

NO.F.1-7/2017-18-AD(M)/JPMC 2573  
GOVERNMENT OF SINDH  
JINNAH POSTGRADUATE MEDICAL CENTRE  
KARACHI-75510


Dated 30 November, 2017

✓ The Managing Director,  
Sindh PPRA,  
Government of Sindh,  
Karachi.

SUBJECT:- PUBLICATION OF TENDER NOTICE.

Please find enclosed herewith a copy of Tender Notice for the purchase of Machinery & Equipment through SNE and Purchase of Instruments for various departments of JPMC, Karachi for the year 2017-18. The said tenders have also been sent to Provincial Information Department, Government of Sindh, for the publication in news paper.

It is requested to hoist the enclosed tender notice on your web site, as soon as possible.

  
( DR. SEEMIN JAMALI )  
EXECUTIVE DIRECTOR  
EXECUTIVE DIRECTOR  
Executive Director  
J.P.M.C., Karachi

Copy to:-

- 1 The Deputy Director (MRSS) for hoisting of tender advertisement on the web-site of JPMC, Karachi.

OFFICE INWARD DIARY

NO: 3147

DATED: 30-11-17


GOVERNMENT OF SINDH  
JINNAH POSTGRADUATE MEDICAL CENTRE  
KARACHI-75510

**TENDER NOTICE**

Sealed tenders addressed to the Executive Director, JPMC, Karachi are invited for the purchase of Machinery & Equipment through SNE and Purchase of Instruments for the year 2017-18 as per procedure laid down under rules 46(2) of Sindh PPRA-2010:-

| <b>Tender No.</b>        | <b>Category of Tenders</b>  | <b>Cost of Tender</b> | <b>Value of Tender</b> | <b>Bid Security</b>  | <b>Date of submission &amp; opening</b> |
|--------------------------|---|-----------------------|------------------------|----------------------|---|
| F.1-7/2017-18-AD(M)/JPMC | Purchase of Machinery & Equipment through SNE for various departments of JPMC | Rs.1,000/=            | 27.675 million         | 2.5% of quoted items | 23-12-2017                              |
| F.1-6/2017-18-AD(M)/JPMC | Purchase of Instruments for various departments of JPMC                       | Rs.300/=              | 5.500 million          | 2.5% of quoted items | 23-12-2017                              |

Tenders documents (list of items and terms and conditions) can be purchased from Cashier of this Centre against cash payment of each category from 05-12-2017 to 22-12-2017 during office hours on working days i.e. (Monday to Saturday). Tender will be submitted at the Administration Block on 23-12-2017 between 9.00 a.m to 11.00 a.m. The same will be opened on same day at 11.30 a.m in the presence of representative of firm participated. For further details contact on phone # 99201300 Ext. 2413, 2256, 2548.

  
( DR. SEEMIN JAMALI )  
EXECUTIVE DIRECTOR  
DR. SEEMIN JAMALI  
Executive Director  
J.P.M.C., Karachi

## BIDDING DATE SHEET

|  |   |  |
|--|---|--|
| Procuring Agency                                       | : | The Executive Director, Jinnah Postgraduate Medical Centre, Karachi. |
| Address  | : | Rafiqui Shaheed Road, Karachi  |
| Name of Items  | : | Purchase of Instruments for various departments for the year 2017-18 |
| Bid Validity   | : | 90 days (As per SPP Rules-2010)                                      |
| Amount of Bid Security                                 | : | 2.5% of Bid Quoted Item  |
| Date of Submission                                     | : | As per Tender Enquiry  |
| Date of Opening  | : | As per Tender Enquiry  |
| Performance Security                                   | : | 10% of Contract Value  |
| Language of Bid  | : | English  |
| Bidding Procedure                                      | : | Single Stage – Two Envelope Procedure                                |
| Eligibility Criteria/<br>Technical Evaluation Criteria | : | As per Annexure-A  |
| Advance Payment  | : | No Advance Payment   |
| Inspection Authority                                   | : | Store Incharge/Deputy Director(Medical)                              |
| Place of Inspection                                    | : | Instrument Section (JPMC)  |
| Place of Delivery                                      | : | Instrument Section (JPMC)  |

## BIDDING DATE SHEET

|  |   |  |
|--|---|--|
| Procuring Agency                                       | : | The Executive Director, Jinnah Postgraduate Medical Centre, Karachi. |
| Address  | : | Rafiqui Shaheed Road, Karachi  |
| Name of Items  | : | Machinery & Equipment through SNE for the year 2017-18               |
| Bid Validity   | : | 90 days (As per SPP Rules-2010)                                      |
| Amount of Bid Security                                 | : | 2.5% of Bid Quoted Item  |
| Date of Submission                                     | : | As per Tender Enquiry  |
| Date of Opening  | : | As per Tender Enquiry  |
| Performance Security                                   | : | 10% of Contract Value  |
| Language of Bid  | : | English  |
| Bidding Procedure                                      | : | Single Stage – Two Envelope Procedure                                |
| Eligibility Criteria/<br>Technical Evaluation Criteria | : | As per Annexure-A  |
| Advance Payment  | : | No Advance Payment   |
| Inspection Authority                                   | : | Store Incharge/Deputy Director(Medical)                              |
| Place of Inspection                                    | : | Instrument Section (JPMC)  |
| Place of Delivery                                      | : | Instrument Section (JPMC)  |



GOVERNMENT OF SINDH  
JINNAH POSTGRADUATE MEDICAL CENTRE  
KARACHI-75510  
ANNUAL PROCURMENT PLAN  
FOR THE FINANCIAL YEAR 2017-18

| S# | Description of Procurement   | Quantity (Where applicable) | Estimated Unit Cost (Where applicable) (Million) | Funds allocated (Million) | Source of Funds (ADPs Non ADPs) | Proposed Procurement Method | Timing of Procurement |         |               |         | Remarks |
|----|--|-----------------------------|--|---------------------------|---------------------------------|-----------------------------|-----------------------|---------|---------------|---------|---------|
|    |  |                             |  |                           |                                 |                             | 1st Qtr               | 2nd Qtr | 3rd Qtr       | 4th Qtr |         |
| 1  | Purchase of Instruments for Various Department of JPMC   | 83 Items                    | 5.525 millions                                   | 5.525 million             | Non ADP                         | Tender SPPRA 46(2)          |                       |         | January-March |         |         |
| 2  | Purchase of Machinery/Equipment (SNE) for various Department, JPMC                                       | 55 Items                    | 27.675 million                                   | 27.675 million            | (SNE)                           | Tender SPPRA 46(2)          |                       |         | January-March |         |         |
| 3  | Purchase of Machinery/Equipment through Development Scheme "Strengthening & Improvement of JPMC, Karachi | 20 Items                    | 84.417 million                                   | 84.417 million            | ADP                             | Tender SPPRA 46(2)          |                       |         | January-March |         |         |

( Dr. ASSADULLAH )

DEPUTY DIRECTOR(MEDICAL)

Deputy Director (Medical)  
Jinnah Postgraduate Medical Centre  
KARACHI



GOVERNMENT OF SINDH  
HEALTH DEPARTMENT

NOTIFICATION

No. SO(PM&I)2-1/16-17/PM-01(JPMCK): A Procurement Committee under Rules-7 of Sindh Public Procurement Rules 2010 is hereby constituted comprising the following for procurement of Drugs / Medicines / Vaccines. (15% L.P). Hiring Retainer Chemist (Petty Purchase), Medical Cases, Lab Reagents, Kits, Chemical, Orthopaedic Raw Material, Dental Material, X-Ray films, Instruments Medical Equipment, Hardware and Computer, Diet (Fresh/Dry), General Items (Crocery, Sundries & Miscellaneous), Linen, Uniforms, Furniture and fixture (Purchase/Repair), Stationary and Printing of Forms, Machinery (Non-Medical) Vehicles, Telephone, Repair of Medical Equipment and hardware spare parts, for the financial year 2017-18 in the office of Executive Director, JPMC, Karachi.

|                         |  |          |
|-------------------------|--|----------|
| 01.                     | Dr. A.R. Jamali<br>Associate Prof. Orthopaedic Surgery | Chairman |
| 02.                     | Dr. Saleem Soomro<br>Associate Prof of Surgery         | Member   |
| 03.                     | Assistant Commissioner (South)                         | Member   |
| <u>Co-opted members</u> |  |          |
| 01.                     | Dr. M. Suleman<br>Deputy Director JPMC.                | Chairman |
| 02.                     | Accounts Officer, JPMC.                                | Member   |
| 03.                     | Mr. Riaz Gill, Administration, JPMC                    | Member   |

The TORs / Functions / Responsibilities of the Procurement committee in accordance with Rule-8 of SPP Rules 2010 shall be as under:

- Preparing bidding documents;
- Carrying out technical as well as financial evaluation of the bids;
- Preparing evaluation report as provided in Rule-45;
- Making recommendations for the award of contract to the competent authority;
- Perform any other function ancillary and incidental to the above.

SECRETARY HEALTH

No. SO(PM&I)2-1/16-17/PM-01(JPMCK):

Karachi, dated: 12<sup>th</sup> April, 2017

C.C to:

- The Managing Director, Sindh Public Procurement Regulatory Authority, Karachi
- The Executive Director, JPMC, Karachi with reference to her letter dated: 15-03-2017.
- The Chairman & all members of the Committee.
- The P.S. to Secretary Health.

  
(NAVEED AHMED SOOMRO)  
SECTION OFFICER (PM&I)



GOVERNMENT OF SINDH  
HEALTH DEPARTMENT

NOTIFICATION

No. SO(PM&I)2-1/16-17/PM-05(JPMC): In pursuance of Rule 31 of Sindh Public Procurement Rule 2010 (Amended 2017) the Government of Sindh Health Department is pleased to constitute a Complaint Redressal Committee (CRC) comprising the following Officers for scrutinizing the complaints of aggrieved bidders against tender inviting by Jinnah Postgraduate Medical Centre Karachi.

|     |  |          |
|-----|--|----------|
| 01. | Dr. Seemin Jamali, Executive Director, Jinnah Postgraduate Medical Centre Karachi. | Chairman |
| 02. | Representative from Accountant General Sindh Karachi.                              | Member   |
| 03. | Mr. Azhar Farooqui,<br>Former Federal Ombudsmen                                    | Member   |

TORs

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

SECRETARY HEALTH

No. SO(PM&I)2-1/16-17/PM-05(JPMC):

Karachi, dated: 10<sup>th</sup> April, 2017

C.C to:

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

  
(NAVEED ATIMED SOOMRO)  
SECTION OFFICER (PM&I)

# AD GUION

## Government of Sindh Jinnah Postgraduate Medical Centre Karachi-75510

# TENDER NOTICE

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**Dr. Seemin Jamali**  
Executive Director



حکومت سندھ

جنیٹل پوسٹل ڈیپارٹمنٹ میڈیکل سبڈیوژن

کراچی-75510

مختصر اطلاعیں

سندھ PPRR 2010 کی دفعہ (2) 46 میں دئے گئے طریقہ کار کے تحت سال 2017-18 کے لئے SNE کے ذریعے مشینری اور آلات کی خریداری کے لئے ایگزیکٹو ایکٹر JPMC، کراچی گورنمنٹ ہسپتالز میں۔

| ٹینڈر نمبر               | ٹینڈر کا معیار   | ٹینڈر کی رقم | ٹینڈر کی رقم | بوجھ کی تاریخ اور نمبر                |
|--------------------------|--|--------------|--------------|---------------------------------------|
| F.1-7/2017-18-AD(M)/JPMC | JPMC کے مختلف ڈپارٹمنٹ کے لئے SNE کے ذریعے مشینری اور آلات کی خریداری۔ | 1,000/- روپے | 27,675 ٹین   | 23-12-2017 کوٹ کی مٹی ایشیا کا 2.5 ٹن |
| F.1-6/2017-18-AD(M)/JPMC | JPMC کے مختلف ڈپارٹمنٹ کے لئے سازوسامان کی خریداری۔                    | 300/- روپے   | 5,500 ٹین    | 23-12-2017 کوٹ کی مٹی ایشیا کا 2.5 ٹن |

ٹینڈر دستاویزات (اشیاء فہرست اور شرائط و ضوابط) اس سائٹ کے کیشز سے ہر کیٹگری کی نقداوانگی کے ذریعے 2017-12-05 تا 2017-12-22 دفتری اوقات کار کے دوران کام دالے دنوں یعنی (میرتاہنت) خریدے جاسکتے ہیں۔ ٹینڈر اپڈیشن بلک کے سیمی روم میں 23-12-2017 کو صبح 09:00 بجے 11:00 بجے کے دوران جمع کئے جائینگے اور انہیں اسی دن صبح 11:30 بجے امیدواران کے نمائندگان کی موجودگی میں کھولے جائینگے۔ مزید تفصیلات کے لئے فون نمبر 99201300، 2548-2256، 2413 ایکسٹینشن نمبر۔

ورسٹاپ

ایگزیکٹو ڈائریکٹر

8398

INF-KRY-4910/17



فیض آباد ۾

# اسلام آباد ۾ ڌرتي ڦي

فیض آباد وٽ مذهبي پارٽين جي لڳڻ  
ڌرتو هٽندڙ رات جو ٻارھين وڳي تائين  
ڪارروائي دوران 11 ڄڻا گرفتار، جاچ لاءِ  
اسلام آباد هاءِ ڪورٽ ۾ ڌرتي بابت ڪيس  
ڊبل گير ڪيڏي پئي وڃي، هڪ طرف ججن  
عدالتي حڪم باوجود اڃا تائين ڌرتو ڇو  
ڪو وزير استائين جو وزيراعظم به ڪيئن عدالتي

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سال (87) پنچر 25 نومبر 2017 ع بمطابق 6 ربیع الاول 1439 هـ صفا 10- مله 10 رويہ شمارو (101)  
**PRINTED SIMULTANEOUSLY IN KARACHI, HYDERABAD & SUKkur**

Daily Ibrat Hyderabad  
Saturday 25th November 2017

1. استعمال ٿيل انس اسڪرپٽس (وزن 35000 کان 50000 هزار ڪلو گرام تقريبن).
2. نیوز پیپرز
3. ویست پیپرز
4. هیٺ ڄاڻايل تفصيلي اسڪرپ مٽیریل  
(اي اليڪٽریڪل ایپلیئنسز ۽ اليڪٽریڪل آئتمز  
بي مختلف قسم جون واٽز  
سي ڪمپیوٽر اسڪرپ  
ڊي ووڊن مٽیریل  
اي میٽل مٽیریل  
ایف) مسیلمینٽیس اسڪرپ آئتمز

ٽینڊر پروفارما فرم جي اوریجنل لیٽر هیڊ تي لکیل درخواست ساڻ ایڊهن جنرل سیڪشن جي آفیس ۾ 1000 روپين جي بي آرڊر جي صورت (ناقابل واپسي) سیکریٽري بورڊ آف انٽرمیڊیٽ ایجوکیشن ڪراچي جي مفاد ۾ ادا ڪرڻ تي ڪنهن به ڪم واري ڏينهن 28-11-2017 کان 13-12-2017 تائين صبح 10:00 وڳي کان شام 5:00 وڳي دوران حاصل ڪري سگهجن ٿا.  
واڪ 14-12-2017 تي منجهند 2:30 وڳي تائين جمع ڪندا، جيڪي ساڳئي ڏينهن منجهند 3:00 وڳي سندن واڪ ڏيندڙ يا سندن نمائندا جيڪي موقعي تي موجود هوندا جي آڏو کوليا ويندا.  
واڪ ساڻ شامل 150000 روپيا (اڪرن هڪ لک پنجاھ هزار روپيا فقط) جي بد سيڪيورٽي بي آرڊر جي صورت ۾ سیکریٽري بورڊ انٽرمیڊیٽ ایجوکیشن ڪراچي جي مفاد ۾ جمع ڪندا. لفاڻي تي استعمال شده انس اسڪرپٽس، نیوز پیپرز ویست پیپرز ۽ ٻئي اسڪرپ مٽیریل لاءِ واڪ لکندا.  
واڪ ساڻ ٽيڪس رجسٽريشن سرٽیفڪيٽ/انڪر ٽيڪس سرٽیفڪيٽ جي فوٽو ڪاپي شامل ڪندا.  
ايس بي بي آري رولز تحت پروڪيورنگ ایجنسي ڪوبه يا سمورا واڪ رد ڪري سگهي ٿي.

