



जीव विज्ञान संस्थान

INSTITUTE OF LIFE SCIENCES
(An Autonomous Institute of Department of Biotechnology, Govt. of India)
NALCO SQUARE, BHUBANESWAR-751 023

Corrigendum

No.: IV- 263 -S&P/2017-18/ 2236 /SLT/SE/ Cgdm/ILS dated 11.10.2017

Corrigendum to the Sealed Limited Tender No. IV- 263 -S&P/2017-18/2147 /SLT/SE/ILS dated 25.09.2017 for Supply, Installation & Satisfactory Demonstration of the Scientific Equipment(s)/item(s).

The specifications of the following equipment of the above Sealed Limited Tender are modified as follows:

Sl.	Item sl. of tender	Required change/add in specification / modified specification
1	1	Inverted Microscope: Basic stand with LED illumination (50,000 hrs or more) four nosepiece with 20 mm Field of view with high-definition camera; automatic illumination adjustment for better contrast (bright field and phase contrast); auto-off function preferred; objectives 4x, 10x, 20x, 40x preferably with one phase ring, such that phase ring change is not required during objective change; high numerical aperture suitable for bright field and phase contrast and/or DIC imaging. Long working condenser NA 0.35-0.45; fixed stage with XY object guide with universal specimen holders which can hold petri dishes, slides, etc.; high-resolution microscope camera with atleast 5MP; possibility for high-definition live imaging (1920x1080) with 30fps or more; coaxial double knob for coarse and fine focus on both sides; microscope usage with or without PC should be possible with SD card slot for data storage, microscope, camera and software preferably manufactured from the same company, HDMI port and 3 years of warranty from the date of installation.
2	2	CO₂ Incubator: 150-170L incubator capacity with 2-3 adjustable shelves, possibility of stacking incubators, stacking stand should be included, left hand door swing, uniform humidified air-flow in the chamber, HEPA filter can be inside or outside the incubator, fast recovery of heat and humidity within 8-10 minutes, should have water tray, sterilization capabilities, display of all parameters with 3 years of warranty from the date of installation.
3	5	Real time PCR: Should be able to perform HRM, Absolute & relative quantification, allelic discrimination and SNP verification. Minimum reaction volume per well should be 5ul. Detection sensitivity: 1 copy Temperature uniformity should be $\pm 0.1^{\circ}\text{C}$ @95 $^{\circ}\text{C}$ & $\pm 0.05^{\circ}\text{C}$ @55 $^{\circ}\text{C}$. Highly reproducible Cq values for greater data accuracy. Block format: 48-well block. Should have dual LED excitation (452-486 nm and 542-582 nm) and an appropriate detection system for 4 emission Spectra (505-545nm, 562-596nm, 604-644nm, 665-705nm) Should support SYBR®, Cy®5, HEXTM, FAMTM, ROXTM. Additional dyes within the wavelength range compatible with instrument filters should be supported with no additional calibration. Data collection: Data should be collected in all four filters for all wells regardless of plate setup. It should be possible to alter plate setup for data analysis after run is complete. Dynamic range: >9 logs. Should be MIQE compliant. Software should be open license and intuitive. Warranty- 1 year (parts & labour) Consumables: 50 plates and seals additional 100 plates and seals should be quoted. One Centrifuge of appropriate configuration (may not necessarily from the same OEM) for 48 well plates of RT-PCR should be included at no extra cost. The system should have inbuilt unit for running software and data analysis or a Computer/Laptop for running software and data analysis should be included.

Bidders already dispatched their bids may revise or withdraw their bids as per the above corrigendum.

Specifications of all other items except the above modifications, other terms & conditions of the above Sealed Limited Tender remain unchanged.

Sd/-
Stores & Purchase Officer