

भारतीय गैर न्यायिक

एक सौ रुपये

Rs. 100

रु. 100



ONE
HUNDRED RUPEES

भारत INDIA
INDIA NON JUDICIAL

बिहार BIHAR

१९६८ २२-८-११

सं. तिथि मूल्य १०० सं. १ बाकी

नाम पता

श्रीम. देवा लक्ष्मीपति १० नमन हिल

ए.ए. १० पार्क अखिलेश्वर पटना

रमेश प्रसाद रा. समाहारणालय पटना ला०-२८/८१

L 530372

**Rate Contract For Establishment of Skill Lab
in Govt. Nursing Schools in Bihar**

The agreement made on 20/9/13 day of September, 2013 at Patna between the State Health Society Bihar, hereinafter called "SHSB" (which expression, unless excluded by or repugnant to the subject shall mean and include their heirs, assigns, executors, etc.) party of the first part.

AND

M/s Kedia Scientific & Surgical, DMC Campus, Hospital Road, Laheriasarai, Darbhanga, a proprietorship firm registered under department of commercial taxes Bihar, hereinafter called the "AGENCY" (which expression, unless excluded by or repugnant to the subject shall mean and include their heirs, assigns, executors, etc.) party of the second part.

Whereas on the presentation of documents and representation of persons noted above, their authority and the facts stated by them are believed to be correct and they undertake the responsibility and whereas "SHSB" has taken a decision to award the work pertaining to supply of various Equipments, Mannequins, Models, Charts & Supplies hereinafter referred to as "Establishment of Skill Labs in Nursing Schools in Bihar" as per terms & conditions settled between both the parties given below:-

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THIS AGREEMENT WITNESSES AS FOLLOWS:

- a. That a Notice Inviting Tender (No.- PR13589(Ni Ni) 12-13) was floated on 28.01.2013 in newspaper by State Health Society, Bihar, Sheikhpura, Patna for selection of an Agency for "Establishment of Skill Labs in Govt. Nursing Schools In Bihar" premises.
- b. That, after technical and commercial evaluation, "SHSB" decided to award the work pertaining to **provision of equipments, mannequins, models, charts & supplies pertaining to Establishment of Skill Labs according to specification and the "RATE APPROVED AGENCY"** agreed for the same.
- c. That this Agreement contains the rate and terms & conditions for the supply & delivery of equipments for establishment of skill labs.

CONTRACT

For

Establishment of Skill Labs in Govt. Nursing Schools in Bihar

Party : M/s Kedia Scientific & Surgical, DMC Campus, Hospital Road, Laheriasarai, Darbhanga

Item : Equipments, Mannequin, Models, Instruments, Charts and Supplies

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CONTRACT

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01. Definitions

01.01 In this contract, the following terms shall be interpreted as indicated:

- a) "the contract" means the agreement entered into between the purchaser and the supplier, including all attachments and appendices thereto and all documents incorporated by reference therein;
- b) "the contract price" means the price payable to the supplier under the contract for the full and proper Performance of its contractual obligations;
- c) "the Skill Lab equipments" means the equipment, mannequins, models, instruments, charts and supplies and/or other materials, which the supplier is required to supply to the purchaser under the contract;
- d) "services" means services ancillary to the supply of the equipments for skill lab such as transportation and insurance and any other incidental services, such as installation, commissioning, provision of technical assistance and other such obligations of the supplier covered under the contract;
- e) "the purchaser" means the State Health Society Bihar and includes its successors or assignees;
- f) "the supplier" means the individual or firm (the Agency) supplying the all skill lab equipments, mannequins etc under the contract and includes its successors or assignees and;
- g) "the Executive Director" means the ED of State Health Society Bihar of Department of Health, Government of Bihar who is authorized to execute relevant contracts relating to the purchase and supply of equipments, mannequins, models, instruments, charts and supplies for establishment of Skill Labs on behalf of the State Health Society Bihar.
- h) "the concerned DHS" means the respective District Health Society of the district where the skill labs have to be established in their Govt. ANM & GNM Schools

02. Application

02.01 These conditions of contract shall apply to the extent they are not superseded by provisions in other parts of the contract:

03. Origin

03.01 For purpose of this clause "origin" means the place from where the skill lab equipments are supplied.

04. Standards

04.01 All the equipments, mannequins, models, instruments, charts and supplies which are supplied under this contract shall be in conformity to the standards mentioned in the 'Technical Specifications' (refer to Annexure I) and when no applicable standard is mentioned, to the authoritative standard appropriate to all the equipments and such standards shall be the latest issued by the concerned institution.

05. Use of contract documents and information.

05.01 The Supplier shall have to abide by the standard terms and conditions as laid down in the General Financial Rules, 2005 of Bihar State and Indian Contract Act, 1872

05.02 The supplier shall not, without the purchaser's prior written consent, disclose the contract or any provision thereof or sample or information furnished by or on behalf of the purchaser in connection therewith, to any person other than a person employed/authorized by the supplier in the Performance of the contract. Disclosure to any such employed/authorized person shall be made confidential and shall extend only so far as may be necessary or for purposes of such Performance.

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- 05.02 The supplier shall not, without the purchaser's prior written consent, make use of any documentary information enumerated in clause 05.01 except for purposes of performing the contract.
- 05.03 Any document other than the contract itself, enumerated in clause 05.01, shall remain the property of the purchaser and shall be returned (in all copies) to the purchaser by the supplier on completion of the supplier's Performance under the contract if so required by the purchaser.

06. Performance security.

- 06.01 The performance security shall be for an amount of Rs. 47,02,389/- (5%) of the value of the contract Rs. 9,40,47,778/- (Rs. 41,99,513 x 20 ANMTCs and Rs. 50,28,759/- x 2 GNMTCs). It shall be furnished in the form of (Account payee Demand Draft/ Fixed Deposit Receipt from a Scheduled bank) /Bank Guarantee from a Scheduled bank.
- 06.02 The supplier has to submit the performance security within 30 days of the receipt of contract from SHSB. Performance Security should remain valid for a period of sixty days beyond the date of completion of all contractual obligations of the agency including warranty obligations.
- 06.03 The performance security deposit shall be forfeited in case any terms and conditions of the contract are infringed or the supplier fails to make complete supply satisfactorily or complete the work within the delivery / completion period agreed in the contract without prejudice to the purchaser's (SHSB) right to take further remedial actions in terms of the contract and bidding documents which formed part of the contract.
- 06.04 The Performance security shall be denominated in Indian Rupees and shall be in form of a Bank Guarantee (proforma given in Annexure II issued by any of the scheduled banks as approved by RBI).
- 06.05 The Performance security will be discharged by the purchaser and returned to the supplier on completion of the supplier's Performance obligations including the warranty obligations under the contract.
- 06.06 In the event of any contract amendment, the supplier shall, within 21 (twenty-one) days of such amendment provide revised Performance security, rendering the same valid for the contract, as amended.
- 06.07 The mannequins durability must be of minimum 2 years. The supplier agrees for 10% of payment to be released after 2 years (warranty period) as per tender notice i.e Rs. 3,30,227/- for per ANM school and Rs. 3,93,824/- for per GNM school and shall be paid after expiry of 2 years warranty (list attached as per Annexure IV).
- 06.08 The equipments should be durable for a minimum of 3 years for repeated use by trainers /trainees. The supplier agrees for receiving 10% of payment of equipments after 3 years (warranty period) as per tender notice i.e Rs. 54,137/- for per ANM school and Rs. 69,374/- for per GNM school and shall be paid after expiry of 3 years warranty (list attached as per Annexure V)..

07. Inspection and tests

- 07.01 The Skill Lab equipments would have to be delivered and installed by the supplier at designated nursing schools. All the equipments supplied should be of the best quality, specification, trademark and in accordance with the approval standard, catalogue and samples. Any change in the fitted equipments without approvals is liable to be replaced by the supplier at its own cost.
- 07.02 The goods supplied shall be inspected by a team of experts appointed by the purchaser. Payment for the same at the approved rate shall be made by the concerned District Health
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Society, Bihar. The State Health Society shall place order directly to the agency at their notified address. The agency shall then deliver the Skill Lab equipments at the concerned nursing schools directly and properly install the supplied items.

