

364
NO. ADMN (E) /2016-17/ NICH
GOVERNMENT OF SINDH
NATIONAL INSTITUTE OF CHILD HEALTH
KARACHI-75510

1st/feb
Dated: 2017

TENDER NOTICE

Sealed bids are invited from G.S.T. Registered Manufacturers/ Sole Agents/ Authorized Distributors for the Purchase of items which mentioned below for the year 2016-17.

S.#	NAME OF SCHEDULES	COST OF TENDER Non-Refundable	VALUE OF TENDER
2.	Purchase of Plant and Machinery/Equipment (ADP)	2000/=	76.936 million

A complete set of bid documents can be purchased from cashier of this Institute on submission of written application upon cash payment of Rs.1000/- (Rupees one thousand only) (non-Refundable) on any working day from 07-02-2017 to 21-02-2017 which will be submitted on 22-02-2017 at 09:00 am to 11:30 am and opened publicly on the same day at 12:30 am. All bids must be accompanied by a Bid Security/Earnest Money @ 2.5% of the total bid cost in shape of pay order and bid must be in Pak rupees. The Director, National Institute of Child health, Karachi reserves the right to accept/reject any or all bids under the relevant provision of SPPRA, Rules, 2010 amended 2013.

In case Govt. announces any public Holiday then tender will be opened on next working day.

All quotations shall include Govt. Taxes including GST if applicable.

Information regarding this NIT may also be downloaded from SPPRA website: www.pprasindh.gov.pak and NICH website: www.nich.edu.pk

For further details please contact on telephone No.99201261-4 Ext.215/303 from Mr. Majid Ali Senior Hospital Equipment Engineer.



PROF: SYED JAMAL RAZA
DIRECTOR



NOTIFICATION

No.HD (P&E) 6-2 (10) / 2016. The Government of Sindh, Health Department is pleased to constitute a procurement committee under Rule-7 of Sindh Public Procurement Rules 2010, Amended 2013 comprising of following members in respect of ADP development scheme "Strengthening of National Institute of Child Health Karachi", during the c.f.y 2016-17;

- | | |
|---|----------|
| 1. Prof: Syed Jamal Raza Professor/Director, NICH, Karachi | Chairman |
| 2. Prof: . Khemchand N. Moorani,
Professor, Jinnah Sindh Medical University, Karachi | Member |
| 3. Representative of Health Department, (Development Wing)
Govt. of Sindh Karachi | Member |
| 4. Representative of Population Welfare Department.
Govt. of Sindh Karachi. | Member |
| 5. Representative of Deputy Commissioner, South
Karachi . | Member |

The committee will responsible to observe all the codal formalities as per Sindh Public Procurement Rules 2010 (Amended 2013).

Ahmed Bakash Narejo
Secretary Health

NO.HD (P&E) 6-2 (10) / 2016,

Karachi, dated 08- 08 -2016.

C.c. to:

1. Accountant General Sindh, Karachi.
2. Secretary, Population Welfare Department, Government of Sindh with a request to nominate the member (not below the rank of BPS-18) for above said committee.
3. Managing Director, Sindh Public Procurement Regulatory authority, Karachi.
4. Deputy Commissioner South, Karachi, with a request to nominate the member (not below the rank of BPS-18) for above said committee.
5. All the member of Committee.
6. P.S. to Secretary, Health Department, Govt. of Sindh, Karachi.

Research Officer (Dev)

Majid
2



Phone # 99212097, 99212088
99203108, 99204203

No. SO (M&I) 2-1/2013 (CRC)
GOVERNMENT OF SINDH
HEALTH DEPARTMENT
(PROCUREMENT MONITORING & INSPECTION CELL)
Karachi, Dated: 18th Feb 2016

NOTIFICATION

In supersession of this Department's notification of even number dated: 29th July, 2013 and 28th March 2015 and in pursuance of Rules-31 and 32 of Sindh Public Procurement Rules 2010, the Government of Sindh, Health Department re-constitutes Complaint Redressal Committee (CRC) comprising of the following officers for scrutinizing the complaints of aggrieved bidders against tender invited by Health Institutions / Hospitals / Programmes / Projects in Sindh.

01	Special Secretary-(Admn). Health Department, Sindh	Chairman
02	Additional Secretary(PM&I),Health Department, Sindh	Member
03	Professor Khalida Soomro, Professor of Cardiology, Dow University of Health Sciences / Civil Hospital, Karachi.	Member
04	Dr. Syed Khalid Hussain, Procurement Executive, N.I.C.V.D., Karachi.	Member
05	Representative from Accountant General Sindh, Karachi	Member

TORs

- To scrutinize the complaints from the aggrieved bidders and decide the cases strictly in accordance with SPP Rules 2010.

SECRETARY HEALTH

No. S.O.(PM&I) 2-1/2011(CRC)

Karachi, dated, the 18th Feb 2016

C.C to:

1. The P.S.to Chief Secretary Sindh, Karachi.
2. The Managing Director, Sindh Public Procurement Regulatory Authority, Karachi.
3. The Executive Director, NICVD, Karachi.
4. The Director General Health Services Sindh, Hyderabad.
5. The Additional Secretary (Admn/Development/Public Health), Health Department.
6. The Chairman & all members of the Committee.
7. The P.S. to Secretary Health Sindh.

