National Institute of Cardiovascular Diseases, Karachi

Financial Bid Evaluation Report

1. Name of Procurement Agency: National Institute of Cardiovascular Diseases - Karachi
2. Tender Reference No.: 57/2018
3. Tender Description/Name of Work/Items: Supply & Installation of Centralized Vacuum System
4. Method of Procurement: Two Envelope Procedure of SPPRA-2010 46(2,a)
6. Total Bid Documents Sold: 09
7. Total Bid Received: 06
8. Technical Bid Opening Date: 13th May 2019
9. No. of Bid Technically Qualified: 02
10. Bid(s) Unqualified as per Technical Evaluation Marks: 04
11. Bid(s) Unqualified as per End User Recommendation: 04
12. Financial Bid Opening Date: 05th August 2019
13. Financial Bid Evaluation Report:

<table>
<thead>
<tr>
<th>Sr.#</th>
<th>Name of Firm/Bidder</th>
<th>Cost Offered by the Bidder (FOR) PKR</th>
<th>Cost Offered by the Bidder (C&amp;F) EBRO</th>
<th>Ranking in Term of Cost</th>
<th>Estimated Cost (Rs.)</th>
<th>Cost Variance (Rs.)</th>
<th>Reason for Acceptance/Rejection</th>
<th>Recommended for award of Work</th>
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<tbody>
<tr>
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<td>M/s. Total Technologies Pvt Ltd</td>
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</table>

Note: Comparative statement (Financial) attached with comments of end user.

Coordinator

Ms. Shazia Memon
Duty Director
Social Welfare Dept
(Member)

Committee

Ms. Azra Maqsood
Chief Operating Officer
(Chairperson)

End user/Head of relevant Dept.

Approved by:

Executive Director
## FINANCIAL STATEMENT

**TENDER NO:** 57/26  
**DATED:** 13-05-2019 FOR THE YEAR 2018-20  
**Supply & Installation of Centralized vacuum system**

### Sr.# | Tender Description | M/S. PAKISTAN OXYGEN | Recommendation
--- | --- | --- | ---
1 | **MEDICAL VACUUM CENTRAL STATION**  
Vaccum central station consists of three vacuum pumps. The vacuum system is designed to operate according to ISO 7396-1 BS HTM 02-01 standards.  
The vacuum center is consist of two or three blade type rotary vacuum pumps, with inlet filter, air cooling, internal oil circulation, oil mist eliminator for oil-free exhaust air.  
Suction capacity of 244 m³/hr (4067 l/min) each pump.  
3 x Vacuum Pump (244m³/h, 7.8kw@50Hz) (4067 l/min) Each Pump  
1 x Alarm Panel with Ethernet – 6 Gases  
1 x Vacuum Pump Electrical Control panel 3 x (5.5 – 7.8KW)  
2 x Vac Vessel 2000lt(-1): (11 bar) Galvanized In-out/Vertical  
2 x Antibacterial Filter 360m³/h  
1 x Metal Construction base for 3 pumps  
1 x Vacuum sensors Transducer 0-1 bar 4-20ma  
1 x Electrical control unit  
The Vacuum control panel is a fully electronic Automatic, controller and monitoring device of a complete vacuum plant.  
Vacuum control panel is built on the latest technology of microcontrollers and provides superior reliability, functionality and flexibility.  
Vacuum Gauges: 0 – 700mmHg  
Non Return Valves.  
Antibacterial Filters: 99.99% efficient according BS 3928, with differential pressure indicator and sterilizable drain flask.  
Country of origin: Europe, USA, Japan.  
Qty : 1 Set | **MEDICAL VACUUM CENTRAL STATION**  
MFG : G. SAMARAS (Greece – Europe)  
A Vacuum Central Station consists of three vacuum pumps. The vacuum system is designed to operate according to ISO 7396-1 BS HTM 2022, BS HTM 03-01 Standards.  
The vacuum consists of three blade type Rotary Vacuum Pumps, with inlet Filter, Air Cooling, Internal Oil Circulation, Oil Mist Eliminator for Oil-free Exhaust Air.  
Suction capacity of 244 m³/hr (4067 l/min) each pump.  
3 x Vacuum Pump U4 250 SA/K (244m³/h Each pump, 7.8kw @50Hz) (4067 l/min Each Pump)  
1 x Alarm Panel with Ethernet – Upto 6 Gases (LG) MGSAPL6  
1 x Vacuum Pump Electrical control panel 3 x (5.5-7.8KW)  
(Complete Plant with all accessories, including installation, testing, commissioning & training.)  
2 x Electrical control unit MGSMU VAC (LG)  
2 x Vac Vessel 2000lt(-1): (11bar) Galvanized In-Out/Vertical  
2 x Antibacterial Filter 360m³/h  
1 x Metal Construction – Base for 3 Pumps  
1 x Transducer 0-1bar 4-20ma p1A-30G-1-B-03-C-D (M12/4p)  
The Vacuum control panel is a fully electronic Automatic, Controller and monitoring device of a complete vacuum plant. The vacuum control panel built on the latest technology of microcontroller and provies superior reliability functionality and flexibility.  
Vacuum Gauges : 0-760 mmHg  
Non – Return Valves.  
Antibacterial Filters 99.999% efficient according BS 3928, with differential peressure indicator and sterilizable drain flask. Sectioning Valves, Distant Alaram.  
FOR AMOUNT IN PKR – 15,00,000.00  
C&F RATE IN EURO – 96,000.00 |  

### COORDINATORS

| Khurram Hassan Khan | Ms. Azra Maqbool  
Head of Procurement Department | Chief Operating Officer (Chairperson) |

| End User / Head of Relevant Department | Dr. Amin Khwaja  
(Member) |

| Qadeer Muhammad Khan | Ms. Shazia Memon  
Head of Accounts Department | Deputy Director  
Social Welfare Dept. (Sindh) (Member) |

Approved By:  
Executive Director
### MEDICAL VACUUM CENTRAL STATION

- **Vacuum central station consists of three vacuum pumps.** The vacuum system is designed to operate according to ISO 7396-1, BS HTM 02-01 standards.
- The vacuum center is consist of two or three blade type rotary vacuum pumps, with inlet filter, air cooling, internal oil circulation, oil mist eliminator for oil-free exhaust air. Suction capacity of 244 m³/hr (4057 l/min) each pump.
- 3 x Vacuum Pump (244m³/hr, 7.88kW) (4057 l/min) Each Pump.
- 1 x Alarm Panel with Ethernet – 6 Gases
- 1 x Vacuum Pump Electrical Control panel 3 x (5.5 – 7.5KW)
- 2 x Vac Vessel 2000L/1”; (11 bar) Galvanized In-out/Vertical
- 2 x Antibacterial Filter 360m³/h
- 1 x Metal Construction base for 3 pumps
- 1 x Vacuum sensors Transducer 0-1 bar 4-20ma
- 1 x Electrical control unit.

