

**Bid Evaluation Report**

1. Name of Procuring Agency: **Karachi Medical & Dental College CDGK.**

2. Tender Reference No: **KMDC/Acctts/321/2012 Dated 13-12-2012.**

3. Tender Description/Name of work/item: **Tender for the supply of Equipment For Dental Nephrology & Skill lab Department, KMDC item no skill lab 1 Adult Crisis Manikin Complete Resuscitation Qty 01**

4. Method of Procurement: **Single Stage two Envelop**

5. Tender Published: **SPPRA ID/10381/2012, jung(19/12/2012)/the express tribune(15/12/2012) Print & Electronic Media (SPPRA ID No. & News papers names with dates)**

6. Total Bid documents Sold: **09**

7. Total Bids Received: **02**

8. Technical Bid Opening date: (if applicable) **15-1-2013**

*(Provide details in separate form)*

9. No. of Bid technically qualified (if applicable):

10. Bid(s) Rejected:


11. Financial Bid Opening date: **14-03-2013**

**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
1	M/s MEDINOSTIC HEALTH CARE	14,54,600/-	1 <sup>st</sup>	With in estimate	Deferred due to shortage of fund	Not considered due to shortage of fund
2	M/s GLOW PAK INTERNATIONAL	11,15,000/-	2 <sup>nd</sup>	With in estimate	Deferred due to shortage of fund	Not considered due to shortage of fund

1.   
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DR. JAMAL SHAIK  
M.S SINDH GOVERNMENT HOSPITAL

3.   
HOD PHYSIOLOGY


Signatures of the Members of the Committee.


## Bid Evaluation Report

1. Name of Procuring Agency: **Karachi Medical & Dental College CDGK.**
2. Tender Reference No: **KMDC/Acetts/321/2012 Dated 13-12-2012.**
3. Tender Description/Name of work/item: **Tender for the supply of Equipment For Dental Nephrology & Skill lab Department, KMDC item no skill lab 2 Blood Pressure Simulator Qty 01**
4. Method of Procurement: **Single Stage two Envelop**
5. Tender Published: **SPPRA ID/10381/2012, jung(19/12/2012)/the express tribune(15/12/2012) Print & Electronic Media (SPPRA ID No. & News papers names with dates)**
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0	1	2	3	4	5	6
1	M/s MEDINOSTIC HEALTH CARE	1,99,500/-	1 <sup>st</sup>	With in estimate	Lowest	Accept being lowest rates
2	M/s GLOW PAK INTERNATIONAL	3,20,000/-	2 <sup>nd</sup>	With in estimate	Highest	Not considered due to highest rates

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2. Tender Reference No: **KMDC/Acetts/321/2012 Dated 13-12-2012.**
3. Tender Description/Name of work/item: **Tender for the supply of Equipment For Dental Nephrology & Skill lab Department, KMDC item no skill lab 3 Adult Venipuncture and Injection Training Arm Qty 01**
4. Method of Procurement: **Single Stage two Envelop**
5. Tender Published: **SPPRA ID/10381/2012, jung(19/12/2012)/the express tribune(15/12/2012) Print & Electronic Media (SPPRA ID No. & News papers names with dates)**
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<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
1	M/s GLOW PAK INTERNATIONAL	81,000/-	1 <sup>st</sup>	With in estimate	Lowest	Accept being lowest rates
2	M/s MEDINOSTIC HEALTH CARE	1,20,000/-	2 <sup>nd</sup>	With in estimate	Highest	Not considered due to highest rates

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2. Tender Reference No: **KMDC/Acctts/321/2012 Dated 13-12-2012.**
3. Tender Description/Name of work/item: **Tender for the supply of Equipment For Dental Nephrology & Skill lab Department, KMDC item no skill lab 4 Pediatric Multi-Venous IV Training Arm Qty 01**
4. Method of Procurement: **Single Stage two Envelop**
5. Tender Published: **SPPRA ID/10381/2012, jung(19/12/2012)/the express tribune(15/12/2012) Print & Electronic Media (SPPRA ID No. & News papers names with dates)**
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<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
1	M/s MEDINOSTIC HEALTH CARE	78,900/-	1 <sup>st</sup>	With in estimate	Lowest	Accept being lowest rates
2	M/s GLOW PAK INTERNATIONAL	1,00,000/-	2 <sup>nd</sup>	With in estimate	Highest	Not considered due to highest rates

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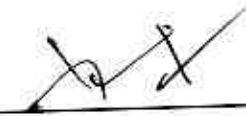
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2. Tender Reference No: **KMDC/Acctts/321/2012 Dated 13-12-2012.**
3. Tender Description/Name of work/item: **Tender for the supply of Equipment For Dental Nephrology & Skill lab Department, KMDC item no skill lab 5 Intramuscular Injection Simulator Qty 01**
4. Method of Procurement: **Single Stage two Envelop**
5. Tender Published: **SPPRA ID/10381/2012, jung(19/12/2012)/the express tribune(15/12/2012) Print & Electronic Media (SPPRA ID No. & News papers names with dates)**
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<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
1	M/s MEDINOSTIC HEALTH CARE	1,39,100/-	1 <sup>st</sup>	With in estimate	Lowest	Accept being lowest rates
2	M/s GLOW PAK INTERNATIONAL	1,50,000/-	2 <sup>nd</sup>	With in estimate	Highest	Not considered due to highest rates

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3. Tender Description/Name of work/item: **Tender for the supply of Equipment For Dental Nephrology & Skill lab Department, KMDC item no skill lab 6 Suture Practice Leg Qty 01**
4. Method of Procurement: **Single Stage two Envelop**
5. Tender Published: **SPPRA ID/10381/2012, jung(19/12/2012)/the express tribune(15/12/2012)**  
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<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
1	M/s MEDINOSTIC HEALTH CARE	57,500/-	1 <sup>st</sup>	With in estimate	Lowest	Accept being lowest rates
2	M/s GLOW PAK INTERNATIONAL	63,000/-	2 <sup>nd</sup>	With in estimate	Highest	Not considered due to highest rates

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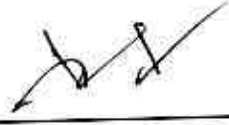
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2. Tender Reference No: **KMDC/Acetts/321/2012 Dated 13-12-2012.**
3. Tender Description/Name of work/item: **Tender for the supply of Equipment For Dental Nephrology & Skill lab Department, KMDC item no skill lab 7 Suture Practice Arm Qty 01**
4. Method of Procurement: **Single Stage two Envelop**
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<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
1	M/s MEDINOSTIC HEALTH CARE	39,300/-	1 <sup>st</sup>	With in estimate	Lowest	Accept being lowest rates
2	M/s GLOW PAK INTERNATIONAL	45,000/-	2 <sup>nd</sup>	With in estimate	Highest	Not considered due to highest rates

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3. Tender Description/Name of work/item: **Tender for the supply of Equipment For Dental Nephrology & Skill lab Department, KMDC item no skill lab 8 Male Catheterization Simulator Qty 01**

4. Method of Procurement: **Single Stage two Envelop**

5. Tender Published: **SPPRA ID/10381/2012, jung(19/12/2012)/the express tribune(15/12/2012)**  
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0	1	2	3	4	5	6
1	M/s MEDINOSTIC HEALTH CARE	1,45,000/-	1 <sup>st</sup>	With in estimate	Lowest	Accept being lowest rates
2	M/s GLOW PAK INTERNATIONAL	1,55,000/-	2 <sup>nd</sup>	With in estimate	Highest	Not considered due to highest rates

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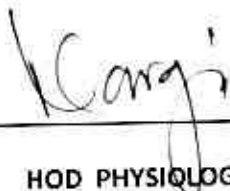
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2. Tender Reference No: **KMDC/Acctts/321/2012 Dated 13-12-2012.**
3. Tender Description/Name of work/item: **Tender for the supply of Equipment For Dental Nephrology & Skill lab Department, KMDC item no skill lab 9 Female Catheterization Simulator Qty 01**
4. Method of Procurement: **Single Stage two Envelop**
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<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
1	M/s MEDINOSTIC HEALTH CARE	1,45,000/-	1 <sup>st</sup>	With in estimate	Lowest	Accept being lowest rates
2	M/s GLOW PAK INTERNATIONAL	1,50,000/-	2 <sup>nd</sup>	With in estimate	Highest	Not considered due to highest rates

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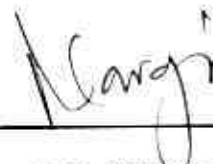
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3. Tender Description/Name of work/item: **Tender for the supply of Equipment For Dental Nephrology & Skill lab Department, KMDC item no skill lab 10 NG Tube & Trach Care Simulator Qty 01**
4. Method of Procurement: **Single Stage two Envelop**
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<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
1	M/s GLOW PAK INTERNATIONAL	2,40,000/-	1 <sup>st</sup>	With in estimate	Lowest	Accept being lowest rates
2	M/s MEDINOSTIC HEALTH CARE	2,52,600/-	2 <sup>nd</sup>	With in estimate	Highest	Not considered due to highest rates

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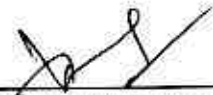
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3. Tender Description/Name of work/item: **Tender for the supply of Equipment For Dental Nephrology & Skill lab Department, KMDC item no skill lab 11 Breast Examination Simulator Qty 01**
4. Method of Procurement: **Single Stage two Envelop**
5. Tender Published: **SPPRA ID/10381/2012, jung(19/12/2012)/the express tribune(15/12/2012)**  
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<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
1	M/s MEDINOSTIC HEALTH CARE	80300/-	1 <sup>st</sup>	With in estimate	Lowest	Accept being lowest rates

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4. Method of Procurement: **Single Stage two Envelop**
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<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
1	M/s MEDINOSTIC HEALTH CARE	25,000/-	1 <sup>st</sup>	With in estimate	Lowest	Accept being lowest rates
2	M/s GLOW PAK INTERNATIONAL	36,000/-	2 <sup>nd</sup>	With in estimate	Highest	Not considered due to highest rates

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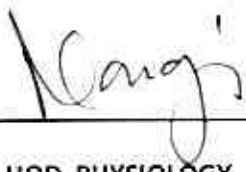
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<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
1	M/s GLOW PAK INTERNATIONAL	21,600/-	1 <sup>st</sup>	With in estimate	Lowest	Accept being lowest rates
2	M/s MEDINOSTIC HEALTH CARE	46,000/-	2 <sup>nd</sup>	With in estimate	Highest	Not considered due to highest rates

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HOD PHYSIOLOGY

**Signatures of the Members of the Committee.**

**Bid Evaluation Report**


1. Name of Procuring Agency: **Karachi Medical & Dental College CDGK.**
2. Tender Reference No: **KMDC/Acetts/321/2012 Dated 13-12-2012.**
3. Tender Description/Name of work/item: **Tender for the supply of Equipment For Dental Nephrology & Skill lab Department, KMDC item no skill lab 14 Qty 01**
4. Method of Procurement: **Single Stage two Envelop**
5. Tender Published: **SPPRA ID/10381/2012, jung(19/12/2012)/the express tribune(15/12/2012)  
Print & Electronic Media (SPPRA ID No. & News papers names with dates)**
6. Total Bid documents Sold; **09**
7. Total Bids Received: **01**
8. Technical Bid Opening date: (if applicable) **15-1-2013** *(Provide details in separate form)*
9. No. of Bid technically qualified (if applicable):
10. Bid(s) Rejected:
11. Financial Bid Opening date: **14-03-2013**

**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>
<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
1	M/s GLOW PAK INTERNATIONAL	18,000/-	1 <sup>st</sup>	With in estimate	Lowest	Accept being lowest rates

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PRINCIPAL, KMDC

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DR. JAMAL SHAIK  
M.S SINDH GOVERNMENT HOSPITAL

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HOD PHYSIOLOGY

**Signatures of the Members of the Committee.**

### Bid Evaluation Report


1. Name of Procuring Agency: **Karachi Medical & Dental College CDGK.**
2. Tender Reference No: **KMDC/Acetts/321/2012 Dated 13-12-2012.**
3. Tender Description/Name of work/item: **Tender for the supply of Equipment For Dental Nephrology & Skill lab Department, KMDC item no skill lab 15 Qty 01**
4. Method of Procurement: **Single Stage two Envelop**
5. Tender Published: **SPPRA ID/10381/2012, jung(19/12/2012)/the express tribune(15/12/2012)  
Print & Electronic Media (SPPRA ID No. & News papers names with dates)**
6. Total Bid documents Sold; **09**
7. Total Bids Received: **02**
8. Technical Bid Opening date: (if applicable) **15-1-2013** *(Provide details in separate form)*
9. No. of Bid technically qualified (if applicable):
10. Bid(s) Rejected:
11. Financial Bid Opening date: **14-03-2013**

#### **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>
<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
1	M/s GLOW PAK INTERNATIONAL	39,600/-	1 <sup>st</sup>	With in estimate	Lowest	Accept being lowest rates
2	M/s MEDINOSTIC HEALTH CARE	72,000/-	2 <sup>nd</sup>	With in estimate	Highest	Not considered due to highest rates

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PRINCIPAL, KMDC

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Signatures of the Members of the Committee.



**Bid Evaluation Report**


1. Name of Procuring Agency: **Karachi Medical & Dental College CDGK.**
2. Tender Reference No: **KMDC/Acctts/321/2012 Dated 13-12-2012.**
3. Tender Description/Name of work/item: **Tender for the supply of Equipment For Dental Nephrology & Skill lab Department, KMDC item no skill lab 16 Qty 01**
4. Method of Procurement: **Single Stage two Envelop**
5. Tender Published: **SPPRA ID/10381/2012, jung(19/12/2012)/the express tribune(15/12/2012)**  
*Print & Electronic Media (SPPRA ID No. & News papers names with dates)*
6. Total Bid documents Sold; **09**
7. Total Bids Received: **01**
8. Technical Bid Opening date: (if applicable) **15-1-2013** *(Provide details in separate form)*
9. No. of Bid technically qualified (if applicable):
10. Bid(s) Rejected:
11. Financial Bid Opening date: **14-03-2013**

**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
1	M/s GLOW PAK INTERNATIONAL	38,700/-	1 <sup>st</sup>	With in estimate	Lowest	Accept being lowest rates

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PRINCIPAL, KMDC

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HOD PHYSIOLOGY

**Signatures of the Members of the Committee.**


**Bid Evaluation Report**


1. Name of Procuring Agency: **Karachi Medical & Dental College CDGK.**
2. Tender Reference No: **KMDC/Acctts/321/2012 Dated 13-12-2012.**
3. Tender Description/Name of work/item: **Tender for the supply of Equipment For Dental Nephrology & Skill lab Department, KMDC item no skill lab 17 Advanced Childbirth Simulator Qty 01**
4. Method of Procurement: **Single Stage two Envelop**
5. Tender Published: **SPPRA ID/10381/2012, jung(19/12/2012)/the express tribune(15/12/2012)**  
*Print & Electronic Media (SPPRA ID No. & News papers names with dates)*
6. Total Bid documents Sold; **09**
7. Total Bids Received: **01**
8. Technical Bid Opening date: (if applicable) **15-1-2013** *(Provide details in separate form)*
9. No. of Bid technically qualified (if applicable):
10. Bid(s) Rejected:
11. Financial Bid Opening date: **14-03-2013**

**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>
<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
1	M/s MEDINOSTIC HEALTH CARE	1,30,000/-	1 <sup>st</sup>	With in estimate	Lowest	Accept being lowest rates

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PRINCIPAL, KMDC

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**Signatures of the Members of the Committee.**

**Bid Evaluation Report**


1. Name of Procuring Agency: **Karachi Medical & Dental College CDGK.**
2. Tender Reference No: **KMDC/Acetts/321/2012 Dated 13-12-2012.**
3. Tender Description/Name of work/item: **Tender for the supply of Equipment For Dental Nephrology & Skill lab Department, KMDC item no skill lab 18 Forceps/Vacuum Delivery OB Manikin Qty 01**
4. Method of Procurement: **Single Stage two Envelop**
5. Tender Published: **SPPRA ID/10381/2012, jung(19/12/2012)/the express tribune(15/12/2012)**  
*Print & Electronic Media (SPPRA ID No. & News papers names with dates)*
6. Total Bid documents Sold: **09**
7. Total Bids Received: **02**
8. Technical Bid Opening date: (if applicable) **15-1-2013** *(Provide details in separate form)*
9. No. of Bid technically qualified (if applicable):
10. Bid(s) Rejected:
11. Financial Bid Opening date: **14-03-2013**

**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>
<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
1	M/s MEDINOSTIC HEALTH CARE	1,62,000/-	1 <sup>st</sup>	With in estimate	Lowest	Accept being lowest rates
2	M/s GLOW PAK INTERNATIONAL	2,22,300/-	2 <sup>nd</sup>	With in estimate	Highest	Not considered due to highest rates

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PRINCIPAL, KMDC

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**Signatures of the Members of the Committee.**

### Bid Evaluation Report

1. Name of Procuring Agency: **Karachi Medical & Dental College CDGK.**

2. Tender Reference No: **KMDC/Acctts/321/2012 Dated 13-12-2012.**

3. Tender Description/Name of work/item: **Tender for the supply of Equipment For Dental Nephrology & Skill lab Department, KMDC item no skill lab 19 Gynecologic Simulator Qty 01**

4. Method of Procurement: **Single Stage two Envelop**

5. Tender Published: **SPPRA ID/10381/2012, jung(19/12/2012)/the express tribune(15/12/2012) Print & Electronic Media (SPPRA ID No. & News papers names with dates)**

6. Total Bid documents Sold; **09**

7. Total Bids Received: **01**

8. Technical Bid Opening date: (if applicable) **15-1-2013** *(Provide details in separate form)*

9. No. of Bid technically qualified (if applicable):

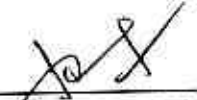
10. Bid(s) Rejected:


11. Financial Bid Opening date: **14-03-2013**

#### **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>
<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
1	M/s MEDINOSTIC HEALTH CARE	1,41,400/-	1 <sup>st</sup>	With in estimate	Lowest	Accept being lowest rates

1.   
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Signatures of the Members of the Committee.

### Bid Evaluation Report

1. Name of Procuring Agency: **Karachi Medical & Dental College CDGK.**

2. Tender Reference No: **KMDC/Acctts/321/2012 Dated 13-12-2012.**

3. Tender Description/Name of work/item: **Tender for the supply of Equipment For Dental Nephrology & Skill lab Department, KMDC item no skill lab 20 Fetal Monitoring and Labor Progress Model Qty 01**

4. Method of Procurement: **Single Stage two Envelop**

5. Tender Published: **SPPRA ID/10381/2012, jung(19/12/2012)/the express tribune(15/12/2012)**  
*Print & Electronic Media (SPPRA ID No. & News papers names with dates)*

6. Total Bid documents Sold; **09**

7. Total Bids Received: **02**

8. Technical Bid Opening date: (if applicable) **15-1-2013**

*(Provide details in separate form)*

9. No. of Bid technically qualified (if applicable):

10. Bid(s) Rejected:


11. Financial Bid Opening date: **14-03-2013**

#### **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
1	M/s GLOW PAK INTERNATIONAL	98,000/-	1 <sup>st</sup>	With in estimate	Lowest	Accept being lowest rates
2	M/s MEDINOSTIC HEALTH CARE	1,19,900/-	2 <sup>nd</sup>	With in estimate	Highest	Not considered due to highest rates

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Signatures of the Members of the Committee.

**Bid Evaluation Report**

1. Name of Procuring Agency: **Karachi Medical & Dental College CDGK.**

2. Tender Reference No: **KMDC/Acetts/321/2012 Dated 13-12-2012.**

3. Tender Description/Name of work/item: **Tender for the supply of Equipment For Dental Nephrology & Skill lab Department, KMDC item no skill lab 21 Cervical Dilatation/Effacement Simulators Qty 01**

4. Method of Procurement: **Single Stage two Envelop**

5. Tender Published: **SPPRA ID/10381/2012, jung(19/12/2012)/the express tribune(15/12/2012) Print & Electronic Media (SPPRA ID No. & News papers names with dates)**

6. Total Bid documents Sold: **09**

7. Total Bids Received: **02**

8. Technical Bid Opening date: (if applicable) **15-1-2013**

*(Provide details in separate form)*

9. No. of Bid technically qualified (if applicable):

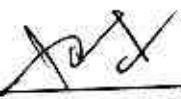
10. Bid(s) Rejected:


11. Financial Bid Opening date: **14-03-2013**

**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
1	M/s MEDINOSTIC HEALTH CARE	2,00,600/-	1 <sup>st</sup>	With in estimate	Lowest	Accept being lowest rates
2	M/s GLOW PAK INTERNATIONAL	2,25,000/-	2 <sup>nd</sup>	With in estimate	Highest	Not considered due to highest rates

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PRINCIPAL, KMDC

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HOD PHYSIOLOGY

Signatures of the Members of the Committee.

**Bid Evaluation Report**

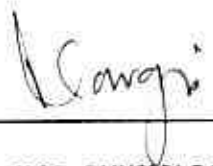
1. Name of Procuring Agency: **Karachi Medical & Dental College CDGK.**
2. Tender Reference No: **KMDC/Acctts/321/2012 Dated 13-12-2012.**
3. Tender Description/Name of work/item: **Tender for the supply of Equipment For Dental Nephrology & Skill lab Department, KMDC item no skill lab 22 MODEL FOR INTRAUTERINE CONTRACEPTIVE DEVICE INSERTION Qty 01**
4. Method of Procurement: **Single Stage two Envelop**
5. Tender Published: **SPPRA ID/10381/2012, jung(19/12/2012)/the express tribune(15/12/2012)**  
*Print & Electronic Media (SPPRA ID No. & News papers names with dates)*
6. Total Bid documents Sold: **09**
7. Total Bids Received: **02**
8. Technical Bid Opening date: (if applicable) **15-1-2013** *(Provide details in separate form)*
9. No. of Bid technically qualified (if applicable):
10. Bid(s) Rejected:
11. Financial Bid Opening date: **14-03-2013**

**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>
<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
1	M/s GLOW PAK INTERNATIONAL	4,500/-	1 <sup>st</sup>	With in estimate	Lowest	Accept being lowest rates
2	M/s MEDINOSTIC HEALTH CARE	58,500/-	2 <sup>nd</sup>	With in estimate	Highest	Not considered due to highest rates

1.   
PRINCIPAL, KMDC

2.   
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HOD PHYSIOLOGY

**Signatures of the Members of the Committee.**



**Bid Evaluation Report**

1. Name of Procuring Agency: **Karachi Medical & Dental College CDGK.**

2. Tender Reference No: **KMDC/Accnts/321/2012 Dated 13-12-2012.**

3. Tender Description/Name of work/item: **Tender for the supply of Equipment For Dental Nephrology & Skill lab Department, KMDC item no skill lab 24 NOSE BLEED TRAINER Qty 01**

4. Method of Procurement: **Single Stage two Envelop**

5. Tender Published: **SPPRA ID/10381/2012, jung(19/12/2012)/the express tribune(15/12/2012) Print & Electronic Media (SPPRA ID No. & News papers names with dates)**

6. Total Bid documents Sold: **09**

7. Total Bids Received: **01**

8. Technical Bid Opening date: (if applicable) **15-1-2013** *(Provide details in separate form)*

9. No. of Bid technically qualified (if applicable):


10. Bid(s) Rejected:


11. Financial Bid Opening date: **14-03-2013**

**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
1	M/s GLOW PAK INTERNATIONAL	1,38,600/-	1 <sup>st</sup>	With in estimate	Lowest	Accept being lowest rates

1.   
PRINCIPAL KMDC

2.   
DR. JAMAL SHAIK  
M.S SINDH GOVERNMENT HOSPITAL

3.   
HOD PHYSIOLOGY

Signatures of the Members of the Committee.

**Bid Evaluation Report**


1. Name of Procuring Agency: **Karachi Medical & Dental College CDGK.**
2. Tender Reference No: **KMDC/Acetts/321/2012 Dated 13-12-2012.**
3. Tender Description/Name of work/item: **Tender for the supply of Equipment For Dental Nephrology & Skill lab Department, KMDC item no skill lab 25 EYE RETINOPATHY TRAINER Qty 01**
4. Method of Procurement: **Single Stage two Envelop**
5. Tender Published: **SPPRA ID/10381/2012, jung(19/12/2012)/the express tribune(15/12/2012)**  
*Print & Electronic Media (SPPRA ID No. & News papers names with dates)*
6. Total Bid documents Sold; **09**
7. Total Bids Received: **01**
8. Technical Bid Opening date: (if applicable) **15-1-2013** *(Provide details in separate form)*
9. No. of Bid technically qualified (if applicable):
10. Bid(s) Rejected:
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**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>
<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
1	M/s GLOW PAK INTERNATIONAL	1,17,000/-	1 <sup>st</sup>	With in estimate	Lowest	Accept being lowest rates

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PRINCIPAL, KMDC

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DR. JAMAL SHAIK  
M.S SINDH GOVERNMENT HOSPITAL

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HOD PHYSIOLOGY

**Signatures of the Members of the Committee.**

### Bid Evaluation Report

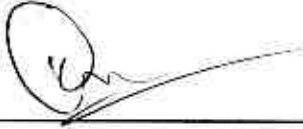
1. Name of Procuring Agency: **Karachi Medical & Dental College CDGK.**
2. Tender Reference No: **KMDC/Acetts/321/2012 Dated 13-12-2012.**
3. Tender Description/Name of work/item: **Tender for the supply of Equipment For Dental Nephrology & Skill lab Department, KMDC item no nephrology 1 ICU VENTILATOR Qty 01**
4. Method of Procurement: **Single Stage two Envelop**
5. Tender Published: **SPPRA ID/10381/2012, jung(19/12/2012)/the express tribune(15/12/2012)  
Print & Electronic Media (SPPRA ID No. & News papers names with dates)**
6. Total Bid documents Sold: **09**
7. Total Bids Received: **02**
8. Technical Bid Opening date: (if applicable) **15-1-2013** *(Provide details in separate form)*
9. No. of Bid technically qualified (if applicable):
10. Bid(s) Rejected:
11. Financial Bid Opening date: **14-03-2013**

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<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>
<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
1	M/s BIOS	20,23,000/-	1 <sup>st</sup>	With in estimate	Deferred	Not considered due to shortage of fund
2	M/s KARACHI MEDICAL COMPANY	25,17,250/-	2 <sup>nd</sup>	With in estimate	Deferred	Not considered due to shortage of fund

1.   
PRINCIPAL, KMDC

2.   
DR. JAMAL SHAIK  
M.S SINDH GOVERNMENT HOSPITAL

3.   
HOD NEPHROLOGY

Signatures of the Members of the Committee.