(RASHID HUSSAIN)
SECTION OFFICER (PM&I)

Recd
18-2-16



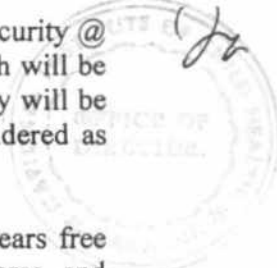
TERMS AND CONDITION OF TENDER FOR PURCHASE OF PLANR & MACHINERY/EQUIPMENT (ADP) FOR N.I.C.H, KARARCHI, FOR THE YEAR 2016-2017.

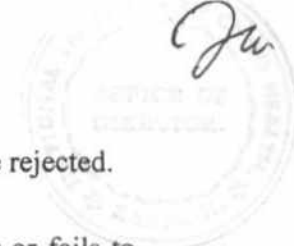
1. Cost of the Tender is : Rs.2000/= (None Refundable)
 2. Tender selling date is from : 07-02-2017 to 21-02-2017
 3. Tender submission date is : 22-02-2017 from 09:00 am to 11:30 am
 4. Tender will be opened on : 22-02-2017 at 12:30 pm
- : Participants, in the **Conference Room, NICH**

NOTE: - READ THE TERMS AND CONDITIONS CAREFULLY:

Tenders are required to comply with all the clauses mentioned in the terms and conditions of the tender with all the relevant documents required and any deviation/short of document or incomplete tenders will forbid the participant from competing in the tender. The terms and conditions are as under:

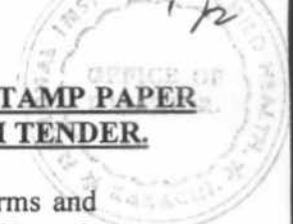
1. In this tender two envelopes procedure will be followed i.e. technical bid and financial bid will be submitted in separate sealed envelopes.
 - a). In technical bid the bidder must provide original data sheet and technical brochure otherwise the bid will be rejected. The technical evaluation will be done on the basis of data sheet provided by the vendor as per technical bid.
 - b) In commercial bid the vendor should mention financial offer along with draft of 2.5 % Earnest Money/Bid Security in favor of the Director, NICH.
2. The Photostat copy of deposit at call if attached with the technical should be made in such a way that its value is neither disclosed nor readable. This can be done by placing a piece of paper on the place where amount is mentioned.
3. The disclosure of firm's equipment price at the time of opening of technical bid will result in to rejection of the bid.
4. First scrutiny of technical bids will be performed by the technical committee and financial bids of those firms will be opened which qualify technically.
5. The equipment offered must be Brand New of Latest Technology/ latest version/generation, without defects or blemish and shall meet the standards, specifications.
6. Quality assurance tools/test equipment availability with local Tenderer for Preventive Maintenance and periodic calibration along with list of test tools with calibration validity be provided by firms before entering in to agreement.
7. Certificate from the sole agent / manufacture that the vendor has fully equipped workshop, along with list of trained personnel/engineers and equipment should be provided with technical bid and it can be physically verified by the technical committee of NICH or Ministry of Health if needed.

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8. The successful bidder will be required to submit bank Guarantee/ Performance Security @ 5 % of the total value of order to NICH for warrantee period of three years, which will be required before issuing orders as security money, failing which the Earnest Money will be forfeited to Government accounts. Submission of security money will not considered as final order.
 9. The vendor will give three years warrantee with parts, if any and further two years free service without parts. And 03 years Warrantee for the availability of spares and engineering backup. However service charges after warranty with parts will be negotiated before issuance of order.
 10. The warranty period will commence from the date of commissioning of the unit as per report of end user and technical person within 12 weeks period.
 11. Firm must provide complete details of their financial standing listing of similar equipment supplied in Pakistan, Bio-Data of Engineers with training certificates/test equipment details of local stock of spare parts for similar equipment and details of office with number of personals.
 12. Technical training to Bio-Medical/Equipment engineer from factory trained engineers for equipment procured will be provided by the firm.
 13. All equipment to be supplied should be accompanied with three original copies of the operation service/maintenance and schematic diagram and spare part list manual in the English Language.
 14. Supplier will provide clinical applications training to the end user by factory trained clinical expert on NICH Site for a satisfactory period as per requirement of end user.
 15. No tender will be entertained without call deposit conditional tender will also not be accepted.
 16. The tenderer has to quote only one rate for each item as per tender specifications no alternate model will be accepted only first offer will be considered. Hand written tenders or any over writing, cutting, erasing shall be liable to disqualification firm.
 17. The bids will be valid for **90Days** from the date of the opening of the tender SPPRA Rules.
 18. The bidder shall submit with the bid an undertaking on stamp paper, stating that the equipment to be supplied is brand new and of latest generation free from defects in design material and workmanship will bind himself for availability of spares for a period of 10 years from the date of supply. In case of winding up of his business the supplier shall be bound to make on alternate arrangement of spares and maintenance of equipment. In case of default depreciated cost of equipment will be recoverable from him.
 19. Vendor /Supplier will be responsible for pre-requisition installation, free of cost and also responsible for pre-installation work if required.
 20. Equipment/Instrument will be handed over to store keeper through Bio-Medical /Equipment department with a copy of Delivery Challan.
 21. The contractor must be authorized sole agent of the manufacturer. No sub-sole distributor is allowed to participate in the tender.

