

Ref No: PG_Research_CESE/NV/Dec/02 Dated 14-12-2011
LAST DATE: 23-12-2011

Techno-commercial quotation is sought in closed sealed envelope to the undersigned on or before December 23, 2011, for the supply of “**Particle size analyzer**” with the following specific features of the instrument:

SPECIFICATIONS FOR PARTICLE SIZE ANALYSER	
	TECHNOLOGY AND MAIN UNIT
PRINCIPLE OF OPERATION	Laser diffraction technology with Mie Algorithm and Modified Mie Algorithm
PARTICLE SIZE RANGE	WET : 10nm to 2000 Microns and DRY : 240nm to 2000 Microns
MODE OF SAMPLE ANALYSIS	Wet mode & Dry Mode
SOURCE TYPE	Solid state laser
TECHNOLOGY	Multi laser technology preferably with two or three laser sources
LASER WAVELENGTH	780nm and 405nm
DETECTORS	Silicon photo diode detectors with more than 150 detector elements
SCATTERING ANGLE RANGE	0.03 to 160 Degrees
TYPE OF OPTICAL ALIGNMENT	Automatic alignment
	SAMPLE DELIVERY SYSTEM - WET
TYPE	Circulation type with centrifugal pump with turbulence stirring
CONTROL AND OPERATION	Fully Automated and SOP controlled operation
ULTRASONIC FACILITY	Should have built-in ultrasonic facility with variable power and time which can be set and controlled through software
VOLUME OF SUSPENSIO REQUIRED FOR MEASUREMENT	Less than 250ml
	SAMPLE DELIVERY SYSTEM - DRY
PARAMETER SETTINGS	Should have facility to set compressed air and flow conditions
ANALYSIS TIME	Programmable from as fast as 10 seconds
	SOFTWARE
SOFTWARE FEATURES	One click operation with simple measurement icons, Real time display of particle distribution measurement, Possibility of simulataneous measurement and data processing, Display of measurement conditions, Data Export facility into ASCII, EXCEL and HTML formats.
	TRACEABILITY AND VALIDATION
STANDARDS	NIST Traceable standards for both wet and dry applications
	BCR Validation standards
	DATA PROCESSING AND CONTROL
COMPUTER & PRINTR	Pentium Core2 Duo Processor, 2 GB of DDR RAM, minimum 500 GB Hard Disk Drive, DVD/CD-RW, 4 USB ports, 19 inch LCD Monitor, HP Key board, Optical Mouse and Color Inkjet Printer.
ACCESSORIES FOR DRY ANALYSIS	Suitable Air compressor and vacuum unit should be provided by the supplier. A vibration free table should also be included.

Terms & Conditions:

- (i) Prices should be quoted on FOB basis.
- (ii) Prices should include installation and on-site training
- (iii) Warranty should at least be for two years.
- (iv) Validity of quotation should be at least for 60 days
- (v) Authorized agents must attach proper agency certificate issued by principal supplier within 1 month.
- (vi) Attach proprietary certificate in case manufacturer is sole manufacturer.

Kindly send your best offer (Technical & Commercial) so as to reach us on or before December 23, 2011 to the following address. Kindly mention the enquiry number and last date on the top of envelop.

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