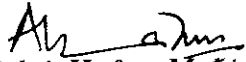



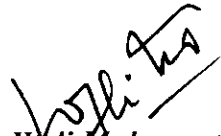
## Bid Evaluation Report


1. Name of Procuring Agency: Sindh Government Hospital Saudabad, Karachi.
2. Tender Reference No: INF-KRY-2945/13
3. Tender Description/Name of work/item: Purchase of Machinery & Equipments.
4. Method of Procurement: Single Stage Two Envelopes.
5. Tender Published: SPPRA ID # 18237, The News, 12 Dec-13, Daily Express, 12 Dec-13, Daily Sindh Express, 12 Dec-13, Jehan Pakistan, 13 Dec-13
6. Total Bid documents Sold; 12 Nos.
7. Total Bids Received: 12 Nos.
8. Technical Bid Opening date: (if applicable) 28<sup>th</sup> December 2013
9. No. of Bid technically qualified (if applicable): 12 Nos.
10. Bid(s) Rejected: NIL
11. Financial Bid Opening date: 11<sup>th</sup> January 2014
12. Bid Evaluation Report:


<i>S No</i>	<i>Name of Firm or Bidder</i>	<i>Cost offered by the Bidder</i>	<i>Ranking in terms of cost</i>	<i>Comparison with Estimated cost</i>	<i>Reasons for acceptance/rejection</i>	<i>Remarks</i>
0	1	2	3	4	5	6
<b>COMPARATIVE STATEMENT ATTACHED</b>						

  
(Abdul Hafeez Mahesar)  
Deputy Secretary (B&E-IV)  
Finance Department  
Government Sindh

  
(Abdul Ghaffar Abbasi)  
Mukhtarkar Model Colony  
Deputy Commissioner  
Karachi, EAST.

  
(Dr. Wali Muhammad)  
Surveillance Officer  
World Health Organization  
Karachi.

  
(Dr. Akhtiar Ahmed Shaikh)  
Sr. Medical Officer (Store)  
Sindh Government Hospital  
Saudabad, Karachi.

  
(Dr. Malka Khalid Jaffri)  
Add. Medical Superintendent  
Sindh Government Hospital  
Saudabad, Karachi.



No. FD(E&A)9(58)/2014 (Provl.)  
**GOVERNMENT OF SINDH**  
**FINANCE DEPARTMENT**

Karachi, dated the 13<sup>th</sup> March, 2014

To,

The Section Officer (PM&I),  
Health Department,  
Government of Sindh,  
Karachi.

**SUBJECT: NOTIFICATION OF PROCUREMENT COMMITTEE.**

I am directed to refer your letter No. SO(PM&I)2-1/2013/PM-12 (SGHS), dated 24-02-2014, on the subject noted above and to inform that Finance Department has nominated Deputy Secretary (B&E-IV) to represent this department as a member for said Procurement Committee, constituted under Rule-7 of Sindh Public Procurement Rules 2010.

(NIZAMUDDIN SOLANGI)  
Section Officer (Admn)

A copy is forwarded for information and necessary action to:-

1. The Additional Finance Secretary (SR/Admn)/ (B&E), Finance Department.
2. The Deputy Secretary (SR-I/Admn.), Finance Department.
3. The P.S. to Special Finance Secretary (all), Finance Department.
4. The R.O. to Secretary Finance.
5. Officer concerned.
6. Office order file.

Section Officer (Admn)



Phone # 99203108, 99204203  
No.SO (PM&I)2-1/2013/PM-12(SGHS).  
**GOVERNMENT OF SINDH**  
**HEALTH DEPARTMENT**  
(PROCUREMENT MONITORING & INSPECTION CELL)  
Karachi, Dated, the 24<sup>th</sup> February, 2014

The Secretary to  
Government of Sindh,  
Finance Department,  
Karachi.

**Sub: NOTIFICATION OF PROCUREMENT COMMITTEE**

I am directed to state that this department notified Procurement Committee including representative from Finance department vide Notification No. SO(PM&I) 2-1/2013 (SGHS), dated 13<sup>th</sup> August, 2013.

The Medical Superintendent Sindh Government Hospital Saudabad, Karachi in his letter No. SGBHSK/Acet./2013-14/305/06, dated: 19<sup>th</sup> February, 2014 informed that the hospital is going to purchase Machinery/Equipment through ADP Scheme 407 and presence of F.D.'s representative is essential.

It is requested to nominate an officer not below the rank of BPS-18 as a member of Procurement Committee for purchase of Machinery/Equipment under ADP Scheme during financial year 2013-14.

*f*  
(MOHAMMAD ANWAR KHOKHAR)  
SECTION OFFICER (PM&I)

**C.C to:**

- ← The Medical Superintendent Sindh Government Hospital Saudabad, Karachi,  
w.r. to her above cited letter.
- The P.S. to Secretary Health Sindh.

*[Signature]*  
SECTION OFFICER (PM&I)



OFFICE OF THE  
MEDICAL SUPERINTENDENT  
SINDH GOVERNMENT HOSPITAL  
SAUDABAD, KARACHI.

021-4504020

NO.SGBHSK/Acct./ 2013-14- 305/06

Dated 19/02/14

To,

The Additional Secretary.  
(PM&I Cell)  
Government of Sindh,  
Health Department,  
Karachi.

Subject:- NOTIFICATION OF PROCUREMENT COMMITTEE.

Reference: Government of Sindh, Health Department's Notification No. SO(PM&I)2-1/2013(SGHS), dated 13<sup>th</sup> August 2013 regarding subject noted above.

Respected Sir,

I have the honour to submit that we are going to purchase Machinery & Equipment through ADP scheme 407, it is therefore requested to kindly write a letter to Finance Department for nomination one member from their Department for Procurement Committee in favour of Sindh Government Hospital Saudabad, Karachi as earliest.

NO.SGBHSK/Acct./ 2013-14- 305/06

(Dr. Malika Khalid Jaffri)  
Add. Medical Superintendent  
Sindh Government Hospital  
Saudabad, Karachi.

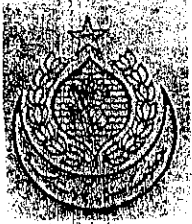
Dated 19/02/14

A copy forwarded for information to:

- The Secretary, Government of Sindh Health Department Karachi.

M  
19/2

(Dr. Malika Khalid Jaffri)  
Add. Medical Superintendent  
Sindh Government Hospital  
Saudabad, Karachi.



No. HD(P&E)3-2(278)/ 2011-12  
Government of Sindh  
Health Department (Development Wing)  
Karachi, dated 07-11-2013

## ORDER

No.. HD (P&E) 3-2(278)/2011-12 Sanction of the Government of Sindh is hereby accorded to the expenditure of Rs 6.138 (Rupees Six Million One Hundred Thirty Eight Thousand Only) being 50% (Revenue Component) in respect of the approved Ongoing ADP scheme. No 407 namely "Extension of Sindh Government Behbhani Hospital Saudabad Malir Karachi" DDO Code:KA-9479 & Project ID, KA-07081016.


2. The amount is further placed at the disposal of Medical Superintendent Sindh Government Behbhani Hospital Saudabad Malir Karachi.

3. Object-wise codes & item-wise details for the released amount are given below:

No	Code	Object Classification	Phasing wise Allocation for CFY (Revised) B.E. 2013-14)	Funds already released	Funds Demanded	Un-released Amount
1	A-09601	Machinery/ Equipment	12.275	-	6.138	6.137

4. The sanction has been accorded subject to following terms and condition:

- I. The sanctioned amount should be disbursed to all the subordinate offices / executing agency within 10 days of receipt of the same. A certificate / intimation to this effect should be provided to Finance Department.
- II. No expenditure shall be incurred on development scheme till the time Administrative Approval is issued / authenticated by the competent authority.
- III. It may be ensured that the expenditure on development scheme project should not exceed current years 2013-14 ADP allocation or actual releases whichever is less. The concerned officer should be held personally responsible for any excess expenditure/any liability created beyond authorization.
- IV. It shall be responsibility of the executing officer to reconcile the expenditure with Accountant General Sindh / District Accounts Officer / Treasury Officers.
- V. The payment will be made through A.G. Sindh / concerned Treasury Officer on submission of bills duly signed by the Medical Superintendent Sindh Government Behbhani Hospital Saudabad Malir Karachi.

  
Section Officer (Special Programme)  
Finance Department  
Government of Sindh

FAR-99204203

Phone # 99203108. 99204203



**GOVERNMENT OF SINDH**  
**HEALTH DEPARTMENT**  
(PROCUREMENT MONITORING & INSPECTION CELL)

**NOTIFICATION**

No.SO(PM&I)2-1/2013(SGHS): The Competent Authority has been pleased to constitute the Procurement Committee under Rules-7 of Sindh Public Procurement Rules 2010 comprising the following for procurement during the current financial year 2013-14 at the Sindh Government Hospital Saudabad, Karachi.

01	Additonal Medical Superintendent, Sindh Govt. Hospital Saudabad, Karachi.	Chairman
02	Senior Medical Officer Sindh Govt. Hospital Saudabad, Karachi.	Member
03	Representative from Finance Department.	Member
04	Representative from Deputy Commissioner concerned.	Member
05	Representative from WHO.	Member

**TORs**

- The TORs / Functions / Responsibilities of the Procurement committee in accordance with Rule-8 of 9SPP 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.

The Medical Superintendent, Sindh Government Hospital Saudabad Karachi is responsible to forward the comparative statement/ evaluation report & recommendations of Procurement Committee to the office of Adl. Secretary (PM&I), Health Deptt. & Sindh Public Procurement Regulatory Authority, for hoisting on Authority's website as per Rule 45 of SPP Rules 2010, before award of contracts.

**INAMULLAH**  
**SECRETARY HEALTH**

No. S.O.(PM&I) 2-1/2013(SGHS)

Karachi, dated, the 13<sup>th</sup> August, 2013

**C.C to the:**

- The Accountant General Sindh, Karachi.
- The Managing Director, Sindh Public Procurement Regulatory Authority, Karachi.
- The Sindh Government Hospital Saudabad Karachi.
- All the members of the Committee.
- The P.S. to Secretary Health.