**Bid Evaluation Report**


1. Name of Procuring Agency: **Karachi Medical & Dental College CDGK.**
2. Tender Reference No: **KMDC/Acctts/321/2012 Dated 13-12-2012.**
3. Tender Description/Name of work/item: **Tender for the supply of Equipment For Dental Nephrology & Skill lab Department, KMDC item no nephrology 2 ECG Machine Qty 01**
4. Method of Procurement: **Single Stage two Envelop**
5. Tender Published: **SPPRA ID/10381/2012, jung(19/12/2012)/the express tribune(15/12/2012)  
Print & Electronic Media (SPPRA ID No. & News papers names with dates)**
6. Total Bid documents Sold; **09**
7. Total Bids Received: **02**
8. Technical Bid Opening date: (if applicable) **15-1-2013** *(Provide details in separate form)*
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11. Financial Bid Opening date: **14-03-2013**

**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>
<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
1	M/s UNIVERSAL ENTERPRISES	1,23,000/-	1 <sup>st</sup>	With in estimate	Lowest	Accept being lowest rates
2	M/s BIOS	1,39,000/-	2 <sup>nd</sup>	With in estimate	Highest	Not considered due to highest rates

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PRINCIPAL, KMDC

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HOD NEPHROLOGY

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## Bid Evaluation Report


1. Name of Procuring Agency: **Karachi Medical & Dental College CDGK.**
2. Tender Reference No: **KMDC/Acetts/321/2012 Dated 13-12-2012.**
3. Tender Description/Name of work/item: **Tender for the supply of Equipment For Dental Nephrology & Skill lab Department, KMDC item no nephrology 3 ABG Machine Qty 01**
4. Method of Procurement: **Single Stage two Envelop**
5. Tender Published: **SPPRA ID/10381/2012, jung(19/12/2012)/the express tribune(15/12/2012)**  
*Print & Electronic Media (SPPRA ID No. & News papers names with dates)*
6. Total Bid documents Sold; **09**
7. Total Bids Received: **02**
8. Technical Bid Opening date: (if applicable) **15-1-2013** *(Provide details in separate form)*
9. No. of Bid technically qualified (if applicable):
10. Bid(s) Rejected:
11. Financial Bid Opening date: **14-03-2013**

### **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>
<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
1	M/s A.M Sales	7,90,000/-	1 <sup>st</sup>	With in estimate	Lowest	Accept being lowest rates
2	M/s KARACHI MEDICAL COMPANY	16,15,400/-	2 <sup>nd</sup>	With in estimate	Highest	Not considered due to highest rates

1.   
\_\_\_\_\_  
PRINCIPAL, KMDC

2.   
\_\_\_\_\_  
DR. JAMAL SHAIK  
M.S SINDH GOVERNMENT HOSPITAL

3.   
\_\_\_\_\_  
HOD NEPHROLOGY

Signatures of the Members of the Committee.


**Bid Evaluation Report**

1. Name of Procuring Agency: **Karachi Medical & Dental College CDGK.**
2. Tender Reference No: **KMDC/Acctts/321/2012 Dated 13-12-2012.**
3. Tender Description/Name of work/item: **Tender for the supply of Equipment For Dental Nephrology & Skill lab Department, KMDC item no nephrology 4 HEMATOLGY ANALYSER Qty 01**
4. Method of Procurement: **Single Stage two Envelop**
5. Tender Published: **SPPRA ID/10381/2012, jung(19/12/2012)/the express tribune(15/12/2012) Print & Electronic Media (SPPRA ID No. & News papers names with dates)**
6. Total Bid documents Sold; **09**
7. Total Bids Received: **01**
8. Technical Bid Opening date: (if applicable) **15-1-2013** *(Provide details in separate form)*
9. No. of Bid technically qualified (if applicable):
10. Bid(s) Rejected:
11. Financial Bid Opening date: **14-03-2013**
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>
<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
2	M/s KARACHI MEDICAL COMPANY	10,46,200/-	1 <sup>st</sup>	With in estimate	Lowest	Accept being lowest rates

1.   
PRINCIPAL, KMDC

2.   
DR. JAMAL SHAIK  
M.S SINDH GOVERNMENT HOSPITAL

3.   
HOD NEPHROLOGY

**Signatures of the Members of the Committee.**

**Bid Evaluation Report**


1. Name of Procuring Agency: **Karachi Medical & Dental College CDGK.**
2. Tender Reference No: **KMDC/Acetts/321/2012 Dated 13-12-2012.**
3. Tender Description/Name of work/item: **Tender for the supply of Equipment For Dental Nephrology & Skill lab Department, KMDC item no 1(dental operating system) Qty 30**
4. Method of Procurement: **Single Stage two Envelop**
5. Tender Published: **SPPRA ID/10381/2012, jung(19/12/2012)/the express tribune(15/12/2012)  
Print & Electronic Media (SPPRA ID No. & News papers names with dates)**
6. Total Bid documents Sold; **09**
7. Total Bids Received: **05**
8. Technical Bid Opening date: (if applicable) **15-1-2013** *(Provide details in separate form)*
9. No. of Bid technically qualified (if applicable):
10. Bid(s) Rejected:
11. Financial Bid Opening date: **14-03-2013**

**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>
<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
1	M/s A T I F BROTHERS	85,50,000/-	1 <sup>st</sup>	With in estimate	Lowest	Accept being lowest rates
2	M/s COMBINED ENGINEERS	86,93,580/-	2 <sup>nd</sup>	With in estimate	Highest	Not considered due to highest rates
3	M/s GLOW PAK INTERNATIONAL	112,13,100/-	3 <sup>rd</sup>	With in estimate	Highest	Not considered due to highest rates
4	M/s KARACHI MEDICAL COMPANY	165,00,000/-	4 <sup>th</sup>	With in estimate	Highest	Not considered due to highest rates
5	M/s UNIVERSAL ENTERPRISES	299,40,000/-	5 <sup>th</sup>	With in estimate	Highest	Not considered due to highest rates

1.   
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PRINCIPAL, KMDC

2.   
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DR. JAMAL SHAIK  
M.S SINDH GOVERNMENT HOSPITAL

3.   
\_\_\_\_\_  
HOD DENTAL

Signatures of the Members of the Committee.



**Bid Evaluation Report**


1. Name of Procuring Agency: **Karachi Medical & Dental College CDGK.**
2. Tender Reference No: **KMDC/Acctts/321/2012 Dated 13-12-2012.**
3. Tender Description/Name of work/item: **Tender for the supply of Equipment For Dental Nephrology & Skill lab Department, KMDC item no 1(A)(dental stool doctor side) Qty 30**
4. Method of Procurement: **Single Stage two Envelop**
5. Tender Published: **SPPRA ID/10381/2012, jung(19/12/2012)/the express tribune(15/12/2012)  
Print & Electronic Media (SPPRA ID No. & News papers names with dates)**
6. Total Bid documents Sold; **09**
7. Total Bids Received: **05**
8. Technical Bid Opening date: (if applicable) **15-1-2013** *(Provide details in separate form)*
9. No. of Bid technically qualified (if applicable):
10. Bid(s) Rejected:
11. Financial Bid Opening date: **14-03-2013**

**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>
<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
1	M/s COMBINED ENGINEERS	2,85,000/-	1 <sup>st</sup>	With in estimate	Lowest	Accept being lowest rates
2	M/s GLOW PAK INTERNATIONAL	3,15,000/-	2 <sup>nd</sup>	With in estimate	Highest	Not considered due to highest rates
3	M/s ATIF BROTHERS	5,35,500/-	3 <sup>rd</sup>	With in estimate	Highest	Not considered due to highest rates
4	M/s KARACHI MEDICAL COMPANY	6,30,000/-	4 <sup>th</sup>	With in estimate	Highest	Not considered due to highest rates
5	M/s UNIVERSAL ENTERPRISES	Include in dental unit/-	5 <sup>th</sup>	With in estimate	Highest	Not considered due to highest rates

1.   
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DR. JAMAL SHAIK  
M.S SINDH GOVERNMENT HOSPITAL

3.   
HOD DENTAL

Signatures of the Members of the Committee.

### Bid Evaluation Report

1. Name of Procuring Agency: **Karachi Medical & Dental College CDGK.**

2. Tender Reference No: **KMDC/Acetts/321/2012 Dated 13-12-2012.**

3. Tender Description/Name of work/item: **Tender for the supply of Equipment For Dental Nephrology & Skill lab Department, KMDC item no 1(b)(dental stool asst side) Qty 30**

4. Method of Procurement: **Single Stage two Envelop**

5. Tender Published: **SPPRA ID/10381/2012, jung(19/12/2012)/the express tribune(15/12/2012)**  
*Print & Electronic Media (SPPRA ID No. & News papers names with dates)*

6. Total Bid documents Sold: **09**

7. Total Bids Received: **05**

8. Technical Bid Opening date: (if applicable) **15-1-2013** *(Provide details in separate form)*

9. No. of Bid technically qualified (if applicable):


10. Bid(s) Rejected:

11. Financial Bid Opening date: **14-03-2013**

#### **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
1	M/s COMBINED ENGINEERS	1,80,000/-	1 <sup>st</sup>	With in estimate	Lowest	Accept being lowest rates
2	M/s GLOW PAK INTERNATIONAL	3,45,000/-	2 <sup>nd</sup>	With in estimate	Highest	Not considered due to highest rates
3	M/s ATIF BROTHERS	4,50,000/-	3 <sup>rd</sup>	With in estimate	Highest	Not considered due to highest rates
4	M/s KARACHI MEDICAL COMPANY	5,31,000/-	4 <sup>th</sup>	With in estimate	Highest	Not considered due to highest rates
5	M/s UNIVERSAL ENTERPRISES	Include in dental unit/-	5 <sup>th</sup>	With in estimate	Highest	Not considered due to highest rates

1.   
PRINCIPAL, KMDC

2.   
DR. JAMAL SHAIK  
M.S SINDH GOVERNMENT HOSPITAL

3.   
HOD DENTAL

Signatures of the Members of the Committee.

### Bid Evaluation Report

1. Name of Procuring Agency: **Karachi Medical & Dental College CDGK.**

2. Tender Reference No: **KMDC/Acctts/321/2012 Dated 13-12-2012.**

3. Tender Description/Name of work/item: **Tender for the supply of Equipment For Dental Nephrology & Skill lab Department, KMDC item no 1(c)(highest speed air turbine) Qty 30**

4. Method of Procurement: **Single Stage two Envelop**

5. Tender Published: **SPPRA ID/10381/2012, jung(19/12/2012)/the express tribune(15/12/2012)**  
*Print & Electronic Media (SPPRA ID No. & News papers names with dates)*

6. Total Bid documents Sold; **09**

7. Total Bids Received: **05**

8. Technical Bid Opening date: (if applicable) **15-1-2013**

*(Provide details in separate form)*

9. No. of Bid technically qualified (if applicable):


10. Bid(s) Rejected:

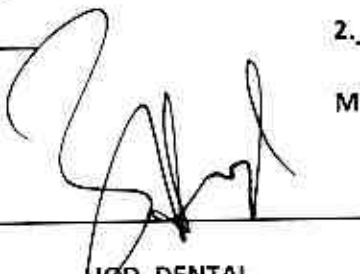
11. Financial Bid Opening date: **14-03-2013**

#### **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>
<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
1	M/s S.M TRADING CO	7,27,500/-	1 <sup>st</sup>	With in estimate	Accept being lowest rates	Accept being lowest rates
2	M/s ATIF BROTHERS	7,50,000/-	2 <sup>nd</sup>	With in estimate	Highest	Not considered due to highest rates
3	M/s COMBINED ENGINEERS	8,40,000/-	5 <sup>th</sup>	With in estimate	Highest	Not considered due to highest rates
4	M/s GLOW PAK INTERNATIONAL	8,10,000/-	3 <sup>rd</sup>	With in estimate	Highest	Not considered due to highest rates
5	M/s KARACHI MEDICAL COMPANY	8,31,000/-	4 <sup>th</sup>	With in estimate	Highest	Not considered due to highest rates
6	M/s UNIVERSAL ENTERPRISES	47,08,800/-	6 <sup>th</sup>	With in estimate	Highest	Not considered due to highest rates

1.   
PRINCIPAL, KMDC

2.   
DR. JAMAL SHAIK  
M.S SINDH GOVERNMENT HOSPITAL

3.   
HOD DENTAL

Signatures of the Members of the Committee.

### Bid Evaluation Report

1. Name of Procuring Agency: **Karachi Medical & Dental College CDGK.**

2. Tender Reference No: **KMDC/Acctts/321/2012 Dated 13-12-2012.**

3. Tender Description/Name of work/item: **Tender for the supply of Equipment For Dental Nephrology & Skill lab Department, KMDC item no 1(d)(slow speed air motor) Qty 15**

4. Method of Procurement: **Single Stage two Envelop**

5. Tender Published: **SPPRA ID/10381/2012, jung(19/12/2012)/the express tribune(15/12/2012)  
Print & Electronic Media (SPPRA ID No. & News papers names with dates)**

6. Total Bid documents Sold; **09**

7. Total Bids Received: **05**

8. Technical Bid Opening date: (if applicable) **15-1-2013**

*(Provide details in separate form)*

9. No. of Bid technically qualified (if applicable):

10. Bid(s) Rejected:


11. Financial Bid Opening date: **14-03-2013**

#### **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>
<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
1	M/s GLOW PAK INTERNATIONAL	6,61,500	1 <sup>st</sup>	Within estimate	Lowest	Accept being lowest rates
2	M/s ATIF BROTHERS	9,85,500/-	3 <sup>rd</sup>	With in estimate	Highest	Not considered due to highest rates
3	M/s COMBINED ENGINEERS	7,20,000/-	2 <sup>nd</sup>	With in estimate	Highest	Not considered due to highest rates
4	M/s S.M trading	10,18,500/-	4 <sup>th</sup>	With in estimate	Highest	Not considered due to highest rates
5	M/s KARACHI MEDICAL COMPANY	11,08,500/-	5 <sup>th</sup>	With in estimate	Highest	Not considered due to highest rates
6	M/s UNIVERSAL ENTERPRISES	13,68,900/-	6 <sup>th</sup>	With in estimate	Highest	Not considered due to highest rates

1.   
PRINCIPAL, KMDC

2.   
DR. JAMAL SHAIK  
M.S SINDH GOVERNMENT HOSPITAL

3.   
HOD DENTAL

Signatures of the Members of the Committee.

**Bid Evaluation Report**

1. Name of Procuring Agency: **Karachi Medical & Dental College CDGK.**

2. Tender Reference No: **KMDC/Acctts/321/2012 Dated 13-12-2012.**

3. Tender Description/Name of work/item: **Tender for the supply of Equipment For Dental Nephrology & Skill lab Department, KMDC item no 1(e)(ultrasonic scalar) Qty 10**

4. Method of Procurement: **Single Stage two Envelop**

5. Tender Published: **SPPRA ID/10381/2012, jung(19/12/2012)/the express tribune(15/12/2012)**  
*Print & Electronic Media (SPPRA ID No. & News papers names with dates)*

6. Total Bid documents Sold: **09**

7. Total Bids Received: **05**

8. Technical Bid Opening date: (if applicable) **15-1-2013**

*(Provide details in separate form)*

9. No. of Bid technically qualified (if applicable):


10. Bid(s) Rejected:


11. Financial Bid Opening date: **14-03-2013**

**12. Bid Evaluation Report:**

S No	Name of Firm or Bidder	Cost offered by the Bidder	Ranking in terms of cost	Comparison with Estimated cost	Reasons for acceptance/rejection	Remarks
0	1	2	3	4	5	6
1	M/s COMBINED ENGINEERS	2,87,500/-	1 <sup>st</sup>	With in estimate	Lowest	Accept being lowest rates
2	M/s ATIF BROTHERS	8,57,000/-	4 <sup>th</sup>	With in estimate	Highest	Not considered due to highest rates
3	M/s GLOW PAK INTERNATIONAL	7,20,000/-	2 <sup>nd</sup>	With in estimate	Highest	Not considered due to highest rates
4	M/s KARACHI MEDICAL COMPANY	9,23,000/-	5 <sup>th</sup>	With in estimate	Highest	Not considered due to highest rates
5	M/s UNIVERSAL ENTERPRISES	14,36,400/-	6 <sup>th</sup>	With in estimate	Highest	Not considered due to highest rates
6	M/s S.M TRADING co	7,93,000	3 <sup>rd</sup>	With in estimate	Highest	Not considered due to highest rates

1.   
PRINCIPAL KMDC

2.   
DR. JAMAL SHAIK  
M.S SINDH GOVERNMENT HOSPITAL

3.   
HOD DENTAL





**Bid Evaluation Report**

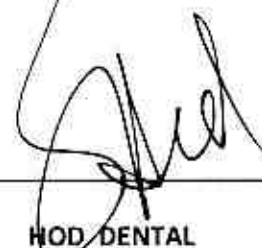
1. Name of Procuring Agency: **Karachi Medical & Dental College CDGK.**
2. Tender Reference No: **KMDC/Accts/321/2012 Dated 13-12-2012.**
3. Tender Description/Name of work/item: **Tender for the supply of Equipment For Dental Nephrology & Skill lab Department, KMDC item no 1(f)(light cure unit) Qty 10**
4. Method of Procurement: **Single Stage two Envelop**
5. Tender Published: **SPPRA ID/10381/2012, jung(19/12/2012)/the express tribune(15/12/2012)**  
*Print & Electronic Media (SPPRA ID No. & News papers names with dates)*
6. Total Bid documents Sold; **09**
7. Total Bids Received: **05**
8. Technical Bid Opening date: (if applicable) **15-1-2013** *(Provide details in separate form)*
9. No. of Bid technically qualified (if applicable): **1**
10. Bid(s) Rejected: **04**
11. Financial Bid Opening date: **14-03-2013**

**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>
<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
1	M/s COMBINED ENGINEERS	3,60,000/-	1 <sup>st</sup>	With in estimate	Lowest	Accept being lowest rates
2	M/s ATIF BROTHERS	12,14,500/-	5 <sup>th</sup>	With in estimate	Highest	Not considered due to highest rates
3	M/s GLOW PAK INTERNATIONAL	5,94,000/-	3 <sup>rd</sup>	With in estimate	Highest	Not considered due to highest rates
4	M/s KARACHI MEDICAL COMPANY	13,08,000/-	6 <sup>th</sup>	With in estimate	Highest	Not considered due to highest rates
5	M/s UNIVERSAL ENTERPRISES	7,75,800/-	4 <sup>th</sup>	With in estimate	Highest	Not considered due to highest rates
6	M/s S.M TRADING co	4,37,000	2 <sup>nd</sup>	With in estimate	Highest	Not considered due to highest rates

1.   
PRINCIPAL KMDC

2.   
DR. JAMAL SHAIK  
M.S SINDH GOVERNMENT HOSPITAL

3.   
HOD DENTAL

Signatures of the Members of the Committee.

**Bid Evaluation Report**

1. Name of Procuring Agency: **Karachi Medical & Dental College CDGK.**

2. Tender Reference No: **KMDC/Acctts/321/2012 Dated 13-12-2012.**

3. Tender Description/Name of work/item: **Tender for the supply of Equipment For Dental Nephrology & Skill lab Department, KMDC item no 1(g)(Opg Digital) Qty 01**

4. Method of Procurement: **Single Stage two Envelop**

5. Tender Published: **SPPRA ID/10381/2012, jung(19/12/2012)/the express tribune(15/12/2012)**  
*Print & Electronic Media (SPPRA ID No. & News papers names with dates)*

6. Total Bid documents Sold; **09**

7. Total Bids Received: **05**

8. Technical Bid Opening date: (if applicable) **15-1-2013**

*(Provide details in separate form)*

9. No. of Bid technically qualified (if applicable):


10. Bid(s) Rejected:


11. Financial Bid Opening date: **14-03-2013**

**12. Bid Evaluation Report:**

S No	Name of Firm or Bidder	Cost offered by the Bidder	Ranking in terms of cost	Comparison with Estimated cost	Reasons for acceptance/rejection	Remarks
0	1	2	3	4	5	6
1	M/s KARACHI MEDICAL COMPANY	46,15,500/-	1 <sup>st</sup>	With in estimate	Lowest	Accept being lowest rates
2	M/s ATIF BROTHERS	46,15,500/-	2 <sup>nd</sup>	With in estimate	Highest	Not considered due to highest rates
3	M/s GLOW PAK INTERNATIONAL	63,00,000/-	6 <sup>th</sup>	With in estimate	Highest	Not considered due to highest rates
4	M/s COMBINED ENGINEERS	54,80,000/-	5 <sup>th</sup>	With in estimate	Highest	Not considered due to highest rates
5	M/s UNIVERSAL ENTERPRISES	47,51,500/-	4 <sup>th</sup>	With in estimate	Highest	Not considered due to highest rates
6	M/s S.M TRADING co	63,06,000	7 <sup>th</sup>	With in estimate	Highest	Not considered due to highest rates
7	M/s Bios	47,44,000/-	3 <sup>rd</sup>	With in estimate	Highest	Not considered due to highest rates

1.   
PRINCIPAL, KMDC

2.   
DR. JAMAL SHAIK  
M.S SINDH GOVERNMENT HOSPITAL

3.   
HOD DENTAL

Signatures of the Members of the Committee.



**KARACHI MEDICAL & DENTAL COLLEGE**  
**KARACHI METROPOLITAN CORPORATION**

**TENDER FOR THE EQUIPMENTS FOR DENTAL / NEPHROLOGY & SKILL LAB DEPARTMENT FOR KMDC**  
**FINANCIAL BID**

S.No.	Description	Qty	Medinostic Health Care (Pvt.) Ltd.	GLOW PAK INTERNATIONAL	
01	<p><b><u>TRAINING AIDS/SIMULATORS FOR SKILL LAB:-</u></b></p> <p><b><u>ADULT CRISIS MANIKIN COMPLETE RESUSCITATION</u></b>  System to perform CPR, IV, Blood pressure  Defibrillation, Arrhythmia and ECG.</p> <p>PROCEDURES THAT CAN BE PERFORMED:</p> <p><b>Airway Management</b></p> <ul style="list-style-type: none"> <li>• Compatible airway management devices include E.T., E.O.A., E.T.L., L.M.A., E.G.T.A., Combitube®, and KING Systems</li> <li>• Cricoid cartilage allows for practice of Sellick maneuver</li> <li>• Oral, nasal, and digital intubation capabilities</li> <li>• Realistic anatomy of the mouth, tongue, oral pharynx, larynx, epiglottis, vocal cords, trachea, and</li> </ul>	01	<p><b>Adult Crisis Manikin Complete Resuscitation System</b>  Model : 1005649  Make : 3B Scientific, Germany</p> <p><b>Specs:</b>  This full body manikin offers a wide range of ACLS training possibilities including arrhythmia recognition and confirmable defibrillation. The manikin is supplied with a storage case and allows training of the following ACLS procedures:</p> <ul style="list-style-type: none"> <li>• CPR</li> <li>• Airway Management</li> <li>• I.V. and I.M. Injection (at arm)</li> <li>• Blood Pressure Measurement</li> <li>• Defibrillation Chest</li> <li>• Interactive ECG-Simulator</li> </ul> <p>Supplied with carrying case.</p>	<p>1454600</p> <p>1454600</p>	<p><b>Adult Crisis Manikin</b></p> <p><b>Complete Resuscitation</b>  Cat n. AN3955</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> <b>Completely functional CPR</b> manikin with electronic connections includes:</li> <li>IV training arm</li> <li>Blood pressure arm</li> <li>Defibrillation chest skin</li> <li>Airway management trainer</li> <li><input type="checkbox"/> <b>Ideal for ACLS, nursing,</b> paramedic and EMT training at every level</li> <li><input type="checkbox"/> <b>CPR:</b></li> <li>Palpable and visual landmarks</li> <li>Fully articulated head, neck and jaw</li> <li>Jaw thrust</li> <li><input type="checkbox"/> <b>Airway management:</b></li> <li>Realistic anatomy of the mouth, tongue and pharynx, larynx, epiglottis, vocal cords, trachea and oesophagus</li> </ul>

DESCRIPTION

MEDINOSTIC HEALTH CARE Pvt. Ltd

GLOW PAK INTERNATIONAL

<p>esophagus</p> <ul style="list-style-type: none"> <li>• Separate left and right lungs for auscultation</li> <li>• Suctioning capabilities</li> </ul> <p><b>Blood Pressure Arm</b></p> <ul style="list-style-type: none"> <li>• Auscultatory gap can be turned on and off</li> <li>• Can be used with an optional external speaker system (LF01189U) to broadcast sounds to the entire classroom</li> <li>• Instructor determines systolic and diastolic levels, heart rate, and sound volume</li> <li>• Speaker in arm reproduces real blood pressure sounds</li> <li>• 5 Korotkoff phases can be turned on and off</li> </ul> <p><b>CPR</b></p> <ul style="list-style-type: none"> <li>• Fully articulated head, neck, and jaw</li> <li>• Jaw thrust</li> <li>• Palpable and visual landmarks</li> </ul> <p><b>Defibrillation Chest</b></p> <ul style="list-style-type: none"> <li>• Compatible with all standard brands and types of defibrillators, monitors, and patient simulators</li> <li>• Internal load box absorbs full strength of every shock - designed to handle up to maximum recommended 360 Joules</li> </ul>			<p>Cricoid cartilage allows for practice of Sellickmanoeuvre</p> <p>Separate left and right lungs for auscultation</p> <p>Oral, nasal and digital intubation capabilities</p> <p>Suctioning capabilities</p> <p><input type="checkbox"/> <b>IV Arm:</b></p> <p>Articulated at biceps for antecubital and dorsal access</p> <p>Bony landmark at shoulder to identify muscle tissue for intramuscular injections</p> <p>Realistic flashback from a pressurised system</p> <p>Replaceable skin and veins</p> <p><input type="checkbox"/> <b>Blood Pressure Arm:</b></p> <p>Instructor determines systolic and diastolic levels, heart rate and sound volume</p> <p>Speaker in arm reproduces real blood pressure sounds</p> <p>Five Korotkoff sounds</p> <p>Auscultatory gap can be added</p> <p><input type="checkbox"/> <b>Defibrillation Chest:</b></p> <p>Completely compatible with all standard brands and types of defibrillators, monitors and patient simulators</p> <p>Manual, automatic and semi-automatic defibrillation rhythms</p>	
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**DESCRIPTION**

- Manual, semi-automatic, automatic defibrillation
- Monitor manikin like a real patient at 4 ECG sites and 2 defibrillation sites
- IV Arm**
- Articulated at the biceps for antecubital and dorsal access
- Bony landmark at shoulder to identify muscle tissue for intramuscular injections
- Realistic flashback from a pressurized system
- Replaceable skin and veins

**Waveforms available for pacing include:**

- Sinus Brady
- Junctional Brady
- Second degree type I A-V block
- Second degree type II A-V block
- Second degree type II A-V block with PVCs
- Third degree A-V block

