TENDER
FOR
Obstetric Training Tool for Department of Prasuti Tantra
AT
NATIONAL INSTITUTE OF AYURVEDA, JAIPUR

<table>
<thead>
<tr>
<th><strong>NIT ISSUE DATE</strong></th>
<th>25-07-2020 (9.00 AM)</th>
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</thead>
<tbody>
<tr>
<td><strong>NIT NO.</strong></td>
<td>NIA/CS/PT/2020/020</td>
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<td><strong>PRE-BID MEETING</strong></td>
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<td><strong>LAST DATE OF SUBMISSION</strong></td>
<td>13-08-2020 (3.00 PM)</td>
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<td><strong>BID OPENING DATE</strong></td>
<td>14-08-2020 (3.00 PM)</td>
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<tr>
<td><strong>TENDER COST</strong></td>
<td>2500/-</td>
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NATIONAL INSTITUTE OF AYURVEDA
MINISTRY OF AYUSH GOVT. OF INDIA
JORAWAR SINGH GATE AMER ROAD, JAIPUR
National Institute of Ayurveda, Jaipur an autonomous body under the Ministry of AYUSH, Government of India invites Online bids in two bid system for tenders for supply & installation of the Obstetric Training Tool for Department of Prasuti Tantra. Best offers are invited along with the complete details of specifications, terms & conditions.

<table>
<thead>
<tr>
<th>S.N.</th>
<th>ITEM DESCRIPTION</th>
<th>QTY</th>
<th>EMD (RS.)</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Obstetric Training Tool for Department of Prasuti Tantra</td>
<td>01</td>
<td>320000/-</td>
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</tbody>
</table>

INSTRUCTIONS:

1. Bids shall be submitted online at CPPP website: https://eprocure.gov.in/eprocure/app.
2. The complete bidding process is online Bidders should be in possession of valid digital Signature Certificate (DSC) of class II or III for online submission of Bids, Prior to bidding DSC need to be registered on the website mentioned above.
3. Tenderer/Contractor/Bidders are advised to follow the instructions provided in the instructions to the contractors/Tenderer/Bidders for the e-submission of the bids online through the Central Public Procurement Portal for e-Procurement at https://eprocure.gov.in/eprocure/app.
4. Bid documents may be scanned with 100 dpi in black and white option which helps in reducing size of the scanned document.
5. EMD Payment:
   The Bidder shall be required to submit the Earnest Money Deposit (EMD) for an amount of Rs 320000/- (Rupees three Lakhs twenty Thousand Only) by way of demand drafts or Bank Guarantee only. The demand drafts of Bank Guarantee shall be drawn in favour of “Director, NIA, Jaipur” Payable at Jaipur. The EMD of the Successful Bidder shall be returned after the successful submission of Bank Guarantee/Security Deposit and for unsuccessful Bidder(s) it would be returned after award of the Contract. The demand Drafts or Bank Guarantee for EMD must deliver to Director, NIA, Jaipur on or before last date /time of Bid Submission.
   a) Tenderer shall not be permitted to withdraw his offer or modify the terms and conditions thereof. In case the tenderer fails to observe and comply with stipulation made herein or back out after quoting the rates, the aforesaid amount of earnest money will be forfeited.
   b) The firm who are registered with National Small Industries Corporation (NSIC)/ OR Small Scale Industries (SSI) are exempted to submit the EMD (Copy of registration and udyog aadhar must be provided along with technical bid)
   c) Bidders are not allowed to submit more than one bid anytime during the tendering process for the same/similar tendered item else all his bids shall be cancelled thereby making him disqualified in addition to the forfeiture of the EMD.
   d) The EMD, in case of unsuccessful Bidders shall be retained by NIA, Jaipur till the finalization of the Tender. No Interest will be payable by NIA, Jaipur on EMD.
   e) EMD is required to protect the purchaser against the risk of Bidders conduct. The EMD will be forfeited if the bidder withdraws or amends its tender or impairs or derogates from the tender in any respect within the period of validity of its tender or if it comes to the notice that the information/ documents furnished in its tender is incorrect or false.
   f) The EMD/PBG shall be forfeited if successful bidder fails to supply the goods/equipment in stipulated time or fails to comply with any of the terms & conditions of the contract or fail to sign the contract.
6. Submission of Tender:

The tender shall be submitted online in two part, viz., Technical Bid and Financial Bid (BOQ). All the pages of bid being submitted must be signed and sequentially numbered by the bidder irrespective of nature of content of the documents before uploading.