(MOHAMMAD ANWAR KHOKHAR)  
SECTION OFFICER (PM&I)



OFFICE OF THE  
MEDICAL SUPERINTENDENT  
SINDH GOVERNMENT HOSPITAL  
SAUDABAD, KARACHI.

021-34504020  
NO.SGBHSK/

12

Dated 3<sup>rd</sup> January 2014.

**MINUTES OF MEETING OF PURCHASE COMMITTEE TO OPEN BID  
EVALUATION (TECHNICAL SPECIFICATION) FOR PURCHASE OF  
MACHINERY & EQUIPMENTS THROUGH ADP SCHEME 407.**

A meeting of purchase committee of Sindh Government Hospital Saudabad, Karachi was held on 28<sup>th</sup> December 2013 in the office of Medical Superintendent to evaluate the Technical Specification quoted by the bidders for items mentioned in subject noted above.

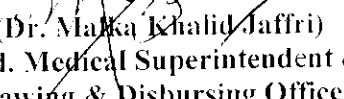
The Additional Medical Superintendent & Chairperson Dr. Malka Khalid Jaffri has presided the meeting, meeting was also attended by the members of purchase committee.

- Dr. Akhtiar Ahmed Shaikh. Sr. Medical Officer, SGH Saudabad, Karachi.
- Mr. Abdul Ghani. Mukhtarkar, Modal Colony, for DC East.
- Dr. Wali Muhammad. Surveillance Officer, for WHO Karachi.

Member from Finance Department not attend the meeting.

After examining the Technical Specification, the list of companies Annexure as approved for financial bid opening.

**Chairperson**

  
(Dr. Malka Khalid Jaffri)  
Add. Medical Superintendent &  
Drawing & Disbursing Officer  
Sindh Government Hospital  
Saudabad, Karachi.



021-34504020

NO.SGBHSK/

70

OFFICE OF THE  
MEDICAL SUPERINTENDENT  
SINDH GOVERNMENT HOSPITAL  
SAUDABAD, KARACHI.

Dated 15th January 2014.

**MINUTES OF MEETING OF PURCHASE COMMITTEE TO OPEN BID  
EVELUATION (FINANCIAL) FOR PURCHASE OF MACHINERY &  
EQUIPMENTS THROUGH ADP SCHEME 407.**

A meeting of purchase committee of Sindh Government Hospital Saudabad, Karachi was held on 11<sup>th</sup> January 2014 in the office of Medical Superintendent to evaluate the financial bid quoted by the bidders for items mentioned in subject noted above.


The Additional Medical Superintendent & Chairperson Dr. Malka Khalid Jaffri has presided the meeting. meeting was also attended by the members of purchase committee.

- |                             |  |
|-----------------------------|--|
| ➤ Dr. Akhtiar Ahmed Shaikh. | Sr. Medical Officer, SGH Saudabad,<br>Karachi. |
| ➤ Mr. Abdul Ghani.          | Mukhtarkar, Modal Colony, for DC<br>East.      |
| ➤ Dr. Wali Muhammad.        | Serveillance Officer, for WHO<br>Karachi.      |

Member from Finance Department not attend the meeting.

After examining the Financial bids, the items list of the Annexure as approved for purchase.

**Chairperson**

  
(Dr. Malka Khalid Jaffri)  
Add. Medical Superintendent &  
Drawing & Disbursing Officer  
Sindh Government Hospital  
Saudabad, Karachi.



OFFICE OF THE  
MEDICAL SUPERINTENDENT  
SINDH GOVERNMENT HOSPITAL  
SAUDABAD, KARACHI.

COST COMPARATIVE STATEMENT OF MACHINERY & EQUIPMENTS PURCHASE THROUGH ADP(407), 2013-14

Area #	DESCRIPTION	FAS Traders	Zam Traders	Allimed Solution	BIOS	Standard Suppliers	Noor International	QFR Enterprises	Universal Enterprises	Diagnostic System	Shirazi Trading	Phone Tel	Mediequips
		3	4	5	6	7	8	9	16	11	12	13	14
1	AUTO CLAVE	Technical Rejected	130,000.00	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted
2	VENTILATOR	Not Quoted	Not Quoted	1,980,000.00 With little differ	640,000.00	1,250,000.00	2,730,000.00 With little differ	2,375,000.00 With little differ	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted
3	HOT DRY OVEN	Not Quoted	137,000.00	Not Quoted	Technical Rejected	290,000.00	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted
4	NITROUS OXIDE CYLINDERS (Large Size)	53,000.00	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted
5	MASTOIDECTOMY DRILL	Not Quoted	1,420,000.00	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted
6	COMPACT AIR DRIVE	Not Quoted	1,249,000.00	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted
7	INSERTION INSTRUMENT SET FOR FEMUR	313,400.00	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted
8	LOCKING INSTRUMENT SET FOR TIBIA	313,400.00	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	870,000.00	2,278,201.00	Not Quoted	Not Quoted	Not Quoted	Not Quoted
9	O.T TABLE	Not Quoted	Technical Rejected	Not Quoted	1,795,000.00	Technical Rejected	Not Quoted	Not Quoted	Not Quoted	Technical Rejected	Not Quoted	Not Quoted	Not Quoted
10	HEMATOLOGY ANALYZER WITH UPS	Not Quoted	1,520,000.00	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted
11	BLOOD BANK REFRIGERATOR WITH UPS 120 MINUTES BACKUP.	Not Quoted	1,049,000.00	Not Quoted	Not Quoted	Not Quoted	2,942,000.00	Technical Rejected	Not Quoted	Not Quoted	Technical Rejected	Not Quoted	Not Quoted
12	ANESTHESIA MACHINE WITH VENTILATOR	Not Quoted	Not Quoted	Not Quoted	1,890,060.00	2,700,000.00	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	772,200.00	Not Quoted
13	TELEPHONE EXCHANGE(PABX) 200 LINES WITH INSTALLATION	Technical Rejected	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Technical	Not Quoted	Technical
14	ULTRASOUND MACHINE WITH TROLLEY, PRINTER, UPS WITH WARRANTY.	Not Quoted	910,000.00	Not Quoted	Technical Rejected	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Rejected	Not Quoted	Rejected
15	WHEEL CHAIR	9,940.00	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted
16	EGG MACHINE	Not Quoted	Not Quoted	Not Quoted	205,000.00	240,000.00	Not Quoted	Technical Rejected	Technical Rejected	Not Quoted	Not Quoted	Not Quoted	Not Quoted
17	WALL MOUNTING B.P APPARATUS	2,900.00	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted
18	MERCURY B.P APPARATUS	2,300.00	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted
19	MOBILE B.P APPARATUS STEEL	7,100.00	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted
20	MULTI PARA MONITOR-15 INCHES.	Not Quoted	Not Quoted	Not Quoted	180,000.00	Technical Rejected	Not Quoted	Not Quoted	Technical Rejected	Not Quoted	Not Quoted	Not Quoted	Not Quoted
21	OXYGEN CYLINDER-LARGE	27,500.00	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted

	2	3	4	5	6	7	8	9	10	11	12	13	14
		Not Quoted	Not Quoted	Not Quoted	7,000.00	7,500.00	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted
23	FLOW METER	3,500.00	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted
24	NEBULIZER	6,200.00	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted
25	DUST BIN STEEL WITH LID (LARGE)	10,000.00	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted
26	SOLID WASTE DRUM	100,000.00	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted
	FLOOR POLISHER 1200 WATT												

*Abdul Hafeez*  
**ABDUL HAFEEZ MAHESAR**  
 Deputy Secretary (F&E-IV)  
 Finance Department  
 Government of Sindh  
 Karachi.

*Abdul Ghani Abbasi*  
**(Abdul Ghani Abbasi)**  
 Mukhtarkar Model Colony  
 Deputy Commissioner  
 Karachi, East.

*Wali Muhammad*  
**(Dr. Wali Muhammad)**  
 Surveillance Officer  
 W.I.O  
 Karachi.

*Ahmed Shaikh*  
**(Dr. Akhtiar Ahmed Shaikh)**  
 RMO General  
 Sindh Govt. Hospital  
 Saudabad, Karachi.

*Muhammad Jaffri*  
**(Dr. Malik Khalid Jaffri)**  
 Add. Medical Superintendent &  
 Drawing & Disbursing Officer  
 Sindh Government Hospital



021-34504020

**TECHNICAL SPECIFICATION OF MACHINERY & EQUIPMENTS THROUGH ADP(407), 2013-14  
OPENED ON DECEMBER 28, 2013**

**Technical Comparative Statement**

ITEM NO.	NAME OF EQUIPMENT	QUOTED BY	TECHNICALLY ACCEPTED	TECHNICALLY REJECTED	REMARKS
01	AUTOCLAVE	M/S FAS Traders M/S Zam Trading	Zam Trading	FAS Traders	<ul style="list-style-type: none"> <li>M/s Zam Trading is Technically Accepted as they meet with Technically Specification.</li> <li>M/s FAS Traders is technically rejected as they did not submitted any technical Specification for said item.</li> </ul>
02	VENTILATOR	M/s. Allmed Solution M/s. BIOS M/s. Standard Supplies M/S. Noor International M/S. QFR Enterprises	M/s. Allmed Solution M/s. BIOS M/s. Standard Supplies M/S. Noor International M/S. QFR Enterprises	--No--	<ul style="list-style-type: none"> <li>M/s BIOS &amp; M/S Standard Supplies are Technically Accepted as they meets with Technical Specification</li> <li>M/S Allmed Solution &amp; M/S Noor International &amp; M/S QFR Enterprises are technically accepted with Little Differ with Specification.</li> </ul>
03	HOT DRY OVEN	M/s. BIOS M/s. Standard Supplies M/S Zam Trading	M/s. Standard Supplies M/S Zam Trading	M/S BIOS	<ul style="list-style-type: none"> <li>M/s Zam Trading &amp; M/S Standard Supplies are Technically Accepted as they meet with Technical Specification.</li> <li>M/S BIOS is technically rejected as the quoted system does not have "With Dry and re dry</li> </ul>

Asifullah QADRI.


