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Dated, the 17 February, 2020.

**CORRIGENDUM NO.2**  
**TO OPEN TENDER ENQUIRY (OTE)**  
**No. D/21013/3295/08.01.2020/PW**

REF: OPEN TENDER ENQUIRY NO.D/21013/3295/08.01.2020/PW DATED 24.01.2020 FLOATED ON CPP PORTAL AND SCHEDULED TO BE OPENED ON 26.02.2020 FOR PROCUREMENT OF "HIGH THROUGHPUT DNA SEQUENCER (NEXT GENERATION SEQUENCER)" Qty. 01 unit FOR ESTABLISHMENT OF STATE OF ART FORENSIC DNA LAB AT CFSL CHANDIGARH.

A Pre Bid Meeting under the chairmanship of Director I/C CFSL Hyderabad was held on 30.01.2020 to address the points raised by the prospective bidders in connection with Open Tender Enquiry (OTE) issued by MHA vide No. D/21013/3295/08.01.2020/PW dated 24.01.2020 floated on CPP Portal for procurement of "High Throughput DNA Sequencer (Next Generation Sequencer)" Qty. 01 Unit for Establishment of State of Art Forensic DNA Lab at CFSL Chandigarh. During the meeting the queries were suggested/raised by the representatives of M/s Thermo fisher Scientific and the same were later submitted by the firm in writing also. The Firm further submitted that their request/ suggestions are crucial so that they can get a fair opportunity to participate in competitive bidding process for NGS and technical requirement at S.No.2 and 4 of the technical specifications of the current OTE are limiting their participation and are only available with one vendor as part of kit (not instrument). In continuation to which the other prospective bidder i.e. M/s SyberGENE Inc., USA argued on the above requests of the M/s Thermo Fisher Scientific vide their e-mail dated 31.01.2020.

2: After receiving the queries/ arguments of both the prospective vendors, the Committee examined the technical queries/ objection raised by the prospective bidders and were of the opinion that for better/ wider participation and for fair competition minor modification in the current OTE may be incorporated. After approval of Competent Authority and the concurrence of IFD/MHA the following amendments are hereby issued against the subject OTE to provide level playing field and to ensure widest competition in the current OTE as per Rule 173 (ix) GFR-2017. These changes may be effected wherever it is defined in the text of the tender documents and it may be treated as amended accordingly:-

*Pratibha*

## (A) (TECHNICAL PARAMETERS)

S.No	Ref. of Para in OTE	Clarification sought/ Suggestion submitted by Rep. of firms	Changes agreed /Not agreed by MHA for amendment in OTE
1.	Appendix- II, S.No.2. At page 40 of OTE.	M/s Thermo Fisher Scientific requested that;	For <del>Existing Clause:</del>
	The complete automatic system from DNA-to-data generation, for the analysis of 96 forensic DNA sample in a single sequencing run, with a minimum of 125 picogram DNA input and should be capable of generating Autosomal STR, Y-STR, X-STR as well as Single Nucleotide Polymorphism (SNPs), phenotype SNPs and biological ancestry SNPs. System should have assay for mitochondrial DNA sequencing.	The complete automatic system from DNA-to- data generation for the analysis of 96 forensic DNA sample in a single sequencing run, with a minimum of 125 picogram DNA input and should be capable of generating Autosomal STR, Y-STR, X-STR as well as Single Nucleotide Polymorphism(SNPs) , phenotype SNPs and biological ancestry SNPs. Systems should have assay for mitochondrial DNA sequencing.	<b>Read as:</b> The system should be completely automated for DNA-to-data generation, library preparation and sequencing. <b>The System should be capable of processing 32 or more case-type /database samples per sequencing run.</b> The system should be capable to process sample with minimum 125 picogram or less DNA input. The system should be capable of generating Multiple results simultaneously or separately for STRs, single nucleotide polymorphisms (SNPs) of autosomes, sex chromosome(s) and mitochondrial genomes from biological evidence samples collected from crime scenes.
2.	Appendix- II, S.No.2. At page 40 of OTE.  This system should provide DNA sample preparation kits which include all reagents and accessories required to prepare	M/s Thermo Fisher Scientific requested that;  The system should provide DNA samples, library preparation, template preparation and	For <b>Existing Clause:</b>  <b>Read as:</b> Vendor should provide optimized kits, plastic ware etc. for Targeted sequencing of forensically

