

## **Corrigendum**

Please refer to this office Tender No. NRCG/5(120)/2016-17/APEDA NRL (with Tender ID 2016\_DARE\_158148\_1). In this connection, it is to inform you that specifications for real time PCR with accessories should be considered as follows-

### **SPECIFICATION FOR REAL TIME PCR WITH ACCESSORIES** **(ITEM NO. 1. TENDER NO. 20/2016-2017)**

#### **Specifications for Real Time PCR**

- It should be 96 well real time PCR.
- It should have reaction volume of 10–100 µL.
- Light source should be bright white LED.
- Detection can be CMOS Whole-plate imaging or independent of ROX.
- Temperature gradient Features should allow to set 6 or more different temperatures in a single run (Licensed Gradient)
- Excitation/detection range should be 450–650 nm/500–700 nm.
- It should be able to multiplex upto four targets or more.
- Dynamic range should be 10 logs
- It should have Peltier based Heating/cooling
- Heating Ramp rate should be 5 – 6 ° C / s or better and cooling ramp 4-6 ° C/ s or better .
- Run time should be about 30-35 mins
- It should be compatible with wide range of dyes such as FAM /SYBR Green, VIC /JOE /HEX/TET, ABY /NED /TAMRA /Cy 3 , ROX /Texas Red etc
- It should have Multicomponenting algorithm for minimizing spectral cross talk & superior multiplexing
- It should be a stand alone system
- It should have Interactive touch screen with real-time application viewing
- It should have upto 10 GB Onboard memory
- It may be amenable to Cloud based analysis or remote access analysis.
- It should have Preoptimized protocol templates and have ability to customize
- It should be able to allow programmable and manual pause
- The system should be suitable for all the chemistries like SYBr green , Probe based and HRM .
- System should be suitable for applications like gene expression analysis , SNP analysis , Allelic discrimination , genetic variation detection , pathogen detection etc.

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- It should be supplied with branded PC with latest configuration (6<sup>th</sup> generation i5/i7 dual core processor, 16GB RAM, 2TB hard disc, windows 10 pro, MSoffice16, antivirus software) and 23-24” LED monitor and other essential accessories.
- Three years warranty
- Equipment should be supplied with all the essential items for the working of instrument.
- It should be supplied with reagents for RNA extraction and cDNA synthesis for 100 samples , DNA extraction from 200 metagenome samples , 5000 units of Taq Polymerase and 5000 units of high fidelity polymerase , plastic wares ( including 96 well plates/0.2 ml qPCR tubes ) and reagents for 5000 qPCR reactions.
- Quotation must include printed brochure with all the technical details and valid authorized dealership certificate.
- A list of existing users in India with their contact details and performance satisfaction certificates must be attached.
- System should comply to MIQE guidelines
- Training for two persons from the laboratory in the manufacturer application laboratory in India for two to three days
- There should be reference of the instrument in high impact journals like Nature / Science / Cell .

**Yours faithfully**

**Sd/-  
Assistant Administrative Officer**