**17 Adult/Pediatric Rhythms**

- V. Fib
- V. Tach (Fast)
- V. Tach (Slow)
- V. Tach (Polymorphic)
- A Flutter

- detected at four ECG sites and two defibrillation sites
- Load box prevents shocks reaching the patient simulator
- ECG:**
- The only simulator that combines defibrillator and external pacer training features with adult and paediatric ECG rhythms
  - Simulate electrical capture with an external pacer. Attach pacer to a manikin and initiate pacing. When pacer current is set to 70mA or more, paced beats appear on monitor
  - Waveforms available for pacer training include:
    - Sinus Brady
    - Junctional Brady
    - 2nd degree type I A-V block
    - 2nd degree type II A-V block with PVCs
    - 3rd degree A-V block
  - Simulate cardioversion with a manual, semiautomatic or automatic defibrillator
  - Activate convert feature to select (before defib discharge) another rhythm to run immediately after defib discharge
  - Waveforms available for defibrillator training include:



2	<p><b><u>BLOOD PRESSURE SIMULATOR</u></b>  Features include:</p> <ul style="list-style-type: none"> <li>• Durable control unit</li> <li>• Palpable radial pulse</li> <li>• Simple calibration procedure</li> <li>• Optional external speaker</li> </ul> <p>simulator allows the presetting of values for both systolic and diastolic pressures. Provides an excellent means to practice listening to and</p>	<p><b>Blood Pressure Simulator</b>  Model : 1005828  Make : 3B Scientific, Germany  Specs:  Systolic and diastolic pressures, auscultation gap and pulse rate are adjustable. The cuff pressure can be seen on a display. Features of the blood pressure training arm include:</p> <ul style="list-style-type: none"> <li>• Palpable radial pulse when cuff</li> </ul>	199500	<p>199500 - <i>Shah</i></p>	<p>to simulator using pad adaptors. Built-in circuitry allows you to defibrillate and to pace directly into simulator and to observe ECG rhythms through the PADS connector</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> LED indicators illuminate for: <ul style="list-style-type: none"> <li>Pacer pulse detection</li> <li>Defib discharge detection</li> <li>Adult age group</li> <li>Paediatric age group</li> <li>Low battery</li> </ul> </li> <li><input type="checkbox"/> Battery saver feature switches off simulator automatically when not in use</li> </ul> <p><b>Package includes</b>  Adult Crisis Manikin  AN3670 INTERACTIVE ECG SIMULATOR  <b>MAKE: Adam, Rouilly-UK</b></p>	320000	320000
					<p><b>Blood Pressure Simulator Cat n. AN1129</b>  <b>SKILLS</b>  A simulator for teaching physical assessment, this Blood Pressure Simulator helps resolve the uncertainties common in teaching students to take blood pressure  This lifelike simulator allows the presetting of values for both systolic and diastolic pressures</p>		

<p>distinguishing blood pressure sounds prior to actual clinical experience. It is possible to audibly discern the five Korotkoff phases. The electronically generated sounds are digitally recorded.</p> <p>Control Unit Allows Instructor to:</p> <ul style="list-style-type: none"> <li>• Select systolic and diastolic settings</li> <li>• Adjust volume</li> <li>• Turn auscultatory gap on or off</li> <li>• Adjust pulse rate</li> <li>• Easily calibrate unit for use with any sphygmomanometer</li> </ul> <p>Students:</p> <ul style="list-style-type: none"> <li>• Use normal procedure to place cuff on arm</li> <li>• Check palpable pulse at the radial site</li> <li>• Pump cuff</li> <li>• Pressures are activated at release valve</li> <li>• Read pressures on sphygmomanometer</li> <li>• Auscultate Korotkoff sounds with any stethoscope through a speaker in the arm</li> </ul> <p>The ideal way to broadcast blood pressure sounds to an entire classroom. The instructor can instantly change Korotkoff phases to compare audible differences, vary</p>	<p>pressure is less than the selected systolic blood pressure</p> <ul style="list-style-type: none"> <li>• Korotkoff sounds K1 to K4 (K5 is silence) are audible in the antecubital area between systolic and diastolic pressures</li> <li>• Korotkoff sounds are automatically silenced if auscultation gap is selected</li> </ul> <p>Korotkoff sounds are automatically adjusted depending upon selected heart rate and rate of cuff reduce space deflation</p>	<p>The ideal way to broadcast blood pressure sounds to an entire classroom</p> <p>The arm can be used for individual or group practice</p> <p>Provides an excellent means to practice listening to and distinguishing blood pressure sounds prior to actual clinical experience</p> <p>Five Korotkoff phases audibly discernible</p> <p><b>FEATURES</b></p> <p>Redesigned control unit</p> <p>Simple calibration procedure</p> <p>Palpable radial pulse</p> <p>Students</p> <p>Use normal procedure to cuff arm and pump</p> <p>Check palpable pulse at the radial site</p> <p>Activate pressures at release valve</p> <p>Read pressures on sphygmomanometer</p> <p>Auscultate Korotkoff sounds with any stethoscope through a speaker in the arm</p> <p>Instructor</p> <p>Uses control unit to:</p> <p>Select systolic and diastolic settings</p> <p>Adjust volume</p> <p>Turn auscultatory gap on or off</p> <p>Adjust pulse rate</p>
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DESCRIPTION

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3	<p>pulse rate and volume, control systolic and diastolic pressures, and demonstrate the phenomenon of auscultatory gap. In addition to group presentations, the arm is included for individual practice.</p> <p><b>ADULT VENIPUNCTURE AND INJECTION TRAINING ARM</b></p> <p>The venous system simplifies setup with only one external fluid bag supplying artificial blood to all veins simultaneously. The dorsal surface of the hand includes injectable metacarpal, digital, and thumb veins. The antecubital fossa includes the median cephalic, median basilic, and median cubital veins. Venipuncture can also be performed along the basilic, cephalic, accessory cephalic, and median antebrachial veins. Intramuscular injections may be performed in the deltoid muscle and intradermal injection sites are located in the upper arm.</p> <p>8-line vascular system allows students to practice venipuncture at all primary and secondary locations, including starting IVs and introducing Over the Needle IV Catheters. Intramuscular injections</p>	<p><b>Adult Venipuncture &amp; injection Training Arm</b>  <b>Model : 1000509</b>  <b>Make : 3B Scientific, Germany</b>  <b>Specs:</b>                  This injection arm, made of 3B SKINlike™ silicone, is unique in quality and design and allows realistic training to teach competence to medical staff. It is ideal for practicing:</p> <ul style="list-style-type: none"> <li>• Intravenous injections</li> <li>• Correct puncture of peripheral veins for blood sampling. The following veins can be punctured: basilic vein, cephalic vein, median cubital vein, dorsal venous rete of hand</li> <li>• Positioning of a butterfly catheter</li> </ul>	120000	120000	<p>Easily calibrate unit for use with any sphygmomanometer  <b>Package Includes</b>                  Amplifier/Speaker System  <b>Make: Adam-Rouilly-UK</b></p> <p><b>Adult Venipuncture and Injection Training Arm Cat n. 00330</b>                  The SV Arm is ideal for a clinical skills training environment where large numbers of trainees are practising this skill on a regular basis. Little technical knowledge is required for setup and maintenance, making this product perfect for students to use during self-directed learning time in a skills laboratory.                  This new product is a simplified version of our successful <u>Advanced Venepuncture Arm</u>. It also incorporates improvements based on AV Arm customer feedback.  <b>Improvements</b>                  Skins are more durable                  Veins last longer (500 insertions of 21g needle along 100mm length)                  Blood has been reformulated to improve leak resistance of veins.                  Supplied as a concentrated liquid to save you money and storage space.</p>	81000
					81000	81000



**DESCRIPTION**

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into the deltoid muscle are enhanced by the soft.. To extend the life of the veins, an aerosol sealant is available to seal punctures and prevent leakage, **Complete Venous Access:**

- Basilic V.
- Cephalic V.
- Digital V.
- Dorsal Metacarpal V.
- Median Basilic V.
- Accessory Cephalic V.
- Extensive Venipuncture System
- Flexible Fingers and Wrist
- Intradermal Injections
- Intramuscular Injections
- Median Antebrachial V.
- Median Cephalic V.
- Median Cubital V
- Replaceable Skin and Veins
- Thumb V.

Water soluble

Digital pressure can be applied to veins in order to stem blood flow  
 Bag & Stand Mock Blood Supply allows for quick setup and refilling  
 Infusion Tube allows for volume IV fluids to be administered  
 Skills

Venepuncture

IV Cannulation

IV Infusion

**FEATURES**

Easy-to-use: technicians can quickly set up Arm whilst trainees can easily maintain blood level  
 Veins are easy to replace  
 Can be used with vacuum blood collection systems  
 Realistic blood flashback  
 Realistic, soft, flexible skin and underlying palpable veins  
 Easy to clean, service and maintain  
 Accessible veins: cephalic, basilic & dorsal metacarpal

Can be adapted for professional-to-patient communication (role play) using the Venepuncture Arm Harness

**PACKAGE INCLUDES**

- 1 Venepuncture Arm Skin -  
 Light Part No: 00291

DESCRIPTION

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<p>4</p>	<p><b><u>PEDIATRIC MULTI-VENOUS IV TRAINING ARM</u></b> venipuncture and intramuscular injection techniques and procedures used in young children • Exact reproduction of the arm of a six-year-old child. This model provides realistic sensation and response. The lifelike</p>	<p><b>Pediatric Multivenous Training Arm</b> Model : 1005239 Make : 3B Scientific, Germany Specs: Lifelike reproduction of an infant arm for mastering extremity venipuncture procedures and fluid administration in the superficial veins of the hand. Phlebotomy and Venipuncture are possible in antecubital fossa and</p>	<p>78900</p>	<p>78900</p>	<ul style="list-style-type: none"> <li>• 1 SV Arm Vein Part No: 00333</li> <li>• 1 SV Vein Module Part No: 00334</li> <li>• 1 Bag &amp; Stand Venepuncture Arm Mock Blood Supply Part No: 00336</li> <li>• 1 Concentrated Venous Blood - Starter Pack Part No: 00020</li> <li>• 1 Venepuncture Arm Infusion Tube Part No: 00335</li> <li>• 1 Venepuncture Arm Rest Part No: 00302</li> <li>• 1 Water-based Lubricant Part No: 00293</li> <li>• 1 arm shell</li> </ul> <p>Make: Limbs &amp; Things-UK</p>	<p>100000</p>	<p>100000</p>
<p><b><u>PEDIATRIC MULTI-VENOUS IV TRAINING ARM Cat n. AN958 SKILL</u></b> • For venepuncture and intramuscular injection techniques and procedures used in young children • A simulated vein embedded</p>		<p>78900</p>		<p><b>PEDIATRIC MULTI-VENOUS IV TRAINING ARM Cat n. AN958 SKILL</b> • For venepuncture and intramuscular injection techniques and procedures used in young children • A simulated vein embedded</p>		<p>100000</p>	

**DESCRIPTION**

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<p>vinyl skin actually rolls as you palpate to allow location of the vein. The synthetic rubber tubing for the veins was carefully selected to provide a lifelike simulation of vein size, and feeling of puncture and palpation for practicing venipuncture. A soft foam is used to simulate the deltoid muscle and allows the student to "get the feel" of administering intramuscular injections to children. Simulated bone in the shoulder defines and limits the injection area</p>	<p>dorsum of the hand. Fluid may be infused for realistic flashback</p>	<p></p>	<p>under the realistic skin provides the correct sensation of palpation and puncture</p> <ul style="list-style-type: none"> <li>• A soft foam simulates the deltoid muscle to allow intramuscular injections</li> </ul> <p><b>FEATURES</b></p> <ul style="list-style-type: none"> <li>• Replica of an arm of a six year old child</li> <li>• Simulated bone in the shoulder defines and limits the injection area</li> <li>• Water may be used as injection fluid in the shoulder area</li> </ul> <p><b>PACKAGE INCLUDES</b></p> <ul style="list-style-type: none"> <li>• Fluid supply bag</li> <li>• Ssyringe (3cc)</li> <li>• Artificial blood (500ml)</li> <li>• Instruction manual</li> <li>• Carrying case</li> </ul> <p><b>Make: Adam-Rouilly-UK</b></p>	<p>150000</p>
<p><b>INTRAMUSCULAR INJECTION SIMULATOR</b> Beginning health care students to administer intramuscular injections.</p>	<p><b>Intramuscular Injection Simulators.</b> <b>Model :</b> 1005586 <b>Make :</b> 3B Scientific, Germany <b>Specs:</b></p>	<p>139100</p>	<p><i>139100</i></p> <p><b>INTRAMUSCULAR INJECTION SIMULATOR CAT N. AN961 SKILL</b></p> <ul style="list-style-type: none"> <li>• Three types of intramuscular</li> </ul>	<p>150000</p>
<p>5</p>	<p>150000</p>	<p>150000</p>	<p>150000</p>	<p>150000</p>

**DESCRIPTION**

Always available for class demonstrations or practice by groups of 1 to 30. Intramuscular Injection Simulator offers both visual and tactile learning. A simulated bony structure is embedded in the torso and represents the superior end of the femur, or greater trochanter, the posterior superior and anterior superior iliac spines, and the sacrum. The bony structure provides palpable anatomical landmarks so students can identify proper injection sites. A section of the upper, outer quadrant of the left gluteal area is cut away to allow students to visualize the underlying structures. The gluteus medius and gluteus maximus muscles, sciatic nerve, and vascular structures are clearly shown. Three types of intramuscular injections can be taught and practiced on this simulator: dorsogluteal, ventrogluteal, and vastus lateralis injections

This simulator consists of an accurately modeled buttock with thighs to allow intramuscular injection by finding the correct injection region and needle insertion angle. The skin and muscle texture feel very lifelike, palpable anatomical landmarks such as the superior end of the femur (greater trochanter), posterior and anterior superior iliac spines and the sacrum can be felt. With this simulator you can practice gluteus medius, ventrogluteal and vastus lateralis intramuscular injections.

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- injections may be practiced:
- Gluteus medius
  - Ventrogluteal
  - Vastuslateralis
  - **FEATURES**
    - A simulated bony structure is embedded in the torso and represents the superior end of the femur or greater trochanter, the posterior superior and anterior superior iliac spines and the sacrum
    - The bony structure provides palpable anatomical landmarks so the student can identify proper injection sites
    - A section of the upper, outer quadrant of the left gluteal area is cut away to allow students to observe the underlying structures
    - The gluteus medius and gluteus maximus muscles, sciatic nerve, and vascular structures are clearly show
- INCLUDES**

## DESCRIPTION

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6	<p><b>SUTURE PRACTICE LEG</b> Realistic skin texture with wrinkles, pores, and visible fingerprints. Soft and pliable for easy sewing, the skin is tough enough that sutures will not pull out when tightened. The unit is provided with three "wounds." These "wounds" can be sutured repeatedly until the skin around them is finally worn out; then, new "wounds" can be cut. Although disposable, the leg provides hundreds of suturing experiences before wearing out. Conservatively, over one hundred cuts can be made on the trainer and each of these cuts can be sutured several times. Comes complete with a starter package of sutures and instruction booklet</p>	<p><b>Suture Practice trainers(Leg)</b> <b>Model :</b> 1005683 <b>Make :</b> 3B Scientific, Germany <b>Specs:</b> Made with a soft vinyl skin over a core of stitchable foam to provide a lifelike suturing experience for students or a realistic suturing demonstration by an instructor.</p>	57500	 57500 - J	<ul style="list-style-type: none"> <li>• Syringes</li> <li>• Instruction manual</li> <li>• Carrying case</li> </ul> <p><b>Make: Adam-Rouilly-UK</b></p>	63000	63000
					<p><b>SUTURE PRACTICE LEG CAT N. AN1034</b></p> <p><b>SKILL</b></p> <ul style="list-style-type: none"> <li>• Model is made with soft vinyl skin cover over a core of stitchable foam to provide a realistic suturing practice</li> </ul> <p><b>FEATURES</b></p> <ul style="list-style-type: none"> <li>• Model contains three wounds which may be sutured repeatedly until the skin around them is worn out</li> <li>• New wounds can then be cut</li> <li>• The skin is tough enough to ensure that sutures will not pull out when tightened</li> </ul> <p><b>PACKAGE INCLUDES</b></p> <ul style="list-style-type: none"> <li>• A starter suturing kit</li> <li>• Instruction manual</li> </ul> <p><b>Make: Adam-Rouilly-UK</b></p>	63000	63000

*Handwritten signature*


7	<p><b>SUTURE PRACTICE ARM</b></p> <p>Realistic skin texture with wrinkles, pores, and visible fingerprints. Soft and pliable for easy sewing, the skin is tough enough that sutures will not pull out when tightened. The unit is provided with three "wounds."                  These "wounds" can be sutured repeatedly until the skin around them is finally worn out; then, new "wounds" can be cut. Although disposable, the arm provides hundreds of suturing experiences before wearing out. Conservatively, over one hundred cuts can be made on the trainer and each of these cuts can be sutured several times. Comes complete with a starter package of sutures and instruction booklet</p>	<p><b>Suture Practice trainers(Arm)</b>                  Model : 1005585                  Make : 3B Scientific, Germany</p> <p><b>Specs:</b>                  This arm is made of a soft vinyl skin over a foam allowing hundreds of suture practice sessions. The arm comes with 3 wounds, as well as several cuts which can be placed all over the arm, hand and fingers and sutured several times. The soft and pliable material guarantees the sutures will not pull out when tightened.</p>	39300	<p><b>SUTURE PRACTICE ARM CAT N. AN1028</b></p> <p><b>FEATURES</b></p> <ul style="list-style-type: none"> <li>Model contains three wounds which may be sutured repeatedly until the skin around them is worn out</li> <li>New wounds can then be cut</li> <li>The skin is tough enough to ensure that sutures will not pull out when tightened</li> </ul> <p><b>PACKAGE INCLUDES</b></p> <ul style="list-style-type: none"> <li>A starter suturing kit</li> <li>Instruction manual</li> <li>Make: Adam-Rouilly-UK</li> </ul>	45000	45000
8	<p><b>MALE CATHETERIZATION SIMULATOR</b></p> <p>Demonstration and practice in urinary catheterization without embarrassment or discomfort to the patient or the students. In addition, the catheterization simulator is useful for anatomical identification and demonstration of perineal care. Female Catheterization Simulator</p>	<p><b>Male Catheterization Simulator</b>                  Model : 1005587                  Make : 3B Scientific, Germany</p> <p><b>Specs:</b>                  This simulator consists of a male abdomen and allows you to feel the pressure and resistance caused by the mucosal folds, bulbous urethra and the internal urethral sphincter, just prior to the entrance into the bladder. When the catheter enters the bladder, artificial</p>	145000	<p><b>MALE CATHETERIZATION SIMULATOR CAT N. AN855</b></p> <p><b>SKILL</b></p> <ul style="list-style-type: none"> <li>When inserting a lubricated catheter in the urethral orifice the student will feel the normal restrictions caused by the mucosal folds, bulbous urethra and the internal urethral sphincter, just prior to</li> </ul>	155000	155000



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9	<p>will help your students bridge the gap from classroom to bedside with ease and comfort. The student will feel the normal restrictions caused by the mucosal folds, bulbous urethra, and the internal urethral sphincter, just prior to entrance into the bladder. The experience teaches proper positioning and movement of the penis to allow the catheter to pass easily with a minimum of discomfort to the patient. Includes a hard carry case, lubricant, catheter, and teaching guide.</p>	<p>urine (water) will flow through the catheter. Proper positioning and movement of the penis during the catheterisation can be easily practiced.</p>		<p>the entrance to the bladder</p> <ul style="list-style-type: none"> <li>• When the bladder is successfully entered, water will flow from the catheter</li> <li>• The experience teaches proper positioning and movement of the penis to allow the catheter to pass with minimum discomfort to the patient</li> </ul> <p><b>PACKAGE INCLUDES:</b></p> <ul style="list-style-type: none"> <li>• Foley Catheter (size 16)</li> <li>• Instruction manual</li> <li>• Lubricant</li> <li>• Carrying case</li> </ul> <p><b>Make: Adam-Rouilly-UK</b></p>	150000
	<p><b>FEMALE CATHETERIZATION SIMULATOR</b></p> <p>Female Catheterization Simulator is constructed with a bladder reservoir, patient urethra, and a valve simulating the internal urethral sphincter. The normal feeling of resistance and pressure will be experienced as a catheter is passed through the urethra, past the sphincter, and into the bladder.</p>	<p><b>Female Catheterization Simulator</b>  <b>Model : 1005588</b>  <b>Make : 3B Scientific, Germany</b>  <b>Specs:</b>                  This simulator consists of a female abdomen and allows you to feel the pressure and resistance when a catheter is passed through the urethra and sphincter into the bladder. When the catheter enters the bladder, artificial urine (water) will flow through the catheter. Realistically moulded</p>	145000	<p><b>FEMALE CATHETERIZATION SIMULATOR CAT N. AN856</b></p> <p><b>SKILLS</b></p> <ul style="list-style-type: none"> <li>• Normal feeling of resistance and pressure is experienced as the lubricated catheter is passed through the urethra, past the sphincter and into the bladder</li> <li>• After successfully entering</li> </ul>	150000



**DESCRIPTION**

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<p>When the catheter enters the bladder, artificial urine (water) will flow from the catheter just as in a real patient, and the cuff must be completely deflated before the catheter is removed. Improper use of a Foley can result in damage to the simulator. This simulator is the torso of a middle-aged woman with thighs abducted for proper position during catheterization. The external genitalia and perineum are molded in lifelike form. The labia minora can be spread apart naturally to reveal the clitoris, urethral opening, and vaginal introitus. Includes a hard carry case, lubricant, catheter, and teaching guide</p>	<p>external genitalia and perineum, labia minora, clitoris, urethral opening and vaginal introitus.</p>		<p>the bladder, water will flow from the catheter</p> <p><b>FEATURES</b></p> <ul style="list-style-type: none"> <li>• The torso of a middle-aged woman with the thighs abducted for proper positioning during catheterisation</li> <li>• The external genitalia and perineum are moulded realistically, and the labia minora can be spread apart to reveal clitoris, urethra orifice and vaginal introitus</li> <li>• Constructed with a bladder reservoir, patent urethra and a valve simulating the internal urethral sphincter</li> </ul> <p><b>PACKAGE INCLUDES</b></p> <ul style="list-style-type: none"> <li>• Catheter</li> <li>• Lubricant</li> <li>• Instruction manual</li> <li>• Carrying case</li> </ul> <p><b>Make: Adam-Rouilly-UK</b></p>
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DESCRIPTION

10	<p><b>NG TUBE &amp; TRACH CARE SIMULATOR</b>                  patients with respiratory conditions and the practice of gastrointestinal care procedures via nasal and oral access. Head features anatomical landmarks, trachea, esophagus, simulated lungs, and stomach. Lungs and stomach may be filled with fluid for realistic practice of many procedures, including: tracheostomy care; tracheal suctioning; NG tube insertion and removal; NG tube irrigation, instillation, and monitoring; feeding tube insertion and removal; gastric lavage and gavage; nasogastric and esophageal tube insertion, care, and removal; oropharyngeal and nasopharyngeal insertion and suctioning; and insertion, securing, and care of endotracheal tubes.</p>	252600	252600	<p><b>NG Tube &amp; Trach Cre Simulator.</b>                  Model : 1006058                  Make : 3B Scientific, Germany  <b>Specs:</b>                  The Life/form® NG Tube &amp; Trach Skills Simulator has been developed to aid with the instruction, training and practice of vital tracheostomy skills and care for patients with respiratory conditions. The simulator is also designed for instruction of gastrointestinal care procedures through nasal and oral access.</p>	240000	<p><b>NG TUBE &amp; TRACH CARE AN1174</b>  <b>SIMULATOR CAT N.</b>  <b>SKILL</b></p> <ul style="list-style-type: none"> <li>Developed to aid with the instruction, training, and practice of vital tracheostomy skills and care for patients with respiratory conditions</li> <li>Designed for instruction of gastro-intestinal care procedures through nasal and oral access</li> <li>Practise changing dressings and cuff inflation</li> <li>NG tube care, including insertion, irrigation, and removal</li> <li>Gastric lavage and gavage</li> <li>Feeding tube insertion and removal with the ability to practice feeding</li> <li>Nasogastric and esophageal tube care</li> <li>Oropharyngeal and nasopharyngeal care</li> </ul>	240000
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DESCRIPTION

<p>ET tube care</p> <p><b>FEATURES</b></p> <ul style="list-style-type: none"> <li>• With a newly designed head and torso, this simulator features realistic landmarks, trachea, oesophagus, lungs, and stomach</li> <li>• For exceptional realism, methyl cellulose can be mixed with water to simulate mucous-like fluids of a real patient</li> <li>• Fluid can be added to the lungs and stomach for realistic tracheostomy care and suction</li> </ul> <p><b>PACKAGE INCLUDES</b></p> <ul style="list-style-type: none"> <li>• Spray-pump lubricant</li> <li>• packet of methyl cellulose</li> <li>• instruction manual</li> </ul> <p><b>Make: Adam-Rouilly-UK</b></p>				

80300

80300

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**Breast Examination Simulators.**  
**Model :** 1000344  
**Make :** 3B Scientific, Germany  
**Specs:**  
 Very realistic natural casting of three

**BREAST EXAMINATION SIMULATOR**

A unique feature of this simulator is the realistic fluid breast mass. This mass allows displacement of breast

**DESCRIPTION**

**MEDINOSTIC HEALTH CARE Pvt. Ltd**

**GLOW PAK INTERNATIONAL**

12	<p>tissue under palpation almost exactly as it occurs in a live patient. Each breast contains abnormalities. The left has a small nodule in the upper outer quadrant and a fibroadenoma in the lower inside quadrant. The right breast has a fixed lump in the upper outer quadrant, a fluid filled cyst in the lower inside quadrant, and a round lump movable discrete mass directly under the nipple. The simulator allows women to practice all phases of breast examination in both a sitting and supine position. This lightweight simulator is designed with a concave back to allow placement against the patient for ease in demonstrating or practicing palpation techniques.</p> <p><b>TESTICULAR EXAMINATION SIMULATORS</b></p> <p>Self-examination of the testicles is just as important as self-examination of the female breasts for early detection of tumors. Providing exceptional realism, this simulator features soft, thin outer skin with delicate underlying structures and four embedded, simulated tumors.</p>	<p>different female breasts in C and D cups, to train and practice breast examination.</p> <ul style="list-style-type: none"> <li>• Made of new 3B SKINlike™ high-quality silicone</li> <li>• Displays the skin in finest detail</li> <li>• Very realistic to the touch and dermatologically tested</li> <li>• Benign and malignant tumors in different stages of development are featured in two breasts</li> </ul> <p>A healthy breast is supplied for comparison</p> <p><i>25000</i></p> <p><b>Testicular Examination Simulators.</b>  <b>Model : 1000346</b>  <b>Make : 3B Scientific, Germany</b>  <b>Specs:</b>          This life-size testicle model offers an extremely natural feel. By using SKINlike™ (dermatologically tested), 3B's new high-quality silicon, learning and practicing self-examinations of the testicles becomes even more realistic. The scrotum contains two movable</p>	25000	<p><b>TESTICULAR EXAMINATION SIMULATOR CAT N. AN1143</b></p> <p><b>SKILLS</b></p> <ul style="list-style-type: none"> <li>• Self-examination of the testicles is just as important as self examination of the breasts for early detection of tumours</li> </ul> <p>Ideal for teaching proper</p>	36000	36000
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DESCRIPTION

