

NO.F.1-6/2016-17-AD(M)/JPMC/14320  
GOVERNMENT OF SINDH  
JINNAH POSTGRADUATE MEDICAL CENTRE  
KARACHI-75510

Dated <sup>30</sup> January, 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 development scheme namely "Strengthening & Improvement of JPMC, Karachi for the year 2016-17. The said tender has 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

**DR. SEEMIN JAMALI**  
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.

NO. 897  
DATED: 03-02-17

GOVERNMENT OF SINDH  
JINNAH POSTGRADUATE MEDICAL CENTRE  
KARACHI-75510

**TENDER NOTICE**

Scaled tenders addressed to the Executive Director, JPMC, Karachi are invited for the purchase of Machinery & Equipment through development scheme namely "Strengthening & Improvement of JPMC, Karachi for the year 2016-17 as per procedure laid down under rules 46(2) of Sindh PPRA-2010:-

Tender No.	Category of Tenders	Cost of Tender	Value of Tender	Bid Security	Date of submission & opening
F.1-6/2016-17-AD(M)/JPMC	Purchase of Machinery & Equipment through development scheme "Strengthening & Improvement of JPMC, Karachi i) Essential Accessories for Electron Microscope ii) Equipment required for newly build Chest ICU and High Dependency Ward (partial) iii) Accessories required for Digital Flat Panel Mammography System	Rs.2,000/	80 million	2.5% of quoted items	23-02-2017
F.AD(G)/4/2016-17/JPMC	Improvement & Enhancement of Security Measures	Rs.1,000/	40 million	2.5% of quoted items	23-02-2017

Tenders documents (list of items and terms and conditions) can be purchased from Cashier of this Centre against cash payment of each category from 06-02-2017 to 22-02-2017 during office hours on working days i.e. (Monday to Saturday). Tender will be submitted at the Committee Room of administration block on 23-02-2017 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



Tuesday January 31, 2017

جلد نمبر 6 منزل 2 جمادی الاول 1438ھ 31 جنوری 2017ء شمارہ نمبر 77  
 رجسٹرڈ نمبر 357 فون نمبر: 021-111-177-777، 021-111-177-777، 021-35114030 صفحات 16 قیمت 13 روپے

**حکومت سندھ**  
**جناح پوسٹ گریجویٹ میڈیکل سینٹر**  
 کراچی - 75510

**ٹینڈر نوٹس**

سندھ PPRا 2010 کی دفعہ (2)46 میں دئے گئے طریقہ کار کے تحت سال 2016-17 کے لئے ترقیاتی اسکیم بنام "Strengthening & Improvement of JPMC, Karachi" کے ذریعے مشینری اور آلات کی خریداری کے لئے ایگزیکٹو ڈائریکٹر، JPMC، کراچی کو سربراہ ٹینڈرز مقرر کیا گیا ہے۔

ٹینڈر نمبر	ٹینڈر کا معیار	ٹینڈر لاگت	ٹینڈر کی رقم	ہولی سکوری / بج کا نام	بج کی تاریخ
F.1-6/2016-17-AD(M)/JPMC	ترقیاتی اسکیم بنام "Strengthening & Improvement of JPMC, Karachi" کے ذریعے مشینری اور آلات کی خریداری (i) - ایکشن پلان ماڈرن سٹاکس کے لئے ضروری سامان (ii) - یوٹیمر جوسٹ ICU اور پالی ڈسٹری ہاؤس کے لئے مطلوب سامان (حصہ) (iii) - ڈیجیٹل فلیٹ بینک برائے کراچی مسلم کے لئے مطلوب سامان	2,000/- روپے	80 لاکھ	کوٹ کی گئی اشیا کا نام 2.5 لاکھ	23-02-2017
FADG/42016-17/JPMC	خاص اقدامات میں بحری اور سامان	1,000/- روپے	40 لاکھ	کوٹ کی گئی اشیا کا نام 2.5 لاکھ	23-02-2017

ٹینڈر دستاویزات (اشیا و قیمت اور شرائط و ضوابط) اس سائٹ کے کوشش سے ہر کنگری کی تعداد گنتی کے ذریعے 2017-02-06 تا 2017-02-22 دفتر کی اوقات کار کے دوران کام والے دنوں یعنی (پیر تا ہفتہ) خرید سے جاسکتے ہیں۔ ٹینڈر رائے مشورتن بلاک کے کئی روم میں 23-02-2017 کو صبح 09:00 بجے تا 11:00 بجے کے دوران منع کیا جائیگا اور اس دن صبح 11:30 بجے امیدواران کے نمائندگان کی موجودگی میں کھولے جائیگے۔ مزید تفصیلات کے لئے فون نمبر 1300 99201، ایکسٹینشن نمبر 2413، 2256 اور 2548 پر رابطہ کریں۔

**و س خ ل ا**  
**ایگزیکٹو ڈائریکٹر**  
 J.P.M.C.، کراچی

8398

INF-KRY-474/17

ABC Certified

سورهيه مريبن سوپ کي ته دل جا وهم وسار - پٽائي

روزاني سنڌ جي عوام جو حقيقي آواز

**سوپ**

Daily SOBH Karachi

ايڊيٽر: ظهير ميراڻي

ڪراچي

021-35156121-6, 022-2650855-7

جلد 12 | اڱارو 31 جنوري 2017ء بمطابق 02 جمادي الاول 1438ھ | قيمت 10 روپيا | شمارو 267

حڪومت سنڌ

سناح پراسسنگ ۽ مينيجمينٽ ڊيپارٽمينٽ ڪراچي - 75510

**ٽينڊر نوٽيس**

سنڌ SPPR-2010 جي رول 46(2) تحت لاڳو طريقو تحت سال 2016-17 لاءِ JPMC، ڪراچي جي اسٽريٽنگ ۽ امپروومينٽ نالي ترقياتي اسڪيم ذريعي مشينري ۽ ايڪوپمينٽ جي خريداري جي لاءِ ايگزيڪيوٽو ڊائريڪٽر، JPMC، ڪراچي جي ايڊريس تي مهربند ٽينڊرز گهرجن ٿا

ٽينڊر نمبر	ٽينڊرز جي ڪيٽيگري	ٽينڊر جي لاڳت	ٽينڊر جي رقم	ٽينڊر جي بڊ	جمع ڪرائڻ ۽ کولجڻ جي تاريخ
F-1-62016-17-ADOM/JPMC	ڪراچي جي اسٽريٽنگ ۽ امپروومينٽ نالي ترقياتي اسڪيم ذريعي مشينري ۽ ايڪوپمينٽ جي خريداري (i) اليڪٽرون مائڪرو اسڪوپ لاءِ ضروري ايڪسپريز (ii) نئين تعمير ٿيل چيسٽ ICU ۽ هاءِ ڊيپنٿينسي وارو (partial) لاءِ گهريل ايڪوپمينٽ (iii) ڊجيٽل فليٽ پينل ميموگرافي سسٽم لاءِ گهريل ايڪسپريز	2,000 روپيا	80 ملين	آپيل آئيمز جو 2.5%	23-02-2017
PADGM/2016-17/JPMC	حفاظتي قلمن جو سنارو ۽ انهنسپينٽ	1,000 روپيا	40 ملين	آپيل آئيمز جو 2.5%	23-02-2017

ٽينڊر دستاويز (آئيمز جي فهرست ۽ شرط ۽ ضابطو) هن سائٽ جي ڪيشيئر وٽان هر هڪ ڪيٽيگري جي روڪ اداگي تي 06-02-2017 کان 22-02-2017 تائين ڪم ڪار وارن ڏينهن يعني (سومر کان ڇنڇر) تي آفيس وقت دوران خريد ڪري سگهجن ٿا. ٽينڊر ايڊمنسٽريشن بلاڪ جي ڪاميٽي، روم ٻه 23-02-2017 تي صبح 09:00 کان صبح 11:00 وڳي جي دوران جمع ڪرايا ويندا. ساڳيا حصو وٺندڙ فرم جي نمائندگي جي موجودگي وٺڻ سان ڏينهن تي صبح 11:30 وڳي کوليا ويندا. وڌيڪ تفصيلن جي لاءِ راءِلو ڪندا فون نمبر 99201300 ايڪسٽينشن 2413، 2256 ۽ 2548

INF-KRY-No.474/17

اڻڪريڪيٽو ڊائريڪٽر

31-1-17



### CHAIWALA'S STORY FROM RAGS TO RICHES

Blue-eyed Anshul (colloquially called Chaiwala) became an overnight celebrity when his photo went viral on the social media. People started calling him Patil's nuclear weapon that could be unleashed for surgical strikes on Indian girls. He became overnight sensation when a local photographer captured his photo and printed it on social media.

SHOWBIZ

WEATHER  
ISLAMABAD  
38°C/21°C  
LAHORE  
36°C/21°C  
KARACHI  
33°C/30°C

# The Nation

JAMADI-UL-AWAL 3, 1438  
WEDNESDAY,  
FEBRUARY 1, 2017

## GOVERNMENT OF SINDH JINNAH POSTGRADUATE MEDICAL CENTRE KARACHI-75510

### TENDER NOTICE

Scaled tenders addressed to the Executive Director, JPMC, Karachi are invited for the purchase of Machinery & Equipment through development scheme namely "Strengthening & Improvement of JPMC, Karachi for the year 2016-17 as per procedure laid down under rules 46(2) of Sindh PPRA-2010:-

Tender No.	Category of Tenders	Cost of Tender	Cost of Tender	Bid Security	Date of submission & opening
F.I-62016-17-ADXM/JPMC	Purchase of Machinery & Equipment through development scheme "Strengthening & Improvement of JPMC, Karachi. I) Essential Accessories for Electron Microscope. II) Equipment required for newly build Chest ICU and High Dependency Ward (partial) III) Accessories required for Digital Flat Panel Mammography System	Rs. 2,000/-	80 million	2.5% of quoted items	23-02-2017
FAD(G)42016-17/JPMC	Improvement & Enhancement of Security Measures	Rs. 1,000/-	40 million	2.5% of quoted items	23-02-2017

Tenders documents (list of items and terms and conditions) can be purchased from Cashier of this Centre against cash payment of each category from 06-02-2017 to 22-02-2017 during office hours on working days i.e. (Monday to Saturday). Tender will be submitted at the Committee Room of administration block on 23-02-2017 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.

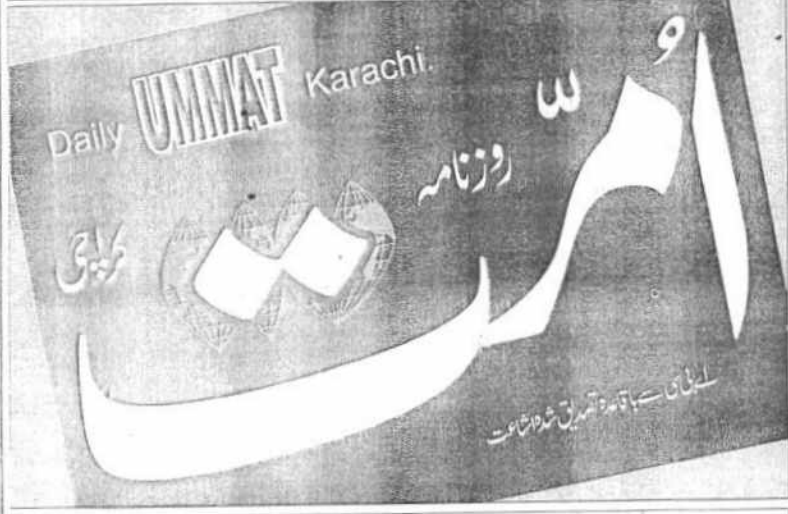
Dr. Seemin Jamali  
Executive Director  
J.P.M.C., Karachi.