- 07.03 The purchaser or its representatives shall inspect and/or to test the equipments to confirm their conformity to the contract as per the 'Technical Specifications' provided by SHSB in Annex.I and as per SHSB approved samples within three weeks from the date of intimation by the supplier.
- 07.04 The inspections and quality tests of the supplied equipments for skill labs shall be conducted on the premises of concerned nursing schools by a team of experts or third party specialist of State Health Society. The technical member of the team of expert shall be decided by the State Health Society, whereby one member must be the Principal/Principal-in-charge of the Nursing School where the skill lab equipments have to be supplied.
- 07.05 Should any inspected or tested equipment fail to conform to the specifications/quality test, the purchaser may reject them and the supplier shall either replace the rejected item or make all alterations necessary to meet specification requirements free of cost to the purchaser, within a period of 10 (ten) days of intimation of such rejection.
- 07.06 The purchaser's right to inspect, test and, where necessary, reject the equipments after the goods arrival at the final destination shall in no way be limited or waived by reason of the equipments having previously been inspected, tested and passed by purchaser or its representatives prior to the skill lab equipment dispatched from the place of manufacture.
- 07.07 Nothing in clause 07 shall in any way relieve the supplier from any warranty or other obligations under the contract.

08. Delivery and documents

- 08.01 Delivery of the equipments for skill lab in nursing schools shall be made by the supplier in accordance with the terms specified by the purchaser in this contract in the section – Terms of Delivery (Annexure III) and as per notification of award.
- 08.02 After delivery, if it is found that equipments supplied /fitted in the skill lab is not in consonance with the specification approved by the technical committee, the action as deemed fit will be taken against the firm by the order of Executive Director.
- 08.03 The supplier shall be responsible for the proper delivery of items for skill lab. In the event of any loss, damage /breakage, the supplier shall be liable to make good such loss /damage found at the checking /inspection /verification of the skill lab by the SHSB officials, no extra cost on such account should be admissible.
- 08.04 The supply should commence within 15 days initially and shall be completed within 45-60 days of handover of space at respective ANM and GNM Schools.
- 08.05 The all fixtures and fittings shall be completed by supplier within 30 days after providing the space in respective ANM & GNM Schools. The fixture and fitting should mean the following scope of work to be done by the supplier as required

Scope of work-

- (i) Wall repairing/washing, normal distemper painting will be done in the skill labs
- (ii) ISI certified electrical covered wiring with switch and plugs, MCBs/circuit breakers required to run the equipment and miscellaneous light and fans shall be done if required
- (iii) Fans maximum up to four units and CFL light up to five units shall be fitted as and if required of ISI standard & brand of repute
- (iv) Minor repairs of adjacent toilet to skill lab if any will be repaired
- (v) Electrical wiring from point of meter /connection to the room
- (vi) Repair /replacement of windows/doors if required

08.06 For purposes of the contract, "F.O.R." "C.I.F." and other trade terms used to describe the obligations of the parties shall have the meanings assigned to them in general.

08.07 Within 24 hours of dispatch, the supplier shall notify the purchaser, consignee, indenter and the paying authority, the full details of dispatch and also shall supply following documents:

- (i) copies of supplier's invoice showing equipment name, description, quantity and total amount,
- (ii) Railway Receipt/Consignment Note/acknowledgement for receipt of equipments from the consignee(s),
- (iii) manufacturer's /supplier's guarantee certificate,
- (iv) inspection certificate issued by the nominated inspection agency, where applicable,
- (v) certificate of origin and
- (vi) any other document specified in the notification of award/contract.

09. Transportation

09.01 Where the supplier is required under the contract to deliver the skill lab equipments F.O.R., transport of the equipments, up to delivery point shall be arranged by the supplier and the cost thereof is included in the contract prices.

09.02 Where the supplier is required under the contract to deliver the equipments C.I.F. (insurance if applicable), or to a specified destination within Bihar, transport of the equipments to such point in Bihar as specified in the contract shall be arranged and paid by the supplier and the cost thereof is included in the contract price.

10. After Sales Service

10.01 The rate contracted agency shall have a Service Centre in the State of Bihar at Patna.

10.02 The supplier shall have to provide onsite facility in all 22 govt. nursing schools for carrying any minor repairing in the equipments, mannequin, models, instruments, charts and supplies. In case of major defect the supplier shall have to replace the defected item within 15 days with the new one within the warranty period which shall be either of thirty six months and twenty four months depending upon the warranty period of the respective instruments from the date of receipt by the school authority.

11. Warranty

11.01 The supplier warrants that the equipments supplied under the contract are new, unused, and as approved by the Expert Committee/Authorized assessor of SHSB unless provided otherwise. The supplier further warrants that the equipments supplied under the contract shall have no defect arising from materials or workmanship or from any act or omission of the supplier, that may develop under normal use of the supplied Skill Lab equipments in nursing schools of Bihar, i.e. the place of final destination.

11.02 **The warranty shall remain valid for Thirty Six Months and Twenty Four Months depends upon the warranty period of the respective instruments after the equipments & mannequins complete in all respects as per Specification, have been fully installed to the final destination, commissioned and taken over by the consignee to the entire satisfaction of the purchaser.**

11.03 The warranty shall not be applicable for Consumables /Plastic /Rubber Item /Disposable Items /Fuses /Bulbs /Battery /RCB etc.

11.04 The purchaser/indenter shall promptly notify the supplier in writing of any claims arising under this warranty.

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- 11.05 The supplier must ensure the availability of on-call service agent from state headquarters within 48 hours, from local within 24 hours, from outside state within 7 days and incase the problem is not rectified on site at the time of service, then it need to be rectified within next 7 days for minor defects and within 28 days for major defects.
- 11.06 If the supplier, having been notified, fails to remedy the defect(s) the purchaser on such action may proceed to take such remedial action as may be necessary, at the supplier's risk and expense and without prejudice to any other rights which the purchaser on such action may have against the supplier under the contract. The expenses incurred by the purchaser on such action shall be deducted from the Performance Guarantee given by the supplier.
- 11.07 The warranty for defective parts will begin de novo from the date of replacement. Supplier will be responsible for paying duty and all expenses up to the destination for the replaced part.
- 11.08 CMC (Labour+Spares) shall be 12% (Service Tax and Vat Extra) of all equipments, mannequins and models value with subsequent increase of 10% annually which will be paid by the purchaser.

12. Payment

- 12.01 **Payment for Skill Lab equipments and services** : Payment for all the equipments for Skill Labs and services shall be made in Indian rupees by concerned District Health Society to consigner/supplier after the equipments delivered have been cross checked with the approved specification sent to the schools by SHSB and written from Principal, ANM/GNM Training School confirmation that the equipments supplied conform to the approved specification.
- 12.02 The supplier's request for payment shall be made to State Health Society, Bihar in writing accompanied by an invoice describing, the skill lab equipments delivered and submitted and upon fulfillment of other obligations stipulated in this contract.
- 12.03 The paying authority on submission of claim by the supplier shall make payments promptly within 30 days of receipt of claim except under extra-ordinary circumstances.
- 12.04 The supplier shall be bound to deliver service within the time frame as per the contract. If the delivery is not effected on due date, SHSB will have the right to impose penalty of the total cost of the supply order @ 2% for each week subject to the maximum of 15%.
- 12.05 If the repair /replacement is not carried out within the stipulated time as per agreement penalty @ 1% per day will be imposed till the repair /replacement done.
- 12.05 90% payment towards the cost of equipment shall be made to the supplier only after the receipt /verification of installed equipments and that too within 30 days of the submission of the bills except under extra-ordinary circumstances.

13. Prices

- 13.01 Prices charged by the supplier for all the equipments for skill labs delivered and services performed under the contract shall not vary from the prices quoted by the supplier in its financial bid.
- 13.02 The price of skill lab equipments is inclusive of all taxes and all transportation costs of taking the items/materials to the respective nursing Schools in Bihar for full and proper installation.
- 13.03 **Validity of Rate** - The measures must be taken to ensure that the equipments supplied by the agency conform to the technical specifications provided in the tender. This contract shall be valid initially for a period of two years, which may be extended with the mutual consent of the parties.
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14. Change Orders

- 14.01 The purchasers may at any time by written order make changes in the scope of order at any point of delivery.
- 14.02 If any such change causes an increase or decrease in the time required for, the supplier's performance of any part of the work under the contract, whether changed or not changed by the order, an equitable adjustment shall be made in the contract delivery schedule and the contract shall accordingly be amended. Any claims by the supplier for adjustment under this clause must be asserted within forty-five (45) days from the date of purchaser's change order.