<p>Ideal for teaching proper palpation techniques.</p>	<p>testicles, the epididymi and the spermatic cords for palpation. Two pathological findings can be felt in the left testicle. The front of the model also includes a replica of the beginning of the penis.</p>		<p>palpation techniques  <b>FEATURES</b></p> <ul style="list-style-type: none"> <li>• Provides exceptional realism</li> <li>• Soft, thin outer skin with delicate underlying structures</li> <li>• Four embedded, simulated tumours</li> </ul> <p><b>PACKAGE INCLUDES</b></p> <ul style="list-style-type: none"> <li>• Baby powder</li> <li>• Laminated tumour location simulator care card</li> <li>• Instruction manual</li> <li>• Storage box</li> </ul> <p>Make: Adam-Rouilly-UK</p>	<p>21600</p>	<p>21600</p>
<p><b>SUTURE TUTOR TRAINEE KIT</b></p> <p>Suture Tutor is designed as a resource to help convey the essential skills required for making skin incisions and suturing in a variety of methods.</p> <p>Topics Covered:</p> <ul style="list-style-type: none"> <li>• Safe handling of materials</li> <li>• Instrument management</li> <li>• Planning and performing a linear incision</li> <li>• Interrupted suturing</li> </ul>	<p><b>SUTURE TUTOR. Trainee Kit</b>                  Model : 1005147                  Make : 3B Scientific, Germany</p> <p><b>Specs:</b>                  This is a basic skill trainer which offers a limited facility for knot tying. The foam can be turned over and or replaced.</p> <ul style="list-style-type: none"> <li>• Highly portable</li> <li>• Rubber suction feet secure the base providing easy working conditions</li> <li>• Washable, durable and all parts replaceable</li> </ul>	<p>46000</p>	<p>46000</p>	<p>46000</p>	<p>21600</p>
<p><b>SUTURE TUTOR TRAINEE KIT</b></p> <p>Each compact and portable Trainee Kit contains a CD-ROM with single user software licence and all the relevant instruments, surgical consumables and synthetic soft tissue models necessary for 'hands-on' skills training and skills reinforcement.</p> <p>Covers: Safe handling of materials, Instrument management, Planning &amp; performing a linear incision, Interrupted suturing.</p>	<p>21600</p>	<p>21600</p>	<p>21600</p>	<p>21600</p>	<p>21600</p>

**DESCRIPTION**

	<p>Subcuticular continuous suturing and Knot tying.</p> <p><b>MAKE: LIMBS&amp;THINGS-UK</b></p>				<p>Subcuticular continuous suturing</p> <ul style="list-style-type: none"> <li>• Knot tying</li> </ul> <p>Each compact and portable Trainee Kit contains the CD-ROM with single user software license and all the relevant instruments, surgical consumables and synthetic soft tissue models necessary for 'hands-on' skills training and skills reinforcement.</p>	18000
14	<p><b>LOCAL ANAESTHESIA FOR MINOR SURGERY TRAINEE KIT</b></p> <p>Local Anesthesia for Minor Surgery is designed as a resource to help convey the essential skills and techniques required to perform local anesthesia for minor surgery using ring blocks and various infiltration techniques</p> <p>Topics Covered:</p>				<p><b>LOCAL ANAESTHESIA FOR MINOR SURGERY TRAINEE KIT CAT N. 90031</b></p> <p>Each compact and portable Trainee Kit contains a CD-ROM with single user software licence and all the relevant instruments, surgical consumables and synthetic soft tissue models necessary for 'hands-on' skills training and skills reinforcement.</p> <p>Covers: Syringes &amp; needles, Drugs &amp; dosage, Infiltration</p>	18000

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DESCRIPTION

	<p>anaesthesia, and Ring Block. <b>MAKE: LIMBS&amp;THINGS-UK</b></p>				39600
<ul style="list-style-type: none"> <li>• Syringes and needles</li> <li>• Drugs and dosage</li> <li>• Infiltration anaesthesia</li> <li>• Ring Block</li> </ul> <p>Each compact and portable Trainee Kit contains the CD-ROM with single user software license and all the relevant instruments, surgical consumables and synthetic soft tissue models necessary for 'hands-on' skills training and skills reinforcement.</p>			<p><b>MINOR SKIN PROCEDURES</b> Trainee Kit Model : 1005134 Make : 3B Scientific, Germany Specs: • Economical reversible pad • The material has been designed to make complex incisions such as "flap and dog turn" suturing more realistic • A sub-dermal layer is present so that</p>	<p><b>MINOR SKIN PROCEDURES</b> <b>TRAINEE KIT</b> Minor Skin Procedures is designed as a resource to help convey the essential skills and techniques required to perform minor surgical procedures on lesions which are on, in or just under the skin.</p>	72000
					39600

*Kang*  
39600



DESCRIPTION

	<p>Topics Covered:</p> <ul style="list-style-type: none"> <li>• Instrument management</li> <li>• Snip and shave execution</li> <li>• Curettage</li> <li>• Haemostasis</li> <li>• Making a linear incision</li> <li>• Ellipse opening and closure</li> <li>• Epidermal cyst removal</li> <li>• Dissection</li> <li>• Lipoma removal</li> <li>• Subcuticular suturing</li> </ul> <p>Each compact and portable Trainee Kit contains the CD-ROM with single user software license and all the relevant instruments, surgical consumables and synthetic soft tissue models necessary for 'hands-on' skills training and skills reinforcement.</p>	<p>it is possible to make secure intradermal sutures</p> <ul style="list-style-type: none"> <li>• Base has suction feet to enable slip free use</li> </ul>		<p>skills training and skills reinforcement.</p> <p>Covers: Instrument management, Snip &amp; shave execution, Curettage, Haemostasis, Making a linear incision, Ellipse opening &amp; closure, Epidermal cyst removal, Dissection, Lipoma removal, Subcuticular suturing, and Knot tying.</p> <p><b>MAKE: LIMBS&amp;THINGS-UK</b></p>	
<p>16</p>	<p><b>TOENAIL TRAINEE KIT</b></p> <p>Ingrowing Toenail is designed as a resource to help convey the essential skills and techniques required in the application of a tourniquet and wedge excision of an ingrowing toenail.</p> <p>Topics covered: Instrument management</p>			<p><b>TOENAIL TRAINEE KIT CAT N. 90051</b></p> <p>Each compact and portable Trainee Kit contains a CD-ROM with single user software licence and all the relevant instruments, surgical consumables and synthetic soft tissue models necessary for 'hands-on'</p>	<p>38700</p> <p>38700</p> <p>38700</p>

DESCRIPTION

	<p>skills training and skills reinforcement. Covers: Instrument management. Ring Block. Applying the tourniquet, Wedge excision of nail, Phenolisation of the nail bed, and Dressing the toe. <b>MAKE: LIMBS&amp;THINGS-UK</b></p>		
17	<ul style="list-style-type: none"> <li>• Ring Block</li> <li>• Applying the tourniquet</li> <li>• Wedge excision of nail</li> <li>• Phenolization of the nail bed</li> <li>• Dressing the toe Each compact and portable</li> </ul> <p>Trainee Kit contains the CD-ROM</p> <p>with single user software license and all the relevant instruments, surgical consumables and synthetic soft tissue models necessary for 'hands-on' skills training and skills reinforcement.</p>	130000	<p><b>ADVANCED CHILDBIRTH SIMULATOR</b> Model : 1005790 Make : 3B Scientific, Germany Specs: This versatile birthing simulator features the pelvic cavity with major anatomical landmarks and painted outline of bony pelvis. The birthing simulator allows intra-uterine manipulation and various training possibilities for prenatal, intra-partum, and postpartum skills as follows: Fetal palpation of fontanelles,</p>
	<p><b>ADVANCED CHILDBIRTH SIMULATOR.</b> Model : 1005790 Make : 3B Scientific, Germany Specs: This versatile birthing simulator features the pelvic cavity with major anatomical landmarks and painted outline of bony pelvis. The birthing simulator allows intra-uterine manipulation and various training possibilities for prenatal, intra-partum, and postpartum skills as follows: Fetal palpation of fontanelles,</p>	130000	

## DESCRIPTION

<p>diaphragm end plate and removable stomach cover for manual positioning of fetus; life-size pelvic cavity with all major anatomical landmarks; ultra-soft vulval insert for episiotomy exercises; simulated dorsosacral position for realistic delivery technique. Cannot do the Leopold procedure on this simulator. Forceps can be used during simulation. All parts in this simulator are replaceable. The Advanced Childbirth Simulator with vinyl skin includes two fetal babies with umbilical cords and placentas, spare stomach cover, two vulva inserts, four spare umbilical cords, two umbilical clamps, talcum powder, instruction manual, and soft carrying bag.</p>	<p>backbone, knees, and elbows Vertex presentation Normal vaginal delivery Complete, frank and footling breech delivery C-section delivery Vertex and breech presentations in multiple delivery Demonstration of placenta previa: total, partial, and marginal Protrapse of umbilical cord Ritgen's maneuver 3 soft vulva inserts for episiotomy exercises Normal delivery of umbilical cord and placenta Suction of baby's nose and mouth</p>	<p>162000</p>	<p>162000</p>	<p>222300</p>	<p>222300</p>
<p>18</p>	<p><b>FORCEPS/VACUUM DELIVERY OB MANIKIN</b></p> <p>The manikin used in Advanced Life Support in Obstetrics (ALSO) training programs. Has all of the same realistic and</p>	<p><b>FORCEPS/VACUUM DELIVERY</b> <b>OB MANIKIN.</b> <b>Model : 1000002</b> <b>Make : 3B Scientific, Germany</b> <b>Specs:</b> The birthing simulator also features: Anatomically correct female pelvis</p>	<p><b>FORCEPS/VACUUM DELIVERY</b> <b>OB MANIKIN Cat n.</b> <b>AS1377</b> <b>FEATURES</b></p>	<p>162000</p>	<p>222300</p>

DESCRIPTION

<p>accurate anatomical manikin features as in our OBstetrical Manikin #180, but with added features of premature and full term fetuses. The soft vinyl pelvis replicates resistance encountered in a delivery requiring forceps or vacuum intervention. The removable abdominal overlay provided with this manikin is different from those that come with the #180 OB manikin, but the overlays are interchangeable and optional. Powder to make simulated blood, extra vulva and soft carry bag is included.</p>	<p>with representation of internal landmarks as spinal column, angled birth canal, ileum, ischium, sacrum, sacro spinous ligaments and greater sciatic notch. Full term foetus with fontanelles and cranial sutures Placenta with six disposable umbilical cords and clamps Easily replaceable spare vulva Simulated blood powder Soft carrying bag The birthing simulator is a great addition to lesson on labor and the human childbirth process</p>	<ul style="list-style-type: none"> <li>• Easily replaceable extra vulva</li> <li>• The lifelike pelvic cavity has pronounced pelvic landmarks, located spinal column, angled birth canal, ilium, ischium, sacrum, sacrospinous ligaments and greater sciatic notch</li> <li>• The removable abdominal overlay provided with this manikin is different from those that come with the AS180 OBSTETRICAL MANIKIN, but the overlays are interchangeable and are available as optional extras.</li> </ul> <p><b>PACAKGE INCLUDES</b></p> <ul style="list-style-type: none"> <li>• Premature fetus</li> <li>• Full term fetus</li> <li>• Abdominal overlay</li> <li>• Air pump</li> <li>• Simulated blood powder</li> <li>• Replacement vulva</li> <li>• Instruction manual</li> </ul>
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**DESCRIPTION**

MEDINOSTIC HEALTH CARE Pvt. Ltd

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19	<p><b><u>GYNECOLOGIC SIMULATOR</u></b></p> <p>Designed by physicians for physicians and health care providers, this gynecologic examination simulator combines the ability to demonstrate multiple gynecologic procedures as well as practice laparoscopic examination and minilaparotomy. Features: full-size adult female lower torso with relevant internal anatomic landmarks, bi-manual pelvic examination, palpation of normal and pregnant uteri, vaginal examination (including insertion of speculum), visual recognition of normal and abnormal cervixes, uterine sounding, IUD insertion and removal, contraceptive sponge insertion and removal, female condom insertion and removal, diaphragm and cervical cap insertion and removal, laparoscopic visualization and occlusion of fallopian tubes, minilaparotomy, one anteverted and one retroverted</p>	<p>141400</p> <p><i>[Signature]</i></p> <p>141400</p>	<p><b><u>GYNECOLOGIC SIMULATOR.</u></b>  <b>Model :</b> 1005789  <b>Make :</b> 3B Scientific, Germany  <b>Specs:</b>                  This gynecologic simulator represents a female adult, lower body with removable soft outer skin as well as anatomically accurate female genital organs, fimbriae and ovaries. Various pelvic examinations including recognition of pathologies and placing of contraceptive devices can be trained on this gynecologic simulator</p>	<ul style="list-style-type: none"> <li>• Soft carrying bag</li> <li>• Make: Adam, Rouilly-UK</li> </ul>
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**DESCRIPTION**

<p>parous uterus, one 10-week pregnant uterus; one postpartum uterus, five normal cervixes with patent os, four abnormal cervixes, 10 fallopian tubes, realistically sculpted and anatomically accurate ovaries and fimbriae, and uterus and cervix feature patented "screw" design for fast and easy change-out.</p>				<p>98000</p> <p>98000</p>
<p><b>FETAL MONITORING AND LABOR PROGRESS MODEL</b></p> <p>This versatile model provides a lifelike simulation for performance of vaginal examinations, assessing dilation, palpating fetal fontanels and suture lines, and assessing position of the vertex. This three-dimensional model includes the fetal head, lower uterine segment, and cervix made from lifelike materials. The fetal model is encased in a durable plastic case which allows for easy visualization of parts. The fetal head can also be removed to practice fetal spiral electrode application while visualizing the procedure. All parts are easily removed for washing. A practice/resource guide is included with directions for use.</p>	<p><b>Fetal monitoring and Labor progress Model</b>                  Model : 1005579                  Make : 3B Scientific, Germany  <b>Specs:</b>                  The fetal monitoring and labor progress model set provides students with a realistic simulation of vaginal examinations, labor progress and insertion of the intrauterine pressure catheter. This fetal and labor model set is an excellent tool for teaching nursing, medical, or midwifery students. This lifelike 3D model includes:</p> <ul style="list-style-type: none"> <li>• Fetal head</li> <li>• Lower uterine segment</li> <li>• Cervix</li> </ul> <p>4 Interchangeable cervical dilation models</p>	<p>119900</p>	<p>119900</p>	<p>98000</p> <p>98000</p>
<p><b>FETAL MONITORING AND LABOR PROGRESS MODEL</b>                  Cat n. W43045</p> <p>This model set provides realistic simulation of vaginal examinations, labour progress, and insertion of the intrauterine pressure catheter. An excellent tool for teaching nursing, medical, or midwifery students. The lifelike, 3-D model includes:</p> <ul style="list-style-type: none"> <li>• foetal head</li> <li>• foetal buttocks for breech presentation</li> <li>• four interchangeable cervical dilatation models (cervix 1: closed cervix; cervix 2: approx. 2cm; cervix 3: approx. 5cm; cervix 4: approx. 8-9cm). Comes with lubricant,</li> </ul>				<p>98000</p>



DESCRIPTION

<p>21</p> <p><b><u>CERVICAL DILATATION/EFFACEMENT SIMULATORS</u></b></p> <p>Designed to facilitate the teaching, demonstration, and practice of cervical examination prior to birth. Every effort has been made to provide exceptional realism in these simulators so that the visual and tactile sensations experienced provide a positive transition to patient procedures. The complete simulator set consists of six separate 5" x 5" x 5" pelvic blocks. The external appearance of all six blocks is identical with the variations being in the internal structure. Internal texture, tissue density, and correct anatomical size are all carefully represented to provide the most realistic condition possible. The</p>	<p><i>200600</i></p> <p>200600</p> <p>Cervical Dilation/Effacement Simulator. Model : 1005599 Make : 3B Scientific, Germany</p> <p>Specs: This birthing simulator consists of 6 anatomical pelvic blocks which are ideal to teach, demonstrate and practice cervical examination prior to birth. Internal texture, tissue density and correct anatomical size are carefully represented to provide the most realistic female genital condition possible</p>	<p>200600</p>	<p>200600</p>	<p>teaching suggestions, and carrying case. 14x13x21 cm; 4.8 kg Make: 3b Scientific-Germany</p> <p><b>CERVICAL DILATION/EFFACEMENT SIMULATORS CAT N. AN1069</b></p> <p><b>Skills</b></p> <ul style="list-style-type: none"> <li>- A set of six models for very easy comparison of the stages in cervical dilatation and effacement before birth</li> <li>- No dilatation, no effacement</li> <li>- 2cm dilatation, 50% effacement</li> <li>- 2cm dilatation, full effacement</li> <li>- 5cm dilatation, full effacement</li> <li>- 7cm dilatation, full effacement</li> <li>- 9cm dilatation, full effacement</li> <li>- Allows students to compare the different carefully represented internal texture, tissue density and anatomy for each of the six</li> </ul>	<p>225000</p> <p>225000</p>
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DESCRIPTION

<p>simulators depict six different cervical conditions prior to birth. Each pelvic block is clearly identified on the bottom to indicate which condition exists internally. With predetermined measurements of the internal cervical condition, all guesswork or estimating on the part of the student and instructor is eliminated. Almost everyone's tactile understanding of 2 cm, 5 cm, 7 cm, and 9 cm dilatation and effacement conditions is identical, eliminating misconceptions and inaccurate patient condition evaluations. The Cervical Dilatation/Effacement Simulators include six separate pelvic blocks, teaching guide, and hard carrying case.</p>				<p>conditions <b>Features</b> _ Cervical conditions featured in the six block models, each having an identical external appearance <b>Includes</b> Instruction manual and carrying case. Lubricated surgical gloves must be worn when handling these models <b>Make: Adam, Rouilly-UK</b></p>	<p>4500 <i>Deja</i> 4500</p>
<p><u>MODEL FOR INTRAUTERINE CONTRACEPTIVE DEVICE INSERTION</u></p>		58500	<p><b>MODEL FOR INTRAUTERINE CONTRACEPTIVE DEVICE</b> <b>INSERTION CAT N. ASI912</b> <b>Skills</b> _ Inexpensive hand held trainer to demonstrate insertion and placement of the IUD in the uterus <b>Make: Adam, Rouilly-UK</b></p>		4500
<p><u>MODEL FOR INTRAUTERINE CONTRACEPTIVE DEVICE INSERTION</u></p>		58500	<p><b>MODEL FOR INTRAUTERINE CONTRACEPTIVE DEVICE INSERTION</b> <b>Model : 1005825</b> <b>Make : 3B Scientific, Germany</b> <b>Specs:</b> This anatomically accurate model represents a section of the uterus, ovaries and fimbriae. The uterus is covered by a clear plastic window to</p>		58500
<p><u>MODEL FOR INTRAUTERINE CONTRACEPTIVE DEVICE INSERTION</u></p>					22

DESCRIPTION

				<p>allows easy visualization of insertion and placement of I.U.D. (I.U.D. not included).</p>		
23	<p><u>SET OF 30 VIDEOS IN OBSTETRIC &amp; GYNAECOLOGY</u></p>					
<ol style="list-style-type: none"> <li>1. Anatomy for Beginners the Anatomy of Reproduction</li> <li>2. Caring for Premature Babies</li> <li>3. Fight for Life the anatomy of Survival Birth</li> <li>4. Menopause Facts and Myths</li> <li>5. Missing Women Female- Selective Abortion and Infanticide</li> <li>6. Surgical Procedures Part-II The peration laproscopically- Assisted Vaginal Hysterecotmy</li> <li>7. The human body hormones</li> <li>8. Waiting for a heartbeat the battle against miscaniage</li> <li>9. Estrogen is it for Every women</li> <li>10. Overcoming infertility</li> <li>11. The Twelve- Month Pregnancy</li> <li>12. Bladder disorder interstitial Cystitis</li> <li>13. Epidural Techniques in</li> </ol>						

DESCRIPTION

	<p>Childbirth</p> <p>14. Brazelton on Parenting</p> <p>15. Human Embryology Highlights of Reproduction Prenatal Developments</p> <p>16. Human Embryology Formation of sex cells and chromosomal abnormalities Part-I</p> <p>17. Human Embryology Formation of sex cells and chromosomal abnormalities Part-II</p> <p>18. Reproductive of Sexual Cycle in the female part-II</p> <p>19. Human Embryology Reproduction Sexual cycle in the female</p> <p>20. Fertilization Cleavage and Implantation human Embryology</p> <p>21. The Development of Bone</p> <p>22. Fetal Development</p> <p>23. Pregnancy and Nutrition</p> <p>24. Coping with discomforts of pregnancy</p> <p>25. The third trimester</p> <p>26. Vaginal birth after cesarean</p> <p>27. The Miracle of birth</p> <p>28. Post partum caring</p> <p>29. Breast feeding</p>																		
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24	<p>The Gynecological Examination</p> <p><b><u>NOSE BLEED TRAINER</u></b></p> <ul style="list-style-type: none"> <li>Developed in conjunction with the ENT Department of Addenbrooke's Hospital, Cambridge</li> <li>This interactive model provides a practical test of skill for all those who are required to manage severe nose bleeding</li> <li>Strongly recommended for all ENT and Casualty departments</li> <li>For training in cautery and nose packing</li> <li>Success of cautery, at four sites on septum, identified by light panel (battery included)</li> <li>The trainee must identify the bleeding point, clear it by suction and deal with it either by nasal packing or cautery</li> </ul>			<p><b>NOSE BLEED SIMULATOR CAT</b>  <b>N. AR305</b>          Developed in conjunction with the ENT Department of Addenbrooke's Hospital, Cambridge.  <b>Skills</b>          - This interactive model provides a practical test of skill for all those who are required to manage severe nose bleeding          - Strongly recommended for all ENT and Casualty departments          - For training in cautery and nose packing          - Success of cautery, at four sites on septum, identified by light panel (battery included)          - The trainee must identify the bleeding point, clear it by suction and deal with it either by nasal packing or cautery  <b>Features</b></p>	<p><del>138,600</del>          138,600          138,600  <i>Q. V. K. J.</i></p>
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DESCRIPTION

	<p>The interior of the nose has capillary tubes for delivering artificial blood at variable rates to four sites on the septum</p> <p><b>Includes</b></p> <ul style="list-style-type: none"> <li>- Hard plastic head with soft nasal area</li> <li>- Control box and 9v battery</li> <li>- 10ml syringes (4)</li> <li>- 50 ml syringe (1)</li> <li>- AR204 Blood concentrate</li> <li>- Instruction manual</li> </ul> <p><b>Make: Adam, Rouilly-UK</b></p>					
25	<p><b>EYE RETINOPATHY TRAINER</b></p> <p>Offers excellent 'hands-on' experience and practice in the examination of eyes, and the use of an ophthalmoscope, with the emphasis on diabetic retinopathy</p> <p><b>Slides showing conditions and diseases of the Retina</b></p> <p><b>Diabetic retinopathy (According to National Screening Programmes England, Europe and WHO)</b></p>			<p><b>EYE RETINOPATHY TRAINER</b></p> <p><b>CAT . AR303</b></p> <p><b>Skills</b></p> <ul style="list-style-type: none"> <li>- Offers excellent 'hands-on' experience and practice in the examination of eyes, and the use of an ophthalmoscope, with the emphasis on diabetic retinopathy</li> <li>- The model is now supplied with a completely NEW set of images identifying conditions and diseases of the retina.</li> </ul>	<p>117,000</p> <p>117,000</p> <p><i>Deepin</i></p>	

## DESCRIPTION

<p>1. Background Diabetic Retinopathy  2. Pre-Proliferative Diabetic Retinopathy  3. Proliferative Diabetic Retinopathy  4. Maculopathy  5. Photocoagulation  6. Ungradable  <b>Common Retinal Eye Conditions</b>  7. Normal  8. Glaucoma  9. Papilloedema  10. Optic Atrophy  11. Medullated Nerve Fibres  12. Age-related Macular degeneration, dry  13. Multiple Retinal Haemorrhages  14. High Myopia  15. Hypertensive Retinopathy  <b>Less Common Retinal Conditions</b>  16. Macular Scar (Toxoplasma)  17. Retinal Detachment  18. Choroidal Naevus  19. Cytomegalovirus Retinitis  20. Central Retinal Vein Occlusion  21. Central Retinal Artery Occlusion  22. Retinal Artery Embulus (Hollenhorst Plaque)  23. Retinitis pigmentosa  24. Angioid Streaks  25. Malignant Melanoma  26. Benign Disc Naevus</p>		<p>These are shown on a set of 27 interchangeable transparencies</p> <p><b>Features</b>  The slides for use in the Retinopathy head can be placed in either the left or the right eye and are labelled accordingly</p> <p><b>Slides showing conditions and diseases of the Retina</b>  <b>Diabetic retinopathy (According to National Screening Programmes England, Europe and WHO)</b>  1. Background Diabetic Retinopathy  2. Pre-Proliferative Diabetic Retinopathy  3. Proliferative Diabetic Retinopathy  4. Maculopathy  5. Photocoagulation  6. Ungradable  <b>Common Retinal Eye Conditions</b>  7. Normal</p>		
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DESCRIPTION

<p>27. Macular haemorrhage 28. Lipaemia Retinalis</p>	<p>8. Glaucoma 9. Papilloedema 10. Optic Atrophy 11. Medullated Nerve Fibres 12. Age-related Macular degeneration, dry 13. Age-related Macular degeneration, wet 14. High Myopia 15. Hypertensive Retinopathy <b>Less Common Retinal Conditions</b> 16. Macular Scar (Toxoplasma) 17. Retinal Detachment 18. Choroidal Naevus 19. Cytomegalovirus Retinitis 20. Central Retinal Vein Occlusion 21. Central Retinal Artery Occlusion 22. Retinal Artery Embolus (Hollenhorst Plaque) 23. Retinitis pigmentosa 24. Angioid Streaks 25. Malignant Melanoma 26. Benign Disc Naevus 27. Macular haemorrhage</p> <p><b>Includes</b> _ Instruction leaflet describing details of each</p>
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					slide _ Set of 27 slides _ Make: Adam, Rouilly-UK		
Skill lab Total				3667200			3378300
Dental				Nil			21620100
Nephrology				Nil			Nil
Grand total				3667200			24998400
2% earnest money				73344			499968
Deposit earnest money				74000 (valid			500000
							valid

*Singh*

PRINCIPAL, KMDC

*JX*

DR. JAMAL SHAIK

M.S SINDH GOVERNMENT HOSPITAL

*[Signature]*

HOD PHYSIOLOGY

KMDC

*[Signature]*  
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<b>COMBINED ENGINEERS</b>		
	<b>rate</b>	<b>amount</b>
<p><b><u>DENTAL OPERATOIRY SYSTEM</u></b></p> <p><b>DENTAL UNIT:-</b>  <b>Model “ZC-S300”</b></p> <p><b>Complete Standard Set</b>  <b><u>Specification</u></b>  <b><u>DOCTOR’S TRAY</u></b></p> <p>One-piece hand pieces console easy to wipe and clean.  Soft Touch Control Panel for chair positions, cup filler,  Bowl flush, water heater, X-Ray  Illuminator &amp; Dental Light.  Swing out Swivel Balance arm with air operated tray  locking system  Handle for easy tray movement  3Hand pieces automatic our patient delivery system.  <b>Spare holder for built-in curing light &amp; camera.</b>  Swing in/out flexible balance arm.  Large instrument tray.  Rectangular air pressure gauge.  Water flow control.  Individual air pressure controls.  One 3 way syringe for doctor with quick disconnect tip  for autoclave.  3-Aseptic easy clean, tubing’s and fitting for the hand</p>	<b><u>2,89,786</u></b>	<b><u>8,693,580</u></b>

# COMBINED ENGINEERS

<p>piece straight (USA). Round disc type Air operated foot switch <b>X-Ray Viewer DC type non flicking articulating.</b></p> <p><b><u>DENTAL CHAIR</u></b></p> <ul style="list-style-type: none"><li>• Hydraulic chair 10 L/M Oil injection (Japan)</li><li>• Solenoid valve operated on 24V AC for safety.</li><li>• Comfortable arm rests. Right arm swings for patient use.</li><li>• Double articulating Head rest adjustable for neck positioning &amp; pediatric use also.</li><li>• Multi Preset Positions.</li><li>• One touch pre-set position programmable by user.</li><li>• One touch last position/ gargling position.</li><li>• One touch zero return system.</li><li>• Emergency stoppage by single touch of switch.</li><li>• Foot control for chair Up/Down and Back/forward movement.</li><li>• Smooth seamless upholstery in a large selection of colors.</li><li>• No chair movement when any hand piece in use.</li><li>• Transparent protective foot rest cover.</li></ul> <p><b><u>DENTAL LIGHT</u></b> Large Round reflector, 12V,50w, 4500K day light for perfect matching of colors, Up, Down, Back forward, and inverse Movement of the light head. Triple intensity operatable from both side touch control</p>		
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# COMBINED ENGINEERS

<p>panel &amp; Dental light On/Off Switch. Automatic On/ Off function with chair movement. Air cylinder stable to stand any position. <b><u>CUSPIDOR UNIT</u></b></p> <p><b>Glass spittoon bowl removable &amp; rotatable 180°</b> 90° rotatable Assistant Arm. Interruptible time controlled automatic cup filler(adjustable). Interruptible time controlled automatic Bowl flush.(adjustable). Strainer Basket for Bowl Solid collector / Filter for SE &amp; HVE One 3 way syringe with quick disconnect tip for autoclave. High volume evacuator (air operated) with flow control hand piece. Saliva Ejector (Water operated) with flow control hand piece. Water heater. Built-out injection purified water system. Touchpad installed on the top of the assistant table, offering the convenient control of operating light, chair positioning, and cuspidor rising</p> <p><b><u>JUNCTION BOX</u></b></p> <p>Air Filter &amp; Regulator Water Filter Air &amp; Water supply lines. Safe electrical compartment with Transformer, fuse, main Switch etc. to give output. 24 VAC for safety.</p>		
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# COMBINED ENGINEERS

Main 220/240V.  
Built in junction Box.