*Technical Comparative Statement for Machinery & Equipments through A.D.P 2013-14*


						function auto exhaust" function.
04	NITROUS-OXIDE CYLINDER (LARGE SIZE)	M/s. FAS Traders	M/s. FAS Traders	M/s. FAS Traders	--No--	<ul style="list-style-type: none"> <li>M/s. FAS Trading meets with Technical Specification</li> </ul>
05	MASTODECTOMY DRILL	M/s. Zam Trading	M/s. Zam Trading	M/s. Zam Trading	--No--	<ul style="list-style-type: none"> <li>M/s. Zam Trading meets with Technical Specification.</li> </ul>
06	COMPACT AIR DRIVE	M/s. Zam Trading	M/s. Zam Trading	M/s. Zam Trading	--No--	<ul style="list-style-type: none"> <li>M/s. Zam Trading meets with Technical Specification.</li> </ul>
07	INSERTION INSTRUMENT SET FOR FEMUR	M/s. FAS Traders	M/s. FAS Traders	M/s. FAS Traders	--No--	<ul style="list-style-type: none"> <li>M/s. FAS Trading meets with Technical Specification</li> </ul>
08	LOCKING INSTRUMENT SET FOR TIBIA COLONOSCOPY	M/s. FAS Traders	M/s. FAS Traders	M/s. FAS Traders	--No--	<ul style="list-style-type: none"> <li>M/s. FAS Trading meets with Technical Specification</li> </ul>
09	O.T TABLE	M/s. BIOS M/s. Standard Supplies M/S. Universal Enterprises M/S. QFR Enterprises M/S. Zam Trading	M/s. BIOS M/S. Universal Enterprises M/S. QFR Enterprises	M/s. Standard Supplies M/S. Zam Trading		<ul style="list-style-type: none"> <li>M/S BIOS, M/S Universal Enterprises &amp; M/S QFR Enterprises are Technically Accepted as They Meets with Technical Specification.</li> <li>M/S Standard Supplies are Technically Rejected as they did not meet with (special for the cath-lab photograph and spine operating) and (Suitable for the ophthalmic and plastic surgery cause the space under the table top is empty and huge).</li> <li>M/S Zam Traders Technically rejected as they Quoted Hydraulic Table.</li> </ul>
10	HEMATOLOGY ANALYZER WITH UPS	M/S Zam Trading M/S Diagnostic System	M/S Zam Trading M/S Diagnostic System	M/S Zam Trading	M/S Diagnostic System	<ul style="list-style-type: none"> <li>M/S Zam Trading is Technically Accepted as they meet with Technical Specification.</li> </ul>


					<ul style="list-style-type: none"> <li>• M/S Diagnostic Systems Technically rejected as they did not quoted UPS. &amp; not offering 2 Years After sales Warranty.</li> <li>• M/S Zam Trading is technically Accepted as they meets with technical specification</li> <li>• M/S BIOS, M/S Standard Supplies &amp; M/S Noor International are Technically Accepted as they meets with Technical Specification.</li> <li>• M/S Shirazi Trading is Technically Rejected as they have only 2 Cylinder Yokes &amp; Only 2 Drawers &amp; Does not have secondary Regulator.</li> <li>• M/S QFR Enterprises Does not Have Vertical Tec Slot Mounting Arm, &amp; Battery &amp; Have only 2 cylinder yokes.</li> <li>• M/s. Phone Tel (Pvt.) Ltd. is Technically Accepted as they meet with technical Specification.</li> <li>• FAS Traders is technically Rejected as they did not submitted any technical Specification for said item.</li> <li>• M/S Zam Trading is Technically Accepted as they meet with Technical Specification.</li> <li>• M/s. BIOS, M/S Shirazi trading &amp; M/S Mediequips are technically rejected as they have quoted from</li> </ul>
11	BLOOD BANK REFRIGERATOR WITH UPS 120 MINUTES BACKUP	M/S Zam Trading	M/S Zam Trading	--No--	
12	ANESTHESIA MACHINE WITH VENTILATOR	M/s. Shirazi Trading M/s. BIOS M/s. Standard Supplies M/S. Noor International M/S. QFR Enterprises	M/S. BIOS M/S. Standard Supplies M/S. Noor International	M/s. Shirazi Trading M/S. QFR Enterprises	
13	TELEPHONE EXCHANGE (PABX) 200 LINES WITH INSTALLATION	M/s. FAS Traders M/s. Phone Tel (Pvt.) Ltd.	M/s. Phone Tel (Pvt.) Ltd.	M/s. FAS Traders	
14	ULTRASOUND MACHINE WITH TROLLEY, PRINTER & UPS WITH WARRANTY	M/s. BIOS M/S Shirazi trading M/S Mediequips. M/S Zam Trading	M/S Zam Trading	M/s. BIOS M/S Shirazi Trading M/S Mediequips.	


					China. <ul style="list-style-type: none"> <li>• Also M/S Shirazi trading does not have FDA Certificate.</li> <li>• M/S FAS Traders is Technically Accepted as they meet with Technical Specification</li> <li>• M/s. BIOS, M/S Shirazi trading &amp; M/S Standard Supplies are technical accepted and meets with technical Specification.</li> <li>• M/S Universal Enterprises &amp; M/S QFR Enterprises is technically rejected as they don't have loose leads indicator &amp; Auto- Adaptive filters</li> <li>• M/s. FAS Traders is Technically Accepted as they meet With Technical Specification</li> <li>• M/s. FAS Traders is Technically Accepted as they meet With Technical Specification</li> <li>• M/s. FAS Traders is Technically Accepted as they meet With Technical Specification</li> <li>• M/S BIOS Is Technically Accepted As they meet with technical specification.</li> <li>• M/S Standard Supplies &amp; M/S Universal Enterprises are technically rejected as they don't have FDA.</li> <li>• M/S. FAS Traders is Technically Accepted as they meet with technical specification</li> <li>• M/S. BIOS &amp; M/S Standard</li> </ul>
15	WHEEL CHAIR	M/S FAS Traders	M/S FAS Traders	M/S FAS Traders	
16	EKG MACHINE	M/s. BIOS M/S Shirazi trading M/S Universal Enterprises M/S Standard Supplies M/S QFR Enterprises	M/s. BIOS M/S Shirazi trading M/S Standard Supplies	M/S Universal Enterprises M/S QFR Enterprises	
17	WALL MOUNTING BP APPARATUS	M/s. FAS Traders	M/s. FAS Traders	M/s. FAS Traders	
18	MERCURY BP APPARATUS	M/s. FAS Traders	M/s. FAS Traders	M/s. FAS Traders	
19	MOBILE BP APPARATUS STEEL	M/s. FAS Traders	M/s. FAS Traders	M/s. FAS Traders	
20	MULTIPERA MONITOR 15"	M/s. BIOS M/S Standard Supplies M/S Universal Enterprises	M/s. BIOS	M/S Standard Supplies M/S Universal Enterprises	
21	OXYGEN CYLINDER LARGE	M/s. FAS Traders	M/s. FAS Traders	M/s. FAS Traders	
22	FLOW METER	M/s. BIOS	M/s. BIOS	M/s. BIOS	


	M/S Standard Supplies	M/S Standard Supplies	Supplies is technically Accepted as they meet with Technical Specification
23	M/s. FAS Traders	M/s. FAS Traders	<ul style="list-style-type: none"> <li>M/S. FAS Traders is Technically Accepted as they meet with technical specification</li> </ul>
24	M/s. FAS Traders	M/s. FAS Traders	<ul style="list-style-type: none"> <li>M/S. FAS Traders is Technically Accepted as they meet with technical specification</li> </ul>
25	M/s. FAS Traders	M/s. FAS Traders	<ul style="list-style-type: none"> <li>M/S. FAS Traders is Technically Accepted as they meet with technical specification</li> </ul>
26	M/s. FAS Traders	M/s. FAS Traders	<ul style="list-style-type: none"> <li>M/S. FAS Traders is Technically Accepted as they meet with technical specification</li> </ul>

  
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SAUDABAD, KARACHI.

TECHNICAL SPECIFICATION OF MACHINERY & EQUIPMENTS THROUGH ADP(407), 2013-14

Item #	DESCRIPTION	FAS Traders	Zam Traders
1	<u>AUTO CLAVE</u>		
	Model:	Not Mentioned	Not Mentioned
	Make:	Not Mentioned	Local
	Horizontal sterilizer.	Not Mentioned	Yes
	Chamber Capacity: 35 Liters.	Not Mentioned	Yes
	Standard Accessories: Stainless Steel.	Not Mentioned	Yes
	Electric & Gas Operated.	Not Mentioned	Yes
	One year warranty.	Not Mentioned	Yes
	Origin: Pakistan.	Pakistan	Pakistan

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TECHNICAL SPECIFICATION OF MACHINERY & EQUIPMENTS THROUGH ADP(407), 2013-14

Item #	DESCRIPTION	BIOS	Standard Suppliers	Noor International	QFR Enterprises	Allmed Solution
2	<b>VENTILATOR</b>					
	<b>Make:</b>	OES Medical	Penlon	Hamilton	Oricare	Philips
	<b>Model:</b>	Carina	AVS	CI	V8800	V200
	Could Connect with Hospital Existing Anesthesia Machine	Yes	Yes	No	No	No
	Adult, Pediatric, Neonates	Yes	Yes	Yes	Yes	Yes
	Ventilator is an electronic time cycled ventilator with integrated patient alarms for improved patient safety	Yes	Yes	Yes	Yes	Yes
	Adjustable inspiratory time, expiratory time and flow rate.	Yes	Yes	Yes	Yes	Yes
	Adjustable low and high pressure alarms	Yes		Yes	Yes	Yes
	Inspiratory time	Yes	Yes	Yes	Yes	Yes
	Expiratory time	Yes	Yes	Yes	Yes	Yes
	Flow Rate	Yes	Yes	Yes	Yes	Yes
	Adjustable Pressure Relief	Yes	Yes	Yes	Yes	Yes
	I:E Ratio	Yes	Yes	Yes	Yes	Yes
	Tidal Volume	Yes	Yes	Yes	Yes	Yes
	Driving Gas	Yes	Yes	Yes	Yes	Yes
	Supply Pressure	Yes	Yes	Yes	Yes	Yes
	Airway Pressure Gauge	Yes	Yes	Yes	Yes	Yes
	Adjustable Low Pressure Alarm	Yes	Yes	Yes	Yes	Yes
	Adjustable High Pressure Alarm	Yes	Yes	Yes	Yes	Yes
	Mute Button	Yes	Yes	Yes	Yes	Yes

