

RFP FOR Forensic DNA Profiling Lab on Turnkey Basis



Sanjay Gandhi National Park

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Tender Ref no - **SGNP0061819**

Tender ID - **2019_HFFN_515023**

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E-TENDER NOTICE

The Chief Conservator of Forests, Sanjay Gandhi National Park intends to call online tenders from the intending manufacturers/authorized dealers/ authorized suppliers for the supply of **Forensic DNA Profiling Lab on Turnkey Basis with Specifications for items enlisted below.**

The blank tender form can be downloaded from website <https://mahatenders.gov.in>
The tenders will be opened on as per schedule in presence of intending supplier/tenderer/their representative.

All the rights to accept or reject whole or part of the tender without assigning any reason thereof is reserved by the undersigned.

Place: Sanjay Gandhi National Park

Date:

Chief Conservator of Forests
Sanjay Gandhi National Park
Borivali Mumbai -6

Summary of the Tender Notice is as follows (NIT):

Particulars	Details
Name of the Work:	Tender for Supply of Forensic DNA Profiling Lab on Turnkey Basis
Tender Ref no- Tender ID-	SGNP0061819 2019_HFFN_515023
Address and Concerned person for Correspondence	Chief Conservator of Forest & Director , Sanjay Gandhi National Park Address: Borivali East, Mumbai, Maharashtra 400066 Phone: 022 2886 0362 / 022-28860389 Email:sgnpsmumbai@gmail.com
Availability of Tender - Start Date and Time	12-12-2019 05:00 PM
Availability of Tender - End Date and Time	09-01-2020 04:00 PM
Last date for sending Pre-Bid queries	18-12-2019 05:00 PM
Pre-Bid Meeting	20-12-2019 12:00 PM
Online Bid Submission Date	09-01-2020 04:00 PM
Cost of bid document	Rs. 15,000/- (non-refundable) to be paid online through the E-Procurement portal i.e. Net Banking , Debit Card and Credit Card.
EMD / Bid Security Amount	Rs. 3,00,000/-online through E-procurement portal. EMD in any other form will not be accepted failing which the tender shall be Rejected summarily.
Date and time for opening of Technical Proposal	10-01-2020 04:00 PM
Date and time for opening of Financial Proposal	To be notified by mail
Performance Security	10% of the contract value in the

	form of DD.
Method of submission of Proposal	Only through e-Procurement portal: website: http://mahatenders.gov.in
Validity of Bids	Minimum 120 days from the due date of submission of proposal as mentioned in this tender or the subsequent corrigendum (if any)

*Dates mentioned here, are scheduled dates for Bid Opening Activities. Any changes in dates of opening of technical and commercial bids shall be notified in 'Press Notice / Corrigendum' section on the e-Tendering sub portal of the department before opening of the same.

2. INSTRUCTIONS TO BIDDERS

GENERAL INSTRUCTIONS:

The bidders are requested to familiarize themselves with the use of the e-Tendering portal of Government of Maharashtra well in advance.

To view- Tender Notice, Detailed Time Schedule, Tender Document for this Tender and subsequently purchase the Tender Document and its supporting documents, kindly visit following e-Tendering website of Government of Maharashtra: <https://mahatenders.gov.in>

The Contractors participating first time for e-Tenders on GoM e-tendering portal will have to complete the Online Registration Process for the e-Tendering portal. A link for enrolment of new bidders has been provided on <https://mahatenders.gov.in>

All bidders interested in participating in the online e-Tendering process are required to procure Class II or Class III Digital e-Token having 2 certificates inside it, one for Signing/Verification purpose and another for Encryption/Decryption purpose. The tender should be prepared & submitted online using individual's Digital e-Token.

e-Tendering Tool Kit for Bidders (detailed Help documents, designed for bidders) has been provided on e-Tendering website in order to guide them through different stages involved during e-Tendering such as online procedure for Tender Document Purchase, Bid Preparation, Bid Submission.

Bidders will have to pay cost of Tender Document through online modes of payment only such as Net Banking, Debit Card and Credit Card during Tender Document Download stage. This payment will not be accepted by the department through any offline modes such as Cash, Cheque or Demand Draft.

Similarly, Bidders will have to pay Earnest Money Deposit through online modes of payment such as Net Banking, Debit Card, Credit Card and NEFT/RTGS during Bid Preparation stage. This payment will not be accepted by the department through any offline modes such as Cash, Cheque or Demand Draft.

For a bidder, online bidding process consists of following 3 stages:

1. *Online Tender Document Purchase and Download*
2. *Online Bid Preparation*
3. *Online Bid Submission*

All of 3 stages are mandatory for bidders in order to successfully complete Online Bidding Process.

3. TENDER DOCUMENT PURCHASE AND DOWNLOAD

The tender document is uploaded / released on Government of Maharashtra, (GOM) e-tendering website <https://mahatenders.gov.in> Tender document and supporting documents may be purchased and downloaded from following link of e-Tendering website of Government of Maharashtra <https://mahatenders.gov.in> by making payment through Online Payment Modes i.e. Net Banking, Debit Card and Credit Card.

If for any reason a bidder fails to make this payment through online modes, system won't allow the bidder to proceed further for next stage resulting in his/her elimination from Online Bidding Process.

The payment will not be accepted by the department through any offline modes such as Cash, Cheque or Demand Draft.

Subsequently, bid has to be prepared and submitted ONLINE ONLY as per the schedule.

The Tender form is available online only. Tender forms shall not be sold / issued manually from 'Chief Conservator of Forests, Sanjay Gandhi National Park ' office.

The bidders are required to download the tender document within the pre-scribed date & time mentioned in online tender schedule. After expiry of the date and time for tender document download, the bidders would not be able to download the tender form and Department / Corporation will not be responsible for any such failure on account of bidders for not downloading the document within the schedule even though they have paid the cost of the tender to the Department / Corporation. In such case the cost of the tender paid by the bidders will not be refunded under any circumstances.