The Bidder shall quote the Technical and Financial Bids as per the format enclosed with tender document.

*The offers submitted by Telegram/Fax/email shall not be considered. No correspondence will be entertained in this matter.*

7. Technical Bid:

*All pages of the Tender should be numbered and indexed.*

The bidder shall provide in its tender the required as well as the relevant documents like technical data, literature, drawings etc. to establish that the goods and services offered in the tender fully confirm to the goods and services specified by the purchaser in the tender documents. For this purpose, the bidder shall also provide a clause-by-clause commentary on the technical specifications and other technical details incorporated by the purchaser in the tender documents to establish technical responsiveness of the goods and services offered in its tender duly indicating relevant page numbers in the product literature.

The following documents are to be furnished by the contractor/Bidder along with Technical Bid as per the Tender Document:

a) Signed and scanned copy of appropriate value of valid registration certificate (if any), experience certificate as per the tender notice, PAN, GST registration certificate and Tender Acceptance Letter.

b) Signed and Scanned Copy of make and model of all systems, sub systems and additional items should be mentioned in the technical bid and complete technical details should be provided in the form of Brochures and write-ups.

c) The bidders are required to submit user certificate for the relevant equipment on the letter head of the institution (Government/Private)

d) Signed & stamped compliance sheet of the technical specification of the goods with technical printed literature must be enclosed with the bid

e) **Manufacturer Authorization:**

The bidder (if not original equipment manufacturer must submit Original Equipment Manufacturer authorization certificate that the tenderer is authorized for selling and maintain the equipment quoted for.

8. Financial Bid:

Price Schedule(s) as per BoQ format filled up with all the details including Make, Model etc. of the goods offered to be uploaded.

While filling up the columns of the Financial Bid, the following aspects should be noted for compliance:

*Price should include:*

a) Duties and fees, if any

b) Charges towards Packing & Forwarding, Inland Transportation, Insurance, Loading/Unloading and other local costs incidental to delivery of the goods to their final destination as specified in the List of Requirements and Financial Bid
Obstetric Training Tool for Department of Prasuti Tantra  
NIA/CS/PT/2020/014

(c) The price of annual CMC, as mentioned in List of Requirements, Technical Specification and Financial Bid

d) GST will be payable separately as per applicable rate.

Schedule of price bid in the form of BOQ_XXXX.xls

The below mentioned price bid format is provided as BoQ_XXXX.xls along with this Tender Enquiry Document at https://eprocure.gov.in/eprocure/app. Bidders are advised to download this BoQ_XXXX.xls as it is and quote their offer/rates in the permitted column and upload the same in the commercial bid. Bidder shall not tamper/modify downloaded price bid template in any manner. In case if the same is found to be tempered/modified in any manner, tender will be completely rejected and tenderer is liable to be banned from doing business with NIA, Jaipur.

9. The authorized signatory of the bidder must digitally sign the bid. Individuals digitally signing the bid or other documents connected with a contract must specify whether he signs as:
   a) A ‘Sole Proprietor’ of the firm or constituted attorney of such Sole Proprietor
   b) In case of partnership firm he must have authority to quote & to refer to arbitration dispute concerning the business of the partnership either by virtue of the partnership agreement or a power of attorney
   c) Constituted attorney of the firm if it is a company.