- The Vacuum control panel is a fully electronic Automatic, controller and monitoring device of a complete vacuum plant. Vacuum control panel is built on the latest technology of microcontrollers and provides superior reliability, functionality and flexibility.
- Vacuum Gauges: 0 – 760mmHg
- Non Return Valves.
- Antibacterial Filters: 99.99% efficient according BS 3928, with differential pressure indicator and sterilizable drain flask.
- **Country of origin:** Europe, USA, Japan.
- **Qty:** 1 Set

### Recommendation

- **MEDICAL VACUUM CENTRAL STATION**
- **Model:** US 300
- **Make:** Becker for Medgas
- **Country of Origin:** Germany

- Vacuum central station consists of three vacuum pumps. The vacuum system is designed to operate according to ISO 7396-1, BS HTM 02-01 standards.
- The vacuum center is consist of two or three blade type rotary vacuum pumps, with inlet filter, air cooling, internal oil circulation, oil mist eliminator for oil-free exhaust air. Suction capacity of 300 m³/hr (5000 l/min) each pump.
- 3 x Vacuum Pump (300m³/hr, 5.5KW) (5000 l/min) Each Pump.
- 1 x Alarm Panel with Ethernet.
- 1 x Vacuum Pump Electrical Control panel 3 x (5.5 – 7.5KW)
- 2 x Tank 2000 Lit with accessories, Galvanized for medical applications/vertical. Filter system (2 Anti bacterial Filters with secretion Jar + Valves + Wall brackets for wall installation).

- 1 x Metal Construction base for 3 pumps
- 1 x Vacuum sensors Transducer 0-1 bar 4-20ma
- 1 x Electrical control unit.

- **Medical basis control panel with digital Pressure controller.** The Vacuum control panel is a fully electronic Automatic, controller and monitoring device of a complete vacuum plant. Vacuum control panel is built on the latest technology of microcontrollers and provides superior reliability, functionality and flexibility.
- Vacuum Gauges: 0 – 760mmHg
- Non Return Valves.
- Antibacterial Filters: 99.99% efficient according BS 3928, with differential pressure indicator and sterilizable drain flask.

- **Qty:** 1 Set

**Total Amount FOR (PKR):** 7,350,000.00

**Total Amount C&F (EURO):** 38,700.00

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### COORDINATORS

- **Khuuram Hassan Khan**
  Head of Procurement Department

- **Qadeer Muhammad Khan**
  Head of Accounts Department

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### COMMITTEE

- **Ms. Azra Maqsood**
  Chief Operating Officer (Chairperson)

- **Dr. Amin Khwaja**
  (Member)

- **Ms. Shazia Memon**
  Deputy Director (Social Welfare Dept. Sindh) (Member)

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**Approved By:**

- **Executive Director**
<table>
<thead>
<tr>
<th>Sr.#</th>
<th>Tender Description</th>
<th>3 - M/S. BIO MEDICAL TECHNOLOGIES</th>
<th>Recommendation</th>
</tr>
</thead>
</table>
| 1    | MEDICAL VACUUM CENTRAL STATION | HTM2022 Medical Vacuum Plant  
Model : V2022 DBBA  
Pump Capacity : 250m3/HR  
Duty Pump Capacity : 500m3/HR (2 x 250m3/hr)  
Pump Capacity at 450mmHg : 1625 l/m  
Plant Output at 450mmHg (With one pump stationary) : 3250 l/m  
Plant Configuration : Module  
No. of Vessels : 2  
Total Vessel Capacity : 3250 Ltrs  
No. of Pumps : 3  
Motor Rating : 5.5 Kw  
Duty Kw : 5.5 Kw  
Starter Type : D.O.L  
FLC per Pump : 24.1 Amps  
Max Current (duty running/ standby starting) : 126.9 Amps  
Noise Rating per pump at 1m : 72dBA  
Supply Voltage per Pump : 380 / 415v, 3Ph, 50Hz, TPNE  
County of Origin : UK  
Remaining detail as per attached Broucher | Technically Disqualified |

**COORDINATORS**
Khurram Hassan Khan  
Head of Procurement Department
End User / Head of Relevant Department
Qadeer Muhammad Khan  
Head of Accounts Department

**COMMITTEE**
Ms. Azra Marsood  
Chief Operating Officer (Chairperson)
Dr. Amin Khwaja  
(Member)
Ms. Shazia Memon  
Deputy Director Social Welfare Dept. Sindh (Member)

Approved By: Executive Director
<table>
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<th>Sr.#</th>
<th>Tender Description</th>
<th>4 - M/S. STANDARD SUPPLIERS</th>
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<td>Supply &amp; Installation of Centralized Vacuum System - 01No</td>
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<tr>
<td></td>
<td>Vacuum central station consists of three vacuum pumps. The vacuum system is designed to operate according to ISO 7396-1, BS HTM 02-01 standards. The vacuum center is consist of two or three blade type rotary vacuum pumps, with inlet filter, air cooling, internal oil circulation, oil mist eliminator for oil-free exhaust air. Suction capacity of 644 m3/hr (4067 l/min) each pump. 3 x Vacuum Pump (244m3/hr, 7.8kW, 1140V, 50Hz) (4067 l/min) Each Pump.</td>
<td>Tripex Vacuum Plant (Three Phase – 50Hz) Model : CV494DT Fully complaint with the requirements of HTM 2022 and C11. Tripex rotary vane vacuum pump, duplex bacterial filtration system and horizontal receivers to suit design flow. Plant capacity (Flow) rated at 100% with one pump stationary. 400 Volt, 3Phase, 50. 6001212 Medical Vacuum Plant, Tripex Pumps HTM2022 50Hz- fully complaint with the requirements of HTM 02-01. Tripex rotary vane vacuum pumps, duplex bacterial filtration system and horizontal receivers to suit design flow. Plant capacity (flow) rated at 100% with two pumps stationary. 400 Volt, 3 Phase, 50Hz. Nominal Motor Power per Pump (KW) : 11 Electrical Supply : 400 V – 50Hz Starting Method : SD Full Load Current Per Pump (A) : 21 Approx. Starting Current (A) : 74 Motor Rated Supply Per Pump (A) : 32 Pump Configuration : Tripex Duty Pumps : 2 Sound Pressure Level / Pump Db (A) : 77 Cooling Air Flow per Pump (m3/s) : 1.3 Pump Oil Capacity (Litres) : 12.0 Vacuum Vessel(s) to BS 5169:1992 : 2 Vessel Volume (Litres) : 3000 ; Vacuum Vessel Total Capacity (Litres) : 6000 Vessel Orientation : Vertical ; Layout Drawing : 6070001748d Delivery : Within 16 to 20 Weeks after receipt of your firm order MFG : PNEUMATECH MEDICAL GAS SOLUTIONS – UK</td>
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## Tender Description

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<td>MEDICAL VACUUM CENTRAL STATION</td>
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<td>Vacuum central station consists of three vacuum pumps. The vacuum system is designed to operate according to ISO 7396:1, BS HTM C2-01 standards. The vacuum center is consist of two or three blade type rotary vacuum pumps, with inlet filter, air cooling, internal oil circulation, oil mist eliminator for oil-free exhaust air. Suction capacity of 244 m³/hr (4057 ft³/min) each pump. 3 x Vacuum Pump (244m³/hr, 7.8kW) (4057 ft³/min) Each Pump. 1 x Alarm Panel with Ethernet – 6 Gases 1 x Vacuum Pump Electrical Control panel 3 x (5.5 – 7.8kW) 2 x Vac Vessels 2000L (11 bar) Galvanized In-out/Vertical 2 x Antibacterial Filter 350m³/h 1 x Metal Construction base for 3 pumps 1 x Vacuum sensors Transducer 0-1 bar 4-20mA 1 x Electrical control unit The Vacuum control panel is a fully electronic Automatic, controller and monitoring device of a complete vacuum plant. Vacuum control panel is built on the latest technology of microcontrollers and provides superior reliability, functionality and flexibility. Vacuum Gauges: 0 – 760mmHg Non Return Valves, Antibacterial Filters: 99.99% efficient according BS 3928, with differential pressure indicator and sterilizable drain flask. Country of origin: Europe, USA, Japan. Qty: 1 Set</td>
</tr>
</tbody>
</table>