4. PREPARATION & SUBMISSION OF BIDS

Both the Bids (Technical as well as Commercial) shall have to be prepared and subsequently submitted by the bidder online only. Bids not submitted online will not be entertained.

Online Bid Preparation

EARNEST MONEY DEPOSIT (EMD)

The bidders are required to pay Earnest Money Deposit through Online Payment modes i.e. Net Banking, Debit Card, Credit Card and NEFT/RTGS during Bid Preparation Stage. Offers made without EMD shall be outright rejected.

This payment will not be accepted by the department through any offline modes such as Cash, Cheque or Demand Draft.

If for any reason a bidder fails to make this payment through online modes, system won't allow the bidder to complete Bid Preparation stage resulting in his/her elimination from Online Bidding Process.

In Bid Preparation stage, bidders get access to Online Technical and Commercial Envelopes where they are required to upload documents related to technical eligibility criteria and quote commercial offer for the work / item in respective online envelopes.

TECHNICAL BID

Following documents should be uploaded in Online Technical Envelope (T1) in PDF format, if required can be zipped as well and then uploaded. These documents need to be digitally signed by individual contractor's digital signature and uploaded during Online Bid Preparation stage.

The list of documents for Technical Envelope is as follows:

PREQUALIFICATION CRITERIA

Sr. No.	List of Documents	Compulsory / Additional
1.	Scanned From Original Copy of Covering letter	Compulsory
2.	EMD or (EMD exemption Certificate if applicable)	Compulsory
3.	Scanned From Original Copy of Certificate of registration in case of manufacturer	Compulsory
4.	Scanned From Original Copy of Documents of GST Registration/GST No.	Compulsory
5.	Scanned From Original Copy of Certified copy of PAN Card.	Compulsory
6.	Scanned From Original Copy of Certified copy of ITCC issued by Department of Income Tax (Last two consecutive years) or balance sheet of the firm for last two consecutive years.	Compulsory
7.	Scanned From Original Copy of Certified copy of GST Returns (Last two consecutive years) or balance sheet of the firm for last two consecutive years.	Compulsory
8.	Scanned From Original Copy of Authorization certificate	Compulsory
9.	Scanned From Original Copy of No deviation statement	Compulsory
10.	Bid Form	Compulsory
11.	Scanned From Original Copy of Technical Literature/Relevant Leaflet of the equipment	Compulsory
12.	Scanned From Original Copy of User List on letter head	Compulsory
13.	Scanned From Original Copy of Undertaking of delivery, installation and demonstration	Compulsory
14.	Declaration – I and II	Compulsory
15.	Clause-by-clause commentary on the purchasers Technical specification	Compulsory
16.	Warranty Certificate for 3 years	Compulsory

COMMERCIAL BID

All commercial offers must be prepared online (An online form will be provided for this purpose in Online Commercial Envelope (C1), during Online Bid Preparation stage).

Any bidder should not quote his offer anywhere directly or indirectly in Technical Envelope (T1), failing which the Commercial Envelope (C1) shall not be opened and his tender shall stand rejected.

Note: During Online Bid Preparation stage, bidders are allowed to make any changes or modifications in the bid data uploaded by them in Technical (T1) as well as Commercial (C1) envelope.

Towards the end of Bid Preparation, once verification of EMD payment is successful, bidder completes the Bid Preparation stage by generating the Hash Values for T1 and C1. Post this, system won't allow him/her to make any further changes or modifications in the bid data.

The list of documents for Commercial Envelope is as follows:

Sr. No.	List of Documents	Compulsory / Additional
1	Covering letters for financial BIDs.	Compulsory
2	BOQ in Excel Sheet Format	Compulsory

Online Bid Submission

In this stage, bidders who have successfully completed their Bid Preparation stage are required to transfer the data, already uploaded by them during Bid Preparation stage, from their custody to department's custody.

Note: During this stage, bidders won't have any capability to make any kind of changes or editing into technical as well as commercial data.

5. INSTRUCTION TO BIDDERS FOR ONLINE BID PREPARATION & SUBMISSION

Bidders are required to pay Earnest Money Deposit (if applicable to them) through Online Payment modes i.e. Net Banking, Debit Card, Credit Card and NEFT/RTGS during Bid Preparation Stage.

If for any reason a bidder fails to make this payment through online modes, system won't allow the bidder to complete Bid Preparation stage resulting in his/her elimination from Online Bidding Process.

Hence, it is strongly recommended to bidders to initiate the payment well in advance prior to expiry of Bid Preparation stage in order to avoid elimination from Online Bidding Process on grounds of failure to make this payment.

During the activity of Bid Preparation, bidders are required to upload all the documents of the technical bid by scanning the documents and uploading those in the PDF format. This apart, bidders will have to quote commercial offer for the work / item, for which bids are invited, in an online form made available to them in Commercial Envelope. This activity of Bid Preparation should be completed within the pre-scribed schedule given for bid preparation.

After Bid Preparation, the bidders are required to complete Bid Submission activity within

The date and time for online preparation followed by submission of envelopes shall strictly apply in all cases. The tenderers should ensure that their tender is prepared online before the expiry of the scheduled date and time and then submitted online before the expiry of the scheduled date and time. No delay on account of any cause will be entertained. Offers not submitted online will not be entertained.

If for any reason, any interested bidder fails to complete any of online stages during the complete tender cycle, department shall not be responsible for that and any grievance regarding that shall not be entertained.

Any amendment to the tender will be placed on sub portal of the Department, who have invited the bids, on e-tendering portal of the Govt. of Maharashtra. The tenderer will not be communicated separately regarding the amendment.

6. OPENING OF BIDS

The bids that are submitted online successfully shall be opened online as per date and time given in detailed tender schedule (if possible), through e-Tendering procedure only in the presence of bidders.

Bids shall be opened either in the presence of bidders or it's duly authorized representatives. The bidder representatives who are present shall sign a register evidencing their attendance. Only one representative per applicant shall be permitted to be present at the time of opening the tender.