15. Contract amendments.

- 15.01 No variation in or modification of the terms of the contract shall be made except by written amendment signed by both the parties.

16. Assignment

- 16.01 The supplier shall not assign, in whole or in part, its obligations to perform under the contract, except with the purchaser's prior written consent.

17. Delays in the supplier's Performance

- 17.01 Upon showcause notice of the purchaser any unexcused/unexplained repeated delay or unsatisfactory reply by the supplier in the Performance of its delivery obligations shall render the supplier liable to any or all of the following sections:
- forfeiture of its Performance security.
 - imposition of liquidated damages and/or
 - termination of the contract for default.

18. Liquidated damages

- 18.01 **For delays:** If the supplier fails to deliver any or all of the equipments or perform the services within the time period(s) specified in the Contract or subsequent order letters of the purchaser, the purchaser shall, without prejudice to its other remedies under the contract, deduct from the contract price, as liquidated damages, a sum equivalent to 2 percent of the delivered price of the delayed equipments or underperformed services for each week of delay or part thereof until actual delivery or Performance, up to a maximum deduction of 15 (Fifteen) percent of the delayed equipments price.

19. Termination of contract

- 19.01 Not with standing clause 17 of this agreement, the purchaser shall have right without prejudice to any other remedy for breach of contract, to terminate the contract whole or in part after giving showcause notice of 15 days for proposed termination:
- a) if the supplier fails to deliver any or all of the equipments or perform the services within the time period(s) specified in the contract.
 - or
 - b) if the supplier fails to perform any other obligation(s) or committed any breach of contract thereof, under this agreement.
- 19.02 In the event the purchaser terminates the contract in whole or in part, pursuant to clause 21.01, the purchaser may procure, upon such terms and in such manner, as it deems appropriate, equipments similar to those undelivered and the supplier shall be liable to the purchaser for any excess costs for such similar equipments. However, the supplier shall continue Performance of the contract to the extent not terminated.

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20. Force Majeure

- 20.01 Notwithstanding the provisions of clause 18, 19 & 21, the supplier shall not be liable for forfeiture of its Performance security, liquidated damages or termination for default, if and to the extent that, its delay in Performance or other failure to perform its obligations under the contract is the result of an event of Force Majeure.
- 20.02 For purpose of this clause, "Force Majeure" means an event beyond the control of the supplier and not involve the supplier's fault or negligence and not foreseeable. Such events may include, but are not restricted to, acts of the purchaser either in its Sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.
- 20.03 If a Force Majeure situation arises, the supplier shall promptly notify the purchaser in writing of such conditions and the cause thereof within a week. Unless otherwise directed by the purchaser in writing, the supplier shall continue to perform its obligations under the contract as far as reasonably practical, and shall seek all reasonable alternative means for Performance not prevented by the Force Majeure event.

21. Termination for insolvency

- 21.01 The purchaser may at any time terminate the contract by giving written notice to the supplier without compensation to the supplier, if the supplier becomes bankrupt or otherwise insolvent, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the purchaser.

22. Termination for convenience

- 22.01 The purchaser, may by written notice sent to the supplier, terminate the contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the purchaser's convenience, the extent to which Performance of work under the contract is terminated, and the date upon which such termination becomes effective.
- 22.02 The equipments that are complete and ready for shipment within 30 (thirty) days after the supplier's receipt of notice of termination shall be purchased by the purchaser at the contract terms and prices. For the remaining equipments, the purchaser may elect:
- (a) to have any portion completed and delivered at the contract terms and prices and/or
 - (b) to cancel the remainder and pay to the supplier an agreed amount for partially completed equipments and for materials and parts previously procured by the supplier.

23. Resolution of disputes

- 23.01 The purchaser and the supplier shall make every effort to resolve amicably by direct informal negotiations any disagreement or dispute arising between them under or in connection with the contract.
- 23.02 If, after thirty (30) days from the commencement of such informal negotiations, the purchaser and the supplier are liable to resolve the dispute amicably, either party may require that the dispute be referred for resolution to the Development commissioner, Govt. of Bihar and Development Commissioner shall resolve the dispute under the provision of "The Arbitration and Conciliation Act 1996". And decision of the Development Commissioner shall be final and binding on both parties. However in case of any dispute of legal nature, arising out the decision of Arbitrator all legal matters will be within the Jurisdiction of a Judicial court located at Patna.
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24. Notices

- 24.01 Any notice given by one party to the other pursuant to the contract shall be sent in writing or by speed post and confirmed in writing to the address specified for the purpose of in the notification of award/contract.
- 24.02 A notice shall be effective when delivered or on the notice's effective date, whichever is later.

25. Taxes

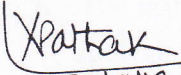
- 25.01 The supplier shall be entirely responsible for all taxes, duties, license fees, etc. incurred until delivery of the contracted equipments to the purchaser.

26. Agreement to all Terms & Conditions:

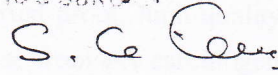
Both the parties have gone through the above-mentioned terms and conditions of the contract, and agreed mutually to comply with them.

IN WITNESS WHEREOF, the parties hereto of the first and second part have set and subscribed their respective hands and seals with the day, months, and year.

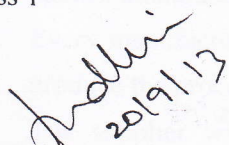
First Party


20/9/13 Dr. Y. N. Pathak
State Programme Officer
Nursing Division,
State Programme Officer (Nursing) Bihar,
State Health Society, Bihar - 800014

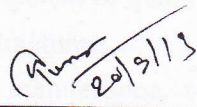
Second Party

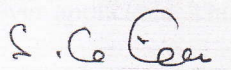

20/9/13
Sharwan Kumar Kedia (Proprietor)
M/s Kedia Scientific & Surgical

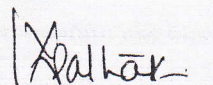
Witness 1


20/9/13
(Signature)
Name : Sudhir Kumar
Designation: Sr. Deputy Collector
cum Deputy Director,
Drug Procurement
State Health Society Bihar
Patna - 800014

Witness 1


20/9/13
(Signature)
Name : Vijendra Kumar
Address: South Madiri,
Back of Hathua Pathsala,
P.S.- Budha Colony, Patna





Annexure I

INSPECTION AUTHORITY & TEST DETAILS

(Referred to in clause 04.01 of Contract)

Inspection Authority	:	State Health Society Bihar.
Inspection Officer	:	Technical Expert Committee at state & district level
Place of Inspection	:	At the place as specified by consignee after receipt of skill lab equipments at concerned Nursing School.
Test Details	:	All the equipments shall be tested for its conformity to as per sample, which is kept in State Health Society, Bihar.

Technical Specifications (As per Tender)

GENERAL SPECIFICATIONS DESIRED FOR ALL EQUIPMENTS:

1. The material used for equipment's should be of rust proof, high quality PVC / stainless steel /polyvinyl and silicone rubber as applicable and free from any carcinogenic agents.
2. The stainless steel composition must be of 8 to 10% nickel, 18 to 20% chromium.
3. The fittings of all equipment's must be of stainless steel / aluminum.
4. The equipment's should be durable of minimum 3 years for repeated use by trainers / trainees.
5. The supplier must ensure manufacturer's warranty / guarantee for the specifications and also against manufacturing defects.
6. Every manufacturing unit must have an internal system of quality control and supplier should produce the process and certificate from the manufacturers.
7. The supplier will be responsible for service, maintenance, replacement, etc against any complaints up to the satisfactions of the users irrespective of the location of manufacturing unit.
8. The lead time of all equipment should not be more than 6 weeks after confirmation of written supply order.
9. The supplier must ensure the availability of on-call service agent from state headquarters within 48 hours, from local within 24 hours, from outside state within 7 days and incase the problem is not rectified on site at the time of service, then it need to be rectified within next 7 days for minor defects and within 28 days for major defects.
10. The equipment should have three years comprehensive warranty and two years of extended comprehensive warranty.
11. Equipment should include a Hard Carrying Case and study questions, Dos and Dont's, maintenance guide, use of equipments, background information, transparencies and vediotape, user manual with trouble shooting guidance, technical manual with maintenance and first line technical intervention instruction and any other relevant teaching /training materials, in English.
12. The equipment should have detailed information of the device features, functions, detection capabilities, software, specification and operating ranges, power source, parameter detection ranges etc wherever applicable. This description should contain engineering drawings, pictures

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- and all devices labeling such as instruction for use and promotional materials.
13. The equipment should have additional accessories as listed and also materials /get /oil to avoid friction and enhance smooth function, list of accessories & spare parts with cost & contract details of its supplier preferably within state.
 14. The payment of the equipments is linked with installation at consignee address, demonstration to service providers at consignee address and certification of installation and functionality by the head of the concerned department.
 15. The supplier /manufacturer should list the name and address of technical service providers in India.
 16. The equipments should have power cord wherever required, temperature, electrode and fittings with at least 10 meters of standard wire and accessories.
 17. The supplier should agree for receiving 10% of payment of equipments after 3 years (Warranty Period)
 18. All equipment should have device safety certification.