**Complete Standard Set.**  
**CE MARKED 0123 & CE Certified**  
**Make: FOSHAN JOIN CHAMP MEDICAL**  
**DEVICE Ce Ltd – ROC**



**COMBINED ENGINEERS**

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**COMBINED ENGINEERS**

<b><u>Dental Stool doctor side</u></b>	<b><u>9,500</u></b>	<b><u>285,000</u></b>
Doctor Stool with Full Back Model Y707-4A (ROC)		
<b><u>Dental Stool assistant Side</u></b>	<b><u>6,000</u></b>	<b><u>180,000</u></b>
Operator Stool ZC-17 (ROC) I		
<b><u>High Speed Air Turbine</u></b>	<b><u>28,000</u></b>	<b><u>840,000</u></b>
High Speied Air Turbine Hand piece Model 535B (Ultra Push) Yoshida-Japan		

# COMBINED ENGINEERS

<p><b><u>Slow Speed Air Motor</u></b></p> <p style="text-align: center;"><b>Slow Speed Air Motor Complete Set</b></p> <p style="text-align: center;"><b>Model 40C, S40 SI, S40 MI</b></p> <p style="text-align: center;"><b>Complete With Straight and Contra Attachment</b></p> <p style="text-align: center;"><b>Yoshida- Japan.</b></p>	<b><u>48,000</u></b>	<b><u>1,440,000</u></b>
<p><b><u>Ultra Sonic Scalar</u></b></p> <p><b>Piezon Scalar Built-in-Type</b></p> <p><b>Model “Compact S”</b></p> <p>Feedback system for built in circuit module keeps constant strong power.</p> <p>Regulator controls output power moderately in different quantity of tartar.</p> <p>Circuit module with digital system works more accurately.</p> <p><b>Standard Accessories:-</b></p> <p>Hand Piece (Autoclaveable).            01No</p> <p>Tip with individual tip holder.            03Nos</p> <p>Torque wrench (Autoclaveable).        01No</p> <p>Autoclaveable box.                            01No</p>	<b><u>28,750</u></b>	<b><u>2,87,500</u></b>

# COMBINED ENGINEERS

<p><b>Technical Specification:-</b></p> <ul style="list-style-type: none"> <li>• Working frequency : 24-32kHz</li> <li>• Power supply : AC 24V, 50/60Hz</li> <li>• Water supply pressure : 1-5bar</li> </ul> <p style="text-align: center;"><b>CE Certified &amp; FDA Approved</b></p> <p><b>Dmetec Korea</b></p>		
<p><b><u>Light Cure Unit LED Cordless</u></b></p> <p><b>Wireless L.E.D Curing Light.</b>  <b>Sky Light</b>  <u>Special Feature:-</u></p> <ul style="list-style-type: none"> <li>• <b>Cordless, rechargeable gun type curing light</b></li> <li>• <b>Additional slow-rise mode for thick resin and pulse mode for flow resin</b></li> <li>• <b>Multiple program strong function 1 to 5</b></li> <li>• 11mm wide guide tip for wide area curing</li> <li>• Only 2 hours charge for 360 times curing</li> <li>• Li-ion battery with long lifetime and no memory effect</li> <li>• Power indication set in charger</li> </ul> <p><b><u>Technical Specification:-</u></b></p> <p>Output intensity : 1,000mW/cm<sup>2</sup>  Power Supply : 440-490nm  Transformer : AC 100-240V, 50/60Hz</p> <p style="text-align: center;"><b>CE Certified &amp; FDA Approved</b></p> <p><b>Dmetec Korea</b></p>	<b><u>36,000</u></b>	<b><u>3,60,000</u></b>

**COMBINED ENGINEERS**

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# COMBINED ENGINEERS

<p><b><u>DIGITAL OPG WITH CEPH</u></b></p> <p><b>Model Cranex 3D Upgradable to 3D With two dedicated sensors</b></p> <p><b>Summary of Benefits:-</b></p> <ul style="list-style-type: none"> <li>• <b>2D panoramic &amp; 2D Cephalometric.</b></li> </ul> <p><b><u>DYNAMIC</u></b></p> <p>High performance with versatile range of Imaging Programs. Superior Image Quality For better Diagnostics. Highly Sensitive CMOS sensor technology. Optimized Daily Work Flow.</p> <p><b><u>DIRECT</u></b></p> <p><b>Touch Control Panel 7 inches. “Clear Touch™”</b> Clear Functionality Simplifies Operation. The SOREDEX familiar patient positioning system.</p> <p><b>AES- Automatic Exposure setting</b> Compact with small foot point.</p> <p><b>ACS- Automatic Collimator Selector.</b></p> <p><b><u>DURABLE</u></b></p> <ul style="list-style-type: none"> <li>• Robust system designed for intensive use.</li> <li>• System and Accessories.</li> <li>• Long Service Life.</li> </ul> <p><b><u>Patient Alignment</u></b></p> <ul style="list-style-type: none"> <li>• <b>Through three laser pointer to locate</b></li> <li>• Reference Plane: mid-sagittal, Frankfurt</li> <li>• Standard Examination Programs</li> <li>• Adult Panoramic/Ceph</li> <li>• Child/Panoramic/Ceph</li> <li>• TMJ Open /Close mouth</li> </ul>	<p><b><u>5,480,000</u></b></p>	<p><b><u>5,480,000</u></b></p>
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# COMBINED ENGINEERS

<ul style="list-style-type: none"><li>• Maxillary Sinus P-A</li><li>• Corpus View</li><li>• <b>Bitewing (Unique)</b></li><li>• <b>Sectional (5 sections)</b></li></ul> <p>Adult-half panoramic (right &amp; left) Child half panoramic (right &amp; left) Improved orthogonality dentition: panoramic projection limited to the dentition obtained. Frontal dentition Low dose panoramic : panoramic with reduced angle</p> <p><b><u>Stable and Accurate patient Positioning</u></b> <b><u>Alignment</u></b></p> <ul style="list-style-type: none"><li>• <b>Rigid 4- point positioning system.</b></li><li>• Easily adjustable, self locking temple support.</li><li>• <b>Familiar 3 laser light for Accurate Positioning.</b></li><li>• Support Imaging with patient in standing and /or sitting position.</li><li>• <b>Panoramic sharp layer identification</b> with moving focal trough lights</li><li>• Hinged mirror for easy positioning.</li><li>• <b>Multi Motor with digital Trajectory</b> <b>Motorized dual speed vertical movement</b> <b>Motorized dual speed horizontal movement</b> <b>Motorized chin rest</b> for 3D Positioning.</li></ul> <p><b>SOFTWARE:</b> Scanora 5.2 single user System to be supplied with a software for image acquisition, storage &amp; processing with following function.</p> <ul style="list-style-type: none"><li>▪ Image contrast adjustment</li></ul>		
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# COMBINED ENGINEERS

<ul style="list-style-type: none"><li>▪ Image brightness adjustment</li><li>▪ Gamma`factor adjustment</li><li>▪ Filter for edge enhancements, with possibility to adjust the filter level</li><li>▪ Gray scale equalization to improve the image definition</li><li>▪ Hi Contrast</li><li>▪ Embossed View</li><li>▪ Image rotation (90° &amp; 180°)</li><li>▪ Image horizontal inversion</li><li>▪ Pseudo-colors</li><li>▪ Gray scale inversion (Negative/Positive)</li><li>▪ Magnification</li><li>▪ Drawing &amp; annotation</li><li>▪ Distance measurement</li><li>▪ <b>Angle measurements</b></li><li>▪ <b>Quick Magnifier</b></li><li>▪ <b>Implant Library</b></li></ul> <p><b>VIRTUAL CONTROL PANEL:</b> GUI Guided user interference on work station/PC Screen, to set the exposure parameter directly from PC</p> <p><b><u>Image Acquisition</u></b> Direct acquisition through Ethernet connection</p> <p><b><u>Image Hardcopy</u></b> Image can be printed on any window compatible Printer Images are printed with following parameters Patient data and examination date Exposure parameters</p> <p><b><u>DICOM CONNECTIVITY</u></b> The system equipped with the “DICOM Gateway” And images can be printed on any Dicom 3 printer</p>		
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# COMBINED ENGINEERS

Minimum total filtration	3.2 mm AL		
Anode Voltage	57-90 KV		
Anode Current	4-16 mA		
<b>General</b>			
Weight	200kg h4t0qbs)		
Weight with ceph	250kg (5511bs)		
Dimensions (HxWxD)	2414x965x1404mm		
Dimensions with ceph	2414x1995x1405mm		
<b>Power Requirement</b>			
Line Voltage	220-240V/100-120V (50/60 Hz)		
<b>M/S SOREdEX- Finland</b>			

**COMBINED ENGINEERS**

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**COMBINED ENGINEERS**

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**COMBINED ENGINEERS**

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**COMBINED ENGINEERS**

		<b><u>17566080</u></b>
		<b><u>NIL</u></b>
		<b><u>NIL</u></b>
		<b><u>17566080</u></b>
		<b><u>351321.6</u></b>
		<b><u>355000</u></b>

BIOS			KARACHI MEDICAL COMPANY		
	Rate	Amount		Rate	Amount
			<p><b><u>DENTAL UNIT:</u></b></p> <p><b>DENTAL OPERATORY SYSTEM:</b>  <b>MODEL :</b> Dental Unit Chair Mounted  <b>INDUS</b>  <b>MANUFACTURER : WESTECH</b>  <b>PAKISTAN.</b></p> <p><b><u>Consisting of:</u></b></p> <p><b>DOCTOR'S TRAY/ Doctor's Unit:</b></p> <ul style="list-style-type: none"> <li>• Flexible swing over-patient well balanced arm for easy positioning /flexible balanced arm with air brake system over the patient</li> <li>• Large size, instrument tray.</li> <li>• Three tubings and fittings for (Instruments).</li> <li>• Main ON/OFF control with indicator</li> <li>• Push Control Switches with LED</li> </ul>	<b><u>5,50,000/-</u></b>	<b><u>16,500,000</u></b>

			<p>Indicator,  Indicator for X-ray illuminator, Auto Cupfiller. 3-way syringe</p> <ul style="list-style-type: none"> <li>• 3-Tubing &amp; Fitting for Instruments</li> <li>• X-Ray Illuminator.</li> <li>• Waste receptacle.</li> <li>• Individual Water &amp; Air pressure controls</li> <li>• Rectangular HP pressure indicator.</li> </ul> <p><b>DENTAL CHAIR "INDUS":</b></p> <ul style="list-style-type: none"> <li>• Fully Automatic, Motorized, Hydraulic</li> </ul> <p>Dental chair</p> <ul style="list-style-type: none"> <li>• Synchronised seat tilting with backrest movement.</li> <li>• Back Rest movement synchronises human anatomy, so no patient sliding or discomfort while changing from sitting to operating or operating to sitting position.</li> <li>• Anatomical contoured seamless upholstery</li> <li>• Upholstry colour selection from 13 shades</li> <li>• Swing out Arm rest.</li> <li>• Fully Articulating Headrest for forward, backward and upward movement.</li> <li>• Two pre-set positions</li> </ul>		
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			<ul style="list-style-type: none"> <li>● Pre-set positions programmable by user.</li> <li>● One Touch pre-set position</li> <li>● One Touch gargling position</li> <li>● One touch Zero return.</li> <li>● Hydraulic Fluid capacity 1000ml approx.</li> <li>● Solenoidal valve assembly 12VAC.</li> </ul> <p><b>DENTAL LIGHT:</b></p> <ul style="list-style-type: none"> <li>● The Dental Light is compact, well balanced and easy to move to any position.</li> <li>● Excellent light focusing pattern for patient convenience.</li> <li>● Day light, shadowless and heatless light for optimal results.</li> <li>● Dental light is very easy to keep hygienically clean.</li> <li>● This Dental light is compatible with all Dental systems.</li> <li>● Wall Mount and Mobile Stand Models are also available.</li> <li>● Light output 28000/18000 Lux.</li> <li>● Colour Temperature 4500 K.</li> <li>● Light pattern 240 x 90mm at 725mm.</li> <li>● Focal distance 725mm.</li> </ul>		
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			<ul style="list-style-type: none"> <li>• Bulb 12V, 55W.</li> <li>• Input 240/220/110V, 50/60Hz.</li> <li>• Output 12 V and 10.5 V</li> <li>• Weight 9-kg</li> </ul> <p><b>Safety Features</b></p> <ul style="list-style-type: none"> <li>• Electric 12V Limit switches to cut off Auto/manual movements at maximum/minimum positions.</li> <li>• Automatic safety oil drain to reservoir system in case of excessive pressure in cylinder.</li> <li>• No chair movement when any handpiece in use.</li> <li>• All Chair controls operate on 12V, AC.</li> <li>• Push of any Manual/Unit foot switch override the automatic movements and stops chair immediately.</li> <li>• Emergency override switch.</li> <li>• Input: AC-240/220/110V, 50/60 Hz.</li> <li>• Foot control chair movements</li> <li>• Weight 148-kg.</li> </ul> <p><b>CUSPIDOR UNIT:</b></p> <ul style="list-style-type: none"> <li>• Streamline Housing for easy cleaning.</li> <li>• One piece spittoon with solid collector Bowl</li> </ul> <p>Flush &amp; Cupfiller.</p>		
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			<ul style="list-style-type: none"> <li>● 90° / 180° rotateable spittoon for Assistant's easy access to patient.</li> <li>● Push button control with led indicator for cupfiller</li> <li>● Pressurised container for sterilized water. With on/off toggle switch.</li> <li>● Automatic cupfiller adjustable time cycle control.</li> <li>● Bowl Flush adjustable time, cycle control.</li> <li>● 3-way syringe straight</li> <li>● Saliva Ejector (Water Venturi).</li> <li>● High Volume evacuator with solid collector</li> <li>● Soft touch control panel for assistant for chair control, light control, cupfiller and bowl flush.</li> </ul> <p><b>JUNCTION BOX:</b></p> <ul style="list-style-type: none"> <li>● Air. Water inlets with filters.</li> <li>● Service water outlet.</li> <li>● Separate Electrical compartment.</li> <li>● Voltage input 240/220/110V, 50/60Hz.</li> <li>● Output voltage 24 V-AC.</li> <li>● Weight 55-Kg. (Unit)</li> </ul>		
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**BIOS**

**KARACHI MEDICAL COMPANY**

		<p><b>Doctor Stool</b></p> <p>Operating stool with adjustable height Gas spring operated. Revolving on 5 castors with back supported stool.</p> <p><b>Manufacturer : Westech, Pakistan.</b></p>	<b>21,000</b>	<b>6,30,000</b>
		<p><b>Assistant Stool</b></p> <p>Operating stool with adjustable height Gas spring operated. Revolving on 5 castors with arm supported stool.</p> <p><b>(Manufacturer : Westech, Pakistan.</b></p>	<b>17,700</b>	<b>5,31,000</b>
		<p><b>Air Turbine Hand piece (High Speed)</b> <b>Non Optic</b></p> <p>Model: Pana Max SU Ultra push Chuck, Ceramic Ball Bearing Maximum Speed 400,000 rpm Autoclave-able Clean Head System</p> <p><b>Manufacturer : NSK–Japan.</b></p>	<b>27,700</b>	<b>8,31,000</b>

		<p><b>Air Motor Ex-203C Low Speed)</b></p> <p>(Having facility to rotate the bur clockwise and anti-clockwise)                  Maximum Speed 22000 rpm (latch bur changing system) with  <b>*EX Series Straight Hand pieces "EX-6B"</b>                  For HP burs (Ø2.35), Clean Hand System  <b>*Contra Angle Hand piece "NAC-EC"</b>                  1:1 direct drive, For CA burs (Ø2.35)                  Latch type , Maximum Speed 25000 rpm  <b>Manufacturer : NSK-Japan.</b></p>	<p><b>73,900</b></p>	<p><b>2,217,000</b></p>
		<p><b>Ultrasonic Scalar</b></p> <p><b>Kit Piezon Scaling</b> (Built-in) for Dental Units with 3-tips</p> <ul style="list-style-type: none"> <li>• Consists of four piezo-ceramic discs attached to a titanium stylus.</li> <li>• OSCILLATION RATE frequencies of 27,500 and 32,000 Hz</li> <li>• Gentle treatment of sensitive patients.</li> </ul> <p><b>Manufacturer : EMS, Switzerland.</b></p>	<p><b>92,300</b></p>	<p><b>9,23,000</b></p>

		<p><b>CURING LIGHT SYSTEM "RADii" Plus</b></p> <p><b>High Powered LED Cordless Curing Light</b></p> <ul style="list-style-type: none"> <li>• Wave Length range : 440 nm 480nm</li> <li>• Peak wavelength range : 460 nm</li> <li>• RAMP mode elapsed time : 5 seconds to full intensity</li> <li>-Light intensity : 1500 mW/cm<sup>2</sup> (peak)</li> <li>• Duration of continuous use : -NO RAMP mode : 60 seconds</li> <li>-RAMP mode : 65 seconds</li> <li>• Total continuous run time with fully charged battery : 3 hours 20 minutes.</li> <li>• Dimensions : 22mm diameter x 243mm long</li> <li>• Weight : 177g/6.2 ounces</li> </ul>	<p><b>130,800</b></p>	<p><b>1,308,000</b></p>

		<ul style="list-style-type: none"> <li>● Battery : 2 x 4.2V Lithium Ion – 1400 mAh</li> <li><b>Muliti-region Plug Pack</b></li> <li>● AC Input : 100-240V ~ 1.0A, – 50-60 Hz</li> <li>● DC Output : 12V, 1.5A &amp; 15W Max</li> <li>● Dimensions -(not including region pins) : 38 mm high x 45 mm wide x 70 mm long</li> <li>● Weight : 104g / 3.65 ounces</li> <li><b>Charger</b></li> <li>● Time to charge discharged : 60 – 180 minutes</li> <li>● Operating temperature : 10° C – 40° C</li> <li>● Total heght with Handpiece inserted : 255mm</li> <li>● Dimersions : 70mm wide x 40mm long</li> <li>● Weight : 84g / 3 ounces</li> <li><b>Manufacturer : SDI – Australia.</b></li> </ul>		
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**BIOS**

**KARACHI MEDICAL COMPANY**

<p><b>Digital OPG machine with Ceph: Model: Planmeca ProMax Scara2, Digital Panoramic (Dimax) Make: Planmeca/Finland.</b></p> <p>Planmeca ProMax Scara2 X-ray unit has a unique two-joint robotic arm and provides an effective package for imaging needs. The Scara2 model of Planmeca ProMax can be easily upgraded to ProMax 3D units.</p> <p><b>Open Positioning:</b> Planmeca ProMax open positioning concept patient positioning is extremely easy. The imaging arm can be moved aside leaving the area free for the operator to observe the patient from all directions.</p> <p><b>Side Entry – East Access, Relaxed Patient:</b> The side entry allows easy access for all types of patients. The exposure can be taken the patient standing or seated or on a wheel chair.</p> <p><b>Movement Technology:</b> The Planmeca ProMax platform’s uses robotic SCARA technology to</p>	<p>4,744,000/-</p>	<p>4,744,000/-</p>	<p><b>Digital OPG machine with Ceph: <u>Model :Kodak 8000 Digital Panoramic System</u> <u>Make : Kodak Creastream Dental France</u></b></p> <p><b><u>The picture of simplicity.</u></b> Powerfully simple and surprisingly affordable, this outstanding imaging technology delivers clear, optimally exposed images in seconds. Now you can make fast, accurate diagnosis, streamline practice workflow and improve communication with patients and colleagues.</p> <p><b><u>Easier by design.</u></b> With the Kodak 8000 digital panoramic system, you do all of the image programming on your computer, using a clear, user-friendly interface. A series of easy-to-follow steps makes in fast and simple to set patient and image parameters, leaving you more time for your patients.</p> <p><b><u>Real –time diagnosis.</u></b> The Kodak 8000 system enables you to capture crystal-clear TMJ, panoramic,</p>	<p>4,615,500</p>	<p>4,615,500</p>
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**BIOS**

**KARACHI MEDICAL COMPANY**

<p>provide utterly precise arm movement needed in digital rotational radiography for maxillofacial imaging. The three-axis SCARA robotic arm moves freely without any mechanical restrictions, offering superior imaging capabilities for both existing and future technologies.</p> <p>Patient Alignment: Triple Laser beam System indicates the correct anatomical positioning points ensuring proper alignment completely eliminating the need for mirrors. Reference Plane: <b>Mid-sagittal, Frankfort</b> and <b>Focal</b> positioning beam.</p> <p><b>Standard Examination Programs:</b></p> <p>ProMax Unit provides a wide range of external Imaging modalities:</p> <ul style="list-style-type: none"> <li>• Panoramic and Cephalometry. (Child, Average Size Adult, Large Adult).</li> <li>• Panoramic Imaging for Dental Arch. (Half Panoramic L/R Views).</li> </ul>			<p>segmented panoramic and maxillary sinus images-without waiting. Results are immediate, so you can make accurate diagnosis on the spot and communicate treatment options to your patients more effectively.</p> <p><b><u>Batter comfort and safety.</u></b> Face-to-face positioning makes its easier to align your patients, keep them comfortable and minimize positioning errors. And with low radiation exposure, your staff and patients can enjoy a safer treatment environment.</p> <p><b><u>Kodak 8000 digital panoramic system features face-to-face positioning:</u></b></p> <ol style="list-style-type: none"> <li>1. Operator has better contact and control.</li> <li>2. Proper patient alignment is easier.</li> <li>3. The need for additional exposures is minimized.</li> <li>4. Patients are more relaxed.</li> </ol> <p>A smart, innovative addition to your</p>		
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## BIOS