TECHNICAL ENVELOPE (T1):

First of all, Technical Envelope of the tenderer will be opened online through e-Tendering procedure to verify its contents as per requirements.

At the time of opening of technical bid the tenderer should bring all the original documents that have been uploaded in the Online Technical Envelope (T1) so that same can be verified at the time of opening of technical bid.

If the tenderer fails to produce the original documents at the time of opening of technical bid then the decision of the committee taken on the basis of document uploaded will be final and binding on the tenderer.

If the various documents contained in this envelope do not meet the requirements, a note will be recorded accordingly by the tender opening authority and the said tenderer's Commercial Envelope will not be considered for further action but the same will be recorded.

Decision of the tender opening authority shall be final in this regard.

The commercial bids shall not be opened till the completion of evaluation of technical bids.

The commercial Bids of only technically qualified Bidders as mentioned above will be opened.

COMMERCIAL ENVELOPE (C1):

This envelope shall be opened online as per the date and time given in detailed tender schedule through e-Tendering procedure only.

TERMS AND CONDITIONS

1. The tender will be opened on as per online time schedule in the presence of Bidder's representative who choose to attend at the time, date and place specified in the schedule of requirements. Change in the place of opening of tender, if any, will be communicated in advance.
2. The tender is non –transferable.
3. The technical details in envelop T1 will be opened on as per schedule at first instance. A competent committee will evaluate the same. If the technical specifications are as per the tendered specifications, tender will be accepted. Otherwise, in case where the technical details (envelop T1) fails to meet the requirements, the Financial details (envelop C1) will not be opened and the tender will stand rejected. At the Second stage, financial details of only technically qualified offers shall be opened for further evaluation and ranking before awarding the contract.
4. No tender will be considered without earnest money deposit. Conditional tender will not be accepted except for bidders who are exempted from earnest money deposit as per the government rules.
5. The tenderer has to pay Rs. 3,00,000/- as Earnest Money Deposit through online modes of payment only using any one online pay mode as RTGS , NEFT or payment gateway.
6. The Earnest Money deposited by the tenderer shall remain in the safe custody of The Chief Conservator of Forests, Sanjay Gandhi National Park , Borivli , Mumbai 400 066, until the acceptance of the tender is made known to the tenderer and in case, his tender is accepted until the tenderer signs the contract and gives the necessary security deposit as per condition below.
7. The intending supplier shall also have to mention the name of manufacture / make, model of the article and has to enclose the pamphlets / pictures / information brochures of the appliances for which the rates are quoted. Inthe absence of the above, the items offered may not be considered. The preference will be given to (a) Manufacturer, (b) Authorized Dealers of manufacturer or (c) authorized suppliers. Such agencies must enclose adequate documents to prove their claims. The preference will be given to the items bearing CE/FD (US)/STQCCB/STQCS certificate/ISI/ISO 9000 quality control mark.
8. The price quoted should be FOR, Office of Chief Conservator of Forests, Sanjay Gandhi National Park , Borivli , Mumbai 400 066; inclusive of all duties such as excise duty, custom duty, surcharges, if any, which a tenderer is required to pay to the manufacturers, should also be included in the price. .

9. Successful tenderer will have to furnish security deposit to the extent of 3% of total cost of the items accepted by the The Chief Conservator of Forests, Sanjay Gandhi National Park as offered in the tender in the form of demand draft drawn on SBI, Borivli East, Mumbai branch in favor of the Chief Conservator of Forests. The successful tenderer should have to pay the security deposit within 10 days from date of receipt of confirmed order, failing which his / her earnest money deposit is liable to be forfeited and he / she shall cease to be a successful tenderer. Thereafter, The Chief Conservator of Forests shall be free to enter into contract with any other tenderer.
10. All the Equipments / Instruments / Machinery / Furniture must be of the best quality, sound and / or as per the detail specifications and subject to the approval of The Chief Conservator of Forests, Chief Conservator of Forests, Sanjay Gandhi National Park , Borivli East, Mumbai-66
11. The Tenders as furnished should remain open and should be valid for 365 days from the date of opening of tender.
12. Successful tenderer has to sign MoU of terms and conditions between Sanjay Gandhi National Park/ Govt of Maharashtra and company.
13. Any infringement of the terms and conditions of the Contract will make the tenderer liable for cancellation and further any earnest money or security deposit paid will be forfeited by The Chief Conservator of Forests, Sanjay Gandhi National Park .
14. The amount of earnest money deposited by the tenderer will be refunded in due course of time.
15. Tenderer will not be allowed to withdraw his tender after opening the same without forfeiting his earnest money deposited.
16. The rates quoted for providing security services should be inclusive of all statutory liabilities and this should be clearly mentioned in the tender.
17. The Chief Conservator of Forests, Sanjay Gandhi National Park reserves the full rights to open/consider the second envelope (C1) only if the Chief Conservator of Forests, Sanjay Gandhi National Park is satisfied with information contained in envelope (T1). The decision of the Chief Conservator of Forests, Sanjay Gandhi National Park regarding this will be final and shall be binding on tenderer.
18. The security deposit of the tenderer shall be returned to him / her only on the completion of the contract and on their furnishing the usual demand certificate, subject to the clearance of all outstanding dues, issues or points of dispute to the satisfaction of The Chief Conservator of Forests, Sanjay Gandhi National Park .
19. If required, at the time of opening the tender The Chief Conservator of Forests or Tender Opening Committee can ask for extra specific documents and /or originals of uploaded documents to confirm its authenticity which will have to be called for / provided at that time. Failing which the decision taken by committee will be final and binding to the bidder.
20. The goods should be dispatched at suppliers risk; however, the supplier will be responsible until the entire items are installed in good condition at the destination.
21. It is within the discretion of The Chief Conservator of Forests, Sanjay Gandhi National Park authorities to increase or decrease the quantity to be purchased and/ or to relax the conditions in exceptional circumstances.

