



Date:-16 -12-2016

### Corrigendum

No. AIIMS/Store/Tender/ Real Time PCR Machine, Fully Automated Gel, Documentation System, & Other Equip./2016/01

Page/Clause/ Point	Existing Sentence	To be read as
As mentioned in page no.16 of Tender Document	<p><b><u>Schedule-A:Real Time PCR Machine</u></b>  <b>Quantity: 01 Nos.</b></p> <ul style="list-style-type: none"> <li>Capable of performing both real time PCR and end point analysis</li> <li>Peltier-based system.</li> <li>96-well block (both for Fast and standard Emulation Mode)</li> <li>Supported volume range: 10µl to 30 µL</li> <li>Filters(wide band) - Five-excitation filters, five-emission filters.</li> <li>Detection : CCD camera.</li> <li>Block ramp rate (at peak): ≥50 C</li> <li>Temperature Range: 4°C-99°C</li> <li>Factory calibrated for handling dyes such as SYBR Green, FAM, VIC, JOE, NED, TAMRA, ROX, Texas Red, Cy3, Cy5.</li> <li>Additional Dyes Available: Calibration for new dyes within the wavelength range should be possible by following the custom dye calibration procedure in the User's Manual without purchase of additional filter sets.</li> <li>Capable of performing relative and absolute quantitation, Melting curve analysis (at high resolution), multiplex-PCR, SNP analysis, dissociation curve analysis, pathogen detection and plus/minus assays etc.</li> <li>Data collection:               <ul style="list-style-type: none"> <li>Standard- Collect data for all 5 filters for all wells regardless of plate setup. Plate setup may be altered after run completes.</li> <li>Expert: Collect data for selected individual filter or group of filters for all wells regardless of plate. Plate setup may be altered after run completes.</li> </ul> </li> </ul>	<p><b><u>Schedule-A:Real Time PCR Machine</u></b>  <b>Quantity: 01 Nos.</b></p> <ol style="list-style-type: none"> <li>Open system capable of performing both real time PCR and end point analysis</li> <li>Should be a Peltier-based system.</li> <li>96-well block (both for Fast and standard Emulation Mode)</li> <li>Supported volume range should be: 10µl to 30 µL.</li> <li>Filters (wide band) - Five-excitation filters, five-emission filters.</li> <li>Excitation source- LED/Xenone.</li> <li>Detection: CCD/PMT.</li> <li>Any periodic calibration pertaining to the optics should be done by the vendor for the next 5 years.</li> <li>Block ramp rate (at peak): ≥5°C.</li> <li>Temperature Range: 4°C-99°C , 4°C is desirable.</li> <li>Should be factory calibrated for handling various commonly used fluorescent dyes such as SYBR Green, FAM, VIC, JOE, HEX, TET, NED, TAMRA, ROX, Texas Red, Cy3, Cy5, Quasar 670, 705 and calibration for any other dye in the wavelength of 300-700nm should be possible without any additional filter sets.</li> <li>Reaction should be run in the form of plate, individual tube and tube strips.</li> <li>Should have feature of performing relative and absolute quantitation, Melting curve analysis at high resolution (HRM), gradient/primer optimization and multiplex-PCR, SNP analysis, dissociation curve analysis, pathogen detection and plus/minus assays etc.</li> </ol>