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2	Patient Audible and Visual Alarms	For disconnect / low airway pressure, high airway pressure, high continuous pressure and sub ambient pressure	Yes	Yes	Yes	Yes	Yes	
	Additional Ventilator Alarms	For mains failure, low battery and low drive gas pressure	Yes	Yes	Yes	Yes	Yes	
	External Power Supply	90 - 264 volts A.C.	Yes	Yes	Yes	Yes	Yes	
	Battery Backup	12 hours minimum	Yes	30 Minutes	2 Hour	1 Hour	No	
	Installation with two years full warranty required.		As Per Tender	Yes	Yes	Yes	As Per Tender	As Per Tender
	Complete with all standard Accessories.		As Per Tender	Yes	Yes	Yes	Yes	Yes
	Country origin: USA / UK / EU.		As Per Tender	UK	UK	Switzerland	USA	USA

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**TECHNICAL SPECIFICATION OF MACHINERY & EQUIPMENTS THROUGH ADP(407), 2013-14**

Item #	DESCRIPTION	BIOS	Standard Suppliers	Zam Traders
3	<b>HOT DRY OVEN</b>			
	<b>Make:</b>	Gemmy	AFA Industries	Care Vision
	<b>Model:</b>	YCO-010	AS-16x	C25
	Horizontal Semi-Automatic	No	Yes	Yes
	With Dry and re dry function auto exhaust	Yes	Yes	Yes
	With low water indicator	No	Yes	Yes
	With auto exhaust function	Yes	Yes	Yes
	With sterilization temperature 121°C and 134°C both	Yes	Yes	Yes
	Door close knob is 90° close/open design light and convenient for operation	No	Yes	Yes
	<b>Technical Specification:</b>			
	Chamber Diameter	Yes	Yes	Yes
	Chamber Capacity	Yes	Yes	Yes
	Sterilization Temperature	Yes	Yes	Yes
	Design Temperature	Yes	Yes	Yes
	Filling Water	Yes	Yes	Yes
	Dry Function	No	Yes	Yes
	Power Consumption	Yes	Yes	Yes
	Voltage /Frequency	Yes	Yes	Yes
	230V /50-60HZ			
	<b>Complete With Following Standard Accessories</b>			
	SUS# 304 Stainless steel sterilization box x 1	Yes	Yes	Yes
	SUS # 304 Stainless steel heaters cover x 1	Yes	Yes	Yes

Asifullah QADRI. *[Signature]* *[Signature]* *[Signature]* *[Signature]*

3 Installation with two years full warranty required.

Country of origin: Korea/Taiwan/Malaysia

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As Per Tender

Taiwan

As Per Tender

Taiwan

As Per Tender

China



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TECHNICAL SPECIFICATION OF MACHINERY & EQUIPMENTS THROUGH ADP(407), 2013-14

Item #	DESCRIPTION	FAS Traders
4	NITROUS OXIDE CYLINDERS (Large Size)	
	240 Cubic meter Nitrous Oxide Cylinders (Large Size)	Yes
	Tested warranty certified	As Per Tender
	Origin: Malaysia / Taiwan/China/Korea/Europe .	Pakistan

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**TECHNICAL SPECIFICATION OF MACHINERY & EQUIPMENTS THROUGH ADP(407), 2013-14**

Item #	DESCRIPTION	Zam Traders
5	<b>MASTOIDECTOMY DRILL</b>	
	<b>Make:</b>	Bojin Power tools
	<b>Model:</b>	Electric 3000
	Mastoid Drill for ENT & Mastoidectomy	Yes
	High speed Drill has 40,000 or more rpm	Yes
	No noise, vibration & heat after long hours of operation	Yes
	Complete with Mastoid Attachments & other Standard Accessories.	Yes
	<b>Two years full warranty required.</b>	
	<b>Country of Origin: Korea / Taiwan/China</b>	As Per Tender
		China

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TECHNICAL SPECIFICATION OF MACHINERY & EQUIPMENTS THROUGH ADP(407), 2013-14

Item #	DESCRIPTION	Zam Traders
6	<b>COMPACT AIR DRIVE</b>	
	<b>Make:</b>	Bojin power tools
	<b>Model:</b>	Cordless AP4000
	For traumatology , Endo Prosthetics & Spine	Yes
	Continuously adjustable speed up to 15000 or more	Yes
	Air consumption: Approx. 250 l/min	Yes
	Recommended operating 6-7 bar (max. 10 bar) pressure	Yes
	Hand piece vibration: <2.5 m/s	Yes
	Forward/reverse running Gradually adjust the forward speed	Yes
	Attachment coupling	Yes
	Unlocking button for attachment coupling	Yes
	Speed regulation	Yes
	Reverse running selection	Yes
	Soft mode switch with safety function	Yes
	Hose coupling	Yes
	Safety system that prevents the drive from being accidentally started	Yes
	Complete with All necessary Accessories. Saw & Attachments, Chucks & burs. Hose pipe & etc.	Yes
	Two years full warranty required.	
	Country of Origin: Korea /Taiwan/China	As Per Tender
		China

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**TECHNICAL SPECIFICATION OF MACHINERY & EQUIPMENTS THROUGH ADP(407), 2013-14**

Item #	DESCRIPTION	FAS Traders
7	<b>INSERTION INSTRUMENT SET FOR FEMUR</b>	
	Reverse Awl	1 Yes
	Sere driver, hexagonal, φ4.0	1 Yes
	Depth Gauge	1 Yes
	Insenter-Extractor for Femoral Nail	1 Yes
	Universal joint	1 Yes
	Screwdriver, hexagonal, cannulated, φ5.0	2 Yes
	Drill Bits φ4.2	1 Yes
	Ratchet Wrench	2 Yes
	Fixation Sleeve for Drill Bit φ4.2	1 Yes
	L-Wrench, hexagonal. φ3.0	1 Yes
	Drill Bits φ5.0	1 Yes
	Drill its with Flat Head, φ5.0	1 Yes
	Tissue Protector	1 Yes
	Trocar, use with protection sleeve	1 Yes
	Protection Sleeve	2 Yes
	L-Handle Drill Sleeve	2 Yes
	Insertion Handle for Femoral Nail	1 Yes
	Connecting Screw, Cannulated, for Femoral Nail	1 Yes
	Proximal Aimin Ar for Femoral Nail	1 Yes
	Distal Aiming Arm for Femoral Nail	1 Yes
	Locking Screw I for Aiming Arm	1 Yes
	Radiographic Ruler for Femoral Nail	1 Yes
	Calibrating Pin	1 Yes
	Locking Screw II for Aiming Arm	1 Yes
	Hammer	1 Yes

Asifullah QADI. *[Signature]*

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7	Protection Sleeve, for calibrating Pin	1	Yes
	Locking Screw III for Aiming Arm	1	Yes
	U-Clip	1	Yes
	Wrench, for connecting screw	1	Yes
	Adjusting Trocar	2	Yes
	Screwdriver Shaft for End Cap	1	Yes
	Outer Protection Sleeve, for calibrating pin	1	Yes
	Trocar, for Outer Protection Sleeve, for calibrating pin	1	Yes
	Guide Wire $\phi 2.5$ . length 660mm wit olive head	1	Yes
	Guide Wire $\phi 2.5$ length 660mm, with olive head	1	Yes
	Guide Wire $\phi 2.5$ length 250mm	1	Yes
	Drill Guide for Guide Wire	1	Yes
	Connecting Screw for Inserter-Extractor	1	Yes
	Screwdriver, hexagonal, with universal Joint	1	Yes
	Locking Screw IV for Aiming Arm	1	Yes
	Instrument Case	1	Yes
	Two years full warranty required.		As Per Tender
	Country of Origin: Korea /Taiwan/China		As Per Tender

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TECHNICAL SPECIFICATION OF MACHINERY & EQUIPMENTS THROUGH ADP(407), 2013-14

Item #	DESCRIPTION	FAS Traders
8	<b>LOCKING INSTRUMENT SET FOR TIBIA</b>	
	Product Name	Qty
	Insertion Handel for Tibia Nail	1
	Aiming Arm Shaft For Tibia Nail	1
	Proximal Aiming Device for Anteroposterior Interlocking, right	1
	Distal Aiming Device for Tibial Nail	1
	Connecting Screw, Cannulated, Short for Tibia Nail	1
	U-Clip	1
	Locking Screw I for Aiming Device	1
	Locking Screw II for Aiming Device	1
	Calibrating Pin	1
	Locking Screw III for Aiming Device	1
	Screwdriver, Hexagonal $\phi$ 4.0	1
	Screwdriver, cannulated $\phi$ 5.0	1
	Depth Gauge	1
	Insertor-Extractor for Tibia Nail	1
	L-Wrench, Hexagonal, $\phi$ 3.0	1
	Reverse Awl	1
	Protection Sleeve, $\phi$ 8.0/ $\phi$ 10.0	2
	Drill Sleeve $\phi$ 4.0	2
	Trocar $\phi$ 8.0	1
	Drill Bits $\phi$ 3.8	2
	Fixation Sleeve for Drill Bit $\phi$ 4.0	2
	Hammer	1
	Drill Bits $\phi$ 5.0	1
	Drill Bits with Flat Head, $\phi$ 5.0	1
	Protection Sleeve for Calibrating Pin	1