**ایڪٽنگ سیکریٽري**  
INF-KRY.NO.4918/2017  
SAY NO TO CORRUPTION  
ڪورشن جو خاتمو آڻين  
8 3 9 8

**پروانشل بلڊنگز ڊویزن نمبر III، ڪراچي**  
INF-KRY.NO.4893/2017  
SAY NO TO CORRUPTION  
ڪورشن جو خاتمو آڻين  
8 3 9 8

سنڌ حڪومت  
جناح پوسٽ گريجوئيٽ ميڊيڪل سينٽر، ڪراچي-75510

## ٽینڊر نوٽيس

سنڌ پهرا روز 2010 جي رول 46 (2) تحت سال 2017-18 لاءِ مشينري اينڊ ايڪيومينٽ جي ايس اين اي ذريعي خريداري ۽ انسٽرومينٽس جي خريداري لاءِ ايگزيڪيوٽو ڊائريڪٽر جي بي ايس سي ڪراچي پاران مھرنڊ ٽینڊر گھريل آهن.

| ٽینڊر نمبر                   | ٽینڊر جي ڪيٽيگري  | ٽینڊر آڱھ  | ٽینڊر جي ويليو | واڪ سيڪيورٽي ڪولڻ جي تاريخ      |
|------------------------------|---|------------|----------------|---------------------------------|
| F.I-7/2017-18<br>AD (M)/JPMC | جي بي ايس سي جي مختلف ڊپارٽمينٽس لاءِ SNE ذريعي مشينري ۽ ايڪيومينٽس جي خريداري. | 1000 روپيا | 27.675 (ملين)  | 23-12-17<br>ڪوٽيد آئتمز جو 2.5% |
| F.I-6/2017-18<br>AD (M)/JPMC | جي بي ايس سي جي مختلف ڊپارٽمينٽس لاءِ انسٽرومينٽس جي خريداري.                   | 300 روپيا  | 5.500 ملين     | 23-12-17<br>ڪوٽيد آئتمز جو 2.5% |

ٽینڊر دستاويز (اسمن جي فهرست ۽ شرط ۽ شرط) هن آفيس جي ڪيشيئر کان هر ڪيٽيگري لاءِ روڪ اڏائڻي تي 05-12-2017 کان 22-12-2017 تائين آفيس وقت دوران سمورن ڪمن وارن ڏينهن (سومر کان چنڇي) تائين خريد ڪري سگهجن ٿا. ٽینڊر ايڊمسٽريشن بلاڪ ۾ 23-12-2017 تي 9:00 وڳي صبح کان 11:00 وڳي تائين جمع ڪرائي سگهجن ٿا. ساڳيا ساڳئي ڏينهن 11:30 وڳي صبح جو فرم جي نمائندن جي ويريو کوليا ويندا. فون: 992101300 ايڪسٽنشن: 2548, 2256 تي رابطو ڪندا.

**ایگزيڪيوٽو ڊائريڪٽر**  
جي بي ايس سي، ڪراچي  
INF-KRY.NO.4910/2017

مصر جي سرڪاري ميڊيا پاران 200 نمازين جي شهيد ٿيڻ جي تصديق، واقعي بعد مصري صدر عبدالفتاح السيسي هنگامي اجلاس سڏائي ورتو. مصر جي شهر عريش پاران بحاليه وڃڻ کان پوءِ عريش (مائيٽرننگ ڊيسڪ) مصر جي صوبي صفا جي شهر عريش پاران بحاليه وڃڻ کان پوءِ ڪنٽرول ٿيڻ کان پوءِ 235 ڇهن وڌو.

ايڊيشنل آءِ جي اشرف نور آفيس پئي ويو ته مونسائيڪل سوار بمبار پاڻ کي ڌماڪي سان اڏائي ڇڏيو ڌماڪي ۾ آءِ جي اشرف نور ۽ سندس محافظ شهيد ٿي ويا. 4 ماڻهو زخمي ٿيا. پشاور (مائيٽرننگ ڊيسڪ) پشاور جي علائقي حيات آباد ۾ پوليس آفيسر جي گاڏي پريان پٽيا نمبر 6 ڏسو صفحو 2

GOVERNMENT OF SINDH  
JINNAH POSTGRADUATE MEDICAL CENTRE  
KARACHI



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**Tender for purchase of Instruments for various  
department of JPMC, Karachi for the year 2017-18**

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**Tender No. F.1-6/2017-18-AD(M)/JPMC**

**Due on: 23-12-2017**

TENDER DOCUMENT

TENDER NO.F.1-6/2017-18-AD(M)/JPMC

TENDER FOR THE PURCHASE OF INSTRUMENTS - JPMC, KARACHI  
DUE ON 23rd DECEMBER, 2017

|                         |   |
|-------------------------|---|
| COST OF TENDER          | Rs. 300/= (Rupees Three hundred only) non refundable        |
| TENDER SELLING DATE     | From 05th December, 2017 to 22 <sup>nd</sup> December, 2017 |
| TENDER SUBMISSION PLACE | AD(M) Office  |
| TENDER SUBMISSION DATE  | 23 <sup>rd</sup> December, 2017                             |
| TENDER SUBMISSION TIME  | 9.00 am to 11.00 am   |
| TENDER OPENING PLACE    | Committee Room, Najamuddin Auditorium, JPMC, Karachi        |
| TENDER OPENING DATE     | 23 <sup>rd</sup> December, 2017                             |
| TENDER OPENING TIME     | 11.30 am  |

***Note : No tender will be accepted after closing the Tender box,  
What so ever reason may be.***

***Note : No tender will be accepted after closing the Tender box,  
What so ever reason may be.***



**NO.F.1-6/2017-18-AD(M)/JPMC**  
GOVERNMENT OF SINDH  
JINNAH POSTGRADUATE MEDICAL CENTRE  
KARACHI-75510

**TERMS AND CONDITIONS**

**TENDER FOR THE PURCHASE OF INSTRUMENTS FOR VARIOUS  
DEPARTMENTS OF JPMC, KARACHI**

**Note : No tender will be accepted after closing the Tender box,  
What so ever reason may be.**

*Bidders are required to comply all the clauses mentioned in the Terms and Conditions of the Tender and any deviation will forbid them in competing for the tender*

1. Single Stage – Two Envelopes procedure as per SINDH **PPRA-2010 Rule 46(2)** will be followed (single stage two envelopes procedure) i.e. **TECHNICAL** and **FINANCIAL PROPOSAL** will be placed in separate sealed envelopes and marked accordingly These two envelopes should be placed in one envelope addressed to the Executive Director, JPMC, Karachi with Tender number and inserted in the tender box on scheduled date and time..
2. The **Technical Proposal** must contain original data sheet, technical brochure and all other relevant documents as mentioned in Annexure-I and photo copy of pay order/bank draft after hiding the amount..
3. In **Financial Proposal**, the vendor should submit only rate of the instrument/ items and a pay order or earnest money amounting to 2.50% value of the quoted items in favor of Executive Director, JPMC, Karachi otherwise, the bid will be rejected.
4. Earnest money should be in shape of pay order/bank draft. CDR/Bank guarantee or any other form of earnest money is not acceptable.
5. Bids shall remain valid for 90 days from the date of opening. A bid valid for a shorter period shall be rejected as being non-responsive.
6. The disclosure of firm's quoted rate in any manner at the time of opening of technical bid will result in the rejection of the item/bid.
7. The successful bidder will deposit security money in shape of pay order @ 10% of the total value of order in the name of Executive Director, JPMC, Karachi within Seven (7) days after the issue of award letter, which will be kept in Accounts Section of JPMC till the completion of the warranty period of equipment or execution of purchase order in case when item has no warranty.
- 7 The earnest money will be forfeited to Government Accounts in case of non-submission of security money within seven (7) days of receipt of the award letter.
8. Only manufacturer or sole agent can participate in the tender. In case of local manufacturer or his authorized agent can participate in the tender. Copy of authority letter in original for local manufacturer must be submitted. In case of non-submission, tender will be rejected.
9. The rate should be quoted in local currency on the FOR JPMC basis for local manufactured items and should be valid up to 30-06-2018. No escalations in rates are allowed in any case after submission of the tender.

10. The purchaser will initially open only the envelope marked "**Technical Proposal**" in the presence of vendors or their representatives who chose to be present at the time of bid opening date, time and place specified in the tender documents. The envelope marked "**Financial Proposal**" shall be retained in the custody of Purchaser without being opened till completion of the technical evaluation.
11. The bidder or their representative should be present at the time of opening of tender and shall sign the attendance sheet.
12. Delivery should be completed within allocated time from the date of issuance of purchase order.
13. The first scrutiny of technical bids will be performed by the procurement committee on the basis of the data sheet. literature and sample should be provided. Financial Proposal of only technically qualified firms will be opened.
14. Bids will be evaluated with following evaluation criteria:-
  - Only manufacturer / Sole agent and authorized agent for local manufacturer.
  - Financial standing (sealed envelope) from bank.
  - Specification compliance.
  - All mandatory document (as per Annexure-I)
15. Hand written tenders or any over writing, cutting, erasing will not be accepted and will be rejected.
16. The bidder will provide one (1) year warrantee with replacement.
17. The warranty period will commence from the date of receiving of the instrument.
18. The bidder shall submit with the bid, an **UNDERTAKING** on judicial paper of Rs. 100/= duly attested by Oath Commissioner, stating that the instrument to be supplied is brand new and of latest generation.
19. If bidder doesn't supply the Instruments in accordance with supply order or fails to supply according to terms and conditions or in case of any other breach of terms and condition of the tender, necessary action will be taken as per decision of competent authority.
20. If the vendor fails to supply the instrument within the stipulate period according to the terms and condition of the purchase order (delivery period), penalty will be imposed @ 0.1 % of the total value of equipment per day, subject to a maximum of 10 %. Otherwise their security money will be forfeited to Government Account and/or the firm will be black listed by the competent authority.
21. After satisfactory supply the vendor submit the Bill/Invoice in triplicate, along with three copies of delivery Challan, two copies of Inspection reports, copy of purchase order for payment.
22. Income tax and other taxes (if any) will be deducted according to existing Government Rules. JPMC is exempted for the payment of GST.
23. Conditional tender(s) will not be entertained.

24. Tender which does not fulfill the prescribed conditions according to the tender is liable to be rejected.
25. The Chairman, Procurement Committee reserves the right to reject or accept any / all tender(s) under the relevant provisions of SPPRA Rules 2010.
26. The Executive Director, JPMC, Karachi, reserve the right to increase or decrease the quantity mentioned in the tender and the decision will be final.

I / we agreed above mentioned terms & conditions:

Name of Contractor \_\_\_\_\_ Signature \_\_\_\_\_

Full address \_\_\_\_\_

Witness : \_\_\_\_\_

NIC # \_\_\_\_\_

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## **Annexure-I**

Following documents should be attached with Technical Proposal :

- i) Tender purchase receipt.
- ii) Technical Bid
- iii) Sole agency certificate from the foreign manufacturer or authorized agent of local manufacturer..
- iv) Active GST Registration Certificate
- v) Income Tax Registration Certificate.
- vi) Last year paid Income Tax Challan
- vii) Original Terms & Conditions duly signed and stamped.
- viii) Photocopy of pay order of earnest money after hiding the amount in the technical bid.
- ix) Financial position of firm (sealed bank letter)
- ix) Undertaking that firm has never been blacklisted or having pending litigation.
- x) Undertaking on judicial stamp paper of Rs. 100/=, as per clause # 18, dully attested by Oath Commissioner.

GOVERNMENT OF SINDH  
JINNAH POSTGRADUATE MEDICAL CENTRE  
KARACHI-75510

PURCHASE ORDER NO.AD(M)/9- /1/2016-17 DATED \_\_\_\_\_

M/s \_\_\_\_\_ Shahjahan Enterprises \_\_\_\_\_  
\_\_\_\_\_ Karachi \_\_\_\_\_

SUBJECT:= PURCHASE OF CUTTING INSTRUMENTS FOR UROLOGY,  
JPMC, KARACHI.

