NOTICE TENDER

Pediatrics Equipments
AIIMS, Raipur, Tatibandh, Raipur,
Date: 10th Sep. 2013

On behalf of the Director, All India Institute of Medical Sciences, Raipur tenders in sealed cover are invited under **two-bid** system from manufacture and their authorised dealers/ distributors for providing Hospital Consumable for AIIMS Raipur.

The interested manufactures and their authorised dealers/ distributors are required to submit the technical and financial bid separately. The bids in Sealed Cover-I containing "Technical Bid" and Sealed Cover-II containing "Financial Bid" should be placed in a third sealed cover super scribed **"Tender For Pediatrics Equipments"** and should reach at the office of **"The Administrative Officer, AIIMS, Tatibandh Raipur (CG) - 492001,** by or before on 03.00 PM on **04-10-2013.** The bid received after due date and time will not be entertained whatsoever may be the reason. The technical bids shall be opened on the same day at **03.00 PM** at AIIMS, Raipur. In the event of any of the abovementioned date being declared as a holiday / closed day, the tenders will be opened on the next working day at the appointed time. The date of technical evaluation of items and opening of financial bid of technically qualified agencies will be announced later.

The tender document containing technical bid form, financial bid form, technical description/specification & item and terms & conditions can be downloaded from website www.aiimsraipur.edu.in. Demand Draft/Pay Order for Rs.5000/- (Rupees Five thousand only) (non-refundable) in favour of **"AIIMS, Raipur",** payable at **Raipur**, against cost of the tender document along with their technical bid in the Cover-I "Technical Bid". The amount of bid security (EMD) for **Tender For Dentistry Equipments of Rs. 3,00,000/- (Rupees Three Lakh)** of tender documents should be paid by FDR/DD in favour of **"AIIMS, Raipur"** payable at **Raipur** and will be placed in cover-1 with technical bid. The Tender Documents are not transferable.

Any future clarification and/or corrigendum(s) shall be communicated through Administrative Officer on the AIIMS, Raipur website: www.aiimsraipur.edu.in.

Administrative Officer
AIIMS, Raipur

TENDER DOCUMENT
"Pediatrics Equipments"
AIIMS, Raipur

TECHNICAL BID
(In separate sealed Cover-I super scribed as "Technical Bid")

1.	Name & Address of the manufacture and their authorised dealers/ distributors/Agency with phone number, email, name and telephone/mobile	
2.	Specify your firm/company is a manufactures/ authorised dealer/distributor/ Agency	
3.	Name, Address & designation of the authorized person (Sole proprietor/partner /Director)	
4.	Have you previously supplied these items to any government/ reputed private organization? If yes, attach the relevant poof. Please provide a notarised affidavit on Indian Non Judicial stamp paper of Rs. 10/- that you have not quoted the price higher than previously supplied to any government Institute/Organisation/reputed Private Organisation or DGS&D rate in recent past**. If you don't fulfil this criteria, your tender will be out rightly rejected.**	
5.	Detailed & exact specification of the product available with the vendor should be mentioned in the technical bid in **Annexure-I** only. Mentioning 'Yes' or 'No' is not sufficient. Original product boucher with details of the product quoted should be attached along with. **Bids not complying with this instruction will be out-rightly rejected.**	
6.	Please attach copy of last of Income Tax Return	
7.	Please attach balance sheet *(duly certified by Chartered Accountant)* for last three (3) years (Annual minimum turnover should not be less than 25 lakhs)	
8.	PAN No. (Please attach copy)	
9.	VAT/Service Tax Registration Number. (Please attach copy)	
10.	Acceptance of terms & conditions attached (Yes/No). Please sign each page of terms and conditions as token of acceptance and submit as part of tender document with technical bid. **Otherwise your tender will be rejected.**	
11.	Power of Attorney/authorization for signing the bid documents	
12.	Please submit a notarised affidavit on Indian Non judicial stamp paper of Rs. 10/- that no case is pending with the police against the Proprietor/firm/partner or the Company (Agency). Indicate any convictions in the past against the Company/firm/partner. Please also declare that proprietor/firm has never been black listed by any organization.	
13.	Details of the FDR/DD of bid security (EMD) FDR/DD No: Date: Payable at	**Detail of cost of Tender for Rs. 5000/- (if downloaded from website)** **DD No.** **Date:** **Payable at-**

Declaration by the Tenderer:

This is to certify that I/We before signing this tender have read and fully understood all the terms and conditions contained herein and undertake myself/ourselves to abide by them.

Encls:

1. DD/Pay Order (if tender form is downloaded from the website of this Institute)
2. FDR/DD
3. Terms & Conditions (each page must be signed and sealed)
4. Financial Bid

Place:……

Date:……

(Signature of Tenderer with seal)

Name:

Address :

"Pediatrics Equipment"
AIIMS, Raipur
FINANCIAL BID

(In sealed Cover-II super scribed "Financial Bid")

To,
The Administrative Officer
AIIMS, Raipur. (CGF)

Dear Sir
Our Quoted rate for supplying the Pediatric Equipment for AIIMS, Raipur will be

as follows:-

Tender Inquiry No.	Name of the Items required to be purchased	Quantity Required	Unit Cost in Rs.	Total Cost in Rs
	A	B	C	D
1.	Neonatal Open Care System	6		
2.	Neonatal Ventilator	2		
3.	Mechanical Infant Resuscitator	4		
4.	Phototherapy Machine single surface LED	6		
5.	Transcutaneous Bilirubin analyser	1		
6.	Neonatal Multipara Monitor	4		
7.	Bubble CPAP machine	3		
8.	AMC/CMC equipment wise per year (for 5 years after warranty period)			

SPECIAL CONDITIONS

1. The cost shows in column 'D' should be inclusive of supply installation, Testing and commissioning of the equipment with 5 year warranty.
2. The bidders should submit the relevant certificates / evidence of previous supply to other hospitals. If required, the technical committee may enquire from the other hospitals where the bidders have supplied the material.

3. The bidders should also submit a certificate from the relevant authority as to the quality of the equipment.
4. The bidder should not have been blacklisted before.
5. The bidders shall also arrange for the demonstration of their equipment to the concerned committee regarding the quality aspect.