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22. Price escalation will not be allowed.
 23. Tender which does not fulfill the prescribed condition in the tender is liable to be rejected.
 24. If supplier/firm doesn't supply equipment in accordance with the supply order or fails to supply according to terms and conditions or in case of any other default, it will be black listed and the earnest money will be forfeited.
 25. If the supplier fails to give supply and install within the stipulated period, penalty will be imposed @ 0.1 % of the total value of equipment per day subject to a maximum of 10 %.
 26. No tender will be issued on the opening day.
 27. Any major & minor part becoming faulty during warranty period will have to be supplied by the firm at their cost.
 28. The payment will be made after satisfactory report of the user department and Bio-Medical /Equipment department countersigned by authorized persons.
 29. All Taxes will be deducted according to government rules.
 30. The attached question Proforma must be properly filled and should be complete in all respect in case questioner Proforma is incomplete or information provided are incorrect the tender shall be rejected.
 31. The Director, NICH reserves the right to reject or accept any or all bids under the relevant provision of SPPRA, Rules.2010 amended 2013.
 32. The rate quoted must be in **DDP & CIF** basis. Rate on **DDP** basis must include Income Tax, GST, SST, etc. in vogue. Variation in prices of Pak Rupees based on the variation of Forex rate (Dollar /Euro) in the International Market Shall be borne by the Supplier and not by the Government.
 33. The supplier should provide pre-requisites for the space, where equipment to be installed regarding electric and civil work.
 34. In case of placing the order on "**CIF**" basis, the Supplier will have to be responsible to bear all the expenses like insurance, clearing charges, Bank charges, transportation, etc.
 35. If it is declared at the later stage that the supplied item(s) were of inferior quality the same will be replaced by the concerned firm at their own risk and cost
 36. Tenderer will import this equipment on behalf of NICH. The L/C will be established solely to import for NICH as per purchase order and no other goods will be imported in this consignment. A copy of all shipping documents (Copy of L/C, Proforma Invoice, Bill of Lading /Air Ways Bill, Bill of Entry etc.) should be submitted to NICH when available.
 37. NICH will be the consignee of the equipment imported. The Tenderer will open L/C in the name of Director, NICH, Karachi; Tenderer will be responsible/ arrange the consignment clearance through clearing agent on behalf of NICH and deliver the consignment directly from port to NICH Stores.

38. NICH will assist the Tenderer in clearing the consignment from customs and will arrange the relevant SRO/NOC and other documents required to avail the exemption of Custom Duties, GST, Income Tax and other Taxes/duties applicable on such import.
39. Tenderer will clear the consignment from the customs and bring it to NICH Stores duly insured. It will be the responsibility of Tenderer to inspect physically the consignment to ensure that it is received in good condition without damage. After opening the consignment if any thing is found damaged, occurred by virtue of shock during unloading and transportation, this will be reported immediately for insurance claims.
40. Tenderer shall maintain at their Karachi office a factory trained engineers at all times. Specially trained engineers for the quoted system within Karachi.
41. The supply should be completed within 30-90 days of establishment of L/C; otherwise a penalty of @ 0.1 to 10% per day will be imposed, which will be deducted from their security money. After expiry of delivery period the competent authority have the right to forfeit security money to the government account.
42. All the test tools must have calibration certificate and the same must be validated whenever required. Qualified and fully trained system experienced service support will be available during warranty and post warranty.
43. Preventive Maintenance will be carried out as per manufacturer's recommendations. PPM Schedule to be provided before equipment Installation. All maintenance inspections detailed here in above shall be scheduled between 09:00 AM to 3:00 PM-Mon - Sat, excluding Public Holidays.
44. Preventive Maintenance will be performed as per the scheduled mutually agreed upon between the Tenderer and the NICH. This maintenance includes all cleaning, lubrication, testing, alignment and replacement of parts necessary to minimize equipment failures and extend its useful life. Corrective Maintenance includes all actions to diagnose and correct equipment mal functions / image quality.
45. The supply will have to be delivered at the premises of NICH at the supplier's risk and cost. Any breakage or shortage of stock will be recovered from the supplier.
46. If any firm refuses to deposit the security money his pay order will be forfeited to the Government Account, after depositing the security money, if he fails to supply the required item or provides the substandard quality or refuses to follow the orders, his security money also will be forfeited to the Government Accounts.. No excuse will be accepted in case of inferior and substandard quality supplies and it will be replaced forthwith.
47. The Director NICH, Karachi reserves the right to take all the quantities mentioned in the schedule or part thereof.
48. The Tenderer/ Supplier should submit an under taking that supply should be made available within 30-90 days after the date of placing the order. The delivery period can be extended by the competent authority for 10 days if reason is genuine. After that penalty of 0.1 to 10% per day will be imposed, which will be deducted from the security money. However full quantity of the purchase order should be completed within given time, after that their earnest money will be forfeited to government accounts, and they may be black listed by the competent authority.

