6mg with Helium • Analytical Range O 0.005 – 6 mg with Helium • Carrier Gas Helium or Argon (Argon for CHN determination) • Combustion / Pyrolysis Temperature CHNS: 1030°C O: 1060°C. <i>(Included: 1000 sample analysis kit for</i>	40, 26,000.00

Sl. No	Item	Brand	Technical specification	Amount (₹) Excl GST
			<i>CHNS, Helium Cylinder with Dual Stage regulator including SS tubing and fitting, Argon Cylinder with Dual Stage regulator, Oxygen Cylinder with Regulator)</i>	
4	Bomb Calorimeter	VELP Scientifica	Model: CAL3K-S CALORIMETER (Recalibration not required upto 5000 analyses)	10,28,000.00
A. Total (Exclusive of GST)				91,50,000/-
B. 18% GST				16,47,000/-
Total (A+B)				1,07,97,000/-

(Dr. KENYELO RENGMA)
Addl. Director