Dear Sir,

You are requested to supply the following items to this Centre as per terms and conditions on back page:-

TENDER NO.1-8/2016-17

| S.NO | DESCRIPTION                            | RATE PER            | QTY. REQ | TOTAL AMOUNT |
|------|--|---------------------|----------|--------------|
| 20.  | Urethral Dilators<br>(Shahjehan Enter) | Rs.1,560<br>Per Set | 04 Sets  | Rs.6,240     |

(Rupees Six thousand two hundred forty only)

( DR. ASSADULLAH )  
FOR EXECUTIVE DIRECTOR

(FOR UROLOGY DEPARTMENT)

Copy to:-

1. The Incharge, Instrument Section, JPMC, Karachi.

**TENDER NO.1-6/2017-18-AD(M)/JPMC**

GOVERNMENT OF SINDH  
JINNAH POSTGRADUATE MEDICAL CENTER  
KARACHI 75510

**TENDER FOR THE PURCHASE OF INSTRUMENTS FOR VARIOUS  
DEPARTMENT, JPMC, KARACHI.**

| Item No.    | NAME OF ITEM (SPECIFICATION)                       | Req. Qty.  |
|-------------|--|------------|
| Column 1    | Column - 2   | Column - 3 |
| <b>NOTE</b> | <b>ALL INSTRUMENTS MUST BE CE MARK</b>             |            |
|             | <b>Samples of Instruments provided to end user</b> |            |
|             | <b>NEPHROLOGY DEPARTMENT</b>                       |            |
| 1           | Kidney Tray Small                                  | 10 Nos     |
| 2           | Small Bowl   | 10 Nos     |
| 3           | Needle Holder Medium                               | 10 Nos     |
| 4           | Scissor Straight Medium                            | 10 Nos     |
| 5           | Tooth Forceps Medium                               | 10 Nos     |
|             |  |            |
|             | <b>C O T</b>                                       |            |
| 6           | Sponge Holder                                      | 50 Nos     |
| 7           | Suction Nozzle (Younger)                           | 20 Nos     |
| 8           | Kidney Trays small                                 | 20 Nos     |
| 9           | Bowls  | 20 Nos     |
| 10          | Cocker Clamp Curved                                | 50 Nos     |
| 11          | Plain Forceps Vascular                             | 30 Nos     |
| 12          | Right Angle Retractor Small                        | 20 Nops    |
| 13          | Babcock  | 30 Nos     |
| 14          | Curved Scissor Golden                              | 50 Nos     |
| 15          | Straight Scissor Golden                            | 50 Nos     |
| 16          | Towel Clips  | 100 Nos    |
| 17          | Cocker Clamp Straight                              | 50 Nos     |
| 18          | Allis Tissue Forceps                               | 100 Nos    |
| 19          | Morris Retractor                                   | 20 Nos     |
| 20          | Right Angle Retractor                              | 20 Nos     |
| 21          | Round Body Retractor                               | 20 Nos     |
| 22          | Catpaw Retractor                                   | 20 Nos     |
| 23          | Tooth Forceps                                      | 20 Nos     |
| 24          | Current Scope                                      | 20 Nos     |
| 25          | Artery Forceps Straight                            | 50 Nos     |
| 26          | Right Angle Retractor Medium                       | 30 Nos     |
| 27          | Skin Self Retractor Large                          | 10 Nos     |

|    |  |         |
|----|--|---------|
| 28 | Devers Retractor Diff Size   | 20 Nos  |
| 29 | Artery Forceps Curved  | 100 Nos |
| 30 | Needle Holder Golden   | 30 Nos  |
| 31 | Scissor Curved Long Golden   | 10 Nos  |
| 32 | Chittal Forceps  | 20 Nos  |
| 33 | Vascular Clamp Curved  | 10 Nos  |
| 34 | Lyhes Forceps  | 20 Nos  |
| 35 | LaRYNGEAL Scope Sets   | 04 Sets |
|    |  |         |
|    | <b>SURGICAL WARD-26</b>  |         |
|    |  |         |
| 36 | Curved Cutting Scissors  | 06 Nos  |
| 37 | Straight Cutting Scissors  | 06 Nos  |
| 38 | Forceps Plain  | 06 Nos  |
| 39 | Medium Artery Forceps  | 12 Nos  |
| 40 | Needle Holders   | 06 Nos  |
| 41 | Clip Applicator (Karl Storz)   | 01 No   |
| 42 | Laparoscopic Scissors (Karl Storz)                                   | 01 No   |
| 43 | Curved Grasper (Maryland) (Karl Storz)                               | 01 No.  |
|    |  |         |
|    | <b>ACCIDENT &amp; EMERGENCY DEPARTMENT</b>                           |         |
|    |  |         |
| 44 | Tooth Forceps  | 200 Nos |
| 45 | Needle Holder  | 200 Nos |
| 46 | Dressing Scissors  | 200 Nos |
| 47 | Kidney Tray  | 50 Nos  |
|    |  |         |
|    | <b>ORTHOPEDIC OPD</b>  |         |
|    |  |         |
| 48 | Plaster Cutter Electric/Battery Heavy Duty<br>(Dong Ghen or similar) | 04 Nos  |
| 49 | Plaster Citter Blade Heavy Duty                                      | 04 Nos  |
| 50 | Plaster Cutter Spreader Heavy Duty                                   | 04 Nos  |
| 51 | Plaster Cutting Scissors Heavy Duty                                  | 04 Nos  |
| 52 | Dressing Scissors  | 10 Nos  |
|    |  |         |
|    | <b>NEUROSURGERY DEPARTMENT</b>                                       |         |
|    |  |         |
| 53 | <b>Craniotomy Set</b>  | 05 Sets |
|    | <b>consisting of :-</b>  |         |
|    | a) Bowel Large (2) & Small (1)                                       | 12      |
|    | b) Towel Clips   | 24      |
|    | c) Plain Forceps (Dura)  | 04      |
|    | d) Bone Elevator   | 04      |
|    | e) Sponge Holder   | 08      |
|    | f) Gigly Saw Handle  | 12      |

|    |                                      |    |                |
|----|--------------------------------------|----|----------------|
|    | g) Brain Needle                      | 08 |                |
|    | h) B.P. Handle No.4                  | 08 |                |
|    | i) B.P. handle No.7                  | 04 |                |
|    | j) Guide or Passer                   | 02 |                |
|    | k) Suction Nozle No.7                | 06 |                |
|    | l) Suction Nozle No.12               | 06 |                |
|    | m) Plain Forceps                     | 08 |                |
|    | n) Tooth Forceps                     | 08 |                |
|    | o) Tooth Forceps Dura                | 08 |                |
|    | p) W/C Disector                      | 02 |                |
|    | u) Bone Nibler Double Action         | 08 |                |
|    | v) Needle Holder                     | 06 |                |
|    | w) Self Retaining Retractor          | 08 |                |
|    | x) Brain Retractor                   | 16 |                |
|    | y) Crescent Punch                    | 08 |                |
|    | z) Scissors Straight                 | 02 |                |
|    | aa) Scissors Dura Curved             | 06 |                |
|    | ab) Rubber Washer                    | 16 |                |
|    | ac) Artery Hanger                    | 08 |                |
|    | ad) S.S. Tray (Large)                | 04 |                |
|    | ae) Plain Forceps (Dura)             | 04 |                |
|    | af) Yankauar Suction Nozle           | 05 |                |
|    |                                      |    |                |
|    |                                      |    |                |
| 54 | <b>Laminectomy Set in emergency</b>  |    | <b>05 Sets</b> |
|    | a) Double Action Bone Nibler         | 08 |                |
|    | b) Double Action Bone Duck Bell      | 08 |                |
|    | c) Narrow Bone Nibbler               | 08 |                |
|    | d) Self Retaining Retractor(Stright) | 03 |                |
|    | e) Self Retaining Retractor(Curved)  | 04 |                |
|    | f) Self Retaining Retractor(large)   | 04 |                |
|    | g) Kidney Tray                       | 04 |                |
|    | h) Bowl                              | 08 |                |
|    | i) B.P. Handle No.4                  | 04 |                |
|    | j) B.P. Handle No.7                  | 04 |                |
|    | k) Towel Clip                        | 12 |                |
|    | l) Sponge Holding Forceps            | 04 |                |
|    | m) Scissors (Curved) Large           | 04 |                |
|    | n) Scissors Dura                     | 04 |                |
|    | o) Scissors Straight                 | 04 |                |
|    | p) Plain forceps                     | 04 |                |
|    | q) Tooth Forceps                     | 04 |                |



|    |   |    |                |
|----|---|----|----------------|
|    | r) Austitone Large  | 04 |                |
|    | s) S.S. Tray (Large)  | 02 |                |
|    | t) Self Retaining Retractor (Deep)  | 04 |                |
|    |   |    |                |
| 55 | <b>Shunt Rod Set</b>  |    | <b>03 Sets</b> |
|    | <b>consisting of :-</b>   |    |                |
|    | i) Shunt Rod (small)  | 02 |                |
|    | ii) Shunt Rod (medium)  | 02 |                |
|    | iii) Shunt Rod (large)  | 02 |                |
|    | iv) Sinus Forceps   | 06 |                |
|    | v) Fine Cat paw Retractor   | 04 |                |
|    | vi) Bull dog clamp  | 06 |                |
|    | vii) Truqar Cannula   | 04 |                |
|    |   |    |                |
|    |   |    |                |
| 56 | Hardly Disposable Bayonet Bipolar Forceps (insulated)<br>* 8 1/2 (215mm) smooth * 4 1/2 (115mm) working<br>length * 1.5mm with 12" cord 10/per    |    | 06 Nos         |
| 57 | Hardly Disposable Bayonet Bipolar Forceps (insulated)<br>* 8 1/2 (215mm) smooth * 4 1/2 (115mm) working<br>length * 0.5mm with 12" cord 10/per    |    | 06 Nos         |
| 58 | Hardly Disposable Bayonet Bipolar Forceps (insulated)<br>* 7 1/2 (190mm) smooth * 3 1/2 (90mm) working length<br>* 0.7mm tip with 12" cord 10/per |    | 06 Nos         |
| 59 | Scoville Disposable Bayonet Bipolar Forceps (insulated)<br>* 7 3/4 (215mm) smooth * 2 3/4 (115mm) working   |    | 06 Nos         |
|    |   |    |                |
|    |   |    |                |
|    | <b>NPCC WARD-5</b>  |    |                |
|    |   |    |                |
| 60 | Artery Forceps  |    | 40 Nos         |
| 61 | Sponge Holder   |    | 40 Nos         |
| 62 | Kidney Tray Large   |    | 04 Nos         |
| 63 | Kidney Tray Small   |    | 10 Nos         |
| 64 | Bowl Large  |    | 05 Nos         |
| 65 | Bowl Small  |    | 05 Nos         |
| 66 | Medicine Tray Large   |    | 01 No          |
| 67 | Medicine Tray Small   |    | 01 No          |
| 68 | Scissor Large   |    | 02 Nos         |
| 69 | Scissor Small   |    | 10 Nos         |
| 70 | Tongue Depressor metal  |    | 10 Nos         |
| 71 | Mouth Gag Metal   |    | 03 Nos         |
| 72 | Needle Cutter   |    | 04 Nos         |
| 73 | Endoscopic Biopsy Forceps   |    | 10 Nos         |
|    |   |    |                |
|    |   |    |                |



| <b>NEUROSURGERY OPD</b>        |   |         |
|--------------------------------|---|---------|
| 74                             | Tooth Forceps   | 02 Nos  |
| 75                             | Plain Forceps   | 02 Nos  |
| 76                             | Scissors (Medium)                                       | 02 Nos  |
| 77                             | Stich Remove Scissor                                    | 02 Nos  |
| 78                             | Artery Forceps  | 02 Nos  |
|                                |   |         |
|                                |   |         |
| <b>HOSPITAL</b>                |   |         |
| 79                             | POP Cutter with Blade (Japan/Germany/USA or equivalent) | 06 Nos  |
| 80                             | Laryngoscope with 4 Blade                               | 10 Nos  |
|                                |   |         |
| <b>PLASTIC SURGERY WARD-24</b> |   |         |
| 81                             | Skin Grafting Knife<br>(Watson or equivalent)           | 03 Nos  |
| 82                             | Dingman Mouth Gag                                       | 02 Nos. |
|                                |   |         |
| <b>UROLOGY O.T.</b>            |   |         |
| 83                             | Urethral Dilators (set of 4 pcs)                        | 04 Sets |

**GOVERNMENT OF SINDH  
JINNAH POSTGRADUATE MEDICAL CENTRE  
KARACHI**



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**Tender for purchase of Machinery & Equipment  
through SNE for various department of JPMC,  
Karachi for the year 2017-18**

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**Tender No. F.1-7/2017-18-AD(M)/JPMC**

**Due on: 23-12-2017**

TENDER DOCUMENT

TENDER NO.F.1-7/2017-18-AD(M)/JPMC

TENDER FOR THE PURCHASE OF MACHINERY/ EQUIPMENT THROUGH (SNE) FOR  
VARIOUS DEPARTMENTS OF JPMC, KARACHI  
DUE ON 23<sup>rd</sup> DECEMBER, 2017

|                         |   |
|-------------------------|---|
| COST OF TENDER          | Rs. 1000/= (Rupees One thousand only) non refundable                    |
| TENDER SELLING DATE     | From 05 <sup>th</sup> December, 2017 to 22 <sup>nd</sup> December, 2017 |
| TENDER SUBMISSION PLACE | AD(M) Office  |
| TENDER SUBMISSION DATE  | 23 <sup>rd</sup> December, 2017   |
| TENDER SUBMISSION TIME  | 9.00 am to 11.00 am   |
| TENDER OPENING PLACE    | Committee Room, Najamuddin Auditorium, JPMC, Karachi                    |
| TENDER OPENING DATE     | 23 <sup>rd</sup> December, 2017   |
| TENDER OPENING TIME     | 11.30 am  |

***Note : No tender will be accepted after closing the Tender box,  
What so ever reason may be.***

**NO.F.1-7/2017-18-AD(M)/JPMC**  
GOVERNMENT OF SINDH  
JINNAH POSTGRADUATE MEDICAL CENTRE  
KARACHI-75510

TERMS AND CONDITIONS

TENDER FOR THE PURCHASE OF MACHINERY/EQUIPMENT THROUGH (SNE) FOR  
VARIOUS DEPARTMENTS OF JPMC, KARACHI FOR THE YEAR 2017-18

***Note : No tender will be accepted after closing the Tender box,  
What so ever reason may be.***

*Bidders are required to comply all the clauses mentioned in the Terms and Conditions of the Tender and any deviation will forbid them in competing for the tender*

1. Single Stage – Two Envelopes procedure as per SINDH **PPRA-2010 Rule 46(2)** will be followed (single stage two envelopes procedure) i.e. **TECHNICAL** and **FINANCIAL PROPOSAL** will be placed in separate sealed envelopes and marked accordingly These two envelopes should be placed in one envelop addressed to the Executive Director, JPMC, Karachi with Tender number and inserted in the tender box on scheduled date and time.
2. The **Technical Proposal** must contain original data sheet, technical brochure and all other relevant documents as mentioned in Annexure-I and photo copy of pay order/bank draft after hiding the amount.
3. In **Financial Proposal**, the vendor should submit only rate of the equipment/ items and a pay order or earnest money amounting to 2.50% value of the quoted items in favor of Executive Director, JPMC, Karachi otherwise, the bid will be rejected.
4. Earnest money should be in shape of pay order/bank draft. CDR/Bank guarantee or any other form of earnest money is not acceptable.
5. Bids shall remain valid for 90 days from the date of opening. A bid valid for a shorter period shall be rejected as being non-responsive.
6. The disclosure of firm's quoted rate in any manner at the time of opening of technical bid will result in the rejection of the item/bid.
7. The successful bidder will deposit security money in shape of pay order @ 10% of the total value of order in the name of Executive Director, JPMC, Karachi within Seven (7) days after the issue of award letter, which will be kept in Accounts Section of JPMC till the completion of the warrantee period of equipment or execution of purchase order.
8. The earnest money will be forfeited to Government Accounts in case of non-submission of security money within seven (7) days of receipt of the award letter.
9. The rate of items which are mentioned in **LIST-A** must be quoted in local currency both on **CIF Basis (cost insurance and freight)** and **FOR (JPMC) basis**. If rates of only **CIF or FOR** are quoted of not both, the tender will not considered, for items mentioned in **LIST-B** are quoted only **FOR (JPMC) basis**. The rate should be valid up to 30-06-2018. No escalations in rates are allowed in any case after submission of the tender.