**AN UNDERTAKING CONTAINING THE MATTER MENTIONED BELOW ON STAMP PAPER
OF RS:100/= DULY ATTESTED BY NOTARY PUBLIC TO BE SUBMITTED WITH TENDER.**



- I. We hereby confirm to have read carefully the description of stores/items and all the terms and conditions of your tender enquiry due for opening on **22-02-2017 for the Purchase of Plant & Machinery /Equipment (ADP) for NICH, Karachi.**
- II. We also hereby categorically confirm that the stores offered by us are exactly to the particulars and specification as laid down in your tender enquiry in all respects.
- III. We hereby confirm that the supply be made available within 30-90 days after placing the order, Otherwise NICH reserves the right to take action as per terms and conditions.
- IV. We certify that we will abide by all the terms and conditions of the tender. Infringement of any of the terms/conditions will make the tender invalid as recommended by the competent authority.
- V. Certified that the prices quoted to this institute against tender are not more than the prices charged from any other purchasing agencies in the country and in case of any discrepancy, the Tenderer hereby undertakes to refund the price charged in excess.
- VI. Certify that no government servant has directly or indirectly a share or interest with our firm.
- VII. We had not been black listed in any government institution or any pending litigation with any government Institutions / hospitals

The tender should be addressed to the Director, NICH, Karachi and be submitted in sealed envelope and dropped in the tender box placed in the Office of the Procurement Department on above mentioned date and time, Which will be opened before the Tenderer if present at 12:30 PM the same day.

Late tender (i.e. tenders received after opening of tender box 12:30 PM will not be accepted and will be returned by hand. Instructions on work order should also be followed.

FOLLOWING DOCUMENTS ARE TO BE SUBMITTED ALONGWITH TENDER

		yes	No
a.	<i>Tender Purchase Receipt in Original.</i>		
b.	<i>Earnest Money as per tender condition.</i>		
c.	<i>Income Tax Certificate.</i>		
d.	<i>GST Registration Certificate.</i>		
e.	<i>A Photostat copy of the national Identity Card (CNIC).</i>		
f.	<i>Valid Agency Authorization Certificate / Agreement.</i>		
g.	<i>Original Terms and Conditions of the Tender duly signed by the Supplier that they have to abide by all the above mentioned terms and conditions.</i>		
h.	<i>List of Hospitals / Institutes where these type of equipment, they have supplied.</i>		
i.	<i>List of Trained / Skilled Personnel and Equipment available in their workshop for the facility of Service / Maintenance & Complete Profile of the Company.</i>		
j.	<i>Certificate that the price quoted to NICH, Karachi, are not more than the price quoted to any Government / Semi Government / Autonomous Department.</i>		
k.	<i>A Certificate that the firm will abide all terms and conditions of the tender.</i>		
l.	<i>FDA approved model certificate.</i>		
m.	<i>CE approved model certificate.</i>		



CERTIFICATE

Certified that all terms and conditions mentioned in the tender are the acceptable and will abide them strictly

Signature : _____

Name : _____

Address : _____

Telephone No : _____

WITNESS: 1) _____

WITNESS: 2) _____

NO. ADMN (E) /2016-17/364 /NICH
GOVERNMENT OF SINDHO
NATIONAL INSTITUTE OF CHILD HEALTH
RAFIQUEE (H.J) SHAHEED ROAD
KARACHI-75510



**TENDER FOR PURCHASE OF PLANT & MACHINERY/EQUIPMENT (ADP) FOR N.I.C.H.,
KARACHI, FOR THE YEAR 2016-17**

S.No.	NAME / SPECIFICATION OF MACHINERY & EQUIPMENTS	Yes / no / put desired value	Req. Qty	DDP, CIF	
				Rate	Amou
	MULTIPARA MONITORS		17		
	Model / Cat. No.				
	Make:				
	Sole Agent Exclusively for Pakistan (Yes / No)				
	with maximum channels				
	ECG.				
	NIBP.				
	SPO2.				
	Respiration,				
	Temp,				
	15" TFT Color display				
	Reusable sensor probe maximum length				
	Sterilized and used with neonate to pediatric finger or ear sensor				
	Wall mounted stand/trolley				
	Maximum 4hrs battery backup				
	Power 220V – 240V				
	With all standard accessories as per our requirement.				
	FDA/CE/JIS approved model:				
	Country of Manufacturer: U.S.A, Japan, EU or equivalent.				
	Delivery Period				
	Warranty				
	Training: origin / other details:				
	MOBILE DIGITAL X-RAY MACHINE 300mA:		01		
	Model / Cat. No.				
	Make:				
	Sole Agent Exclusively for Pakistan (Yes / No)				
	X-Ray Generator:				
	High frequency X-ray Generator 300mA/125 or more, battery powered X-ray Generator				
	Microprocessor Controlled				
	Output power: 20kW or more				
	Auto diagnostic system				
	Tube overload protection				
	KVp range from 40 KVp to 125 KVp or better				
	mA range: 10 to 300mA or more				
	mAs range: 0.1 to 300 mAs or more				
	Touch screen control panel/control panel with sensible keys and digital display				
	Integrated Generated console				
	Auto diagnostic system with error code				
	Automatic line power detection system				
	X-Ray Tube:				
	Focal size: small focus 0.6mm / Large focuses 1.2mm				
	Tube Voltage: 40 - 150kV				
	Anode heat capacity: 140KHU				
	Collimator:				
	Manual collimator				
	Electronic time and meter				
	LED field light lamp				
	Light indicator for alignment with the Bucky				
	High Tension Cables:				