The above quote should include all applicable taxes. If the rates of various items are L1 for different Tenderer, the AIIMS Raipur reserve the right to either accept the L1 of different firm/agencies or will negotiate, with the firm who has quoted the maximum gross value of L1 items to lower the rate of other item up to the limit of L1 quoted by other firms. In this context, final decision of the committee will be binding to all and no claim in the regard can be entertained. The quantity indicated is tentative and may vary, and any decision in this regard by Director AIIMS Raipur shall be final.

Declaration by the Bidder:

1. This is to certify that I/We before signing this tender have read and fully understood all the terms and conditions contained in Tender document regarding terms & condition of the contract, rules regarding purchase of Hospital Consumables. I/we agree to abide them.
2. No other charges would be payable by Client and there would be no increase in rates during the Contract period.

Place:…… **(Signature of Bidder with seal)**

Date:……

Name :
Seal :
Address:

"Pediatrics Equipments"

AIIMS, Raipur

Terms & Conditions

(A) Information and Conditions relating to Submission of Bids

1. The tender document containing eligibility criteria, scope of work, terms & conditions and draft agreement can be downloaded from website www.aiimsraipur.edu.in. Those who download the tender document from Website should enclose a Demand Draft/Pay Order for Rs. 5000/-(Rupees Five thousand only) in favour of "AIIMS, Raipur", payable at Raipur, not later the date of 04-10-2013, along with their bid in the Cover-I containing "Technical Bid".
2. The interested firms/suppliers are required to submit the Technical and Financial Bids separately in the format enclosed. The bids in sealed Cover-I containing "Technical Bid" and sealed Cover-II containing "Financial Bid" should be placed in a third sealed cover super scribed "Tender for Purchase of "Dentistry Equipments" should reach AIIMS, Raipur by or before 03.00 PM on 04-10-2013. The Technical bids shall be opened on same day at 03.00 PM at AIIMS, Raipur in presence of the bidders or their authorized representatives who choose to remain present. The Tender received after due date & time will be rejected and no claim shall be entertained whatsoever may be the reason.
3. The bidders are required to submit their query in writing before 16.09.2013 to DDA, AIIMS Raipur, if any.
4. All the duly filled/completed pages of the tender should be given serial /page number on each page and signed by the owner of the firm or his Authorized signatory. In case the Authorized signatory signs the tenders, a copy of the power of attorney/authorization may be enclosed along with tender. A copy of the terms & conditions shall be signed on each page and submitted with the technical bid as token of acceptance of terms & conditions. Tender with unsigned pages/incomplete/partial/part of tender if submitted will be rejected out rightly.
5. All entries in the tender form should be legible and filled clearly. If the space for furnishing information is insufficient, a separate sheet duly signed by the authorized signatory may be attached. No overwriting or cutting is permitted in the Technical Bid as well as Financial Bid unless authenticated by full signature of bidder. Any omission in filling the columns of Financial Bid form (Schedule of Rates) shall debar a tender from being considered. Rates should be filed up carefully by the tenderer. All Corrections inthis schedule must be duly attested by full signature of the tenderers. The corrections made by using fluid and overwriting will not be accepted and tender would be rejected.
6. The bidder shall pay an amount of Rs. 3,00,000/- as Bid Security (EMD) alongwith the Technical Bid in the form of FDR/DDin favour of "AIIMS, Raipur" drawn on any Nationalized Bank/ Scheduled Bank and payable at Raipur and must be valid for (6) six month. Bids received EMD shall stand rejected and thus shall not be considered for evaluation etc at any stage. The original EMD will be put in cover-I containing Technical bid.
    a. The Public Sector Undertaking of the Central/State Govt. are exempted from furnishing Earnest Money along with tender.
    b. The firms Registered with DGS & D/SSI and any approved source of Centre/States Govt. are not exempted

from furnishing Earnest Money in so far as this institute is concerned.

c. Earnest Money deposited with AIIMS, Raipur in connection with any other tender enquiry even if for same/similar material / Stores by the tenderer will not be considered against this tender.

7. The bid security (EMD) without interest shall be returned to the unsuccessful bidders after finalization of contract.
8. The successful bidders has to constitute a contract on Indian non judicial stamp paper of Rs.100/- (Rupees one hundred only) and also required to furnish the security deposit @ 10% of contract value in the form of FDR/DD/PBG of any nationalised bank in favour of AIIMS, Raipur & payable at Raipur only. The EMD deposited by successful bidder may be adjusted towards Security Deposit as demanded above. If the successful bidder fails to furnish the full security deposit or difference amount between Security Deposit and EMD within 15 (fifteen) days after the issue of Letter of Award of Work, his bid security (EMD) shall be forfeited unless time extension has been granted by AIIMS, Raipur.
9. The EMD 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.
10. The bid shall be valid and open for acceptance of the competent authority for a period of 180 (one hundred eighty) days from the date of opening of the tenders and no request for any variation in quoted rates and / withdrawal of tender on any ground by bidders shall be entertained
11. To assist in the analysis, evaluation and computation of the bids, the Competent Authority, may ask bidders individually for clarification of their bids. The request for clarification and the response shall be in writing but no change in the price or substance of the bid offered shall be permitted.
12. After evaluation, the work shall be awarded normally to the Agency fulfilling all the conditions and who has quoted the lowest rate as per financial bid after complying with the all the Acts / provisions stated / referred to for adherence in the tender.
13. The competent authority of AIIMS, Raipur reserved all rights to accept or reject any/ all tender(s) without assigning any reason. It can also impose/relax any term and condition of the tender enquiry after due discussion in pre bid conference. This will be communicated to all tenderers in writing. AIIMS, Raipur also reserves the right to reject any bid, which in his opinion is non-responsive, or violating any of the conditions/specifications without any liability to any loss whatsoever it may cause to the bidder in the process.
14. Tender must be submitted on the prescribed Tender Form otherwise tender will be cancelled straightway.
15. Canvassing in any form is strictly prohibited and the tenderer who are found canvassing are liable to have their tenders rejected out rightly.