22. Installation/fitting and demonstration of Equipment's with satisfactory performance should be given before the payment is made to the supplier. Payment will be made after satisfactory report is received from the concerned Indenter / Scientist / Officer In charge.
23. The Chief Conservator of Forests reserves right to accept or reject supplies in full or in part which do not strictly stick up to the specifications or to accept the materials supplied with slight variations in specifications or with a condition that the rates accepted shall be reduced at such rates as the competent authority of the SGNP institution may deem fit, looking to variations and such rates shall be binding on the tenderer.
24. Chief Conservator of Forests reserves the right to accept or reject - higher version of equipment etc. or any other items under the same terms and conditions quoted by tenderer.
25. The credit bill / invoice should be presented in triplicate in the name of 'Chief Conservator of Forests, Sanjay Gandhi National Park, Mumbai after receiving the supply order. The Chief Conservator of Forests, Sanjay Gandhi National Park will not be liable for any delay in payment of bill(s). Payment for goods supplied will be effected through NEFT only. The payment of the machines to successful tenderer will be released up to 80% on delivery, installation and successful demonstration of machine with real time running of machine for 15 days period. Remaining 20 % will be released after availing the training and performance evaluation report from the end user.
26. Before signing the agreement bond the tenderer will have to produce Income Tax Clearance certificate.
27. Even though the tender is technically accepted but after receiving of the said equipment / instruments etc., if it is found that the technical specifications given in the tender document do not match with supplied equipment, The Chief Conservator of Forests reserves the right to reject the purchase order and the purchase order will be given to the next tenderer after negotiations.
28. The Chief Conservator of Forests, Sanjay Gandhi National Park reserves the right to accept or reject any or all the tenders without assigning any reason thereof.
29. Date of Delivery of equipment is 30 days from a firm order and it would be scrupulously adhered to by the supplier.
30. All the disputes whatsoever in connection with the tender notice etc. shall be subject to the jurisdiction of Bombay High Court.
31. The firm quoting for the above mentioned equipment should have past experience of having supplied and installed including work of the similar equipment to any Government organizations.
32. The firm will have to give successful demonstration of the equipment at Chief Conservator of Forests, Sanjay Gandhi National Park, post installation of the equipment's.
33. The equipment's with accessories must be of the best quality, sound and / or as per the detail specifications and subject to the approval of The Chief Conservator of Forests, Sanjay Gandhi National Park, Borivli East, Mumbai-400066.
34. The firm will arrange to impart training / familiarization in operating the equipment to assigned staff of Chief Conservator of Forests, Sanjay Gandhi National Park.

35. The terms and conditions herein contained shall form part of and shall take effects as if they were included in the contract agreement to be entered into by a successful tenderer.
36. The goods should be dispatched at suppliers risk; however, the supplier will be responsible until the entire items are supplied in good condition at the destination
37. No extra payment will be made on and above the final price quoted by bidder. There should not be any hidden charges.
38. Warranty period for which claim of failure of system due to voltage fluctuations shall be entertained by company. All such rectifications should be done free of cost during warranty period
39. Service and warranty: 3 years warranty is required for all the equipment's.
40. The vendor must provide application training in a fully functional laboratory.
41. Details of specialists in Mumbai for onsite applications and service support to help solve chemistry and instrumentation problems are to be provided in offer.
42. The vendor should submit list of at least 3 installations in forensic laboratories across India along with their contact details in the offer.
43. 3 Nos 5KVA UPS with 30 mins back up should be provided.
44. All required reagents and consumables for DNA profiling of forensic samples should be quoted.

7. General Conditions of Equipment Along With Required Technical Specifications for Forensic DNA Profiling Lab on Turnkey Basis

Sanjay Gandhi National Park has decided to setup DNA profiling laboratory for which bids are invited from interested parties on a turnkey basis as per the specifications given below.

Genetic Analysis System / DNA Sequencer with consumables and essential accessories for DNA profiling:

Genetic Analyzer / DNA Sequencer :

- Fluorescence based 8 capillary electrophoresis (upgradable to 24 capillary) along with all hardware and software needed for generating DNA profiles from different types of forensic / wildlife samples.
- The system should be fully automated from polymer loading and replacement, DNA separation, detection and data analysis to generate base-called or size-called results.
- The instrument should have integrated software for instrument control, data collection, quality control and auto-analysis of data.
- Capillaries should be uncoated internally with new generation of polymer optimized for its performance for medium to high through put DNA sequencing and fragment analysis requirements. The instrument should be able to use appropriate flowable and performance optimized polymers as per separation matrix.
- The system should have capability for tracking consumables using preferably RFID technology to monitor usage, lot nos., part nos., expiry dates, and on instrument life time.
- System should operate by using virtual filters and peltier cooled charged coupled device (CCD) camera.
- The excitation of all fluorescent dyes should be by a long solid state laser that utilizes a standard power supply and requires no heat removal ducting.
- The Genetic Analyzer thermal systems should maintain temperatures from 18 to 70 degrees C.
- The Genetic Analyzer should be designed for use with 8-tube Standard or Fast strips as well as 96 well Standard and Fast strips. Samples should be

automatically injected directly from the 96 well Microtiter plates or 8-strip tubes. The system software should support the ability to run sequencing and fragment analysis samples on the same plate.