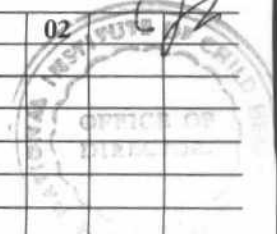
Flexible high tension cables			
Tube Stand Column:			
Motorized unit			
Pressure sensitive moving system			
Two independent motors one for each wheel			
Forward and backward movement			
Anti - collision system			
Manual rotary collimator with x-ray covers area light indication			
Emergency stop push button			
Tube stand column rotation +/-270° or better			
Tube rotation "X" axis +/- 180°			
Collimator rotation +/-90°			
Vertical tube travel 145 cm or more			
Horizontal tube travel 50 cm or more			
Counterbalance tube arm			
Electromagnetic breaks			
Computer Radiography (CR) System			
Floor mounted/table top CR system			
Throughput: 60 plates/hour or more			
LED status indicator			
Status and error message			
Output to processor: 12bits/pixel			
Complete with digitizer, workstation, 4IPS (Image plate, each size i.e 18x24, 24x30, 35x35, 35x43 cm and DICOM laser printer/thermal printer.			
With all standard accessories as per our requirement.			
FDA/CE/JIS approved model:			
Country of Manufacturer: U.S.A, Japan, EU or equivalent.			
Delivery Period			
Warranty			
Training: origin / other details:			
O.T LIGHT LED TYPE:		01	
Model / Cat. No.			
Make:			
Sole Agent Exclusively for Pakistan (Yes / No)			
Features:			
Highly efficient reflecting LED			
Color temp: (3500°K to 5500 °K) to ensure clarity of operating field.			
Easily adjustable intensity level			
True environment friendly delivers 160,000LUX.			
Patented that sink structure keeps LED cooler, increasing LED life & efficiency			
Maximum focusable			
Prefer to minimum number's of LED light			
running LED cost should be mansion			
Universal medical grade power supply			
Smooth easy-to-clean non-ageing aluminum light head cover			
Specification:			
Light head data	: 62 cm		
Articulation radius	:170/ 183 198 cm by order		
Light head height adjustable	:105 cm +/- 5		
Illuminate mode	:reflected LED		
Central illuminate / IM	:160,000 LUX		
Color Rendering Index	: 96 + / - 2		
Focusable light head height	: 60 cm ~ 180 cm +/-5		
Depth of light	: 60 cm +/-5		
Depth of illumination	: 110 cm		
LED life	: 50,000 Hrs		
Head to light ratio	: 2.6 mw / m ² LUX		
Power supply			
With all standard accessories as per our requirement.			
FDA/CE/JIS approved model:			
Country of Manufacturer: U.S.A, Japan, EU or equivalent.			
Delivery Period			

Warranty			
Training: origin / other details:			
PORTABLE O.T.LIGHT:			
Model / Cat. No.			
Make:			
Sole Agent Exclusively for Pakistan (Yes / No)			
Should have central illuminance intensity at a distance of 1 meter [1x]=120,000			
Should have electrical dimming capability from / to [1x] 26,000-120,000			
Color temperature [k] must be 4,500			
Focusable size of light field d 10at a distance of 1m [mm] should be 165-240			
Colour rendering index RA in any color temperature configuration should be 96+ / -2			
Red rendering index should be 96			
Weight of light head not more than 13kg			
Light head power consumption [W] = 40 to 50			
Led life time must be at least > 50,000 [h]			
Light -emitting surface = 1650cm			
With all standard accessories as per our requirement.			
FDA/CE/JIS approved model:			
Country of Manufacturer: U.S.A, Japan, EU or equivalent.			
Delivery Period			
Warranty			
Training: origin / other details:			
FIBER OPTIC LARYNGOSCOPE:			02
Model / Cat. No.			
Make:			
Sole Agent Exclusively for Pakistan (Yes / No)			
Blades			
Macintosh 00, 0, 1			
Miller 00,0, 1			
Battery with charger			
With all standard accessories as per our requirement.			
FDA/CE/JIS approved model:			
Country of Manufacturer: U.S.A, Japan, EU or equivalent.			
Delivery Period			
Warranty			
Training: origin / other details:			
AIR FILTRATION & ULTRA VIOLET STERILIZATION UNIT:			10
Model / Cat. No.			
Make:			
Sole Agent Exclusively for Pakistan (Yes / No)			
Air filtration unit & ultraviolet sterilization unit.			
Room dimension 17 x 17 or more			
Clean air delivery rate (CADR) : 312 or better			
Pollen, 274 Dust, 197 Smoke or better			
Higher pollen capture rate then a hepa air purifier for a comparable room size.			
3 speed fan, includes 3 air filter			
With all standard accessories as per our requirement.			
FDA/CE/JIS approved model:			
Country of Manufacturer: U.S.A, Japan, EU or equivalent.			
Delivery Period			
Warranty			
Training: origin / other details:			
SCRUBBING UNIT:			03
Model / Cat. No.			
Make:			
Sole Agent Exclusively for Pakistan (Yes / No)			
Three person knee operated tap.			
Features:			
Made of 1mm or more thick stainless steel sheet			
Anti splash basin design			
On e piece unit minimum corners for no contamination			