(B) OTHER TERMS & CONDITIONS OF THE TENDER

1. Rates quoted should be inclusive of all applicable taxes, packing, forwarding, postage and transportation charges at FOR AIIMS Raipur.
2. All the rates should be mention in Indian national currency (INR) only. The rates quoted in foreign currency will not be entertained in this tender enquiry & such tenders will be cancelled straightway.
3. Rates should be mentioned both in figures and in words. The offer should be typed or written in Ink Pen/ Ball Pen without any correction. Offers in pencil will be cancelled. Telegraphic/ Telex/ Fax offers will not be considered and cancelled straightway.
4. **Guarantee / Warranty period**: The tenderers must quote for 5 years on site warranty from the date of completion of the satisfactory installation. The Warranty charges **shall not** be quoted separately otherwise the offer shall be summarily rejected. Also the Bidders should submit their quote for subsequent 5 years on site AMC (without spare parts) / on site CMC (include free labour, repair, other services & spare parts). Failure to comply this condition will entail the rejection of the Bids. The price comparison shall be made taking into account on basic price and post warranty AMC / CMC. The Rate Contracting Authority reserves the right to award AMC / CMC. A.M.C. (without spare parts) shall be quoted for equipments costing upto Rs.5.00 Lacs and C.M.C. (include free labour, repair, other services & spare parts) shall be quoted for equipments costing above Rs.5.00 Lacs. So the price of AMC / CMC should be quoted according to the cost of equipment.
5. The supplier shall submit a notarised affidavit on Indian Non Judicial Stamp Paper of Rs.10/- that you have not quoted the price higher than previously supplied to any government Institute/Organisation/reputed Private Organisation or DGS&D rate in recent past. Therefore, if at any stage it has been found that the supplier has quoted lower rates than those quoted in this tender, the Institute (the purchaser) would be given the benefit of lower rates by the Supplier. If such affidavit is not submitted, tender will be out rightly rejected.,
6. If the prices of the contracted articles is/ are controlled by the Government, in no circumstances the payment will be higher than the controlled rate.
7. Tender will be regarded as constituting an offer open to acceptance in whole or in part at the discretion of the competent authority of the institute for a period of 180 days (6 months) valid from the date of opening of the tender by the committee.
8. The time for the date of delivery/ dispatch stipulated in supply order shall be deemed to be essence of the contract and if the supplier fails to deliver or dispatch any consignment within the period prescribed for such delivery or dispatch in the supply order, liquidated damages may be deducted from the bill @ 0.5% per week subject to maximum of 10% of the value of the delayed goods or services under the contract. The competent authority of the institute may also cancel the supply. In such a case, bid security of the supplier shall stand forfeited.
9. In case the quality of goods supplied are not in conformity with the standard given in tender and as per the samples supplied or the supplies are found defective at any stage these goods shall immediately will be taken back by the supplier and will be replaced with the tender quality goods, without any delay. The competent authority reserves all rights to reject the goods if the same are not found in accordance with the required description / specifications and liquidates damages shall be charged.
10. In case the tenderer on whom the supply order has been placed, fails to made supplies within the delivery schedule and the purchaser has to resort risk

purchase, the purchaser (AIIMS, Raipur) may recover from the tender the difference between the cost calculated on the basis of risk purchase price and that calculated on the basis of rates quoted by tenderer. In case of repeated failure in supplying the order goods the supply order may be cancelled and bid security deposit will be forfeited.

11. The Specification and quantity of the item needed is mentioned in Financial Bid but it is approximate detail and is subject to increase/decrease at the discretion of the competent authority of AIIMS, Raipur. The payment would be made for actual supply taken and no claim in this regard should be entertained.
12. Where the specifications are as per tenderer's range of product & tenderer's offer should mention that the item meets all specifications as per the tender enquiry and if there are improvements/deviations the same should be brought out on separate Letter Head of the firm. It would be discretion of the competent authority of the institute to accept or reject such deviations which are not in accordance with our required specifications as per given in **Annexure - I.**
13. It must be mentioned clearly whether tenderer is a manufacturer/sole distributor/sole agent for the items for which he is quoting.
    a. Manufacturer must add a certificate that item(s) is manufactured by them as per range of products
    b. Sole Manufacturers must add a certificate that they are the sole manufacturer of the Item for which they are quoting in this tender enquiry & item is /are their proprietary Item in India. The rate certificate is also required from the sole manufactures that the Rates quoted are the same as they quote to other State/Centre Govt./reputed Private Organisation and DGS&D rate for the similar item(s) and these are not higher than those quoted by them.
    c. Authorized agents must add authority letter from their Manufacturer/Principals on the letter head of the manufacturer/principals in proforma given in attach duly supported by a notarised affidavit on Indian Non Judicial Stamp Paper of Rs.10/- (Rupees ten only) that they are quoting Rates on behalf of them. The authorization letter must give/mention the purpose for which it is allowed. The validity period of the authorization letter must be mentioned in the authority letter otherwise tender will be liable to rejection.
14. The Tenderers should furnished a copy of S.T./C.S.T./VAT registration number, the State / U.T. of registration and the date of such registration. Tenders not complying with this condition will be rejected
15. The tenderers should submit along with the tender, a photostat copy of the last Income Tax return and copy of current valid income tax clearance certificate (IT CC) otherwise tender may be ignored
16. In case asked, tenderer must personally supply a sample/give the demonstration of the equipments/Instruments to the competent authority of the institute and in that case all the expenses will be borne by the supplier.
17. Full description & specifications, make/brand and name of the manufacturing firm must be clearly mentioned in the tender failing, which the tender will not be considered. The tenderer must also mention whether the goods are imported / indigenous. Descriptive literature /catalogues must be attached with the tender in original failing which tender may be ignored.
18. Any failure or omission to carryout of the provisions of this supply by the supplier shall not give rise to any claim by supplier and purchaser one against the other, if such failure or omission arise from an act of God which shall include all acts of natural calamities from civil strikes compliance with any status and or requisitions of the Government lockout and Strikes, riots, embargoes or from any

political or other reasons beyond the suppliers control including war (whether declared or not) civil war or state of incarceration provided that notice of the occurrence of any event by either party to the other shall be within two weeks from the date of occurrence of such an event which could be attributed to force majeure.