GENERAL SPECIFICATIONS DESIRED FOR ALL MANNEQUIN'S:

1. The Color of the mannequin should be Caucasian simulating Indian babies /adult in medium skin tones.
2. The material of the mannequin should be of polyvinyl and silicon rubber, free from any carcinogenic agents.
3. The texture of the mannequin should be soft, smooth and close to the feel of baby /adult skin as relevant. The texture must be friction free to demonstrate the desired procedure.
4. The internal parts of mannequin must be realistically sculpted, anatomically accurate and feel must be smooth /resilient /bony as relevant and suitable for simulation.
5. The mannequin must be portable and any fittings used in mannequins must be of aluminum or polycarbonate or equivalent.
6. The mannequins durability must be of minimum 2 years.
7. The material of the mannequin should withstand extremes of temperature (up to 45 degree Celsius).
8. The supplier must ensure manufacturer's warranty / guarantee for the specifications and also against manufacturing defects.
9. The manufacturing unit must have an internal system of quality control and supplier should produce the process and certificate from the manufacturers.
10. The supplier will be responsible for service, maintenance, replacement, etc against any complaints up to the satisfactions of the users irrespective of the location of manufacturing unit.
11. The lead time of all equipment should not be more than 6 weeks after confirmation of written supply order.
12. The supplier must ensure the availability of on-call service agent from state headquarters within 48 hours, from local within 24 hours, from outside state within 7 days and incase the problem is not rectified on site at the time of service, then it need to be rectified within next 7 days for minor defects and within 28 days for major defects.
13. The warranty for mannequins must be two years from the date of receiving at consignees address.
14. All mannequin should include a soft /hard Carrying Case and study questions, Dos and Dont's,

- 1824/2779
- maintenance guide, use of equipments, background information, transparencies and videotape, user manual with trouble shooting guidance, technical manual with maintenance and first line technical intervention instruction and any other relevant teaching /training materials, in English.
15. The mannequins should have additional accessories as listed and also materials /gel /oil to avoid friction and enhance smooth function, list of accessories & spare parts with cost & contract details of its supplier preferably within state.
 16. The supplier /manufacturer should list the name and address of technical service providers in India.
 17. The payment of the equipments is linked with installation at consignee address, demonstration to service providers at consignee address and certification of installation and functionality by the head of the concerned Institutions.
 18. The supplier should agree for 10% of payment to be released after 2 years (Warranty Period).

Separate specification for following Equipments, Mannequins & Models (as per Tender)

THEME 1: ANTENATAL CARE

Skill Station: Antenatal abdominal palpation and auscultation of fetal heart sound

(1) HUMAN FETUS REPLICAS

- Human fetus replicas should be very close to real
- Human fetus replicas should have actual size showing external development and growth of the fetus for corresponding gestational age
- Human fetus replicas should be available to represent different gestation period- 5th and 7th month
- Human fetus replicas should have features color and skin texture to simulating Indian babies
- Human fetus replicas should be feasible for teaching external development and growth of the fetus
- Human fetus replicas should be flexible enough to fit inside the abdominal palpation mannequin while demonstrating the Leopold maneuver during pregnancy

(2) ABDOMINAL PALPATION MANNEQUIN FOR LEOPOLD MANEUVERS DURING PREGNANCY

- The abdominal palpation mannequin should have full size adult female lower torso (abdomen and pelvis)
- The abdominal palpation mannequin should have a one piece full term fetus with palpable fontanel's, spine, shoulders, elbows and knees
- The abdominal palpation mannequin should have upper and lower inflatable cushions with independent inflating devices in the abdominal part of the mannequin
 - Lower cushion when inflated should raise the fetus to desired position
 - Upper cushion when inflated should create a firm abdomen as in the ninth month of pregnancy
- The abdominal palpation mannequin should be able accommodate the fetus in vertex, breech or transverse
- The abdominal palpation mannequin should have the facility to accommodate the fetus of

different gestational age, demonstrate vertex /breech /transverse position delivery and attach the perineum to demonstrate the episiotomy repair

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(3) DICTAPHONE

- Dictaphone should be able to give a simulation of fetal heart sound
- Dictaphone should have 4GB Digital Voice Recorder
- Dictaphone voice recorder should be perfect for recording digitally all the voices and reproduce it with good quality sound
- Dictaphone should have different recording settings
- Dictaphone should have digital pitch control /facility for different scene selection
- Dictaphone should have intelligent Noise Cut /Low Cut Filter /Digital VOR
- Dictaphone should have linear PCM /MP3 /WMA /AAC Playback
- Dictaphone should have Track Marks

THEME 2: INFECTION PREVENTION

Skill Station: Sterilization

AUTOCLAVE

- The autoclave should be of 20 L capacity and must be Stand-Alone Bench Top autoclave
- The autoclave should have automatic single door, self-sealing with high-quality silicon gasket
- The autoclave should have chamber diameter 25 cm, depth 45 cm
- The autoclave should have pre-set automatic cycles for unwrapped instruments, wrapped instruments /packs
- The autoclave should have slow exhaust and drying cycle
- The autoclave should have two automatic programmes which are 2.2 bar at 134°C and 121°C
- The autoclave should be fitted with 5 L water reservoir could be manually filled, automatic for at least 10 cycles
- The autoclave should have auto power shut-off upon completion of each cycle
- The autoclave should have 3 removable shelves, instruments trays and double safety door locking device
- The autoclave should have safety feature to protect against over-pressure and over-temperature
- The autoclave should have audible and visual alert upon cycle interruption or completion
- The autoclave should have unwrapped cycle time: cold 30 min, hot 20 min
- The autoclave should have control panel with alpha-numerical display and cycle indicators
- The autoclave should have air vents situated laterally and need to be manually closed after sterilization
- TST (Temperature Steam Time) control spot must be self-adhesive and the color changes must be irreversible when sterilized, attachable to steam sterilizing containers
- Power requirement for the autoclave must be 220 V/50 Hz single phase
- Power consumption of autoclave not more than 3000 W
- The autoclave should have device safety certification according CE 93/42, FDA 510k or equivalent
- Additional accessories:

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- Set of 3 matching instruments baskets
 - Set of 3 matching sterilizing drums
 - 3 roll of sterilization indicator TST control spots
 - 3 boxes paper sheet and crepe for sterilization pack
 - 3 rolls of adhesive tape for sterilization pack
 - 10 spare set of fuses
 - 1 box TST (Temperature Steam Time) control spot, (box of 50 TST), plus 1 record sheet
 - 2 stainless steel cylindrical sterilizing drum of 165 mm diameter
 - Thickness steel: 0.8 mm
 - Diameter, approx: 165 mm
 - Height, approx: 100 mm

THEME 3: FAMILY PLANNING

Skill Station:

1. Interval IUCD
2. Postpartum IUCD

1. HAND HELD UTERUS MANNEQUIN:

- Hand held uterus model should show coronal section of uterus, ovaries and fimbriae
- Hand held uterus model should have a clear plastic window permitting easy view of IUD
- Hand held uterus model should permit easy demo of inserting and removing of IUD
- Hand held uterus model should be made of PVC

2. FEMALE LOWER TORSO MANNEQUIN WITH NORMAL AND POSTPARTUM UTERUS AND ACCESSORIES

- Should have full size adult female lower torso (abdomen and pelvis) with relevant internal landmarks
- Should have palpable normal and pregnant uteri with Realistically sculpted and anatomically accurate ovaries and fimbriae
- Should have accessories to enhance visual recognition of normal and abnormal cervixes
- Should have removable introits
- Should have "screw" design between Uterus and cervix for fast and easy change out
- Should be suitable for teaching/practicing bi-manual pelvic examination
- Should be suitable for vaginal examination, including insertion of speculum uterine sounding and IUD insertion and removal
- Should have distal end of vagina to facilitate introduction of a female condom
- Should have features to demonstrate Minilaparotomy (both interval and postpartum tubal occlusion), Manual vacuum aspiration (MVA), visual recognition of normal and abnormal cervixes, 48 hours postpartum fundal massage
- Additional Accessories:
 - One anteverted uterus
 - One retroverted parous uterus
 - Five normal cervixes
 - Four abnormal cervixes