| 2     | 5 - M/S. INTEC Engineers & Contractors |
|       | Brand: ELMO RIETSCHIE (Gardner Denver) Model: X-VPK 303-3VMedical Vacuum System |
|       | • 3 Oil Flooded rotary vane pumps VC 303 Motor data 5.5kW 400V 50Hz IE3 With mineral oil ISO VG100 Multi – Lube Each equipped with additional check valve, flexible connections, manual shut-off valve, oil thermostat, filters guage and rubber feet. • Mounted on vertical frame Carbon steel powder: coated RAL 9003 (signal white) • Operated by QVT-3 electrical control panel + pressure transmitter + emergency vacuum switch according to datasheet QVT E 04/15r1. Language : English (Front panel), English (Internal display) • 2 x SVD2000 Vertical vacuum tank 2000 liters Carbon steel galvanized Equipped with single by-pass valve, drainage valve and vacuum gauge 0…-1bar |
|       | MV 50-2 Double Bacterial Filters |
|       | • Two bacterial filters connected in by-pass mode • Multi layers cartridge protected from an external prefitering layer included • Differential pressure gauge and glass collector for each filter one alarm vacuum switch for low vacuum and one vacuum gauge 0…-1bar Delivery Time: 14-18 weeks after receipt of confirm order Warranty: 1 year standard 2 year expended warranty after delivery. |

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**COORDINATORS**

Khurram Hassan Khan  
Head of Procurement Department

Ms. Azra Maqsood  
Chief Operating Officer (Chairperson)

End User / Head of Relevant Department

Dr. Amin Khwaja  
(MembEd)

Qadeer Muhammad Khan  
Head of Accounts Department

Ms. Shazia Memon  
Duty Director (Social Welfare Dept. Sindh) (Member)

Approved By:  
Executive Director

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**Medical Vacuum Central Station**

Vacuum central station consists of three vacuum pumps. The vacuum system is designed to operate according to ISO 7396-1, BS HTM 02-01 standards.

The vacuum center is consist of two or three blade type rotary vacuum pumps, with inlet filter, air cooling, internal oil circulation, oil mist eliminator for oil-free exhaust air. Suction capacity of 244 m³/hr (4067 l/min) each pump.

- 3 x Vacuum Pump (244m³/hr, 7.8W@50Hz) (4067 l/min) Each Pump.
  - 1 x Alarm Panel with Ethernet - 6 Gases
  - 1 x Vacuum Pump Electrical Control panel
  - 2 x Galvanized In-out Vertical
  - 2 x Antibacterial Filter 360m²/³
  - 1 x Stainless Steel Construction base for 3 pumps
  - 1 x Transducer 0-1 bar 4-20ma
  - 1 x Electrical control unit

The Vacuum control panel is a fully electronic Automatic, controller and monitoring device of a complete vacuum plant. Vacuum control panel is built on the latest technology of microcontrollers and provides superior reliability, functionality and flexibility.

- Vacuum Gauges: 0 – 760mmHg
- Non Return Valves.
- Antibacterial Filters: 99.9% efficient according BS 3928, with differential pressure indicator and sterilizable drain flask.
- Country of origin: Europe, USA, Japan.
- Qty: 1 Set

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<td>MEDICAL VACUUM CENTRAL STATION</td>
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**COordinators**

- **Khurram Hassan Khan**
  Head of Procurement Department

- **Qadeer Muhammad Khan**
  Head of Accounts Department

**Committee**

- **Ms. Aamina Hasoon**
  Chief Operating Officer (Chairperson)

- **Dr. Amin Khwaja**
  (Member)

- **Ms. Shazia Memon**
  Deputy Director Social Welfare Dept. (Sindh) (Member)

**Approved By:**

**Executive Director**
National Institute of Cardiovascular Diseases  
PROCUREMENT DEPARTMENT

NIT NO.00022-17

Tender No: 57/2018 Annual Tender for Supply & Installation of Centralized Vacuum System.

Method and procedure of procurement: National Competitive Bidding (Single Stage – Two Envelopes)

MINUTES OF BID OPENING MEETING (Financial)

A meeting of the procurement committee of this department was held on 05-08-2019 for opening the financial bids received in respect of subject NIT till the deadlines of submission. The meeting was attended by following members of the procurement committee and the representative of bidders. (Attendance sheet is enclosed).

<table>
<thead>
<tr>
<th>COORDINATORS</th>
<th>COMMITTEE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Khurram Hassan Khan</td>
<td>Dr. Amin Khwaja (Member)</td>
</tr>
<tr>
<td>Head of Procurement Dept.</td>
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<tr>
<td>End User / Head of Relevant Department,</td>
<td>Ms. Azra Maqsood (Chief Operating Officer) (Chairperson)</td>
</tr>
<tr>
<td>Qadeer Muhammad Khan</td>
<td>Ms. Shazia Memon (Deputy Director) Social Welfare Department Sindh (Member)</td>
</tr>
<tr>
<td>Head of Accounts Department</td>
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</table>

The following bidders are Qualified/Dis-Qualified Technically:

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<tr>
<th>S. No.</th>
<th>Name of Bidder</th>
<th>Pay Order #</th>
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<td>Dis-Qualified</td>
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The bids were opened at 11:00 am in the presence of the above mentioned participants. All the members of the procurement committee signed each and every page of Financial proposal. The bids do not contain any over-writing or cutting.

The committee shall examine all the bids as per the Qualification/ eligibility criteria provided in the bidding documents, and verify the documents and bid security submitted by the bidders.

The meeting ended with the note of thanks to and from the chair.

Points of Discussion:

1. Announced the names of Qualified and Dis-qualified bidders with the reasons in-front of all bidders & Procurement committee.
2. Announced the financial quoted proposal of qualified bidders.
3. Head of Procurement read out the reason of disqualification.
4. He also read out the feedback of Technical reasons. This feedback have the technical feedbacks of relevant persons. This feedback signed by head of electro medical department, head of maintenance and CPC of tender committee.
PROCUREMENT DEPARTMENT

ATTENDANCE SHEET
FOR Opening of Technical Bids of
TENDER NO – 57/2018 Dated 13-05-2019
Tender for Supply & Installation of Centralized
Vacuum System.

Purchase & Services Tender Committee Meeting will be held 05th August, 2019
(Monday) for opening of Financial bids of tender No- 57/2018 for Tender for
Supply & Installation of Centralized Vacuum System.

Following participants attended the same at the time of opening of tender.

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<tr>
<th>Sr#</th>
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<th>Mobile No</th>
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<td>0302-269441</td>
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COORDINATORS

<table>
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<tr>
<th>Khurram Hassan Khan</th>
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<tr>
<td>Head of Procurement</td>
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<tr>
<td>Department</td>
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<td>Chief Operating Officer</td>
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</table>

COMMITTEE
Financial bids for above mentioned items/jobs tender will be open on 5th August 2019, Monday at 11.00 AM in the office of undersigned, ground floor of this Institute.

All members are requested to please make convenient to attend the same.