INF-KRY:474/17

01-02-17

کراچی، حیدرآباد، راولپنڈی، پشاور سے یکے وقت اشاعت

تم وہ بہترین امت ہو جسے انسانوں (کی اصلاح) کے لئے میدان میں لایا گیا۔ (القرآن)



جلد ۳: شمارہ ۱۲۸ - بدھ ۳ جمادی الاول ۱۴۳۸ھ کیمرفروری ۲۰۱۷ء قیمت ۱۵ روپے

حکومت سندھ

جناح پوسٹ گریجویٹ میڈیکل سینٹر  
کراچی - 75510

**ٹینڈر نوٹس**

PPICX 2017/09/01 کی نوٹس (2)46 میں دئے گئے پراپوزل کے آئٹم سال 2016-17 کے لئے قومی اسکیم نام "Strengthening & Improvement of JPMC, Karachi" کے ذریعے مشینری اور آلات کی خریداری کے لئے ایکریڈیٹڈ اڈریسڈ JPMC، کراچی کو ریسپانڈنگ ٹینڈر مطلوب ہیں۔

ٹینڈر نمبر	ٹینڈر کا معیار	ٹینڈر کی رقم	ٹینڈر کی تاریخ	مہلی کی تاریخ
F-1-6/2016-17-ADSN/JPMC	قومی اسکیم نام "Strengthening & Improvement of JPMC, Karachi" کے ذریعے مشینری اور آلات کی خریداری اور i) ایکشن پلان یا ٹیمپلٹ کے لئے ضروری سامان ii) ٹو ٹیئر سیٹ IICLI اور پلی ڈپتھری اور کے لئے سٹور سامان (ممبر) iii) ڈیجیٹل ٹیبلٹ پرنٹنگ گرانٹی سسٹم کے لئے سٹور سامان	20000 روپے	80 مئی	23-02-2017 کوٹ کی گئی اشیا کا 2548 لیڈ
F-ADG/4/2016-17/JPMC	فاکس، قدماات میں بھری اور سٹارٹ	10000 روپے	40 مئی	23-02-2017 کوٹ کی گئی اشیا کا 2548 لیڈ

ٹینڈر دستاویزات (اشیا، قیمت اور شرائط و سواہل) اس سٹارٹ کے گیسٹو سے بریکٹری کی نقد ادائیگی کے ذریعے 2017-02-06 تا 2017-02-22 دفتر کی ادھت کار کے دوران کام والے دنوں یعنی (پیر تا ہفتہ) خریدے جاسکتے ہیں۔ ٹینڈر ڈاکیومنٹیشن بلاک کے کاپی روم میں 23-02-2017 کو صبح 09:00 بجے 11:00 بجے کے دوران پیش کیے جائیں گے اور انہیں ای دن صبح 11:30 بجے امیدواران کے نمائندگان کی موجودگی میں کولے جائیں گے۔ مزید تفصیلات کے لئے فون نمبر 099201300 یا 2256، 2413 یا 2548 پر رابطہ کریں۔

ورسٹرو  
ایگزیکٹو ڈائریکٹر  
J.P.M.C.، کراچی

کراچی کی مخالفت کریں۔ ہم دہشت گردی کے خلاف متحد ہیں۔  
INF-KRY-474/17

01-02-17

Daily  
KAWISH

روزانہ

# کاوش

اربع پهرين فيبروري 2017 ع

هڪ ئي وقت ڪراچي، حيدرآباد ۽ سکر مان شايع ٿيندڙ پهرين سنڌي اخبار

**حڪومت سنڌ**  
**جناح پوسٽ گريجوئيٽ ميڊيڪل سينٽر ڪراچي-75510**  
**ٽينڊر نوٽيس**

سنڌ SPPR-3010 جي رول 46(2) تحت لاڳو طريقڪار تحت سال 2016-17 لاءِ JPMC، ڪراچي جي اسٽريٽنگ ۽ امپروومينٽ نالي ترقياتي اسڪيم ذريعي مشينري ۽ ايڪيومينٽ جي خريداري جي لاءِ اينگريڪيوٽو ڊائريڪٽر، JPMC، ڪراچي جي آفيس تي مهربند ٽينڊرز گهرائجن ٿا

ٽينڊر نمبر	ٽينڊرز جي ڪينگري	ٽينڊر جي لاڳت	ٽينڊر جي رقم	ٻي سيڪيورٽي	جمع ضرائف ۽ ڪولڻ جي تاريخ
F-1-6/2016-17-ADXM/JPMC	JPMC، ڪراچي جي اسٽريٽنگ ۽ امپروومينٽ نالي ترقياتي اسڪيم ذريعي مشينري ۽ ايڪيومينٽ جي خريداري (i) اليڪٽرون مالڪرو اسڪوپ لاءِ ضروري ايڪسسريز (ii) نئين تعمير ٿيل جسٽ ICI ۽ هاءِ ڊيپٽينسي وارو (partial) لاءِ گهريل ايڪيومينٽ (iii) ڊجيٽل فليٽ پينٽل ميموگرافي مشين لاءِ گهريل ايڪسسريز	2,000- روپيا	80 ملين	آپيل آئينمز جو 2.5%	23-02-2017
F.AXGH4/2016-17/JPMC	حفاظتي قمن جو سٺارو ۽ انهنسيٽ	1,000- روپيا	40 ملين	آپيل آئينمز جو 2.5%	23-02-2017

ٽينڊر دستاويز (آئينمز جي فهرست ۽ شرط ۽ ضابطو) هن سينٽر جي ڪيشيئر وٽان هر هڪ ڪيٽيگري جي روڪ ادائگي تي 06-02-2017 کان 22-02-2017 تائين ڪم ڪار وارن ڏينهن يعني (سومر کان چنبر) تي آفيس وقت دوران خريد ڪري سگهجن ٿا. ٽينڊر ايڊمنسٽريشن بلاڪ جي ڪاميٽي روم ۾ 23-02-2017 تي صبح 09.00 کان صبح 11.00 وڳي جي دوران جمع ڪرايا ويندا ساڳيا حصو وٺندڙ فرم جي نمائندگي جي موجودگي ۾ ساڳي ڏينهن تي صبح 11.30 وڳي کوليا ويندا. وڌيڪ تفصيلن جي لاءِ رابطو ڪندا فون نمبر 99201300 ايڪسٽينشن 2413، 2256 ۽ 2548

دستخط  
**ايگزيڪيوٽو ڊائريڪٽر**

SAY NO TO CORRUPTION  
امان وٺو ڪري ڪم ڪرائو  
WARRIKIRAN  
8398

INF-KRY-No.474/17

01-02-17

GOVERNMENT OF SINDH  
JINNAH POSTGRADUATE MEDICAL CENTRE  
KARACHI



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**Tender for purchase of Machinery & Equipment  
through development scheme "Strengthening &  
Improvement of JPMC, Karachi"**

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**Tender No. F.1-6/2016-17-AD(M)/JPMC**

**Due on: 23-02-2017**



GOVERNMENT OF SINDH  
JINNAH POSTGRADUATE MEDICAL CENTRE  
KARACHI-75510



TENDER DOCUMENT

TENDER NO.F.1-6/2016-17-AD(M)JPMC

TENDER FOR THE PURCHASE OF MACHINERY EQUIPMENT THROUGH  
DEVELOPMENT SCHEME "STRENGTHENING & IMPROVEMENT OF JPMC,  
KARACHI FOR THE YEAR 2016-17.

DUE ON 23-02-2017

COST OF TENDER	Rs. 2,000/= (Rupees Two Thousand Only) non refundable
TENDER SELLING DATE	From 06-02-2017 To 22-02-2017
TENDER SUBMISSION PLACE	COMMITTEE ROOM ADMINISTRATION BLOCK, JPMC, KARACHI
TENDER SUBMISSION DATE	23-02-2017
TENDER SUBMISSION TIME	09:00 AM to 11.00 AM
TENDER OPENING PLACE	COMMITTEE ROOM ADMINISTRATION BLOCK, JPMC, KARACHI
TENDER OPENING DATE	23-02-2017
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.1-6/2016-17-AD(M)/JPMC  
GOVERNMENT OF SINDH  
JINNAH POSTGRADUATE MEDICAL CENTRE  
KARACHI-75510



Tender for Purchase of Machinery Equipment through development scheme  
"Strengthening & Improvement of JPMC, Karachi for the year 2016-17.

TERMS AND CONDITIONS / INSTRUCTIONS TO BIDDERS

- 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 Bidder shall prepare bid containing "**FINANCIAL PROPOSAL**" and "**TECHNICAL PROPOSAL**" in bold and legible letter to avoid confusion. The financial and technical bids, each consisting of the documents listed above.  
  
In Technical Proposal the bidder must provide the original Data sheet and Technical brochure, Income Tax, Sales Tax, Sole Agency certificate and other documents; otherwise the bid will not be accepted.  
  
In Financial Proposal, the bidder should provide bid security / earnest money at the rate of 2.5% of the quoted value. Financial Proposal should contain quoted rate and original bid security.
- 3) The purchaser will initially open only the envelopes marked "**Technical Proposal**" in the presence of Bidders or their representatives who chose to be present at the time of bid opening date, time and place specified in the tender documents. The Bidder or their representative who are present shall sign the attendance sheet. The envelope marked "**Financial Proposal**" shall be retained in the custody of purchaser without being opened till the completion of the Technical Evaluation.
- 4) 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.
- 5) The bidders shall quote their prices inclusive of all Octroi, transportation etc, and all other expenses on free delivery to Consignee's end in local currency.
- 6) Price should be quoted in clear manner including of Figures & words both, failing which the offer will be ignored.
- 7) The bid prepared by the Bidder shall comprise the following documents:
  - (a) Bid Form & Price Schedules duly completed by the Bidder.
  - (b) The Bidder shall furnish a bid security @ 2.5% of the quoted value in the form of Pay Order / Bank Draft in the financial proposal.
  - (c) The original catalogue must accompany with offer.

- (d) Valid Sole Agency / Authorized Dealer Certificate from the manufacturer must be provided by the bidder.
  - (e) The service manual with circuit diagram will be provided (for equipment)
  - (f) A certificate from the manufacturer that the offered machine / equipment being used in the country of origin.
  - (g) A detail data sheet having description of the essential technical and performance characteristics of the offered equipment.
  - (h) The original tender purchase receipt.
  - (i) Bidders shall purchase separate tender document and furnish purchase receipts for alternate offer, in case they want to submit alternate offer. Any item's bid with alternate offers without separate purchase receipt (Original) is supposed to be rejected.
  - (j) The bidder shall furnish copy of valid Professional Tax (Excise & Taxation) Certificate/Income Tax Certificate/GST Registration Certificate.
  - (k) Bidder shall submit guarantee letter that the supplied Machinery / Equipment is the original / brand new product / latest model, none of the part is replaced, old or refurbished.
  - (l) Bidder must enclose a list of users in Sindh / Pakistan of the quoted items. Bidder must submit the proof for the availability of workshop & trained engineers qualified persons for the machines at Sindh for after sale service.
  - (m) Bidder must enclose sealed Bank letter of financial capacity of firm addressed to the Executive Director JPMC, Karachi in financial proposal.
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  - 10) All pages of the bid shall be signed & duly stamped by the person or persons signing the bid except for un-amended printed literature and duly stamped.
  - 11) The bid shall contain no alterations, omissions, or additions, unless such corrections are initialed by the person or persons signing the bid.
  - 12) Bids shall be submitted either by the manufacturer or its sole agent, if submitted by the manufacturer itself then bid of authorized sole agent will be rejected. No sublet will be allowed.
  - 13) Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price, which is obtained by multiplying the unit price and quantity, or between subtotals and the total price, the unit or subtotal price shall prevail, and the total price shall be corrected. If there is a discrepancy between words and figures, the amount in words will prevail. If the Bidder does not accept the correction of errors, its bid will be rejected.