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- Ten fallopian tubes
 - 2x48 hour postpartum uterus with 'duckbill' cervix and fallopian tubes
 - 2 Extra locking pins and thin cervical locking ring

THEME 4: INTRANATAL CARE

Skill Station:

- Peivel examination includes cervical dilatation and pelvic assessment
- Normal Delivery
- AMTSL & Checking placentas
- Initial dose of MgSo4 for severe pre-eclampsia/eclampsia management. Yet to decide of having models
- Episiotomy repair
- Initial Management of atonic PPH
- Complicated delivery (Twin, breech, shoulder dystosis, ventose and Forceps)

1.CHILD BIRTH SIMULATOR ALONG WITH ATTACHMENT FOR CERVICAL DILATATION (CLOSED OS,4CM,6CM,8CM, FULLY DILATED CERVIX)

Features:

- Should have hemi pelvis of adult female with anatomical landmarks like pelvic cavity, spine etc. should have manual mechanical birthing system to enable the user to control the rotation and speed of fetus delivery etc.
- Should have articulating fetal baby with adaptors to fit with manual birthing system
- Should be versatile to change the position of the fetus during the process of birth including descend, flexion, extension, internal and external rotation, restitution.
- Should have features for training normal and breech deliveries
- Should have inflatable cushions to lift fetus for leopoid maneuver during pregnancy
- Shall have adaptive birth canal to demonstrate dystocia and deal with its relief
- Should have features to demonstrate cord prolapsed
- Shall allow demonstration and practice of placenta previa
- Should have cervical dilatation attachment for closed os, 4cm, 6cm, 8cm, and fully dilated cervix.
- Should have features simulating represent conditions of the cervix and vagina prior to labour, during labor and at birth in a primigravid women
- Additional Accessories:
 - One detachable padded stomach cover
 - Detachable Manual mechanical birthing system with mounting flange
 - One fully articulating fetal baby with adaptors to fit with manual birthing system
 - One elevating cushion for leopoid maneuvers
 - 6 detachable dilating cervixes
 - 6 detachable Vulve
 - 9 vulvar inserts
 - 6 placentas
 - 9 Umbilical cords
 - One 48 hour postpartum uterine activity assembly

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- One postpartum perineal insert
 - Reusable episiotomy repair module (set of 3 including medial tears, mediolateral tears and standard mediolateral episiotomy)
 - 2 sets cervical dilatation attachment for closed Os, 4cm, 6cm, 8cm, and fully dilated cervix.

2. POSTPARTUM SUTURING TRAINER

- Should enable use of standard needle holder with "00" or "000" chromic sutures
- Should have three separate modules for episiotomy
- Should have one model featuring medial episiotomy with tears in labia-minora
- Should have one model featuring medial episiotomy with peri-urethral tears
- Should have one model featuring standard episiotomy
- Should have features to attach with child birth simulator
- Additional accessories:
 - 3 nos. of medial episiotomy model with tears in labia-minora
 - 3 nos. of mediolateral episiotomy model with peri-urethral tears
 - 3 nos. of mediolateral episiotomy model

3. MANNEQUIN FOR SIMULATION AND MANAGEMENT OF PPH

- The mannequin should be highly realistic simulating postpartum hemorrhage
- The mannequin should have feature to manually control the amount of bleeding and the conditions of uterus
- The mannequin should have features to dilation of the cervix
- The mannequin should have the following
 - Full term fetus with placenta and umbilical cord
 - Blood concentrate
 - Fluid collection tray
 - Fluid drain
 - Urine catheter
 - 20ml syringe
 - carrying bag
- The mannequin should have features for training the following
 - Urine catheterization
 - normal delivery
 - Complete and incomplete placenta delivery
 - oxytocin injection
 - Controlled cord traction
 - Bimanual compression of uterus

4. INTRAMUSCULAR INJECTION TRAINING MANNEQUIN

- Intramuscular injection training mannequin should have a lifelike human lower torso with intramuscular injection site in upper outer quadrant of palpable gluteal region on both side (left

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and right)

- Intramuscular injection training mannequin should have facility such way to detach the upper portion and teach the anatomical details of posterior side of the simulator illustrating deep anatomic structure of the head of femur, the shaft of femur, the sciatic nerve, deep layers of muscles, major blood vessels and aspect of bony pelvis underlying the gluteus muscles at any one side by hand painted or molded as relevant.
- Intramuscular injection training mannequin should have intramuscular injection in ventrogluteal site below iliac crest on both side (left and right)
- Intramuscular injection training mannequin should have intramuscular injection in lateral thigh at any one side

THEME 5: COMPLICATION MANAGEMENT

Skill station:

1. BCA approach
2. Management of shock (IV catheterization and urinary catheterization)

1. ADULT CPR MANNEQUIN

- Adult CPR mannequin should have features to demonstrate opening of airway, head tilt/chin lift or jaw thrust techniques.
- Adult CPR mannequin should have disposable airways
- Adult CPR mannequin should have removable, reusable faces
- Adult CPR mannequin should have a "clicker" which confirms correct compression depth
- Adult CPR mannequin should have compression spring for consistent resistance
- Adult CPR mannequin should have weight: 3.9kg and HxWxD: 25 in x 8.5 in x 13.5 in
- Additional Accessories:
 - 6 Reusable mannequin Faces
 - 6 Airways
 - 50 Mannequin Wipes

2. ADULT IV TRAINING ARM KIT

- Adult IV training arm should have full adult arm with simulated clenched fist and tourniquet position
- Adult IV training arm should be suitable for practicing IV injection
- Adult IV training arm should have prominent venous network
- Adult IV training arm should have anatomically located venous grooves, fitted with soft latex tubes, closely simulating consistency of human veins
- Adult IV training arm must have a pliable translucent latex skin stretched over venous network
- Adult IV training arm should have simulated cephalic, basilic, antecubital, radial, and ulnar veins
- Adult IV training arm should have veins in dorsum of hand
- Adult IV training arm should have feature realistic "pop" as needle enters vein
- Adult IV training arm must have a smoked Lucite base with metal stand
- Adult IV training arm veins and skin must be replaceable
- Additional Accessories:
 - 4 set of kit with simulated blood concentrate, pressure bulb, blood dispensing bag
 - 4 sets of spare arm skin for future replacement

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3. FEMALE CATHETERIZATION MANNEQUIN

- Female catheterization mannequin should have adult female lower torso with realistic vulval area and urethral opening
- Female catheterization mannequin must have internal bladder reservoir for standard catheterization exercises
- Female catheterization mannequin should have external reservoir bladder mounted on smoked Lucite with metal stand
- Female catheterization mannequin should have modular urethral valve to prevent fluid leakage
- Female catheterization mannequin should have inflatable internal bag to lift the bladder anteriorly
- Female catheterization mannequin should have detachable upper skin to show bladder, inflatable bag and foam
- Female catheterization mannequin should show connection to bladder vagina with locking ring and rectum
- Female catheterization mannequin should have removable urinary assembly
- Additional Accessories:
 - 6 spare bladder tanks
 - 6 two urethra inserts

THEME 6: ESSENTIAL NEWBORN CARE

Skill Stations:

1. Essential New Born care
2. New Born resuscitation
3. KMC
4. Measurement of Body Temperature newborn
5. Radiant Warmer
6. Use of suction machine
7. Setting up an IV line on child arm
8. Inserting NG Tube
9. Phototherapy
10. Glucometer
11. Oxygen administration
12. Nebulization and Multi dose inhaler

1. ESSENTIAL NEW BORN CARE & RESUSCITATION MANNEQUIN

- The newborn mannequin should be realistic in size and appearance and also natural weight, feel and touch.
- Newborn mannequin should have features for training essential newborn care (ENBC) and newborn resuscitation
- Newborn mannequin should facilitate effective bag and mask ventilation, chest rise only with correct technique
- The newborn mannequin should include the following