10. Only manufacturer or sole agent (for foreign manufacturer) can participate in the tender. In case of local manufacturer authorized agent can participate in the tender. Copy of valid Sole agency certificate for foreign manufacturer and authority letter in original for local manufacturer must be submitted. In case of non-submission, tender will be rejected.
11. The purchaser will initially open only the envelope marked "**Technical Proposal**" in the presence of vendors or their representatives who chose to be present at the time of bid opening date, time and place specified in the tender documents. The envelope marked "**Financial Proposal**" shall be retained in the custody of Purchaser without being opened till completion of the technical evaluation.
12. The bidder or their representative should be present at the time of opening of tender and shall sign the attendance sheet.
13. Delivery should be completed within allocated time from the date of issuance of purchase order.
14. The Vendor should submit Data Sheet according to the Tender Specifications Format mentioned in the tender document and highlight the tender specifications in their Technical Data Sheet/Literature. Additional Feature can be recorded separately.
15. The first scrutiny of technical bids will be performed by the procurement committee on the basis of the data sheet and literature provided. Financial Proposal of only technically qualified firms will be opened.
16. Bids will be evaluated with following evaluation criteria:-
  - Only manufacturer / Sole agent and authorized agent for local manufacturer.
  - The vendor should have proper workshop, office and list of trained Engineers & tools and Biomedical equipped with necessary have skilled staff.
  - Financial standing position (sealed envelope)from bank.
  - Specification compliance.
  - All mandatory document (as per Annexure-I)
  - After sale services facility.
17. The equipment offered must be the latest version/generation and in case the old model is offered, it will not be considered, even though it is as per the tender specifications.
18. The bidder will provide two years warrantee for List-A from manufacturer along with replacement of parts free of cost, and one year warrantee for List-B with free of cost replacement. In case of fault of machine the vendor will replace machine with new machine
19. The warranty period will commence from the date of commissioning of the equipment, as per report of the end user and technical person.
20. The bidder must provide complete details of their financial standing, and list 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 personnel.

21. All equipment to be supplied should be accompanied with operation and service/ maintenance and schematic diagram (if any) and spare parts list, manual in English language.
22. Hand written tenders or any over writing, cutting, erasing will not be accepted and will be rejected.
23. The bidder shall submit with the bid, an **UNDERTAKING** on judicial paper of Rs. 100/= duly attested by Oath Commissioner, stating that the equipment to be supplied is brand new and of latest generation, free from defects in design material and workmanship and will bind himself for availability of spares for a period of 8 years from the date of supply. In case of winding up of business, the supplier shall be bound to make an alternate arrangement of spares and maintenance of equipment. In case of default, necessary action will be taken as per decision of competent authority.
24. Vendor will be responsible for routine pre-requisite installation free of cost.
25. Equipment will be handed over to the Instrument Section, JPMC, Karachi, through end-user with Delivery Challan to the Assistant Director (Medical).
26. If bidder 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 breach of terms and condition of the tender, necessary action will be taken as per decision of competent authority.
27. If the vendor fails to supply, install and commissioning the equipment according to the terms and condition of the purchase order within the stipulated period (delivery period), penalty will be imposed @ 0.1 % of the total value of equipment per day, subject to a maximum of 10 %. Otherwise their security money will be forfeited to Government Account and/or the firm may be black listed by the competent authority.
28. After satisfactory installation and commissioning of the equipment of LIST-B the vendor submit the Bill/Invoice in triplicate, along with three copies of delivery Challan, three copies of installation/commissioning reports, copy of purchase order.
29. The payment will be made after receiving the satisfactory installation and commissioning report from the HOD/Incharge of User Department through AG Sindh, Karachi.
30. Income tax and other taxes (if any) will be deducted according to existing Government Rules. JPMC is exempted for the payment of GST.
31. Conditional tender(s) will not be entertained.
32. Equipment should be FDA approved or CE marked where applicable.
33. Tender which does not fulfill the prescribed conditions according to the tender is liable to be rejected.
34. The vendor shall submit the bill/invoice for payment of items mentioned in LIST-A addressed to the Executive Director, JPMC, Karachi after opening the L/C alongwith three of copies of Bills/Invoice, Undertaking on Stamp Paper, Three copies of purchase orders and L/C documents alongwith other related documents (Performa Invoice and Insurance).

35. The service manual with circuit diagram must be provided with quoted mentioned item,
36. The supplier will be bound to train nominated technical personnel to operate the supplied equipment.
37. Profile of the technical staff and address of the Bio-Medical workshop as well as list of hospitals in which the quoted equipment are working must be attached.
38. The Executive Director, JPMC, Karachi, reserve the right to increase or decrease the quantity mentioned in the tender and the decision will be final.
39. The Chairman, Procurement Committee reserves the right to reject or accept any/all tender(s) under the relevant provisions of SPPRA Rules 2010

I / we agreed above mentioned terms & conditions:

Name of Contractor \_\_\_\_\_ Signature \_\_\_\_\_

Full address \_\_\_\_\_

Witness : \_\_\_\_\_

NIC # \_\_\_\_\_

---

## **Annexure-I**

Following documents should be attached with Technical Proposal :

- i) Tender purchase receipt.
- ii) Technical Bid
- iii) Sole agency certificate from the foreign manufacturer or authorized agent of local manufacturer..
- iv) Active GST Registration Certificate
- v) Income Tax Registration Certificate.
- vi) Last year paid Income Tax Challan
- vii) Original Terms & Conditions duly signed and stamped.
- viii) Original literature.
- ix) Photocopy of pay order of earnest money after hiding the amount in the technical bid.
- ix) List of Institutions to whom similar equipment/instrument is supplied in Pakistan.
- x) Undertaking on judicial stamp paper of Rs. 100/=, as per clause # 23.
- xi) Financial position of firm (sealed bank letter)
- xii) Undertaking that firm is not blacklisted or having pending litigation.

**INSTRUCTION FOR PURCHASE ON CIF (cost, insurance and freight) BASIS.**

Following instructions will be followed, If purchase order place on CIF basis

- i) JPMC will issue contract/purchase order. The vendor will carry out all works regarding the import of equipment i.e. from opening of L/C to delivery and installation of equipment.
- ii) The vendor have to open Letter of Credit in the name of Executive Director, JPMC, Karachi for item(s) as per purchase. A copy of all documents should be submitted to JPMC time to time. JPMC is duly consignee of the equipment.
- iii) JPMC will assist the vendor in clearing the consignment, JPMC will provide Undertaking and other letter for the exemption of the payment of Sale Tax, Customs charges, Income Tax and other taxes applicable on such import.
- iv) The rate of conversion will consider on the opening date of the of Technical Bid it will be calculated on selling rate.



**TENDER NO.1-7/2017-18-AD(M)/JPMC**

GOVERNMENT OF SINDH  
JINNAH POSTGRADUATE MEDICAL CENTER  
KARACHI 75510

**TENDER FOR THE PURCHASE OF MACHINERY/ EQUIPMENT THROUGH (SNE) FOR VARIOUS DEPARTMENT, JPMC, KARACHI. DUE ON 23-12-2017**

| Item No. | NAME OF ITEM (SPECIFICATION)  | Req. Qty.  |
|----------|---|------------|
| Column   | Column - 2  | Column - 3 |
|          | <b>LIST-A</b>   |            |
| <b>1</b> | <b>Anaesthesia Machine with Ventilator</b>  | <b>6</b>   |
|          | <b>Make &gt;&gt;</b>  |            |
|          | <b>Model &gt;&gt;</b>   |            |
|          | <b>Sole Agent In Pakistan&gt;&gt;</b>   |            |
|          | Anaesthesia Machine with built-in ventilation   |            |
|          | Should be microprocessor integrated anaesthesia machine   |            |
|          | Ventilation monitor should be 10" or more TFT touch screen display  |            |
|          | Three gas configuration of oxygen, nitrous oxide and air  |            |
|          | Protected emergency O2 flush valve, (should give a flow rate of at least 25 L/min)                        |            |
|          | Capable gas driven unit   |            |
|          | Pipe line and cylinder gauges for oxygen, nitrous oxide and air   |            |
|          | Integrated audio-visual pneumatic oxygen alarm  |            |
|          | Oxygen failure device, should give a signal which is audible and distinctive character                    |            |
|          | Mechanical anti hypoxic device  |            |
|          | Delivery system on-off switch   |            |
|          | Two stations selectatic back bar for mounting of vaporizer  |            |
|          | Vapourizer should be provided by the same manufacture as the anaesthesia machine and built in ventilation |            |
|          | Fresh gas outlet for spontaneous ventilation with breathing circuits                                      |            |
|          | Base lockable, top shelf display monitoring   |            |
|          | Work surface with minimum 2 drawer unit   |            |
|          | Dual display of pressure v/s time, volume v/s time, or pressure v/s volume wave                           |            |
|          | Menu selected pre-used compliance and leak self check   |            |
|          | Battery backup should not be less than 90 minutes or more   |            |
|          | <b>Absorber</b>   |            |
|          | <b>CO2 Absorber</b>   |            |
|          | Should be reusable absorber canister  |            |
|          | Absorber capacity minimum 1.5 L Soda Lime absorbable volume   |            |
|          | <b>Rota Meter</b>   |            |
|          | Cascade flow meter tubes for O2, N2O and air  |            |
|          | Illuminated flow meter bank fitted as standard  |            |
|          | <b>Ventilation</b>  |            |

|          |  |          |
|----------|--|----------|
|          | Adult and pediatric, multipurpose anaesthesia ventilation  |          |
|          | PCV  |          |
|          | VCV  |          |
|          | SIMV   |          |
|          | PSV  |          |
|          | Automatic Switching of the ventilator from active ventilation mode to Spontaneous mode   |          |
|          | Electronic PEEP  |          |
|          | Inverse I:E ratio capability   |          |
|          | <b>Country of Origin: USA &amp; UK or equivalent</b>   |          |
|          |  |          |
| <b>2</b> | <b>ICU Ventilator</b>  | <b>7</b> |
|          | <b>Make &gt;&gt;</b>   |          |
|          | <b>Model &gt;&gt;</b>  |          |
|          | <b>Sole Agent In Pakistan&gt;&gt;</b>  |          |
|          | <b>VENTILATION MODES:</b>  |          |
|          | (S)CMV+/APVcmv, PCV+(biphasic), SIMV+/APVsimv, SPONT, P-SIMV+, NIV, NIV-ST, DuoPAP and APRV, close loop ventilation mode                                     |          |
|          | <b>Patient Type</b>  |          |
|          | Should include paed, Adult   |          |
|          | <b>Tidal volume starting from 20ml upto at least 2000ml</b>  |          |
|          | PEEP and CPAP ranges from 0 cmH2) not less than 35cm H2O   |          |
|          | <b>Integrated CO2 module option should be present and quote separately</b>   |          |
|          | <b>High flow oxygen therapy option should be present and quote separately</b>  |          |
|          | <b>Event Log:</b>  |          |
|          | Storage and display of not less than 1000 events with date and time  |          |
|          | <b>Ventilation Cockpit:</b>  |          |
|          | <b>Dynamic Lung:</b> Should show real time visualization of the lungs with representations of tidal volume, lung compliance, resistance and patient activity |          |
|          | <b>Vent Status:</b> Visual representation of the ventilator dependency Adaptive Support Ventilation target graphics  |          |
|          | Not less than 41 monitoring parameters   |          |
|          | <b>Real time waveforms:</b> Simultaneous display of Paw, Flow, Volume, Ptrachea, CO2   |          |
|          | <b>Loops:</b> Display of P-V, V-Flow, P-Flow, V-FCO2, V-PCO2   |          |
|          | <b>Trending:</b> Simultaneous display of 4 parameter trends for 1, 6, 12, 24, or 72 hours  |          |
|          | <b>Power Supplies:</b>   |          |
|          | Should have battery back of 2 hours for complete system i-e- with turbine or compressor  |          |
|          | <b>Physical Dimensions:</b>  |          |
|          | Should have display of 12" or more, with touch screen  |          |
|          | <b>To be supplied with</b> disposable patient breathing circuits for Adult and paed supporting arm and original trolley                                      |          |
|          | <b>Country of Origin: EEC, USA, Japan or equivalent</b>  |          |
|          |  |          |

|    |  |  |
|----|--|--|
| 3  | <b>Diathermy Machine with Biopolar 400W</b>  | 8  |
|    | <b>Make &gt;&gt;</b>   |  |
|    | <b>Model &gt;&gt;</b>  |  |
|    | <b>Sole Agent In Pakistan&gt;&gt;</b>  |  |
|    | <b>Features</b>  |  |
|    | Monopolar spray coagulation  |  |
|    | Endo Mode time control cutting   |  |
|    | bipolar On/Off automatic function  |  |
|    | Integrated patient control system (PCS)  |  |
|    | Power peak the power boost for "cutting under water"   |  |
|    | Monopolar cutting and coagulation using the foot switch  |  |
|    | Forced prep "Forced coagulation current enabling fast coagulation"   |  |
|    | <b>Technical Specification</b>   |  |
|    | Cutting 1 (Pure)   | 400W                                       |
|    | Cutting 2 (Bend)   | 300W                                       |
|    | Cutting 3 (Super blend)  | 200W                                       |
|    | Forced Prep  | 120W                                       |
|    | Endo Mode  | 100W                                       |
|    | Contact Coagulation  | 250W                                       |
|    | Spray Coagulation  | 120W                                       |
|    | Biopolar Coagulation   | 400W                                       |
|    | Sound level<br>Db Alarm:65 dB(A)   | HF Current activation:40-65                |
|    | Weight   | 8.6 K.g                                    |
|    | Interference suppression   | Limits in conformity with EN 55011         |
|    | Interference immunity in conformity with IEC 801   |  |
|    | CE Marking   | According to 93/42/EEC                     |
|    | Power requirements   | 220-240V, 50-60Hz                          |
|    | Protection Class   | I  |
|    | Classified acc to MDD  | II b                                       |
|    | Leakage Current  | LF/HF in compliance with IEC 601, part 2-2 |
|    | Type   | CF, Defibrillation-proof                   |
|    | Nominal frequency  | 450 KHz                                    |
|    | Modulation   | 30 KHz                                     |
|    | <b>Consisting of:</b>  |  |
| a) | Electrode handle 2 switch, 5 M Cable   |  |
| b) | Knife Electrode  |  |
| c) | Rubber patient plate (NE Electrode) 15+26cm, cable 3m  |  |
| d) | Non stick red forceps straight blunt, 2.0mm, 20mm  |  |
| e) | Bipolar Cable 5 M  |  |
| f) | Foot switch double pedal explosion & anaesthetics proof (AP tested)  |  |
| g) | Trolley (Local best quality) Trolley powder coated rides on 4 antistatics dual wheels 2 equipped with locking (front) 2 fixed shelves, 1 drawer unit with lock |  |
|    | <b>Country of Origin: UK/USA/Germany or equivalent</b>   |  |