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	DNA libraries for sequencing. The supplier should provide complete kit for 600 samples (for Autosomal STR, Y-STR, X-STR, Identity SNPs) and 100	sequencing kit. The supplier should provide 600 samples kit for STR marker and SNP. The supplier should provide kits for 100 samples (for	relevant STR and SNP loci and mitochondrial DNA.
	samples (for mitochondrial DNA analysis) with RFID labeled all reagents and necessary consumables, plastic ware etc. to run NGS system.	mitochondrial DNA analysis) to run NGS system.	
<b>Additionally, both the firms requested to consider the following aspects of High Throughput Next Generation Sequencer to be included in the current technical specifications</b>			
<b>S.N o.</b>	<b>Name of the firm</b>	<b>Proposed additional specifications.</b>	<b>Changes agreed /Not agreed by MHA for amendment in OTE</b>
3	<b>M/s Thermofisher Scientific</b>	The complete system should not require any additional centrifuge or PCR	<b>Not agreed; Tender Conditions Persists.</b>
4	<b>M/s Thermofisher Scientific</b>	The quoted technology should have flexibility to incorporate 300+ markers in single run.	<b>Not agreed; Tender Conditions Persists.</b>
5	<b>M/s Thermofisher Scientific</b>	The offered system should include software that can compare STR data from CE and sequencing data from NGS for comprehensive outlook of the profile.	<b>Not agreed; Tender Conditions Persists.</b>

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6	M/s Thermofisher Scientific	The vendor should be able to offer kits for mitochondrial sequencing both for control and whole genome panel.	<b>Not agreed; Tender Conditions Persists.</b>
7	M/s Thermofisher Scientific	The quoted system should be capable to generate 20 million reads in single run.	<b>Not agreed; Tender Conditions Persists.</b>
8	M/s Thermofisher Scientific	The quoted system should be capable to process 350+ samples in single run for ancestry or identity information.	<b>Not agreed; Tender Conditions Persists.</b>
9	M/s Thermofisher Scientific	The vendor should offer kits which should have small size marker not more than 260 base pairs.	<b>Not agreed; Tender Conditions Persists.</b>
10	M/s SyberGENE Inc., USA	Cost per DNA profile should be included in the quotation	<b>Not agreed; Tender Conditions Persists.</b>

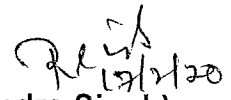
## (B) (COMMERCIAL PARAMETERS)

S.N o	Ref. of Para in OTE	Clarification sought/ Suggestion submitted by Rep. of firms	Changes agreed /Not agreed by MHA for amendment in OTE
1.	<b>Annexure II, clause 6.2 (g) at page 18 of the OTE.</b>  <b>Agency Commission:</b> if applicable shall be payable in Indian Rupees. Bidders will submit agency agreement and original proforma	-	It is clarified that as the current is an Open Tender Enquiry and hence, bidders have to quote in INR only. Therefore, the clause "agency commission" at 6.2 (g) Annexure II at page 18 of the OTE is hereby deleted and the same (agency commission) if mentioned anywhere else

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	invoice of principal indicating Agency commission, along with a certificate that no other payment is payable in foreign currency, besides what is declared.		in the current OTE is deleted.
	Agency commission payable to the Indian Agent should be on FOR price and should not carry any tax or levies.		
2.	<p><b>Annexure II, Clause 14 (i) at page 22 of the OTE</b></p> <p>Only the technical bid shall be opened online on the date of tender opening. Price bids of only those firms will be considered for opening whose offer would meet all tender requirements and TE specifications and has passed in all tender conditions and technical/ commercial evaluation (including field trial evaluation if required) by the TEC.</p>	-	It is clarified that Field Trial of the quoted equipment of the participating bidders is an important clause and all the participating bidders are required to give field trial of their quoted equipment, during the evaluation of the tenders by the Tender Evaluation Committee.

3. All other terms and conditions will remain unchanged. The Bidders may submit their bid accordingly.

  
 (Rajendra Singh)  
 DC (Proc) MHA

For and on Behalf of President of India.

Copy to:

1.	The Director cum Chief Forensic Scientist, DFSS/MHA, CGO Complex, Block No. 9, 8 <sup>th</sup> Floor, Lodhi Road, New Delhi-110003.	For information with reference to this division OTE of even no. dated 24.01.2020.
2.	The Section Officer (IT), IT Cell Website Room No. 10, MHA, North Block, New Delhi-110001.	With request to get it incorporate on the official website of the Ministry of Home Affairs.
3.	The Director CFSL Chandigarh; CFIs Complex, Sector 36A, Chandigarh-160036.	For information with reference to this division OTE of even no. dated 24.01.2020.

*Per  
12/1/20*