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- Squeeze bulbs for simulation of cord pulsation spontaneous breathing, auscultation of heart sound and
 - Cry
 - 4 External umbilical cords and 6 umbilical ties
 - 4 baby sheets or towels
 - 2 head cap
 - 2 Neonatal mucus sucker (easy to open, clean, autoclavable and reusable)
 - 2 Training Stethoscope

2. NORMAL NEW BORN BABY MANNEQUINE (KMC)

- Newborn mannequin should weigh close to normal newborn(2.5-3.5 kgs)
- Newborn mannequin should have actual size showing external development and growth
- Newborn mannequin should be close to normal skin colour, texture and bony feel
- Newborn mannequin should moving head, flexible upper and lower limbs
- Newborn mannequin should have cap, nappy, mittens, socks, kangaroo mother care (KMC) dress/shawl/bed sheet for wrapping the mother and baby

3. DIGITAL THERMOMETER (MEASUREMENT OF BODY TEMPERATURE)

Digital thermometer should have

- Celsius scale with switch to Fahrenheit
- Measurement range between 32`c to 43`c
- Accurate measurement : +/-0.10c between 32c to 43c
- Liquid crystal display, easy to read
- Features to support manual switch on, with beep sound after the temperature is measured and auto switch off after 10 seconds
- Water proof and easy to clean
- Battery powered
- Low battery indicator
- Certification of safety according CE 93/42, FDA 510k or equivalent
- Must be safe to use, no glass, no memory
- Additional Accessories:
 - 5x Nickel cadmium battery

4. RADIANT WARMER

- Should have O2 cylinder provision
- Should have mobile newborn resuscitation table with fixed-height radiant warmer
- Should have side trays for accessories
- Should have four antistatic castors wheels and 2 wheels with breaks
- Should have table surface with mattress with infant head/ shoulder support
- Mattress padding should have foam density approx 21-25 kg/m³
- Mattress cover should be removable with zipper, waterproof, washable, resistant to cleaning with chlorine based saturation and flame retardant
- Side boards should be transparent acrylic drop down and lockable
- Hood suspended above the table should integrate heating element and overhead light

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- Overhead light should have 2x 50w halogen spot, with dimming function
 - Heating element should have emitter with parabolic reflector and protected by metal grid and should be with high quality heating element like ceramic
 - Control unit should allow air and skin temperature present (LCD indicator/digital indicator) and drives radiant heater output servo and manual
 - Display should report system errors, sensor failure shock proof with auto regulation for temperature maintenance
 - Power requirement 220v/50hz
 - Power consumption: 800w
 - Should have electronically controlled sensors skin and air with digital display for temperature
 - Should also have separate sensor for continuous digital display of room temperature
 - Should have heavy duty and rust proof metal body
 - Should have Servo and manual control facility
 - Should have SET temperature display on FND/LCD by mode selection
 - Must have all modes and Timer display on LCD
 - Should have all safety alarms- visual display on LCD
 - Should have skin sensor fail alarm
 - Additional Accessories:
 - 3- mattress
 - 6- spare skin temperature probe (including connection cable)
 - 3- spare heating element
 - 10-spare set of fuses
 - Power cord and fittings with at least 10 meters of wire

5. ELECTRICAL SUCTION MACHINE

- Should have housing and base: MS Powder coated cabinet with stainless steel top
- Should be mounted on bearing castor wheels with brakes, completed with pressure regulator ½ H.p motor
- Should have capacity: 0-700 mm Hg+/- 10 regulatable, flutter free vacuum control knob (pressure regulator), 25 Ltrs/min.
- Should have single rotary vane pump or other equivalent pump
- Should have wide mouthed 2x2 Liter jar (Polycarbonate) with self seating bungs and mechanical over flow safety device
- Should have 8mm IDx2 meter tubing (non-collapsible tube with adaptors- PVC)
- Should have Bourdon type 6.5 cm Diameter, 0.760 mm Hg calibration Vacuum Gauge.
- Power should be 230 v. 50HZ, 2+ 0.5 Amps, 200 watts. (110v on request)
- Should have Noise level: 50 dBA + 3 Almost whispers
- Should have 43x30x65 cms Dimension and weight of 27kgs
- Should have safety certification according to CE 93/42, FDA 510 k or equivalent

6. FOOT OPERATED SUCTION MACHINE

- Should have High performance suction pump for pharyngeal and tracheal suction
- Should have double acting piston pump provides a combination of large airflow and high vacuum

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- Should have see saw movement of pedal that generates suction every time one side of the pedal is depressed
 - Should have pump chassis complete with valve diaphragms manifold pipe, bottom cover, cylinder with draw link and valve diaphragm, piston o-ring pedal with retaining springs, aspirating tube with angle connector and combination suction tip
 - Should have pump which is totally disassembled is easy to clean and disinfect
 - All parts should be autoclaved at 121°C
 - Should have Vacuum maximum of 600 mm Hg
 - Should have free airflow at two pumping strokes per second approximately 30 to 40 l/min
 - All the parts should be made of high strength long life materials not requiring specific maintenance or storage
 - Should have transparent polycarbonate collection container capacity approximately 1 liter
 - Should have thermoplastic rubber Bottom cover
 - Manifold pipe: polypropylene Gasket, o-rings and valve diaphragm: silicone rubber
 - Should have Teflon piston rings
 - Should have aluminum foot pedal
 - Additional Accessories:
 - 3 set of silicone rubber suction tubing approx diam, 10mm, length 1.5 m
 - 3 angle connector and combination acetal suction tip
 - 2 spare valve diaphragms
 - 2 spare piston o-ring
 - 2 spare retaining springs

7. PEDIATRIC IV ARM KIT

- Should have pediatric arm
- Should have replacement skin and multi- vein system
- Should have simulated blood pack
- Should have blood bag with tubing and connector
- Should have clamp and hook
- Should have 5 syringes
- Should have Manikin Lubricant
- Additional Accessories:
 - 5-replacement skin
 - 5- multi-vein system
 - 3- simulated blood pack
 - 3- blood bag with tubing and connector
 - 3- lubricant

8. NG TUBE INSERTION MANNEQUIN

- Should look like 0-8 weeks old and Caucasian colour (Dr. Anand – for age)
- Should have soft and flexible and replaceable face skin and upper body skin
- Should allow NG exercises to demonstrate tube feeding and gastric suction
- Placing NP/ OP tubes must be possible

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- Should have landmark for ear canal
 - Should have removable internal

9. PHOTOTHERAPY UNIT

- Should have heavy study mobile stand phototherapy unit
- Should have four Antistatic castors, 2 with breaks
- Should have single head with surface size approximately 0.50x 0.75 m
- Should have head height adjustable approximately 1.40 to 1.75 m
- Should have blue light with 4 compact fluorescence tubes (CFL) approximately : 20w
- Should have white light with 2 compact fluorescence tubes (CFL) approximately :20w
- Should have grills to protect the tubes
- Should have infant table surface with foam padded mattress with density approximately 21-25 kg/m³ with head/shoulder support and
 - -Mattress cover should be movable, with zipper, waterproof, washable, resistant to cleaning with chlorine based solution and flame retardant
 - -infant table should have side boards transparent acryl, drop down and lockable
- Should be irradiance at skin level, up to :40uv/cm²/nm
- Should have wavelength 420 to 500nm, with highest intensity at 470nm integrated cumulative hour time;
- The power requirement not more than 220v/50HZ; and power consumption not more than 250w
- Phototherapy unit should have device safety certification according CE 93/42,FDA 510k or equivalent
- Additional Accessories:
 - 6 spare blue CFL tubes
 - 3 spare white CFL table
 - 10 spare set of fuses

10. GLUCOMETER

- Should have direct reading and photometry determination of total amount of glucose in whole blood
- Should have on switch and auto switch-off
- Should have automatic zero on switching on the glucometer
- Should have automatic indication for readiness for receiving of blood through strips
- Should have dual wavelength measurement, 660 and 840 nm
- Sample size: one drop of whole blood on disposable cuvette
- Measuring range, approximately 10 seconds
- Measuring range, approximately:0 to 20 mmol/L or 0 to 400 mg/dl
- Should have accuracy equivalent to laboratory spectrophotometer
- Should have large LED display readable in low light working situations, display cover durable plastic display in mmol/L and mg/dl, easy switch between both measurements
- Memory for least 100 previous test
- Device is safety certified according CE 93/42, FDA 510k or equivalent
- Additional Accessories:

- 10 x box of 100 cuvetters
- 10 x box of 100 sterile lancets
- 3 x cleaning set
- 3 x calibration set
- 3 x dust cover
- 3 x strong case
- 10 x spare set of fuses

11.OXYGEN ADMINISTRATION (OXYGEN CONCENTRATOR)

- Oxygen concentrator to provide oxygen from atmospheric air
- Oxygen concentration measured at the meter by oxygen sensing device (OSD)
- Sound level <15db
- Superior grade of molecular sieve with an indicator / sensor on the device indicating whether the sieve is functional or non-functional
- Maintenance free rotary proppet valve.
- Oxygen purity approximately 90%
- Oxygen output approximately: 0-5 LPM
- Pressure approximately: 8psi
- Double outlet or flow splitter for oxygen Delivery
- Oxygen tube of 2m length must be provided with facility for nebulization with tube & mask with tow humidifier bottle and two cabinet filters
- Power requirements: 220 v/50HZ
- Power consumption: 450w
- Device is safety certified according CE 93/42, FDA 510k or equivalent
- Additional Accessories:
 - 3 spare set of tubing
 - 3 spare set of internal and external filters(bacterial);
 - 10 spare set of fuses

12. OXYGEN ADMINISTRATION (OXYGEN HOOD)

- Should have round shape 3- Medium size, approximately height 22cm, diameter 25cm, 3 small size, approximately: height 18cm, diameter 20cm
- Should be autoclavable polycarbonate
- Should be free from trauma of silicon neck, with adjustment flap
- Should have bilateral oxygen nozzle
- Should have oxygen tube of 2 m length with one spare set of tubing
- Should have port for oxygen sensor
- Device is safety certified according CE 93/42, FDA 510k or equivalent

13.NEBULIZER

- Should be easy to use and clean
- Should deliver inhaled steroids, antibiotics and all commonly prescribed bronchodilators
- Should have features to respond to breathing pattern, increase release of drug on inspiration and to decrease the wastage of drug on expiration
- Should have mask with different size (for adult & pediatric)

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- Flow rate: 6 lpm rising up to 22 lpm on inspiration

- Additional Accessories:

- 5- Filters,
- 10 masks (Each Size),
- 10- Mask & mouth piece
- 5- Replacement mesh
- 5- Set Tubing
- 2- AC/DC Adapters,
- 10 set of Batteries

14. MULTI DOSE INHALER WITH SPACER

- The Spacer must be of 145ml volume
 - The spacer should be 5-6" long and 2" diameter
 - The spacer should fit with the inhaler
 - It should have silicone one way valve to prevent exhaling air from entering the chamber
 - The spacer should be washable, could be sterilized and reusable
 - The spacer should be latex free
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Annexure II – PERFORMANCE SECURITY FORM (BANK GUARANTEE)
(referred to in clause 07.03 of the Contract)

To

Executive Director,
State Health Society, Bihar
Bihar, Patna

Whereas..... (name and address of the supplier) (hereinafter called "the supplier") has undertaken, in pursuance of contract No.....dated.....2013 to supply (description of various equipments, mannequins, models, instruments, charts & supplies and services (hereinafter called "the contract")).

And whereas it has been stipulated by you in the said contract that the supplier shall furnish you with a bank guarantee by a recognised bank for the sum specified therein as security for compliance with its obligations in accordance with the contract.

And whereas we have agreed to give the supplier such a bank guarantee.

Now therefore we hereby affirm that we are guarantors and responsible to you, on behalf of the supplier, up to a total ofamount of the guarantee in words and figures), such sum being payable in the types and proportions of currencies in which the contract price is payable, and we undertake to pay you, upon your first written demand declaring the supplier to be in default under the contract and without cavil or argument, any sum or sums within the limits of (amount of guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the supplier before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the contract to be performed there under or of any of the contract documents which may be made between you and the supplier shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid for two years from the date of signing of the contract.

In consideration for the Executive Director, acting through the State Health Society Bihar, DoHFW (hereinafter called the purchaser) having agreed to release the 100% payment of net F.O.R. price under the terms and condition of a concluded contract No.....dated..... (hereinafter called 'the dental chair (medium) and services') to Messrs.(hereinafter called the supplier) on submission of a bank guarantee to the satisfaction of the purchaser for the due Performance of the said contract.

We..... (hereinafter called 'the bank') at the request of the supplier do, as a primary obligor and not merely as surety, hereby irrevocably, unconditionally and absolutely undertake against any loss or damage caused or suffered by the purchaser by reason of any failure of the supplier to perform or omission or negligence to perform any part of its obligations to the satisfaction of the purchaser in terms of the contract.

We, the bank, do hereby undertake to pay the amount due and payable under this guarantee without any demur merely on a demand from the purchaser stating that the amount claim is due by way of loss or damage caused to or would be caused to or suffered by the purchaser by reason of any breach by the said supplier of any of the terms and conditions contained in the said contract or by reason of the supplier's failure or omission or negligence to perform the said contract or any part thereof. Any such demand made on the bank shall be conclusive as regards the amount due and payable by the bank under this guarantee, which shall not be considered as satisfied by any intermediate payment or satisfaction of any part of or obligation hereunder. However, our liability under this guarantee shall be restricted to an amount not exceeding.....

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We, the bank, undertake to pay to the purchaser any amount so demanded by the purchaser, notwithstanding;

- (a) any dispute or difference between the purchaser and the supplier or any other person or between the supplier or any person or any suit or proceeding pending before any court or tribunal or arbitrator relating thereto or;
- (b) the invalidity, irregularity or enforceability of the contract or;
- (c) any other circumstances which might otherwise constitute discharge of this guarantee, including any act or omission or commission on the part of the purchaser to enforce the obligations by the supplier or any other person for any reason whatsoever.

We, the bank, further agree that the guarantee herein contained shall be continued one and remain in full force and effect during the period that would be taken for the Performance of the said contract and that it shall continue to be enforceable till all the dues of the purchaser under or by virtue of the said contract have been fully paid and its claims satisfied or discharged or till the office of the that the terms and conditions of the said contract have been fully and promptly carried out by the said supplier and accordingly discharges this guarantee.

We, the bank, hereby agree and undertake that any claim which the bank may have against the supplier shall be subject to and subordinate to the prior payment and Performance in full of all the obligations of the bank hereunder and the bank will not, without prior written consent of the purchaser, exercise any legal rights or remedies of any kind in respect of any such payment or Performance so long as the obligations of the bank hereunder remain owing and outstanding, regardless of the insolvency, liquidation, or bankruptcy of the supplier or otherwise howsoever. We, the bank, will not counter claim or set off against its liabilities to the purchaser hereunder any sum outstanding to the credit of the purchaser with it.

We, the bank further agree with the purchaser that the purchaser shall have fullest liberty without our consent, without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said contract or to extend time of Performance by the said supplier from time to time or to postpone for any time or from time to time and of the powers exercisable by the purchaser against the said supplier and forbear or enforce any of the terms and conditions relating to the said contract and we shall not be relieved from our liability by reason of any such variation or extension being granted to the said supplier or for any forbearance, act or omission on the part of the purchaser or any indulgence by the purchaser to the said supplier or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

This guarantee will not be discharged due to the change in the constitution of the bank or the supplier.

We, the bank, lastly undertake not to revoke this guarantee during its currency except with the previous consent of the purchaser in writing.

The disputes relating to this bank guarantee shall be resolved as per the terms and conditions of the contract.