|          |   |          |
|----------|---|----------|
| <b>4</b> | <b>O.T Table Electro Hydraulic</b>  | <b>3</b> |
|          | <b>Make &gt;&gt;</b>  |          |
|          | <b>Model &gt;&gt;</b>   |          |
|          | <b>Sole Agent In Pakistan&gt;&gt;</b>   |          |
|          | Static work load should be = 450 kg   |          |
|          | Dynamic work load 220 kg width of table top (withou side rails) should be 520mm |          |
|          | Width of table top (with side rails) should be 580mm                            |          |
|          | side rail dimension should be 25x10/1x0.4mm /inch                               |          |
|          | X-Ray window A-Position should be 1285x348mm                                    |          |
|          | X-Ray window B-Position should be 1135x348 mm                                   |          |
|          | Column moving range (high & low) should be 370mm                                |          |
|          | Table top slide should be 300/11.8mm/inch                                       |          |
|          | Width table pad (without dedicated accessories) 625x520mm                       |          |
|          | Wheels diameter should be 125mm   |          |
|          | Trendelenburg/Reversed Trendelenburg should be 30 degree                        |          |
|          | Lateral tilting left/right should be 20 degree                                  |          |
|          | Short plate up should be 80 degree  |          |
|          | Short plate down  |          |
|          | Dedicated Accessories   |          |
|          | Width head rest pad should be 270x520mm   |          |
|          | Width intermediate plate long pad should be 545x520mm                           |          |
|          | Width intermediate plate short pad should be 395x520mm                          |          |
|          | Width leg plate one-piece pad should be 697x520mm                               |          |
|          | Width leg plate 2-parts pads 697x255mm  |          |
|          | Head rest up should be Manual 45 degree   |          |
|          | Head rest down should be Manual 45 degree                                       |          |
|          | Leg plate up should be Electrical/Manual 20 degree                              |          |
|          | Leg plate down should be Electrical/Manual 90 degree                            |          |
|          | Length of the head rest should be Manual 321mm                                  |          |
|          | Length of the intermediate plate short should be Electrical 419mm               |          |
|          | Length of the intermediate plate long should be Electrical 721mm                |          |
|          | Length of the leg plate one-piece should be electrical/Manual 721mm             |          |
|          | Length of the leg plate 2-part should be Electrical/Manual 721mm                |          |
|          | Function & Features   |          |
|          | Should have lateral tilting left/right  |          |
|          | Should have Direction control / Drive unit                                      |          |
|          | Should have Emergency (panel) system, electro hydraulic manual override         |          |
|          | Should have level Function (zero position)                                      |          |
|          | Should have Maintenance Free Battery  |          |
|          | Should have Column electro hydraulic up/down                                    |          |
|          | Should have sliding   |          |
|          | Should have Battery status on hand control                                      |          |
|          | Should have Colored touch screen, hand control                                  |          |

|          |  |          |
|----------|--|----------|
|          | Should have Free programmable memory positions   |          |
|          | Should have Trendelenburg/Reversed Trendelenburg   |          |
|          | should have Wireless hand control (Bluetooth)  |          |
|          | Should have Radiolucent table top  |          |
|          | <b>Contry of Origin: UK/USA/Europe or equivalent</b>   |          |
|          |  |          |
|          |  |          |
| <b>5</b> | <b>O.T Table for Orthopedic Surgery</b>  | <b>1</b> |
|          | <b>Make &gt;&gt;</b>   |          |
|          | <b>Model &gt;&gt;</b>  |          |
|          | <b>Sole Agent In Pakistan&gt;&gt;</b>  |          |
|          | <b>Feature</b>   |          |
|          | Specifically designed to enhance reduction and fixation of acetabular and pelvic fractures. Benefits of the table can be an easier reduction, making closed reduction possible, making open reduction possible through a lesser approach, and making the most difficult reductions possible at all. The narrow contact area the table makes with the pelvic area also enhances access. |          |
|          | Unobstructed radiolucent pelvic table area   |          |
|          | Radiolucent Leg Spar   |          |
|          | Unrestricted C-Arm Access  |          |
|          | Aids surgeon with articulation of torso and legs   |          |
|          | Low table profile for easy patient transfer  |          |
|          | Patient weight capacity 450 lbs (205 kg)   |          |
|          | <b>Standard Features:</b>  |          |
|          | Carbon Fiber Table Top   |          |
|          | Automatic Power Floor Locks  |          |
|          | Built-in standard OR side accessory rails  |          |
|          | Stainless steel base   |          |
|          | Spherical Spatial Positioning System (SSPS)  |          |
|          | Supine, lateral, and nprone position capabilities  |          |
|          | Traction accessories for all positions   |          |
|          | 2 in (5cm) Tempure-Pedic Medical Table Top Pad   |          |
|          | Patient Safety Strap   |          |
|          | <b>Technical Specifications :</b>  |          |
|          | Patient Weight Capacity                      450 lbs (205 kg)  |          |
|          | Table top Width                                      21 in (53cm)  |          |
|          | Table Top Length                                  62 in - 149 in (155cm-378cm)   |          |
|          | Table Top Height Range                        31" to 41" (79cm - 104cm)  |          |
|          | Leg Spar Articulation                            35 degree Up/Down 20 degree adduction,<br>45 degree abduction   |          |
|          | Spar Mount Translation                        8.5" (21cm) each side  |          |
|          | Lateral Tilt    +- 20 degree right / left  |          |
|          | Trend/Reverse Trend                            +- 15 degree  |          |
|          | Power Supply                                        200-230 V, 50/60 MHz   |          |



|    |  |  |
|----|--|--|
|    | <b>Standard Components :</b>               |  |
| 1  | Public Lateral Positioner                  |  |
| 2  | Shoulder/Sacral Pad Assembly (2)           |  |
| 3  | Clark Socket (3)                           |  |
| 4  | Side RailClamp (3)                         |  |
| 5  | Patient Safety Strap (2)                   |  |
| 6  | Traction Unit                              |  |
| 7  | Tibia Traction Upright                     |  |
| 8  | Accessory Clamp (3)                        |  |
| 9  | Well Leg Holder                            |  |
| 10 | Cross Arm Support with pad                 |  |
| 11 | Drape Hanger Upright (2)                   |  |
| 12 | Drape Hanger Top Rail, Foot-End            |  |
| 13 | Drape Hanger Top Rail, Head-End            |  |
| 14 | Articulated Bracket                        |  |
| 15 | Traction Lifter Bracket                    |  |
| 16 | Femoral Hook Support                       |  |
| 17 | Traction Device Hook                       |  |
| 18 | Bow Holder                                 |  |
| 19 | Lateral Perineal Support Assy. With Pad    |  |
| 20 | Low Leg Support (2)                        |  |
| 21 | Mounting Bracket for Lateral Perineal Post |  |
| 22 | Spare Assembly Left                        |  |
| 23 | Spar Assembly Right                        |  |
| 24 | Tibia Traction Boot Adapter                |  |
| 25 | Traction Boot Adapter Assy. (2)            |  |
| 26 | Well Leg Support Arm                       |  |
| 27 | Dust Cover                                 |  |
| 28 | Lateral Perineal Post                      |  |
| 29 | Perineal Post                              |  |
| 30 | Prone Skeleton Traction Holder             |  |
| 31 | Traction Hook Extender                     |  |
| 32 | Traction Lifter                            |  |
| 33 | Traction Boot, Small, Left & Right, Pair   |  |
| 34 | Traction Boot, Large, Left & Right, Pair   |  |
| 35 | Lateral Perineal Post, Curved              |  |
| 36 | Pivoting Arm Board (2)                     |  |
| 37 | Equipment Cart                             |  |
| 38 | Pelvic Pad                                 |  |
| 39 | Main Table Pad                             |  |
| 40 | Assessory Attachment Bracker               |  |
| 41 | Lateral Traction Device                    |  |
| 42 | Femoral Hook Right                         |  |
| 43 | Femoral Hook Left                          |  |
| 44 | Crank Handle Assembly, Long                |  |
| 45 | Attachment Mounting Bracket                |  |

|          |  |                          |
|----------|--|--------------------------|
| - 46     | Patient Care Kit   |                          |
|          | <b>Country of Origin : Japan/USA/UK/Europe/Germany or equivalent</b>   |                          |
|          |  |                          |
| <b>6</b> | <b>LED CELLING O.T Light Double Doom</b>   | <b>5</b>                 |
|          | <b>Make &gt;&gt;</b>   |                          |
|          | <b>Model &gt;&gt;</b>  |                          |
|          | <b>Sole Agent In Pakistan&gt;&gt;</b>  |                          |
|          | The latest LED lens technology accounts for a homogenous light field, maximum shadow dilution, brilliant light and perfect color rendition |                          |
|          |  |                          |
|          | <b>Special Features</b>  |                          |
|          | Excellent color retention  |                          |
|          | Color temperature similar to day light   |                          |
|          | Extremely long life of the LEDs  |                          |
|          | Highest hygiene standards  |                          |
|          | Maintenance and service costs are completely eliminated  |                          |
|          | Compact design with the significantly smaller & high performance LEDs  |                          |
|          |  |                          |
|          | Consisting of:   |                          |
|          | LED Light 160,000 LX (Main Light)  |                          |
|          | LED Light 160,000 LX (Satelite)  |                          |
|          |  |                          |
|          | <b>Technical Data:</b>   |                          |
|          | Central Illuminance (at a distance of 1m)  | 160,000 lx               |
|          | Turbulence degree (standard value: 37.5%)  | 27%                      |
|          | Power input  | 45 W                     |
|          | Color Temperature (variable)   | 3,600 / 4,300 / 4,600 K  |
|          | Effective Life of light source   | 40,000 h                 |
|          | Soft-start option (light does not start immediately with full brightness)  | Yes                      |
|          | Electronic System meets requirements acc. To VDE and IEV   | Yes                      |
|          |  |                          |
|          | Central illumin (electric diming from/ to)   | 30-100% /5% in endo mode |
|          | Light field diameter (d10, distance of 1m)   | 170-220 mm               |
|          | Color rendering index (CRI) (Ra(1-8))  | 95                       |
|          | Illumination depth, without refocusing) L1/L2  | 180 / 200mm              |
|          | Permissible ambient temperature range during operation   | 5 degree to +40 degree C |
|          | Power module incl. incl. mounting plate  | 200x130x105 mm           |
|          | Classification acc. To MPG (Medical Devices Act/MDD)   | I                        |
|          | Protection class acc. To IEC 601   | I                        |
|          | Degree of protection: light head   | IP 42                    |
|          | Conformity   | CE                       |
|          | <b>Country of Origin: UK/USA/Europe or equivalent</b>  |                          |

|          |   |          |
|----------|---|----------|
|          |   |          |
| <b>7</b> | <b>Defibrillator (Biphasic)</b>   | <b>7</b> |
|          | <b>Make &gt;&gt;</b>  |          |
|          | <b>Model &gt;&gt;</b>   |          |
|          | <b>Sole Agent In Pakistan&gt;&gt;</b>   |          |
|          | Rectilinear Biphasic waveform delivery system (CE & FDA approved)   |          |
|          | Delivery through paddles and patient cable  |          |
|          | Biphasic energy delivered upto maximum 200 joules or more   |          |
|          | Display 6.5 inches or more colour LCD TFT   |          |
|          | 3 lead ECG  |          |
|          | Heart rate and digital display (0-300 BPM)  |          |
|          | ECG waveform recovers within 3 seconds after defibrillation   |          |
|          | Charging time should be less than 7 seconds for 200 J   |          |
|          | Synchronized defibrillator pulse to patients R wave   |          |
|          | Self test whenever the power is turned on or off  |          |
|          | External pacing facility available  |          |
|          | Recording with speed 25m/sec with standard paper, digital HR with low/high alarm and adult and paediatric paddles                 |          |
|          | AED cable with pad  |          |
|          | AED should auto analyse and charge with auto energy level selection   |          |
|          | Built in rechargeable battery with maximum 35 shocks at maximum 35 shocks at maximum energy or 2 hrs of continuous ECG monitoring |          |
|          | AC power 220-240 V/50 Hz  |          |
|          | <b>Country of Origin : USA/Europe &amp; Japan or equivalent</b>   |          |
|          |   |          |
|          |   |          |
| <b>8</b> | <b>Cardiac Monitor (for O.T &amp; SICU)</b>   | <b>6</b> |
|          | <b>Make &gt;&gt;</b>  |          |
|          | <b>Model &gt;&gt;</b>   |          |
|          | <b>Sole Agent In Pakistan&gt;&gt;</b>   |          |
|          | <b>PHYSICAL FEATURES:</b>   |          |
|          | The display should be color TFT 1024x768 15"  |          |
|          | Numeric Parameters should include HR, PVCc, Pulse Rate, SPO2, Temp, CO2, NIBP, IBP, CVP and alarm limits                          |          |
|          | Monitor should be capable invasive and capnograph monitoring  |          |
|          | The operation method should be based on Rotary knob and touch system  |          |
|          | The sweep speed should be 12.5, 25 and 50mm/sec   |          |
|          | Should display at least 8 waveforms   |          |
|          | All should be freezable   |          |
|          | <b>ECG</b>  |          |
|          | Should have standard 3 leads extendable upto 5 leads  |          |
|          | The gain should be 4, 2, 1, 1/2, 1/4 and auto gain calibration should be 1mV, 0.5 sec   |          |
|          | Lead choice: I, II, III, aVR, aVF, aVL, Test  |          |



|          |  |           |
|----------|--|-----------|
|          | The heart range for adults to be 15 - 300 bpm and 15 - 350 bpm in neonates   |           |
|          | Accuracy: 1 bpm or 1% which ever is greater  |           |
|          | Should be protected against defibrillation and electro surgery   |           |
|          | HR can be measured from ECG, SPO2 with displaying color coding of source parameters.   |           |
|          | Response time after cardiac arrest should be within 10 secs  |           |
|          | <b>SpO2</b>  |           |
|          | The method should be 2 wavelength pulse wave type  |           |
|          | Anti motion SPO2   |           |
|          | SPO2 range: 0-100%   |           |
|          | SPO2 Accuracy: + 2%  |           |
|          | Pulse Rate Range: 30-250 bpm   |           |
|          | Alarm limit setting: upper limit 70-100%   |           |
|          | lower limit 70-100%  |           |
|          | <b>CAPNOGRAPH (CO2)</b>  |           |
|          | Should be Main Stream/Side Stream type   |           |
|          | Range: 0 to 99 mmHg  |           |
|          | Sample flow rate: 70 - 100 ml/min  |           |
|          | Digital and wave form display  |           |
|          | <b>NIBP</b>  |           |
|          | Measurement method should be Oscillometric with manual and automatic measurement modes (intervals between 1 min - 1 hours) and the measurement time from 20 to 25 set the cuff pressurization time is not included |           |
|          | Range in adults sys 25-250 m Hg Din 10-220 Hg  |           |
|          | <b>IBP + CVP</b>   |           |
|          | Should have transducers for measurements of IBP+CVP  |           |
|          | <b>TEMPERATURE:</b>  |           |
|          | The probe should be YSI-400/YSI-700 compatible compatible  |           |
|          | And the temperature range should from 0 to 50 degree C   |           |
|          | Accuracy: +/- 0.2 centigrade   |           |
|          | <b>ALARMS:</b>   |           |
|          | The alarms should include the error meassages, all other parameter limits  |           |
|          | The alerts should be blinking on display and volume adjustable with light indicator  |           |
|          | <b>BATTERY &amp; AC POWER SPECIFICATIONS:</b>  |           |
|          | The internal battery should be sealed lead acid type with more than 3 hours continuous backup use  |           |
|          | 90 - 240 V AC, 50/60 Hz  |           |
|          | <b>County of Origin: USA/UK/Japan/EEC or equivalent</b>  |           |
|          |  |           |
| <b>9</b> | <b>Cardiac Monitor (for Wards)</b>   | <b>15</b> |
|          | <b>Make &gt;&gt;</b>   |           |
|          | <b>Model &gt;&gt;</b>  |           |
|          | <b>Sole Agent In Pakistan&gt;&gt;</b>  |           |
|          | The monitor should have a high resolution, with a display atleast 12 inch and touch panel screen   |           |
|          | Should display atleast 4 waveforms   |           |