19. The Courts at Raipur/CG alone and no other Court will have the jurisdiction to try the matter, dispute or reference between the parties arising out of this tender/supply Order/contract.
20. If at any time, any question, dispute or difference whatever shall arise between supplier and the institute (Purchaser) upon or in relation to or in connection with the agreement, either of the parties may give to the other notice in writing of the existence of such a question, dispute or difference and the same shall be referred to two arbitrators one to be nominated by the institute (Purchaser) and the other to be nominated by the supplier. Such a notice of the existence of any question dispute or difference in connection with the agreement shall be served by either party within 60 days of the beginning of such dispute failing which all Right sand claims under this Agreement shall be deemed to have been forfeited and absolutely barred. Before proceeding with the reference the arbitrators shall appoint/nominate an umpire. In the event of the arbitrators not agreeing in their award the Umpire Appointed by them shall enter upon the reference and his award shall be binding on the Parties. The venue of the arbitration shall be at Raipur, (Chhattisgarh, India). The arbitrators/Umpire shall give reasoned award.
21. The supplier should mention the compliance to the specification in the technical bid of the tender document failing this, the bid document will be disqualified.
22. Supply of equipment, goods and services should be completed within 6 weeks from the date of supply order unless otherwise specified in the supply order. Purchaser will place order by fax &/or e-mail &/or speed post
23. The Bidder shall provide on site warranty/guarantee of the equipment for the period of **five years from the date of installation**. Warranty will cover services, repairs, maintenance, replacement of spare parts, broken / damaged / worn out spare parts and other services free of cost during the whole warranty period of five years. The warranty shall also include "on call service" which should not exceed **24 hours from the time of lodging of complaint through e-mail**.

I / We hereby accept the terms and Conditions given in the tender

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(Signature & Stamp of the bidder)

Note- Please sign each page of document including terms & conditions & tender

Annexure-I

TECHNICAL SPECIFICATION FOR PEDIATRICS EQUIPMENTS

General Specifications:

1. The instruments quoted should be of high quality and ASTM F899 or of equivalent standard specifications for the material used
2. All the material /equipment should be European CE/ US FDA/ EN ISO Certified.
3. All the Electronic equipments should comply with Electrical safety conforms to standards for electrical safety IEC 60601-1.
4. The radiological equipment should be AERB Type Approved
5. All the equipment's power input should be 220- 240 V AC, 50Hz fitted with Indian plug.

No.	Name of the Items required to be purchased	Specifications Required for the Item to be purchased
1.	Neonatal Open Care System	**Required Specs for the Neonatal Open Care System** Essential parts a) Quartz based warming system with microprocessor based controls, probes & alarms b) Cart & bassinet c) Examination light d) Facility of inbuilt baby weighing machine e) Facility for bed height adjustment f) X-ray cassette holder 2. Cart a) Should swivel on 4 wheels of at least 4" diameter with foot operated brakes on at least 2 front wheels 3. Dimensions a) Height - 180- 200 cms b) Width - 60-70 cms c) Depth - 100-120 cms d) Working level - 95-105 cm 4. Bassinet a) Collapsible transparent acrylic side walls 5. Mattress a) Width - 55-60 cms b) Length - 65-75 cms c) Thickness - 3-5 cm d) Material

No.	Name of the Items required to be purchased	Specifications Required for the Item to be purchased
		i. Soft and easy to clean ii. X-ray transparent iii. Fire retardant iv. Allows air to pass through but does not allow water to seep in 6. Bassinet tilt a) Should allow tilt for Trendelenburg as well as reverse Trendelenburg position b) Should be swivable on both sides of vertical column to facilitate intubation c) Should have continuous variable bed tilting mechanism for a bed tilt on either side d) Should have motorized variable height adjustment mechanism to vary the cradle/baby bed between from the ground, should be able to adjust height of the bed from either side of the warmer e) Should have inbuilt weighing scale which can weigh up to 10 kg with facility for Tare facility and for data storage of the baby weight (optional only for the data storage) 7. Warming system a) Quartz based heating system b) Control - Microprocessor controlled with soft touch control panel c) Self test function performed at power on d) Digital display should show following parameters i. Set temperature ii. Present temperature of the baby iii. Heater output e) Mode - Manual & skin (servo) f) Manual mode i. Adjustable in steps from 0 to 100% in increments of 10% Heater power should be reduced to 50 - 60% after 10-15 minutes in manual mode for baby safety g) Skin mode (servo mode) i. Set point range - 32 – 38 degrees C h) Skin temperature display i. Accuracy - ±0.2 degrees C ii. Resolution - 0.1 degree C i) Temperature probe- Wire should be easy to clean and long lasting j) No need of temperature probe calibration k) Control unit should have facility to convert Centigrade to Fahrenheit conversion

No.	Name of the Items required to be purchased	Specifications Required for the Item to be purchased
		l) Should have LCD graphical display with the facility of trending temperature 8. Alarms a) Audiovisual alarms with a display of text messages about the alarms i. Probe failure ii. Heater failure iii. High and low baby temperature (more than 0.5 deg C difference) iv. Power failure v. System failure vi. Silence/reset switch 9. Heating unit - Should be swivable for accommodating X-Ray unit and should have self lock facility. 10. Examination light a) Illuminance - at least75 foot candles at mattress center b) Should have dual examination lamp with dimming facility 11. Apgar Timer a) Timer with stopwatch facility b) Reset facility 12. I.V. stand a) Strong IV stand (S.S) with height adjustable and facility to fix large number of infusion pumps 13. Monitor shelves - Two in number 14. X- Ray cassette holder a) Sliding holder located just below undersurface of bassinet, with markings to help placement of cassette 15. Power consumption - Less than 1 K.W 16. All metal parts of the equipment should be corrosion resistant and Epoxy/Powder coated 17. All consumables required for installation and standardization of system to be given free of cost 18. Availability of spares for at least 7 years after date of installation 19. Standards, safety and training a) Should be US FDA or European CE approved product and submission of the respective certificate of US FDA or European CE is mandatory b) Manufacturer should be ISO certified for quality standards c) Electrical safety conforms to standards for electrical safety IEC 60601-1 (OR EQUIVALENT international/national standard)General requirement for Electrical safety of Medical Equipment d) Should have local service facility .The service provider should have the