KHURRAM HASSAN KHAN
HEAD OF PROCUREMENT

<table>
<thead>
<tr>
<th>COORDINATORS</th>
<th>COMMITTEE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Khurram Hassan Khan</td>
<td>Mrs. Azra Maqsood</td>
</tr>
<tr>
<td>Head of Procurement Department</td>
<td>Chief Operating Officer (Chairperson)</td>
</tr>
<tr>
<td>End User / Head of relevant</td>
<td>Dr. Amin Khwaja</td>
</tr>
<tr>
<td>Department</td>
<td>(Member)</td>
</tr>
<tr>
<td>Qadeer Muhammad Khan</td>
<td>Mrs. Shazia Memon</td>
</tr>
<tr>
<td>Head of Accounts Department</td>
<td>Deputy Director</td>
</tr>
<tr>
<td></td>
<td>Social Welfare Department Sindh (Member)</td>
</tr>
</tbody>
</table>

C.C. to:
Executive Director – for information.
C.O.O. Office – for information.

1/8/19
<table>
<thead>
<tr>
<th>Sr.#</th>
<th>Tender Description</th>
<th>1 - M/S. BIO MEDICAL TECHNOLOGIES</th>
<th>Recommendation / Analysis</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>MEDICAL VACUUM CENTRAL STATION</td>
<td>HTM2022 Medical Vacuum Plant</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Vacuum central station consists of three vacuum pumps. The vacuum system is designed</td>
<td>Model: V2022 DBBA</td>
<td></td>
</tr>
<tr>
<td></td>
<td>is designed to operate according to ISO 7395-1, BS HTM 02-01 standards. The</td>
<td>Pump Capacity: 250 m³/hr</td>
<td></td>
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<tr>
<td></td>
<td>vacuum center is consist of two or three blade type rotary vacuum pumps, with</td>
<td>Duty Pump Capacity: 500 m³/hr (2 x 250 m³/hr)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>inlet filter, air cooling, internal oil circulation, oil mist eliminator for</td>
<td>Pump Capacity at 450 mHg: 1625 l/m</td>
<td></td>
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<tr>
<td></td>
<td>oil free exhaust air. Suction capacity of 244 m³/hr (4057 l/min) each pump.</td>
<td>Plant Output at 450 mHg (With one pump stationary): 3250 l/m</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3 x Vacuum Pump (244 m³/hr, 7.68 m³/min), 4057 l/min Each Pump.</td>
<td>Plant Configuration: Module</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1 x Alarm Panel with Ethernet: 6 Gases</td>
<td>No. of Vessels: 2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1 x Vacuum Pump Electrical Control panel 3 x (5.5 – 7.8 kW)</td>
<td>Total Vessel Capacity: 3250 Ltrs</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2 x Vessel 2000lt(-1): 11 bar Galvanized In-out/Vertical</td>
<td>No. of Pumps: 3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2 x Antibacterial Filter 360 mm³</td>
<td>Motor Rating: 5.5 kW</td>
<td></td>
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<tr>
<td></td>
<td>1 x Metal Construction base for 3 pumps</td>
<td>Duty Kw: 5.5 kW</td>
<td></td>
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<tr>
<td></td>
<td>1 x Vacuum sensors Transducer 0-1 bar 4-20ma</td>
<td>Starter Type: D.O.L</td>
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<tr>
<td></td>
<td>1 x Electrical control unit</td>
<td>FLC per Pump: 14.1 Amps</td>
<td></td>
</tr>
<tr>
<td></td>
<td>The Vacuum control panel is a fully electronic Automatic, controller and monitoring</td>
<td>Max Current (duty running/ standby starting): 126.9 Amps</td>
<td></td>
</tr>
<tr>
<td></td>
<td>device of a complete vacuum plant. Vacuum control panel is built on the latest</td>
<td>Noise Rating per pump at 1m: 726Bfa</td>
<td></td>
</tr>
<tr>
<td></td>
<td>technology of microcontrollers and provides superior reliability,</td>
<td>Supply Voltage per Pump: 380 / 415v, 3Ph, 50Hz, TPNE</td>
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<tr>
<td></td>
<td>functionality and flexibility.</td>
<td>County of Origin: UK</td>
<td></td>
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<tr>
<td></td>
<td>Vacuum Gauges: 0 – 760 mmHg</td>
<td>Remaining detail as per attached Broucher</td>
<td></td>
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<tr>
<td></td>
<td>Non Return Vales</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Antibacterial Filters: 99.9% efficient according BS 3928, with differential</td>
<td></td>
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<tr>
<td></td>
<td>pressure indicator and sterilizable drain fask.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Country of origin: Europe, USA, Japan.</td>
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<tr>
<td></td>
<td>Qty: 1 Set</td>
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<td></td>
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</tbody>
</table>

Note: End user recommended. Report attached.

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**COORDINATORS**

Khurram Hassan Khan  
Head of Procurement Department

Ms. Azra Masood  
Chief Operating Officer (Chairperson)

End User / Head of Relevant Department

Dr. Amin Khwaja  
(Member)

Qadeer Muhammad Khan  
Head of Accounts Department

Ms. Shazia Memon  
Deputy Director  
Social Welfare Dept. Sindh  
(Member)

**APPROVED BY**

Executive Director

**OR THE YEAR 2018-2019 & 2019-2020**

**Supply & installation of Centralized vacuum system**

<table>
<thead>
<tr>
<th>Sr.#</th>
<th>Tender Description</th>
<th>2 - M/S. STANDARD SUPPLIERS</th>
<th>Recommendation / Analysis</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>MEDICAL VACUUM CENTRAL STATION</td>
<td>Supply &amp; installation of Centralized Vacuum System – 01No</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Vacuum central station consists of three vacuum pumps. The vacuum system is designed to operate according to ISO 7396-1, BS HTM 02-01 standards. The vacuum center is consist of two or three blade type rotary vacuum pumps, with inlet filter, air cooling, internal oil circulation, oil mist eliminator for oil-free exhaust air. Suction capacity of 244 m³/hr (4067 l/min) each pump. 3 x Vacuum Pump (244m³/hr, 7.8kw@50Hz) (4067 l/min) Each Pump.</td>
<td>Triplex Vacuum Plant (Three Phase – 50Hz) Model : CV4940T Fully complaint with the requirements of HTM 2022 and C11. Triplex rotary vane vacuum pump, duplex bacterial filtration system and horizontal receivers to suit design flow. Plant capacity (Flow) rated at 100% with one pump stationary. 400 Volt, 3Phase, 50Hz.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1 x Alarm Panel with Ethernet – 6 Gases</td>
<td></td>
<td>Nominal Motor Power per Pump (KW) : 11</td>
</tr>
<tr>
<td></td>
<td>1 x Vacuum Pump Electrical Control panel 3 x (5.5 – 7.8KW)</td>
<td></td>
<td>Electrical Supply : 400 V ~ 50Hz</td>
</tr>
<tr>
<td></td>
<td>2 x Vac Vessel 20000L (-1) (111 bar) Galvanized In-out/Vertical</td>
<td></td>
<td>Starting Method : SD</td>
</tr>
<tr>
<td></td>
<td>2 x Antibacterial Filter 360m³/h</td>
<td></td>
<td>Full Load Current Per Pump (A) : 21</td>
</tr>
<tr>
<td></td>
<td>1 x Metal Construction base for 3 pumps</td>
<td></td>
<td>Approx. Starting Current (A) : 74</td>
</tr>
<tr>
<td></td>
<td>1 x Vacuum sensors Transducer 0-1 bar 4-20ma</td>
<td></td>
<td>Motor Rated Supply Per Pump (A) : 32</td>
</tr>
<tr>
<td></td>
<td>1 x Electrical control unit</td>
<td></td>
<td>Pump Configuration : Triplex</td>
</tr>
<tr>
<td></td>
<td>The Vacuum control panel is a fully electronic Automatic, controller and monitoring device of a complete vacuum plant. Vacuum control panel is built on the latest technology of microcontrollers and provides superior reliability, functionality and flexibility. Vacuum Gauges: 0 – 760mmHg</td>
<td></td>
<td>Duty Pumps : 2</td>
</tr>
<tr>
<td></td>
<td>Non Return Valves. Antibacterial Filters: 99.99% efficient according BS 3928, with differential pressure indicator and sterilizable drain flask. Country of origin: Europe, USA, Japan.</td>
<td></td>
<td>Sound Pressure Level / Pump Db (A) : 77</td>
</tr>
<tr>
<td></td>
<td>Qty : 1 Set</td>
<td></td>
<td>Cooling Air Flow per Pump (m³/s) : 1.3</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>Pump Oil Capacity (Litres) : 12.0</td>
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<td></td>
<td></td>
<td>Vacuum Vessel(s) to BS 1569:1992 : 2</td>
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<tr>
<td></td>
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<td></td>
<td>Vessel Volume (Litres) : 3000 ; Vacuum Vessel Total Capacity (Litres) : 6000</td>
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<td></td>
<td></td>
<td></td>
<td>Vessel Orientation : Vertical ; Layout Drawing : 6070001748d</td>
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<tr>
<td></td>
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<td></td>
<td>Delivery : Within 16 to 20 Weeks after receipt of your firm order</td>
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<td></td>
<td></td>
<td></td>
<td>MFG : PNEUMATECH MEDICAL GAS SOLUTIONS – UK)</td>
</tr>
</tbody>
</table>