Place:

Signature and seal of the Bank

Date :

X. K. Kulkarni

S. K. Kulkarni

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Annexure III – Terms of Delivery

(Referred to in clause 8,9 & 10 of the Contract)

1. On awarding of the contract, the supplier has to submit one set of skill lab equipment, mannequins, models, instruments, charts & supplies of one location to SHSB in Patna, at the address as notified by SHSB for quality testing.
2. On approval of the same, these would then be sent to last location after the delivery, installation and inspected & approved by purchaser or its representatives or a 3rd party according to submitted equipment, mannequins, models, instruments, charts & supplies.
3. The purchaser or its representatives or a 3rd party assigned by the purchaser shall inspect and/or to test the equipments to confirm their conformity to the contract as per the 'Technical Specifications and Inspection authority and special test' proforma (Annexure I) within three weeks from the date of intimation by the supplier. The purchaser shall notify the supplier in writing of the identity of any representatives for this purpose.
4. Should any inspected or tested equipments fail to conform to the specifications/quality, the purchaser may reject them and the supplier shall either replace the rejected equipments or make all alterations necessary to meet specification requirements free of cost to the purchaser, within a period of 15 (Fifteen) days of intimating such rejection.
5. The Supplier shall immediately intimate the contact details (detailed address, phone and fax no. and contact person) of service centre at Patna to the respective nursing schools and to State Health Society Bihar.
6. The items would have to be delivered at concerned nursing schools of the State (the supplier is required under the contract to deliver the Skill lab equipments F.O.R., C.I.F.)
7. The supply should commence within 15 days initially and shall be completed within 45-60 days of handover of space at respective ANM and GNM Schools.
8. The Installation with all fixtures and fittings shall be completed by supplier within 30 days after providing the space in respective ANM & GNM Schools. The fixture and fitting should mean the following scope of work to be done by the supplier as required

Scope of work-

- (vii) Wall repairing/washing, normal distemper painting will be done in the skill labs
 - (viii) ISI certified electrical wiring with switch and plugs, MCBs/circuit breakers required to run the equipment and miscellaneous light and fans shall be done if required
 - (ix) Fans maximum up to four units and CFL light up to five units shall be fitted as and if required of ISI standard & brand of repute
 - (x) Minor repairs of adjacent toilet to skill lab if any will be repaired
 - (xi) Electrical wiring from point of meter /connection to the room
 - (xii) Repair /replacement of windows/doors if required
9. Within 24 hours of dispatch, the supplier shall notify the purchaser, consignee, indenter and the paying authority, the full details of dispatch and also shall supply following documents:
- (i) copies of supplier's invoice showing equipments description, quantity and total amount,
 - (ii) Railway Receipt/Consignment Note/acknowledgement for receipt of equipments from the consignee(s),
 - (iii) manufacturer's /supplier's guarantee certificate,
 - (iv) inspection certificate issued by the nominated inspection agency, where applicable,
 - (v) certificate of origin and
 - (vi) any other document specified in the notification of award/contract.

(X) *Signature*

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10. Payment for skill lab equipments and services shall be made in Indian rupees by the concerned District Health Society to consigner after the equipments delivered have been cross checked by inspection authority of State Health Society/ Consignee, and on confirmation that the good supplied conform to the specification of the approved sample.

11. The supplier's request ~~for payment~~ shall be made to District Health Society in writing accompanied by an invoice describing, ~~as appropriate the equipments delivered~~ submitted pursuant to clause 8, 9 & 10 and upon fulfillment of other obligations stipulated in this contract.

12. The paying authority on submission of claim by the supplier shall make payments promptly within 30 days of receipt of claim.

13. The concerned DHS shall make payment within 30 days of receipt of invoice/bills from the agency failing which 2% of penalty for each week shall be payable upto a maximum limit of 15% of the invoice.

14. **Liquidated damages for delays** - If the supplier fails to deliver any or all of the equipments or perform the services within the time period(s) specified in the Contract or subsequent order letters of the purchaser, the purchaser shall, without prejudice to its other remedies under the contract, deduct from the contract price, as liquidated damages, a sum equivalent to 2 percent of the delivered price of the delayed equipments or underperformed services for each week of delay or part thereof until actual delivery or Performance, up to a maximum deduction of 15 (Fifteen) percent of the delayed equipments price.

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Annexure -IV
List of Mannequins for ANM Schools

Sl. No.	Mannequins	Warranty period	Qty
1	Abdominal Palpation Mannequin for Leopold Manoeuvres during pregnancy NASCO	2	2
2	Child Birth Simulator GAUMARD	2	4
3	Model with normal uterus and accessories and also with postpartum uterus attachment GAUMARD	2	2
4	Cervical dilatation attachment (Closed Os, 4 cm, 6 cm, 8 cm and fully dilated) NASCO	2	2
5	Adult IV arm training kit GAUMARD	2	2
6	Female catheterization mannequin GAUMARD	2	2
7	Adult Intramuscular Injection Training Mannequin NASCO	2	2
8	Fetal skull. NASCO /3B	2	5
9	Adult female pelvis NASCO	2	5
10	Normal newborn baby mannequin NASCO /3B	2	2
11	Essential Newborn care and Resuscitation Mannequin NASCO /LAEDRAL NEO NATALIE	2	4
12	Mannequin for simulation and Management of PPH NASCO /LAEDRAL MAMA NATALIE	2	4
13	Human Fetus Replicas (5 month and 7 month) NASCO /3B	2	2
14	Fetal Development / Embryology Development NASCO /3B	2	1
15	Model Female Pelvic Section with Baby NASCO /3B	2	1
16	Model Female Reproductive System NASCO /3B	2	1
17	Model first stage of labour NASCO /3B	2	1
18	Hand held uterus model GAUMARD	2	20
19	Penile Model NASCO /3B	2	20

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List of Mannequins for GNM Schools

Sl. No.	Mannequins	Warranty	Qty
1	Abdominal Palpation Mannequin for Leopold Manoeuvres during pregnancy (With Attachment) NASCO	2	2
2	Human Fetus Replicas (5 month and 7 month) NASCO /3B	2	2
3	Child Birth Simulator GAUMARD	2	4
4	Cervical dilatation attachemnet (Closed Os, 4 cm, 6 cm, 8cm and fully dilated) NASCO	2	2
5	Postpartum Suturing Trainer GAUMARD	2	2
6	Model with normal uterus and accessories and also with postpartum uterus attachemnt GAUMARD	2	2
7	Adult IV arm training kit GAUMARD	2	2
8	Female catheterization mannequin GAUMARD	2	2
9	Adult Intramuscular Injection Training Mannequin NASCO	2	2
10	NG tube trainer NASCO	2	2
11	Essential Newborn care and newborn resuscitation Mannequin NASCO /LAEDRAL NEO NATALIE	2	4
12	Newborn Baby doll w/o clothes. NASCO	2	2
13	Pediatric multi venous training arm kit NASCO	2	2
14	Mannequin for simulation and Management of PPH NASCO /LAEDRAL MAMA NATALIE	2	4
15	Fetal skull. NASCO /3B	2	5
16	Adult female pelvis made of synthetic material. Chinese NASCO /3B	2	5
17	Adult CPR mannequin NASCO	2	1
18	Fetal Development / Embryology Development NASCO /3B	2	1

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19	Embryology Set Model NASCO /3B	2	1
20	Model Female Pelvic Section with Baby NASCO /3B	2	1
21	Model Female Reproductive System NASCO /3B	2	1
22	Model first stage of labour NASCO /3B	2	1
23	Hand held uterus model GAUMARD	2	20
24	Penile Model NASCO /3B	2	20

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Annexure -V
List of Equipments for ANM Schools

Sl. No.	Equipments	Warranty	Qty
1	BP Apparatus	3	4
2	Stethoscope	3	4
3	Adult weighing scale	3	2
4	Watch with second hand	3	2
5	Hub Cutter	3	4
6	Labour table with foam mattress- stainless steel	3	2
7	Delivery trolley	3	2
8	Digital Thermometer	3	20
9	Oxygen Hood	3	2
10	Foot Operated Suction Machine	3	1
11	Electrical Suction Machine	3	1
12	Functional Bag and Mask with two size masks (0 and 1)	3	4
13	Glucometer Kit	3	2
14	Autoclave -Small size portable	3	1
15	Dictaphone	3	1
16	Radiant Warmer	3	1

Annexure -B
List of Equipments for GNM Schools

Sl. No.	Equipments	Warranty	Qty
1	BP Apparatus	3	4
2	Stethoscope	3	4
3	Adult weighing scale	3	2
4	Watch with second hand	3	2
5	Hub Cutter	3	4
6	Labour table		

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7	Delivery trolley	3	2
8	Digital Thermometer	3	20
9	Oxygen Hood	3	2
10	Foot Operated Suction Machine	3	1
11	Electrical Suction Machine	3	1
12	Functional Bag and Mask with two size masks (0 and 1)	3	4
13	Glucometer Kit	3	2
14	Nebulizer	3	1
15	Autoclave -Small size portable	3	1
16	Dictaphone	3	1
17	Radiant Warmer	3	1
18	Phototherapy Unit	3	1
19	Metered dose Inhaler with spacer	3	1
20	Crash Cart	3	1
21	Pulse Oximeter with Probe	3	1
22	Oxygen Concentrator equipment- portable and cylindrical	3	1

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