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| <ul style="list-style-type: none"><li>• Details of data acquisition during run for all dyes should be provided and ensured Temperature accuracy: Maximum (+/- 0.5°C of set point/display temperature, measured at 3 minutes after clock start).</li><li>• Run time: ~30 min (fast mode-expert), &lt;2 hrs (standard &amp; emulation mode) for 40 cycles).</li><li>• The software should be inclusive of Multi-componenting Algorithm designed to provide precise deconvolution of multiple dye signals in each well to ensure minimal crosstalk when using multiple fluorophores for multiplex assays.</li><li>• Dedicated licensed full version software for primer and probe design with comprehensive assay design and development guidelines for quantitative and qualitative real-time assays should be provided to enable designing of custom oligo assays.</li><li>• The IQ, OQ and PQ of the instrument should be performed at the time of installation.</li><li>• CE-IVD compliant along with the tools like security access, auditing and e-signatures.</li><li>• Electrical specification: 220 volts, 50Hz. single phase A.C.</li><li>• Should be supplied with warranty of <b>one</b> years.</li></ul> | <ul style="list-style-type: none"><li>14. Data collection:<ul style="list-style-type: none"><li>a. Standard- Collect data for all 5 filters for all wells regardless of plate setup. Plate setup may be altered after run completes.</li><li>b. Expert: Collect data for selected individual filter or group of filters for all wells regardless of plate. Plate setup may be altered after run completes.</li></ul></li><li>15. Details of data acquisition during run for all dyes should be provided and ensured Temperature accuracy: Maximum (+/- 0.5°C of set point/display temperature, measured at 3 minutes after clock start).</li><li>16. Run time: ~40 min (fast mode-expert), &lt;2 hrs (standard &amp; emulation mode) for 40 cycles.</li><li>17. The software should be inclusive of Multi-componenting Algorithm designed to provide precise de-convolution of multiple dye signals in each well to ensure minimal crosstalk when using multiple fluorophores for multiplex assays.</li><li>18. Dedicated licensed full version software for primer and probe design with comprehensive assay design and development guidelines for quantitative and qualitative real-time assays should be provided to enable designing of custom oligo assays.</li><li>19. Must be supplied with laptop having features of i3 processor, 1TB hard disk with 4GB RAM, window 10.</li><li>20. Must be supplied with UPS (3KVA online UPS with 1 hour back up).</li><li>21. The IQ, OQ and PQ of the instrument should be performed at the time of installation.</li><li>22. Should have European CE-IVD/ US-FDA certification along with the 21CFR compliant software to get features like security access, auditing and e-signatures.</li><li>23. Electrical specification: 220 volts, 50Hz. single phase A.C.</li><li>24. Should be supplied with warranty of <b>two</b> years, followed by <b>CMC of three</b> years.</li><li>25. Video demonstration / submission of valid documents are required for confirmation of each of the above mentioned specifications.</li></ul> |
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		26. A list of users in the Government Medical Colleges and Government Medical Institutes to be essentially provided.
As mentioned in page no.17 of Tender Document	<p><b>Schedule-B: Fully Automated Gel Documentation System</b>  <b>Quantity: 01 Nos.</b></p> <ul style="list-style-type: none"> <li>• Sensitive, multimode image capture and analysis via an intuitive touch screen interface and advanced software for analyzing Chemiluminescent western blots, Stained Nucleic acid Gels, Stained protein gels and Chemiluminescent Nucleic Acid Blots.</li> <li>• System should automatically take a corresponding visible white image with every chemiluminescent image exposure and should allow overlay alignment with pre-stained MW markers.</li> <li>• The complete capability to replace a Dark Room.</li> <li>• The Exposure time should be from 10 milliseconds to 99 minutes.</li> <li>• Should have high resolution camera with 4 mega pixel or more/greater resolution, 16-bit CCD Camera, motorized fixed lens 50mm, f/0.95</li> <li>• At least 4 position motorized filter wheel; 1 blank for Chemiluminescence and 3 for filters.</li> <li>• Illumination source should be 306nm trans UV and LED epiwhite. Should have large 10.4 inch touch screen display with an integrated computer with &gt;200GB hard drive. To operate the touchscreen interface, a stylus should be provided along with the system.</li> <li>• At least 5 user licenses included with the instrument.</li> <li>• The System should create Dark and Biased Master files to compensate for the noise coming from the CCD Camera during Image Acquisition.</li> <li>• The capability to automatically capture a series of images using preset or user defined</li> </ul>	<p><b>Schedule-B: Fully Automated Gel Documentation System</b>  <b>Quantity: 01 Nos.</b></p> <ol style="list-style-type: none"> <li>1. Sensitive, autofocus, multimode image capture and analysis via an intuitive touch screen interface and advanced software for analyzing Chemiluminescent western blots, Stained Nucleic acid Gels, Stained protein gels and Chemiluminescent Nucleic Acid Blots.</li> <li>2. System should automatically take a corresponding visible white image with every chemiluminescent image exposure and should allow overlay/merge alignment with pre-stained MW markers.</li> <li>3. The complete capability to replace a Dark Room.</li> <li>4. The Exposure time should be from 10 milliseconds to 99 minutes.</li> <li>5. Should have high resolution camera with 6 mega pixel or more, 16-bit CCD Camera and motorized zoom lens.</li> <li>6. At least 4 position motorized filter wheel including 1 blank for Chemiluminescence.</li> <li>7. Illumination source should be 306nm trans UV and LED epiwhite. Should have large 10.4 inch touch screen display with an integrated computer with &gt;200 GB hard drive. To operate the touch screen interface, a stylus should be provided along with the system.</li> <li>8. Image area should be 16 X 20 cms, accommodating mini, midi and large gels.</li> <li>9. At least 10 user licences for software analysis should be provided with the instrument.</li> <li>10. The System should create Dark and Biased Master files to compensate for the noise coming from the CCD Camera during Image Acquisition.</li> <li>11. The capability to automatically capture a series of images using preset or user defined exposure times.</li> <li>12. Innovative molecular weight overlay/merge feature where colorimetric molecular weight marker can be overlaid onto a chemiluminescent image for molecular</li> </ol>