---

**COORDINATORS**

Khurram Hassan Khan  
Head of Procurement Department

End User / Head of Relevant Department

Qadeer Muhammad Khan  
Head of Accounts Department

---

**COMMITTEE**

Ms. Azea Maqsood  
Chief Operating Officer (Chairperson)

Dr. Amin Khwaja  
(Member)

Ms. Shazia Memon  
Deputy Director Social Welfare Dept. Sindh)  
(Member)

---

**Approved By:**  
Executive Director

**OR THE YEAR 2018-2019 & 2019-2020**

**Supply & installation of Centralized vacuum system**

<table>
<thead>
<tr>
<th>Sr. #</th>
<th>Tender Description</th>
<th>3 - M/S. PAKISTAN OXYGEN</th>
<th>Recommendation / Analysis</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>MEDICAL VACUUM CENTRAL STATION</td>
<td>MEDICAL VACUUM CENTRAL STATION</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Vacuum central station consists of three vacuum pumps. The vacuum system is designed to operate according to ISO 7396-1, BS HTM 02-01 standards. The vacuum center is consist of two or three blade type rotary vacuum pumps, with inlet filter, air cooling, internal oil circulation, oil mist eliminator for oil-free exhaust air. Suction capacity of 244 m³/hr (4067 l/min) each pump.</td>
<td>MFG : G. SAMARAS (Greece – Europe) A Vacuum Central Station consists of three vacuum pumps. The vacuum system is designed to operate according to ISO 7396-1 BS HTM 2022, BS HTM 03-01 Standards. The vacuum consists of three blade type Rotary Vacuum Pumps, with Inlet Filter, Air Cooling, Internal Oil Circulation, Oil Mist Eliminator for Oil-free Exhaust Air. Suction capacity of 244 m³/hr (4067 l/min) each pump.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3 x Vacuum Pump (244m³/h, 7.8Kw/50Hz) (4067 l/min) Each Pump</td>
<td>3 x Vacuum Pump U4 250 SA/K (244m³/h) Each pump, 7.8KW @50Hz) (4067 l/min Each Pump)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1 x Alarm Panel with Ethernet – 6 Gases</td>
<td>1 x Alarm Panel with Ethernet – Upto 6 Gases (L6) MGSAPL6</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1 x Vacuum Pump Electrical Control panel 3 x (5.5 – 7.8KW)</td>
<td>1 X Vacuum Pump Electrical control panel 3 x (5.5-7.8KW) (Complete Plant with all accessories, Including Installation, testing, commissioning &amp; training.)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2 x Vessel 2000lt/(-1) (11 bar) Galvanized In-out/Vertical</td>
<td>1 x Electrical control Unit MGSMU VAC (L6)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2 x Antibacterial Filter 360m³/h</td>
<td>2 x VAC Vessel 2000lt/(-1) (11bar) Galvanized In-out/Vertical</td>
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<tr>
<td></td>
<td>1 x Metal Construction base for 3 pumps</td>
<td>2 x Antibacterial Filter 360m³/h</td>
<td></td>
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<tr>
<td></td>
<td>1 x Vacuum sensors Transducer 0-1 bar 4-20mA</td>
<td>1 x Metal Construction – Base for 3 Pumps</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1 x Electrical control unit</td>
<td>1 x transducer 0-1bar 4-20Ma p1A-30G-1-B-01-C-D (M12/4p)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>The Vacuum control panel is a fully electronic Automatic controller and monitoring device of a complete vacuum plant. Vacuum control panel is built on the latest technology of microcontrollers and provides superior reliability, functionality and flexibility. Vacuum Gauges: 0 – 760mmHg Non Return Valves.</td>
<td>The Vacuum control panel is a fully electronic Automatic Controller and monitoring device of a complete vacuum plant. The vacuum control panel built on the latest technology of microcontroller and provides superior reliability functionality and flexibility. Vacuum Gauges: 0-760 mmHg Non – Return Valves</td>
<td></td>
</tr>
</tbody>
</table>

**COORDINATORS**

Khurram Hassan Khan  
Head of Procurement Department

End User / Head of Relevant Department

Gadoor Muhammad Khan  
Head of Accounts Department

**COMMITTEE**

Ms. Azra Maqsood  
Chief Operating Officer (Chairperson)

Dr. Amin Khwaja  
(Member)

Ms. Shazia Memon  
Deputy Director  
Social Welfare Dept. Sindh) (Member)

Approved By:

Executive Director
<table>
<thead>
<tr>
<th>Sr. #</th>
<th>Tender Description</th>
<th>4 - M/S. INTEC Engineers &amp; Contractors</th>
<th>Recommendation / Analysis</th>
</tr>
</thead>
</table>
| 1     | MEDICAL VACUUM CENTRAL STATION | Brand: ELMO RIETSCHE (Gardner Denver)  
Model: X-VPK 303-3-3VMedical Vacuum System  
- 3 Oil Flooded rotary vane pumps VC 303  
- Motor data: 5.5kW 400V 50Hz IE3  
- With mineral oil ISO VG100 Multi – Lube  
- Each equipped with additional check valve, flexible connexions, manual shut-off valve, oil thermostat, filters guage and rubber feet.  
- Mounted on vertical frame  
- Carbon steel powder-coated RAL 9003 (signal white)  
- Operated by QVT-3 electrical control panel  
- + pressure transmitter + emergency vacuum switch according to datasheet QVT E 04/16r1.  
- Language: English (Front panel), English (Internal display)  
- 2 x SVD2000 Vertical vacuum tank 2000 liters  
- Carbon steel galvanized  
- Equipped with single by-pass valve, drainage valve and vacuum gauge 0...-1bar  
MV 50-2 Double Bacterial Filters  
- Two bacterial filters connected in by-pass mode  
- Multi layers cartridge protected from an extranal presturing layer included  
- Differential pressure gauge and glass collector for each filter one alarm vacuum switch for low vacuum and one vacuum gauge 0...-1bar  
Delivery Time: 14-18 weeks after receipt of confirm order  
Warranty: 1 year standard 2 year expended warranty after delivery. | |