10. Turnover
    The Firm/Company/Bidder/Agency should have an annual total minimum turnover of Rs 2 cr During last 3 Years (2017-18, 2018-19, 2019-2020)

11. Validity:
    The quoted rates must be valid for a period for 180 days from the date of closing of the tender. The overall offer for the assignment and bidder(s) quoted price shall remain unchanged during the period of validity. If the bidder quoted the validity shorter than the required period, the same will be treated as unresponsive and it may be rejected.

12. The bidding firm should be continuously engaged (with Valid License/Registration) in the same business at least for last 3 Years. The bidding firm should have at least 1 similar contracts with Central Government/State Government/Public Sector Undertakings/Universities/Deemed to be universities/Autonomous Bodies in last 3 Years.

13. The bidder firm should not have been blacklisted by any Ministry/Department of Govt. of India/State Government/any PSU’s etc. The Performance Security Deposit will be forfeited after awarding the Bid, in case the bidding firms found blacklisted by Central Government/State Government/PSU’s/Universities/Deemed to be Universities/Autonomous Bodies at any point of time.

14. The Director, National Institute of Ayurveda reserve the right to accept or reject any/all tenders without assigning any reason thereof.

15. Availability of Funds:
    Expenditure to be incurred for the proposed purchase will be met from the funds available with the purchaser/consignee

16. Delivery and Installation:
    For goods supplied from India:
   a) All the goods ordered shall be delivered and installed at NIA, JAIPUR within 42 days from the date of issue of supply order. All the aspects of safe delivery, installation and commissioning shall be the exclusive responsibility of the supplier. If the supplier fails to deliver, install and commission the goods on or before the stipulated date, then a penalty at the rate of 0.5%
per week or a part thereof of the total order value shall be levied subject to maximum of 10% of the total order value. The successful tenderer will also provide required training for supplied items at NIA, JAIPUR. The goods should be manufactured after adoption of latest technology y. If at any time during the currency of the contract, the supplier encounters conditions hindering timely supply of the goods and performance of services, the supplier shall promptly inform the NIA, JAIPUR for extension of the delivery schedule accordingly.

b) On receiving the supplier’s communication, NIA, JAIPUR shall examine the situation as soon as possible and, at its discretion, may agree to extend the delivery schedule, with or without liquidated damages for completion of supplier’s contractual obligations by issuing an amendment to the contract. In the case of package supply where the delayed portion of supply materially hampers installation and commissioning of the systems, liquidated damages charges shall be levied as above on the total value of the concerned package of the purchase order. Quantum of liquidated damages assessed and levied by the purchaser shall be final and not challengeable by the supplier.

17. Signing the Contract:
The successful bidder shall be required to execute the Contract Agreement accepting all terms and conditions stipulated herein on a non-judicial stamp paper of Rs. 500/- (Rs. Five Hundred only) along with performance security within fifteen days of the issue of the Letter of notification of a ward. In the event of failure on the part of the successful bidder to sign the Contract within the period stipulated above, the EMD shall be forfeited and the acceptance of BID shall be considered as cancelled

18. Performance Security:
As a guarantee towards due performance and compliance of the contract work, the successful bidder (contractor) will deposit an amount equal to 5% of order value and should be kept valid for a period of 60 day beyond completion of all the contractual obligation, including CMC period towards security deposit by way of demand draft/ bank Guarantee in favour of “DIRECTOR NIA, JAIPUR” payable at JAIPUR drawn on any Nationalized Bank/Scheduled Bank and payable at JAIPUR within fifteen days of the issue of the Letter of notification of award along with non-judicial stamp paper of Rs. 500/- (Contract agreement).

7. Incidental Services:
The supplier shall be required to perform the following services:
   a) Installation & Commissioning, Supervision and Demonstration of the goods.
   b) Providing required jigs and tools for assembly, minor civil works required for the completion of the installation.
   c) On Site Training to Doctors/ Technicians/ Staff is to be provided by Supplier for operation and maintenance of the equipment for a period of 30 working days after successful installation of the machine, as per direction of user department.
   d) Supplying required number of operation & maintenance manual for the goods.
   e) To provide non-locked open software and standard interface inter-operability conditions for networked equipment’s in hospital management information system, wherever applicable.

