अति आवश्यक / महत्वपूर्ण / फोन—0522—2286615 पुलिस _ तकनीकी सेवायें मुख्यालय,

उत्तर

प्रदेश पुलिस तकनीकी सद

दिनांक -फरवरी 👫 2014

संख्या -टीएरा -एमओडी- 04- 2011(एफएसएल) सेवा में.

1 मेरार्स एम०पी०रा।इंटिफिक एण्ड इन्स्ट्र्मेन्टरा

ल्खन्छ ।

2- गेरारों ज्ञान साइटिफिक ट्रेंडर्स(इन्डिया) प्रावलिव,

लखनस

3-मेरारां आर०पी०एग० साइंटिफिक,

0149-155 E

कृपया अवगत कराना है कि आधुनिकीकरण योजना 2013—14 के अन्तर्गत विधि विज्ञान प्रयोगशाला हेतु 01 अदब आर0टी0पी0सी0आर0 उपकरण कय किये जाने के सम्बन्ध में निविदा आमंत्रित की गई है,जिसमें प्री विड मीटिंग की तिथि 10.2.14 को समय 11.30 बजे पूर्वान्ह तकनीकी सेवायें मुख्यालय स्थित मीटिंग हाल में प्रस्तावित हैं। उक्त के अतिरिक्त इस उपकरण के निर्माताओं / प्राधिकृत डीलरों तथा सप्लायर्स भी प्रस्तावित प्री बिड प्रस्तावित हैं। उक्त के अतिरिक्त इस उपकरण के निर्माताओं / प्राधिकृत डीलरों तथा सप्लायर्स भी प्रस्तावित प्री बिड प्रेटक में प्रतिभाग करने हेतु आमंत्रित हैं।

बढक म प्रातमाम करने छु आमाजा है। अत उपकरण के लिये आहुत प्री बिड बैठक में प्रतिभाग करने का कष्ट करें । अत अपेक्षा है कि उक्त उपकरण के लिये आहुत प्री बिड बैठक में सम्मिलित नहीं हो पा रहे हैं तो यदि उपकरण के निर्माता फर्म/अधिकृत डीलर किन्ही कारण वश प्री बिड बैठक में सम्मिलित नहीं हो पा रहे हैं तो यदि उपकरण के निर्मात मेल के माध्यम से उ०प्र० पुलिस की बेवसाइड http://uppolice.gov.in पर भेज वे अपने विचार /अभिमत मेल के माध्यम से उ०प्र० पुलिस की बेवसाइड http://uppolice.gov.in पर भेज सकते हैं। सुंलभा रान्दर्भ हेतु आरण्टी०पी०सी०आरण उपकरण के तकनीकी स्पेशीफिकेशन अवलोकनार्थ संलग्न है। संलग्नक यथोपरि

पुलिस अधीक्षक / सहायक निदेशक, निमेत्त-पुलिस महानिरीक्षक, तकनीकी सेवायें, उत्तर प्रदेश।

प्रतिलिपि पुलिस अधीक्षक / सहायक निदेशक को उ०प्र०पुलिस के वेडसाइट पर लोड कराने हेतु । प्रतिलिपि - डा०अर्चना त्रिपाठी, उप निदेशक, एफएसएल, लखनऊ अध्यक्ष तकनीकी समिति, श्री सुरेश वन्द्रा, उप निदेशक, एफएराएल, लखनऊ तथाटा०राजीव पालीवाल को सूचनार्थ एवं नियत तिथि को समय से उपस्थित होने हेतु।