No.	Name of the Items required to be purchased	Specifications Required for the Item to be purchased
		necessary equipments recommended by the manufacturer to carry out preventive maintenance test as per guidelines provided in the service/maintenance manual 20. Items covered under warranty/CMC a) Consumables should be available for at least next seven years. b) Prices of consumables should be quoted separately and frozen for the period of warranty and CMC. 21. Power supply a) Power input to be 220-240VAC, 50Hz b) Suitable Autovoltage corrector with spike protector should be available 22. Enviornmental factors Shall meet IEC-60601-1-2 :2001(Or Equivalent BIS) General Requirements of Safety for Electromagnetic Compatibility or should comply with 89/366/EEC; EMC-directive b) The unit shall be capable of being stored continuously in ambient temperature of 0-50deg C and relative humidity of 15-90% c) The unit shall be capable of operating continuously in ambient temperature of 20-40 deg C and relative humidity of 15-90% 23. Documentation a) User/Technical/Maintenance manuals to be supplied in English b) Certificate of calibration and inspection from factory c) Log book with instructions for daily, weekly, monthly and quarterly maintenance checklist. The job description of the hospital technician and company service engineer should be clearly spelt out 24. Essential accessories to be supplied at initial purchase with each piece of equipment a) Reusable temperature probes (full set) : 5 nos/per equipment. 25. The rates of consumable accessories should also be quoted separately 26. Onsite physical demonstration/training of the equipment to all the end users with all the requested facilities will be mandatory
2.	Neonatal Ventilator	1. The ventilator should be microprocessor controlled designed for neonatal use with possibility to upgrade with additional features. 2. Continues flow, pressure limited, time cycled ventilator deign 3. Ventilator modes: should have following modes available in the unit a) IMV/IPPV b) CPAP including non-invasive ventilation

No.	Name of the Items required to be purchased	Specifications Required for the Item to be purchased
		c) SIMV, SIPPV/Assist-control d) High frequency oscillatory ventilation which is oscillating diaphragm based e) Volume targeted/guarantee mode of ventilation with ability to deliver and monitor tidal volume as low as 1-2 ml (Range 2 ml to 50 ml) f) Pressure support mode of ventilation g) Apnea back-up ventilation 4. Should have integrated high resolution LCD screen minimum 12" color display with touch screen facility for real-time display of scalar (Pressure, Flow and Volume against time) and loop (Pressure-volume, volume-flow and pressure-flow). Graphic display of at least 3 waveforms together out of choice of flow, volume and pressure versus time with a facility to freeze these waveforms. Facility for loops together with a facility to freeze the same 5. Should have graphical as well as tabular trend facility of data up to 24 Hrs 6. Digital display of FiO2, peak pressure, mean airway pressure, CPAP/PEEP, Expiratory tidal volume, expiratory minute volume, total frequency, spontaneous frequency, lung function monitoring including compliance, resistance, lung distention coefficient, (C20/C), Lung time constant, Rate volume ratio etc. 7. Should have built-in logbook for recording events like various alarms 8. Integrated monitoring: Integrated volume and pressure monitoring i.e. monitoring of PEEP Pmax, Pmean and VT, VTspont, MV and MVleak. The volume monitoring should have NTPD to BTPS correction. 9. Monitoring of I:E, frequency and Spontaneous Frequency. 10. Settings range: a) Trigger Flow/ volume, leak adapted b) PIP 10 to 80 cm H2O c) PEEP/ CPAP 0 to 25mbar

No.	Name of the Items required to be purchased	Specifications Required for the Item to be purchased
		d) I:E ratio1:0 to 1:10 e) Insp. Time 0.1 to 2 Sec f) Exp. Time 0.2 to 30 sec g) Frequency Up to 200 BPM h) Base Flow (VIVE) 1 to 30 LPM i) Synchronization Patient synchronization with adjustable flow trigger j) High frequency amplitude 1-100% k) Integrated blender for Oxygen 21% to 100% l) Integrated nebulization facility m) Integrated monitoring of FiO2 11. Monitoring of flow: At the Y piece with facility to activate or deactivate it 12. Should measure parameters in HFOV such as DCO2, VtHF, MVim and VTim 13. Ventilator should have following features in Pressure Support/ Volume Guarantee: a) It should be possible to give leakage adapted inspiratory trigger during pressure support to spontaneously breathing patients with a set volume guarantee. b) Volume guarantee should be regulated with lowest possible airway pressure within a set PIP. c) It should be possible to adjust the Volume Guarantee manually as per patient requirement 14. Audiovisual alarms with advisory on-screen message: MV high/Low, Apnea, tube obstruction, FiO2 high/low high PIP, low PEEP/CPAP, fail to cycle, gas supply low, power failure, ventilator inoperative, alarm log book 15. The ventilator should have automatic compensation for leakage and should monitor and display leakages 16. The ventilator should show trends of important parameters viz. C,R,

No.	Name of the Items required to be purchased	Specifications Required for the Item to be purchased
		FiO2, MAP etc. for evaluation of patient improvement 17. Ventilator should be US FDA and European CE approved product and should submit the respective certificate of US FDA and European CE 18. Ventilator should be supplied with Good quality medical air compressor (European CE marked) 19. The Servo Controlled Heated wire Humidifier should be supplied along with Reusable patient circuit. The humidifier must be USFDA approved. 20. Battery back-up (at least 30 minutes) Battery should be integrated and should provide backup to both ventilator & Air compressor 21. Should be supplied with ultrasonic nebulizer which should have capability to deliver particle size of < 3 micron and to be used in both off and on line with ventilator. 22. Training CD/DVD 23. List of consumables expected to be used in one year sh ould be provided and quoted separately. Prices so quoted to be frozen for 5 years 24. The department will like to have a live demonstration of the equipment 25. Instruction manual to be supplied with the quotation 26. Company should certify that model quoted is latest and not obsolete, and spares are available for minimum 5 years after warranty. 27. Should have permanent Electronic O2 Sensor .Company will provide life time warranty on Oxygen sensor 28. Quoted firm should have a functional local service setup for after sales service 29. Ventilator should have Up gradation facility with EtCO2 30. Machine should have facility to set exp flow different than inspiratory flow to help in ETCO2 flush 31. Scope of supply with each ventilator a) Ventilator on trolley with wheels and brake facility