**COORDINATORS**

- Khurram Hassan Khan  
  Head of Procurement Department
- End User / Head of Relevant Department
- Gadeer Muhammad Khan  
  Head of Accounts Department

**COMMITTEE**

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  Chief Operating Officer (Chairperson)
- Dr. Amin Khwaja  
  (Member)
- Ms. Shazia Memon  
  Deputy Director Social Welfare Dept. Sindh  
  (Member)

Approved By:

Executive Director
# Supply & Installation of Centralized Vacuum System

<table>
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<th>Tender Description</th>
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<tbody>
<tr>
<td>1</td>
<td><strong>MEDICAL VACUUM CENTRAL STATION</strong>&lt;br&gt;Vacuum central station consists of three vacuum pumps. The vacuum system is designed to operate according to ISO 7396-1, BS HTM 02-01 standards. The vacuum center is consist of two or three blade type rotary vacuum pumps, with inlet filter, air cooling, internal oil circulation, oil mist eliminator for oil-free exhaust air. Suction capacity of 244 m³/hr (4607 l/min) each pump.&lt;br&gt;3 x Vacuum Pump (244m³/hr, 7.8W@50Hz) (4607 l/min) Each Pump.&lt;br&gt;1 x Alarm Panel with Ethernet – 6 Gases&lt;br&gt;1 x Vacuum Pump Electrical Control panel 3 x (5.5 – 7.8KW)&lt;br&gt;2 x Vac Vessel 2000lt (1-1) (11 bar) Galvanized In-out/Vertical&lt;br&gt;2 x Antibacterial Filter 300m³/hr&lt;br&gt;1 x Metal Construction base for 3 pumps&lt;br&gt;1 x Vacuum sensors Transducer 0-1 bar 4-20ma&lt;br&gt;1 x Electrical control unit&lt;br&gt;The Vacuum control panel is a fully electronic Automatic controller and monitoring device of a complete vacuum plant. Vacuum control panel is built on the latest technology of microcontrollers and provides superior reliability, functionality and flexibility.&lt;br&gt;Vacuum Gauges: 0 – 760mm Hg&lt;br&gt;Non Return Valves.&lt;br&gt;Antibacterial Filters: 99.99% efficient according BS 3928, with differential pressure indicator and sterilizable drain flask.&lt;br&gt;Country of origin: Europe, USA, Japan.&lt;br&gt;Qty : 1 Set</td>
<td></td>
</tr>
<tr>
<td>Sr.#</td>
<td>Tender Description</td>
<td>6 - M/S. KARACHI MEDICAL COMPANY</td>
</tr>
<tr>
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<td>-------------------</td>
<td>----------------------------------</td>
</tr>
<tr>
<td>1</td>
<td>MEDICAL VACUUM CENTRAL STATION</td>
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<tr>
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<td>Vacuum central station consists of three vacuum pumps. The vacuum system is designed to operate according to ISO 7396-1, BS HTM 02-01 standards. The vacuum center is consist of two or three blade type rotary vacuum pumps, with inlet filter, air cooling, internal oil circulation, oil mist eliminator for oil-free exhaust air. Suction capacity of 244 m³/hr (4067 l/min) each pump. 3 x Vacuum Pump (244 m³/hr, 7.8kW@50Hertz) (4067 l/min) Each Pump.</td>
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<tr>
<td></td>
<td>1 x Alarm Panel with Ethernet - 6 Gases</td>
<td></td>
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<tr>
<td></td>
<td>1 x Vacuum Pump Electrical Control panel 3 x (5.5 – 7.8KW)</td>
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<tr>
<td></td>
<td>2 x Vav Vessel 2000lt (1) : (11 bar) Galvanized In-out/Vertical</td>
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<tr>
<td></td>
<td>2 x Antibacterial Filter 360m³/h</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1 x Metal Construction base for 4 pumps</td>
<td></td>
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<td>1 x Vacuum sensors Transducer 0-1 bar 4-20ma</td>
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<td>1 x Electrical control unit</td>
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<td>The Vacuum control panel is a fully electronic Automatic controller and monitoring device of a complete vacuum plant. Vacuum control panel is built on the latest technology of microcontrollers and provides superior reliability, functionality and flexibility. Vacuum Gauges: 0 – 760mm Hg</td>
<td></td>
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<tr>
<td></td>
<td>Non Return Valves</td>
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<td>Antibacterial Filters: 99.99% efficient according BS 3928, with differential pressure indicator and sterilising drain flask. Country of origin: Europe, USA, Japan.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Qty: 1 Set</td>
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</tbody>
</table>

**Conclusion:**

MEDICAL VACUUM CENTRAL STATION

Model: Triplex Modular Medical Vacuum Station T-RF 300/2000 CPU.

Make: NOVAIR | Country of Origin: FRANCE

Vacuum Central Station consists of 3 vacuum pumps, 3 lubricated rotary vane pumps mounted on Anti-Vibratory plates.

The system is designed to operate according to ISO 7396-1, BS HTM 02-01 Standards. The system consists of 2 or 3 blade type rotary vacuum pumps with inlet filter, air cooling, internal oil circulation, oil mist eliminator for oil-free exhaust air. 3 lubricated rotary vane oil-free version, non-return valves, high efficiency separator, isolating valves and oil protection panel.

Suction capacity of 244 m³/hr (4067 l/min) per pump: (3 x 300 l/min) (3 x 500 l/min)

3 x Vacuum pumps (244 m³/hr, 7.8 kW @ 50Hz), (4067 l/min) each pump: (3 x 300 l/min) (3 x 500 l/min)

1 x Alarm Panel with Ethernet - 6 Gases: 1 x Alarm Panel

1 x Vacuum Pump Electrical Control panel 3 x (5.5 – 7.8kW): 1 x Vacuum Pump Electrical Control panel 3 x (5.5 – 7.8kW)


2 x Antibacterial Filter 360m³/h: 2 x Antibacterial Filter

1 x Metal Construction base for 4 pumps: 1 x Metal Construction base

1 x Vacuum sensors Transducer 0-1 bar 4-20ma: 1 x Vacuum sensors

1 x Electrical control unit: The Vacuum control panel is a fully electronic Automatic controller and monitoring device of a complete vacuum plant. Vacuum control panel is built on the latest technology of microcontrollers and provides superior reliability, functionality and flexibility. 1 x electronic control panel CPU Controller 08: Mains functions provided by the CPU control panel are:

- Display of the run hour meter for each motor.
- Display of the Vacuum/Pressure level, into the receiver and on demand for network level.
- 4 Different regulation modes 1) Automatic 2) Hourly 3) Manual 4) Progressive (Vacuum only)
- Display of the state of each motor.
- Display of the time left before maintenance for each motor.
- Regulation functions modifications (high level/flow level, emergency level, support time out)
- Composed of power supply base and an emergency pressostat/vacuum. LCD 4 Lines screen and several control buttons.