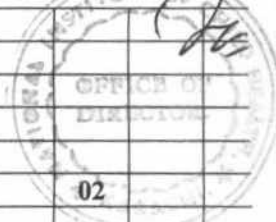


Three knee operated electronic taps.			
Stainless steel plates for wall mount fitting			
Provided with a inline filter			
Dimension 90w x 21 L x 22.5 H inches + 5			
With all standard accessories as per our requirement.			
FDA/CE/JIS approved model:			
Country of Manufacturer: U.S.A, Japan, EU or equivalent.			
Delivery Period			
Warranty			
Training: origin / other details:			
DEFIBRILLATOR:		04	
Model / Cat. No.			
Make:			
Sole Agent Exclusively for Pakistan (Yes / No)			
Portable Bi-Phasic Defibrillator with AED			
Recorder consisting of:			
Defibrillator with built in monitor and recorder, mains 200-240VAC 50Hz and rechargeable battery, output energy 2 to 200 Joules, adjustable from 3 to 50 Joules for international / pediatric defibrillation.			
Fast shock and continuous observation:			
It takes less than 4 to 5 seconds to charge 200 J with either AC power or fully charged new battery.			
The ECG baseline recovers within 3 seconds after defibrillation.			
The defibrillation result and patient condition can be confirmed quickly.			
In AED mode, "Continuous VF analysis" analyzes the ECG waveform even during CPR so energy charging can start before the shock advisory message. This allows quick delivery of shock monitor size 5.5" or more. TFT Color LCD, Lead synchronizer, Sweep speed 25 or 50mm /Sec, digital display of heart rate with high / low alarm.			
Energy Charging: control on front panel & apex paddle.			
Charge Indicators: visual indication of charging process.			
Audible indication of charge up to selected energy level.			
Selected energy level value displayed on monitor.			
External pediatric paddles attachment.			
ECG lead: Paddle, I, II, III.			
Spo2 lead: Paddle, I, II, III.			
Alarms:			
High & low heart rate alarms			
Low battery warning.			
Recorder:			
Proper speed: 25, 50 mm/s			
Sensitivity: 10 mm/mV +/-10%			
Proper width: 50 mm roll			
Printing density: 8 dots/mm			
Recorded waveforms: ECG & SPO2, (selectable; Spo2 or CO2 available when Spo2 or CO2 is measured):			
Power requirements: AC operation			
AC line voltage: 100 to 240 V			
AC line frequency: 50 or 60 Hz			
Adults and paed's paddles, built in recorder, speed 25mm/sec with standard paper, this recorder automatically starts when charge button is pressed and stops 15 sec after discharge.			
Automated External Defibrillation is available with additional optional disposable pad adapter cable and disposable pads. When shock able rhythm is detected automatically starts charging for hands free defibrillation.			
System Composition:			
Main unit complete with external paddles for adults & peads , external holder, built-in rechargeable battery and standard accessories:			
ECG connection (1)			
ECG electrode (1)			
Recording paper Z-fold, RQS 50-3 (50mm x 30m).			
With all standard accessories with imported trolley as per our requirement.			
FDA/CE/JIS approved model:			
Country of Manufacturer: U.S.A, Japan, EU or equivalent.			
Delivery Period			
Warranty			
Training: origin / other details:			



STERILIZER:		02
Model / Cat. No.		
Make:		
Sole Agent Exclusively for Pakistan (Yes / No)		
120 liters CSSD Sterilizer Vacuum type.		
Chamber capacity 120 Ltr or above		
Chamber material 304. (S.S)		
Minimum heat dissipated design.		
Jacket Material: 304. (S.S)		
Digital PLC Screen		
Cycle indicators, Pressure gauge.		
Safety locking		
Temp & pressure interval Printer.		
Pre-Vacuum / Post Vacuum and drying option		
Auto drain in liquid form.		
Water feeding (Automatic)		
Sterilizing temperature from 121C to 134C.		
Complete safety measure installed.		
3-4 minute at 134C to 10-13 minutes at 121C sterilization time.		
Jacket pressure (20-25) psi at 121C & (35-40) psi 134C.		
Chamber pressure (15-18) psi at 121C & (30-35) psi at 134C.		
Built-in electric steam generator.		
Unit delivered with 5 years parts availability		
With all standard accessories including R.O System compatible with quoted Auto Clave.		
With all standard accessories as per our requirement.		
FDA/CE/JIS approved model:		
Country of Manufacturer: U.S.A, Japan, EU or equivalent.		
Delivery Period		
Warranty		
Training: origin / other details:		
RESUSCITATION TROLLEY:		02
Model / Cat. No.		
Make:		
Sole Agent Exclusively for Pakistan (Yes / No)		
Resuscitation trolley with built-in LED photography light.		
Micro processor base servo controlled temperature system		
Three modes pre-warm, manual automatic.		
Anti- explosion micro crystal quartz for radiation source.		
Self test functional APGAR timer to record therapy time.		
Convenient X-ray cassettes tray under infant mattress		
Adjustable heater up to + 45c horizontally.		
Infant bed inclination.		
Transparent protector should be folded down with infusion seal.		
Built-in low-pressure aspirator		
LED photograph unit infant, mechanical resuscitator with accessories.		
Air & oxygen blinder, jell mattress, oxygen supply system, electric adjustable height, air temperature and countdown timer, infant head fixing, infant oxygen hood.		
With all standard accessories as per our requirement.		
FDA/CE/JIS approved model:		
Country of Manufacturer: U.S.A, Japan, EU or equivalent.		
Delivery Period		
Warranty		
Training: origin / other details:		
DIGITAL FLUOROSCOPY UNIT WITH FLAT PANEL DETECTOR:		01
Model / Cat. No.		
Make:		
Sole Agent Exclusively for Pakistan (Yes / No)		
X-Ray Generator.		
1. High frequency inverter type microprocessor controlled		
2. Three phase 50kW or more		
3. Maximum 600mA or more		