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8	Tissue Protector	1	Yes
	Radiographic Rule for Tibial Nail	1	Yes
	Wrench for connecting screw	1	Yes
	Proximal Aiming Device for Ant oposterior Interlocking, left	1	Yes
	Adjusting Trocar	2	Yes
	Guide Wire $\phi$ 2.0, Length 660mm, with olive head	1	Yes
	Guide Wire $\phi$ 2.0, Length 660mm, with out olive head	1	Yes
	Guide Wire $\phi$ 2.5, Length 250m	1	Yes
	Screwdriver Shaft for End Cap	1	Yes
	Outer Protection Sleeve, for fibrating pin	1	Yes
	Trocar for Outer Protection Sleeve, for calibrating pin	1	Yes
	Drill Guide for Guide Wire	1	Yes
	Connecting Screw for inserter-Extractor	1	Yes
	Screwdriver, hexagonal with universal joint	1	Yes
	Instrument case	1	Yes
	<b>Origin : USA/UK/Pakistan</b>		

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**TECHNICAL SPECIFICATION OF MACHINERY & EQUIPMENTS THROUGH ADP(407), 2013-14**

Item #	DESCRIPTION	BIOS	Universal Enterprises	Standard Suppliers	QFR Enterprises	Zam Traders	
9	<b>O.T TABLE</b>						
	<b>Make:</b>	AFA	BICAKCHLAR	Sturdy	Bowin Medical	Sturdy	
	<b>Model:</b>	AT-800	2000R	280	BW-300	AT-80	
	The elevation and trend should operate by the electric hydraulic System the other positions are operated by manual with pneumatic	Yes	Not Mentioned	Not Mentioned	Yes	No	
	The special design of the table top can be used in normal or inverse mode, which allows the C-arm scan without block.	Yes	Yes	Not Mentioned	Yes	No	
	The table Should be multi- purpose operating table, and special for the cath-lab photograph and spine operating.	Yes	Not Mentioned	Not Mentioned	Yes	No	
	Gas-Spring adjustable back plate and foot plate offer smooth and convenient control	Yes	No	Not Mentioned	Yes	Yes	
	Suitable for the ophthalmic and plastic surgery cause the space under the table top is empty and huge.	Yes	No	Not Mentioned	Yes	No	
	<b>Technical Specification</b>						
	Table Top Size	500 X 1975 MM	Yes	515-1920mm	Yes	Yes	
	Elevation	690 - 1000 MM (ELECTRIC HYDRAULIC)	Yes	740-1070	Yes	Yes	
	Trend	+22° - -22° (ELECTRIC HYDRAULIC)	Yes	30.3	Yes	Yes	
	Tilt	+22° - -22° (MECHANICAL)	Yes	30.3	Yes	Yes	
	Back Section	+65° - -30° (AIR SPRING)	Yes	515mm, 475mm	Yes	Yes	
	Head section	190° - -90° (MECHANICAL)	Yes	515mm, 260mm	Yes	Yes	
	Leg Section	+15° - -100° (AIR SPRING)	Yes	250mm, 615	Yes	Yes	
	Brake	Mechanical by foot pedal	Yes	Yes	Mechanical Control	Mechanical	
	Power	AC 110/220V; 50/60HZ	Yes	Yes	Yes	No	
	<b>Should With Following Standard Accessories:</b>						
	Screen Set	1 Set	Yes	Yes	Yes	Yes	
	Head Section	1 Set	Yes	No	Yes	Yes	

*Asifullah QADRI. Anwar Ali / E*

*Asif*

9	Arm Board	2 PCS	Yes	Yes	Yes	Yes	Yes	Yes	No
	Mattress	1 Set	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Leg section	1 Set	Yes	No	No	Yes	Yes	Yes	Yes
	Operating Handle	1 PC	Yes	No	No	Yes	Yes	Yes	No
	Electric controller	1 Set	Yes	Yes	No	Yes	Yes	Yes	No
	Power Cord	1 Set	Yes	Yes	Yes	Yes	Yes	Yes	No
	Installation with two years full warranty required.								
	Country of origin: Korea/Taiwan/Malaysia/China								

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SINDH GOVERNMENT HOSPITAL  
SAUDABAD, KARACHI.

02134504020

TECHNICAL SPECIFICATION OF MACHINERY & EQUIPMENTS THROUGH ADP(407), 2013-14

Item #	DESCRIPTION	Diagnostic System	Zam Traders
10	<u>HEMATOLOGY ANALYZER WITH UPS.</u>		
	<u>Make:</u>	Merek	Merek(Boule Medical)
	<u>Model:</u>	M20GP	Medonic M 20
	20 parameter of whole blood.	Not mentioned	Yes
	Built in mixer for up to 5 samples at a time.	Yes	Yes
	MPA micro-capillary adapter for capillary samples without pre-dilution.	No	Yes
	Touch sensitive color screen for easy operation QC program.	yes	Yes
	RBC, HGB, MCV, HCT, MCH, MCHC, PLT, MPV, RDW%, WBC, LYMF%, LYMF, MID%, MID, GRAN%, GRAN, RDW, PDW, PCT, and LPLT	No Only, RBC, HCB, MCV, HCT, MC H, MCHC, PLT, MPV, RDW%, WBC, LYMF%, LYMF, MID%, MID, GRAN%, GRAN, RDW, PDW, PCT, and LPLT	Yes
	<u>Parameter</u>	%WBC, LYMY	
	Complete with all standard Accessories		Yes
	Installation with two years full warranty required.	As Per tender	As Per Tender
	Country of Origin: USA/UK/EU		Sweden

*Abdurrahman Shattarud*  
(Abdurrahman Shattarud)  
Finance Department  
Government of Sindh  
Karachi.

*Abdul Ghaffar Abbasi*  
(Abdul Ghaffar Abbasi)  
Mukhtarkar Model Colony  
Deputy Commissioner  
Karachi, East.

*Wali Muhammad*  
(Dr. Wali Muhammad)  
Surveillance Officer  
W.H.O  
Karachi.

*Akhtiar Ahmed Shaikh*  
(Dr. Akhtiar Ahmed Shaikh)  
RMO General  
Sindh Govt. Hospital  
Saudabad, Karachi.

*Malka Khalid Jaffri*  
(Dr. Malka Khalid Jaffri)  
Add. Medical Superintendent &  
Drawing & Disbursing Officer  
Sindh Government Hospital

ABDUL HAFEEZ MAHESAR  
CHIEF ACCOUNTANT

*Asifullah Qadri*



02134504020

OFFICE OF THE  
MEDICAL SUPERINTENDENT  
SINDH GOVERNMENT HOSPITAL  
SAUDABAD, KARACHI.

TECHNICAL SPECIFICATION OF MACHINERY & EQUIPMENTS THROUGH ADP(407), 2013-14

Item #	DESCRIPTION	Zam Tradets
11	BLOOD BANK REFRIGERATOR WITH UPS 120 MINUTES BACKUP.	
	Make:	Haier Medical
	Model:	HXC-158
	Safe storage of blood at $+4^{\circ} \pm 1^{\circ}$	Yes
	Compliance with international standards and directives	Yes
	Infinite Divided Stainless Steel Drawer	Yes
	Three Type of Alarm	Yes
	Cabinet Type: Upright	Yes
	ST Climate Class	Yes
	Forced Air Cooling	Yes
	Auto Defrost mode	Yes
	CFC-free Refrigerant	Yes
	Microprocessor Controlled	Yes
	L.E.D Display	Yes
	Power Supply: 220-240/50	Yes
	Power(W) : 350	Yes
	Capacity(L/Cu.Ft):158/5.6	Yes
	Blood Storage Capacity(450ml blood bags:83)	Yes
	Two years full warranty required.	Yes
	Country of origin: Korea/Taiwan/China	As Per Tender Taiwan

*(Khatrun Shahzad)*  
Finance Department  
Government of Sindh  
Karachi.  
ABDUL HAKEEM ABDESAR  
SINDH GOVERNMENT HOSPITAL

*(Abdul Ghani Abbas)*  
Mukhtarkar Model Colony  
Deputy Commissioner  
Karachi, East.

*(Dr. Wali Muhammad)*  
Surveillance Officer  
W.H.O  
Karachi.

*(Dr. Akhtar Ahmed Shaikh)*  
RMO General  
Sindh Govt. Hospital  
Saudabad, Karachi.

*(Dr. Malka Khalid Jaffri)*  
Add. Medical Superintendent &  
Drawing & Disbursing Officer  
Sindh Government Hospital



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SINDH GOVERNMENT HOSPITAL  
SAUDABAD, KARACHI.