Vacuum Gauges: 0 – 760mm Hg: Yes

Non Return Valves: Yes

Antibacterial Filters: 99.99% efficient according BS 3928, with differential pressure indicator and sterilising drain flask: DPA 60 Duplex line type

Bacteriological filtration. Qty: 1 Set

---

**COORDINATORS**

Khurram Hassan Khan Head of Procurement Department

End User / Head of Relevant Department

Qadeer Muhammad Khan Head of Accounts Department

**COMMITTEE**

Ms. Azra Maqsood Chief Operating Officer (Chairperson)

Dr. Amin Khwaja (Member)

Ms. Shazia Memon Deputy Director Social Welfare Dept. Sindh (Member)

Approved By: Executive Director
# National Institute of Cardiovascular Diseases

**K. A. J. Shaheed Road, Karachi**  
**Tel No. 3521-8530, 9920-1271 Ext. 419 – Fax No. 9920-1289**  
**Website: www.nicvd.org**

**Tender No. 57/2018, Dated 13-05-2019**  
**FOR THE YEAR 2018-2019 & 2019-2020**

**Supply & installation of Centralized vacuum system**

## EVALUATION CRITERIA

**EVALUATION CRITERIA (TOTAL 100 MARKS)**

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Financial turnover shall be Rs. 5 Million annually</td>
<td>20</td>
<td>2.0</td>
<td>2.0</td>
<td>2.0</td>
<td>2.0</td>
<td>2.0</td>
<td>2.0</td>
</tr>
<tr>
<td>2</td>
<td>Bidder is the authorized distributor of importer / Manufacturer</td>
<td>20</td>
<td>1.0</td>
<td>1.0</td>
<td>2.0</td>
<td>2.0</td>
<td>1.0</td>
<td>1.0</td>
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<tr>
<td>3</td>
<td>Vacuum system as per specification.</td>
<td>20</td>
<td>0</td>
<td>1.5</td>
<td>2.0</td>
<td>2.0</td>
<td>5.0</td>
<td>5.0</td>
</tr>
<tr>
<td>4</td>
<td>Bidder must be in business since last two years.</td>
<td>10</td>
<td>5</td>
<td>1.0</td>
<td>2.0</td>
<td>5.0</td>
<td>1.0</td>
<td>1.5</td>
</tr>
<tr>
<td>5</td>
<td>Bidder is supply in 100+ bed hospital since last two years.</td>
<td>10</td>
<td>5</td>
<td>1.0</td>
<td>1.0</td>
<td>1.0</td>
<td>1.0</td>
<td>1.0</td>
</tr>
<tr>
<td>6</td>
<td>Recommendation of End User.</td>
<td>10</td>
<td>0</td>
<td>1.0</td>
<td>1.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
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<tr>
<td>7</td>
<td>Bidder must provide the following documents,</td>
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<td>2.5</td>
<td>2.5</td>
<td>2.5</td>
<td>2.5</td>
<td>2.5</td>
</tr>
<tr>
<td></td>
<td>a. Affidavit that the firm has never been black listed</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>b. A certificate that the firm will abide all terms and conditions of the tender</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>infringement for consequence as recommended by the competent authority</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
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<tr>
<td></td>
<td>c. Certificate that the prices quoted are not high or more than local/imported</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>market.</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>d. Bio data of key personnel / staff strength with designation, education &amp;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>experience and details of man power.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## COORDINATORS

**Khurram Hassan Khan**  
Head of Procurement Department

**Ms. Azra Maqsood**  
Chief Operating Officer (Chairperson)

**Qadeer Muhammad Khan**  
Head of Accounts Department

**Dr. Amin Khwaja**  
(Member)

**Ms. Shazia Memon**  
Deputy Director Social Welfare Dept. Sindh

**Ms. Shazia Memon**  
(Chairperson)

**Dr. Amin Khwaja**  
(Member)

**Ms. Shazia Memon**  
(Chairperson)

**Ms. Shazia Memon**  
(Member)

**Ms. Shazia Memon**  
(Chairperson)

## COMMITTEE

**Executive Director**

Evaluation Criteria - Sheet1 (Tender # 57/2018)  
01
# National Institute of Cardiovascular Diseases

**DATA SHEET**

**Tender No. 57/2018, Dated 13-05-2019**

**FOR THE YEAR 2018-2019 & 2019-2020**

**Supply & Installation of Centralized vacuum system**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Name, Address, Tel, Fax #, E-mail Address</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>2</td>
<td>National tax Number (NTN)</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>3</td>
<td>Latest Income Tax Certificate or Income Tax exemption certificate.</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>4</td>
<td>Latest GST/SST Certificate or exemption certificate.</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>5</td>
<td>Name of Banker with Current Bank statement.</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>6</td>
<td>Copy of Bid Security (1% of Bid Value of the quoted items) As per clause no 1-b. (Original with commercial bid).</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>7</td>
<td>List of litigation with clients (if any) and nature of litigations.</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>8</td>
<td>Affidavit that the firm has never been black listed.</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>9</td>
<td>Detail of Registration with major organizations</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>10</td>
<td>Original tender purchase receipt.</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>11</td>
<td>Original terms and conditions duly signed and stamped.</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>12</td>
<td>Each page should be signed and stamped by competent authority.</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>13</td>
<td>Sample approval, if asked by authorities.</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
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</tbody>
</table>

## COORDINATORS

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Khurram Hassan Khan</td>
<td>Head of Procurement Department (Coordinator)</td>
</tr>
<tr>
<td>(End user/ Head of relevant Dept.)</td>
<td></td>
</tr>
<tr>
<td>Qadeer Muhammad Khan</td>
<td>Head of Accounts Department</td>
</tr>
</tbody>
</table>

## COMMITTEE

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ms. Azra Maqsood</td>
<td>Chief Operating Officer (Chairperson)</td>
</tr>
<tr>
<td>Dr. Amin Khwaja</td>
<td>(Member)</td>
</tr>
<tr>
<td>Ms. Shazia Memon</td>
<td>Deputy Director (Member)</td>
</tr>
</tbody>
</table>

Approved by: Executive Director
FEEDBACK FORM

TENDER NO : 57/2018
COMPANY NAME : TOTAL TECHNOLOGIES
EQUIPMENT NAME : CENTRALIZED VACUUM SYSTEM
MAKE : BECKER FOR MEDGAS

EQUIPMENT EVALUATION FROM TECHNICAL DEPARTMENT:

- As Per Required Specification system has following deviations
  - Only one year standard Warranty
- 3 Installation found of Same Make.
- 7 Foreign Trained engineer.
- Country of Origin Germany

END-USER REMARKS:

RECOMMENDED

HOD MAINTENANCE REMARKS
WITH SIGNATURE

HOD BIOMEDICAL REMARKS
WITH SIGNATURE

CHAIRMAN PURCHASE COMMITTEE
FEEDBACK FORM

TENDER NO : 57/2018

COMPANY NAME : PAKISTAN OXYGEN

EQUIPMENT NAME : CENTRALIZED VACUUM SYSTEM

MAKE : G.SAMARAS

EQUIPMENT EVALUATION FROM TECHNICAL DEPARTMENT:

- As Per Required Specification system has following deviations
  - Only Sub-Authorized for this project.
  - No clear evidence trained engineer.
  - No Reference and Installation found.