19. After Sales Service:
After sales service centre should be available on 24 (hrs.) X 7 (days) X 365 (days) basis. Complaints should be attended properly, maximum within 24 hrs to ensure an uptime of minimum 95%, wherever applicable, failing which the necessary penalty measures shall be enforced.
20. **Inspections:**
   a) NIA, Jaipur shall have the right to inspect and/or to test the goods to confirm their conformity to the NIT Specifications at no extra cost to the Purchaser.
   b) NIA, Jaipur right to inspect, test and, where necessary, reject the Goods after the goods arrival at the final destination shall in no way be limited or waived by reason of the Goods having previously been inspected, tested and passed by NIA, JAIPUR prior to the goods shipment.
   c) The Director, NIA, JAIPUR shall be the final authority to reject full or any part of the supply which is not confirming to the specification and other terms and conditions
   d) No payment shall be made for rejected items and those must be removed by the Bidders within two weeks of the date of rejection at their own cost and replaced immediately. In case these are not removed, these will be auctioned at the risk and responsibility of the suppliers without any further notice.

21. **Payment Terms:**
   Payment of the total order value shall be released after the successful installation/commissioning and tanning of the ordered goods against the submission of the inspection report.

22. **Guarantee/Warrantee Period:**
   The Tenderers must quote for **05 years comprehensive warranty (Including all Spares, Accessories and Labour)** from the date of completion of the satisfactory installation. The warranty charges shall not be quoted separately otherwise the offer shall be summarily rejected.

23. **Breach of Terms and Conditions:**
   In case of breach of any terms and conditions as mentioned above, the Competent Authority, will have the right to cancel the work order/job without assigning any reason thereof and nothing will be payable by NIA, Jaipur in that event the security deposit shall also stand forfeited.

24. **Insolvency etc.:**
   In the event of the firm being adjudged insolvent or having a receiver appointed for it by a court or any other order under the Insolvency Act made against them or in the case of a company the passing any resolution or making of any order for winding up, whether voluntary or otherwise, or in the event of the firm failing to comply with any of the conditions herein specified NIA, Jaipur shall have the power to terminate the contract without any prior notice.

25. **Force Majeure:**
   If, at any time during the subsistence of this contract, the performance in whole or in part by either party of any obligation under this contract is prevented or delayed by reasons of any war or hostility, act of public enemy, civil commotion, sabotage, fire, floods, explosion, epidemics, quarantine restriction, strikers lockout or act of God (herein after referred to as events) provided notice o happening of any such eventuality is given by part to other within 21 days from the date of occurrence thereof, neither party shall by reason of such event be entitled to terminate this contract nor shall either party have any claim for damages against other in respect of such non-performance or delay in performance, and deliveries have been so resumed or not shall be final and conclusive. Further, that if the performance in whole or in part of any obligation under this contract is prevented or delayed by reason of any such event for a period exceeding 60 days, either party may, at least option to terminate the contract.
26. Bidder shall submit a copy of the tender document and addenda thereto, if any, with each page of this document should be signed and stamped to confirm the acceptance of the entire terms & conditions as mentioned in the tender enquiry document.

27. After due evaluation of the bid(s) Institute will award the contract to the lowest evaluated responsive tenderer.

28. Conditional bid will be treated as unresponsive and it may be rejected.

29. Demonstration:
   NIA, Jaipur reserves the right to ask the tenderers for arranging demonstration of their equipment for which rates have been quoted, to the concerned committee, if required.