No.	Name of the Items required to be purchased	Specifications Required for the Item to be purchased
		b) Integral medical air compressor c) Humidifier: Autoclavable humidi ifier chamber (2 with each ventilator) d) Circuit support arm e) 2 hose sets for conventional reusable neonatal ventilation circuit f) 5 hose sets of disposable conventional neonatal ventilation circuit g) 1 hose set for reusable HF ventilation h) Bacterial filters i) Flow sensors (20 sets with each ventilator) j) Oxygen cell k) Oxygen connecting hose l) Air connecting hose m) Test lung n) Heater wire (3 each) o) Temperature probe (3 each) p) Expiratory valve (2 with each) q) Nasal interface (3 in number) with nasal mask (4 each of all sizes) and nasal prongs (4 each of all sizes) and bonnet (5 each of only preterm size) with each ventilator. 32. The ventilator should have following options a) RS 232C port for data transfer and software compatible with windows b) Communication interface with Laptop c) PC software for archiving and analysis d) Provision for future software/ hardware upgrades should be available 33. Items covered under warranty/CMC a) Prices of all consumables should be quoted separately and frozen for the period including warranty and CMC 34. Should have local service facility and should have the necessary equipments to carry out preventive maintenance test 35. Onsite physical demonstration and training of the equipment to all the end users with all the requested facilities will be mandatory

No.	Name of the Items required to be purchased	Specifications Required for the Item to be purchased
		36. Availability of spares for at least eight years after date of installation 37. Original literature, and not the photocopy, to be supplied with the quotation 38. Company should certify that model quoted is latest and not obsolete, and spares are available for minimum 6 years after warranty. 39. Machine should have automatic calibration for O2 sensor 40. Humidifier should also be automated servo controlled and should be US FDA certified
3.	**Mechanical Infant Resuscitator**	Stand alone resuscitator unit attachable to the pole of resuscitation center Controls: PIP, PEEP 1. Manometer range 0 to 80 cm of H2O 2. Maximum Pressure relief @ 10 L/min 3 to 70 cm of H2O 3. Peak inspiratory pressure (PIP) @ 10 L/min 4 to 73 cm of H2O 4. Positive end expiratory pressure (PEEP) @ 5 L/min 1-5 cm of H2O @ 10L/min 2 – 15 cm of H2O 5. Gas inlet flow range 5-15 LPM 6. Delivered O2 concentration up to 100% depending on gas supply 7. Weight Not exceeding 3 kg 8. Warranty: 2 yrs 9. Non-electric powered 10. US FDA approved 11. Automated device for resuscitation of babies 12. Pressure safety valve 13. Able to use face mask as well as ETT 14. Able to deliver free flow of oxygen 15. Unit should be supplied with proper demonstration , Training CD &

No.	Name of the Items required to be purchased	Specifications Required for the Item to be purchased
		setup guides 16. Operating and storage limits- 10°C to 50°C and 10 to 90% relative humidity 17. The unit should be handheld and suitable for use in labor room, NICU and during transport 18. Should have local service facility and should have the necessary equipments to carry out preventive maintenance test 19. Onsite physical demonstration and training of the equipment to all the end users with all the requested facilities will be mandatory **20.** Availability of spares for at least 7 years after date of installation 21. Essential accessories to be supplied with the initial equipment: a) Gas supply line / tubing (from the gas source to the equipment) – 5 nos. b) Patient supply line with "T" piece (from equipment to the patient) – 50 nos. c) Face mask of three different sizes suitable for term, preterm and very preterm infants: 5 in each size category – total 15 nos. d) Side mounting block and pole bracket (Pole mount) - 1 each 17. Items covered under warranty/CMC a) Warranty and CMC must include (but not limited to) the following: all electrical and electronic parts, plastic, metallic, glass and rubber parts b) Consumable accessories, if any, not covered in warranty/CMC should be clearly specified c) Prices of consumables and accessories/spare parts should be quoted separately and frozen for the period including warranty and CMC period

No.	Name of the Items required to be purchased	Specifications Required for the Item to be purchased
4.	**Single Surface LED Phototherapy**	1. Blue light LED which should last for at least 30,000 hours 2. Spectrum: peak at 440 to 470 nm, no irradiance in UV or IR ranges (certificate by recognized lab to be produced) 3. Spectral Irradiance of at least 40 $\mu W \cdot cm^{-2} \cdot nm^{-1}$ at 45 cm distance between bed and light unit 4. Effective surface area should be at least 20 x 40 cm 5. Light head should be compact to use along with the radiant warmer & should be provided with tilting facility (at least 90 degree on each side) so that the unit is not coming directly under warmer. 6. Light unit should have white LED's for examination purpose 7. Head height adjustable, approx: 1.30 to 1.75 m 8. Integrated timer for monitoring therapy hours & lamp usage hours. 9. Sturdy mobile stand 10. The base of the unit should be such that it will go beneath any Incubator/radiant warmer/bed. 11. Antistatic castors, 2 with breaks 12. Option of mounting on radiant warmer 13. Option of keeping directly on the roof of incubator 14. Cooling Fan to be provided to dissipate the heat created by LED's 15. Coating: Epoxy/powder coated body for scratch and rust prevention and PU (Poly Urethane) coating for plastic 16. Should have visual and audible alarm indicating the excess of internal temperature and failure of the fan 17. Standards, safety and training a) Should be USFDA or European CE approved product b) Manufacturer should be ISO certified for quality standards c) Equipment Shall CERTIFIED to be meeting Electrical Safety requirements as per IEC 0601-2-50 Medical Electrical Equipment part-2-50 Particular requirements for the safety of Infant Phototherapy Equipments d) Should have local service facility. The service provider should have the necessary equipments recommended by the manufacturer to carry out preventive maintenance test as per guidelines provided in the service/maintenance manual e) Training and installation at end user site 18. Power supply - Power input to be 220-240VAC, 50Hz 19. Items covered under warranty/CMC a) Prices of consumables should be quoted separately and the prices should be frozen for the period of warranty and CMC. 20. Enviornmental factors a) The unit shall be capable of being stored continuously in ambient temperature of 0- 50deg C and relative humidity of 15-90% b) The unit shall be capable of operating continuously in ambient temperature of 10- 40 deg C and relative humidity of 15-90% 21. Documentation