02134504020


TECHNICAL SPECIFICATION OF MACHINERY & EQUIPMENTS THROUGH ADP(407), 2013-14


Item #	DESCRIPTION	BIOS	Standard Suppliers	Noor International	QFR Enterprises	Sherazi Trading
12	<b>ANESTHESIA MACHINE WITH VENTILATOR</b>					
	<b>Make:</b>	OES/Taiwan	Penton	Medtec	Oricare	GE
	<b>Model:</b>	Astra 3 + Carina	SP-2/AVS	Medtec Neptune	A9600	CS30
	<b>Features:</b>					
	Adult Pediatric and neonatal Modes	Yes	Yes	Yes	Yes	
	Top shelf maximum top shelf loading: up to 35kg	Yes	Not Mentioned	Not Mentioned	Not Mentioned	No
	Should Have Three drawer unit	Yes	Yes	2 Drawer	Yes	2 Drawer
	Autoclave able CO2 absorber	Yes	Yes	No	No	No
	Three gas machine with a two station selectatec® backbar with up to four cylinder yokes	Yes	Yes	No. Up to Two Cylinder Yokes	Not Mentioned	No, Up to Two Cylinder Yokes
	The Oxygen flush is mounted next to the common gas outlet and is recessed for safety	Yes	Yes	Yes	Yes	Not Mentioned
	<b>Vertical Tee Slot mounting System (GCX™)</b>					
	Tee Slot mounting system is mounted on both sides of the machine	Yes	Yes	Yes	No	No
	Height adjustment 22.5 cm to 127.5cm	Yes	Yes	Yes	No	No
	Maximum loading 30 kg	Yes	Not Mentioned	Not Mentioned	No	No
	<b>Pneumatic Specification</b>					
	Common gas outlet ISO 22 mm male taper and 15mm female with 90° swivel	Yes	Yes	Not Mentioned	Yes	Yes
	Pipe line input DISS	Yes	Not Mentioned	Yes	Yes	Yes
	Cylinder Yokes : up to Four	Yes	Yes	Up to Two	No	Up to Two
	Oxygen Failure device: Nitrous Cuts out with low oxygen pressure (Air/Oxygen remain)	Yes	Yes	Yes	Yes	Yes
	Oxygen failure alarm Nitrous Whistle sounds prior to nitrous cut out.	Yes	Yes	Yes	Yes	Yes
	Oxygen and Air High pressure DISS outlet two maximum available	Yes	Not Mentioned	Yes	Yes	Yes
	<b>Flow meter Specification</b>					
	On/ Off switch mounted blow flow meter bank shrouded	Yes	Yes	Yes	Yes	Yes
	Secondary regulator for flow meter bank	Yes	No	No	No	No
	Mechanical anti hypoxic device	Yes	Yes	Yes	Yes	Yes
	Gear driver with minimum	Yes	Yes	Yes	Yes	Yes
	25% Oxygen Concentration	Yes	Yes	Yes	Yes	Yes
	Oxygen Flow Range (Dual Tube)	Yes	Yes	Yes	Yes	Yes
	0-1000ml and 1- 10 liters	Yes	Yes	Yes	Yes	Yes
	Nitrous oxide flow range (dual tube)	Yes	Yes	Yes	Yes	Yes
	0-1000ml and 1-10 Liters	Yes	Yes	Yes	Yes	Yes
	<b>Absorber Specification</b>					
	Quick release manometer :20 to 100 cm H2O	Yes	Yes	Yes	Yes	Not Mentioned
	Ventilator Connection 22mm male taper with 15mm female taper	Yes	Yes	Yes	Yes	Not Mentioned
	Swivel / Bag mount Arm 22 mm male taper : with 15mm female taper	Yes	Yes	Yes	Yes	Not Mentioned

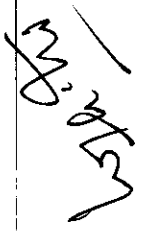
Asif Iqbal QADRI  
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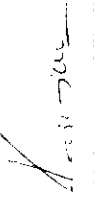



<b>12</b>	Patient connection 22 mm male taper :with 15mm female taper	Yes	Yes	Yes	Yes
	Fresh gas inlet 1 meter hose with : with 22mm female taper	Yes	Yes	Yes	Yes
	Exhaust taper 30mm male	Yes	Yes	Yes	Yes
	<b>Anesthesia Ventilator</b>				
	Adult, pediatric, neonates	Yes	Yes	Yes	Yes
	Ventilator is an electronic time cycled ventilator with integrated patient alarms for improved patient safety	Yes	Yes	Yes	Yes
	Adjustable inspiratory time, expiratory time and flow rate.	Yes	Yes	Yes	Yes
	Adjustable low and high pressure alarms	Yes	Yes	Yes	Yes
	Inspiratory time	0.25 - 3.0 seconds	Yes	Yes	Yes
	Expiratory time	0.5 - 6.0 seconds	Yes	Yes	Yes
	Flow Rate	0.1 - 1.0 litres per second	Yes	Yes	Yes
	Adjustable Pressure Relief	20 - 80 cm H2O	Yes	Yes	Yes
	I:E Ratio	derived from inspiratory and expiratory time minimum 1:1 ratio	Yes	Yes	Yes
	Tidal Volume	25ml - 1600ml Adult Bellows 25ml - 300ml Paediatric Bellows	Yes	Yes	No, 50-500ml
	Driving Gas	Oxygen	Yes	Yes	Yes
	Supply Pressure	45 - 100 PSI (310 - 700 KPA)	Yes	Yes	Yes
	Airway Pressure Gauge	20 - 100cm H2O Range	Yes	Yes	Yes
	Adjustable Low Pressure Alarm	0 - 30cm H2O	Yes	Yes	Yes
	Adjustable High Pressure Alarm	10 - 70cm H2O	Yes	Yes	Yes
	Mute Button	with 15 second delay and LED	Yes	No	Yes
	Patient Audible and Visual Alarms	For disconnect / low airway pressure, high airway pressure, high continuous pressure and sub ambient pressure	Yes	Yes	Yes
	Additional Ventilator Alarms	For mains failure, low battery and low drive gas pressure	Yes	Yes	Yes
	External Power Supply	90 - 264 volts A.C.	Yes	Not Mentioned	Yes
	Battery Backup	12 hours minimum	Yes	30 minutes	11 hours
<b>Complete with all standard Accessories.</b>					
Two years full warranty required.					
Country of Origin: USA/UK/EU					

  
 (Muhammad Shabbaz)  
 Finance Department  
 Government of Sindh  
 Karachi.

  
 (Abdul Ghaffar Abbasi)  
 Mukhtarwar Model Colony  
 Deputy Commissioner  
 Karachi, East.

  
 (Dr. Wadi Mahammad)  
 Surveillance Officer  
 W.H.O  
 Karachi.

  
 (Dr. Akhtar Ahmed Shaikh)  
 RMO General  
 Sindh Govt. Hospital  
 Sandabad, Karachi.

  
 (Dr. Maha Khalid Jaffri)  
 Add. Medical Superintendent &  
 Drawing & Disbursing Officer  
 Sindh Government Hospital

As Per Tender As Per Tender As Per Tender As Per Tender As Per Tender

UK UK Belgium USA USA



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SINDH GOVERNMENT HOSPITAL  
SAUDABAD, KARACHI.

02134504020

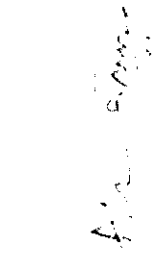
TECHNICAL SPECIFICATION OF MACHINERY & EQUIPMENTS THROUGH ADP(407), 2013-14


Item #	DESCRIPTION	FAS Traders	Phone Tel (Pvt.) Ltd
13	<b>TELEPHONE EXCHANGE(PABX) 200 LINES WITH INSTALLATION</b>		
	<b>Make:</b>	Not mentioned	Samsung
	<b>Model:</b>	Not mentioned	Office Serv-7070
	08 Analogue Trunks (Expandable upto 50)	Not mentioned	Yes
	08 Hybrid Extensions (Digital / IP) (Expandable upto 20)	Not mentioned	Yes
	200 Analogue Extensions (Expandable upto 950)	Not mentioned	Yes
	Abbreviated Dialing Memory: 2,000(with Name & Tel. No)	Not mentioned	Yes
	Branch Concept (PBX Compatibility)	Not mentioned	Yes
	Communication Path: 100% (Non Blocking)	Not mentioned	Yes
	CLI (Internal External and Transfer on analogue sets)	Not mentioned	Yes
	Fax Machine Transfer (On both sides)	Not mentioned	Yes
	Direct Inward Dialing (DID)	Not mentioned	Yes
	Direct Inward Line (DIL)	Not mentioned	Yes
	Direct Inward System Access (DISA)	Not mentioned	Yes
	Uniform Call Distributin (UCD)	Not mentioned	Yes
	Computer Telephone Interfaced(C TI)	Not mentioned	Yes
	Forced Trunk Disconnecting	Not mentioned	Yes
	ARS, F-Route, LCR	Not mentioned	Yes
	Conference (50 Circuits, 25x2)	Not mentioned	Yes
	SMDR	Not mentioned	Yes
	RS-232	Not mentioned	Yes
	10/100 Ethernet Post	Not mentioned	Yes
	USB	Not mentioned	Yes


*Asifullah QADRI*

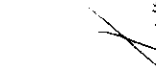
*Asifullah QADRI*


13	System should be capable to integrate with any PABX/IP-PBX	Not mentioned	Yes
	System should be capable for Video Conferencing	Not mentioned	Yes
	Provision of Remote Maintenance (WEB/Modem/Keyset)	Not mentioned	Yes
	Support ISDN PRI	Not mentioned	Yes
	Origin: Malaysia / Taiwan/China/Korea/Europe.	Malaysia / China	Korea


  
**(Khurram Shahzad)**  
 Finance Department  
 Government of Sindh  
 Karachi.


  
**(Abdul Ghaffar Abbasi)**  
 Mukhtarkar Model Colony  
 Deputy Commissioner  
 Karachi, East.


  
**(Dr. Wali Muhammad)**  
 Surveillance Officer  
 W.H.O  
 Karachi.


  
**(Dr. Akhtiar Ahmed Shaikh)**  
 RMO General  
 Sindh Govt. Hospital  
 Saudabad, Karachi.


  
**(Dr. Mukka Khalid Jaffri)**  
 Add. Medical Superintendent &  
 Drawing & Disbursing Officer  
 Sindh Government Hospital

**ABDUL HAFEEZ MAHESAR**  
 Deputy Secretary (S&E-IV)



02134504020

OFFICE OF THE  
MEDICAL SUPERINTENDENT  
SINDH GOVERNMENT HOSPITAL  
SAUDABAD, KARACHI.