## KARACHI MEDICAL COMPANY

<ul style="list-style-type: none"> <li>• Maxillary Sinus Imaging. (P – A)</li> <li>• Lateral Double TMJ.</li> <li>• PA Double TMJ.</li> <li>• Temporomandibular Joint Imaging. (Open/Close Mouth).</li> <li>• Horizontal and Vertical Segmenting.</li> </ul> <p><b>Included Advanced Panoramic Programs:</b></p> <ul style="list-style-type: none"> <li>• Inter-proximal.</li> <li>• Orthogonal.</li> <li>• Bitewing. (Uses very low patient dose)</li> <li>• Lateral-PA double TMJ.</li> <li>• Lateral Multi Angle TMJ.</li> <li>• PA Multi Angle TMJ.</li> <li>• PA non rotational sinus.</li> <li>• Lateral non rotational sinus.</li> <li>• Horizontal segmenting.</li> </ul> <p><b>Tomography:</b></p> <ul style="list-style-type: none"> <li>• Digital Linear Tomography.</li> <li>• Transtomography.</li> <li>• True Linear Tomography.</li> </ul> <p><b>Valuable Tools for Tomography:</b></p>			<p>practice.</p> <p>Powerful processing made simple.</p> <p>Kodak dental imaging software makes analysis easy with a number of powerful image processing capabilities. From contrast and brightness to magnification and full-screen display, you have a full range of tools at your disposal to help you get the most out of your radiographs.</p> <p><b><u>Efficient integration.</u></b></p> <p>The digital radiographs you acquire can be easily integrated into your practice management software. This allows you to share them with coworkers, colleagues and third parties, saving time and improving workflow efficiency.</p> <p><b><u>Optional Cephalometric upgrade.</u></b></p> <p>You can extend the diagnostic capabilities of the Kodak 8000 system with a digital cephalometric option that exposes</p>		
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<p>Planmeca ProMax tomography programs provides correct topographic information and all required images for the analysis, planning and follow-up of implant and surgery procedures.</p> <ul style="list-style-type: none"> <li>• Tomography system produces clear tomographic slices of any part of Maxilla, Mandible or Temporal joints.</li> <li>• Combined Tomography.</li> <li>• Cross-sectional Tomography.</li> <li>• Longitudinal Tomography.</li> </ul> <p><b>Planmeca Romexis Software 2D imaging 1 user license:</b></p> <p>The Romexis software provides all necessary tools for acquisition, storage and processing including:</p> <ul style="list-style-type: none"> <li>• Brightness, contrast and gamma adjustment.</li> <li>• Filters for edge enhancement, line detection and Spatial and gray scale equalization.</li> <li>• Image rotation and inversion.</li> </ul>			<p>standard cephalometric images in just over a second, improving patient comfort and reducing the risk of blurred images.</p> <p><b><u>Support and guidance you can count on.</u></b></p> <p>At, Kodak, we are committed to providing the ongoing guidance and support you need for a smooth, seamless transition to digital extraoral radiography. Our trained distributors and dedicated team of experts are ready too:</p> <ul style="list-style-type: none"> <li>• Consult with you and install the Kodak 8000 digital panoramic system.</li> <li>• Train you and your staff to take high-quality images from day one.</li> <li>• Answer your questions and provide exceptional ongoing service and support.</li> </ul> <p><b>Reliable Image Quality</b></p> <p>The 8000 System generates high-</p>		
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<ul style="list-style-type: none"><li>• Pseudo – Colors and Grey scale inversion.</li><li>• Magnification, measurement, drawing and annotation.</li><li>• Cephalometry Analysis.</li><li>• Superimposition of images for orthodontic treatment.</li><li>• Implant treatment planning.</li><li>• 3D views and volumetric analysis tool.</li><li>• Advance options for setting parameters and values from console and form X-ray unit at the same time.</li></ul> <p><b>Image Acquisition and Printing:</b></p> <p>Images can be sent on Ethernet through RIS and can be saved on USB or CD or other storage media. The Romexis software is based on windows platform and allows using windows compatible printer for printing options with patient preferences and exposure parameters.</p> <p><b>DICOM COMPATIBILITY:</b></p>			<p>diagnostic value panoramic X-ray images with homogenous image density—each and every time you use it. Use the sharpness filter to gain a better perspective of opaque areas, or take advantage of the highlight effect to clearly visualize the most important clinical details. It's a perfect solution for all your basic extraoral imaging needs.</p> <p><b>Comprehensive Image Software</b></p> <p>What good are images if you can't access them? Fortunately, the 8000 System integrates seamlessly with our easy-to-use integrated imaging software, so you can easily view and edit your panoramic X-ray images directly on your PC monitor.</p> <p><b>Real Time Diagnosis</b></p> <p>Waiting for panoramic X-ray images is a thing of the past. With the 8000 System, they're literally only seconds away. Expose TMJ, panoramic, segmented panoramic, and maxillary sinus images in a single shot, and then access them in just over a second.</p> <p><b>Truly Seamless Integration</b></p>		
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<p>The images are DICOM 3 compatible and are equipped with DICOM GATEWAY.</p> <p>DICOM Import/Export DICOM DIR Media Storage DICOM Print SCU DICOM Storage SCU DICOM Worklist SCU DICOM Query/Retrieve DICOM Storage Commitment DICOM MPPS</p> <p><b><u>Interfaces:</u></b></p> <p>TWAIN Client PMBridge (patient information and images) VDDS (patient information and images) InfoCarrier (patient information) Datagate (patient and user information)</p> <p><b>Technical Specification:</b></p> <p><b><u>Generator:</u></b> Constant potential, resonance mode high Frequency 80–150 kHz</p>			<p>With our innovative practice management software solutions, all of your 8000 System images can be easily integrated into your software and instantly viewed on any computer in your office—even chairside.</p> <p><b>Easier, Accurate Positioning</b></p> <p>Unlike other digital panoramic x-ray systems, the 8000 System is designed for face-to-face positioning to make exams easier and faster than ever. Meanwhile, the unit's open, compact footprint is easily accessible to wheelchairs—ensuring maximum comfort for each and every patient.</p> <p><b>User Friendly</b></p> <p>Thanks to a clear computer interface, you can now perform all of your acquisition programming directly on your PC. Everything you need is right at your fingertips, so you can quickly set patient parameters, adjust exposure settings, and prepare exams. With such intuitive icons and menus, even new team members are sure to find it easy to use.</p> <p style="text-align: center;"><b>TECHNICAL SPECIFICATIONS</b></p>		
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<p><b><u>X-ray tube:</u></b> D-054SB-P</p> <p><b><u>Focal spot size:</u></b> 0.5 x 0.5 mm (IEC 336)</p> <p><b><u>Total filtration min:</u></b> 2.5 mm Al equivalent</p> <p><b><u>Anode voltage:</u></b> 50–84 kV</p> <p><b><u>Anode current:</u></b> 0.5–16 mA DC</p> <p><b><u>Automatic Collimation and Soft tissue filter:</u></b></p> <p>Motorized collimator for selection of panoramic and ceph collimation and soft tissue filter for tissue adjustment.</p> <p><b><u>Exposure time:</u></b>  <b>Pan:</b> 2.7–16 s  <b>Ceph:</b> 0.2–19 s  <b>Tomo:</b> 3–24 s / frame</p> <p><b><u>SID:</u></b>  <b>Pan:</b> 500 mm (19 in.)  <b>Ceph:</b> 163–170 cm (64–67 in.)</p>			<table border="1"> <tr> <td>Generator</td> <td>High Frequency (max of 140 kHz)</td> </tr> <tr> <td>Focal Spot Size</td> <td>0.5 mm (IEC 336)</td> </tr> <tr> <td>Total Filtration</td> <td>&gt; 2.5 mm eq.Al</td> </tr> <tr> <td>Tube Voltage</td> <td>60-90 KV (max)</td> </tr> <tr> <td>Tube Current</td> <td>2-15 mA</td> </tr> <tr> <td>Line Voltage</td> <td>230-240 V/ 50 Hz</td> </tr> <tr> <td rowspan="4">Exposure Time in (seconds)</td> <td>Adult Panoramic : 13.9</td> </tr> <tr> <td>Pediatric Panoramic : 13.2</td> </tr> <tr> <td>Maxillary Sinus : 10.7</td> </tr> <tr> <td>Lateral TMJ, 2 sections: 4.6</td> </tr> <tr> <td></td> <td>Lateral TMJ, 4 sections: 9.2</td> </tr> <tr> <td>Magnification</td> <td>Panoramic : 1.27</td> </tr> <tr> <td>Gray Scale</td> <td>16384 (14 bits)</td> </tr> <tr> <td>Matrix Dimensions</td> <td>64x1348 Pixels</td> </tr> <tr> <td>Image Field</td> <td>Panoramic : 6.1x129.4 mm</td> </tr> </table>	Generator	High Frequency (max of 140 kHz)	Focal Spot Size	0.5 mm (IEC 336)	Total Filtration	> 2.5 mm eq.Al	Tube Voltage	60-90 KV (max)	Tube Current	2-15 mA	Line Voltage	230-240 V/ 50 Hz	Exposure Time in (seconds)	Adult Panoramic : 13.9	Pediatric Panoramic : 13.2	Maxillary Sinus : 10.7	Lateral TMJ, 2 sections: 4.6		Lateral TMJ, 4 sections: 9.2	Magnification	Panoramic : 1.27	Gray Scale	16384 (14 bits)	Matrix Dimensions	64x1348 Pixels	Image Field	Panoramic : 6.1x129.4 mm		
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<p><b><u>Magnification:</u></b> <b>Pan constant:</b> 1.2 <b>Ceph:</b> 1.08–1.13</p> <p><b><u>CCD pixel size:</u></b> 48 µm</p> <p><b><u>Image pixel size:</u></b> 48/96/144 µm selectable</p> <p><b><u>Gray Levels:</u></b> 17 bit, 131072 grey levels.</p> <p><b><u>CCD active surface:</u></b> <b>Pan:</b> 6 x 147 mm <b>Ceph:</b> 6 x 295 mm</p> <p><b><u>Resolution (digital):</u></b> <b>Pan max:</b> 9 lp/mm <b>Ceph max:</b> 5.7 lp/mm</p> <p><b><u>Image field (digital):</u></b> <b>Pan:</b> 14 x 30 cm (5.5 x 12 in.) <b>Ceph:</b> 24/27 x 18/30 cm (9/10.6 x 7/11.8 in.)</p> <p><b>File size, uncompressed (digital):</b> <b>Pan:</b> 4–33 MB <b>Ceph:</b> 7–16 MB</p> <p><b>Line voltage:</b> 100–240 V, 50 or 60</p>					
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Hz Regulation Automatic: $\pm 10\%$ Line current: 8–16 A Color: White (RAL 9016)					
		<b>4744000</b>			<b>27555500</b>
		<b>Nil</b>			<b>Nil</b>
		<b>2162000</b>			<b>5178850</b>
		<b>6906000</b>			<b>32734350</b>
		<b>138120</b>			<b>654687</b>
		<b>139000</b>			<b>705000</b>

ATIF BROTHERS		S.M TRADING CO.			
	Rate	Amount		rate	Amount
<b>DENTAL UNIT:</b>	<b>2,85,000</b>	<b>85,50,000</b>			
<b>DENTAL OPERATORY SYSTEM</b>					
<b>Model: Chair Mounted MATE</b>					
<b>Digital:</b>					
<b>Manufacturer : Westech Pakistan.</b>					
<b>Consisting of:</b>					
<b>DOCTOR'S TRAY/ Doctor's Unit:</b>					
Flexible well balanced swing arm over patient type /					
Flexible balanced arm with air brake system over the patient					
3 tubing & fitting for hand pieces					
1 x 3-way syringe					
detachable/autoclaveable tip					
Foot control (air operated). Dental size X-ray viewer					
Digital/touch control panel for Chair control, 2-preset position, Gargling					

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<p>position, Preset programming switch, Zero position, x-ray illuminator, auto cup filler bowl flash, water flow control, light control and key pad lock Rectangular pressure indicator and Individual air pressure controls Instruments tray Waste receptical</p> <p><b>DENTAL CHAIR:</b> Fully hydraulic dental chair cantilever system with limits switch (up, down, backward, forward) Minimum height: 43cm Maximum height: 76cm. Adjustable double articulated head rest (up, down, backward, forward) finger touch with smooth movements (for adult &amp; pediatric) Two preset position One touch auto zero position Emergency stop by single touch of switch. Solenoidal valve operated on 24V AC for safety. The chair is locked while an instrument is working. Synchronised seat tilting with backrest movement Back rest adjustment angle from seat 90° to 185° at 0 position Slim Backrest movement synchronises human anatomy</p>					
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<p>Comfortable arm rests (moveable right arm) Seamless Upholstry in wide colors range. 220V 50 Hz.</p> <p><b>DENTAL LIGHT:</b> Day light manual ON/OFF shadow less, heatless and sharp Rectangular slit, ideal for dentistry as well Patient comfort. The dental light is compact, well balanced and easy to move (up, down, backward, forward). Inverse movement of light head. Excellent light focusing pattern for patient Convenience. Dental light is easy to keep hygienically clean. This dental light is compatible with all dental intensity. Light output 28000/ 18000 Lux dual intensity. Colour Temperature 4500K/<math>\pm</math> 5%. 12V, 55 W</p> <p><b>CUSPIDOR UNIT:</b> 180° rotateable, removable and washable spittoon with solid Collector Automatic Bowl flush Time controlled automatic adjustable Cup filler. Soft touch control panel for assistant for chair control, light control, cupfiller</p>					
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<p>and bowl flush. Pressure water bottle HVE (air operated) with HVE kit Saliva ejector Air operated.</p> <p><b>JUNCTION BOX (built-in):</b> Air. Water, supply lines. Water filter, air filter. Safe electrical compartment with transformer, fuse, main switch etc; to give output 24 V-AC for safety, Main 220/240.</p>					
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<p><b>Doctor Stool</b> Operating stool with adjustable height Gas spring operated. Revolving on 5 castors with back supported stool. <b>Manufacturer: Westech, Pakistan.</b></p>	<p><b>17,850</b></p>	<p><b>535,500</b></p>			
<p><b>Assistant Stool</b> Operating stool with adjustable height Gas spring operated. Revolving on 5 castors with arm supported stool. <b>Manufacturer: Westech, Pakistan.</b></p>	<p><b>15,000</b></p>	<p><b>450,000</b></p>			
<p><b>Air Turbine Hand piece (High Speed) Non Optic</b> Model: Pana Max SU Ultra push Chuck, Ceramic Ball Bearing Maximum Speed 400,000 rpm Autoclave-able Clean Head System <b>Manufacturer : NSK–Japan.</b></p>	<p><b>25,000</b></p>	<p><b>7,50,000</b></p>	<p><b><u>High Speed Air Turbine</u></b> Borden type press button chuck system Maximum rotation 330.000 rpm power : 11W USA</p>	<p><b>24,250</b></p>	<p><b>7,27,500</b></p>

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<p><b>Air Motor Ex-203C Low Speed)</b>                  (Having facility to rotate the bur clockwise and anti-clockwise)                  Maximum Speed 22000 rpm (latch bur changing system) with  <b>*EX Series Straight Hand pieces "EX-6B"</b>                  For HP burs (Ø2.35), Clean Hand System  <b>*Contra Angle Hand piece "NAC-EC"</b>                  1:1 direct drive, For CA burs (Ø2.35)                  Latch type , Maximum Speed 25000 rpm  <b>Manufacturer : NSK–Japan.</b></p>	<p><b>65,700</b></p>	<p><b>19,71,000</b></p>	<p><b><u>Slow Speed Air Motor</u></b>                  Speed:22000 rpm stationary Torque:4W                  Along with straight hand piece 1:1                  Contra angle hand piece 1:1                  USA</p>	<p><b>67,900</b></p>	<p><b>20,37,000</b></p>
<p><b>Ultrasonic Scalar</b>  <b>Kit Piezon Scaling</b> (Built-in) for Dental Units with 3-tips  <ul style="list-style-type: none"> <li>• Consists of four piezo-ceramic discs attached to a titanium stylus.</li> <li>• OSCILLATION RATE frequencies of 27,500 and 32,000 Hz</li> <li>• Gentle treatment of sensitive patients.</li> </ul> <b>Manufacturer: EMS, Switzerland.</b></p>	<p><b>85,700</b></p>	<p><b>8,57,000</b></p>	<p><b><u>Ultrasonic Scalar</u></b>                  With 3tips system working frequency 28000 ÷ 31000 Hz                  Aytoclaveable hand piece torque wrench with autoclaveable tips stand                  Italy</p>	<p><b>79,300</b></p>	<p><b>7,93,000</b></p>

<p><b>CURING LIGHT SYSTEM "RADii" Plus</b></p> <p><b>High Powered LED Cordless Curing Light</b></p> <ul style="list-style-type: none"> <li>●Wave Length range : 440 nm 480nm</li> <li>●Peak wavelength range : 460 nm</li> <li>●RAMP mode elapsed time : 5 seconds to full intensity</li> <li>-Light intensity: 1500 mW/cm<sup>2</sup> (peak)</li> <li>●Duration of continuous use :</li> <li>-NO RAMP mode : 60seconds</li> <li>-RAMP mode : 65seconds</li> <li>●Total continuous run time with fully charged battery : 3 hours 20 minutes.</li> <li>●Dimensions : 22mm diameter x 243mm long</li> <li>●Weight : 177g/6.2 ounces</li> <li>●Battery: 2 x 4.2V Lithium Ion – 1400mAh</li> </ul> <p><b>Muliti-region Plug Pack</b></p> <ul style="list-style-type: none"> <li>●AC Input : 100-240V ~ 1.0A, – 50-60Hz</li> <li>●DC Output : 12V, 1.5A &amp; 15W Max</li> <li>●Dimensions</li> <li>-(not including region pins) : 38 mm high</li> </ul>	<b>1,21,450</b>	<b>12,14,500</b>	<p><b><u>LED Light Cure Cordless</u></b></p> <p>High power LED, purely dental blue light</p> <p>Digital display, adjustable work time</p> <p>Multiple working modules: high power, pulse, soft up</p> <p>High capacity rechargeable Li-ion battery</p> <p>low battery detection</p> <p>Low-power,long standby time</p> <p>Over-temperature protection</p> <p>Technical :</p> <p>Adaptor working voltage : AC100-240V, 50-60HZ</p> <p>Wavelength: 420nm-480nm</p> <p>Light power: more than 1200mW/cm<sup>2</sup></p> <p><b>Gnatus –Latin America</b></p>	<b>43,700</b>	<b>4,37,000</b>

<p>x 45 mm wide x 70 mm long ●Weight : 104g / 3.65 ounces</p> <p><b>Charger</b> ●Time to charge discharged : 60 – 180 minutes ●Operating temperature: 10° C – 40° C ●Total height with Handpiece inserted : 255mm ●Dimensions : 70mm wide x 40mm high x 130mm long ●Weight : 84g / 3 ounces <b>Manufacturer : SDI – Australia.</b></p>					
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<p><b>Digital OPG machine with Ceph</b>  <b><u>Model : Kodak 8000</u></b>  <b><u>Make : Creastream kodak France</u></b>  <b><u>Digital Panoramic System</u></b></p> <p><b><u>The picture of simplicity.</u></b>          Powerfully simple and surprisingly affordable, this outstanding imaging technology delivers clear, optimally exposed images in seconds. Now you can make fast, accurate diagnosis, streamline practice workflow and improve communication with patients and colleagues.</p> <p><b><u>Easier by design.</u></b>          With the Kodak 8000 digital panoramic system, you do all of the image programming on your computer, using a clear, user-friendly interface. A series of easy-to-follow steps makes in fast and simple to set patient and image parameters, leaving you more time for your patients.</p> <p><b><u>Real –time diagnosis.</u></b>          The Kodak 8000 system enables you to capture crystal-clear TMJ, panoramic, segmented panoramic and maxillary</p>	<p><b>46,15,500</b></p>	<p><b>46,15,500</b></p>	<p><b>Digital Panoramic + Cephalometric</b>  <b>Model: PaX-i SC</b></p> <p>Function : Panoramic + Cephalometric          Sensor Type : CMOS          Focal Spot 0.5mm          Gray Scale 14bit          Scan Time Pano: HD 13.5 sec / Normal 10.1 sec          Ceph: Scan 12.9 sec / One-Shot 0.9 sec          Generator Voltage : 50~90 kVp / Current : 4~10 mA          Patient Position Standing / Wheel-chair Accessible</p> <p><b><u>PRODUTS FUNCTION</u></b></p> <p>1. Ear Rods          Secures the patient's head during CEPH imaging.</p> <p>2. Nasal Positioner          A) Positions the patient during CEPH imaging.          B) The ruler for use to compensate the acquired image that is different from actual size.</p> <p>3. LED Lamp          Indicates current exposure activity. (Green = Ready, Orange = X-Ray On)</p> <p>5. Temple Support          Supports the patient's temples during PANO scan.</p> <p>6. Chin Support          Supports the patient's chin during imaging.</p> <p>7. Column Up/Down Button          Moves the Column up/down</p> <p>7_1. Laser Beam On/Off Button</p>	<p><b>63,06,000</b></p>	<p><b>63,06,000</b></p>
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**ATIF BROTHERS**

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<p>sinus images-without waiting. Results are immediate, so you can make accurate diagnosis on the spot and communicate treatment options to your patients more effectively.</p> <p><b><u>Batter comfort and safety.</u></b> Face-to-face positioning makes it easier to align your patients, keep them comfortable and minimize positioning errors. And with low radiation exposure, your staff and patients can enjoy a safer treatment environment.</p> <p><b><u>Kodak 8000 digital panoramic system features face-to-face positioning:</u></b></p> <ol style="list-style-type: none"> <li>1. Operator has better contact and control.</li> <li>2. Proper patient alignment is easier.</li> <li>3. The need for additional exposures is minimized.</li> <li>4. Patients are more relaxed.</li> </ol> <p>A smart, innovative addition to your</p>			<p>Turn the laser beam on / off</p> <p>8. Emergency Switch Cuts off all power to the equipment in case of emergency. Its primary function is to protect the patient from severe injury and the equipment from damage.</p> <p>9. Telescopic Column Moves the column up or down for patient positioning.</p> <p>11. Handle Frame Held firmly by the patient during imaging to stabilize his / her position.</p> <p><b>VATECH – Korea</b></p>		
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<p>practice.</p> <p>Powerful processing made simple.</p> <p>Kodak dental imaging software makes analysis easy with a number of powerful image processing capabilities. From contrast and brightness to magnification and full-screen display, you have a full range of tools at your disposal to help you get the most out of your radiographs.</p> <p><b><u>Efficient integration.</u></b></p> <p>The digital radiographs you acquire can be easily integrated into your practice management software. This allows you to share them with coworkers, colleagues and third parties, saving time and improving workflow efficiency.</p> <p><b><u>Optional Cephalometric upgrade.</u></b></p>					
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<p>You can extend the diagnostic capabilities of the Kodak 8000 system with a digital cephalometric option that exposes standard cephalometric images in just over a second, improving patient comfort and reducing the risk of blurred images.</p> <p><b><u>Support and guidance you can count on.</u></b></p> <p>At, Kodak, we are committed to providing the ongoing guidance and support you need for a smooth, seamless transition to digital extraoral radiography. Our trained distributors and dedicated team of experts are ready too:</p> <ul style="list-style-type: none"><li>• Consult with you and install the Kodak 8000 digital panoramic system.</li><li>• Train you and your staff to take high-quality images from day one.</li></ul>					
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<ul style="list-style-type: none"><li>• Answer your questions and provide exceptional ongoing service and support.</li></ul> <p><b>Reliable Image Quality</b></p> <p>The 8000 System generates high-diagnostic value panoramic X-ray images with homogenous image density—each and every time you use it. Use the sharpness filter to gain a better perspective of opaque areas, or take advantage of the highlight effect to clearly visualize the most important clinical details. It's a perfect solution for all your basic extraoral imaging needs.</p> <p><b>Comprehensive Image Software</b></p> <p>What good are images if you can't access them? Fortunately, the 8000 System integrates seamlessly with our easy-to-use integrated imaging software, so you can easily view and edit your panoramic X-ray images directly on your PC monitor.</p> <p><b>Real Time Diagnosis</b></p> <p>Waiting for panoramic X-ray images is</p>					
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a thing of the past. With the 8000 System, they're literally only seconds away. Expose TMJ, panoramic, segmented panoramic, and maxillary sinus images in a single shot, and then access them in just over a second.

**Truly Seamless Integration**

With our innovative practice management software solutions, all of your 8000 System images can be easily integrated into your software and instantly viewed on any computer in your office—even chairside.

**Easier, Accurate Positioning**

Unlike other digital panoramic x-ray systems, the 8000 System is designed for face-to-face positioning to make exams easier and faster than ever. Meanwhile, the unit's open, compact footprint is easily accessible to wheelchairs—ensuring maximum comfort for each and every patient.

**User Friendly**

Thanks to a clear computer interface,

you can now perform all of your acquisition programming directly on your PC. Everything you need is right at your fingertips, so you can quickly set patient parameters, adjust exposure settings, and prepare exams. With such intuitive icons and menus, even new team members are sure to find it easy to use.