|           |  |          |
|-----------|--|----------|
|           | Should have a function of onscreen Guide and with helpful illustrations  |          |
|           | Should have Enlarged numeric screen for viewing from distance  |          |
|           | Should have Arrhythmia detection with 120 hours of recall data can be saved  |          |
|           | Should have 7 lead ECG simultaneous display using 5 electrodes   |          |
|           | Should have upto 120 hours files for the numeric data of alarm occurrences from the alarm history table                                      |          |
|           | Should have upto 120 hours ECG full disclosure waveform displayed  |          |
|           | Should have 3 hours battery operation time   |          |
|           | Should have HL7 protocol for data output   |          |
|           | Should have a capability to exchange and view data of other bedside monitors. Both individual display and 8 beds display should be available |          |
|           | Should have 7 Measuring parameters ECG (3/5 lead), respiration, (impedance method), SpO2, NIBP, temperature (2 ch)                           |          |
|           | Displayed waveforms should be ECG (maximum 7 traces), respiration, NIBP, SpO2 pulse wave   |          |
|           | Numerical data display should be HR, VPC, ST, RP, NIBP (systolic, diastolic, MAP), SpO2, PR, PI, TEMP  |          |
|           | Supplied with: ECG 3 leads, NIBP hose and cuff, SPO2 probe and power cord  |          |
|           | <b>Country of Origin: Japan/USA/UK or equivalent</b>   |          |
|           |  |          |
|           |  |          |
| <b>10</b> | <b>Capnograph</b>  | <b>4</b> |
|           | <b>Make &gt;&gt;</b>   |          |
|           | <b>Model &gt;&gt;</b>  |          |
|           | <b>Sole Agent In Pakistan&gt;&gt;</b>  |          |
|           | <b>Display</b>   |          |
|           | Size and type: 7 inch touch screen or more   |          |
|           | Waveforms: CO2, SpO2   |          |
|           | Numeric data: ETCO2, FICO2, INST CO2, RR, SpO2, PR, PI   |          |
|           | Sweep speed: CO2:25, 12.5, 6.25, 3.13, 1.56mm/s (+-10%) SpO2:50,25,12.5,6.25, 3.13mm/s (+-10%)   |          |
|           | <b>Data Storage</b>  |          |
|           | 120 hours or more worth of review data storage   |          |
|           | <b>Network connectivity</b>  |          |
|           | LAN and telemetry (option) should be supported   |          |
|           | <b>Analog/digital output</b>   |          |
|           | Battery backup: 3 hours with a new fully charged battery pack  |          |
|           | <b>CO2 - MAINSTREAM</b>  |          |
|           | display updates cycle:   |          |
|           | Every 1 second or when alarm is generated  |          |
|           | Respiration rate counting range:   |          |
|           | 0 to 150 counts/min  |          |
|           | <b>SpO2</b>  |          |

|           |  |          |
|-----------|--|----------|
|           | SpO2 measurement (Reusable Sensor)   |          |
|           | Display range: 0 - 100% SpO2   |          |
|           | Declared range: 0 - 100% SpO2  |          |
|           |  |          |
|           | Pulse rate measurement:  |          |
|           | Display range: 30-300 bpm  |          |
|           | Declared range: 30-300 bpm   |          |
|           | Counting accuracy (rms): 3% 1 bpm  |          |
|           |  |          |
|           | Supplied with SpO2 and ETCO2 sensor  |          |
|           | <b>Country of Origin: Japan/USA/UK or equivalent</b>   |          |
|           |  |          |
| <b>11</b> | <b>Dental Unit Digital with oil free Compressor</b>  | <b>6</b> |
|           | <b>Make &gt;&gt;</b>   |          |
|           | <b>Model &gt;&gt;</b>  |          |
|           | <b>Sole Agent In Pakistan&gt;&gt;</b>  |          |
|           | International Delivery Type tool tray  |          |
|           | Many Parts are removable for Disinfection  |          |
|           | Anaesthesia, Whitening, Curing reminder function   |          |
|           | Air Pressure LED digital display   |          |
|           | Temperature LED digital Display  |          |
|           | Water temperature is adjustable for all tubes  |          |
|           | Clean chair position after surgery   |          |
|           | USB universal charging port  |          |
|           | Assistant tray with drawer   |          |
|           | Dental chair interlock system  |          |
|           | Safety Emergency Stop  |          |
|           | Water air-electricity with one button switch device  |          |
|           | Water-air-electricity separated structure design   |          |
|           | First aid chair position   |          |
|           | Backrest Blockage protection   |          |
|           | Hand Piece tubing disinfection system to prevent bio films   |          |
|           | Pneumatic balance arm for the state of the art tray movement   |          |
|           | Cosmetic tray of the pole for patient to keep its stuff on it like bag, Keys, etc  |          |
|           | LCD Holding arm for intraoral Cam or presentation LCD support  |          |
|           | Taiwan low noise motors using for lifting the chair  |          |
|           | Using Germany hand piece tubing and American membrane alongwith imported USA pipes   |          |
|           | <b>Doctor and Assistant Side Panel</b>   |          |
|           | Doctor Touch Sensor control Panel contain Up, Down, Back, Forward, 3 Presets/Dr., Doctor selection button, 1 Zero Return & Gargling Position, Light Button, X-Ray illuminator Button, Cup Filler, Bowl Flush, Heater |          |
|           | Assistant touch Sensor control panel contain Up, Down, Back, Forward, Cup Filler Button, Bowl Flush Button, Water Heater alongwith light button. Also contain a drawer in it   |          |
|           | <b>Chair Movements</b>   |          |

|           |  |          |
|-----------|--|----------|
|           | Wide range of chair height-button 400mm and 695mm, soft chair movement offer the best position for both patient and operators                  |          |
|           | Safety feature of a backrest and chair ensure retraction if contact is made with any object  |          |
|           | <b>Spittoon and Cuspidor</b>   |          |
|           | The rotatable spittoon bowl is easily removable without the help of any instrument and easy to clean and wash                                  |          |
|           | <b>Operating Light</b>   |          |
|           | The LED light with intensity controller reaches to optimal positions for both maxillary and mandibular treatments with sensor                  |          |
|           | <b>Dentist Stool</b>   |          |
|           | Dentist Full back Lumber support stool with up/down cylinder operated  |          |
|           | <b>Foot Control</b>  |          |
|           | Multipurpose foot control for precise air delivery with chair controlling system with stainless steel pipe                                     |          |
|           | <b>OIL FREE COMPRESSOR</b>   |          |
|           | Capacity FOR 1 Dental uNiT   |          |
|           | Tank Capacity: 32 Liter/min  |          |
|           | Power 70 Liter/min   |          |
|           | Capacity discharge 0.8 Mpa   |          |
|           | Desiccator System  |          |
|           | Noise 56-65 db   |          |
|           | Frequency 550W   |          |
|           | Air Reulator with control air According to need  |          |
|           | Air Filter which purify air from moisture  |          |
|           | <b>Country of Origin: Italy/Japan/France/Germany or equivalent</b>   |          |
|           |  |          |
|           |  |          |
| <b>12</b> | <b>Rigid Sigmoidoscope Adult</b>   | <b>1</b> |
|           | <b>Make &gt;&gt;</b>   |          |
|           | <b>Model &gt;&gt;</b>  |          |
|           | <b>Sole Agent In Pakistan&gt;&gt;</b>  |          |
|           | <b>ADULT TUBES</b>   |          |
| <b>a</b>  | Rectoscope Tube outer diameter 20mm working length 30cm<br>consisting of:  | <b>1</b> |
|           | Rectoscope Tube outer diameter 20mm working length 30cm  |          |
|           | Oburator   |          |
| <b>b</b>  | Rectoscope Tube outer diameter 16mm working length 30cm<br>consisting of :   | <b>1</b> |
|           | Rectoscope Tube  |          |
|           | Obturator  |          |
| <b>c</b>  | Illumination Head, for rectoscope tubes, with fiber optic light transmission and LUER-Lock hub for rubber insufflation bulb<br>consisting of : | <b>1</b> |

|           |  |          |
|-----------|--|----------|
|           | Illumination Head, for rectoscope tubes, with fiber optic light transmission and LUER-Lock hub for rubber insufflation bulb        |          |
|           | Glass Window Plug  |          |
|           |  |          |
| <b>d</b>  | Adjustable Magnifier, for illumination Head Unit   | <b>1</b> |
|           | consisting of :  |          |
|           | Adjustable Magnifier   |          |
|           | Reducer for use with 10mm instruments, in conjunction with reducer for use with 5 mm instruments                                   |          |
|           |  |          |
| <b>e</b>  | Rubber insufflation bulb, with detachable tube, with LUER lock connector   | <b>1</b> |
|           | consisting of :  |          |
|           | Rubber bulb  |          |
|           | Rubber Tube  |          |
|           |  |          |
| <b>f</b>  | Forceps for Biopsy, single action jaws bisecting and curved jaws, working length 30cm  | <b>1</b> |
|           |  |          |
| <b>g</b>  | Sponge Holder, working length 30cm   | <b>1</b> |
|           |  |          |
| <b>h</b>  | Pick, 90 degreesize 4mm , length 16cm  | <b>1</b> |
|           |  |          |
| <b>i</b>  | Snare Guide, insulated, with connector for unipolar coagulation, working length 20cm   | <b>1</b> |
|           | consisting of :  |          |
|           | Snare Guide  |          |
|           | Wire Snare   |          |
|           |  |          |
| <b>j</b>  | Polyp Grasping Forceps, to be used with Rectal Snares, working length 40cm   | <b>1</b> |
|           | <b>Country of Origin : UK/USA/Europe or equivalent</b>   |          |
|           |  |          |
|           |  |          |
| <b>13</b> | <b>Head Light with Dual Powerful Batterys (for Colorectal)</b>   | <b>1</b> |
|           | <b>Make &gt;&gt;</b>   |          |
|           | <b>Model &gt;&gt;</b>  |          |
|           | <b>Sole Agent In Pakistan&gt;&gt;</b>  |          |
|           | Headlight should provide maximum waring comfart supply first class light and feature with outstandingly high performance batteries |          |
|           | Specification:   |          |
|           | Adjustable focus   |          |
|           | Continuously digital dimming   |          |
|           | Intigrated battery status indicators   |          |
|           | Ripid USB charging from wall adapter or PC   |          |
|           | Fast and easy battery change, without powering off   |          |



|           |   |          |
|-----------|---|----------|
|           | Forehead strap two-dimensionally adjustable with one hand |          |
|           | Technical Data :  |          |
|           | Luminour intensity: max. 200,000 lx                       |          |
|           | Color temperature: 5,000 k                                |          |
|           | Battery Service Life upto 6.5 hrs                         |          |
|           | Charging time: 6 hours                                    |          |
|           | Weight less than 310 g                                    |          |
|           | Consisting of:  |          |
|           | Carrying case, with shoulder strap                        |          |
|           | USB charging cable, PSU adapter                           |          |
|           | 2 rechargeable lithium-ion batteries                      |          |
|           | Magnifier lences 2x                                       |          |
|           | <b>Country of Origin : UK/USA/Europe or equivalent</b>    |          |
|           |   |          |
| <b>14</b> | <b>CTG Machine (CARDIO TOCO GRAPHY)</b>                   | <b>1</b> |
|           | <b>Make &gt;&gt;</b>                                      |          |
|           | <b>Model &gt;&gt;</b>                                     |          |
|           | <b>Sole Agent In Pakistan&gt;&gt;</b>                     |          |
|           | Antepartum Fetal Monitor                                  |          |
|           |   |          |
|           | <b>STANDARD FEATURES INCLUDE</b>                          |          |
|           | Automatic Fetal Movement Detector                         |          |
|           | Dual signal quality indication                            |          |
|           | User message displays with three Alarms                   |          |
|           | High/Loss of contact alarm                                |          |
|           |   |          |
|           | Tachycardia alarm   |          |
|           | Bradycardia alarm   |          |
|           | High Resolution Thermal Printer                           |          |
|           | Two Channel Digital Indication (Both Fetus)               |          |
|           | RS 232 Communication Port                                 |          |
|           | 01 Ultrasound Transducer                                  |          |
|           | 01 Contractions Transducer                                |          |
|           | 01 Patient Event Marker                                   |          |
|           | Clinical Event Marker                                     |          |
|           | 10 Paper Pack   |          |
|           | Local Trolley (Lockable)                                  |          |
|           | <b>Country of Origin : UK/USA/Germany or equivalent</b>   |          |
|           |   |          |
| <b>15</b> | <b>Tissue Fusion and Vessel Sealing System</b>            | <b>3</b> |
|           | <b>Make &gt;&gt;</b>                                      |          |
|           | <b>Model &gt;&gt;</b>                                     |          |
|           | <b>Sole Agent In Pakistan&gt;&gt;</b>                     |          |

|  |   |  |
|--|---|--|
| <b>Description of Function:</b>                              |   |  |
| Single channel Vessel Sealing Generator                      |   |  |
| Seal Time 2-4 Second Cycle                                   |   |  |
| Seal up to & including 7mm                                   |   |  |
| Feedback system should be equal/more than 20,000 time/second |   |  |
| Output configuration   | Isolated output   |  |
| Cooling  | Natural and forced convection                                     |  |
| Display status   | System status indicator-circle LED (12 block) shows system status |  |
|  | System error indicator-triangle LED with exclamation mark         |  |
|  | Instrument status indicator-LED above the vessel                  |  |
| sealing receptable   |   |  |
|  | Usage limit indicator - 2 with a line through it                  |  |
| <b>Output Characteristics</b>                                |   |  |
| Mode   | vesseleasling   |  |
| P-P Voltage  | 500 V   |  |
| Rated Load (Ohms)  | 30  |  |
| Maximum Power (Watts)  | 270   |  |
|  |   |  |
| <b>Input Power</b>   |   |  |
| 220 - 240 Volt   |   |  |
| Maximum VA - 400 VA  |   |  |
| Input mains voltage, full regulation range 180-264 VAC       |   |  |
| Input mains voltage operating range 210-240 VAC              |   |  |
| Mains line frequency range (nominal) 50 Hz to 60 Hz          |   |  |
| Fuses (2) - 5 mm x 20mm 8 A, 250 V fast blow                 |   |  |
| Certification: FDA approved                                  |   |  |
| <b>Country of Origin : USA/UK/Germany or equivalent</b>      |   |  |
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|           | <b>IST-B</b>  |          |
| <b>16</b> | <b>Air Motor with Straight Contra Angle</b>   | <b>1</b> |
|           | <b>Make &gt;&gt;</b>  |          |
|           | <b>Model &gt;&gt;</b>   |          |
|           | <b>Sole Agent In Pakistan&gt;&gt;</b>   |          |
|           | Specification   |          |
|           | Push Type   |          |
|           | Autoclaveable   |          |
|           | Variable speed 22000 Rpm  |          |
|           | Two hole Midwest system   |          |
|           | Straight & Contra angle Attachments is separate   |          |
|           | Slow speed with speed contro system   |          |
|           | Surgical procedure can be use   |          |
|           | Complete set with EX203 motor, Ex-06 straight attachment, NAC-E Contra head & accessories |          |
|           | <b>Warranty Period : 2 Years</b>  |          |
|           | <b>Country of Origin : Japan/USA/Italy or equivalent</b>                                  |          |
|           |   |          |
| <b>17</b> | <b>High Speed Turbine</b>   | <b>1</b> |
|           | <b>Make &gt;&gt;</b>  |          |
|           | <b>Model &gt;&gt;</b>   |          |
|           | <b>Sole Agent In Pakistan&gt;&gt;</b>   |          |
|           | Specification   |          |
|           | Push Type   |          |
|           | Fiber Optic   |          |
|           | Autoclaveable   |          |
|           | Single Water Spray  |          |
|           | 400,000 Rpm   |          |
|           | Two Hole Midwest system   |          |
|           | Simple Bur Exchange Automatic Tension Grip  |          |
|           | <b>Warranty Period : 2 Years</b>  |          |
|           | <b>Country of Origin : Japan/USA/Italy or equivalent</b>                                  |          |
|           |   |          |
| <b>18</b> | <b>Element Obturation System with System B</b>  | <b>1</b> |
|           | <b>Make &gt;&gt;</b>  |          |
|           | <b>Model &gt;&gt;</b>   |          |
|           | <b>Sole Agent In Pakistan&gt;&gt;</b>   |          |
|           | Specification   |          |
|           | LCD screen for display  |          |
|           | Oburation system with system B  |          |
|           | Efficient predictable Accurate  |          |
|           | Convenient cartridge delivery   |          |

