

HALDIA INSTITUTE OF TECHNOLOGY

HIT CAMPUS, ICARE COMPLEX, P.O. H.I.T., HALDIA, PURBA MEDINIPUR,
PH. NO. (03224)-252900 EXTN. 209 , FAX : (03224)-252800

Website : www.hithaldia.in

Tender No. : HIT/TEN/DBT-NE/BT/01

Dated : 16th November, 2019

NOTICE INVITING QUOTATIONS

Sealed Quotations are invited from enlisted/ reputed suppliers for supplying of Equipment under **DBT-NE** (SAN No. 102/IFD/SAN/2268/2019-2020 dated September, 30, 2019) grant for Biotechnology Department, of Haldia Institute of Technology.

Specification along with required quantity are detailed below.

Rate should be quoted in the following format including Tax[#] & delivery charges upto Haldia Institute of Technology.

All the Instrument are purchased for R&D porous only, Institute will provide DSIR certificate if requested (tax should be calculated accordingly)

Venders are also requested to supply the necessary supporting documents related to the instrument/ accessories which ever applicable (i.e. product detail; detail specification, manufacturer name, country of origin etc.)

Successful bidders have to deposit 5% of order value during acceptance of the Purchase Order.

You are requested to provide your offer latest by **30 November, 2019 upto 4 PM**. Quotation shall be submitted in a sealed envelope super scribing with **“Quotation for supply of Equipment under DBT-NE grant for BT Department”** to the **Principal, Haldia Institute of Technology, P.O. HIT, Haldia, Dist. Purba Medinipur, West Bengal, Pin – 721657, within 30.11.2019 upto 4 PM .**

Principal
Haldia Institute of Technology

Tender for Procurement of Fermenter and its accessories under DBT-NE project (SAN No. 102/IFD/SAN/2268/2019-2020 dated September, 30, 2019)

Item No.	Name of the instrument	Specification	Unit	Rate	GST Amount	Total Amount including GST
1.	Upright fluorescence microscope and accessories					
1.a	Upright fluorescence microscope	<ul style="list-style-type: none"> All metal microscope with rubber/skin friendly material coated controlling wheels and knobs. Microscope should be heavy and sturdy for longevity and prolong vibration free work. Transmitted light microscope in combination with 3-channel epi-fluorescence, suitable for BF, DF, PH and Fluorescence contrast methods. Illumination should be enough to upgrade the microscope to Decahead microscope. Should be an ergonomically designed microscope with all controls positioned within the reach of finger without much movement of hand. The wheels and knobs should be covered in soft-touch material. Nose piece to accommodate colour coded 5 objectives at a time. Achromatic aplanatic condenser and objectives 4x/5x, 10x, 40x, 100x. 100x must be fluor objective. (one 1.5X optional) Illumination intensity memory against each objectives so that same light intensity available while changing objectives. Auto switching off illumination facility for longer lifetime. 3 channel LED fluorescence for very long fluorescence uses without high recurring cost of mercury bulb. Filter be suitable for DAPI, FITC, Cy3. Fluorescence Camera should be modular and camera, microscope both should be from same manufacturer. Camera and microscope should be synchronised each other to store all microscope data on image including scale bar. Main camera control should be available at stand to capture image while observation through eyepiece. 2 Mpixel monochrome colour camera with HD video suitable for various devices like PC, Tablet, Smartphone; 	1 Unit			

		<p>with relevant image analysis software or similar/ upgrade version</p> <ul style="list-style-type: none"> The camera should be with USB 3.0, ethernet, Wifi for extremely easy connectivity. Trinocular optical head with 22 mm field of view with focusing eyepieces. The system should be full complete with Eyecups, dust cover, fluorescence light guard/shield, lens cleaning tissue, immersion oil from original manufacturer. 2 Year on-site Warranty 				
1.b	Colour CMOS camera	<ul style="list-style-type: none"> One Colour digital camera (5 Mpixel) and above, USB 3.0, with attachment for capchar non florescent image 2 Year on-site Warranty 	1 Unit			
1.c	Desk top PC	<ul style="list-style-type: none"> One number suitable Desktop PC Intel Core i5 CPU, Intel 310 Chipset Motherboard, 1TB HDD, 4GB RAM or above (4GBX2), 2GB Graphics Card, 21" LED HD Monitor or above, Keyboard, Mouse etc. 2 Year on-site Warranty 	1 Unit			
1.d.	UPS	<ul style="list-style-type: none"> 1 kva UPS for computer and microscope 	1 Unit			
1.e	Power AMP	<ul style="list-style-type: none"> PCA,6 CH POWER AMP BOARD SEDONA 	1 Unit			
1.f	Automatic relay voltage stabilizer	<ul style="list-style-type: none"> 5 KVA Rated Frequency: 50 Hz Input voltage: 160-260 Output voltage: 200-240 Type of cooling: Air 2 Year on-site Warranty 	1 Unit			
2.	Rotary Microtome (Semi automated) and accessories					
2.a	“WESWOX” ROTARY MICROTOME Model No. – MT-1090A or ARMT-1090a	<ul style="list-style-type: none"> Fitted with disposable blade holder & amp; disposable blades high profile pkt of 50 nos Accessories: Razor 120mm with back & handle in case one object holders dia 22,25,28 mm three dust cover, instruction manual & oil cane one 2 Year on-site Warranty 	1 Unit			
2.b	Embedding bath with vacuum pump	<ul style="list-style-type: none"> A digital display temperature controller controls the temperature within the range ambient +5°C to 100°C. 2 Year on-site Warranty 	1 Unit			
2.c	Slide Warmer for 24 Slides	<ul style="list-style-type: none"> Display presetting temperature & current temperature. Range of setting temperature: ambient to 90°C (constant adjusting). Temperature precise error: + 1°C 2 Year on-site Warranty 	1 Unit			
2.d	Research grade micropipette	<ul style="list-style-type: none"> A set contain, 1000, 100 and 10 µl 	1 set			

	(a Set of 3)	(Preferable Eppendorf / Gilson) 2 Year on-site Warranty				
5.e	Automatic relay voltage stabilizer	<ul style="list-style-type: none"> • 5 KVA • Rated Frequency: 50 Hz • Input voltage: 160-260 • Output voltage: 200-240 • Type of cooling: Air • 2 Year on-site Warranty 	1 Unit			