- The system software should be designed with a single software interface for instrument control to regulate the functions of the instrument, automatically perform primary analysis (i.e, base calling and/or fragment sizing) and provide functionality to for real-time data assessment as well as the ability to generate quality control reports.
- The instrument should be capable of detecting minimum five or more fluorescent dyes.
- The instrument should come along with following ancillary for complete workflow requirement
 - One qty of Bench top DNA extraction system based on pre-filled cartridge extraction principle with capability to extract DNA from at least 10 samples or more at a time. System should automate the DNA isolation steps of binding, washing and elution. The system should have capability to elute the extracted DNA in selectable volumes from 20ul to 250ul
 - One qty of DNA quantitation system should be latest generation, peltier based thermal cycling system that supports standard 96 well format plates or 0.2 ml tubes (individuals or 8 trips) and should have ramp rate of the system at 6°C/sec. The instrument software should have flexibility of the virtual Standard curve feature and should calculate degradation Index.
 - One qty of end point PCR should be of 96 well block for 96 X 0.2 ml reaction tubes or 96 well reaction plates with 6 separate peltier blocks/zones
 - Two nos mini centrifuge having 2 different rotors for 12 x 1.5/2.0 mL tubes and 2 x 8 PCR tube stripes having Speed up to 14,100 x g (14,500 rpm), Metal rotor housing.
 - One Thermomixer for heating and mixing in 2.0 mL reaction vessels Efficient mixing up to 1,500 rpm, Excellent mixing performance with Anti-spill technology.

- One vortex machine with tubes and plate vortex capability.
- Two sets of five Micro Pipettes with stand viz 0.5µL -10 µL, 2µL - 20 µL, 10 µL - 100 µL, 20 µL - 200 µL, 100 µL - 1000 µL.
- Deep freezer 1 nos (of -20⁰C, horizontal) and 1Nos (of -80⁰C, vertical) with high density PUF insulation approx 400 Litre capacity and preferably two different doors.
- One qty of 2-8 Deg C Refrigerators vertical cabinet type having 400-500 Litre capacity and digital display.
- One qty of Water purification system capable of producing Type 1 ultrapure water (18.2 MΩ•cm resistivity at 25 °C and < 10 ppb Total Organic Carbon) on demand directly from potable tap water. Should be available with a built-in 185 and 254 nm UV lamp for production of low TOC water required by organic-sensitive applications. Should produce Type 3 (Reverse Osmosis) water for basic lab applications at a flow rate of 3, 5, or 8 liters per hour at 15 °C and Type 3 water is easily available from the 6L built-in reservoir, or the external 30/60 L reservoirs. Maintenance reduced to a single cartridge change once or twice a year.
- One qty of Approx 4ft laminar hood with HEPA filter from reputed Indian company.
- One qty of Tissue/Bone/Tooth freezer/mixer mill having reproducible, efficient grinding, mixing and homogenization in seconds, powerful grinding by impact and friction, up to 30 Hz for up to 20 samples per run using disposable tubes, 3 different grinding modes (dry, wet or cryogenic), for leak-proof grinding, wide range of accessories including various jar and ball sizes, adapter racks, grinding tool materials, CryoKit.
- Vendor should provide one Ph meter, one vertical autoclave and one digital balance to measure upto 0.001 mg accurately and horizontal gel electrophoresis system.
- Refrigerated, Microprocessor controlled, multi rotor compatible Table top centrifuge with variable RCF value, Max. RCF approx 20,000 x g, Max. Capacity: For Fixed Angle Rotor 6 x 100 ml with 13000 rpm; For Swingout Bucket Rotor 4 x 400 ml with approx 5000 rpm capability and

a plate rotor to spin at least 6 standard plate with 4000 rpm should be included. Carbon fiber rotor and auto lock technology should be preferable.

All the plastic ware like centrifuge tube, falcon tube, pipette tips, PCR tubes for 200 samples and general reagents like Agarose, Sodium chloride, Sodium Acetate, EtBr. NaOH pellet etc should be provided.

Technical Bid (Envelop-T1):

Technical Bid consisting of all technical details along with commercial terms & conditions.

1. Product Literature / leaflets consists of detailed description of goods essential technical and performance characteristics.
2. Document showing that the manufactures/Authorized Agent / Dealer has facility of the after sales service, repairing of the equipment, machinery at the site / shop.
3. Certified copy of PAN and ITCC issued by Department of Income Tax.
4. Documents showing capability to carry out supplier's maintenance, repair & spare parts stocking obligations.
5. GST Registration: Documentary evidences of GST registration, (GST number) must be attached.
6. Users list for the equipment's with accessories during last five years.
7. Certificate showing Warranty of the equipment should be 3 years.
8. Certificate stating prices are valid for 365 days from date of opening of the tender.
9. Covering letter
10. Duly signed forms/ declarations from part 1 - 6
11. Part 6 clause-by-clause commentary on the purchaser Technical specification.
12. Any other relevant additional document

Financial Bid (Envelop-C1):

Financial bid indicating price for the item mentioned in the Technical Bid along with covering letter.

Prices: Be quoted on FOR Chief Conservator of Forests, Sanjay Gandhi National Park , Borivli East, Mumbai-66 . Prices shall be quoted in Indian Rupees otherwise it shall be treated as non-responsive and rejected. Rates quoted should include all duties such as Customs & Excise, GST / any other taxes" whichever and wherever applicable. Tenderers should quote their GST / any other taxes registration number.

8. COVERING LETTER FOR SUBMISSION OF TENDER

To

The Chief Conservator of Forests,
Sanjay Gandhi National Park,
Borivli East, Mumbai-66

Subject: Tender for purchase of Forensic DNA Profiling Lab on Turnkey Basis with Specifications for items enlisted

Sir,

In accordance with the advertisement appeared in _____ on _____ and as per terms and conditions of the tender, I am submitting herewith my tender quoting therein minimum rates for the supply of Forensic DNA Profiling Lab on Turnkey Basis with Specifications for items enlisted as attached below

Yours sincerely,
Signature of the Tenderer with
Date

9. PART – 1: Schedule of Requirements

Sr. No.	Brief Description of Goods	Accounting Unit	Quantity	Delivery Schedule

1. Inspection and Tests:-

- (i) Certificate showing country of origin_____
- (ii) Test certificate / inspection certificate with date, name of Issuing Agency content of specifications (To be filled by bidder)

2. Insurance: Rates should be quoted FOR destination (Chief Conservator of Forests, Sanjay Gandhi National Park , Borivli East, Mumbai-66). Insurance shall be arranged by the tenderer / contractor.