- 14) For Purchase on C&F/CFR (Cost and freight) basis, 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. JPMC Administration will provide help as and when required.
- 15) The Vender has to open Letter of Credit in the name of Executive Director, Government of Sindh, Jinnah Postgraduate Medical Centre, Karachi and also mentioned JPMC FTN No. in L/C for item(s) as per purchase order. A copy of all documents should be submitted to JPMC time to time. Only JPMC should be the consignee of the equipment.
- 16) JPMC Administration will assist the vendor in clearing the consignment; JPMC will provide Undertaking and other letters for the exemption of the payment of Sale Tax, Customs charges, Income Tax and other taxes applicable on such import.
- 17) All the (applicable) Government taxes (Income Tax / Stamp Duty) of the value of the contract amount will be deducted from the bills of the Contractors / Suppliers.
- 18) The Competent Authority reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to award of contract under the relevant provisions of SPP Rules 2010 (Amended 2013), without thereby incurring any liability to the affected bidder or bidders or any obligation to inform the affected bidder or bidders of the grounds for the Purchaser's action.
- 19) Prior to the expiration of the period of bid validity, the Purchaser will notify the successful Bidder through Advance acceptance. This will constitute the formation of the contract. Within seven (07) days after receipt of the Advance acceptance, the successful Bidder shall furnish the performance security @ 10% of the contracted amount in the form of Pay Order / Bank Draft / Bank Guarantee and will sign the contract agreement.
- 20) Bid validity can be extended as per SPP Rule 2010 (Amended 2013).
- 21) Sole / Authorized Dealer or Agent once nominated by the manufacturer will be for the whole contract period and manufacturer cannot change during the year in any case. In exceptional cases the tendering authority may approve changes. If the authorized dealer fails to complete the assignment in parts/total then manufacturing company should be responsible to complete the assignment on condition.
- 22) The supplier should submit the bill/Invoice for payment addressed to the Executive Director, JPMC, Karachi after opening of L/C along with following documents :
  - i. Three copies of Bill/Invoice
  - ii. Undertaking on stamp paper
  - iii. Three copies of Purchase Order
  - iv. Original shipping documents i.e. (Bill of lading, Performa Invoice, Packing list, insurance, etc.).



## General & Special Conditions of Contract

- 1) The Contract shall be governed by and interpreted in accordance with laws of the Islamic Republic of Pakistan.
- 2) Store is required within delivery period. The bidder may however give their short guaranteed delivery period by which the supply will be completed but not later than 120 days from date of purchase order.
- 3) If the Contractor fails to attain Completion of the supply or installation within the Time for Completion shall pay to the Purchaser liquidated damages at the rate of 2% per month (0.5% per week) of the Contract Price, or the relevant part thereof. The aggregate amount of such liquidated damages shall in no event exceed the amount of 10%. Once the "Maximum" is reached, the Purchaser may consider termination of the Contract and action will be taken as per SPPRA rule.
- 4) The manufacturer should provide an undertaking that if his sole agent fails to carry out any assignment in total or in part, manufacturer will be responsible to carry out the same.
- 5) The Contract Price shall be made to the Contractor as specified in the Contract Agreement, subject to the general principle / procedure of the Government of Sindh.
- 6) The Contract shall be executed in accordance with the Contract Documents and procedures.
- 7) The Purchaser or its representative shall inspect the Machinery / Equipment to confirm their conformity to the Contract specification. The inspection will be conducted at the premises of consignee after receipt of supply.
- 8) The Contractor warrants that the supplied equipment or any part thereof shall be free from defects in the design, engineering, materials etc. In case of defect in any part at the time of supply of installation it shall be replaced with new one instead of repair.
- 9) The purchaser, without prejudice to any other remedy for breach of contract by written notice of default sent to the supplier, may terminate this contract in whole or in part:
  - (a) If the supplier fails to deliver any or all of the contracted items within the period(s) specified in the Contract, or within any extension thereof granted by the Purchaser.
  - (b) If the Supplier fails to perform any other obligation(s) under the Contract.
  - (c) If the supplier, in the judgment of the Purchaser has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.
- 10) Service charges @ current prevailing charges of the value of the Contract will realized/charged by the A.G. Sindh, while making payment to the contractors for award of each contract.
- 11) Warranty period should be TWO years.



### Criteria for evaluation of bids

- 1 Earnest money submission (Original attach with financial proposal and copy attach with technical proposal).
- 2 Compliance of terms and conditions, required documents / information as described in the Instructions of bidders, General and special conditions of the bid document. Bidder must qualify the bid evaluation. Only qualified bid evaluation bidders will be evaluated technically.
- 3 Relevant Experience and past performance of manufacturer / sole distributor in terms of supply & after sale service.
- 4 After sale service facility with availability of work shop, Technical staff, Tools and spare parts.
- 5 Authority letter from manufacturer with validity period not less than two years.
- 6 Submission of original Catalogue with complete mailing address of the company, telephone / Fax Nos. and Web site for each quoted item.
- 7 Technical evaluations as per tender specification.
- 8 Operational cost of equipment.
- 9 Delivery schedule.
- 10 Evaluation of quoted price (After opening financial proposal).

### UNDERTAKING

- a) That I/we agree whether our tender accepted for total, partial or enhanced quantity for all or any single item. I/We also agreed to supply and accept the said item at the rates for the supply of contracted quantity within the stipulated period shown in the contract.
- b) I/We understand and confirm the refund of cost difference if the same goods is/was supplied at lower rates to any other Govt. /Semi Govt. institution in the province in the same fiscal year.
- c) I/We undertake that, if any of the information submitted in accordance to this tender Enquiry found incorrect, our contract may be cancelled at any stage on our cost and risk.

### CERTIFICATE

**We guarantee to supply the stores exactly in accordance with the requirement specified in the invitation to this tender.**

Signature of Tenderer -----

Name & Designation-----

Address:-----



GOVERNMENT OF SINDH  
JINNAH POSTGRADUATE MEDICAL CENTRE  
KARACHI



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Tender for purchase of Machinery & Equipment  
through development scheme "Strengthening &  
Improvement of JPMC, Karachi"

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Tender No. F.1-6/2016-17-AD(M)/JPMC

Due on: 23-02-2017

GOVERNMENT OF SINDH  
JINNAH POSTGRADUATE MEDICAL CENTRE  
KARACHI-75510



TENDER DOCUMENT

TENDER NO.F.1-6/2016-17-AD(M)JPMC

TENDER FOR THE PURCHASE OF MACHINERY EQUIPMENT THROUGH  
DEVELOPMENT SCHEME "STRENGTHENING & IMPROVEMENT OF JPMC,  
KARACHI FOR THE YEAR 2016-17.

DUE ON 06-03-2017

COST OF TENDER	Rs. 2,000/= (Rupees Two Thousand Only) non refundable
TENDER SELLING DATE	From 06-02-2017 To 22-02-2017
TENDER SUBMISSION PLACE	COMMITTEE ROOM ADMINISTRATION BLOCK, JPMC, KARACHI
TENDER SUBMISSION DATE	23-02-2017
TENDER SUBMISSION TIME	09:00 AM to 11.00 AM
TENDER OPENING PLACE	COMMITTEE ROOM ADMINISTRATION BLOCK, JPMC, KARACHI
TENDER OPENING DATE	23-02-2017
TENDER OPENING TIME	11:30 AM

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





Tender for Purchase of Machinery Equipment through development scheme  
"Strengthening & Improvement of JPMC, Karachi for the year 2016-17.

TERMS AND CONDITIONS / INSTRUCTIONS TO BIDDERS

- 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 envelop 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 Bidder shall prepare bid containing "**FINANCIAL PROPOSAL**" and "**TECHNICAL PROPOSAL**" in bold and legible letter to avoid confusion. The financial and technical bids, each consisting of the documents listed above.  
  
In Technical Proposal the bidder must provide the original Data sheet and Technical brochure, Income Tax, Sales Tax, Sole Agency certificate and other documents; otherwise the bid will not accepted.  
  
In Financial Proposal, the bidder should provide bid security / earnest money at the rate of 2.5% of the quoted value. Financial Proposal should contain quoted rate and original bid security.
- 3) The purchaser will initially open only the envelopes marked "**Technical Proposal**" in the presence of Bidders or their representatives who chose to be present at the time of bid opening date, time and place specified in the tender documents. The Bidder or their representative who are present shall sign the attendance sheet. The envelope marked "**Financial Proposal**" shall be retained in the custody of purchaser without being opened till the completion of the Technical Evaluation.
- 4) 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.
- 5) The bidders shall quote their prices inclusive of all Octroi, transportation etc, and all other expenses on free delivery to Consignee's end in local currency.
- 6) Price should be quoted in clear manner including of Figures & words both, failing which the offer will be ignored.
- 7) The bid prepared by the Bidder shall comprise the following documents:
  - (a) Bid Form & Price Schedules duly completed by the Bidder.
  - (b) The Bidder shall furnish a bid security @ 2.5% of the quoted value in the form of Pay Order / Bank Draft in the financial proposal.
  - (c) The original catalogue must accompany with offer.

- (d) Valid Sole Agency / Authorized Dealer Certificate from the manufacturer must be provided by the bidder.
  - (e) The service manual with circuit diagram will be provided (for equipment)
  - (f) A certificate from the manufacturer that the offered machine / equipment being used in the country of origin.
  - (g) A detail data sheet having description of the essential technical and performance characteristics of the offered equipment.
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### CERTIFICATE

**We guarantee to supply the stores exactly in accordance with the requirement specified in the invitation to this tender.**

Signature of Tenderer -----

Name & Designation-----

Address:-----



TENDER NO.1-6/2016-17-AD(M)/JPMC

GOVERNMENT OF SINDH  
JINNAH POSTGRADUATE MEDICAL CENTER  
KARACHI 75510



TENDER FOR THE PURCHASE OF MACHINERY/ EQUIPMENT THROUGH DEVELOPMENT SCHEME "STRENGTHENING & IMPROVEMENT OF JPMC, KARACHI" FOR THE YEAR 2016-17. DUE ON 23-02-2017

Sl. No.	NAME OF ITEM (SPECIFICATION)	Req. Qty.
Sl. No.	Column - 2	Column - 3
1	<b>Digital Flat Panel Detector to be installed as retrofit with Mammography Machine</b>	1
	Flat panel detector or convert mammography machine into digital system	
	Compatible with any Mammography Machine	
	Detector type: Cesium iodide detector	
	Image area : 24x30"	
	Pixel pitch: 76 um or better	
	Pixel matrix: 3000x2300 or better	
	A/D conversion: 16 bits or better	
	Dynamic range: 16 bits	
	Preview time: 2 sec or better	
	Cycle time: 10 sec or better	
	Weight : < 1 kg	
	Complete with mammography software	
	<b>WORK STATION AND SOFTWARE</b>	
	Workstation on Mobile Trolley	
	Medical Grade display 27" or more	
	CPU: Intel Core i7	
	Operating System: Window XP Pro or better	
	Memory: at least 8GB RAM, Dual Channel, DDR	
	Hard disk drive: 500GB or more	
	<b>ACQUISITION SOFTWARE</b>	
	Comprehensive software for x-ray image	
	Image capture functions	
	Patient registration	
	Edge Enhancement	
	Image rotation	
	Image Inversion	
	Measurements	
	Post-processing marks	
	Electronic collimation, Automatic and Manual	
	Noise reduction etc	
	Image management (PACS, HIS/RIS etc.)	
	DICOM Communication, full DICOM 3.0 Compatibility	
	DICOM work list from HIS/RIS Store Images through PACS network system	
	DICOM image print	