30. The Institute reserves the right to accept in part or in full or reject any or more tender(s) without assigning any reasons or cancel the tendering process and reject all tender(s) at any time prior to award of contract, without incurring any liability, whatsoever to the affected bidder or bidder(s)

31. Applicable Law:
   The contract shall be governed by the laws and procedures established by Govt. of India, within the framework of applicable legislation and enactment made from time to time concerning such Commercial dealings / processing
   Any disputes are subject to exclusive jurisdiction of Competent Court and Forum in Jaipur, Rajasthan, India only
   The Arbitration shall be held in accordance with the provisions of the Arbitration and Conciliation Act, 1996 and the venue of arbitration shall be at Jaipur. The decision of the Arbitrator shall be final and binding on both the partied

   Force Majeure: Any delay due to Force Majeure will not be attributable to the supplier.
## Technical Bid

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<tbody>
<tr>
<td>1.</td>
<td><strong>Name of Tendering Company/Firm/Agency</strong>:</td>
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<td>2.</td>
<td><strong>Name of Owner/Partners/Directors</strong>:</td>
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<td>3</td>
<td><strong>Full Particulars of the Head Office</strong>:</td>
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<td></td>
<td>- <strong>Address</strong>:</td>
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<td>- <strong>Telephone No.</strong>:</td>
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<td>- <strong>Fax No.</strong>:</td>
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<td>- <strong>E-mail address</strong>:</td>
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<td>4</td>
<td><strong>Full Particulars of the Bankers of the Company/Firm/Agency, with full Address/Tel. No.</strong>:</td>
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<td></td>
<td>- <strong>Name of the Bank</strong>:</td>
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<td>- <strong>Address of the Bank</strong>:</td>
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<td>- <strong>Telephone No.</strong>:</td>
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<td>- <strong>Fax No.</strong>:</td>
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<td>- <strong>E-mail address</strong>:</td>
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<td>5</td>
<td><strong>Registration Details</strong>:</td>
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<td>- <strong>Copy of Firm/Agency’s Registration No.</strong>:</td>
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<td>- <strong>PAN/GIR NO.</strong>:</td>
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<td>- <strong>GST Registration No</strong>:</td>
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<td>- <strong>Aadhar No. of Owner/Partners/Directors</strong>:</td>
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<td>6</td>
<td><strong>Details of Earnest Money Deposit</strong>:</td>
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<td></td>
<td>- <strong>Amounts (Rs.)</strong>:</td>
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<td></td>
<td>- <strong>DD/PO No. and Date</strong>:</td>
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<td></td>
<td>- <strong>Drawn on Bank</strong>:</td>
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<td>- <strong>Valid upto</strong>:</td>
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<td>7</td>
<td><strong>Details of Tender Fee</strong>:</td>
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<td>- <strong>Amount</strong>:</td>
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<td></td>
<td>- <strong>DD/PO No.</strong>:</td>
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<tr>
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<td>- <strong>Drawn on Bank</strong>:</td>
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<td>- <strong>Valid upto</strong>:</td>
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<td>8</td>
<td><strong>Annual Turnover of the Company/Firm/Agency for the last 3 years (With Proof duly certified by Chartered Accountant/Auditor)</strong>: Last 03 Years balance sheet and copies of Income tax returns for 3 Years as stated in Terms &amp; Conditions</td>
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<tr>
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<td>- <strong>2016-2017</strong>:</td>
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<td>- <strong>2017-2018</strong>:</td>
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<td>- <strong>2018-2019</strong>:</td>
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<td>9</td>
<td><strong>The Firm who are registered with National small Industries Corporation (NSIC)/ or SmallScale Industry / or MSME are exempted to submit the Tender fee or EMD (copy of registration must be provide along with Udhaya Addhar)</strong></td>
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<td>10</td>
<td><strong>Similar supplies in last 3 Years (with Proof)</strong></td>
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<td><strong>Experience in the field for the minimum 2 years</strong></td>
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<td><strong>Similar 3 Government Running Contract with central government/State Government/PSU/University/Deemed to be university/Autonomous bodies in last 2 years</strong></td>
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Certificate
(To be submitted with the Technical Bid)

The Annual Turnover of M/s. ____________________________ for the last 3 Years are given below and it is certified that the Statement is true and correct:

<table>
<thead>
<tr>
<th>S.N.</th>
<th>Year</th>
<th>Turnover Rs. In Lacks</th>
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<tbody>
<tr>
<td>1</td>
<td>2017-2018</td>
<td></td>
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<tr>
<td>2</td>
<td>2018-2019</td>
<td></td>
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<tr>
<td>3</td>
<td>2019-2020</td>
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<tr>
<td></td>
<td>Total</td>
<td>Rs____________________ Lacks</td>
</tr>
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</table>

Average Turnover Per Annum: Rs____________________ Lacks.