5.	Exposure time 0.001 to 03 seconds or more				
6.	Fluoroscopy kV ranges 50 to 120				
7.	Automatic over-load protection device and automatic line compensation				
8.	Fluro mA 0.5 – 4mA or more and radiographic mA 10-60mA				
9.	System with AEC / ABC and APR facility.				
X-RAY TUBE.					
1.	Anode heat storage capacity of at least 400 KHU or more				
2.	Rotating anode X-ray tube, with dual focus, small 0.6mm & large 1.2mm.				
X-RAY BEAM COLLIMATOR.					
1.	Automatic / Manual collimator with diaphragm with push button on / off system having built in time for illumination of x-ray beam area.				
FLAT PANEL DETECTOR					
1.	Panel Detector (CSi Technology).				
2.	Fixed Detector for radiographic and fluoroscopic examinations.				
3.	Matrix dimensions 2,200 X 2,600 pixels.				
4.	Pixel size 160 µm				
5.	17" x 17" image size				
6.	14 bits Analog to digital converter				
7.	DQE: 60% or better				
8.	4096 gray levels or better				
9.	Fluoro image immediately				
10.	Radiographic image display within 3-4 seconds or better				
11.	Acquisition: 15 images/ sec in 14 x 17 inch.				
12.	Acquisition console				
13.	19" Color LCD monitor medical grade				
14.	Maximum anatomical protocols.				
15.	Image display and post processing APR facility sending to network or printer.				
16.	Programmable annotations like hospital name, radiologist name, date, hour, patient data (name, DOB.....).				
17.	Intel core workstation, hard disk for software and image storage or better.				
18.	CD/DVD writer				
19.	DICOM compatible: (Store work list, print, MPPS etc				
REMOTE CONTROL TABLE.					
1.	Over couch tube				
2.	Height adjustable (automatic)/motorized.				
3.	Tilting table 90° - 25°				
4.	Equipped with soft start/stop				
5.	Dimension of table Large than 210 x 65cm or better.				
6.	SID : 110cm extendable up to 150cm or more				
7.	Patient coverage : 133cm or more				
8.	Patient load 130kg or more				
9.	Motorized compression cone.				
10.	One composite foot rest, one adjustable stool, two patient handles, two winches & one belt.				
11.	3 x lead apron, 3 pairs of lead gloves, 3 lead goggles.				
12.	15 nos. work/Acquisition station along with RIS software for three modalities. X-ray, CT Scan and MRI/Ultrasound image viewers.				
13.	Must be upgradeable for other modalities				
14.	PACS for CT, MRI, Digital Fluoroscopy machine.				
15.	PACS Server: Server Hardware Compatible with PACS 3.0GHZ or more, 8MB each, 8GB Ram, 2TB Hardisk or more PACS Software supports modalities e.g CT, MRI and Digital Fluoroscopy machine, Ultrasound etc.				
16.	Workstation: 15 workstations. Intel Core i5. 4 GB Ram, 500GB HDD or more. DVD/RW, Keyboard, mouse, 19" or more LCD display DICOM Compatible software for viewing of images receives from PACS server. Basic tools (Zooming, Rotation, Contrast/Brightness.				
17.	Quotation must include complete details of work including installation / commission / hardware & software for workstation.				
18.	Development of network architecture for LAN to LAN connectivity.				
19.	Online UPS of 100kv three phase with 5 to 10 mints backup.				
20.	Technical training to the engineer at manufacturing country.				
With all standard accessories as per our requirement.					