2	Should be able to store more than 10,000 images	
2	Country of origin: USA/Europe/Korea/Japan with their respective standards Warranty Three years. Comprehensive warranty for uncounted exposures	
	<b>THORACIC MEDICINE</b>	
2	<b>DIGITAL MOBILE X-RAY MACHINE</b>	<b>1</b>
	Digital Mobile X-Ray Machine with flat panel detector	
	30kW or more High Frequency generator .	
	Microprocessor controlled mobile x-ray unit with touch screen control.	
	Ranges: 300mA/150kV or more. 40 KVp to 150 KVp or better. 0.1 to 500 mAs or more.	
	Exposure time: 1 ms. to 10 sec or better.	
	Auto diagnostic System.	
	Overload protection .	
	14 x 17" wireless Flat panel detector.	
	Type: amorphous silicon detector with a Cesium Iodide scintillator	
	DQE : Quantum > 70 %	
	A/D Conversion: 14 bit or better	
	Pixel Matrix: 2,800 × 3400 pixel or better	
	Pixel Pitch: 140 µm or better	
	Grid : 6:1	
	Battery: 2 hours or more	
	Detector weight 5kg or less	
	Integrated Workstation: Intel Core2Duo - 2.2 GHz minimum with 14" or more medical grade display. Window XP Pro or better	
	Memory: 3 GB RAM, Dual Channel, DDRII	
	Hard disk drive: 500GB or more	
	Acquisition Software	
	Graphic user interface	
	Different exposure techniques	
	Image operations : Counter clockwise/clockwise rotate, Horizontal/ Vertical flip, Add/ Clear image mark. Automatic control for proper size, Magnification image size, Image cropping etc	
	Patient registration: name/age/generator etc	
	Text annotations, manual and automatic adjustment	
	Edge Enchantment	
	Image capture functions	
	Image rotation, image Inversion, image optimization, zoom , noise reduction	
	Measurements	
	Post-processing marks	
	Image management: (PACS, HIS/RIS etc...)	
	LAN / Wifi connectivity for diagnostic workstation	
	Complete software and hard ware must be quoted.	
	DICOM Communication, full DICOM 3.0 Compatibility	



	X-Ray Tube : Heat capacity 140 KHU	
	Small focus 0.6 mm.	
	Large focus 1.2 mm.	
	Tube voltage: 40 – 150kV	
	Tube current : 500mA	
	Manual collimator	
	Electronic timer and meter	
	Accessory rails (cones, filters, etc).	
	LED Field light lamp	
	Light indicator for alignment with the bucky	
	Flexible High Tension Cables	
	Motorized tube column stand	
	Tube stand column rotation +/- 270° or better	
	Tube rotation "X" axis +/- 180°	
	Vertical tube travel 145 cm or more	
	Horizontal tube travel 50 cm or more.	
	Collimator rotation +/-90°	
	Two Independent Motors one for each wheel.	
	Forward and Backward movement	
	Battery operated for movement & exposure	
	Anti-Collision System.	
	Counterbalanced tube arm.	
	Electromagnetic breaks	
	FDA / CE approved	
	Country of Manufacturer: USA/Japan/EU (country of origin will also be same)	
3	<b>DIGITAL RADIOGRAPHY WITH FLAT PANEL DETECTOR COMPLETE WITH WORK STATION, PRINTER UNIT</b>	1
	500mA/125kV High frequency X-Ray generator with universal tube stand and mobile table.	
	<b>X-ray generator :</b>	
	High frequency inverter type microprocessor x-ray generator.	
	Three phase , 40 kW Generator or more	
	Automatic line compensation.	
	Over load tube protection.	
	Radiographic kVP 40~125kV	
	Radiographic mA 10~500mA or more	
	Exposure time: 1 ms ~ 6s or more.	
	500 or more Anatomical program.	
	<b>X-Ray Tube:</b>	
	Maximum Tension, 125 KVp.	
	Small focus 1.0 mm.	
	Large focus 2.0 mm.	
	Anode Heat capacity 140 KHU	





<b>Universal stand:</b>	
Arm: Source image distance (S.I.D): from 125 to 175cm or better.	
Vertical movement : 105cm or better.	
Arm's rotation: +/- 120° or better.	
Tube's rotation: +/- 180°.	
Bucky center/floor distance: From 39 to 155 cm.	
Tilting : +/- 45°.	
Grid: ratio 8:1 or better	
<b>X-ray table 4 way moving table:</b>	
table top dimension: length: 190-220 cm.	
height 60-90cm.	
Table top weight capacity not less then 200kg.	
<b>Manual Collimator with light indicator</b>	
<b>Flat Panel Digital X-Ray Detector (FPD)</b>	
14x17" Cesium Iodide (CsI) with Amorphous Silicon	
Pixel Matrix: 3000 (H) × 3000 (V) or more	
Pixel Pitch: 100 to 130µ m or more	
DQE : > 70 %	
A/D Conversion: 14 bit or more	
<b>Work Station Station</b>	
Processor : Intel Core I3-2120, 1GT)	
Memory : 8GB ,1600MHz /Hard Drive : 500GB 3.5inch	
Complete with hardware such as mouse, key board etc	
TFT Color monitor 18" or more/Resolution 1280 x 1024 Pixel	
DICOM Compliant DICOM 3.0 Part 14	
<b>Acquisition software:</b>	
Operation software for generator and digital panel	
Generator Synchronisation	
Image processing	
Image management (PACS, HIS/RIS etc...)	
full DICOM 3.0 Compatibility	
DICOM worklist from HIS/RIS Store Images through PACS network system	
DICOM image print	
DICOM MPPS	
DICOM CD/DVD	
Image quality control tools with pixel fixing tools	
AEC and APR	
Image cropping, Image mirror, rotate etc	
Complete with Printer and 5KVA UPS of well reputed brands such as ABB, GE, Eaton etc.	
<b>Optional:</b>	
<b>PACS</b>	
PACS for two to three modalities	
Up grade able to other modalities	
Viewing station: 6 numbers inside the chest department.	
Easy to configure	



	Scalable and upgradable	
	High operation speed	
	Advance DICOM print for different lay out and sub layouts.	
	Paper print , e-mail, CD burn	
	Capable to export DICOM images in different format	
	Capable to store patient history	
	Reporting	
	Country of Origin: UK/USA/Europe/Japan) (country of origin will also be same)	
4	<b>PORTABLE COLOUR DOPPLER ULTRASOUND MACHINE</b>	<b>1</b>
	<b>Designs and Device Support</b>	
	15" Widescreen High-Resolution LCD or more with adjustable angle of 40° or more	
	Touch screen/panel for machine control	
	Three active probe sockets or more (with trolley)	
	Built in Battery backup	
	S-Video connection	
	3 or more USB ports for data transfer	
	320GB Hard disk or better	
	DICOM 3.0 compatibility :	
	Storage: Directly transmit images with patient information to a DICOM file server	
	Print: Images can be printed directly using a DICOM compatible printer	
	DICOM Storage Commitment	
	DICOM Worklist	
	DICOM MPPS	
	DICOM Q/R	
	Medical digital images and communication DICOM 3.0 interface	
	Patient Data Management System (in-built) as standard	
	ECG Module as standard	
	<b>Standard Imaging Techniques</b>	
	Pulse Inversion Tissue harmonic imaging	
	High Pulse Repetition Frequency technology	
	Multi-beam processing technology	
	Frequency and Spatial compound imaging	
	Color Mode and B-Mode panoramic imaging	
	Trapezoidal imaging for Linear probe	
	Advanced speckle reduction technology	
	Real time Auto-Calculation for Spectral Doppler	
	Auto IMT calculation, Auto Trace for PW Spectrum	
	Single button image optimization for B-Mode, Color Mode and PW Mode	
	Elastography (Compression)	
	Contrast Imaging	
	Stress Echo function as standard	
	Tissue Doppler Imaging as standard	
	Enhanced needle visualization software for invasive procedures	



Biopsy guidance on image with multiple angle selection	
Dynamic Range: 30dB to 260dB or better	
S-flow	
Full Screen Mode	
<b>Imaging Modes and Parameters</b>	
2D Mode	
M Mode	
Anatomic M Mode	
Color M Mode	
Color Flow Mode	
Power Doppler Mode	
Directional Power Doppler Mode	
Pulsed Wave Doppler	
Continuous Wave Doppler	
Real Time Panoramic Imaging	
Tissue Doppler Imaging	
Triplex Mode	
Dual Split Mode (B-Mode & Color Mode, B-Mode & M-Mode, B-Mode & DPI Mode, B-Mode & PW Mode, B-Mode & TDI Mode)	
Quad Split Mode (B-Mode & Color Mode & TDI Mode)	
Dual Live Mode	
TEE probe compatibility as standard for future upgrade	
<b>Transducer Parameters</b>	
Multi frequency probes/transducers	
High element convex probe with 128 elements or more	
Convex probe frequency: 1 to 7MHz	
High element linear probe with 192 elements or more	
Linear probe frequency: 3 to 16MHz	
Adults cardiac probe with 80 elements or more	
Cardiac probe frequency: 2 to 8 MHz	
Volumetric Probe	
Volumetric Probe: 4 to 8 MHz	
Maximum Scanning Depth of 40.0cm or better	
Biopsy Brackets/guides	
<b>Measurement Tools</b>	
Basic 2D Mode Measurement as standard	
Basic M Mode Measurement as standard	
Basic Spectral Doppler Mode Measurement as standard	
Complete Color Flow Volume Measurement as standard	
Complete Vascular Calculation Package as standard	
Complete Cardiology Calculation Package as standard	
<b>Quality Certifications</b>	
FDA 510(k) approved	
FDA and CE Marked	



26	<b>PFT LAB (Pulmonary Function Test Laboratory)</b>	1
	Each test should be performed separately	
	<b>SPIROMETERY :</b>	
	<b>Bedside Spirometer with advance six minute walk test.</b>	
	Lung screening in any environment .	
	Exercise capacity, oxygen saturation and minute ventilation.	
	Inspiratory capacity measurement for dynamic hyper inflation assessment.	
	Full spirometry testing (FVC, SVC, MVV, Pre-Post BD) complete with software and data management.	
	Real time testing and interpretation on PC.	
	<b>Spirometer with Force Oscillation</b>	
	Force oscillation technique for assessment of lung function for children or adultery.	
	Non-invasive technique for total respiratory impedance measurement by pseudo random noise signal.	
	Test: Total Respiratory System Impedance (Zrs), Resistance (Rrs) in hPa/(l/s) & Reactance (Xrs) in hPa/(l/s). Resonance frequency, frequency dependency, average Rrs and Xrs, discriminant function	
	Complete with arm support, calibration unit, anti-bacterial filters, noise clips, rubber mouthpieces, PC software etc.	
	<b>Spirometer/Indirect Calorimetry (Desktop)</b>	
	Test: Nutritional Assessment, Resting Energy Expenditure (REE, RMR), Indirect Calorimetry (w/ Face Mask or w/ mouthpieces-antibacterial filter), Weight Management Program, Diet Planner, Standardized Measurements (WHIR, BP, RHR, etc), Body composition by Skinfold etc	
	<b>BODY PLETHYMOGRAPHY</b>	
	Box with crystal glass walls .	
	The seat must be comfortable, adjustable in height and certified for patients up to 180Kg or more	
	Controlling station on movable trolley, with electrically insulated transformer compliant with the International regulations for medical devices including compartment for safe storage of gas cylinders.	
	Body Plethysmography: TGV and related static lung volumes, airway resistance pre/post, coaching procedure (open door)	
	MIP/MEP: Computerized breathing valve occlusion, graphical presentation of pressure curves and post editing feature	
	Lung Diffusion Capacity: Rapid response CO and CH4 gas analysis with possibility to graphical optimization of sample collection volumes. Single breath and 3 equations calculation algorithms.	
	Estimated TLC during DLCO corrected for obstructive patients.	
	Test simulation (without using gas mixture) to coach subjects before testing	
	Breath hold time settings according to various standards (Jones, Ogilvie, ESP etc).	
	Realttime measurement and display of mouth pressure to identify possible muller/Valsalva maneuvers. Coaching procedure w/o inhalation of CO	
	Large constant-volume cabin (873 liters) or more	