	<p>exposure times.</p> <ul style="list-style-type: none"> <li>• Innovative molecular weight overlay feature where colorimetric molecular weight marker can be overlaid onto a chemiluminescent image for molecular weight determination without compromising the underlying chemiluminescent densitometry data.</li> <li>• The Software should be able to calculate sample purity automatically based on band and lane intensity and should be able to calculate the Relative and Absolute quantity of the unknown proteins samples.</li> <li>• Should be an open platform to accept standard image file types (i.e., TIFF, JPEG, PNG, GIF, BMP files).</li> <li>• The Software should be able to edit the Images and Text Annotation option should also be there.</li> <li>• The Software should perform Lane Profile Densitometry (Lane and Band Identification) and it should also analyze Molecular Weight; determine the Rf and Molecular Weight of protein or Nucleic Acid Bands using Installed or Custom MW Markers</li> <li>• At least 3 USB &amp; 1 Network Port should be included in the System and the system should get directly connected to the printer.</li> <li>• System should be upgradable and there should be flexibility to add filters.</li> <li>• Electrical specification: 220 volts, 50Hz. single phase A.C.</li> <li>• Should be supplied with warranty of <b>one years</b>.</li> </ul>	<p>weight determination without compromising the underlying chemiluminescent densitometry data.</p> <p>13. The Software should be able to calculate sample purity automatically based on band and lane intensity and should be able to calculate the Relative and Absolute quantity of the unknown proteins samples.</p> <p>14. Should be an open platform to accept standard image file types (i.e., TIFF, JPEG, PNG, GIF, BMP files).</p> <p>15. The Software should be able to edit the Images and Text Annotation option should also be there.</p> <p>16. The Software should perform Lane Profile Densitometry (Lane and Band Identification) and it should also analyze Molecular Weight; determine the Rf and Molecular Weight of protein or Nucleic Acid Bands using Installed or Custom MW Markers</p> <p>17. At least 3 USB &amp; 1 Network Port should be included in the System and the system should get directly connected to the printer.</p> <p>18. System should be upgradable and there should be flexibility to add filters.</p> <p>19. Electrical specification: 220 volts, 50Hz. single phase A.C.</p> <p>20. Should be supplied with warranty of <b>two years</b></p>
As mentioned in page no.05 of Tender Document	<p><b>7. Performance Security:</b></p> <p>The successful tenderer will be required to furnish a Performance Security Deposit of 10% of tender Purchase order value in the form of Demand Draft, Fixed Deposit Receipt or Bank Guarantee from any Scheduled Bank duly pledged in the name of the "All India Institute of Medical Sciences, Raipur". The security deposit can be forfeited by order of this Institute in the event of any breach or negligence or non-observance of any condition of contract or</p>	<p><b>7. Performance Guarantee Bond:</b></p> <p>a. Performance Guarantee Bond is mandatory.</p> <p>b. The successful tenderer will be required to furnish a Performance Security Deposit of 10% of tender amount in the form of Demand Draft, Fixed Deposit Receipt or Bank Guarantee from any Scheduled Bank duly pledged in the name of the "All India Institute of Medical Sciences, Raipur". The security deposit can be forfeited by order of this Institute in the event of any breach or negligence or non-observance of any</p>