3. Warranty: warranty of three years be given for item/equipments as well as for its accessories from the date of installation of the equipment /instruments / machinery etc.

4. Installation: As per purchase order clause, failing which Liquidated Damage clause shall apply.

5. Prices: **Be quoted on FOR Chief Conservator of Forests, Sanjay Gandhi National Park ,Borivli East Mumbai 400 066; inclusive of all taxes.** Prices shall be quoted in Indian Rupees otherwise it shall be treated as non-responsive and rejected.

6. A) Taxes and duties:- A Foreign Supplier shall be entirely responsible for payment of all taxes, Stamp duties license fees & other levies imported from outside India. The same applies for any local supplier operating within India. The supplier may charge full GST / any other taxes. However, SGNP may issue Custom Duty Exemption Certificate issued by Department of Science and Technology, New Delhi for the imported stores being a research Institute.

B) Rates quoted should include all duties such as Customs & Excise, GST / any other taxes. should be shown separately as “GST / any other taxes” wherever applicable. Tenderers should quote their sales tax registration number.

Signature

(in the capacity of)

Duly authorized to sign bid for and on
behalf of bidder

10. PART – 2: Manufacturer’s Authorization Form

To

The Chief Conservator of Forests,
Sanjay Gandhi National Park ,
Borivli East, Mumbai-66

Dear Sir,

Ref: Your Bidding Documents No.....

Wewho are established and reputable manufactures of(name and description of the goods offered in the bid) having factories at hereby authorize M/s(Name and address of the agent) to submit a bid, negotiate (as and if necessary) and conclude the contract with you against your above mentioned Bidding Documents for the above goods manufactured by us.

No company or firm or individual other than M/s.....(name and address of the above agent) is authorized to bid, negotiate and conclude the contract against this specific Bidding Documents for the above mentioned goods manufactured by us.

We hereby extend our full guarantee and warranty of the General Conditions of Contract, read with modification, if any, in the Special Conditions of Contract for the goods and services offered for supply against this Bidding Document by the above firm.

Yours faithfully,

(Signature, name and designation)

For and on behalf of

M/s.....

(Name & address of the manufactures)

Note: This letter of authorization should be on the letter head of the manufacturing firm and should be signed by a person competent and having the power of attorney to legally bind the manufacture.

(Must be on the letter head of the firm)

NO DEVIATION STATEMENT

To,

The Chief Conservator of Forests,

Sanjay Gandhi National Park ,

Borivli East, Mumbai-66

Sir,

We submit herewith a no deviation statement giving comparison of our technical offer and the specifications of the items mentioned in the tender No. _____ due on _____.

Name of the manufacturer _____ Make and Model No.

Specification of equipment stated in Tender Enquiry <u>step by step</u>	Specification of equipment offered by Bidder <u>step by step</u>	Whether there is any deviation from the tender specification Yes/No	If yes indicate clearly the deviations and your justification for the deviation
1	2	3	4

Name and signature of the bidder

With seal

Note:

Bidder must detail the proforma in above format and **mere certifying that 'There is no deviation between tender specifications and specifications quoted by the bidder' is not acceptable and such bids are likely to be rejected.**

11. PART – 3: Bid Form

Date:

To

The Chief Conservator of Forests,
Sanjay Gandhi National Park ,
Borivli East, Mumbai-66

Ref: Your bidding documents No. Dated:

Having examined the above mentioned bidding documents, including agenda Nos. (if any), the receipt of which is hereby duly acknowledge, we the undersigned, offer to supply and deliver..... (description of goods and services) in conformity with the said bidding documents.

We undertake, if our bid is accepted, to deliver the goods and complete the services in accordance with the delivery schedule specified in the schedule of Requirements after fulfilling all the applicable requirements incorporated in the above referred bidding documents.

If our bid is accepted, we will provided you with performance security as per the instructions specified in GCC clause 7 and in a form acceptable to you in terms of GCC clause 7.5 for a sum equivalent to 10% (ten percent) of the contract price for the due performance of the contract.

We agree to abide by this bid for the bid validity period specified in the tender document or for the subsequently extended period, if any agreed to by us and it shall remain binding up on us and may be accepted at any time before the expiration of that period.

Until a formal contract is prepared and executed, this old bid together with your written acceptance thereof and your notification of award, shall constitute a binding contract between us.

We understand that you are not bound to accept the lowest or any bid you may receive.

Dated this.....day of2019.

Signature

(in the capacity of)

Duly authorized to sign bid for and on behalf of
bidder

(Must be on the letter head of the firm)

No.

Date

12. UNDERTAKING FOR DELIVERY, INSTALLATION AND DEMONSTRATION

We _____ the
manufacturer/supplier/dealer/bidder of _____ (name of the item) do
undertake to deliver, install and demonstrate the material mentioned in the tender
No. _____ due on _____ within the stipulated
delivery period mentioned in the tender form.

For and on behalf of _____

Seal of the manufacturer _____

13. PART – 4:

DECLARATION - I

(The following declarations shall be made herein by the tenderer on letter head)

l) The Chief Conservator of Forests, Sanjay Gandhi National Park, may rescind all contracts by two weeks notice to me / us writing:

a) If I / We assign or subject my/our contract without their approval or if I / We attempt to do so.

b) If I / We decline, neglect or delay to comply with any demand or requisition or in any other way fails to perform or observe any condition of the contract or am/ are in the opinion of The Chief Conservator of Forests, Sanjay Gandhi National Park, Mumbai, which shall be final not likely to carry out contract satisfactorily.

c) If I / We or any of my / our partner become insolvent or apply for relief as an insolvent, debtor(s) or make any composition with my / our creditors or attempt to do so.

d) If I / We or any of my / our agents or servants shall

i) be guilty of fraud in respect of the contract, or any other contract entered into by me / us with The Chief Conservator of Forests, Sanjay Gandhi National Park, Mumbai or

ii) directly or indirectly given promise or offer any kind of bribe gratuity gift, loan requisite, reward of advantage pecuniary or otherwise to any officer or person in the employment of the Govt. in any way relating to such officer's or persons in office or employment or attempt to do so.

e) If any such officer or persons nominated in Clause become in any way directly or indirectly interested in the contract.

f) In case of such rescission / my / our security deposit, with (Chief Conservator of Forests, Sanjay Gandhi National Park , Mumbai) shall stand forfeited.