5	<p>Ultimate pressure sensor transducers ensure maximum sensitivity with severe patient's response (range <math>\pm 1</math> cm H<sub>2</sub>O).</p> <p>Real time review on all performed TGV and RAW captures.</p> <p>Advanced Edit function for tests/trials/ captures..</p> <p>Integrated dosimeter</p> <p>Handle for dosimeter</p> <p>Nebulizer mouth piece for dosimeter</p> <p><b>Cardiac Pulmonary Exercise Test (CPET):</b></p> <p>Breath by breath measurement of VO<sub>2</sub>, VCO<sub>2</sub> and related parameters.</p> <p>Automatic calculation of the following indexes: VO<sub>2</sub>max, AT, RCP, VE/VCO<sub>2</sub> slope, OUE, VO<sub>2</sub>/HR slope Integrated SpO<sub>2</sub></p> <p>Breath by Breath (BxB) metabolic module for both Cardio Pulmonary Exercise Test (CPET) and Resting Energy Expenditure (REE) assessment.</p> <p>Latest gas analyzers technology: paramagnetic, stable and durable for the O<sub>2</sub> , rapid infrared for the CO<sub>2</sub> .</p> <p>Ergonomic multi-use silicone Face Masks , (multi size)</p> <p>Validated for wide range of test modes (for both exercise and resting applications) and exercise intensities.</p> <p>Software</p> <p>Easy data and graphs display</p> <p>Comprehensive interpretation tool</p> <p>Real time acquisition and capture of Exercise Flow-Volume loops (EFVL) for the evaluation of ventilator limitation.</p> <p>Multi-layers environment</p> <p>Ergometer Control, via RS-232 interface</p> <p>Complete with :</p> <p>12-lead Stress ECG</p> <p>Treadmills OR cycle-ergometer</p> <p>Medical grade cart with one cylinder holder, monitor LCD 22" or more</p> <p>Color Laser printer</p> <p>Online UPS 1KVA</p> <p>System should compliant with ATIS/ERS 2005 guidelines</p> <p>FDA 510(K) / CE approved.</p> <p>Country of Manufacturer: USA/Japan/Europe (country of origin will also be same)</p>	
6	<p><b>ICU Ventilator (Neonatal to Adult)</b></p> <p><b>VENTILATION MODES:</b></p> <p>CMV, SIMV, PCV, PSIMV, SPONT, NIV, Bi-Level, Auto Mode for active and passive patients, Pressure control Volume Guranteed Mode.</p> <p><b>SPECIAL FUNCTIONS:</b></p> <p>Special function should include</p> <p>nebulizer, manual breath, 100% O<sub>2</sub>, Standby, Triggering Sensitivity, Sigh, apnea backup ventilation, Screen lock, screen shot, suctioning tool, dimmable screen,</p>	2



2	configuration quick start settings, tube resistance compensation, start-up over body height and IBW, inspiratory hold, Protective ventilation.	
	Tool for PEEP lung assessment	
	High Flow Oxygen Lung Therapy.	
	<b>Patient Type:</b>	
	For Peads to adults	
	<b>Screen Size:</b>	
	Minimum 12 inch Touch Screen or more	
	<b>Tidal volume starting from 20ml up to at least 2000ml:</b>	
	PEEP and CPAP ranges from 0 cm H2O not less than 35 cm H2O	
	<b>EVENT LOG:</b>	
	Storage and display of atleast 72 hrs events with date and time.	
	<b>VENTILATION VIEW:</b>	
	should show real time visualization of the lungs with representations of tidal volume, lung complaince, resistance and patient activity	
	Visual representation of the ventilator dependency	
	Leak Compensation	
	Air way Resistance	
	Oxygen monitoring	
	More than 35 monitoring parameters	
	Loops: Display of P-V, V-Flow, P-Flow,	
	Simultaneous display of 4 parameter trends for up to 3 days	
	<b>Power supplies:</b>	
	Up to 240 V AC at 50/60Hz	
	Should have back up batteries with at least 90 minutes or more functionality including integrated high performance turbine technology.	
	5 years warrantee of turbine or more	
	Regulated power supply	
	<b>Origin: EEC, USA, JAPAN</b>	
7	<b>PATIENT MONITOR WITH 12" DISPLAY SIZE WITH ECG SPO2 AND NIBP</b>	1
	<b>5 PARAMETERS WITH CENTRAL STATION</b>	
	SPECIFICIATIONS OF CENTRAL STATION 01 NO.	
	<b>CENTRAL MONITOR</b>	
	19" Color Display Monitor or more	
	Hub	
	Cables	
	Keyboard	
	Mouse	



	<b>SPECIFICATIONS:</b>	
	Multi-Channel 19-Inches colored Central Monitor	
	with recording facility On Laser Printer	
	digital HR with high and low alarms on all parameters selected	
	on bedside monitors.	
	Other parameters to be monitored as selected in the	
	bedside monitors with automatic recording on alarm	
	central monitor should show 12 patient data and should have	
	capability of upgradation to display up to 16-patients data on the screen	
	System should have facility for 2 <sup>nd</sup> display	
	monitor which can operate separately different	
	information to monitor many patient data.	
	Hard wire system with capability of	
	Tele Monitoring as a future upgrade	
	System should have capability to store 72-hours or more trend data and	
	up to 250 arrhythmia episodes of 8-seconds each or more	
	and up to 4000 ST events for each patient	
	Capability to store 72-hours	
	full disclosure ECG as well as 5 other waveforms for each patient.	
	Built-in automatic Arrhythmia analysis and ST analysis should be present	
	User-Friendly Operation	
	19-inch color LCD screen monitor should allow	
	to operate intuitively by Mouse/Keyboard and.	
	can display all patient information with	
	one screen.	
	Sound	
	Synchronization source: ECG	
	Alarm sound: Crisis, Warning, Advisory	
	Sound volume: Changeable for heart rate sync mark	
	and sound	
	Trend	
	Trend parameters: All parameters depends on the	
	connected bedside monitor or transmitter	
	Trend display times: 1, 8, 24, 72 h	
	Trend display formats: Trendgraph and tabular trend	
	Events related to trendgraph: ASYSTOLE, V FIB, V	
	TACHY, VPC RUN, COUPLETT, Off/Noise	
	Waveform Sensitivity	
	ECG display sensitivity:	
	× 1/4, × 1/2, × 3/4, × 1, × 1.5, × 2, × 4	
	Respiration curve sensitivity:	
	× 1/4, × 1/2, × 3/4, × 1, × 1.5, × 2, × 4	
	IBP display scale (mmHg): 0-20, 0-50, 0-100, 0-200,	



50-200, 50-250, 0-300 mmHg	
<b>Full Disclosure</b>	
Saves 72 hours of full disclosure waveform data for up to six waveforms and displays them on the Full Disclosure window.	
- Sweep speed : 25 mm/s, 50mm/s, 6.25 mm/s	
- Waveform display items: NIBP, ECG, IBP, RESP, CO <sub>2</sub> , SpO <sub>2</sub> others depending on the connected bedside monitor.	
<b>Alphanumeric Display Items</b>	
Heart rate, VPC rate, respiration rate, pulse rate, IBP (systolic, diastolic, mean), NIBP (systolic, diastolic, mean), SpO <sub>2</sub> , temperature, others depending on the connected bedside monitor	
Alarm type	Crisis, Warning, Advisory
Alarm items: Vital Sign: Heart rate, VPC rate,, respiration rate, pulse rate, ST level, BP (sys, dia, mean), NIBP (sys, dia, mean), temperature or T or blood temperature, ETCO <sub>2</sub> , tcPO <sub>2</sub> , tcPCO <sub>2</sub> , SpO <sub>2</sub> , FiO <sub>2</sub> , CCO, others depending on the connected bedside monitor or transmitter	
Arrhythmia: ASYSTOLE, V FIB, V TACHY, EXT TACHY, EXT BRADY, VPC RUN, COUPLET, MULTIFORM, EARLY VPC, BIGEMINY, TACHY, BRADY, PROLONGED RR, FREQ.VPC	
Apnea	
Highlighted numeric display, highlighted message for arrhythmia	
Alarm occurrence: Alarm occurs when any one of the bedside monitors that the central monitor are monitoring generates alarm.	
<b>SPECIFICATION OF 12 NOS MOTITORS TO BE ATTACHED WITH CENTRAL STATION</b>	
For monitoring of patients Vital Signs for Adult.	
<b>Operating Features and Characteristics:</b>	
Non fade TFT color display	
Electro-surgical interference suppression/protection	
Defibrillator protection	
Freeze and cascade facility	
Waveform trace speed: 25 or 50 mm/sec (both are mandatory)	
Screen Size: min. 12" or more TFT/LCD color Touch Screen display	
<b>PARAMETERS:</b>	
<b>ECG</b>	
Numeric: heart rate	
Waveform: 10 Wave forms minimum, real time and freeze ECG trace.	





12 Lead ECG Analyses by using 10 lead electrode cable.	
<ul style="list-style-type: none"> <li>• <b>Non-Invasive Blood Pressure (NIBP):</b> Method: Oscillometric principle Numeric: Systolic, diastolic and mean pressures • Selectable auto inflate interval settings • Rising cuff / continuous pressure display</li> </ul>	
<ul style="list-style-type: none"> <li>• <b>Pulse Oximetry:</b> Numeric: 0-100% oxygen saturation measuring range. Waveform: plethysmograph pulse with pulse strength indication. Reusable sensor electrode for Adult, Pediatric &amp; Neonatal. Motion Tolerance Technology.</li> </ul>	
<ul style="list-style-type: none"> <li>• <b>Arrhythmia Analysis:</b> Arrhythmia analysis and ST analysis. Minimum 15 or more arrhythmia items.</li> </ul>	
<ul style="list-style-type: none"> <li>• <b>Respiration:</b> Breath rate display and alarms. Sweep speed: 12.5 to 50 mm/sec.</li> </ul>	
<ul style="list-style-type: none"> <li>• <b>Other Features:</b> Trend Data: 72 hours trend graphical and tabular.</li> </ul>	
<ul style="list-style-type: none"> <li>• <b>Alarms:</b> High &amp; low (settable) on all parameters Visual and audible indication of alarms. Apnea time 5-40s.</li> </ul>	
<ul style="list-style-type: none"> <li>• <b>HL7 CONNECTIVITY:</b> OFFERED MONITORS SHOULD BE ABLE TO CONNECT WITH HIS SYSTEM FOR THE TRANSFER OF DATA.</li> </ul>	
<ul style="list-style-type: none"> <li>• <b>Operating Requirements:</b> Ac 220v/50hz Built-in rechargeable battery for at least 1-2 hours AC power failure at full parameter.</li> </ul>	
<b>TO BE QUOTED AS OPTIONAL:</b>	
<ul style="list-style-type: none"> <li>a- <b>DUAL IBP:</b> ICP (intracranial pressure). PCWP (Pulmonary Capillary Wedge Pressure) IBP (UV, CVP, RAP, LAP, ICP, ICP2)</li> </ul>	
<ul style="list-style-type: none"> <li>b- <b>ETCO2 MAIN STREAM FOR INTUBATED AND NON INTUBATED PATIENTS:</b> AIRWAY ADAPTER</li> </ul>	



	NOTE: OFFERED MONITORS SHOULD HAVE CAPABILITY TO MONITOR CARDIAC OUTPUT, BIS, MULTIGAS UNIT ETC.	
	<b>All allied accessories should be from original/same manufacturer.</b>	
	<b>Country Of Manufacturer &amp; Origin of the product should be:</b>	
	• <b>USA, EUROPE and JAPAN.</b>	
8	<b>Non-Invasive Portable Ventilator:</b>	1
	Easy monitoring	
	Real-time waveforms and patient information are displayed on the large	
	<b>Colour touch screen Size 6" or more</b> to ensure correct set-up and to track patient condition.	
	Real-time pressure & flow wave forms, monitoring scale, trends & all measured parameters display on monitoring screen in numerical forms.	
	FiO2 and SpO2 are integrated to complete the therapy picture.	
	A full suite of modes offer versatile therapy options as the patient's condition progresses.	
	The in-built Learn Circuit feature evaluates and compensates for resistance in the circuit to optimize ventilation and deliver the right pressure and flow at the mask.	
	Easily connects to the heated humidifier, to reduce the risk of ventilator associated complications and actively condition the air—just as your patient's airway normally would.	
	<b>features:</b>	
	Adult	
	Paediatric	
	Invasive	
	Noninvasive	
	Home	
	Hospital	
	Mobility	
	Customisable programs	
	Learn Circuit	
	Vsync	
	TiControl	
	5 Trigger	
	Internal battery	
	External battery(optional)	
	Alarm	
	Airline approved	
	<b>SPECIFICATION:</b>	
	Life Support for patients above 5 kg	
	Valve circuit therapy: CPAP, ACV, PACV, P-SIMV, V-SIMV, PS	
	Leak circuit therapy: CPAP, ST, PAC	
	Apnea back up Volume and pressure	
	Preset programs	
	Single circuit with leak	
	Single circuit with valve	
	Double circuit	
	Safety VT	
	<b>PRESSURE RANGE AND SETTINGS</b>	
	Delivered Pressure (cm H2O) 2-50 (leak circuit) 0-50 (valve circuit)	
	Delivered Tidal Volume (cm H2O) Adult: 2 to 2000 mL Pediatric: 50 to 300 mL	
	Respiratory rate Adult: Off, 2 to 50 bpm Pediatric: Off, 5 to 80 bpm	
	Manual breath	