No.	Name of the Items required to be purchased	Specifications Required for the Item to be purchased
		a) User/Technical/Maintenance manuals to be supplied in English b) Certificate of calibration and inspection from factory c) List of important spares and accessories with their part number and costing d) Log book with instructions for daily, weekly, monthly and quarterly maintenance checklist. The job description of the hospital technician and company service engineer should be clearly spelt out 22. User manual and technical manual with trouble shooting guidance in English should be provided 23. Company should certify that model quoted is latest and not obsolete, and spares will be available for next 5 years after the completion of warranty. 24. Onsite physical demonstration/training of the equipment to all the end users with all the requested facilities will be mandatory
5.	Neonatal Multipara Monitor	Distribution outline: Basic parameters (ECG/heart rate, O2 saturation, NIBP, respiration & temperature) – in all monitors Invasive BP module: in all monitors Microstream end tidal CO2 module: in all monitors EEG module: in one monitor General: Upgradable Modular system, capable of being connected to a central station The equipment should come with all standard accessories required to run all parameters. Waveform display: at least 6 channels, user selectable Digital display: Heart rate, respiratory rate, oxygen saturation, temperature, Blood Pressure (systolic, diastolic, mean), EtCO2(wherever applicable) Should be upgradable for measurement of cardiac output/SvO2 Should be possible to move the Microstream end tidal CO2 and EEG modules from one monitor to another. Should be able to remotely access the patient monitoring system via internet System should be compatible with HIS and be HL-7 compliant Ready to run web based applications like HIS, PACS, RIS, LIS etc on patient monitor screen itself without need of additional server/PC hardware and software as standard supply. Individual Monitors : Wall mountable and pivotable Medical grade, TFT Flat screen, slim size, at least 17" display Screen resolution at least 1280x1024 pixels Clear bright color display with large character size Should have both remote/ mouse control and knob control/ touch screen Viewing angle at least 90o Adjustable contrast and brightness Ability to zoom any parameters Ability to adjust individual alarms Ability to change color of the trace by user RS 232C interface for data communication UPS system with at least 1 hour backup time

No.	Name of the Items required to be purchased	Specifications Required for the Item to be purchased
		Should provide a high quality thermal recorder interchangeable module, 1 no with each monitor. Store and review trends for at least 24 hours 1. Parameters monitored : The following modules complete with their accessories: Heart rate/ECG Respiration Oxygen saturation Temperature Noninvasive Blood pressure Invasive blood pressure EEG (2 monitors), 'microstream' EtCO2 (2 monitors) 2. Heart rate/ECG: At least 3-lead selectable ECG Built in arrhythmia monitoring in all leads Inbuilt ST segment analysis and arrhythmia detection facility Display of 2 ECG leads simultaneously at a time Heart rate range 20-240 bpm Accuracy + 5 bpm Display sweep speeds 12.5, 25 mm/sec (user adjustable) Averaging time: user selectable up to 8 seconds ECG amplitude user adjustable Defibrillator protected 3. Respiratory rate Measured by transthoracic impedance using the same ECG lead Range 0 to 150 breaths/min Accuracy + 2 bpm Display sweep speeds 6.25, 12.5 & 25 mm/sec (user adjustable) Averaging time: user selectable up to 8 seconds User selectable apnea alarm time 4. Oxygen Saturation Masimo-SET technology to take care of low perfusion states and motion artefacts. Dual wavelength LED pulse oximetry Range 1 to100% SpO2 accuracy : + 2 % (70-100% range) Averaging time: user selectable up to 8 seconds Plethysmographic waveform display 5. Temperature Skin type capable of recording both central and peripheral skin temperature Continuous digital display of two site temperatures Range: 25-50 degree Celsius Resolution: ± 0.1 degree Celsius Accuracy: + 0.1 degree Celsius 6. Non-invasive Blood pressure : Capable of measuring blood pressure in neonates weighing 400 g to 5000 g Microprocessor software with unit in mmHg Oscillometric technique Manual, auto and time limited stat modes

No.	Name of the Items required to be purchased	Specifications Required for the Item to be purchased
		User selectable automatic time intervals Display systolic, diastolic and mean BP Blood pressure range Systolic BP : 30-150 mm Hg Diastolic BP : 10-100 mm Hg Mean: BP 20 – 100 mmHg Pulse rate range : 20-240 bpm Cuff : auto deflate with over pressure protection Should automatically establish zero reference after each reading 7. Invasive Blood pressure At least 2 channels Compatible with reusable and disposable pressure transducers Transducer should allow continuous infusion into the artery through an infusion pump while pressure is simultaneously displayed Input through pressure transducer that functions through a fluid filled catheter system Unit: mmHg Should allow continuous fluid infusion into the artery /vein through an infusion pump without any volume limitation Compatible with arterial BP, CVP, pulmonary artery pressure and intracranial pressure monitoring catheters Range 0-300 mmHg Display resolution: ±1 mmHg Accuracy ± 1mmHg Digital waveform display User selectable pressure channel display 8. EEG EEG module should be interchangeable with any of the 6 monitors Input: 3 lead (Std, left, right) Sensitivity: 20, 50,100,250/µV/cm Display: Left or right sided waveform Small, cup type EEG electrodes and lead set kit suitable for neonatal use with a low impedance 9. Microstream end tidal capnography (EtCO2) Module should be interchangeable with any of the 6 monitors Microstream technology with neonatal mode Display of both waveform and numerical values Should be usable in intubated as well as non-intubated neonates Measured parameters: EtCO2, CO2 waveform, Respiratory rate CO2 range – 0-150 mmHg Respiratory rate – 0-150 breaths / min Display – in mmHg and % Accuracy - ±2 mmHg (0-38 mmHg) 10. User selectable alarms High and low heart rate High and low respiratory rate Apnea with adjustable time 5-20 seconds High and low saturation High and low SBP