TECHNICAL SPECIFICATION OF MACHINERY & EQUIPMENTS THROUGH ADP(407), 2013-14

Item #	DESCRIPTION	BIOS	Medequips	Sherazi Trading	Zam Traders
14	<b>ULTRASOUND MACHINE WITH TROLLEY, PRINTER, UPS WITH WARRANTY.</b>				
	<b>Make:</b>	Sonoscap	Mindray	GE	Sonomed
	<b>Model:</b>	A6	Dp-20	Logic C2	A8V
	Should Be FDA & CE Approved	Yes	No, Only CE	No, Only CE	Yes
	Full digital HCU B/W system,	Yes	Yes	Yes	Yes
	Unique user-friendly design	Yes	Yes	Yes	Yes
	Two active transducer connectors. At the same time,	Yes	Yes	Yes	Yes
	Should provide wide range of patient data solutions.	Yes	Yes	Yes	Yes
	View of practical and stable capabilities,	Yes	Yes	Yes	Yes
	Support all application usage, which could satisfy various daily diagnoses, such as abdominal,	Yes	Yes	Yes	Yes
	Position adjustable 12" LCD monitor	Yes	Yes	Yes	Yes
	Convertible trolley design	Yes	No	Yes	Yes
	Application fields: General practice, OB/GYN, Vascular, Urology, Anesthesia, Emergency, ICU, Physiotherapy, MSK, Pediatric, etc.	Yes	Yes	Yes	Yes
	THI technology with Five Variable Frequency	Yes	Yes	Yes	Yes
	Intuitive operation with M-Tuning one-key image optimization	Yes	Yes	Yes	Yes
	Clip-board function for quick patient image capture and review	Yes	Yes	Yes	Yes
	Full patient database solutions: DVD, USB storage, PDF report, AVI/JPEG, DICOM3.0, etc.	Yes	Yes	Yes	Yes
	Built-in high capacity Li-ion battery	Yes	No	No	Yes
	Complete With 2 Probes (1 Convex + 1 Endo-Cavity Probe)	Yes	Yes	Yes	Yes
	2 KVA Online UPS / Trolley.	Yes	Yes	Yes	Yes
	B/W Thermal Printer	Yes	Yes	Yes	Yes
	<b>Should be CE &amp; FDA</b>	<b>FDA, CE</b>	<b>FDA, CE</b>	<b>Only CE</b>	<b>FDA, CE</b>

*Handwritten signatures and initials*

Asifullah QADRI.

14	Two years full warranty required.	AS Per Tender	AS Per Tender	AS Per Tender	AS Per Tender	AS Per Tender
	Country of Origin: USA / UK / EU.	China	China	China	China	Italy

*Handwritten signature*

(*Khurram Shahzad*)  
 Finance Department  
 Government of Sindh  
 Karachi.  
 ADDUL HAFEEZ HANIESAR  
 Supply Secretary (P&M)

*Handwritten signature*

(*Abdul Ghaffar Abbasi*)  
 Mukhtarkar Model Colony  
 Deputy Commissioner  
 Karachi, East.

*Handwritten signature*

(*Dr. Wali Muhammad*)  
 Surveillance Officer  
 W.H.O  
 Karachi.

*Handwritten signature*

(*Dr. Akhtiar Ahmed Shaikh*)  
 RMO General  
 Sindh Govt. Hospital  
 Saudabad, Karachi.

*Handwritten signature*

(*Dr. Madina Khatalid Jaffri*)  
 Add. Medical Superintendent &  
 Drawing & Disbursing Officer  
 Sindh Government Hospital



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MEDICAL SUPERINTENDENT  
SINDH GOVERNMENT HOSPITAL  
SAUDABAD, KARACHI.

02134504020

TECHNICAL SPECIFICATION OF MACHINERY & EQUIPMENTS THROUGH ADP(407), 2013-14

Item #	DESCRIPTION	FAS Traders
15	WHEEL CHAIR Made of Steel with rag/zen cushion 2 large wheels & 2 Small wheels with steel footstep. Origin : China/ Pakistan	Yes China

*M. Saeed*

(~~Khurram Shahzad~~)  
Finance Department  
Government of Sindh  
Karachi.

ABDUL HAFEEZ MAHESAR  
Secretary (Supply & S&M)

*Saeed*

(Abdul Ghaffar Abbasi)  
Mukhtarkar Model Colony  
Deputy Commissioner  
Karachi, East.

*Wahid*

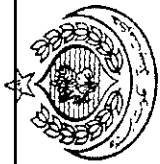
(Dr. Wali Mahammad)  
Surveillance Officer  
W.H.O  
Karachi.

*Yasir*

(Dr. Akhtiar Ahmed Shaikh)  
RMO General  
Sindh Govt. Hospital  
Saudabad, Karachi.

*S.M. Jaffri*

(Dr. Maffia Khalid Jaffri)  
Add. Medical Superintendent &  
Drawing & Disbursing Officer  
Sindh Government Hospital  
Saudabad, Karachi.



02134504020

OFFICE OF THE  
MEDICAL SUPERINTENDENT  
SINDH GOVERNMENT HOSPITAL  
SAUDABAD, KARACHI.

**TECHNICAL SPECIFICATION OF MACHINERY & EQUIPMENTS THROUGH ADP(407), 2013-14**

Item #	DESCRIPTION	BIOS	Universal Enterprises	Standard Suppliers	QFR Enterprises	Sherazi Trading
16	<b>ECG MACHINE</b>					
	<b>Make:</b>	BTL	Newtech	Aspel	Gima	GE
	<b>Model:</b>	BTL-08 SD-6	Neucardio E6	Ascard Mrgrey V.20	CM600	MAC 600
	6-channel LCD display	Yes	Yes	Yes	Yes	Not Mentioned
	58 mm printouts	Yes	Yes	Yes	Yes	Yes
	Battery & mains powered	Yes	Yes	Yes	Yes	Yes
	Auto-adaptive filters for outstanding signal quality	Yes	No	No	No	No
	Loose leads indicator	Yes	No	No	No	Yes
	Auto, manual and user-defined profiles	Yes	No	Yes	No	No
	Alpha-numeric keyboard	Yes	Yes	Yes	Yes	Yes
	Pacemaker detection	Yes	No	No	No	No
	Technical Specification					
	Display: Graphic display	Yes	Yes	Yes	Yes	Yes
	Screen Resolution	Yes	Yes	Yes	Yes	Yes
	Keyboard	Yes	Yes	Yes	Yes	Yes
	Electro connect control	Yes	Yes	Yes	Yes	Yes
	Interference	Yes	Yes	Yes	Yes	Yes
	<b>Printer:</b>					
	Paper width (mm)	58	Yes	Yes	Yes	Yes
	Paper type	Roll	Yes	Yes	Yes	Yes
	Paper speed (mm/s)	5, 10, 25, 50	Yes	Yes	Yes	Yes
	<b>Signal Processing</b>					
	Number of channels	6	Yes	Yes	Yes	Not Mentioned
	Number of leads	12	Yes	Yes	Yes	Yes
	Displayed leads	1	Yes	Yes	Yes	Yes

*Asifullah QADRI*  
*Asifullah Qadri*

16

Printed leads	1/1, 3	Yes	Yes	Yes	Yes
Transmission in automatic mode	Real-time, synchronous	Yes	Yes	Yes	Yes
Pacemaker detection	Yes	Yes	Yes	No	No
Sensitivity (mm/mV)	2.5, 5, 10, 20	Yes	Yes	Yes	Yes
Stored records (10-sec long strips)	6	Yes	Yes	Yes	Yes
Long ECG recording 1 lead / 2 leads (min)	9/10	Yes	Yes	Yes	Yes
<b>Digital Filters</b>					
Adaptable mains filter (Hz)	50-60	Yes	Yes	Yes	Yes
Muscle tremor filters (Hz)	35, 25	Yes	Yes	Yes	Yes
Baseline Filter (Hz) Automatic	0.05 (3.2 s), 0.11 (1.5 s), 0.25 (0.6 s), 0.50 (0.3 s), s) 1.50 (0.1 s)	Yes	yes	Yes	Yes
<b>Possible Connections &amp; upgrades</b>					
Connection to PC software		Yes	Not Mentioned	Not Mentioned	Yes
Connection to vacuum electrode system		Yes	No	Not Mentioned	Not Mentioned
Diagnostics upgrade		Yes	No	Not Mentioned	Not Mentioned
Complete with All standard Accessories.		Yes	Yes	Yes	yes
Two years full warranty required.		As Per Tender	As Per Tender	As Per tender	As Per tender
Country of Origin	USA/UK/EU	UK	USA/China	Poland	Italy

*Abdul Wahid*

(*Khurram Shahzad*)

Finance Department  
Government of Sindh  
Karachi.

(*Abdul Ghafar Abbasi*)

Mukhtarkar Model Colony  
Deputy Commissioner  
Karachi, East.

*Wahid*

(*Dr. Wali Muhammad*)

Surveillance Officer  
W.H.O  
Karachi.

*Amir*

(*Dr. Akhtiar Ahmed Shaikh*)

RMO General  
Sindh Govt. Hospital  
Sandabad, Karachi.

*Dr. Malik Khalid Jaffri*

(*Dr. Malik Khalid Jaffri*)

Add. Medical Superintendent &  
Drawing & Disbursing Officer  
Sindh Government Hospital

ALDUL HAFEEZ MAHESAR  
D.O. / S.O. / J. (GEN. SV)





OFFICE OF THE  
MEDICAL SUPERINTENDENT  
SINDH GOVERNMENT HOSPITAL  
SAUDABAD, KARACHI.

02134504020

TECHNICAL SPECIFICATION OF MACHINERY & EQUIPMENTS THROUGH ADP(407), 2013-14

Item #	DESCRIPTION	FAS Traders
17	WALL AMOUNTING B.P APPARATUS	
	Wall mounting mercury B.P Apparatus	Yes
	Origin : Taiwan/China/Korea	China

*Amir Shah*  
**(Khurram Shahzad)**  
Finance Department  
Government of Sindh  
Karachi.

**ABDUL HAFEEZ MAHESAR**  
Deputy Secretary (EEB/VI)

*S*  
**(Abdul Ghami Abbasi)**  
Mulharkar Model Colony  
Deputy Commissioner  
Karachi, East.

*Vajid*  
**(Dr. Wali Muhammad)**  
Surveillance Officer  
W.H.O  
Karachi.

*A. Shaikh*  
**(Dr. Akhtiar Ahmed Shaikh)**  
RMO General  
Sindh Govt. Hospital  
Saudabad, Karachi.