	<p>for unsatisfactory performance or non-observance of any condition of the contract.</p> <p>Performance Security shall be submitted in the form of Demand Draft, Bank Guarantee or Fixed Deposit Receipt issued by any Scheduled Bank. Performance Security will valid till 60 days after completion of contractual obligations (including warranty period, if applicable) under the contract.</p>	<p>condition of contract or for unsatisfactory performance or non-observance of any condition of the contract.</p> <p>c. Performance Security shall be submitted in the form of Demand Draft, Bank Guarantee or Fixed Deposit Receipt issued by any Scheduled Bank. Performance Security will valid till 60 days after completion of contractual obligations (including warranty period, if applicable) under the contract.</p> <p>d. After completion of warranty period a fresh BG/DD/FDR of 10% of AMC/CMC cost will be submitted by the supplier for performance security against AMC/CMC validity of this new BG/DD/FDR will be 60 days beyond AMC period. After submission of new security deposit, old security deposit will be released.</p>
As mentioned in page no.08 of Tender Document	<p><b>18. Terms of payment:</b></p> <p>70% of the purchase order value will be released after the successful supply &amp; balance 30% of the amount shall be released after the successful completion of the installment and commissioning of equipment &amp; accessories to the satisfaction of the concerned department.</p> <p>No payment shall be made for rejected Stores. Rejected items must be removed by the supplier within two weeks of the date of rejection at their own cost &amp; replace immediately. In case these are not removed these will be auctioned at the risk and responsibility of the suppliers without notice.</p> <p>a. For 70% payment supplier should submitted following documents:-</p> <ol style="list-style-type: none"> <li>1) Two Copies of Invoice.</li> <li>2) Delivery Challan/Packing List.</li> <li>3) Any Other documents(if required).</li> </ol> <p>b. For balance 30% supplier should submitted following documents:-</p> <ol style="list-style-type: none"> <li>1) Successful Installation Report.</li> </ol>	<p><b>18. Terms of payment:</b></p> <p><b>(18.1) For Indigenous Goods.</b></p> <p>70% of the purchase order value will be released after the successful supply &amp; balance 30% of the amount shall be released after the successful completion of the instalment and commissioning of equipment &amp; accessories to the satisfaction of the concerned department.</p> <p>No payment shall be made for rejected Stores. Rejected items must be removed by the supplier within two weeks of the date of rejection at their own cost &amp; replace immediately. In case these are not removed these will be auctioned at the risk and responsibility of the suppliers without notice.</p> <p>a. For 70% payment supplier should submitted following documents:-</p> <ol style="list-style-type: none"> <li>3) Three Copies of Invoice.</li> <li>4) Delivery Challan/Packing List.</li> <li>5) Certificate of Origin.</li> <li>6) Any Other documents (if required).</li> </ol>



	<p>2) Any Other documents (if required).</p>	<p>b.For balance 30% supplier should submitted following documents:-</p> <ul style="list-style-type: none"> <li>7) Successful Installation Report.</li> <li>8) Warranty Certificate.</li> <li>9) Any Other documents (if required).</li> </ul> <p><b>(18.2) For Imported Goods.</b></p> <p>Imported supplies should be delivered by air and quoted for CIP Raipur.</p> <p>(a) In case of payment (for import item) through Letter of Credit (LC) in case of foreign tenderer, 90% (Ninety Percent) of the payment will be released after completion of the supply. The balance 10% (Ten Percent) of the payment will be released after satisfactory installation of the item / equipment.</p> <p><b><u>For 90% Payment</u></b></p> <ul style="list-style-type: none"> <li>i. 3 copies of Invoice</li> <li>ii. Packing list</li> <li>iii. Certificate of origin</li> <li>i. Any other documents, if applicable.</li> </ul> <p><b><u>For 10% Payment</u></b></p> <ul style="list-style-type: none"> <li>i. Installation Report</li> <li>ii. Warranty Certificat</li> <li>iii. Any other documents (if required)</li> </ul> <p>(b) If the Payment (for import item) in the form of foreign currency draft / TT, the Institute will release the payment within 30 working days after delivery and successful installation of the item / equipment at AIIMS Raipur Premises.</p> <p>Advance Payment (for indigenous supplies) is not allowed in any case. 100% payment will be released after completion of the supply and successful installation.</p>
<p>As mentioned in page no.09 of Tender Document</p>	<p>NIL</p>	<p><b>21. Guarantee / Warranty, Service, Maintenance:</b> The tenderers must quote for 2 years onsite warranty from the date of completion of the satisfactory installation as certified by the stipulated committee. The warranty charges shall not be quoted separately otherwise the offer shall be summarily rejected. Also the bidders should submit their quote for subsequent 3 years on site CMC (include free</p>