Signature of Chartered Accountant/Auditor with Seal
MANUFACTURER'S/PRINCIPAL’S AUTHORIZATION FORM

TO,
Director
National Institute of Ayurveda
Jaipur
Sir,
Tender:-----------------------------------------------------.

We ----------------------------- who are established and reputable manufacturer of having factories at ----------------------------- and -----------------------------, hereby authorize Messrs.----------------------------- (name and address of agent(s) to bid, negotiate and conclude the contract with you against Tender.

No----------------------------- for the above goods manufactured by us. No company or firm or individual other than Messrs. ----------------------------- are authorized to bid, negotiate and conclude the contract in regards to this business against this specific tender.

We hereby extend our full guarantee and warranty as per the conditions of tender for the goods offered for supply against this tender by the above firm.

The authorization is valid upto -----------------------------

Yours faithfully,

For and on behalf of messrs.-----------------------------

(Name of manufacturers) principal
Specifications

**OBSTETRIC TRAINING TOOL**

**Technical Specifications:**

1. Anatomically realistic Simulator of mother and fetus for comprehensive training in antenatal, intranatal and postnatal care.
2. Having wireless, high fidelity with an automated labour mechanism and maternal aesthetics like a real patient.
3. Integrated maternal-fetal physiological and pharmacological modelling.
4. Having manoeuvres & interventions that result in appropriate patient response automatically based on underling physiology of patient without any input from the instructor.
5. A birthing fetus and a second fetus especially designed for Leopold’s manoeuvres.
6. Fully wireless with on-board fluids, pneumatics, and electrical systems
7. Software should come with licenses to support scenario writing and editing on any computer.
8. Simulator integrated with CPR analysis in compliance with the American Heart Association’s guidelines with correct hand placement, depth, and rate of compressions being captured.

**Required features:**

1. Realistic birth canal with vulva/perineum supporting accurate fetal descent and rotation
2. Allowing Multiple Birthing Positions like lithotomy, sitting, and all-fours
3. Simulator should allow vaginal examinations to know changes of the cervix, fetal station
4. Static cervices representing various stages of dilation and effacement
5. Palpable uterine contractions which can be detected by palpating the fundus
6. Have facility to allow Instructors to control the rate and duration of contractions
7. Birthing fetus should not have any connection port at the head or buttocks for realistic presentation during both vertex and breech deliveries
8. Should have a customized fetus for Leopold’s Manoeuvres with hard head and soft buttocks, McRoberts Manoeuvre should be possible
9. Should have observable pelvic which should be registered in event log
10. Should support and detect suprapubic pressure with palpable symphysis pubis
11. Internal rotations with detection to support delivery of posterior arm during shoulder dystocia, with the detection of Zavanelli maneuver, Trendelenburg position, Left lateral tilt, and Vertex and breech delivery
12. Fetus should have heart sounds – 4 locations based on fetal presentation, Articulated fetal body neck (with lateral neck movement), shoulders, elbows, hips, and , knees, with clinically accurate fetal size with tactile realism
13. Fetus Simulator should have palpable fontanel and sagittal sutures
14. Should allow Forceps, Vacuum extraction without fatal cap
15. Simulator should allow Fetal neck traction sensing, Fetal airway suctioning
16. Fetus should cry upon delivery, with Predicted 1-minute and 5-minute APGAR scores based on integrated maternal-fetal physiology
17. Simulate should come with postpartum hemorrhage, including Class III hemorrhage, and allow for assessment of uterine atony (Contracted as well as Boggy Uterus)
18. Have facility for bimanual compression and uterine massage detection
19. Simulator exhibiting the following features - Uterine blood released upon massage, Uterine massage should automatically decrease rate of blood flow, Uterine massage compression effect and Uterine reversion
20. It should allow to place Intrauterine balloon
21. Umbilical cord can be cut and clamped
22. Allow Episiotomy
23. Have Intact/fragmented placenta with realistic color, texture and flexibility, and allowing delivery of the placenta with gentle traction
24. Should have epidural port with realistic infusion and aspiration
25. Simulator should support realistic training of team of surgeons for C-section training