	Sigh breath (recruitment)	
	A wide range of settable alarms are available including FiO2 and SpO2 when connected.	
	Internal battery 8 hour run time Lithium-Ion battery, 14.4 V, 6.6 Ah, 95 Wh.	
	DATA	
	SpO2 monitoring Optional	
	FiO2 monitoring Optional	
	<b>Components:</b>	
	Main Unit	
	Circuit	
	Adapter	
	Power cord	
	Operating Manual	
	Country of Origin: Australia/Germany/UK/USA/Europe (country of origin will also be same)	
9	<b>Airway Clearance System:</b>	1
	Patients with impaired airway clearance had to rely on manual Chest Physiotherapy (CPT) a rigorous, time-consuming, and often inconsistent treatment technique.	
	Today, High Frequency Chest Wall Oscillation (HFCWO), also known as High Frequency Chest Compression (HFCC), is commonly prescribed and widely practiced.	
	This method is technique-independent, better tolerated than CPT, and can be administered by either the patient or caregiver.	
	The use of HFCWO has reduced health care costs associated with recurrent pneumonias, antibiotic use, and hospital stays. Thus, HFCWO via the Airway Clearance System is a highly cost-effective airway clearance choice for homecare patients and for application by medical caregivers in clinic and hospital settings.	
	HFCWO creates a revolutionary "squeeze & release" action around the chest and torso from 5-20 times per second.	
	The patented inflates and delivers vigorous, yet comfortable, air pulses to the body through a single-hose powered by a programmable generator, providing the patient with greater maneuverability during treatment.	
	The action of rapidly squeezing and releasing the chest creates air pulses, or airflows, within the lung airways, which stimulate repetitive "mini coughs".	
	<b>FEATURES:</b>	
	Shear the mucus away from the walls of a lung's airways.	
	Reduce the viscosity of the secretions	
	Propel the mucus toward the larger airways where it can be expectorated or suctioned more easily.	
	Soft Start technology delivers HFCWO with a calmer, gentler, more relaxed treatment experience.	
	Full coverage pulsation of the front, back, and sides of the torso simultaneously.	
	Wrap sizes fit small children to large adults.	
	Patented single-hose design provides more freedom of movement, allowing the patient to perform other tasks during treatment.	
	Machine washable fabric simplifies cleaning	
	Dual Position controls adjust to operate the air pulse generator upright or horizontally.	
	Port A-Cath and G-tube discomfort is reduced by eliminating direct to the sternum or abdomen.	
	<b>COMPONENTS:</b>	
	Main Unit	
	Stand with Trolley	
	Filter (3)	



	Fuse (4)	
	Medium ( 24"-30"/ 61cm-76cm)	
	Large ( 30"- 36"/ 76cm-91cm)	
	Adult Medium ( 40"- 44"/ 102cm-112cm)	
	Adult Large ( 44"- 48"/ 112cm-122cm)	
	SPU WRAP XX-Large ( 44"- 48"/ 112cm-122cm)	
	Long Term Use Connecting Hose 6" (1.8 m)	
	Carrying Bag	
	UPS on line	
	Country of Origin: Australia/Germany/UK/USA	
10	<b>VIDEO BRONCHOSCOPE</b>	<b>1</b>
	High Resolution Therapeutic Broncho Videoscope	
	*Water Connector* Excellent image quality* Wider Endo Therapy Device Capatibility	
	NBI System Facility Compatible	
	with standard set of accessories:	
	Field of view	120 degree
	Direction of View:	Forward viewing
	Depth of Field :	3-100mm
	Outer Diameter :	5.9mm
	Angulation Range :	Up 180 degree, Dawn 130 degree
	Working Length	600mm
	Inter Diameter :	2.8mm
	Minimum visible distance :	3.0mm
	Country of Origin: Japan/Germany/UK/EEC	
11	<b>Rigid Bronchoscopy &amp; Tracheal Dialation Set</b>	<b>1 Set</b>
A	Universal Bronchoscope, size 8.5, outer diameter 11.2 mm, inner diameter 10.5 mm, length 43 cm, for use with proximal insertable Prismatic Light Deflector	1
B	Universal Bronchoscope, size 7.5, outer diameter 10.2 mm, inner diameter 9.5 mm, length 43 cm, for use with proximal insertable Prismatic Light Deflector	1
C	Universal Bronchoscope, size 6.5, outer diameter 9.2 mm, inner diameter 8.5 mm, length 43 cm, for use with proximal insertable Prismatic Light Deflector	1
D	Sealing Cap with window for use with Bronchoscopes and Tracheoscopes	1
E	FLUVOG Adaptor with sliding glass window plug, sealing cap, notched lens and keyhole opening, movable, for use with Full Lumen Tracheoscopes and Bronchoscopes	1
F	Injection Cannula, for positive pressure assisted ventilation system, LUER-Lock, outer diameter 3.5 mm, for use with the bronchoscope series	1
G	Tube Guide, for Bronchoscope	1
H	Adjustable Magnifier, swing-away type, with ring adaption, autoclavable	1
I	Adaptor, for respirator	1



J	Adapter from bronchoscope to any type of automatic reparation equipment, long model	1
K	Telescope Guide Sheath, for use with Bronchoscopes	1
L	Tracheoscope Tube, length 33 cm, O.D. 12 mm, I.D. 11 mm	1
M	Full Lumen Operating Bronchoscope, size 12 mm, length 43 cm, with 32 Fr. working channel for application of bronchial bougies, for use with prismatic light deflector for proximal illumination and adaptors O.D. 12 mm	1
N	Prismatic Light Deflector autoclavable, with connection to fiber optic light cable	1
O	Optical Dilatation Tracheoscope, GRONINGEN Model, rigid, O.D. 12 mm, adult size, with depth markings, for dilation of stenoses and tumors in the upper trachea, distal end conical with lateral breathing holes, proximal with oxygen adaption, for use with Straight Forward Telescope prismatic light deflector adaptor to respirator and FLUVOG Adaptor with sliding glass window plug and sealing cap length 30cm	1
P	Optical Dilatation Tracheoscope, GRONINGEN Model, rigid, O.D. 8 mm, adult-adolescent size, with depth markings, for dilation of stenoses and tumors in the upper trachea, distal end conical with lateral breathing holes, proximal with oxygen adaption, for use with Straight Forward Telescope prismatic lieght deflector adaptor to respirator and FLUVOG Adaptor with sliding glass window plug and sealing cap length 30 cm	1
Q	Optical Intubation Tracheoscope GRONINGEN Model. <b>Consisting of :</b> Sheath for insertion of endotracheal tubes under optical control, proximal with LUER-Lock and distal with lateral holes for anesthetic gases, O.D. 5,5 mm, for use with HOPKINS Straight- Forward Telescope length 30 cm, Distance Ring with fixation screw for length adjustment of the tubes	1
R	Straight Forward Telescope 0°, enlarged view, diameter 4 mm, length 30 cm, autoclavable, fiber optic light transmission incorporated, color code: green	1
S	Adaptor,	1
T	Straight Forward Tele- scope 0°, diameter 5.5 mm, length 50 cm, autoclavable, Fiber optic light transmission incorporated, Color code: green	1
	Optical Forceps, alligator, for hard foreign bodies, large jaws, with spring-action handle for use with telescopes	1
V	Optical Forceps, for peanuts and soft foreign bodies, with spring-action handle, for use with telescopes	1
W	Optical Forceps, spoon-shaped, round, for biopsy, cup diameter 4.3 mm, for use with telescopes	1
X	Optical Forceps, for the repositioning and removal of DUMON silicone stents or polymer, metal and hybrid stents, for use with telescopes	1
Y	FREITAG Forceps for Intubation of Dynamic Stents (Rüsch, Germany). <b>Consisting of:</b> Handle, with ratchet Outer Sheath Forceps Insert Slider, detachable	1



7	Forceps, alligator, for hard foreign bodies, double-action jaws, sheath diameter 2.5 mm, working length 50 cm	1
VA	Forceps, pointed, serrated, for coins and flat foreign bodies, double-action jaws, sheath diameter 2.5 mm, working length 50 cm	1
VB	Forceps, for peanuts and soft foreign bodies, double-action jaws, jaw width 7 mm, sheath diameter 2.5 mm, working length 50 cm	1
VC	Forceps, with round cupped jaws, for biopsy, jaw diameter 5 mm, double-action jaws, sheath diameter 2.5 mm, working length 50 cm	1
VD	Rigid Suction Tube with rubber tip, straight, working length 50 cm	1
VE	Suction Tube, curved, with rubber tip, diameter 4 mm, working length 50 cm	1
VF	Jar, spare	1
VG	Aspirator, for collecting secretions with cut-off hole, can be connected to suction tubes or suction catheters	1
VH	Cotton Carrier, working length 50 cm	1
VI	LED 150, High-Performance LED Cold Light Fountain with one light outlet, power supply 100 - 240 VAC, 50/60 Hz <b>Including:</b> Mains cord	1
VJ	Fiber Optic Light Cable, with straight connector, diameter 3.5 mm, length 180 cm	1
VK	Stents Applicators	1
VL	Stents <b>Country Of Origin : Europe / USA / Japan</b>	1
12	<b>BED SIDE LOCKER (Imported)</b> Full ABS Material, Rust Free Bedside Cabinet Size 480*480*870mm Function: * With drawer, Flat drawer, With water glass holder * with concealed towel-rail on boths sides * Open compartment 1920L, *880Wmm * With water bottle 6cm Should be CE Marked & ISO Approved	28
13	<b>Steam Sterlizer</b> AutoClave, Horizontal, Electric & Gas (Operated Separately), for Sterlization Double Chamber	1



	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 Japan (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>FOR ELECTRON MICROSCOPE</b>	
	<b>Warranty 03 years with free back up service</b>	
	<b>Consumable items for 3 years free of cost</b>	
	<b>Shifting of Electron Microscope if required</b>	
	<b>Operational Training of staff one person on items No.14, 15, 16 &amp; 17</b>	
14	<b>ULTRACUT UCT MICROTOME (FOR ELECTRON MICROSCOPE)</b>	1
	Basic Instrument with 180 degree swiveling microscope carrier,	
	Multi illumination, back light illumination	
	Specimen trans-illumination, auto thin/thick sectioning	
	cutting window 0.2 - 14mm dual automatic, advance system with stepping motor	
	peristaltic water pump, compact energy saving fluorescent tube	
	knife block 360degree rotatable, knife holder for 6-12 mm glass and diamond knives, segment arc	
	for specimen trans-illumination 360 degree rotatable, trimming block, trimming adaptor,	
	control unit for 115/230 v with digit LED display, advance antivibration system	
	New back lash free drive train, 5 universal specimen holder, flat specimen holder	
	Accessories Box, spare fuses, 5 glass knife storage plastic boxes, plastic dust cover separately.	
	<b>Country of Origin:- JAPAN / GERMANY/USA/Austria</b>	
15	<b>GLASS KNIFE MAKER COMPLETE (FOR ELECTRON MICROSCOPE)</b>	1
	for balanced break method, with glati cutter, clamping device,	
	Breaking tool, knife handling fork,	
	Spare scoring wheel cartridge,	
	Plastic dust cover, instruction manual,	
	10 Packet glass strips 6.4mm	
	10 glass Knife storage boxes	
	<b>Country of Origin:- JAPAN / GERMANY/USA/Austria</b>	