|           |   |          |
|-----------|---|----------|
|           | Choice of speed control   |          |
|           | Tip Temperature continuously maintained and display   |          |
|           | Easy to read petiarized tilting screen  |          |
|           | Eliminates piartand provides placement flexibility  |          |
|           | One touch control for efficiency and accuracy   |          |
|           | One touch control for instant heating and colling with automatic sline out  |          |
|           | <b>Warranty Period : 2 Years</b>  |          |
|           | <b>Country of Origin : Japan/USA/Italy or equivalent</b>  |          |
|           |   |          |
| <b>19</b> | <b>Infusion Pump</b>  | <b>8</b> |
|           | <b>Make &gt;&gt;</b>  |          |
|           | <b>Model &gt;&gt;</b>   |          |
|           | <b>Sole Agent In Pakistan&gt;&gt;</b>   |          |
|           | <b>Specification:</b>   |          |
| <b>a</b>  | Infusion pump should be programmable, user friendly and safe to use   |          |
| <b>b</b>  | The pump should have feature of Infusion rate automatically calculated between rate, time and volume with ability to automatic exchange between two flow rate units "ml/h"and "drop/min |          |
| <b>c</b>  | The Detect System Pressure feature should be aboe to detect atleast three levels of occlusion pressure  |          |
| <b>d</b>  | The flow rate must be adjustable  |          |
| <b>e</b>  | The range of flow rate range should not be less than 1200 ml/hr with 1ml/hr increments  |          |
| <b>f</b>  | Must have fast mode of infusion independent of set flow rate  |          |
| <b>g</b>  | The purge rate should not be less than 1000ml/h   |          |
| <b>h</b>  | Display of the range with provision of memorising 10 to 15 names by operators   |          |
| <b>i</b>  | Infusion volume upto 9999 ml  |          |
| <b>j</b>  | Alarms should include empty, near empty, block, Air in line and more  |          |
| <b>k</b>  | Should function on 220 - 240 VAC or 100 - 120 V AC, 50/60 Hz  |          |
| <b>m</b>  | Built in Battery up to at least 5 hours back up time  |          |
| <b>n</b>  | Light and compact design  |          |
| <b>o</b>  | All kinds of infusion set of different brand should be used   |          |
| <b>p</b>  | Comprehensive warranty  |          |
|           | <b>Warranty Period : 2 Years</b>  |          |
|           | <b>Country of Origin : UK/USA/Japan or equivalent</b>   |          |
|           |   |          |
| <b>20</b> | <b>Syringe Pump</b>   | <b>6</b> |
|           | <b>Make &gt;&gt;</b>  |          |
|           | <b>Model &gt;&gt;</b>   |          |
|           | <b>Sole Agent In Pakistan&gt;&gt;</b>   |          |
|           | Maximum flow of upto 1200 ml/h  |          |
|           | Kvo flow rate 0-5ml/h   |          |
|           | 0.1 ml/hr Increment   |          |
|           | Should be capable of mounting with docking station  |          |

|           |  |           |
|-----------|--|-----------|
|           | Expend number of applications e.g supplementary feeding, blood transfusions, chemotherapy and infusion of therapeutic drugs  |           |
|           | Compatible with a wide make of syringes  |           |
|           | Plunger monitor  |           |
|           | Pressure Alarm for detection of occlusion  |           |
|           | Computer Integration System  |           |
|           | Electromagnetic compatibility  |           |
|           | Up till 7 special functions including operation reminder, auto power off, alarm repeat, buzzer setting, power source switch alarm, history function, and key lock function |           |
|           | <b>Syringe Sizes (ml)</b>  |           |
|           | 10, 20, 30, 50   |           |
|           | <b>Supplied with:</b>  |           |
|           | Pole clamp   |           |
|           | Power cord   |           |
|           | Operating manual   |           |
|           | <b>Warranty Period : 2 Years</b>   |           |
|           | <b>Country of Origin: Japan/USA/UK or equivalent</b>   |           |
|           |  |           |
| <b>21</b> | <b>Suction Machine (for Ward)</b>  | <b>15</b> |
|           | <b>Make &gt;&gt;</b>   |           |
|           | <b>Model &gt;&gt;</b>  |           |
|           | <b>Sole Agent In Pakistan&gt;&gt;</b>  |           |
|           | <b>Feature</b>   |           |
|           | Should be applicable in plastic, Neuro and general surgery alongwith ability to used in endoscopies and obstetrics if required   |           |
|           | Should have ability to be used in the emergency department, intensive care, operating theatre and during dental surgery  |           |
|           | The pump should have accurate vacuum setting with the membran vacuum regulator   |           |
|           | Should have piston/cylinder system for a vibration free and quiet system   |           |
|           | The vacuum range should start from - 85 mbar/ -638 mmHg  |           |
|           | The flow rate should be upto 30 liter/min  |           |
|           | Supplied with set of 3 liter jar, original trolley, silicon tubing and power cord  |           |
|           | <b>Warranty Period : 2 Years</b>   |           |
|           | <b>Country of Origin: EEC/USA/UK or equivalent</b>   |           |
|           |  |           |
| <b>22</b> | <b>ECG Machine 6 Channel</b>   | <b>8</b>  |
|           | <b>Make &gt;&gt;</b>   |           |
|           | <b>Model &gt;&gt;</b>  |           |
|           | <b>Sole Agent In Pakistan&gt;&gt;</b>  |           |

|           |   |           |
|-----------|---|-----------|
|           | Should have high accuracy signal processing, AC filtering, ECG measurement and ECG analysis |           |
|           | 12 Lead ECG with backlit screen of 5" inch or more  |           |
|           | Upto 200 ECG files can be stored  |           |
|           | Capable to transfer data using LAN  |           |
|           | No. of recording channel must not be less than 6  |           |
|           | Operating time should not be less than 1 hour   |           |
|           | Thermal printer with recording speed of 25 or 50 mm/s                                       |           |
|           | Recording paper width: 110mm  |           |
|           | ECG data can be sent to a PC by SD memory card, wired or wireless LAN                       |           |
|           | Supplied with: ECG lead, paper Roll and power cord  |           |
|           | <b>Warranty Period : 2 Years</b>  |           |
|           | <b>Country of Origin: Europe/USA/UK/Japan or equivalent</b>                                 |           |
|           |   |           |
| <b>23</b> | <b>Pulse Oximeter</b>   | <b>12</b> |
|           | <b>Make &gt;&gt;</b>  |           |
|           | <b>Model &gt;&gt;</b>   |           |
|           | <b>Sole Agent In Pakistan&gt;&gt;</b>   |           |
|           | <b>Features</b>   |           |
|           | Display Type                      Coloured LCD  |           |
|           | Digital and Waveform both   |           |
|           | Display Size 5"Wx3.0" H   |           |
|           | Removable and rechargeable Battery, upto 6 hours working time                               |           |
|           | SpO2 Probe: Red light LED wave length 660nm, infrared light 940nm                           |           |
|           | SpO2 range : 0 - 100%   |           |
|           | SpO2 rAccuracy: + 2%  |           |
|           | Pulse Rate Range: 30-250 bpm  |           |
|           | Pulse Rate Accuracy: + bpm  |           |
|           | Suitable for Adult, pediatric and neonatal patients   |           |
|           | Adjustable audible and visual alarms  |           |
|           | Mounting stand with basket  |           |
|           | <b>FDA approved</b>   |           |
|           | <b>Warranty Period : 2 Years</b>  |           |
|           | <b>Country of Origin : UK/USA/EEC or equivalent</b>   |           |
|           |   |           |
| <b>24</b> | <b>BIPAP</b>  | <b>6</b>  |
|           | <b>Make &gt;&gt;</b>  |           |
|           | <b>Model &gt;&gt;</b>   |           |
|           | <b>Sole Agent In Pakistan&gt;&gt;</b>   |           |
|           | <b>Feature</b>  |           |
|           | High maximum pressure 30 hPa  |           |
|           | Target volume with optional additional pressure   |           |
|           | tidal volume display  |           |

|           |   |          |
|-----------|---|----------|
|           | Save and transfer data option as well as SD card option   |          |
|           | Data analysis option  |          |
|           |   |          |
|           | <b>Specifications:</b>  |          |
|           | Modes including CPAP, BILEVELS, BIELEVEL T, BILEVELS ST   |          |
|           | Displays: pressure, bar graph, tidal volume, current mode (S,T), date, time, soft start ramp, alarm clock status  |          |
|           | Should possess functions like automatic start stop, soft start ramp, leakage test, leakage warning, and alarm on power failure, automatic start after power failure, date and time display, etc.                                    |          |
|           | Pressure range: 4 - 30 hPa (nbar)   |          |
|           | 2 Battery Backup Packs (Optional)   |          |
|           | 4 hours backup for each pack  |          |
|           | <b>Standard Accessories:</b>  |          |
|           | Power Cord  |          |
|           | Carrier Bag   |          |
|           | Breaching Circuit and filter  |          |
|           |   |          |
|           | <b>Humidifier (Optional)</b>  |          |
|           | <b>Warranty Period : 2 Years</b>  |          |
|           | <b>Country of Origin: USA/UK/EEC or equivalent</b>  |          |
|           |   |          |
| <b>25</b> | <b>C-PAP</b>  | <b>5</b> |
|           | <b>Make &gt;&gt;</b>  |          |
|           | <b>Model &gt;&gt;</b>   |          |
|           | <b>Sole Agent In Pakistan&gt;&gt;</b>   |          |
|           | The Device should have 3 levels separately for in-and expiration  |          |
|           | The Device should have star-stop-automatic, softstartramp, leakage test, mask calibration, flex pressure adjustment, power failure alarm, automatic turbine start after power failure, date, time, mask alarm and wake-up functions |          |
|           | Pressure Range: 4 - 20 cmH2O  |          |
|           | Average noise level should be less than 30 dB   |          |
|           | Advance data management with SD card  |          |
|           | Should have stand-by time, turbine running time, therapy time, filter age counters  |          |
|           | Battery operation should be possible  |          |
|           | <b>Warranty Period : 2 Years</b>  |          |
|           | <b>Country of Origin: Europe/USA or equivalent</b>  |          |
|           |   |          |
| <b>26</b> | <b>Suction Machine (VACUUM EXTRACTOR FOR BABY)</b>  | <b>2</b> |
|           | <b>Make &gt;&gt;</b>  |          |
|           | <b>Model &gt;&gt;</b>   |          |



|           |   |          |
|-----------|---|----------|
|           | <b>Sole Agent In Pakistan&gt;&gt;</b>   |          |
|           | State of the art oil-free   |          |
|           | diaphragm pump combined   |          |
|           | with multiple safety featured   |          |
|           | Including Internal filters  |          |
|           | (Hydrophobic) and overflow control valves   |          |
|           | Electric High Suction Machine   |          |
|           | Low Noise, Twin Jar   |          |
|           | Complete with two autoclavable jars of 02 Liters each   |          |
|           | Vacuum - 0 to 650 mmHg  |          |
|           | Flowrate - 30 L/Min   |          |
|           | with 02 Nos Silicon Cups  |          |
|           | <b>Warranty Period : 2 Years</b>  |          |
|           | <b>Country of Origin: UK/USA/Germany or equivalent</b>  |          |
|           |   |          |
| <b>27</b> | <b>Blood Warmer</b>   | <b>2</b> |
|           | <b>Make &gt;&gt;</b>  |          |
|           | <b>Model &gt;&gt;</b>   |          |
|           | <b>Sole Agent In Pakistan&gt;&gt;</b>   |          |
| 1         | This machine should be easy to use, safe and cost effective system with an outstanding performance for your daily blood and fluid warming.  |          |
| 2         | Should rapidly warms fluids to the target temperature.  |          |
| 3         | Temperature should be 39°C ± 2°C  |          |
| 4         | Maximum flow ≥ 400 ml/min 6A  |          |
| 5         | Flow range 5 – 100ml/min(300- 6000ml/hr)  |          |
| 6         | Should be supplied with disposable cassette   |          |
|           | <b>Warranty Period : 2 Years</b>  |          |
|           | <b>Country of Origin: Europe, Japan, USA,UK or equivalent</b>   |          |
|           |   |          |
| <b>28</b> | <b>Body Warmer</b>  | <b>2</b> |
|           | <b>Make &gt;&gt;</b>  |          |
|           | <b>Model &gt;&gt;</b>   |          |
|           | <b>Sole Agent In Pakistan&gt;&gt;</b>   |          |
| 1         | The System should be very soft, strong and convenient.  |          |
| 2         | The diffusing surface must ensures optimum performance and increased heating capacity. It should also enable the use of low pressure, preventing the blanket from floating and allowing it to drape perfectly.  |          |
| 3         | The warming unit should be very powerful, silent and provides a constant temperature to patient within only 60 seconds. The default start up temperature should be 38 oC.                                       |          |
| 4         | The unit should have the over-temperature alarm with additional standard built-in safety factor, the under-temperature alarm, guaranteeing that the temperature which has been set is delivered to the patient. |          |