No.	Name of the Items required to be purchased	Specifications Required for the Item to be purchased
		High and low DBP High and low MAP High and low EtCO2 Probe failure Poor signal Power failure Audio & visual alarms with message 11. Trends Memory storage : at least 24 hours Data display interval : not more than 20 sec Display range : last ½ hour to 24 hours Graphical and tabular format of display of variables 12. Power 220/240 V 50/60 Hz AC Rechargeable internal battery with a back up of at least 1 hr 13. Communications with Information Management Systems: a. To provide HL-7 compatible server for sending and receiving information to and from the monitoring network to and from Hospital Information System, Laboratory information etc for integration of various information b. To provide suitable facility for sending and receiving DICOM Compatible Radiological Images like Ultrasound, X-Ray etc to and from the monitoring network to and from Hospital Information System,Radiology Information System etc for integration of various information 14. Manuals : Operator & service manuals 15. Should be approved & certified by FDA (USA) and European CE (certificate to be submitted) 16. Manufacturer should have ISO certification for quality standards 17. Shall meet the safety requirements as per IEC 60601-2-27:1994—Medical electrical equipment—Part 2: Particular requirements for the safety of electrocardiographic monitoring equipment 18. Availability of spares for at least 7 years after date of installation 19. Warranty and CMC would include the periodic calibration of all parameters strictly as per manufacturer's recommendations and any spares or standards required for that. 20. Onsite physical demonstration of the monitor with all the requested modules will be mandatory 21. Should have local service facility and should have the necessary equipments to carry out preventive maintenance test 22. Essential Accessories The following quantities are to be supplied with the initial order: ECG/Respiration ECG patient cable : 10 ECG lead wires set (at least 3 leads) : 10 sets Disposable small ECG electrodes for preterm neonates: 200 sets (set of 3) Oxygen saturation Patient extension cables: 10 Reusable neonatal wrap around probes: 12 Reusable ear probe - 2

No.	Name of the Items required to be purchased	Specifications Required for the Item to be purchased
		Temperature Reusable surface (skin) temperature probes: 10 NIBP Patient extension cable – 10 Disposable NIBP cuffs of sizes suitable for neonates (<1000g, 1000-2000g, and >2000g): 50 no of each size (total 450 no) IBP Transducer connecting cables: 6 Reusable pressure transducer: 4 Disposable pressure dome kit with neonatal flush device: 50 Microstream capnography (EtCO2) Disposable EtCO2 sensors: Through ET tube: 50 EEG Patient cable: 2 Small, cup type EEG electrodes suitable for neonates with lead set kit: 2 23. Prices of above consumables should be quoted separately and frozen for the period including warranty and CMC period. 24. Shall meet IEC-60601-1-2 :2001(Or Equivalent BIS) General Requirements of Safety for Electromagnetic Compatibility. Or should comply with 89/366/EEC; EMC-directive 25. The unit shall be capable of being stored continuously in ambient temperature of 0-50deg C and relative humidity of 15-90% 26. The unit shall be capable of operating continuously in ambient temperature of 10 -40 deg C and relative humidity of 15-90% 27. Should have local service facility .The service provider should have the necessary equipments recommended by the manufacturer to carry out preventive maintenance test as per guidelines provided in the service/maintenance manual 28. User/Technical/Maintenance manuals to be supplied in English. 29. Certificate of calibration and inspection. 30. List of important spare parts and accessories with their part number and costing 31. Log book with instruction for daily, weekly, monthly and quarterly maintenance checklist. 32. The job description of the hospital technician and company service engineer should be clearly spelt out
6.	Transcutaneous Bilirubin Analyser	1. Light weight: portable unit 2. Multi wavelength spectral reflectance meter 3. Provides measurement of total serum bilirubin reported in mg/dL or micromol/L. 4. Measurement rage 0 to 20 ml/dL (0-340 micromol/L) 5. Light source should be pulse xenon arc lamp 6. Silicon photodiodes detector 7. Should have a reusable measuring probe which can be cleaned with disinfectant 8. Should have an in-built battery 9. Large easy to read display 10. Should have a charging station

No.	Name of the Items required to be purchased	Specifications Required for the Item to be purchased
		11. Should work with all skin colour 12. Should be European CE and US FDA approved product and the certificate must be submitted 13. The price quoted in the financial bid should include the cost of the equipment along with the cost of the first three thousands measurements of jaundice done with the equipment 14. Items covered under warranty/CMC a) Prices of consumables should be quoted separately and frozen for the period of warranty and CMC period 15. The unit shall be capable of being stored continuously in ambient temperature of 0-50deg C and relative humidity of 30-90% 16. The unit shall be capable of operating in ambient temperature of 20-40 deg C and relative humidity of less than 70% 17. Should have local service facility and should have the necessary equipments to carry out prventive maintenance test 18. Onsite physical demonstration and training of the equipment to all the end users with all the requested facilities will be mandatory 19. Availability of spares for at least 7 years after date of installation Supplied with 1. Charging unit with calibration checker 2. User manual with trouble shooting guidance, in English 3. Technical manual with maintenance and first line technical intervention instructions, in English 4. List of priced spare parts 5. Rates of spare parts to be quoted separately 6. List with name and address of technical service providers in India
7.	Bubble CPAP Machine	• Should be light weight, easily portable, sturdy and easy to maintain. • Humidifier: o Should automatically regulate the necessary temperature (37^0C) o Should have a closed system for filling-up the required water level o Should display the chamber temperature and/or the temperature at patient end o Should have ports for attaching a temperature probe as well as heater wire • Patient circuits: o Thermoregulation – with both manual and servo modes; (temperature probe, heater source, and a thermostat mechanism are essential) o Oxygen therapy – air/oxygen blender and flow meter, oxygen cylinder o Suction – suction device that can function even without power (e.g. using *Venturi*) o Internal light – for illumination o Ventilator – basic ventilator with at least CPAP and IMV modes

No.	Name of the Items required to be purchased	Specifications Required for the Item to be purchased
		with controls for CPAP/PEEP, PIP, rate, Ti and FiO2. • Power system: o Rechargeable battery with charge lasting for at least 4-6 hours o The battery should be capable of recharging from mains as wells as the ambulance power source o It should be able to run the following equipments when disconnected from the power source: heater, suction machine, and ventilator • Display: o Temperature of the baby and heater output • Other features: o Fitting rail for accessories o Straps for baby o Sturdy wheels for easy portability • Maintenance o Check list for preventive maintenance o Service and AMC

MANUFACTURER's / PRINCIPAL's AUTHORIZATION FORM

(Clause 13 (c) of the tender)

To

The Administrative Officer,
All India Institute of Medical Sciences Raipur

Dear Sir,

TENDER: _____.

we, _____, _____who are established and reputable manufacturers of _____, having factories at _____ and_____, hereby authorize Messrs. _____ (name and address of agents) 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 regard 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 up to _____ _____

Yours faithfully,

(Name)
For and on behalf of Messrs. _____
(Name of manufacturers)/Principal