		labour, repair other services & spare parts). Failure to comply this condition will entail the rejection of the bids. The price comparison shall be made taking into account on basic price and post warranty CMC. The Rate Contracting Authority reserves the right to award CMC (include free labour, repair other services & spare parts) shall be quoted for equipment's costing. So the price of CMC should be quoted according to the cost of equipment. The amount of CMC would be released to the supplier on successful completion of the maintenance of that particular year duly certified by the user department. The supplier will ensure regular maintenance service by the appropriate engineer having the technical know-how of the equipment. The supplier shall also ensure the presence of resident engineer in the geographical location of this city of Raipur so that he attends the call without loss of time.
As mentioned in page no.09 of Tender Document	NIL	<b>22. Octroi and Local Taxes.</b> The goods supplied against contracts placed by Ministry / Department are generally exempted from levy of Town Duty, Octroi Duty, Terminal Tax and other Levies of local bodies. The suppliers should be informed accordingly by incorporating suitable instructions in the tender enquiry document and in the resultant contract. Wherever required, the suppliers should obtain the exemption certificate from the purchase organization to avoid payment of such levies and taxes. In case, where the municipality or the other local bodies insist upon such payments (in spite of purchase organization's exemption certificate), the supplier should make the payment to avoid delay in supplies and forward the receipt of the same to the purchase organization for reimbursement and, also, for further necessary action by the purchase organization.
As mentioned in page	NIL	<b>22. Custom Duty on Imported Goods</b> In respect of imported goods, the tenderers shall also specify separately the total amount



no.09 of Tender Document		of custom duty included in the quoted price. The tenderers should also indicate correctly the rate of custom duty applicable for the goods in question and the corresponding Indian Customs Tariff Number. Where customs duty is payable, the contract should clearly stipulate the quantum of duty payable etc. in unambiguous terms.
As mentioned in page no.09 of Tender Document	NIL	<b>23.Customs Duty Reimbursement:</b> The supplier will pay the Customs duty wherever applicable, which will be reimbursed by purchaser as per documentary evidence. The Customs duty exemption certificate will be provided to the supplier as and when required.
As mentioned in page no.09 of Tender Document	NIL	<b>24.Indian Agent:</b> If a foreign tenderer has engaged an agent in India in connection with its tender, the foreign tenderer, in addition to indicating Indian agent's commission, if any, shall also furnish the following information: a. The complete name and address of the Indian Agent and its permanent income tax account number as allotted by the Indian Income Tax authority, b. The details of the services to be rendered by the agent for the subject requirement, and c. The details of service outlets in India, nearest to the consignee(s), to render services during Warranty and CMC period.
As mentioned in page no.14 of Tender Document	Annexure-I Financial Bid (Delete)	Financial Bid as Annexure-I (which is attached Below)
Price Schedule for CMC	NIL	Added as Annexure-III (which is attached Below)
Price Schedule for Goods to be Imported from Abroad	NIL	Added as Annexure-IV (which is attached Below)

**Note: The corrigendum must be seal and signature by bidder and attached with technical bid.**





**Annexure-I**  
**FINANCIAL BID**

"Real Time PCR Machine, Fully Automated Gel Documentation System, & Other Equip.  
For Microbiology Department"  
(In sealed Cover-II super scribed "Financial Bid")

Sr. No.	Item Description	Qty	Warranty	Unit Price	Taxes (if applicable) VAT / Sales Tax/etc	Total Unit Price (including all taxes)	Total price of (Unit price x Quantity)
1.	Schedule-A: Real Time PCR Machine	1 Nos.	2 Years				
2.	Schedule-B: Fully Automated Gel Documentation System	1 Nos.	1 Years				
3.	Schedule-C: Laminar Flow - PCR Work Bench	2 Nos.	1 Years				
4.	Schedule-D: Horizontal gel electrophoresis with compatible power pack & accessories	1 Nos.	1 Years				
5.	Schedule-E: Electronic adjustable pipette (10 µl -100 µl)	1 Nos.	1 Years				
	Electronic adjustable pipette (0.1-10 µl)	2 Nos.	1 Years				
6.	Schedule-F: Microwave Oven	1 Nos.	1 Years				
Grand Total							