Real Time PCR

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(Rajiv Paliwal) S.O. Sero.	•		9. The i	8. Shoul (400)	1TB I printe	6. A con 7. Shoul	Hyder	5. The sy and va	4. Sampl		2. The in	I. Latest generation	I aCa Ta		
Ali Y	of calculating dilution and reaction setup for HID kits. System should be complete with all accessories to run	discrimination Multiple Data Comparison. Built in software features for sample quality as	instrument should be supplied with license ications comparative Ct., Standard Curve.	Should have kits and plastic wares, consumable (400 reactions) Coffware Specifications	1TB Hard disk, 1GB Graphic card, TFT/LED printer.(Internal RAM 256 MB).	A compatible 2KVA online UPS with 2 hours backup should be provided. Should have a dedicated compatible desktop computer configuration—with the should have a dedicated compatible desktop computer configuration—with the should have a dedicated compatible desktop computer and the should have a dedicated compatible desktop computer and the should have a dedicated compatible desktop computer and the should be provided.	Hyderabad, Center/ State Forensic Science Lab	ystem should be validated for latest lorens alidated data. Certification by competent a literature of the competent of the competent of the competent of the competence of the	Sample Format 96-well plates or 0.2 ml tubes and optimized for 15 to 100 µL	ing real time quantitation, SINF general co	strument should have five-color detection	Latest generation 96- well block Thermal Cycling System for forensic applications	actriment	Technical	
(Suresh Chandra) 114 D.D. Big. (1) 114	of calculating dilution and reaction setup for HID kits. System should be complete with all accessories to run the system properly at the time of installation	discrimination Multiple Data Comparison. Built in software features for sample quality assessment (inhibition, male/female ratio and degradation index), capability	The instrument should be supplied with licensed software that design probes and primers. Applications comparative Ct., Standard Curve, Relative Standard Curve, Allelic Discrimination, Plus/ Minus Dye	Should have kits and plastic wares, consumables for quantitation of futural Pixa (100 femiliar)	1TB Hard disk, 1GB Graphic card, TF1/LED Monitor- 22 inches and Authorities with summer common printer. (Internal RAM 256 MB).	A compatible 2KVA online UPS with 2 hours backup should be provided. Should have a dedicated compatible desktop computer configuration window 7, I 3 processor, Office-10, 4GB RAM, Should have a dedicated compatible desktop computer configuration window 7, I 3 processor, Office-10, 4GB RAM, Should have a dedicated compatible desktop computer configuration window 7, I 3 processor, Office-10, 4GB RAM, Should have a dedicated compatible desktop computer configuration window 7, I 3 processor, Office-10, 4GB RAM, Should have a dedicated compatible desktop computer configuration window 7, I 3 processor, Office-10, 4GB RAM, Should have a dedicated compatible desktop computer configuration window 7, I 3 processor, Office-10, 4GB RAM, Should have a dedicated compatible desktop computer configuration window 7, I 3 processor, Office-10, 4GB RAM, Should have a dedicated compatible desktop computer configuration window 7, I 3 processor, Office-10, 4GB RAM, Should have a dedicated compatible desktop computer configuration window 7, I 3 processor, Office-10, 4GB RAM, Should have a dedicated compatible desktop computer configuration window 7, I 3 processor, Office-10, 4GB RAM, Should have a dedicated compatible desktop computer configuration window 7, I 3 processor window 7,	Hyderabad, Center/ State Forensic Science Laboratories (CFSLs / SFSLs), that Equipment & Kit is Hyderabad, Center/ State Forensic Science Laboratories (CFSLs / SFSLs), that Equipment & Kit is Hyderabad, Center/ State Forensic Science Laboratories (CFSLs / SFSLs), that Equipment & Kit is Hyderabad, Center/ State Forensic Science Laboratories (CFSLs / SFSLs), that Equipment & Kit is Hyderabad, Center/ State Forensic Science Laboratories (CFSLs / SFSLs), that Equipment & Kit is Hyderabad, Center/ State Forensic Science Laboratories (CFSLs / SFSLs), that Equipment & Kit is Hyderabad, Center/ State Forensic Science Laboratories (CFSLs / SFSLs), that Equipment & Kit is Hyderabad, Center/ State Forensic Science Laboratories (CFSLs / SFSLs), that Equipment & Kit is Hyderabad, Center/ State Forensic Science Laboratories (CFSLs / SFSLs), that Equipment & Kit is Hyderabad, Center/ State Forensic Science Laboratories (CFSLs / SFSLs), that Equipment & Kit is Hyderabad, Center/ State Forensic Science Laboratories (CFSLs / SFSLs), that Equipment & Kit is Hyderabad, Center/ State Forensic Science Scie	The system should be validated for latest foretiste applications line from the content of India viz Director, Center of and validated data. Certification by competent authority/ organization under Government of India viz Director, Center of and validated data. Certification by competent authority/ organization under Government of India viz Director, Center of and Validated data. Certification by competent authority/ organization under Government of India viz Director, Center of and Validated data. Certification by competent authority/ organization under Government of India viz Director, Center of and Validated data. Certification by competent authority/ organization under Government of India viz Director, Center of and Validated data.	nd optimized for 15 to 100 μL name DNA quantity and properties of the properties o	The instrument should have advanced optical configuration that support broad range of fluorophore dyes.	The instrument should have five-color detection capability to provide flexibility to period in a variety of approximate flexibility to provide flexibility to period in the period of a positive controls.	ng System for forensic applications.		Technical Specifications	
(Dr. Archana Tripathi) 6/1/// D.D.Sero.	allation	gradation index), capability	on, Plus/ Minus Dye		rs) and male DNA samples	r, Office-10, 4GB RAM, d brand color jet laser	Cit is validated for forensic	dia viz Director, Center of iology (CCMB),	tation kits with published	phore dyes.	al positive controls.	ariety of applications			
				quantitation kit and plastic wares, 400 reactions male DNA quantitation kit and plastic wares.	400 reactions human DNA	Qty. One	Qty. One						Qty. One	Quantity	