*M. G. Jaffri*  
**(Dr. Malik Khalid Jaffri)**  
Add. Medical Superintendent &  
Drawing & Disbursing Officer  
Sindh Government Hospital

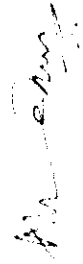





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SINDH GOVERNMENT HOSPITAL  
SAUDABAD, KARACHI.

02134504020

TECHNICAL SPECIFICATION OF MACHINERY & EQUIPMENTS THROUGH ADP(407), 2013-14

Item #	DESCRIPTION	FAS Traders
18	MERCURY B.P APPARATUS Mercury B.P Apparatus Origin: Taiwan/China/Korea	Yes China

(Khurram Shahzad) (Abdul Ghaffar Abbasi) (Wali Muhammad) (Dr. Akhtiar Ahmed Shaikh)  
 Finance Department Mukhtarkar Model Colony Surveillance Officer RMO General  
 Government of Sindh Deputy Commissioner Karachi, East. Karachi, W.H.O. Sindh Govt. Hospital  
 Karachi. Karachi, East. Karachi, Saudabad, Karachi.

ABDUL HAFEEZ NAFESAR  
 Deputy Secretary (A.E.T)



OFFICE OF THE  
MEDICAL SUPERINTENDENT  
SINDH GOVERNMENT HOSPITAL  
SAUDABAD, KARACHI.

02134504020

TECHNICAL SPECIFICATION OF MACHINERY & EQUIPMENTS THROUGH ADP(407), 2013-14

Item #	DESCRIPTION	FAS Traders
19	MOBILE B.P APPARATUS STEEL Mobile Mercury B.P Apparatus Origin: Taiwan/China/Korea	Yes China

*Asifullah Qadri*

(~~Khatirram Shatizal~~)  
Finance Department  
Government of Sindh  
Karachi.

(~~Abdul Ghaffar Abbasi~~)  
Mukhtarkar Model Colony  
Deputy Commissioner  
Karachi, East.

(~~Dr. Wali Muhammad~~)  
Surveillance Officer  
W.H.O  
Karachi.

(~~Dr. Akhtar Ahmet Shaikh~~)  
RMO General  
Sindh Govt. Hospital  
Saudabad, Karachi.

*Fazal Jaffri*  
(~~Dr. Matka Khalid Jaffri~~)  
Add. Medical Superintendent &  
Drawing & Disbursing Officer  
Sindh Government Hospital

ABDUL HAFEEZ MAHESAR  
Supv. Secretary (S&M)



02134504020

**TECHNICAL SPECIFICATION OF MACHINERY & EQUIPMENTS THROUGH ADP(407), 2013-14**

Item #	DESCRIPTION	BIOS	Universal Enterprises	Standard Suppliers
20	<b>MULTI PARA MONITOR-15 INCHES.</b>			
	<b>Make:</b>	General Meditec	Newtech	Osen
	<b>Model:</b>	G3L	Neuvision205	OSEN9000D
	Should be CE & FDA Approved	Yes	No, Only CE	No, Only CE
	Should Against & eliminate ECU interference & defibrillation no need to disconnect the monitor from the patient in process of defibrillating.	Yes	No	No
	Advance streamline outline design, portable, compact, operating menu with multi language interface	Yes	Yes	Yes
	Easy operation with user friendly menu structure design and rotary dial remote control ability for long distance operation	Yes	Yes	Yes
	Suitable for adults pediatrics and new neonates	Yes	Yes	Not Mentioned
	Three application mode : monitoring , diagnosis , operating	Yes	No	No
	Intelligent audio and visual comprehensive alarm	Yes	Yes	Yes
	15"Color TFT LCD screen with multi-channel waveform display.	Yes	Yes	Yes
	OXY Cardiorespirography	Yes	Yes	Yes
	<b>Technical Specification</b>			
	<b>EKG</b>			
	Input	Yes	Yes	Yes
	Lead Section	Yes	Yes	Yes
	Gain (mm/mv)	Yes	Yes	Yes
	Sweep Speed (mm/sec)	Yes	Yes	Yes
	Heart Rate Range	Yes	Yes	Yes
	Heart rate accuracy	Yes	Yes	Yes
	ST segment deviation analysis	Yes	Yes	No
	<b>NIBP</b>			
	Measurement Type			
	Measurement Range	Yes	Yes	Yes
		Yes	Yes	Yes
	Systolic : 4.0-37.0kPa			
	Diastolic: 1.3-33.0kPa			

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*Asifullah Qadri*

Accuracy	Mean : 2.0-35.0kPa +/- 0.4kPa or 5%	Yes	Yes	Yes
Resolution	0.1kPa	Yes	Yes	Yes
Tourniquet function		Yes	Yes	No
<b>Temperature ( Surface and rectal)</b>		Yes(Both)	Yes	Not Mentioned
Measurement range	25.0 -45.0°C	Yes	Yes	Yes
Accuracy	+/- 0.1°C	Yes	Yes	Yes
Resolution	0.1°C (I,II,III, Selectable impedance and nasal cavity)	Yes	Yes	Yes
Response time	≤ 3 min.	Yes	Yes	Yes
<b>Respiration Rate</b>				
Measurement range	0-120 bpm	Yes	Yes	Yes
Accuracy	+/- 1 bpm or 5%	Yes	Yes	Yes
Resolution	1 bpm	Yes	Yes	No
<b>Pulse Rate</b>				
SPO <sub>2</sub> measurement range	0-100%	Yes	Yes	Yes
Resolution	1%	Yes	Yes	Yes
Pulse measurement range	30-250 bpm	Yes	Yes	Yes
Accuracy	+/- 2%	Yes	Yes	Yes
Resolution	1bpm	Yes	Yes	Yes
<b>Should be CE &amp; FDA</b>		FDA & CE	Only CE	Only CE
<b>Complete with All standard Accessories</b>		Yes	Yes	Yes
<b>Two years full warranty required.</b>		As Per Tender	As Per Tender	As Per Tender

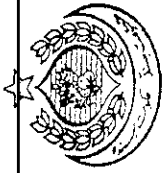
*Ali Raza*  
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 Finance Department  
 Government of Sindh  
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**ABDUL HAFEEZ MAHESAR**  
 Deputy Secretary (S&IV)

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*Wali*  
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OFFICE OF THE  
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SINDH GOVERNMENT HOSPITAL  
SAUDABAD, KARACHI.

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TECHNICAL SPECIFICATION OF MACHINERY & EQUIPMENTS THROUGH ADP(407), 2013-14

Item #	DESCRIPTION	FAS Traders
21	OXYGEN CYLINDER LARGE	
	240 Cubic meter Oxygen Cylinders (Large Size)	Yes
	Tested warranty certified	As Per Tender
	Origin: Malaysia / Taiwan/China/Korea.	

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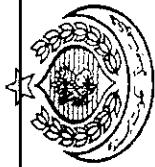
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ABDUL HAFEEZ QADRI  
Supply Control Officer



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TECHNICAL SPECIFICATION OF MACHINERY & EQUIPMENTS THROUGH ADP(407), 2013-14

Item #	DESCRIPTION	BIOS	Standard Suppliers
22	<b>FLOW METER</b>		
	<b>Make:</b>	Hersill	
	<b>Model:</b>	4540000	Penton
	The lightness, user friendliness, highly effective and accuracy.	Yes	Not mentioned
	Flow stays unaffected by any output restriction caused by humidifiers, nebulizers or any other accessories.	Yes	No
	Available equipped with BS, NF, DIN and SS probes.	Yes	Yes
	Materials: Chromium-plated brass body, inner and external tube in polycarbonate, stainless steel ball.	Yes	No
	Other pieces in brass, polyamide and NBR	Yes	No
	Latex free.	Yes	Yes
	Virtually maintenance free.	Yes	Yes
	<b>Specifications:</b>		
	Liters per minute	Yes	Yes
	Range	Yes	Not mentioned
	Input pressure	Yes	Not mentioned
	Input thread	Yes	Not mentioned
	Output thread	Yes	Not mentioned
	<b>Country of origin: USA/UK/EU</b>	Spain	UK

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TECHNICAL SPECIFICATION OF MACHINERY & EQUIPMENTS THROUGH ADP(407), 2013-14

Item #	DESCRIPTION	FAS Traders
23	NEBULIZER Complete with kit + two masks and warranty. Origin : Malaysia / Taiwan/Europe	Yes China

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*Dr. Akhtiar Ahmed Shaikh*

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TECHNICAL SPECIFICATION OF MACHINERY & EQUIPMENTS THROUGH ADP(407), 2013-14

Item #	DESCRIPTION	FAS Traders
24	DUST BIN STEEL WITH LID (LARGE) Stainless steel with paddle and lid inside plastic bucket. Origin: Pakistan/China	Yes Pakistan

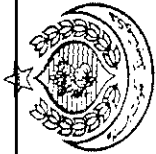
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*(Signature)*  
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TECHNICAL SPECIFICATION OF MACHINERY & EQUIPMENTS THROUGH ADP(407), 2013-14

Item #	DESCRIPTION	FAS Traders
25	<b>SOLID WASTE DRUM</b> 240 L, Solid garbage drum. <b>Specification:</b> Light and highly flexible, good appearance, benefit to the environment protection, made of high quality material durable in use, Equipped with two rear wheels for loading able to go upstairs or stone ladder at road side. Barrel body, soled durable with smooth surfaces. <b>Origin : Pakistan/China</b>	Yes Yes Yes Pakistan

*(Signature)*

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Deputy Secretary (S&E)

*(Signature)*

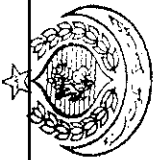
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TECHNICAL SPECIFICATION OF MACHINERY & EQUIPMENTS THROUGH ADP(407), 2013-14

Item #	DESCRIPTION	FAS Traders
26	<u>FLOOR POLISHER 1200 WATT</u> Multi-Functional hand adjustment, use full for washing floor and carpets, brushing and polishing with long wire cable. Origin: Malaysia / Taiwan/Korea/Europe.	Malaysia

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Sr. Sr. Secretary (Finance)

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