- Country of Origin Europe

END-USER REMARKS:

RECOMMENDED

HOD MAINTENANCE REMARKS WITH SIGNATURE

HOD BIOMEDICAL REMARKS WITH SIGNATURE

CHAIRMAN PURCHASE COMMITTEE
FEEDBACK FORM

TENDER NO : 57/2018
COMPANY NAME : BIOMEDICAL TECHNOLOGIES
EQUIPMENT NAME : CENTRALIZED VACUUM SYSTEM
MAKE : MIM MEDICAL MEDITECH

EQUIPMENT EVALUATION FROM TECHNICAL DEPARTMENT:

- As per Required Specification system has following deviations
  - No Evidence of Sole Distribution.
  - No evidence for Quality Certification.
  - Vessel Capacity is only 1625 Ltrs for each tank (Required 2000 Ltrs for Each Tank).
  - No trained engineer.
  - Antibacterial filter efficacy not clear.
  - No Reference and Installation found.

- Country of Origin Not Clear

END-USER REMARKS:

NOT RECOMMENDED

HOD MAINTENANCE REMARKS WITH SIGNATURE

HOD BIOMEDICAL REMARKS WITH SIGNATURE

CHAIRMAN PURCHASE COMMITTEE
FEEDBACK FORM

TENDER NO : 57/2018
COMPANY NAME : STANDARD SUPPLIER
EQUIPMENT NAME : CENTRALIZED VACUUM SYSTEM
MAKE : PNEUMATECH MEDICAL

EQUIPMENT EVALUATION FROM TECHNICAL DEPARTMENT:

- As Per Required Specification system has following deviations
  - Only Authorized for this project.
  - No Reference found.
- Country of Origin UK

END-USER REMARKS:

NOT RECOMMENDED

HOD MAINTENANCE REMARKS WITH SIGNATURE

HOD BIOMEDICAL REMARKS WITH SIGNATURE

CHAIRMAN PURCHASE COMMITTEE
FEEDBACK FORM

TENDER NO : 57/2018
COMPANY NAME : INTEC ENGINEERS & CONTRACTOR
EQUIPMENT NAME : CENTRALIZED VACUUM SYSTEM
MAKE : ELMO RIETCHLE

EQUIPMENT EVALUATION FROM TECHNICAL DEPARTMENT:

- As Per Required Specification system has following deviations
  o Sub-Authorized for this project.
  o No trained engineer.
  o No Reference and Installation found.
  o No evidence of Alarm panels.
  o No evidence of filter flow rate.

- Country of Origin Italy

END-USER REMARKS:

NOT RECOMMENDED

HOD MAINTENANCE REMARKS WITH SIGNATURE

HOD BIOMEDICAL REMARKS WITH SIGNATURE

CHAIRMAN PURCHASE COMMITTEE
FEEDBACK FORM

TENDER NO : 57/2018
COMPANY NAME : KARACHI MEDICAL COMPANY
EQUIPMENT NAME : CENTRALIZED VACUUM SYSTEM
MAKE : NOVAIR

EQUIPMENT EVALUATION FROM TECHNICAL DEPARTMENT:

- As Per Required Specification system has following deviations
  o Quoted system is Oil free (Requirement is Oil Lubricated).
  o Sub Authorization.
  o No evidence of Warranty period.
  o Quoted system has only one Tank (As per tender requirement system must have 02 Tanks).
  o No data for trained engineer found.
  o No Reference and Installation found.

- Country of Origin France

END-USER REMARKS:

NOT RECOMMENDED

HOD MAINTENANCE REMARKS WITH SIGNATURE

HOD BIOMEDICAL REMARKS WITH SIGNATURE

CHAIRMAN PURCHASE COMMITTEE
# PROCUREMENT DEPARTMENT

## ATTENDANCE SHEET
FOR Submission of Tender Opening of
TENDER NO – 57/2018 Dated 13-05-2019
Tender for Supply & Installation of Centralized Vacuum System.

Purchase & Services Tender Committee Meeting will be held 13th May, 2019 (Monday) for opening of Technical bids of tender No- 57/2018 for Tender for Supply & Installation of Centralized Vacuum System.

Following participants attended the same at the time of submission of tender.

<table>
<thead>
<tr>
<th>Sr#</th>
<th>Receipt #</th>
<th>Date of Receipt</th>
<th>Participants</th>
<th>Mobile No</th>
<th>Signature</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>3457</td>
<td>16-04-2019</td>
<td>Karachi Medical Company</td>
<td>0321-3651404</td>
<td>[Signature]</td>
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<tr>
<td>2</td>
<td>3460</td>
<td>17-04-2019</td>
<td>Pakistan Oxygen (Ltd)</td>
<td>03217317353</td>
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<tr>
<td>3</td>
<td>3461</td>
<td>17-04-2019</td>
<td>Total Technologies (Pvt – Ltd)</td>
<td>03217313804</td>
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<tr>
<td>4</td>
<td>3463</td>
<td>17-04-2019</td>
<td>Bio Medical Technologies</td>
<td>0331-2967416</td>
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<tr>
<td>5</td>
<td>3479</td>
<td>18-04-2019</td>
<td>Radiant Medical (Pvt – Ltd.)</td>
<td>0300-8253359</td>
<td>[Signature]</td>
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<tr>
<td>6</td>
<td>3480</td>
<td>18-04-2019</td>
<td>INTEC Engineers &amp; Contractors</td>
<td>0300-8253359</td>
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<tr>
<td>7</td>
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<td>8</td>
<td>3486</td>
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<tr>
<td>9</td>
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<td>26-04-2019</td>
<td>Medicare Network</td>
<td>0300-8253359</td>
<td>[Signature]</td>
</tr>
</tbody>
</table>

## COORDINATORS
- **Khurram Hassan Khan**
  Head of Procurement Department

## COMMITTEE
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  Chief Operating Officer (Chairperson)
- **Dr. Amin Khwaja**
  (Member)
- **Ms. Shazia Memon**
  Deputy Director Social Welfare Department Sindh (Member)
National Institute of Cardiovascular Diseases
Rafiqui (H.J) Shaheed Road, Karachi - Pakistan
Tel. No. 3521-8530, 9920-1271 Ext. 419, Fax: 9920-1289
Website: www.nicvd.org

PROCUREMENT DEPARTMENT

ATTENDANCE SHEET
FOR Opening of Technical Bids of
TENDER NO – 57/2018 Dated 13-05-2019
Tender for Supply & Installation of Centralized Vacuum System.

Purchase & Services Tender Committee Meeting will be held 13th May, 2019 (Monday) for opening of Technical bids of tender No- 57/2018 for Tender for Supply & Installation of Centralized Vacuum System.

Following participants attended the same at the time of opening of tender:

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<td>Sh. Naqvi</td>
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<tr>
<td>2</td>
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<td></td>
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<tr>
<td>3</td>
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<td>Total Technologies (Pvt – Ltd)</td>
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<td>Sabahat Ali</td>
</tr>
<tr>
<td>4</td>
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<td>17-04-2019</td>
<td>Bio Medical Technologies</td>
<td>0331257746</td>
<td>Khurram</td>
</tr>
<tr>
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<td>Radiant Medical (Pvt – Ltd.)</td>
<td></td>
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</tr>
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<td>INTEC Engineers &amp; Contractors</td>
<td>0300-9753704</td>
<td>Amin Khwaja</td>
</tr>
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<td>Oasis Medical Systems</td>
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<tr>
<td>9</td>
<td>3499</td>
<td>26-04-2019</td>
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<td></td>
<td></td>
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End User / Head of relevant Department.
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Head of Accounts Department

Ms. Shazia Memon
Deputy Director Social Welfare Department Sindh (Member)