(Rajiv Paliwal) S.O. Sero.

Real Time PCR

Technical Specifications

- Latest generation 96- well block Thermal Cycling System for forensic applications
- applications including real time quantitation ,SNP genotyping, gene expression analysis and utilizing internal positive controls. The instrument should have five-color detection capability to provide flexibility to perform a variety of
- The instrument should have advanced optical configuration that support broad range of fluorophore dyes.
- Sample Format 96-well plates or 0.2 ml tubes and optimized for 15 to 100 µl
- organization under Government of India viz Director, Center of DNA Fingerprinting & quantitation kits with published and validated data. Certification by competent authority The system should be validated for latest forensic applications like human / male DNA Diagnostics (CDFD) Hyderabad, Center for Cellular And Molecular Biology (CCMB), validated for forensic use, failing which offer will be rejected. Hyderabad, Center/ State Forensic Science Laboratories (CFSLs / SFSLs), that Equipment & Kit is
- A compatible 2KVA online UPS with 2 hours backup should be provided.
- 7.6 standard brand color jet laser printer.(Internal RAM 256 MB). 10, 4GB RAM, 1TB Hard disk, 1GB Graphic card, TFT/ LED Monitor- 22 inches and Antivirus with Should have a dedicated compatible desktop computer configuration-- window 7, 13 processor, Office-
- Should have kits and plastic wares, consumables for quantitation of human DNA (400 reactions) and male DNA samples (400 reactions)

Software Specifications

- The instrument should be supplied with licensed software that design probes and primers
- 10. Applications comparative Ct., Standard Curve, Relative Standard Curve, Allelic Discrimination, Plus/ Minus Dye discrimination Multiple Data Comparison.
- Built in software features for sample quality assessment (inhibition, male/female ratio and degradation index), capability of calculating dilution and reaction setup for HID kits.
- 12 System should be complete with all accessories to run the system properly at the time

(Rajiv Paliwal S.O. Sero



Justification

- 1. 96 well plate preferred by all manufacturers is suitable for high throughput and one block can be used for greater no. of cases.
- 2. Easily calibrated for the range of dyes without requiring the addition of ranges between 450nm to 750 nm; SNP genotyping to be done in new filter sets, required fluorescence range for emission/ excitation
- 3. Allows greater sensitivity for greatest range of dyes; used for application at point no. (2)
- 4 Minimum volume required is 15 to 25µL.
- 5. Forensic samples often have a mixture of human male and female DNA reproducibility, robustness and reliability of the result; also specially in sexual assault cases. Validation is required for recommended in BPR & D manual.
- 6.. Run time for 40 cycles for DNA quantitation is about 2 hours.7. Technical requirement
- Technical requirement
- Mandatory for legal reasons.
- 10. Different analysis modules in the software related to quantitation of DNA for analysis with precision and accuracy
- 11. Sample quality assessment is a prerequisite for reaction set up and also to evaluate factors affecting quantitation.
- 12. For satisfactory installation and working of the instrument for case wo

(Dr. Archana Thoathi) D.D.Sero