This letter of declaration should be on the letter head of the tenderer and should be signed by a person competent and having the power of attorney to legally bind the tenderer

14.

DECLARATION - II

(The following declarations shall be made herein by the tenderer on
letterhead)

1) I / We hereby declare that the terms and conditions of this tender and that contract agreement form have been seen and read by me / us (or read translated and explained to me / us) and I/We accept the said terms and conditions as mentioned in tender.

2) I / We hereby bind myself / ourselves to The Chief Conservator of Forests, Sanjay Gandhi National Park , Mumbai for any on behalf of the **Dept of Revenue and Forests, GoM** to provide during the period under contract, the security services at their own rates tendered herewith by me/us.

3). The Chief Conservator of Forests, Sanjay Gandhi National Park, Mumbai reserves the rights to add, alter and delete any of the condition mentioned in this document.

4). The Chief Conservator of Forests, Sanjay Gandhi National Park , Mumbai reserves the rights to reject the lowest or any or all tenders without assigning any reason whatsoever.

5). The Chief Conservator of Forests, Sanjay Gandhi National Park , Mumbai will not be responsible for delay or non receipt of tender related correspondence during transit by post.

(Signature)

Name & Address of the signatory

Note: The signatory of the declaration above and of the tender must be duly authorized Executive of the firm or company on whose behalf he may acting and must indicate his official designation.

15. PART – 5:**Details regarding Taxes:**

Sr. No.	Taxes	Details of Taxes
1	PAN No.	
2	GST No.	
3	Local Sale tax No.	
4	Central Sale tax No.	
5	Excise No	
6	VAT No.	

16. Details regarding Bank:

Sr. No.	Details	Details of information of Bank
1	Bank Name	
2	Branch	
3	A/c. No.	
4	IFSC No	
5	NEFT No.	
6	MICR No.	
7	Email	
8	Address	
9	City	
10	State	

17. PART – 6:

Clause-by-clause commentary on the purchaser Technical specification

Sr No	Requirements	Technical details
1	<p><u>Genetic Analyzer / DNA Sequencer :</u> Fluorescence based 8 capillary electrophoresis (upgradable to 24 capillary) along with all hardware and software needed for generating DNA profiles from different types of forensic / wildlife samples.</p>	
2	<p>The system should be fully automated from polymer loading and replacement, DNA separation, detection and data analysis to generate base-called or size-called results.</p>	
3	<p>The instrument should have integrated software for instrument control, data collection, quality control and auto-analysis of data.</p>	
4	<p>Capillaries should be uncoated internally with new generation of polymer optimized for its performance for medium to high through put DNA sequencing and fragment analysis requirements. The instrument should be able to use appropriate flowable and performance optimized polymers as per separation matrix.</p>	
5	<p>The system should have capability for tracking consumables using preferably RFID technology to monitor usage, lot nos., part nos., expiry dates, and on instrument life time.</p>	
6	<p>System should operate by using virtual filters and peltier cooled charged coupled device (CCD) camera.</p>	
7	<p>The excitation of all fluorescent dyes should be by a long solid state laser that utilizes a standard power supply and requires no heat removal ducting.</p>	
8	<p>The Genetic Analyzer thermal systems should maintain temperatures from 18 to 70 degrees C.</p>	
9	<p>The Genetic Analyzer should be designed for use with 8-tube Standard or Fast strips as well as 96 well Standard and Fast strips. Samples should be automatically injected directly from the 96 well Microtiter plates or 8-strip tubes. The system software should support the ability to run sequencing and fragment analysis samples on the same plate.</p>	
10	<p>The system software should be designed with a</p>	

	single software interface for instrument control to regulate the functions of the instrument, automatically perform primary analysis (i.e, base calling and/or fragment sizing) and provide functionality to for real-time data assessment as well as the ability to generate quality control reports.	
11	The instrument should be capable of detecting minimum five or more fluorescent dyes.	
12	One qty of Bench top DNA extraction system based on pre-filled cartridge extraction principle with capability to extract DNA from at least 10 samples or more at a time. System should automate the DNA isolation steps of binding, washing and elution. The system should have capability to elute the extracted DNA in selectable volumes from 20ul to 250ul	
13	One qty of DNA quantitation system should be latest generation, peltier based thermal cycling system that supports standard 96 well format plates or 0.2 ml tubes (individuals or 8 trips) and should have ramp rate of the system at 6°C/sec. The instrument software should have flexibility of the virtual Standard curve feature and should calculate degradation Index.	
14	One qty of end point PCR should be of 96 well block for 96 X 0.2 ml reaction tubes or 96 well reaction plates with 6 separate peltier blocks/ zones	
15	Two nos mini centrifuge having 2 different rotors for 12 x 1.5/2.0 mL tubes and 2 x 8 PCR tube stripes having Speed up to 14,100 x g (14,500 rpm), Metal rotor housing.	
16	One Thermomixer for heating and mixing in 2.0 mL reaction vessels Efficient mixing up to 1,500 rpm, Excellent mixing performance with Anti-spill technology.	
17	One vortex machine with tubes and plate vortex capability.	
18	Two sets of five Micro Pipettes with stand viz 0.5µL - 10 µL, 2µL - 20 µL, 10 µL - 100 µL, 20 µL - 200 µL, 100 µL - 1000 µL.	
19	Deep freezer 1 nos (of -20°C, horizontal) and 1Nos (of -80°C, vertical) with high density PUF insulation approx 400 Litre capacity and preferably two different	