16	<b>COMPLETE MULTI HOT PLATE (FOR ELECTRON MICROSCOPE)</b> Complete Multi Hot plate with 3 different temperatures and mounting trufs on glass knives, for drying semi-thin section on slide and staining Metal spatula, 10/500 packets plastic trufs 6.4mm Dental wax 10 packets and plastic dust cover  <b>Country of Origion:- JAPAN / GERMANY/USA/Austria</b>	1
17	<b>TRIMMER ( FOR ELECTRON MICROSCOPE)</b> Stereo Microscope complete, net graticule for S6, 100x1mm2, Extraction/Filtration unit 230 VAC, Universal specimen holder, optic transillumination system for locating small sample and translucent objects, dust cover etc <b>Country of Origion:- JAPAN / GERMANY/USA/Austria</b>	1
<b>SPARES FOR ELECTRON MICROSCOPE MODEL 1230</b>		
18	Oil - MR-100il. (SMR-100)	2
19	R.P Oil - MR-200A 1.8 l.	3
20	Water Distributor	1
21	Aperture - 802196616 (100,200,300)	1
22	Aperture Holder - MA141078 (00)	1
23	Flat Head Screw 1.4*2BSW2----1,----1.	1
24	Aperture - MB141570 (01) (20,50,80)	1
25	Aperture Holder MA141078(00)	1
26	Flat Head Screw 1.4* BSW2 (Acid Wash) 10PC	1
27	Spacer 810386933	1
28	Flat Head Screw 1.4*5BSW2 (Acid Wash) 10PC	1
29	Aperture MB141568(02) (20,100,300)	1
30	Aperture Holder MA141078(00)	1
31	Flat Head Screw 1.4*3BSW2 ---1,----1.	1





32	Oil JIS No.2 II.	1
33	JIS No.2 II. VACUM GREASE 10 K.G	1
34	LaB6 Type Filament	1
35	DP Heater 200V 600W	2
36	Compressor Oil Recic II.	1 Lit
37	O ring (Anod chamber)	1
38	O ring (Base holder)	1
39	O ring (Base holder)	1
40	Fluorscreen Large	1
41	Fluorscreen	1
42	Specimen quarter holder	1
43	EM LCD Screen	1
44	EM-14215 LCD	1
45	CCD Camera compatiblke with Electron Microscope Model 1230, Jeol, Japan	1
46	Exsternal computer control Kit (EM 1230 Jeol)	1
47	HP Laser Jet color printer with high resolution compatible with CCD Camera	1
<b>EQUIPMENT</b>		
48	<b>Microscope (Binocular)</b>	01 No
	<b>Technical Specifications</b>	
	Optical System Parfocal distance 45mm CCIS® Optical System (Color Corrected Infinity System)	
	Observation tube	
	Siedentopf 30° Binocular. Optional Trinocular with 100% binocular/ 100% photo or 100% binocular/20/80 binocular/photo	
	Eyepiece Widefield high eyepoint WF 10x (FN20) with diopter adjustment	
	Nosepiece	



Coarse/Fine focusing	Coaxially positioned control knobs, coarse 42mm/rotation, fine 0.2mm/rotation. Min. increment 2µm. Coarse motion torque adjustable. Brass Gears.	
Stage	Rectangular 174 x 145mm surface area, 76 x 50mm cross travel. Hard coated surface, vertical movement range is 27mm.	
Substage Illumination	6V/30W Quartz Halogen lamp	
Power Requirements	Universal; 110-240V; 50/60Hz	
Filter	Blue	
CMOS Camera	1/2" CMOS, 2048 x 1536 pixel resolution (3.0 Mega Pixel)	
Country of Origin	UK/USA/Japan/Europe	
<b>PH Meter</b>		<b>01 No</b>
<b>3 decimal place resolution</b>	places the 3510 in a class of it's own and provides added flexibility in laboratory environments where greater accuracy is required.	
<b>A choice of pH calibration buffers</b>	to DIN, JIS and NIST standards can be used for calibration, as well as manually entered buffer values.	
<b>1, 2 or 3 point calibration</b>	For improved accuracy up to 3 calibration points can be selected when working with a wide range of expected results.	
<b>Results display and storage</b>	The 3510 features on-board memory for results display and storage. pH and temperature readings can be stored in internal memory for recall and display, in addition to loading to a pc or printer.	
<b>Specifications:</b>		
pH Range	-2.000 to 19.999pH	
Resolution	0.001/0.01pH	
Accuracy	±0.003pH	
mV Range	-1999.9 to 1999.9mV	
Resolution	0.1/1mV	
Accuracy	±0.2mV	
Input Impedance	>1012ohms	
Temperature Range	-10 to 105°C (14 to 221°F)	
Resolution	0.1°C (1°F)	
Accuracy	±0.5°C (±1°F)	



	ATC Range	0 to 100°C (32 to 212°F)	
	Man. Temp. Comp.	0 to 100°C (32 to 212°F)	
	Calibration	1, 2 or 3 point	
	Auto buffer Selection	Jenway (2.00, 4.00, 7.00, 9.20, 10.00) DIN (3.06, 4.65, 6.79, 9.25, 12.75) NIST & JIS (1.68, 4.01, 6.87, 9.18, 12.45)	
	Outputs	Analogue & RS232 serial interface	
	Data logging	32 reading storage	
	Languages	English	
	Display	Back lit custom LCD	
	Power	Battery power supply	
	Country of Origin :	UK/USA/Japan/Europe	
50	<b>Rotator (For tube &amp; bottle</b>		01 No
51	<b>Magnetic Stirrer</b>		01 No
	choice of robust aluminium or chemically resistant, ceramic top plate		
	-flashing "Hot" warning light to warn when top plate is too hot to touch		
	independent safety circuit to protect against overheating		
	-Powerful stirring action up to 1500rpm and volumes of up to 15L.		
	ideal for handling large vessels		
	-fitting for retort rod and supplied complete with 2mm x 25mm PTFE coated stir bars.		
	has a glass ceramic top that has excellent chemical and temperature resistance. The chemical properties make the surface very easy to keep clean and the thermal properties allow very high plate temperatures while ensuring the edges stay cooler, reducing the chance of accidental burns.		
	With BioCote, silver based, antimicrobial protection.		
	<b>Specifications</b>		
	Plate dimensions:	300 x 300mm	
	Heated area:	200 x 200mm	
	Heater Power:	1200W / 600W	
	Stirrer speed range:	100 to 1500rpm	
	Weight:	7kg	
	Supply requirements:	230V, 50Hz	
	Maximum stirring capacity:	15l	
	Max. plate temperature:	450°C / 300°C	
	Country of Origin :	UK/USA/Japan/Europe	
52	<b>Presser for block remover (Agar Co)</b>		01 No
53	<b>Hot Air Oven (60 Lit)</b>		02 Nos
	The new heating and drying oven generation with the unique ControlCOCKPIT for a quick		



	and intuitive operation. For a multitude of applications, ideally at temperatures above +50°C.	
	<b>Standard equipment:</b>	
	PID microprocessor control with integrated auto-diagnostic system	
	Interior made of stainless steel No. 1.4031 (ASTM 304) with all-round deep-drawn ribs to	
	integrate the large-area heating with ceramic-metal sheath	
	Structured stainless steel housing, scratch-resistant, robust and durable; rear of zinc plated steel	
	High-temperature connectors on the rear of the appliance for single-phase power connection	
	according to country specific systems and IEC standards	
	Internal data logger with a storage capacity of at least 10 years	
	German, English, French, Spanish language settings available on the ControlCOCKPIT	
	- Digital timer, adjustable between 1 minute and 99 days	
	the SetpointWAIT function guarantees that the process time does not start until the set temperature is	
	reached at all measuring points - optional for temperature values recorded by the freely	
	positionable Pt100 sensors inside the chamber.	
	Adjustment of three calibration values for temperature and additional appliance specific parameters	
	directly at the ControlCOCKPIT	
	<b>Specifications</b>	
	Type designation: Natural convection	
	Setting accuracy: up to 99.9°C: 0.1°C/ from 100°C: 0.5°C	
	Working- temperature range: at least 5°C	
	temperature up to +300°C	
	Setting temperature range: +20 up to +300°C	
	Shelf support ribs/shelves 5 / 2 ,	
	Rating 2800 W,	
	Weight 74 kg	
	<b>Country of Origin : UK/USA/Japan/Europe</b>	
54	<b>Microwave Oven (30 Lit)</b>	01 No
	Microwave SEVERIN	
	Freestanding with cavity. Digital multi-function display, microwave, grill and convection separately or combined switchable. Microwave power: 800W, max. Grill power: 1200W. Preheat function to 190°C for convection, defrost by weight or time, Quick start button for instant full power, 10 different automatic cooking programs, grill grate with two selectable levels, child-proof lock. Dimensions (W x D x H): 495 x 415 x 295mm. Diameter turntable: 270mm.	



•	Type SEVERIN MW 7864	
•	Country of Origin : UK/USA/Japan/Europe	
55	<b>Refrigerator (14 Cuf Ft)</b>	01 No
	• Double Door	
	• Samsung/Dawalance/Waves	
56	<b>Digital Balance</b>	01 No
	6200 g / 0.01 g, weighing pan 180 x 160 mm	
	High quality laboratory balances, housed in a robust and stable plastic casing. With bar graph capacity display which shows the current available weighing range remaining. Fitted with protective working cover for casing and keyboard. Suitable for EC verification (factory option at additional cost - details on request). Convenient, internal automatic calibration (only type EG-N) as well as extensive configuration and a menu of applications. Draught shield supplied with all 0.001g readability models. Additionally supplied with parts counting facility, percentage weighing function, flush-mounted platform. Optional available: Thermal printer, statistics printer, internal Akku-Pack, DKD calibration certificate for balance and optional test weight.	
	Type EW6200-2NM	
	Capacity 6200 g	
	Readability 0.01 g	
	Reproducibility 0.01 ± g	
	Linearity 0.03 ± g	
	Plate dimensions 180 x 160 mm	
	External dimensions (W x D x H) 192 x 265 x 87 mm	
	Country of Origin : UK/USA/Japan/Europe	
57	<b>Grid Holding Forceps (Pelco 510 NM No.5)</b>	04 Nos





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Government of Sindh  
Health Department

**NOTIFICATION**

4981

No.HD (P&E) 6-1 (4) / 2016. The Government of Sindh, Health Department is pleased to constitute a Procurement Committee, comprising of following members for Purchase of Machinery & Equipment under (Revenue Component) under Rule-7 of Sindh Public Procurement Rules 2010 Amended 2013, in respect of ADP development scheme "STENGTHENING AND IMPROVEMENT OF JINNAH POSTGRADUATE MEDICAL CENTRE (JPMC)KARACHI";

- |   |  |          |
|---|--|----------|
| 1 | Prof: Tariq Mahmood<br>Head of Radiology, Cyberknife & Oncology Dept, JPMC | Chairman |
| 2 | Dr. Bahram Khan Khoso<br>Assistant Professor of Dermatology, JPMC          | Member   |
| 3 | Representative of the (Development) wing Health Department                 | Member   |
| 4 | Representative from Accountant General Sindh,                              | Member   |
| 5 | Representative from Deputy Commissioner<br>South, Karachi.                 | Member   |

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

Ahmed Bakash Narejo  
Secretary Health

NO.HD (P&E) 6-1 (4) / 2016,

Karachi, dated 12-08 -2016.

**C.c. to:**

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

*Handwritten signature*  
Research Officer (Dev)



No. SO (M&I) 2-1/2013 (CRC)  
**GOVERNMENT OF SINDH**  
**HEALTH DEPARTMENT**  
(PROCUREMENT MONITORING & INSPECTION CELL)  
Karachi, Dated: the 28<sup>th</sup> March, 2013

## NOTIFICATION

In supersession of this Department's notification of even number dated: 29<sup>th</sup> July, '10 and in pursuance of Rules-31 and 32 of Sindh Public Procurement Rules 2010, the Government of Sindh, Health Department re-constitutes Complaint Redressal Committee (CRC) comprised of the following officers for scrutinizing the complaints of aggrieved bidders against tenders invited by Health Institutions / Hospitals / Programmes / Projects in Sindh.