|           |   |           |
|-----------|---|-----------|
| 5         | The System Should have set temperature 32 °C, 38 °C, 43 °C or Ambient Air   |           |
| 6         | The system should have HEPA Filtration.   |           |
| 7         | The system should supplied with pole with castors.  |           |
| 8         | System should have a range of blankets for different applications and could be used for pre-, per-, and post-operative warming.   |           |
| 9         | The system should have a range of reflective blankets, equipped with a reflective top layer, increasing heating capacity and reflecting patient's radiant body heat, preserving body temperature. |           |
|           | <b>Warranty Period : 2 Years</b>  |           |
|           | <b>Country of Origin: Europe, Japan, USA, UK or equivalent</b>  |           |
|           |   |           |
|           |   |           |
|           | <b>NOTE: Sample(s) of Trolleys must be provided with the Technical Bid</b>  |           |
|           |   |           |
| <b>29</b> | <b>Emergency Crash Trolley</b>  | <b>20</b> |
|           | Stainlews Steel 304 Grand finish Top with 1/2 Stainless Steel Pipe Rail,  |           |
|           | Heavy Duty 18 SWG Sheet Body Structure with 18 SWG Pipe Work  |           |
|           | Detachable molded Bins in top 2 drawers, Equipped with side Bumpers   |           |
|           | 5" Imported Casters with 2 breaks,  |           |
|           | Scratch resistance epoxy powder coated  |           |
|           |   |           |
| <b>30</b> | <b>Instrument Trolley</b>   | <b>20</b> |
|           | Stainless Steel 304   |           |
|           | 22" x 36" x 35"   |           |
|           | 22 SWG Square Pipe Work   |           |
|           | 2 Shelves, with imported Casters  |           |
|           |   |           |
| <b>31</b> | <b>Medicine Trolley</b>   | <b>20</b> |
|           | Stainless Steel 304 Grand finish Top,   |           |
|           | Heavy Duty 18 SWG Sheet body Structure with 16 SWG Pipe Work  |           |
|           | 16 Detachable Bins, 1 Drawer Detachable molded Bin  |           |
|           | Equipped with Side Bumpers,   |           |
|           | 5" Imported Casters with 2 breaks   |           |
|           | Scratch resistance epoxy powder coated  |           |
|           |   |           |
| <b>32</b> | <b>Dressing Trolley</b>   | <b>10</b> |
|           | S.S Trolley (Stainless Steel 304)   |           |
|           | 3 Shelves with 1 Drawer   |           |
|           | Size 22" x 18" x 35"  |           |



|           |   |           |
|-----------|---|-----------|
|           |   |           |
| <b>33</b> | <b>Hamper Trolley</b>   | <b>4</b>  |
|           | 33" Height Square   |           |
|           | 1 1/4" 16SWG Round Pipe Work  |           |
|           | Water Resistant Square Parachute Bag  |           |
|           | 3" Imported Breakable Casters   |           |
|           | Complete Scratch Resistance Powder Coated   |           |
| <b>34</b> | <b>Basin Trolley with (Steel Basin)</b>   | <b>15</b> |
|           | Double Bowl Stand (Stainless Steel 304)   |           |
|           | Stainless Steel 304, Two Stainless Steel Bowls  |           |
|           | 1 1/4 Round Pipe, with SS Mobile  |           |
|           | Imported Casters  |           |
| <b>35</b> | <b>B.P. Apparatus Mobile</b>  | <b>20</b> |
|           | Basement: Zinc die-casting  |           |
|           | Size: 43 x 43 x 110 x 140 cm  |           |
|           | Cuff: Cotton 14 x 54 cm (gray)  |           |
|           | Valve: Standard type  |           |
|           | Glass Tube: 3 mm (diameter) x 311 mm  |           |
|           | Stand Shaft flexibility range: 300 mm   |           |
|           | Master Package: 3 unit, 0.1152 m, 16 kg   |           |
| <b>36</b> | <b>Nebulizer Machine</b>  | <b>10</b> |
|           | <b>Make &gt;&gt;</b>  |           |
|           | <b>Model &gt;&gt;</b>   |           |
|           | <b>Sole Agent In Pakistan&gt;&gt;</b>   |           |
|           | One button operation  |           |
|           | Produces a fine mist as small as 5 um MMD   |           |
|           | Lightweight, weight less than 3 oz  |           |
|           | Runs quietly  |           |
|           | Pediatric and adult use   |           |
|           | Ideal for patients experiencing asthma, allergies, COPD or other respiratory conditions |           |
|           | Kits includes   |           |
|           | NE-C801 Nebulizer   |           |
|           | AC Adaptor  |           |
|           | <b>5 Air Filters</b>  |           |
|           | <b>Instruction manual</b>   |           |
|           | <b>Storage bag</b>  |           |
|           | <b>Air tube 100cm length</b>  |           |
|           | <b>Mouth Piece</b>  |           |
|           | <b>Country of Origin: UK/USA/Japan/China or equivalent</b>                              |           |

|           |   |          |
|-----------|---|----------|
| <b>37</b> | <b>X-Ray Illuminator 4 box</b>  | <b>4</b> |
|           | Powder Coated 4 Bank  |          |
|           | 22 SWG MS Body Structure  |          |
| <b>38</b> | <b>Miltimedia with Screen 2700 Lumens</b>   | <b>8</b> |
|           | <b>Make &gt;&gt;</b>  |          |
|           | <b>Model &gt;&gt;</b>   |          |
|           | <b>Sole/Authorized Agent In Pakistan&gt;&gt;</b>  |          |
|           | <b>Specification :</b>  |          |
|           | Display System 3 LCD system   |          |
|           | Size of effective display area : 0.59" (15mm x 3 BrightEra LCD Panel. Aspect ratio: 16:10   |          |
|           | Number of Pixels : 3.072,000 (1280x800x3) pixels  |          |
|           | Focus and Zoom powered Manual   |          |
|           | Type and Wattage : Ultra high pressure mercury lamp. 210w type  |          |
|           | Lamp Replacement Time: Lamp mode: High-4000H Lamp Mode: Standard-6000H, Lamp mode: Low - 10000 H  |          |
|           | Light Output : High 2700 Lumes, Standard-1900Lumes, Low-1500 Lumes  |          |
|           | Contrast ratio (full white/full black)  |          |
|           | Display Resolution : Computer input, UXGA 1600x1200 dots  |          |
|           | Connectors : Mini D-sub 15-pin, S VIDEO in, HDMI in (HDCP)/Lan/USB/Video Out/Audio Out  |          |
| <b>39</b> | <b>Sterlization Boiler Autoclave</b>  | <b>2</b> |
|           | <b>Make &gt;&gt;</b>  |          |
|           | <b>Model &gt;&gt;</b>   |          |
|           | <b>Sole/Autorized Agent In Pakistan&gt;&gt;</b>   |          |
|           | Steam Sterlizer Horizontal, Electric & Gas (Operated Separetely), for Sterlization  |          |
|           | Double Chamber  |          |
|           | Chamber Inner Size 16"x30"  |          |
|           | Double Chamber Material Stainless Steel (Inner) 10 Gauge & (Outer) 14 Gauge, (type of material 304 grade)   |          |
|           | Water Chamber S/S 14 Gauge, (type of material 304 grade)  |          |
|           | Outer Body of upper chamber Mid Steel Painted   |          |
|           | Lid S/S with Heavy Hinge Forged Steel & Key Nuts Gun metal  |          |
|           | With Steam Pressure Gauges (Imported)   |          |
|           | Steam Pressure Safety Valve made of gun metal (Local)   |          |
|           | Steam Pressure Release Valves Kitz (Imported)   |          |
|           | Steam Pressure Gauge+Steam pressure safety valve+Steam pressure release valve fitted through Y shape connector (made of gun metal) to upper chamber |          |
|           | Frame work with MS Heavy Tubes 1 1/4 & 1 1/2 x 1.5mm thick,   |          |
|           | Upper chamber fitted on heavy duty cast iron brackets for more stability & strength   |          |

|           |  |           |
|-----------|--|-----------|
|           | One Connecting pipe & two supporting Rod made of S.S Between upper chamber & water chamber   |           |
|           | Capacity 80 to 85 Ltr  |           |
|           | <b>Country of Origin: UK/USA/Europe or equivalent</b>  |           |
|           |  |           |
| <b>40</b> | <b>Ophthalmoscope</b>  | <b>2</b>  |
|           | <b>Make &gt;&gt;</b>   |           |
|           | <b>Model &gt;&gt;</b>  |           |
|           | <b>Sole Agent In Pakistan&gt;&gt;</b>  |           |
|           | Direct Ophthalmoscope  |           |
|           | For Ultimate control of Lenses, Graticules and Filters   |           |
|           | By a touch of finger tip without the need to pull away from the patient  |           |
|           | Positive action Maywheel and comprehensive lens range  |           |
|           | Xenon Illumination for a brighter and whiter long lasting light  |           |
|           | Swing over filters, Red Free filter for enhanced vessel examination can be used in conjunction with any of the 6 diagnostic beams. |           |
|           | Integrated Brow rest   |           |
|           | 3.6 V Rechargeable Lithium Battery handle  |           |
|           | With Lithium-ion Battery charger. For fast charging  |           |
|           | To provide over 2 hours of continuous use.   |           |
|           | <b>FDA approved/CE marked</b>  |           |
|           | <b>Country or Origin: UK/USA/Japan or equivalent</b>   |           |
|           |  |           |
|           |  |           |
| <b>41</b> | <b>Proctoscope</b>   | <b>2</b>  |
|           |  |           |
|           |  |           |
| <b>42</b> | <b>Otoscope</b>  | <b>10</b> |
|           |  |           |
|           |  |           |
| <b>43</b> | <b>Weight Machine</b>  | <b>5</b>  |
|           | Mechanical Weight & Height Scale   |           |
|           | Body Weight Capacity 5Kg to 160Kg or more  |           |
|           |  |           |
|           |  |           |
| <b>44</b> | <b>Electric Boiler</b>   | <b>10</b> |
|           | Size 8"x16"  |           |
|           | one element  |           |
|           | Electric Sterilizer  |           |
|           | (Local or equivalent   |           |

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|           |  |           |
| <b>45</b> | <b>Oxygen Cylinder 120CFT 3.398 Cum (Standard) with Trolley</b>      | <b>50</b> |
|           | Brand New  |           |
|           | Linde Tested   |           |
| <b>46</b> | <b>Oxygen Cylinder Size 220 CFT 6.23 Cum (Standard) with Trolley</b> | <b>50</b> |
|           | Brand New  |           |
|           | Linde tested   |           |
| <b>47</b> | <b>Oxygen Cylinder Size 48 CFT 1.699 Cum (standard) with Trolley</b> | <b>30</b> |
|           | Brand New  |           |
|           | Linde Tested   |           |
| <b>48</b> | <b>Mayo Style Instrument Trolley</b>                                 | <b>2</b>  |
|           | <b>Stainless steel</b>   |           |
|           | <b>Adjustable Hieght for 74 - 112 cm</b>                             |           |
|           | <b>Anti Static Castors</b>   |           |
|           | <b>Overall Dimension 67x47x74 - 112cm</b>                            |           |
|           | <b>Tray Size 2x27x36cm</b>   |           |
| <b>49</b> | <b>Refrigrator Large Size Double Door</b>                            | <b>4</b>  |
|           | Double Door  |           |
|           | Size 18 Cu Feet  |           |
|           | One year warranty  |           |
|           | <b>Dawalance/Haier or equivalent</b>                                 |           |
| <b>50</b> | <b>Deep Freezer Large Size</b>                                       | <b>4</b>  |
|           | Size 18 Cu Feet  |           |
|           | One year warranty  |           |
|           | <b>Dawalance/Haier/Waves or equivalent</b>                           |           |
| <b>51</b> | <b>Slpit Air Conditioner 1.5 Ton</b>                                 | <b>15</b> |
|           | With Pipe 10 Feet & Fitting  |           |
|           | with Electric Points, Cut out/Circuit Breaker                        |           |
|           | Wire & Fitting and Bracket   |           |
|           | One year warranty  |           |
|           | 3 years compressor warranty  |           |
|           | <b>Acson/Daiken/Gree or equivalent</b>                               |           |

|           |   |   |
|-----------|---|---|
|           |   |   |
| <b>52</b> | <b>Split Air Conditioner 2 Ton</b>            | <b>10</b>   |
|           | With Pipe 10 Feet & Fitting                   |   |
|           | with Electric Points, Cut out/Circuit Breaker |   |
|           | Wire & Fitting and Bracket                    |   |
|           | One year warranty                             |   |
|           | 3 years compressor warranty                   |   |
|           | <b>Acson/Daiken/Gree or equivalent</b>        |   |
| <b>53</b> | <b>Window Airconditioner 1.5 Ton</b>          | <b>6</b>  |
|           | with Circuit Breaker                          |   |
|           | One year warranty                             |   |
|           | 3 years compressor warranty                   |   |
|           | with fitting and installation                 |   |
|           | <b>General/Acson/Daiken or equivalent</b>     |   |
| <b>54</b> | <b>Tower Type Air Conditioner 4 Ton</b>       | <b>4</b>  |
|           | With Pipe 10 Feet & Fitting                   |   |
|           | with Electric Points, Cut out/Circuit Breaker |   |
|           | Wire & Fitting and Bracket                    |   |
|           | One year warranty                             |   |
|           | 3 years compressor warranty                   |   |
|           | <b>Acson/Daiken or equivalent</b>             |   |
| <b>55</b> | <b>Photo Copier Machine</b>                   | <b>4</b>  |
|           | <b>GENERAL</b>                                |   |
|           | Warm up time                                  | 31 seconds  |
|           | First output speed                            | B/W 8.8 seconds   |
|           | Continous output speed                        | B/W 25 pages per minute                                       |
|           | Memory  | Standard 256 MB   |
|           | Diamension (WxDxH)                            | 587x581x461/537 mm  |
|           | Weight  | 29/33.5 K.g   |
|           | Power source                                  | 220-240V 50/60 Hz   |
|           | <b>COPIER</b>                                 |   |
|           | Copying Process:                              | Laser beam scanning/marketing & electro-photographic printing |
|           | Multiple copying                              | Upto 99 copies  |
|           | Resolution                                    | 300 x 600 dpi, 600 x 600 dpi                                  |
|           | Zoom  | From 50% to 200%  |
|           | <b>PRINTER</b>                                |   |
|           | Printer language                              | Standard GDI  |
|           | Print resolution                              | GDI (600 dpi)   |
|           | <b>Interface</b>                              | <b>Standard USB 2.0 Option: Ethernit</b>                      |
|           | Network protocol                              | Option (TCP/IP)   |

|  |  |
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| <b>SCANNER</b>   |  |
| Scanning Speed   | 200 dpi, Full colour (A4), B/W (A4)  |
| Resolution   | Standard - 600 dpi   |
| File format :  | Single page TIFF, Single page JPEG Single page PDF, Multi page TIFF, Multi page PDF        |
| Bundled drivers :  | Network TWAIN  |
| Scan to (Option):  | E-mail (Requirement), Folder (Protocop support)  |
| <b>PAPER HANDLING</b>  |  |
| Recommended paper size                                       | Standard paper tray (s), A3, 4, A5, B4, B5, Bypass tray: A3, A4, A5, A6, B4, B5, B6        |
| Paper input capacity   | Standard: 350 sheets Maximum: 1,350 sheets   |
| Paper output capacity:                                       | Standard 250 sheet   |
| Paper weight:  | Paper tray(s), 52 - 105 g/m2, Bypass tray: 52-216g/m4, Duplex: 04-105g/m2, ADF:64-128 g/m2 |
| <b>with Local Trolley</b>                                    |  |
| <b>Country of Origin : China/Japan/Germany or equivalent</b> |  |
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