Approved model:		
Country of Manufacturer: U.S.A, Japan, EU or equivalent.		
Delivery Period		
Warranty		
Training: origin / other details:		
12.	COLOR DOPPLER:	
	Model / Cat. No.	
	Make:	
	Sole Agent Exclusively for Pakistan (Yes / No)	
	Fully digital beam former having 128 physical channel and 400,000 digital	
	Processing channels with integrated data management system having 500GB hard disk drive for still and cine clips storage	
	2D/M-Mode	
	Doppler	
	PW, CW & HPRF Doppler, 3D / 4D	
	Color flow imaging	
	System capability 2.5 – 14 MHZ or more	
	M-Mode	
	Tissue harmonic imaging	
	Tissue Doppler imaging with pulse wave TDI Doppler spectrum	
	Viewing depth: 0.5 to 30cm or more	
	Frame rate 1000 or more	
	Built-in CINE loop 10000 frames or more/256MBcine memory	
	Real time freeze & image magnification ability > 4x	
	Pre & post processing of 2D, color & PW with all features like SRI, dynamic range and auto optimization.	
	Sweep speed: slow, medium, fast	
	System dynamic range : 250DB or more	
	1. Doppler Mode Specifications:	
	Pulse repetition frequency range.	
	PWD; 0.5 to 10 KHZ.	
	CWD; 1.6 to 50 KHZ	
	Highest velocity range; 130CM or More	
	Lowest Detectable velocity range; 0.5CM for sector probe and 0.02 for linear Probe	
	Maximum detectable velocity range;	
	PWD= 20CM or More.	
	CWD= 21.5CM or More.	
	Doppler beam steering:	
	On line 4-ports for transthoracic probes or more for imaging (All ports should have option).	
	For CW, PW, and Color Doppler	
	With one more port for Blind / pencil probe.	
	Doppler beam steering and B1 Directional stereo audio.	
	2. Color Doppler: Both CW & PW Doppler must be continuously	
	Stearable in color blood flow imaging mode in real time	
	Colorized spectrum display	
	Tissue harmonic imaging with two frequency	
	2D image with color flow	
	Power Doppler.	
	Quad parallel color Doppler processing for simultaneously reception in 4 Directions	
	Auto image optimization / quick scan for single button optimization of all Scanning Parameters including STC overall gain and Doppler spectrum	
	Compound scanning using frequency as well as spatial compounding.	
	Trapezoid imaging for linear and sector probes.	
	3. Measurement Package: To provide comprehensive software package for measurement of distance.	
	Circumference, area time, depth etc, and separate software for cardiovascular including venous Doppler study, IMT (Intima medial thickness). Shearwave Elastography with quantification	
	4. System Complete with Following Facilities and Accessories:	
	19" or more high resolution monitor with touch screen 10"	
	Non-Interlaced	



	ECG including cables and transducers/electrodes			
	Foot switch			
	Minimum 4- ports for transducer inclusive of pencil probe			
	5. Standard Probes:			
	2-6MHZ multi-frequency convex probe			
	5- 0MHZ sector probe for paed.s.			
	5-11 MHZ multi-frequency linear probe.			
	6. STd Recording Devices: bult-in CD/DVD recorder for digi al image storage			
	External 4 channel USB			
	LED display to indicate the active probe			
	Built-in / separate compatible imported UPS (Minimum backup time> 10 Minutes)			
	System to have native dicom compatibility.			
	Thermal printer			
	STREE ECHO			
	Machine must have non Doppler/Doppler technique that displays blood flow echoes in grey scale mode which will helpful to visualize neonatal head vessels. It works with motion correction that helps eliminate movement's artifacts. (B-Flow/Power Angio)			
	Color SMI with Doppler Spectrum /color B-flow with Doppler Spectrum /micro CPA with Doppler Spectrum			
	Multi modality retrieve with Di-com CT, MRI, 3D U/S and U/S Images			
	Online UPS.			
	Wireless connectivity			
	With all standard accessories as per our requirement.			
	FDA/CE/JIS approved model:			
	Country of Manufacturer: U.S.A, Japan, EU or equivalent.			
	Delivery Period			
	Warranty			
	Training: origin / other details:			
3.	FUMIGATION UNIT:		02	
	Model / Cat. No.			
	Make:			
	Sole Agent Exclusively for Pakistan (Yes / No)			
	Automatic formalin vaporizer fumigation unit			
	Timer control base mobile unit			
	Power supply 220V 50Hz			
	With all standard accessories and certifications as per our requirement.			
	Country of Manufacturer:			
	Delivery Period			
	Warranty			
	Training: origin / other details:			

GOVERNMENT OF SINDH
NATIONAL INSTITUTE OF CHILD HEALTH
KARACHI-75510.

TENDER PURCHASE OF PLANT & MACHINERY/EQUIPMENT (ADP) FOR NICH FOR THE YEAR 2016-17

ANNUAL PROCUREMENT PLAN

(Works, Good & Services)

Financial Year 2016-17

Sr. #.	Description of Procurement	Quantity (Where Applicable)	Estimated Unit Cost (Where Applicable)	Estimated Total Cost	Fund Allocated	Source of Fund (ADP/Non ADP)	Timing of Procurement				Remarks
							1 st Qtr	2 nd Qtr	3 rd Qtr	4 th Qtr	
1.	Purchase of Plant & Machinery/Equipment	-	76.936 Million	76.936 Million	76.936 Million	ADP	-	-	Yes	-	



(PROF. SYED JAMAL RAZA)
DIRECTOR