<b>TECHNICAL SPECIFICATIONS</b>	
Generator	High Frequency (max of 140 kHz)
Focal Spot Size	0.5 mm (IEC 336)
Total Filtration	> 2.5 mm eq.Al
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Tube Current	2-15 mA
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	Pediatric Panoramic : 13.2
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	Lateral TMJ, 4 sections: 9.2					
Magnification	Panoramic : 1.27					
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Matrix Dimesions	64x1348 Pixels					
Image Field	Panoramic : 6.1x129.4 mm					

**ATIF BROTHERS**

**S.M Trading Co.**

			<b>18943500</b>			<b>10300500</b>
			<b>NIL</b>			<b>NIL</b>
			<b>NIL</b>			<b>NIL</b>
			<b>18943500</b>			<b>10300500</b>
			<b>378870</b>			<b>206010</b>
			<b>470000</b>			<b>258000</b>



# KARACHI MEDICAL & DENTAL COLLEGE

## KARACHI METROPOLITAN CORPORATION

### TENDER FOR THE EQUIPMENTS FOR DENTAL / NEPHROLOGY & SKILL LAB DEPARTMENT FOR KMDC

#### FINANCIAL BID

S.No.	Description	Qty	UNIVERSAL ENTERPRISES		GLOW PAK INTERNATIONAL			
			Rate	Amount	Rate	Amount		
01	<p><b><u>DENTAL UNIT:-</u></b></p> <p><b><u>DENTAL OPERATORY SYSTEM</u></b>  <b><u>CONSISTING OF:-</u></b>  <b><u>DOCTOR'S TRAY</u></b></p> <ul style="list-style-type: none"> <li>- 3 Hand pieces over the patient Delivery automatic system.</li> <li>- Flexible balance arm with air brake system.</li> <li>- Rectangular air pressure gauge.</li> <li>- Water flow control.</li> <li>- Individual air pressure controls.</li> <li>- One 3-way syringe for doctor</li> <li>- 3-Aseptic easy clean, tubing's and fittings for the hand pieces.</li> </ul> <p><b>(Japan, USA, UK, EUROP) or Equivalent</b></p> <ul style="list-style-type: none"> <li>- Air operated foot switch.</li> <li>- X-Ray Viewer compatible with the unit.</li> </ul> <p>Control panel with touch pad</p>	30 Nos	<p><b><u>DENTAL UNIT COMPLETE (230V)</u></b>  <b><u>MODEL : AM 9018</u></b></p> <ul style="list-style-type: none"> <li>-International doctor table</li> <li>-Assistant instrument table PLUS type with double – jointed arm.</li> <li>-2 module with inox 3-way syringe</li> <li>-Module with 4-holes Midwest connection 3 set</li> <li>-Reserve scaler system connection 1 set</li> <li>-Water saliva ejector</li> <li>-Air suction with filter and single hose</li> <li>-Autonomous system for hygiene and water supply with by-pass.</li> <li>-Cup filler warm water application</li> <li>-Vis-2008 (230V) hydraulic</li> </ul>	9,98,000/-	29,940,000/-	<p><b><u>DENTAL OPERATORY SYSTEM</u></b></p> <p><b>Model:</b> Prudent Plus  <b>Consisting of:-</b>  <b>DOCTOR'S TRAY</b></p> <ul style="list-style-type: none"> <li>- 3 Hand pieces over the patient Delivery automatic system.</li> <li>- Flexible balance arm with air brake system.</li> <li>- Rectangular air pressure gauge.</li> <li>- Water flow control.</li> <li>- Individual air pressure controls.</li> <li>- One 3-way syringe for doctor</li> <li>- 3-Aseptic easy clean, tubing and fittings</li> </ul> <p>For the hand pieces. <b>(USA)</b></p> <ul style="list-style-type: none"> <li>- Air operated foot switch.</li> <li>- X-Ray Viewer LED type compatible with the unit.</li> </ul> <p>Control Panel with touch pad having following functions</p> <ul style="list-style-type: none"> <li>Chair control</li> <li>2-preset Positions</li> <li>Gargling position</li> <li>Preset Programming switch</li> <li>Zero position</li> </ul>	373,770/-	11,213,100/-

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<p>having following functions</p> <ul style="list-style-type: none"> <li>- Chair control</li> <li>- 2-preset</li> <li>- Gargling position</li> <li>- Preset programming switch</li> <li>- Zero position</li> <li>- X-ray viewer</li> <li>- Dental light control</li> <li>- Bowl flush</li> <li>- Cup filler</li> <li>- Keypad lock</li> </ul> <p><b><u>DENTAL CHAIR</u></b>          - hydraulic chair. <b>10 L/M Oil injection, (Japan, USA, UK, EUROP) or Equivalent</b></p> <p>-Comfortable arm rests. Right arm moveable.          -Headrest adjustable for Pediatric use also          -2 preset memory          -Auto Zero position          -Emergency stoppage by single touch of switch.          -Solenoid valve operated on 24V AC for safety.          -Up/down and back/forward movements.</p>	<p>patient chair with large backrest and two armrests          -Upholstery kit VIS ( large backrest, headrest, seat)          -Top operating lamp mounted on dental unit</p> <p><b>Manufactured by : Newtech Medical- USA</b></p>			<p>X-ray viewer          Dental Light control          Bowl Flush          Cup filler          Keypad lock</p> <p><b>DENTAL CHAIR</b>          -Hydraulic chair. 10 L/M Oil injection, <b>(Japan)</b>          -Comfortable arm rests. Right arm moveable.          -Headrest adjustable for Pediatric use also          -2 preset memory          -Auto Zero position          -Emergency stoppage by single touch of switch.          -Solenoid valve operated on 24V AC for safety.          -Up/down and back/forward movements.          -Smooth seamless up holstery in a large selection of colors.          220V, 50 Hz          Built in junction box.</p> <p><b>DENTAL LIGHT</b>          -12V, 50W, 4500°K day light for perfect matching of colors.          -Up, down, back, forward and inverse movements of the light head</p> <p><b>CUSPIDOR UNIT</b>          - 180° relatable removable and washable spittoon.</p>		
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**DESCRIPTION**

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**GLOW PAK INTERNATIONAL**

<p>-Smooth seamless up holstery in a large selection of colors. 220V, 50 Hz Built in junction box.</p> <p><b><u>DENTAL LIGHT:</u></b> -12V, 50W, 4500°K day light for perfect matching of colors. -Up, down, back, forward and inverse movements of the light head</p> <p><b><u>CUSPIDOR UNIT</u></b> - 180° relatable removable and washable spittoon. -Time controlled automatic adjustable cup filler. -Bowl Flush.(automatic) -Saliva Ejector (Air operated). HVE (Air operated) with HVE kit (Belmount Type) Control panel with touch pad having following functions. -Chair control -Light control -Cup filler -Bowl flush <u>Pressurized water container</u></p> <p><b><u>JUNCTION BOX</u></b> -Air, Water, supply lines. - water filter, air filter</p>					<p>-Time controlled automatic adjustable cup filler. -Bowl Flush. -Saliva Ejector (Air operated). HVE (Air operated) Control panel with touchpad having following functions: - Chair control - Light control - Cup filler - Bowl Flush. Pressurized water container</p> <p><b><u>JUNCTION BOX</u></b> -Air, Water, supply lines. -Water Filter -Safe electrical compartment with Transformer, fuse, main switch etc to give output. 24 VAC for safety Main 220/240V</p>		
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**DESCRIPTION**

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**GLOW PAK INTERNATIONAL**

	<p>-Safe electrical compartment with Transformer, fuse, main switch etc to give output. 24 VAC for safety Main 220/240V</p>							
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**DESCRIPTION**

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1(a)	<p><b><u>Dental stool doctor side</u></b>                      -Operating stool with adjustable height gas spring operated                      -Revolving on 5 castors, with back support.</p>	30 Nos	<p><b><u>Doctor stool – Imported</u></b></p>	Included in dental unit		<p><b>Dental stool doctor side</b>                      -Operating stool with adjustable height gas spring operated                      -Revolving on 5 castors, with back support.</p>	10,500/-	315,000/-
1(b)	<p><b><u>Dental stool assistant side</u></b>                      -Operating stool with adjustable height gas spring operated                      -Revolving on 5 castors, with arm.  <b>Make: (Local Made )or Equivalent</b></p>	30 Nos	<p><b><u>Assistant stool- Local</u></b></p>	Included in dental unit		<p><b>Dental stool assistant side</b>                      -Operating stool with adjustable height gas spring operated                      -Revolving on 5 castors, with arm.  <b>Make: GLOW PAK</b></p>	11,500/-	345,000/-
1(c)	<p><b><u>High Speed Air Turbine</u></b>                      Borden Type Press Button Chuck System Maxium rotation 330,000 rpm                      Power : 11 W    <b>(UK,USA,EUROPE,JAPAN) or Equivalent</b></p>	30 Nos	<p><b><u>High speed air turbine</u></b>                      Medical air compressor (HK-4EW-65L)</p>	156,960/	4,708,800/-	<p><b>High Speed Air Turbine</b>  <b>Model: TE95 BC</b>                      Borden Type Press Button Chuck System                      Maximum rotation 330,000 rpm                      Power: 12W    <b>Make: W&amp;H-Austria</b></p>	27,000/-	810,000/-

**DESCRIPTION**

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1(d)	<p><b><u>Slow Speed Air Motor</u></b>                  Speed: 20000 rpm                  Stationary Torque: 4w                  Along with Straight hand piece attachment 1:1                  Contra angle hand piece attachment 1:1                  Latch bur changing system  <b>(UK,USA,EUROPE,JAPAN) Or Equivalent</b></p>	30 Nos	<p><b><u>Low speed air motor</u></b>                  Imported 4 hole low speed air motor hand piece</p>	91,260/-	2,737,800/-	<p><b>Slow Speed Air Motor</b>   <b>Model:</b> RC 2LS BC                   Speed: 25000 rpm                  Stationary Torque: 4W                  Max. Power: 20W  <b>Along with</b>                  Straight hand piece attachment 1:1                  Contra angle hand piece attachment 1:1                  Latch type bur changing system  <b>Make: W&amp;H-Austria</b></p>	44,100/-	1,323,000
1(e)	<p><b><u>Ultrasonic Scalar</u></b>                  With 3 tips system                  Working frequency 24000 to 29,500Hz                  Autoclavable hand piece                  Bur changing dynamomateric wrench tips with autoclabavable tip stand   <b>Built in kit (UK,USA,EUROPE,JAPAN) or Equivalent</b></p>	10 Nos	<p><b><u>Ultrasonic scalar</u></b>                  Scalar ( EMS built-in-imported)</p>	143,640/	1,436,400/-	<p><b>Ultrasonic Scalar</b> (Built in kit)   <b>Model:</b> Compact Piezo                   With 3 tips system                  Working Frequency 24000 to 29,500Hz                  Autoclavable Hand piece                  Bur changing dynamomateric wrench                  Tips with autoclabavable tip stand  <b>Make: Mectron-Itlay</b></p>	72,000/-	7,20,000/

**DESCRIPTION**

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**GLOW PAK INTERNATIONAL**

1(f)	<p><b><u>Light Cure Unit LED Cordless</u></b></p> <p>Cordless LED curing lamp for flexible use that can be taken from one room to the other. With lithium-ion battery to for 320 cycles of 10 seconds each in succession and recharging no more than 90 minutes.</p> <p>Two operating modes : “Fast-Curing” and “Slow Rise” (soft start).</p> <p><b><u>Technical Specifications:</u></b>                  Size (L x O in mm) : 198x22.5,                  Weight : 105 g                  Light Source : 5 W LED with patented optical focusing                  Wavelength Range : 440-480 nm with peak at 460 nm                  Fiber glass light guide : Ø 8 mm, can be sterilized at 135°C                  Light Intensity : Ø 8 mm light guide &gt; 1.000 m W/cm<sup>2</sup></p>	10 Nos	<p><b><u>Light cure unit LED cordless</u></b></p> <p>LED curing light ( built-in-imported)</p>	77,580/-	7,75,800/-	<p><b>Light Cure Unit LED Cordless</b>  <b>Model:</b> Starlight PRO</p> <p>Cordless LED curing lamp for flexible use that can be taken from one room to the other. With lithium-ion battery to for 320 cycles of 10 seconds each in succession and recharging no more than 90 minutes.</p> <p>Two operating modes : “Fast-Curing” and “Slow Rise” (soft start).</p> <p><b>Technical Specifications:</b>                  Size (L x O in mm) : 198x22.5,                  Weight : 105 g                  Light Source : 5 W LED with patented optical focusing                  Wavelength Range : 440-480 nm with peak at 460 nm                  Fiber glass light guide : Ø 8</p>	59,400/-	5,94,000/



**DESCRIPTION**

**UNIVERSAL ENTERPRISES**

**GLOW PAK INTERNATIONAL**

<p>Working life of LED : 2.500.000 cycles, 10 seconds each Battery : Lithium –ion battery (no memory effect) Battery Capacity : 320 cycles, 10 secs each Recharging time : about 90 mins <b>(UK,USA,EUROPE,JAPAN) or Equivalent</b></p>					<p>mm, can be sterilized at 135°C Light Intensity : Ø 8 mm light guide &gt; 1.000 m W/cm<sup>2</sup> Working life of LED : 2.500.000 cycles, 10 seconds each Battery : Lithium –ion battery (no memory effect) Battery Capacity : 320 cycles, 10 secs each Recharging time : about 90 mins <b>Make: Mectron-Itlay</b></p>		
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**DESCRIPTION**

**UNIVERSAL ENTERPRISES**

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1(g)	<b><u>DIGITAL OPG WITH CEPH</u></b>	01	<b><u>OPG DIGITAL with CEPH</u></b>	<b><u>4,751,50</u></b>	<b><u>4,751,500/-</u></b>	<b><u>Digital OPG with Ceph</u></b>	<b><u>6,300,000/</u></b>	<b><u>6,300,000/</u></b>
	<p><b>With two dedicated sensors (one for Panoramic and one for CEPH Imaging)</b>  <b>UPGRADABLE TO 3D Dental Imaging System</b>  <b>Movement Technology</b>                  Multi-motor with digital trajectory  <b>Patient Alignment</b>                  Through Two Laser pointers to locate Reference plane: mid-sagittal, Frankfurt  <b>Standard Examination Programs</b>                  Adult Panoramic/Ceph                  Child Panoramic/Ceph                  TMJ Open/Close mouth                  Maxillary Sinus P-A                  Corpus View  <b>Adult half-panoramic</b> (right and left)  <b>Child half-panoramic</b> (right and left)  <b>Improved orthogonality dentition:</b> panoramic projection limited to the dentition obtained  <b>Frontal dentition:</b>  <b>Low dose panoramic:</b> panoramic with reduced angle of rotation to exclude the ascending ramus from the image.</p>		<p><b>TOOTH-CEPH DGM modern design Digital Panoramic Dental Unit for extremely high quality images.</b>                  - High Frequency constant potential x-ray monobloc and x-ray tube with fine 0,5 mm focus.                  - KV and mA setting: 61-85 KV and 4-10 mA. Exposure time 15 sec.                  - 7 Diagnostic examinations programs with 4 different patients's size selection.                  - CCD sensor digital imaging system with spatial resolution &gt; 5 lines pairs/mm                  - removable CCD sensor to be used for panoramic or cephalometric examinations.                  - Acquisition area equivalent to 15 x 30 cm format for panoramic use and 22 x 24 cm for ceph                  - Multiprojections program for adult, child, right, left,</p>			<p><b>Model:</b> ROTOGRAPH EVO D   <b>With two dedicated sensors (one for Panoramic and one for CEPH Imaging)</b>  <b>UPGRADABLE TO 3D Dental Imaging System</b>  <b>Movement Technology</b>                  Multi-motor with digital trajectory   <b>Patient Alignment</b>                   Through Two Laser pointers to locate                   Reference plane: mid-sagittal, Frankfurt  <b>Standard Examination Programs</b>                  Adult Panoramic/Ceph                  Child Panoramic/Ceph                  TMJ Open/Close mouth                  Maxillary Sinus P-A                  Corpus View  <b>Adult half-panoramic</b> (right and left)  <b>Child half-panoramic</b> (right and left)  <b>Improved orthogonality dentition:</b> panoramic projection limited to the dentition obtained  <b>Frontal dentition:</b>  <b>Low dose panoramic:</b> panoramic with reduced angle</p>		

**DESCRIPTION**

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**GLOW PAK INTERNATIONAL**

<p><b>“IMPLANT “ Package – Linear tomography for implantology</b>                  The exam procedure consists of 3 transversal exposures                  Transversal layer thickness: 5 mm (7 mm for molars)                  Distance between transversal layers: 5 mm                  Facility to take image of the patient on wheel chair  <b>Software:</b>                  System must be is supplied with a Software for image acquisition, storage and Processing with following functions.</p> <ul style="list-style-type: none"> <li>- Image contrast adjustment</li> <li>- Image brightness adjustment</li> <li>- Gamma factor adjustment</li> <li>- Filter for edge enhancement, with possibility to adjust the filter level</li> <li>- Gray scale equalization to improve the image definition</li> <li>- Hi contrast</li> <li>- Embossed view</li> <li>- 3-D view</li> <li>- Image rotation (90° and 180°)</li> <li>- Image horizontal inversion</li> <li>- Pseudo-colors</li> <li>- Gray scale inversion (Negative/Positive)</li> <li>- Magnification (up to X32)</li> </ul>	<p>anterior, TMJ with open/close mouth and maxillary sinus selections as well as 4 cephalometric diagnostic examination programs.</p> <ul style="list-style-type: none"> <li>- Laser beam alignment and motorized system for easy positioning</li> <li>- oris win suite multi image acquisition software</li> <li>- Encumbrances: 110 cm (D) 240 cm (W) 220 - 227 cm (H)</li> <li>Weight: 205 Kg</li> <li>- IEC class 1 type B certification. CE marked</li> </ul> <p>Including of :                  Model : BL2101 : temporo-mandibular adjustable positioning bars                  Model : BL3103 oris win suite DICOM print  <b>Manufactured by : BMI-ITALY</b></p>			<p>of rotation to exclude the ascending ramus from the image.  <b>“IMPLANT “ Package – Linear tomography for implantology</b>                  The exam procedure consists of 3 transversal exposures                  Transversal layer thickness: 5 mm (7 mm for molars)                  Distance between transversal layers: 5 mm                  Facility to take image of the patient on wheel chair  <b>Software:</b>                  System must be is supplied with a Software for image acquisition, storage and Processing with following functions.</p> <ul style="list-style-type: none"> <li>- Image contrast adjustment</li> <li>- Image brightness adjustment</li> <li>- Gamma factor adjustment</li> <li>- Filter for edge enhancement, with possibility to adjust the filter level</li> <li>- Gray scale equalization to improve the image definition</li> <li>- Hi contrast</li> <li>- Embossed view</li> <li>- 3-D view</li> <li>- Image rotation (90° and 180°)</li> </ul>		
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**DESCRIPTION**

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<p>- Distance measurement          - Drawing and annotation  <b>Virtual Keyboard</b>          Availability of virtual keyboard console to reproduce image on the workstation/PC screen, to set the exposure parameters directly from PC.          Use of the Virtual keyboard and of the on-board console should also possible at the same time.</p> <p><b>Image Acquisition</b>          Direct acquisition through Ethernet connection          Acquisition on USB peripheral</p> <p><b>Image Hardcopy.</b>          Images can be printed on any Window compatible printer          Images are printed with following parameters          Patient data and examination date          Exposure parameters</p> <p><b>DICOM CONNECTIVITY</b>          The system must be equipped with the "DICOM Gateway" and images should be printed on any Dicom 3 printer,</p>					<p>- Image horizontal inversion          - Pseudo-colors          - Gray scale inversion (Negative/Positive)          - Magnification (up to X32)          - Distance measurement          - Drawing and annotation  <b>Virtual Keyboard</b>          Availability of virtual keyboard console to reproduce image on the workstation/PC screen, to set the exposure parameters directly from PC.          Use of the Virtual keyboard and of the on-board console should also possible at the same time.</p> <p><b>Image Acquisition</b>          Direct acquisition through Ethernet connection          Acquisition on USB peripheral</p> <p><b>Image Hardcopy</b>          Images can be printed on any Window compatible printer          Images are printed with following parameters          Patient data and examination date          Exposure parameters</p> <p><b>DICOM CONNECTIVITY</b>          The system must be equipped with the "DICOM Gateway"</p>		
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**DESCRIPTION**

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<p><b>Technical Specification:</b>  <b>Generator</b>          · High frequency generator, constant potential          · Ripple: &lt; 4%          · High frequency: 200 kHz          · High voltage: 60 , 86kVp, 2 kV steps          · Anodic current: 6 , 12mA, step 1 mA for cephalometry          6 , 10mA, step 1 mA for other exams          · Exposure times:          Panoramic: 13.8 s adult, 13.4 s child          Hemipanoramic: 7.4 s adult, 7.3 s child          Open/close mouth TMJ: 4 x 2.44 s (total 9.7 s)          Maxillary sinus P-A: 9.4 s          Improved orthogonality dentition: 11.9 s adult/ child          Frontal dentition: 4.4 s          Low dose panoramic: 11.4 s  <b>X-ray Tube</b>          · Focal spot size: 0.5 (EN 60336)          · Heat storage capacity: 30kJ (40kHU)          · Total filtration: 2.5mm Al eq.          · Duty cycle: 1 exposure every 4 minutes for panoramic; 1:16 for other examinations (for each second</p>			<p>And images should be printed on any Dicom 3 printer,   <b>Technical Specification:</b>  <b>Generator</b>          · High frequency generator, constant potential          · Ripple: &lt; 4%          · High frequency: 200 kHz          · High voltage: 60 , 86kVp, 2 kV steps          · Anodic current: 6 , 12mA, step 1 mA for cephalometry          6 , 10mA, step 1 mA for other exams          · Exposure times:          Panoramic: 13.8 s adult, 13.4 s child          Hemipanoramic: 7.4 s adult, 7.3 s child          Open/close mouth TMJ: 4 x 2.44 s (total 9.7 s)          Maxillary sinus P-A: 9.4 s          Improved orthogonality dentition: 11.9 s adult/ child          Frontal dentition: 4.4 s          Low dose panoramic: 11.4 s  <b>X-ray Tube</b>          · Focal spot size: 0.5 (EN 60336)</p>	
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**DESCRIPTION**

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<p>of exposure, 16s of cooling time are needed).</p> <p><b>Automatic Collimator</b></p> <ul style="list-style-type: none"> <li>· Primary collimator with motorized operation, automatic selection of 2 diaphragms:             <ul style="list-style-type: none"> <li>- adult panoramic</li> <li>- child panoramic</li> </ul> </li> <li>· Secondary collimator near the cassette to reduce scattered radiation.</li> <li>· Soft tissue filter enhances profile of the soft tissues of the face on the lateral skull view.</li> </ul> <p>Motorized positioning of the filter can be adjusted to match the contour of any patient.</p> <p><b>Electrical Characteristics</b></p> <ul style="list-style-type: none"> <li>· Power supply voltage: 110-120 V / 220-240 V (<math>\pm 10\%</math>) single phase</li> <li>· Frequency: 50/60 Hz</li> <li>· Current rating: 15 A @ 110-120 V / 6.6 A @ 220-240 V</li> <li>· Power rating: 1,5 kVA</li> </ul> <p><b>Digital Acquisition System</b></p> <p><b>PAN CCD Sensor</b></p> <ul style="list-style-type: none"> <li>· Technology: CCD sensor with Cesium Iodide (CsI) scintillator screen</li> <li>· Sensor size: 6x146 mm</li> </ul>					<ul style="list-style-type: none"> <li>· Heat storage capacity: 30kJ (40kHU)</li> <li>· Total filtration: 2.5mm Al eq.</li> <li>· Duty cycle: 1 exposure every 4 minutes for panoramic; 1:16 for other examinations (for each second of exposure, 16s of cooling time are needed).</li> </ul> <p><b>Automatic Collimator</b></p> <ul style="list-style-type: none"> <li>· Primary collimator with motorized operation, automatic selection of 2 diaphragms:             <ul style="list-style-type: none"> <li>- adult panoramic</li> <li>- child panoramic</li> </ul> </li> <li>· Secondary collimator near the cassette to reduce scattered radiation.</li> <li>· Soft tissue filter enhances profile of the soft tissues of the face on the lateral skull view.</li> </ul> <p>Motorized positioning of the filter can be adjusted to match the contour of any patient.</p> <p><b>Electrical Characteristics</b></p> <ul style="list-style-type: none"> <li>· Power supply voltage: 110-120 V / 220-240 V (<math>\pm 10\%</math>) single phase</li> <li>· Frequency: 50/60 Hz</li> <li>· Current rating: 15 A @ 110-120</li> </ul>		
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**DESCRIPTION**

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**GLOW PAK INTERNATIONAL**

<ul style="list-style-type: none"> <li>· Pixel size: 48 Im (96 Im in 2x2 binning modality)</li> <li>· Image matrix: 1536 x 2805 pixels in 2x2 binning modality (standard panoramic)</li> <li>· Sensor resolution: 10.4 lp/mm maximum theoretical 5.2 lp/mm with CTF 60% real (in 2x2 binning modality)</li> <li>· Gray levels: 4096 (12 bits) in acquisition (A/D converter)</li> <li>· Max useful image size: equivalent to a 15x30 cm film</li> </ul> <p><b>CEPH CCD Sensor</b></p> <ul style="list-style-type: none"> <li>· Technology: CCD sensor with Cesium Iodide (CsI) scintillator screen</li> <li>· Sensor size: 6x220 mm</li> <li>· Pixel size: 48 Im (96 Im in 2x2 binning; 144 Im in 3x3 binning)</li> <li>· Sensor resolution: 5.2 lp/mm (in high resolution modality - 2x2 binning) 3.4 lp/mm (in high speed modality – 3x3 binning)</li> <li>· Gray levels: 4096 (12 bits) in acquisition (A/D converter)</li> <li>· Scanning: horizontal, with constant speed: 20 mm/sec (binning 2x2) 40 mm/sec (binning 3x3)</li> </ul>					<p>V / 6.6 A @ 220-240 V</p> <ul style="list-style-type: none"> <li>· Power rating: 1,5 kVA</li> </ul> <p><b>Digital Acquisition System</b></p> <p><b>PAN CCD Sensor</b></p> <ul style="list-style-type: none"> <li>· Technology: CCD sensor with Cesium Iodide (CsI) scintillator screen</li> <li>· Sensor size: 6x146 mm</li> <li>· Pixel size: 48 Im (96 Im in 2x2 binning modality)</li> <li>· Image matrix: 1536 x 2805 pixels in 2x2 binning modality (standard panoramic)</li> <li>· Sensor resolution: 10.4 lp/mm maximum theoretical 5.2 lp/mm with CTF 60% real (in 2x2 binning modality)</li> <li>· Gray levels: 4096 (12 bits) in acquisition (A/D converter)</li> <li>· Max useful image size: equivalent to a 15x30 cm film</li> </ul> <p><b>CEPH CCD Sensor</b></p> <ul style="list-style-type: none"> <li>· Technology: CCD sensor with Cesium Iodide (CsI) scintillator screen</li> <li>· Sensor size: 6x220 mm</li> <li>· Pixel size: 48 Im (96 Im in 2x2 binning; 144 Im in 3x3 binning)</li> </ul>		
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**UNIVERSAL ENTERPRISES**

**GLOW PAK INTERNATIONAL**

	<ul style="list-style-type: none"><li>· Max useful image size: equivalent to a 30x24 cm film</li></ul> <p><b>Make: (EC, Japan, USA) or Equivalent</b></p>					<ul style="list-style-type: none"><li>· Sensor resolution: 5.2 lp/mm (in high resolution modality - 2x2 binning)</li><li>3.4 lp/mm (in high speed modality – 3x3 binning)</li><li>· Gray levels: 4096 (12 bits) in acquisition (A/D converter)</li><li>· Scanning: horizontal, with constant speed: 20 mm/sec (binning 2x2) 40 mm/sec (binning 3x3)</li><li>· Max useful image size: equivalent to a 30x24 cm film</li></ul> <p><b>Make: Villa-Italy</b></p>		
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**DESCRIPTION**

**UNIVERSAL ENTERPRISES**

**GLOW PAK INTERNATIONAL**

**DESCRIPTION****UNIVERSAL ENTERPRISES****GLOW PAK INTERNATIONAL**

	<b><u>Dental total</u></b>				<b><u>44350300</u></b>		<b><u>21620100</u></b>
	<b><u>Skill lab total</u></b>				<b><u>Nil</u></b>		<b><u>3378300</u></b>
	<b><u>Nephrology total</u></b>				<b><u>123000</u></b>		<b><u>Nil</u></b>
	<b><u>Grand total</u></b>				<b><u>44473300</u></b>		<b><u>24998400</u></b>
	<b><u>2% earnest money</u></b>				<b><u>889466</u></b>		<b><u>4,99,968</u></b>
	<b><u>Deposit earnest money</u></b>			<b><u>valid</u></b>	<b><u>900000</u></b>	<b><u>Valid</u></b>	<b><u>500,000</u></b>