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

### TORs

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

**IFTIKHAR ALI SHALLWAN**  
**SECRETARY HEALTH**

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

Karachi, dated, the 28<sup>th</sup> March, 2013


### C.C to:

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

  
(RASHID HUSSAIN)  
SECTION OFFICER (PM&I)

GOVERNMENT OF SINDH  
JINNAH POSTGRADUATE MEDICAL CENTRE  
KARACHI-75510  
ANNUAL PROCUREMENT PLAN  
FOR THE FINANCIAL YEAR 2016-17

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	160 items	5.022 millions	5.022 million	Non ADP	Tender SPPRA 46(2)			January-March		
2	Purchase of Machinery/Equipment (SNE) for various Department, JPMC	104 Items	5 million	5 million	(SNE) *	Tender SPPRA 46(2)			January-March		
3	Purchase of Machinery/Equipment Cobalt-60(SNE) for Radiotherapy Department, JPMC	01 Item	100 million	100 million	(SNE)	Tender SPPRA 46(2)			January-March		
3	Purchase of Machinery/Equipment through Development Scheme "Strengthening & Improvement of JPMC, Karachi	57 Items	80 million	80 million	ADP	Tender SPPRA 46(2)			January-March		

  
 ( Dr. Seemin Jamali )  
 Executive Director **Dr. SEEMIN JAMALI**  
 Executive Director  
 J.P.M.C., Karachi



GOVERNMENT OF SINDH  
JINNAH POSTGRADUATE MEDICAL CENTRE  
KARACHI



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Tender for Improvement & Enhancement of  
Security Measures at  
Jinnah Postgraduate Medical Centre Karachi.

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Tender No. F.AD(G)4/2016-17/JPMC

Due on: 23-02-2017

GOVERNMENT OF SINDH  
JINNAH POSTGRADUATE MEDICAL CENTRE  
KARACHI-75510

TENDER DOCUMENT

TENDER NO.F.AD(G)/4/2016-17/JPMC

TENDER FOR IMPROVEMENT & ENHANCEMENT OF SECURITY MEASURES AT  
JINNAH POSTGRADUATE MEDICAL CENTRE KARACHI  
FOR THE YEAR 2016-17

DUE ON 23-02-2017

COST OF TENDER	Rs. 1000/= (Rupees Two Thousand Only) non refundable
TENDER SELLING DATE	From 06-02-2017 To 22-02-2017
TENDER SUBMISSION PLACE	COMMITTEE ROOM ADMINISTRATION BLOCK, JPMC, KARACHI
TENDER SUBMISSION DATE	23-02-2017
TENDER SUBMISSION TIME	09:00 AM to 11:00 AM
TENDER OPENING PLACE	COMMITTEE ROOM ADMINISTRATION BLOCK, JPMC, KARACHI
TENDER OPENING DATE	23-02-2017
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.AD(G)/4/2016-17/JPMC**  
**GOVERNMENT OF SINDH**  
**JINNAH POSTGRADUATE MEDICAL CENTRE**  
**KARACHI-75510**

Tender for Improvement & Enhancement of Security Measures at  
Jinnah Postgraduate Medical Centre Karachi.

**TERMS AND CONDITIONS / INSTRUCTIONS TO BIDDERS**

- 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 envelop 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 Bidder shall prepare bid containing "**FINANCIAL PROPOSAL**" and "**TECHNICAL PROPOSAL**" in bold and legible letter to avoid confusion. The financial and technical bids, each consisting of the documents listed above.  
  
In Technical Proposal the bidder must provide the original Data sheet and Technical brochure, Income Tax, Sales Tax, Sole Agency certificate and other documents; otherwise the bid will not accepted.  
  
In Financial Proposal, the bidder should provide bid security / earnest money at the rate of 2.5% of the quoted value. Financial Proposal should contain quoted rate and original bid security.
- 3) The purchaser will initially open only the envelopes marked "**Technical Proposal**" in the presence of Bidders or their representatives who chose to be present at the time of bid opening date, time and place specified in the tender documents. The Bidder or their representative who are present shall sign the attendance sheet. The envelope marked "**Financial Proposal**" shall be retained in the custody of purchaser without being opened till the completion of the Technical Evaluation.
- 4) 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.
- 5) The bidders shall quote their prices inclusive of all duties /taxes/Octroi transportation etc, and all other expenses on free delivery to Consignee's end in local currency.
- 6) Price should be quoted in clear manner including of Figures & words both, failing which the offer will be ignored.
- 7) The bid prepared by the Bidder shall comprise the following documents:
  - (a) Bid Form & Price Schedules duly completed by the Bidder.
  - (b) The Bidder shall furnish a bid security @ 2.5% of the quoted value in the form of Pay Order / Bank Draft in the financial proposal.
  - (c) The original catalogue must accompany with offer.

- (d) Sole Agency / Authorized Dealer Certificate from the manufacturer must be provided by the bidder.
  - (e) The service manual with circuit diagram will be provided (for equipment)
  - (f) A certificate from the manufacturer that the offered machine / equipment being used in the country of origin.
  - (g) A detail data sheet having description of the essential technical and performance characteristics of the offered equipment.
  - (h) The original tender purchase receipt.
  - (i) Bidders shall purchase separate tender document and furnish purchase receipts for alternate offer, in case they want to submit alternate offer. Any item's bid with alternate offers without separate purchase receipt (Original) is supposed to be rejected.
  - (j) The bidder shall furnish copy of valid Professional Tax (Excise & Taxation) Certificate/Income Tax Certificate/GST Registration Certificate.
  - (k) Bidder shall submit guarantee letter that the supplied Machinery / Equipment is the original / brand new product / latest model, none of the part is replaced, old or refurbished.
  - (l) Bidder must enclose a list of users in Sindh / Pakistan of the quoted items. Bidder must submit the proof for the availability of trained engineers qualified persons for the CCTV security system at Karachi for after sale service.
  - (m) Bidder must enclose sealed Bank letter of financial capacity of firm addressed to the Executive Director JPMC, Karachi in financial proposal.
- 8) The prices quoted by the Bidder shall be fixed during the performance of the contract and not subject to variation on any account. A bid submitted with an adjustable price or conditional will be treated as non-responsive and rejected.
  - 9) Initially the bid evaluation will be performed after that Technical Specification will be evaluated by Technical Committee on the basis of the data sheet and the literature provided / submitted by the firm. Financial bids of technical qualified firms will be opened.
  - 10) All pages of the bid shall be signed & duly stamped by the person or persons signing the bid accept for un-amended printed literature and duly stamped.
  - 11) The bid shall contain no alterations, omissions, or additions, unless such corrections are initialed by the person or persons signing the bid.
  - 12) Bids shall be submitted either by the manufacturer or its sole agent/ authorized dealer, if submitted by the manufacturer itself then bid of sole agent/ authorized dealer will be rejected. No sublet will be allowed.
  - 13) Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price, which is obtained by multiplying the unit price and quantity, or between subtotals and the total price, the unit or subtotal price shall prevail, and the total price shall be corrected. If there is a discrepancy between words and figures, the amount in words will

prevail. If the Bidder does not accept the correction of errors, its bid will be rejected.

- 14) All the (applicable) Government taxes (Income Tax / Stamp Duty) of the value of the contract amount will be deducted from the bills of the Contractors / Suppliers.
- 15) The Purchaser reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to award of contract under the relevant provisions of SPP Rules 2010 (Amended 2013), without thereby incurring any liability to the affected bidder or bidders or any obligation to inform the affected bidder or bidders of the grounds for the Purchaser's action.
- 16) Prior to the expiration of the period of bid validity, the Purchaser will notify the successful Bidder through Advance acceptance. This will constitute the formation of the contract. Within seven (07) days after receipt of the Advance acceptance, the successful Bidder shall furnish the performance security @ 10% of the contracted amount in the form of Pay Order / Bank Draft / Bank Guarantee and will sign the contract agreement.
- 17) Bid validity can be extended as per SPP Rule 2010 (Amended 2013).
- 18) Sole / Authorized Dealer or Agent once nominated by the manufacturer will be for the whole contract period and manufacturer cannot change during the year in any case. In exceptional cases the tendering authority may approve changes.
- 19) The supplier should submit the bill/Invoice for payment addressed to the Executive Director, JPMC, Karachi after satisfactory delivery as per purchase order along with following documents :
  - i. Three copies of Bill/ Invoice
  - ii. Three copies of delivery challan
  - iii. Three copies of Purchase Order

## General & Special Conditions of Contract

- 1) The Contract shall be governed by and interpreted in accordance with laws of the Islamic Republic of Pakistan.
- 2) Store is required within delivery period. The bidder may however give their short guaranteed delivery period by which the supply will be completed but not later than 90 days from date of purchase order. No Extension will be granted / accorded for the supply.
- 3) The manufacturer should provide an undertaking that if his sole agent fails to carry out any assignment in total or in part, manufacturer will be responsible to carry out the same.
- 4) The Contract Price shall be made to the Contractor as specified in the Contract Agreement, subject to the general principle / procedure of the Government of Sindh.
- 5) The Contract shall be executed in accordance with the Contract Documents and procedures.
- 6) The Purchaser or its representative shall inspect the Machinery / Equipment to confirm their conformity to the Contract specification. The inspection will be conducted at the premises of consignee after receipt of supply.
- 7) If the Contractor fails to attain Completion of the supply or installation within the Time for Completion shall pay to the Purchaser liquidated damages at the rate of 2% per month (0.5% per week) of the Contract Price, or the relevant part thereof. The aggregate amount of such liquidated damages shall in no event exceed the amount of 10%. Once the "Maximum" is reached, the Purchaser may consider termination of the Contract.
- 8) The Contractor warrants that the supplied equipment or any part thereof shall be free from defects in the design, engineering, materials etc. In case of defect in any part at the time of supply of installation it shall be replaced with new one instead of repair.
- 9) The purchaser, without prejudice to any other remedy for breach of contract by written notice of default sent to the supplier, may terminate this contract in whole or in part:
  - (a) If the supplier fails to deliver any or all of the contracted items within the period(s) specified in the Contract, or within any extension thereof granted by the Purchaser.
  - (b) If the Supplier fails to perform any other obligation(s) under the Contract.
  - (c) If the supplier, in the judgment of the Purchaser has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.
- 10) Service charges @ current prevailing charges of the value of the Contract will realized/charged by the A.G. Sindh, while making payment to the contractors for award of each contract.

### Criteria for evaluation of bids

- 1 Earnest money submission (Original attach with financial proposal and copy attach with technical proposal).
- 2 Compliance of terms and conditions, required documents / information as described in the Instructions of bidders, General and special conditions of the bid document. Bidder must qualify the bid evaluation. Only qualified bid evaluation bidders will be evaluated technically.
- 3 Relevant Experience and past performance of manufacturer / sole distributor / Authorized dealer in terms of supply & after sale service.
- 4 After sale service facility with availability of Technical staff, Tools and spare parts.
- 5 Authority letter from manufacturer.
- 6 Registration Certificate of Pakistan Engineering Council.
- 7 The bidder must indicate the number security (CCTV) system installed within Pakistan especially in health sector and letter of satisfaction from the end user.
- 7 Submission of original Catalogue with complete mailing address of the company, telephone / Fax Nos. and Web site for each quoted item.
- 8 Technical evaluations as per tender specification.
- 9 Operational cost of equipment.
- 10 Delivery schedule.
- 11 Evaluation of quoted price (After opening financial proposal).

### UNDERTAKING

- a) That I/we agree whether our tender accepted for total, partial or enhanced quantity for all or any single item. I/We also agreed to supply and accept the said item at the rates for the supply of contracted quantity within the stipulated period shown in the contract.
- b) I/We understand and confirm the refund of cost difference if the same goods is/was supplied at lower rates to any other Govt. /Semi Govt. institution in the province in the same fiscal year.
- c) I/We undertake that, if any of the information submitted in accordance to this tender Enquiry found incorrect, our contract may be cancelled at any stage on our cost and risk.

### CERTIFICATE

**We guarantee to supply the stores exactly in accordance with the requirement specified in the invitation to this tender.**

Signature of Tenderer -----

Name & Designation-----

Address:-----