1. The schedule wise Total Price will be the deciding factor for L1 provided all terms & condition mentioned in the tender document are full filled.
2. Price bid should be submitted in given format only for additional information/extra items above format may be typed and used.
3. Price is quoted on Rupees only.
4. For Schedule-A, L1 will be decided= Price + CMC.

DATE:

SIGNATURE WITH NAME AND SEAL OF THE FIRM





**Annexure-III**

**PRICE SCHEDULE FOR  
COMPREHENSIVE MAINTENANCE CONTRACT (C.M.C)  
AFTER EXPIRY OF WARRANTY FOR Real Time PCR Machine  
(RATES SHOULD BE QUOTED IN INDIAN RUPEES ONLY)**

Sr No	SME Code No.	Name of the Equipment	For Third year with spare parts & labour After completion of Warranty	For Forth year with spare parts & labour After completion of Warranty	For Fifth year with spare parts & labour After completion of Warranty
(1)	(2)	(3)	(4)	(5)	(6)
1		Real Time PCR Machine			

Place:

Date:

Signature with Name and Seal of the Firm





#### ANNEXURE-IV

#### PRICE SCHEDULE FOR GOODS TO BE IMPORTED FROM ABROAD

1 Schedule	2 Brief Description of Goods	3 Country of Origin	4 Quantity (Nos.)	5 Price per unit / basis at for AIIMS, Raipur (India)				6 Total price FOR AIIMS, Raipur + Insurance(local transportation and storage) 4x 5 (g) Basis at FOR AIIMS,
				FOB price at port/airport of Loading (a)	Carriage & Insurance (port of loading to port of entry) and other Incidental costs** (b)	cidental services including installation & commissioning, supervision, Demonstration and Training) at the Consignee's site (c)	Transportation from port of entry to the consignee site, storage and extended Insurance for a period of 3 months beyond date of delivery** (d)	Unit Price FOR AIIMS, Raipur + Extended Insurance (local transportation and storage) (e)
Schedule-A:	Real Time PCR Machine		01					
Schedule-B:	Fully Automated Gel Documentation System		01					
Schedule-C:	Laminar Flow - PCR Work Bench		02					
Schedule-D:	Horizontal gel electrophoresis with compatible power pack & accessories		01					
Schedule-E:	Electronic adjustable pipette (10 µl - 100 µl)		01					
	Electronic adjustable pipette (0.1-10 µl)		02					
Schedule-F:	Microwave Oven		01					
<b>Total</b>								
Equipment/Instruments should be with warranty as per given schedule								

Total Tender price in foreign currency: \_\_\_\_\_

In words: \_\_\_\_\_

**Note:-1.** For schedule -A L1 will be the deciding factor for L1 (Total Price + CMC), provided all the other conditions mentioned in the tender document are fulfilled.

2. If there is a discrepancy between the unit price and total price THE UNIT PRICE shall prevail.





3. The tenderer will be fully responsible for the safe arrival of the goods at the named port of entry in good condition as per terms of CIP as per INCOTERMS, if applicable. Purchaser will make payment after receipt of goods at consignee's site/store in good condition
4. Price Bid should be submitted in given format only. For additional information/extra items above format may be typed and used.
5. All the component of total price (i.e. column no. 6 will be paid by tenderer) including Custom duty, Custom clearing charges as per terms of contract. FOR to AIIMS Raipur.

**Indian Agent:**

**Indian Agency Commission-** \_\_\_\_\_ **% of FOB**

**Signature of Tendere**-----

**Place:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Name** \_\_\_\_\_  
**Business Address** \_\_\_\_\_  
**Signature of Tenderer** \_\_\_\_\_  
**Seal of the Tenderer** \_\_\_\_\_

  
(Sushil Sonber)

Stores Officer  
AIIMS, Raipur.