



DEPARTMENT OF BIOTECHNOLOGY
SCHOOL OF LIFE SCIENCES
MIZORAM UNIVERSITY
(A Central University)
P. B. No. 190
TANHRIL, AIZAWL – 796004: MIZORAM, INDIA

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DBT/TWINNING-PRJ/TRS/2017/Tender-1

Aizawl 21st April 2017

Invitation for quotations for supply and installation of equipments under the DBT, Govt. of India, and sponsored project entitled “Collection, taxonomy, molecular characterization and Conservation of Musa Germplasm from North-eastern Region (NER) of India”

Sealed quotations are invited for the following item(s) from interested parties/suppliers/dealers for the DBT funded project mentioned above. Details of the product, cost, manufacturing and/or dealership certificate inclusive of all taxes (delivery upto Mizoram University, Aizawl) should reached the undersigned **on or before 10. 30 a.m. of 19th May 2017.**

Sl. No.	Item	Major Technical Specification
1.	Horizontal gel electrophoresis unit with power supply	Midi Horizontal electrophoresis submarine unit with gel casting system and power supply - at least 1 year of guarantee
2.	Gel documentation system with image analysis software	Camera resolution with minimum of 5 megapixels; with free software for gel viewing, capture, editing, enhancement and calculations; compatible for Eth Br, and other fluorescence stains imaging - at least 1 year of guarantee
3.	SUV-VIS spectrophotometer	Quantification of sample volumes from 'Microlitres to Millilitres', Optical system - Absorption single/double-beam spectrophotometer with reference beam; Light source - Xenon flash lamp Wavelengths: 200 nm to 830 nm, smallest increment: 1 nm; Spectral band width: ≤ 4 nm, - at least 1 year of guarantee
4.	Refrigerated centrifuge – table top	18 position centrifuge for 1.5/2.0 ml tubes; Maximum Rotational Speed: upto 14,000 rpm Maximum rcf: 16,873 x g; Temperature: 0 °C to +40 °C; Acceleration time: minimum 11s Braking time: maximum 12s; Power supply: 230V/50-60Hz; Power Consumption: max. 320 W Standard rotor 18 x 1.5/2.0ml with aerosol-tight QuickLock lid; Fast Temp for rapid precooling of the centrifuge - at least 1 year of guarantee
5.	Green house	Total Working Floor area: 50 sq. m.; Structure: non-corrosive, humidity resistant, 120 km/hr wind load GI super structure; UV stabilized polycarbonate, anti dust, anti condensed, anti



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		drip claddings; 50% UV stabilized shading; Light Photosynthesis systems; Control panel and systems for light, cooling, humidity and heating; Buffer room with locking system; misting system; cement plaster flooring; ISI make electrical systems; wash basin, drain points, etc. - at least 1 year of guarantee
6.	UPS 5 KVA – 2 hrs back up	Online UPS with single phase 230 VAC output with inbuilt isolation transformer, 180V DC and minimum 2 hr SMF battery back-up - at least 1 year of guarantee

Sd/-

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