	doors.	
20	One qty of 2-8 Deg C Refrigerators vertical cabinet type having 400-500 Litre capacity and digital display.	
21	One qty of Water purification system capable of producing Type 1 ultrapure water (18.2 MΩ•cm resistivity at 25 °C and < 10 ppb Total Organic Carbon) on demand directly from potable tap water. Should be available with a built-in 185 and 254 nm UV lamp for production of low TOC water required by organic-sensitive applications. Should produce Type 3 (Reverse Osmosis) water for basic lab applications at a flow rate of 3, 5, or 8 liters per hour at 15 °C and Type 3 water is easily available from the 6L built-in reservoir, or the external 30/60 L reservoirs. Maintenance reduced to a single cartridge change once or twice a year.	
	One qty of Approx 4ft laminar hood with HEPA filter from reputed Indian company.	
22	One qty of Tissue/Bone/Tooth freezer/mixer mill having reproducible, efficient grinding, mixing and homogenization in seconds, powerful grinding by impact and friction, up to 30 Hz for up to 20 samples per run using disposable tubes, 3 different grinding modes (dry, wet or cryogenic), for leak-proof grinding, wide range of accessories including various jar and ball sizes, adapter racks, grinding tool materials, CryoKit.	
23	one Ph meter, one vertical autoclave and one digital balance to measure upto 0.001 mg accurately and horizontal gel electrophoresis system.	
24	Refrigerated, Microprocessor controlled, multi rotor compatible Table top centrifuge with variable RCF value, Max. RCF approx 20,000 x g, Max. Capacity: For Fixed Angle Rotor 6 x 100 ml with 13000 rpm; For Swingout Bucket Rotor 4 x 400 ml with approx 5000 rpm capability and a plate rotor to spin at least 6 standard plate with 4000 rpm should be included. Carbon fiber rotor and auto lock technology should be preferable.	

Signature with seal of the Tenderer with Date

18. Covering Letter for Financial Bid

To,

The Chief Conservator of Forests,
Sanjay Gandhi National Park ,
Borivli East, Mumbai – 400 012

Subject : Tender for purchase of **Forensic DNA Profiling Lab on Turnkey Basis**

Sir,

I am pleased to submit the rates for Tender for purchase of **Forensic DNA Profiling Lab on Turnkey Basis** for the year 2019-2020 as per your Tender Notice published in the daily newspaper viz. _____, dated _____.

The rates quoted are FOR, Chief Conservator of Forests, Sanjay Gandhi National Park , Borivli East, Mumbai 400 066, inclusive of all Levies and Taxes etc. of Central / State Government or any authorities.

I/We read all the conditions mentioned in your Tender enclosed to this form from Page No. 1 to _____ and these conditions are acceptable to me / us.

If there is any increase in Levies or Taxes imposed by any authority (Central / State Government or Local authorities) or any other liabilities, I/We agree to pay it and Sanjay Gandhi National Park will not be responsible for any such payment or liabilities.

Yours faithfully,

(Name of Agency/Company & Seal)

19. Bid Price Details

Note: Commercial Offer has to be entered online only. An Online Form, similar to the Commercial format given below, will be available to the bidders in Commercial Envelope (C1) during Online Bid Preparation stage where bidders would quote their offer.

Sr. No.	Description of the Item / Product	Unit	Mention Type and Percentage of Charges / Taxes here	Base Price (In INR)	GST/ST / VAT (In INR)	Other Charges / Taxes if any (In INR)	Final Price (In INR) inclusive of All Taxes F.O.R. at Chief Conservator of Forests, Sanjay Gandhi National Park , Borivli East Mumbai 400012
1.		1					
2.							

20. Final List of Documents to be uploaded Online:

The following documents should be uploaded by the bidders in the form of PDF Files in the same order as mentioned below, on the e-Tendering website during Online Bid Preparation stage.

Technical and commercial Envelope

Sr. No.	List of Documents	Compulsory / Additional
1.	Scanned From Original Copy of Covering letter	Compulsory
2.	EMD or (EMD exemption Certificate if applicable)	Compulsory
3.	Scanned From Original Copy of Certificate of registration in case of manufacturer	Compulsory
4.	Scanned From Original Copy of Documents of GST Registration/GST No.	Compulsory
5.	Scanned From Original Copy of Certified copy of PAN Card.	Compulsory
6.	Scanned From Original Copy of Certified copy of ITCC issued by Department of Income Tax (Last two consecutive years) or balance sheet of the firm for last two consecutive years.	Compulsory
7.	Scanned From Original Copy of Certified copy of GST Returns (Last two consecutive years) or balance sheet of the firm for last two consecutive years.	Compulsory
8.	Scanned From Original Copy of Authorization certificate	Compulsory
9.	Scanned From Original Copy of No deviation statement	Compulsory
10	Bid Form	Compulsory
11	Scanned From Original Copy of Technical Literature/Relevant Leaflet of the equipment	Compulsory
12	Scanned From Original Copy of User List on letter head	Compulsory
13	Scanned From Original Copy of Undertaking of delivery, installation and demonstration	Compulsory
14	Declaration – I and II	Compulsory
15	Clause-by-clause commentary on the purchasers Technical specification	Compulsory
16	Warranty Certificate for 3 years	Compulsory

Note: During Online Bid Preparation, apart from the above mentioned documents, if any need arises to upload additional documents in Technical Envelope, an option of 'Upload Additional Documents' has been provided in the e-Tendering software which will be available to bidders during Online Bid Preparation stage

21. Commercial Bid

Name of the Bidder/ Bidding Firm/ Company :						
PRICE SCHEDULE						
(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)						
NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT With Taxes	TOTAL AMOUNT In Words
1	2	4	5	13	53	55
1.01	Forensic DNA Profiling Lab on Turnkey Basis as per RFP	1.000	On Turnkey Basis		0.000	INR Zero Only
Total in Figures					0.000	INR Zero Only
Quoted Rate in Words				INR Zero Only		