**Simulator must have following features:**

### I. Respiratory

1. Should have realistic upper airway with airway management, along with advanced lungs with mechanical ventilation support
2. Should have endotracheal tubes, nasal-pharyngeal and oropharyngeal airways and display spontaneous breathing
3. Additional features like bag-valve-mask, exhibiting lung sounds: anterior and posterior, realistic chest excursion & Exhalation, positive pressure ventilation

### II. Circulatory System

1. Support real 4-lead ECG that can be connected to simulator, with 12-lead ECG simulated in software
2. Have bilateral pulses (carotid, radial, and dorsalis pedis); with controllable pulse strength

### III. Cardiovascular
Obstetric Training Tool for Department of Prasuti Tantra
NIA/CS/PT/2020/014

1. Should allow Chest compressions leading to appropriate physiological changes.
2. Advanced CPR analysis that should measure hand placement and compression depth, rate, and release, support electrical therapy (defibrillation), allow Bilateral NIBP measurement
3. Simulator have realistic Heart sounds linked to the physiology of the patient.

IV. Nervous System

1. Simulator that allow the assessment of seizures with rhythmic movement of arms, rapid blinking, and jaw movement, along with reactive pupils, and blinking
2. Should have live and pre-recorded speech and with additional ability to import customized vocal sounds into system software

V. Other Features

A). Fluids

1. Should have inbuilt postpartum bleeding tank at-least (1,800 ml)
2. Should have Bilateral IV arms with realistic flashback and urinary catheterization

B). Preprogrammed clinical scenarios should include

I). Labour Scenario

1. A normal delivery and instrumental vaginal delivery, Breech delivery, Shoulder dystocia, Umbilical cord prolapsed
2. Maternal cardio-respiratory arrest, Eclampsia
3. Fetal Tachycardia due to Maternal Pyrexia
4. Fetal central nervous system depression by narcotics administration to the mother
5. Major post-partum hemorrhage due to uterine atony

II. Urgent Obstetrical Situations (UOS) Learning Module includes the following scenarios

Maternal:

1. Anaphylactoid Syndrome of Pregnancy
2. Maternal Sepsis
3. Oxytocin Induced Uterine Tachysystole
4. Maternal Hypotension following Epidural Block
5. Uncontrolled Gestational Diabetic
6. Inadvertent Monitoring of Maternal Heart Rate

Fetal:

1. Chronic Fetal Hypoxia Associated with Placental Insufficiency
2. Fetal Heart Rate Signal Loss
3. Major Placental Abruption
4. Repetitive Decelerations Caused by Umbilical Cord Compression

III. Non-pregnant abdomen with following inbuilt scenarios.

1. Chronic Heart Failure Exacerbation
2. Acute Respiratory Distress Syndrome
3. Sepsis with Hypotension
4. Brain Attack with Thrombolytic Therapy
5. Motor Vehicle Collision with Hypovolemic Shock

Simulators should be supplied complete with

1. Wireless maternal mannequin - 01 no.
2. Software License - 04 nos.
3. Birthing fetus - 01 no.
4. Fetus for Leopold’s manoeuvres - 01 no.
5. Abdominal for labor - 01 no.
6. Abdominal for Post Labor - 01 no.
7. Static cervixes for vaginal examination - 01 set
8. Instructor wireless laptop – 01 no.
10. AR Router-01
11. Hololens-04

Patient Profiles & Scenarios

1. Should be supplied with preprogrammed patient profiles with system software to write patient profiles as per training needs
2. Should be supplied with preprogrammed clinical scenarios with system software to modify existing scenario & write new scenarios as per training needs.