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PRINCIPAL, KMDC

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DR. JAMAL SHAIK  
M.S SINDH GOVERNMENT HOSPITAL

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HOD DENTAL  
KMDC

# KARACHI MEDICAL & DENTAL COLLEGE

KARACHI METROPOLITAN CORPORATION

## TENDER FOR THE EQUIPMENTS FOR DENTAL / NEPHROLOGY & SKILL LAB DEPARTMENT FOR KMDC

### FINANCIAL BID

S.No.	Description	Qty	UNIVERSAL ENTERPRISES		BIOS		
			Rate	amount	rate	amount	
01	<u>NEPHROLOGY DEPARTMENT</u>	01			<b>ICU Ventilator</b> <b>Model: Inspiration 5i</b> <b>Make: E-Vent Medical /USA</b> <b>Features:</b> <ul style="list-style-type: none"> <li>• High performance PSOL and active exhalation</li> <li>• Comprehensive graphics and trending</li> <li>• with event markers</li> <li>• <b>Neonate through adult</b></li> <li>• <b>Invasive and noninvasive</b></li> <li>• Feedback-controlled NCPAP and NCPAP+</li> <li>• Intra-hospital patient transport</li> <li>• Intranet and Internet remote viewing</li> <li>• Outstanding Heliox Management</li> <li>• <b>2ml Tidal Volume</b></li> <li>• <b>Auto Control</b></li> <li>• Apnea Backup Ventilation</li> <li>• SPAP Philosophy Options: Time, Cycle + Time, Cycle + I:E</li> <li>• <b>IBW Calculator</b></li> <li>• NIV On/Off in all Modes</li> </ul>	20,23,000	20,23,000

**DESCRIPTION****UNIVERSAL ENTERPRISES****BIOS**

<p><b><u>ICU VENTILATOR</u></b>  <b><u>MODES &amp; SPECIFICATIONS</u></b>  <b><u>PATIENT TYPE</u></b>  Neonates  Peads  Adults  <b><u>BREATH CLASSIFICATION</u></b>  Volume control ventilation (VCV)  Pressure control ventilation (PCV)  Non Positive Pressure Ventilation (NPPV)  <b><u>MODES OF VENTILATION</u></b>  1. Assist Control (A/C)  2. Synchronous Intermittent Mandatory Ventilation (SIMV)  3. Non-Invasive Ventilation (NIV) (BIPAP)  4. CPAP  5. Spontaneous Breath Types  6. Pressure Support (PSV)  7. SIMV with pressure support (SIMV/PSV)  <b>8. Auto-Trak software</b>  <b>9. Flow-Trak software</b>  <b>10. Neonatal software with Baby-Trak</b></p> <p><b><u>TECHNICAL SPECIFICATIONS</u></b>  Tidal Volume (Vt)  5 to 2500 ml</p>			<ul style="list-style-type: none"> <li>• Active Exhalation Valve</li> <li>• Automatic Leak Compensation (up to 60 lpm)</li> <li>• Built-in air compressor</li> </ul> <p><b><u>Modes of Ventilation</u></b></p> <ul style="list-style-type: none"> <li>• Assisted Control Mandatory Ventilation (CMV)</li> <li>• Synchronized Intermittent Mandatory Ventilation (SIMV)</li> <li>• Spontaneous Ventilation (CPAP + PS, CPAP + VS, SPAP)</li> </ul> <p><b><u>Breath Types</u></b></p> <ul style="list-style-type: none"> <li>• Volume-controlled (V-CMV; V-SIMV)</li> <li>• Pressure-controlled (P-CMV; P-SIMV, PS)</li> <li>• Volume Targeted Pressure-controlled (PRVC-CMV; PRVC-SIMV, VS)</li> <li>• Dual Level PEEP (SPAP)</li> </ul> <p><b><u>Breath Triggering</u></b></p> <ul style="list-style-type: none"> <li>• Pressure triggering 0.5 - 20 cmH2O</li> <li>• Flow triggering 0.1 - 25 lpm</li> </ul> <p><b><u>Specification</u></b></p>	
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**DESCRIPTION**

**UNIVERSAL ENTERPRISES**

**BIOS**

<p>Leak Compensation          Auto-adaptive up to 60 l/min          % Leak Display          0 - 100 % (determines leak past an un-cuffed tube and adjusts per leak %)          Respiratory Rate:          1.0 to 150 breath/min          Flow Pattern          Square or Descending Ramp          Pleatue time:          0.0 to 2.0 second          Inspiratory Pressure:          5–100 cmH2O          Inspiratory Time:          0.1–9.9 s          Trigger Type          Pressure trigger ( -20 to -0.1 cmH2O )          Flow trigger ( 0.5 - 20 L/min ( base flow equals 3 L/min above flow sensitivity)          Inspiratory Trigger          0.3-10 L / min          Pressure Sensitivity:          0.1 to 20 cmH2O Below PEEP          Flow Sensitivity:          0.2 to 20 L/min          O2 % :          21% to 100%          PEEP/CPAP</p>			<ul style="list-style-type: none"> <li>• Respiratory rate 0 - 150 bpm</li> <li>• Tidal volume 2 - 2000 ml*</li> <li>• PEEP / CPAP 0 - 50 cmH2O</li> <li>• Pcontrol 2 - 80 cmH2O*</li> <li>• Psupport 0 - 80 cmH2O</li> <li>• Peak flow (mandatory) 1 - 120 lpm*</li> <li>• Peak flow (spontaneous) Up to 180 lpm*</li> <li>• I-Times 0.1 - 10 sec</li> <li>• Oxygen concentration 21 - 100%</li> <li>• Rise time settings 10 (Fast), 5 (Med), or 1 (Slow)</li> <li>• Exhalation sensitivity % 10 - 80% (of spontaneous peak flow)</li> <li>• Base Flow (with Auto leak comp off)             <ul style="list-style-type: none"> <li>- NIV On 2.0 - 60 lpm</li> <li>- NIV Off 2.0 - 25 lpm</li> </ul> </li> <li>• Plateau (insp pause) 0 - 42 sec (0 - 70%)</li> </ul> <p><b><u>Monitored / Displayed Data</u></b></p> <ul style="list-style-type: none"> <li>• Delivered oxygen concentrations: 21 - 100%</li> <li>• Trend Data (1-72 hrs.) (29 trend parameters)</li> <li>• Monitoring Data (34 monitored parameters):</li> </ul> <p><b><u>Real Time Graphics</u></b></p> <ul style="list-style-type: none"> <li>• Volume + time - Flow Volume</li> </ul>	
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**DESCRIPTION**

**UNIVERSAL ENTERPRISES**

**BIOS**

<p>0–35 cmH2O          I : E Ratio          1 : 10 - 4 : 1  <b><u>EXPIRATORY CYCLING</u></b>          E-cycle          10-80% of peak inspiratory flow          Auto-trak          Auto adaptive cycling threshold          Auto trak          Auto-adaptive triggering threshold          Battery Backup          Atleast 30 minutes          Apnea Backup          1-80 breaths / min          IPAP          2-35 cmH2O          EPAP          2-25 cmH2O  <b>BUILT IN AIR COMPRESSOR</b></p>			<p>loop          • Flow + time - Pressure Volume loop          • Pressure + time</p> <p><b><u>Graphic User Interface (GUI) and Functions</u></b></p> <ul style="list-style-type: none"> <li>• Multiple Easy View Tabs</li> <li>• (Main, Settings, Monitoring, Alarms, Configuration)</li> <li>• Graphics Display (2-Loops and 3-Waveforms)</li> <li>• Apnea Back-up</li> <li>• Smart Nebulizer™*</li> <li>• Smart Sigh™</li> <li>• Humidification Selection (HME, Humidifier, and None)</li> <li>• Heliox 0 - 80%</li> </ul> <p><b><u>User Initiated Functions</u></b></p> <ul style="list-style-type: none"> <li>• Manual inspiration</li> <li>• Inspiratory and expiratory breath holds</li> <li>• Alarm silence</li> <li>• 100% Oxygen* (+20% Oxygen (Infant))</li> <li>• Standby</li> </ul> <p><b><u>Physical Data</u></b></p> <ul style="list-style-type: none"> <li>• AC power: 100 - 240 VAC (50/60Hz)</li> </ul>	
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**DESCRIPTION**

**UNIVERSAL ENTERPRISES**

**BIOS**

						<ul style="list-style-type: none"> <li>• Standard internal battery</li> <li>• Screen: LCD 12.1" / Touch Screen</li> <li>• Internal compressor (optional)</li> <li>• Battery backup on compressor &lt; 120 min, off compressor &gt; 120min</li> <li>• Gas supply 2- 6 Bar</li> <li>• Integrated CliniNet® Server</li> </ul> <p><b><u>Prioritized Alarms (High, Medium and Low)</u></b></p> <ul style="list-style-type: none"> <li>• Auto set alarm feature</li> <li>• 1000 Event log</li> </ul> <p><b><u>Communication Interfaces</u></b></p> <ul style="list-style-type: none"> <li>• Ethernet and Nurse call,</li> <li>• RS232</li> </ul>		
02	<p><b><u>ECG MACHINE 3 CHANNEL THREE-CHANNEL INTERPRETIVE ECG</u></b></p> <ul style="list-style-type: none"> <li>• Simultaneous 12 leads acquisition</li> <li>• Selectable rhythm lead observation of arrhythmia ECG</li> </ul>	01	<p><b><u>ECG MACHINE 3 CHANNEL THREE-CHANNEL INTERPRETIVE ECG</u></b></p> <ul style="list-style-type: none"> <li>• Simultaneous 12 leads acquisition</li> <li>• Selectable rhythm lead</li> </ul>	1,23,000	1,23,000	<p><b>ECG Machine 3 Ch with interpretive</b>  <b>Model: BTL SD 3</b>  <b>Make: BTL-UK</b>  <b>Feature:</b></p> <ul style="list-style-type: none"> <li>• 3-channel LCD display</li> <li>• 58 mm printouts</li> <li>• Battery &amp; mains powered</li> </ul>	1,39,000	1,39,000

**DESCRIPTION**

**UNIVERSAL ENTERPRISES**

**BIOS**

<p>waveform and interpretation of long R-R interval</p> <ul style="list-style-type: none"> <li>• Visual alarm for ECG lead-off</li> <li>• Automatic measurement and interpretation of ECG waveform assists the doctors with diagnosis</li> <li>• Advanced digital signal processing technique eliminates the baseline drift, AC and EMG interference</li> <li>• Built-in high resolution thermal recorder prints out ECG waveforms, annotations and parameters for diagnosis reference</li> <li>• Rechargeable battery supports continuous examination and print-out for 60 minutes or more, with normal operation for 2 hours</li> </ul> <p><u>Optional</u> ECG management and review software.</p>	<p>observation of arrhythmia ECG waveform and interpretation of long R-R interval</p> <ul style="list-style-type: none"> <li>• Visual alarm for ECG lead-off</li> <li>• Automatic measurement and interpretation of ECG waveform assists the doctors with diagnosis</li> <li>• Advanced digital signal processing technique eliminates the baseline drift, AC and EMG interference</li> <li>• Built-in high resolution thermal recorder prints out ECG waveforms, annotations and parameters for diagnosis reference</li> </ul>		<ul style="list-style-type: none"> <li>• Portable</li> </ul> <p><b><u>Functionality</u></b></p> <ul style="list-style-type: none"> <li>• Auto-adaptive filters for outstanding signal quality</li> <li>• Loose leads indicator</li> <li>• Auto, manual and user-defined profiles</li> <li>• Alpha-numeric keyboard</li> <li>• Pacemaker detection</li> </ul> <p><b><u>Technical Specification</u></b></p> <ul style="list-style-type: none"> <li>• Display: Graphic display :graphic display</li> <li>• Screen Resolution :128 x 64</li> <li>• Keyboard :combined alphanumeric and functional</li> <li>• Electro connect control :indication of</li> </ul> <p>Connect of</p> <p>each electrode</p> <ul style="list-style-type: none"> <li>• Interference :RS232, USB reduction</li> </ul> <p><b><u>Printer:</u></b></p> <ul style="list-style-type: none"> <li>• Paper width (mm) : 58</li> <li>• Paper type :roll</li> </ul>	
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**DESCRIPTION****UNIVERSAL ENTERPRISES****BIOS**

		<ul style="list-style-type: none"> <li>• Rechargeable battery supports continuous examination and print-out for 60 minutes or more, with normal operation for 2 hours</li> </ul> <p><b>Manufactured by : Newtech Medical</b> <b>Country origin : USA</b></p>		<ul style="list-style-type: none"> <li>• Paper speed (mm/s) : 5, 10, 25, 50</li> </ul> <p><b><u>Signal Processing</u></b></p> <ul style="list-style-type: none"> <li>• Number of channels : 1/3</li> <li>• Number of leads : 12</li> <li>• Displayed leads : 1</li> <li>• Printed leads : 1/1, 3</li> <li>• Transmission in automatic mode: real-time,</li> </ul> <p>synchronic</p> <ul style="list-style-type: none"> <li>• Pacemaker detection :yes</li> <li>• Sensitivity (mm/mV) :2.5, 5, 10, 20</li> <li>• Stored records (10-sec long strips) : 6</li> <li>• Long ECG recording 1 lead /</li> <li>• 2 leads (min) :9/no</li> </ul> <p><b><u>Digital Filters</u></b></p> <ul style="list-style-type: none"> <li>• Adaptable mains filter (Hz) :50-60</li> </ul>		
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**DESCRIPTION**

**UNIVERSAL ENTERPRISES**

**BIOS**

						<ul style="list-style-type: none"> <li>• Muscle tremor filters (Hz) :35, 25</li> <li>• Baseline Filter (Hz)Automatic :0.05(3.2 s), 0.11 (1.5s),</li> <li>• 0.25 (0.6 s), 0.50 (0.3 s),1.50 (0.1 s)</li> </ul> <p><b><u>Diagnostics Interpretation</u></b></p> <ul style="list-style-type: none"> <li>• Includes analysis</li> <li>• Long R-R interval text interpretation</li> </ul> <p><b><u>PC software</u></b></p> <ul style="list-style-type: none"> <li>• ECG data Management and its review</li> </ul>		
03	<p><b><u>ABG MACHINE</u></b></p> <p><b><u>BLOOD GASES ,ELECTROLYTE &amp; HCT(3 in one)</u></b></p> <p><b><u>SPECIFICATION:-</u></b> Simple: Whole blood, Serum, Plasma, Dialysate, CSF</p> <p><b>Measured Parameters:</b> Hydrogen ion activity(ph): 6.000-9.000 Ph scale Carbon Dioxide partial pressure(PCO2): 1.607-26.67 Kpa</p>	01						

**DESCRIPTION**

**UNIVERSAL ENTERPRISES**

**BIOS**

<p>Carbon Dioxide partial pressure(PCO2): 8.0-200.0 Kpa Oxygen partial pressure(PO2): 0-106.7 Kpa Oxygen partial pressure(PO2): 0-800.0 mmhg Potassium ion(K): 0.50-10.00 mmol/L Sodium(Na): 50.0-200.00 mmol/L Chloride(Cl): 20.0-200.00 mmol/L Ionized calcium(Ca): 0.10-5.00 mmol/L HCT: 12.0-65.0 % B.P. 500-800 mmhg <b>Derived parameters:</b> Ph(TC) PCO2(TC) PO2(TC) TCO3 HCO3 BE<sub>B</sub> BE<sub>ecf</sub> SBC SO2% CA(7.4) TCA AG RI AaDO2 O<sub>2</sub>SAT Thb(c) <b>Input Parameters:</b></p>							
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**DESCRIPTION**

**UNIVERSAL ENTERPRISES**

**BIOS**

<p>Patient Temperature; Hemoglobin, FiO2, B.P.</p> <p><b>Interface :</b> Serial Line: RS-232, TCP/IP Interface, USB port, Intergrated Bar-code Reader</p> <p><b>Analysis time:</b> &lt; 90s Sample Volume: 95ul whole blood, 35ul capillary blood Calibration: Automatic, programmable 1-point and 2-point calibration Date Storage: &gt; 10000</p> <p>Display: 10" TFT touch screen Battery: Lead Acid Battery, 2.3 Ah Printer: Build-in Thermal Printer, 70mm Barcode Reader: Up to 14 kinds barcode type Gas Tank Free</p> <p>Work Environment: 15~30 Storage Enviornment: 5~40 Power Supply: 100-240v~50/60Hz</p>							
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**DESCRIPTION**

**UNIVERSAL ENTERPRISES**

**BIOS**

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**DESCRIPTION****UNIVERSAL ENTERPRISES****BIOS**

04	<b><u>HEMATOLOGY ANALYSER</u></b>  <b><u>AUTO HEMOTOLOGY ANALYZER</u></b> <ul style="list-style-type: none"><li>- Must be latest innovative with FDA approval which comes with a Cap Piercing chamber supporting 4 kinds of tubes to avoid possible biological contamination.</li><li>- Fast test speed, accurate results, user-friendly software</li><li>- Easy maintenance bring you a best-in-class analyzer.</li><li>- Three-part differentiation of WBC, 19 parameters +3 histograms</li><li>- Closed tube sampling with 4-position tube holder</li></ul>	01						

**DESCRIPTION****UNIVERSAL ENTERPRISES****BIOS**

	<ul style="list-style-type: none"> <li>– Micro sampling of 13 ul</li> <li>– Automatic diluting, lyzing, mixing, rinsing and unclogging.</li> <li>– Up to 60 samples per hour</li> <li>– Large Color LCD Display</li> <li>– Data storage for 30,000 or more samples with histograms</li> </ul>						
	<b><u>Nephrology total</u></b>				<b>123,000</b>		<b>2162000</b>
	<b><u>Skill lab total</u></b>				<b>Nil</b>		
	<b><u>Dental total</u></b>				<b>44350300</b>		<b>4744000</b>
	<b><u>Grand total</u></b>				<b>44473300</b>		<b>6906000</b>
	<b><u>2% earnest money</u></b>				<b>889466</b>		<b>138120</b>
	<b><u>Deposit earnest money</u></b>			<b>valid</b>	<b>900,000</b>		<b>valid</b> <b>139000</b>

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**PRINCIPAL, KMDC**


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**DR. JAMAL SHAIK**  
**M.S SINDH GOVERNMENT HOSPITAL**


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**HOD NEPHROLOGY**  
**KMDC**

KARACHI MEDICAL COMPANY			A.M Sales		
	rate	amount		rate	amount
<b>Philips Respironics Ventilation System:</b>  <b>Model : V200 Critical Care Ventilator</b> with Auto Track Synchrony from Initiation to Liberation <b>Make : Philips EU</b>  <b>Patient Type:</b> Neonates, Peads, Adults  <b>Modes:</b> Assist Control (A/C), Synchronous Intermittent Mandatory Ventilation (SIMV), Non-Invasive Ventilation (NIV) BIPAP, CPAP (Spontaneous, Spontaneous timed), Spontaneous Breath types, Pressure Support (PSV), SIMV with pressure support (SIMV/ PSV), Auto-track software, Flow-track software, Neonatal software with Baby track.  <b>Breath Types:</b> Volume Control Ventilation (VCV), Pressure	25,17,250	25,17,250			



<p>Control Ventilation (PCV), Non-Positive Pressure Ventilation (NPPV)</p> <p><b>Technical Specifications:</b></p> <p>Tidal Volume (Vt) : 5 to 2500ml</p> <p>Leak Compensation : Auto-adaptive up to 60L/ min.</p> <p>% Leak Display : 0 – 10% (determine leak past an un-cuffed tube and adjusts per leak %)</p> <p>Respiratory Rate : 1.0 – 150 Breath/ min.</p> <p>Flow pattern : Square or descending ramp</p> <p>Pleatue Time : 0.0 – 2.0 seconds</p> <p>Inspiratory Pressure : 5 – 100 cm H<sub>2</sub>O</p> <p>Inspiratory Time : 0.1 – 9.9 seconds</p> <p>Trigger type : Pressure Trigger (-20 to -0.1 cm H<sub>2</sub>O)</p> <p style="padding-left: 100px;">Flow Trigger (0.5 – 20 L/min. [base flow ≈ 3L/min above floe sensitivity])</p> <p>Inspiratory Trigger : 0.3 – 10 Liter/ min.</p> <p>Pressure Sensitivity : 0.1 – 20 cm H<sub>2</sub>O below PEEP</p> <p>Flow sensitivity : 0.2 – 20 Liter/ min.</p> <p>Oxygen % : 21 – 100%</p> <p>PEEP/ CPAP : 0 – 35 cm H<sub>2</sub>O</p>					
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<p>I : E ratio : 1:40 – 4:1</p> <p><b>Expiratory Cycling:</b></p> <p>E-Cycle : 10 – 80 % of peak inspiratory flow</p> <p>Auto-Trak : Auto-adaptive cycling threshold &amp; Auto-adaptive triggering threshold</p> <p>Apnea Back-up : 1 – 80 breath/ min.</p> <p>IPAP : 2 – 35 cm H<sub>2</sub>O</p> <p>EPAP : 2 – 25 cm H<sub>2</sub>O</p> <p><b>Built-in Air Compressor</b></p> <p><b>Reusable Patient Breathing Circuit</b></p> <p><b>Warranty : One Year for Manufacturing defects.</b></p>					
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			<p><b><u>ECG MACHINE 3 CHANNEL</u></b> <b><u>THREE-CHANNEL INTERPRETIVE</u></b> <b><u>ECG</u></b></p> <ul style="list-style-type: none"><li>• Simultaneous 12 leads acquisition</li><li>• Selectable rhythm lead observation of arrhythmia ECG waveform and interpretation of long R-R interval</li><li>• Visual alarm for ECG lead-off</li></ul>		

			<ul style="list-style-type: none"><li>• Automatic measurement and interpretation of ECG waveform assists the doctors with diagnosis</li><li>• Advanced digital signal processing technique eliminates the baseline drift, AC and EMG interference</li><li>• Built-in high resolution thermal recorder prints out ECG waveforms, annotations and parameters for diagnosis reference</li><li>• Rechargeable battery supports continuous examination and print-out for 60 minutes or more, with normal operation for 2 hours</li></ul> <p><b>Manufactured by : Newtech Medical</b> <b>Country origin : USA</b></p>		
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**KARACHI MEDICAL COMPANY**

**A.M SALES**

<p><b>Blood Gas Analyzer Machine</b></p> <p><b>Model : Cobas b 121 system</b>  <b>Make : Roche EU</b></p> <p><b>Features/ Specifications:</b></p> <p>Measured Oxygen saturation : as a standard feature.  Measured Total Hemoglobin : as a standard feature.</p>	<b>16,15,400</b>	<b>16,15,400</b>	<p><b>ABG MACHINE</b>  <b>BLOOD GAS ,ELECTROLYTE &amp; HCT(3 in one )</b>  <b>Model No : Stat.Profile pHOX Plus C</b>  <b>Manufacture : Nova Biomédical</b>  <b>Country of Origin : USA</b></p> <p><b>Measured Parameter:</b> pH, H+,PCO<sub>2</sub>, PO<sub>2</sub>, SO<sub>2</sub>, Hct, Hb  Na+,K+,Ca<sup>++</sup>, Cl</p> <p><b>Calculated Parameter:</b> HCO<sub>3</sub>, TCO<sub>2</sub>, Be-ecf, B-eb, SBC,</p>	<b>7,90,000</b>	<b>7,90,000</b>

<p>Measured Parameters : Blood gases, pH, PO<sub>2</sub>, PCO<sub>2</sub>, Electrolytes Na<sup>+</sup>, K<sup>+</sup>, Ca<sup>+</sup>, Cl<sup>-</sup> Total</p> <p>Hemoglobin tHB</p> <p>Oxygen saturation SO<sub>2</sub></p> <p>Hematocrit Hct</p>			<p>aDO<sub>2</sub> a/A, Ca<sup>++</sup>, RI, P50</p> <p><b>Sample:</b> (Heparinized), Serum</p> <p><b>Stat Analysis Rate:</b> 52 seconds</p> <p><b>Throughput Rate:</b> 38/hour</p> <p><b>Sample Volume</b> liters whole blood</p> <p>gases/pH</p> <p>liters whole</p> <p>size for full panel</p> <p>micro liter whole</p> <p>Automatic QC Analysis, QC Statistic Report (Levey-Jennings)</p> <p>Auto Repeat and Flagging</p> <p>Automatic Data Storage and Reporting</p> <p>Gasless calibration (No Gas Tank Required)</p> <p>Combined Co-oximetry and blood gas results.</p>	<p>O<sub>2</sub>Ct, O<sub>2</sub>Cap,A, A- PO<sub>2</sub>/FIO<sub>2</sub>, n</p> <p>Anion Gap SBC</p> <p>Whole Blood</p> <p>artial, venous, mixed</p> <p>micro sample for blood</p> <p>Syringe : 125 micro</p> <p>blood sample</p> <p>Micro sample : 60</p> <p>blood</p>	
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		<p>Ventilator settings.                  Microprocessor based                  Control panel with easy setting and monitoring                  Calibration : Automatic, Programmable 1-point and 2 point calibration                  Easily changing access to the Electrodes and the solutions                  Patient data management software.                  8.4" Bright, Color Touch Screen                  Printer: 52 Column thermal – Built in.                  Integral capillary adapter.                  Optional CCD bar code scanner.                  Single snap-in-reagent system.                  Arterial venous physiological shunt mode.</p> <p>Measured parameters                  - PH - 6.50-8.0                  - H+ 316.23-10.00 mmol/l                  - pO2 0.0-800.0 mmHg ( 0 – 106.7 kPa)                  - pCO2 – 3.0-200.0 mmHg ( 0.4 – 26.7 kPa)                  - SO2- 30-100%                  - Hct- 12% - 70%                  - Hb – 4.0 – 24.0g/dl                  - Na+ - 80 – 200 mmol/l                  - K+ - 1 – 20 mmol/l                  - Ca++ - 0.1 – 2.7 mmol/l                  - Cl- - 50 – 200 mmol/l                  - Barometric pressure - 400.00-800.0 mmHg                  - Calculated parameters</p>		
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			<ul style="list-style-type: none"> <li>- HCO<sub>3</sub>, TCO<sub>2</sub>, Be-ecf, B-eb, SBC, O<sub>2</sub>Ct, O<sub>2</sub>Cap,A, A-aDO<sub>2</sub></li> <li>a/A,PO<sub>2</sub>/FIO<sub>2</sub>, n Ca<sup>++</sup>, RI, P50 Anion Gap SBC</li> <li>- Input Parameters</li> <li>- Patient Temperature: Hemoglobin, FiO<sub>2</sub>, B.P</li> <li>- Temperature corrected parameters</li> <li>- - PH - 6.50-8.0</li> <li>- H<sup>+</sup> 316.23-10.00 mmol/l</li> <li>- pO<sub>2</sub> 0.0-800.0 mmHg</li> <li>- pCO<sub>2</sub> – 3.0-200.0 mmHg</li> <li>- SO<sub>2</sub>- 30-100%</li> <li>- Hct- 12% - 70%</li> <li>- Hb – 4.0 – 24.0g/dl</li> <li>- Na<sup>+</sup> - 80 – 200 mmol/l</li> <li>- K<sup>+</sup> - 1 – 20 mmol/l</li> <li>- Ca<sup>++</sup> - 0.1 – 2.7 mmol/l</li> <li>- Cl<sup>-</sup> - 50 – 200 mmol/l:</li> <li>Working Environment : 15 30</li> <li>Storage Environment : 5 40</li> <li>Power Supply : 90 – 264V , 50 / 60 Hz</li> <li>200w</li> <li>Interface: RS232 Serial ASTM Standard data protocol.</li> <li>Safety Features.</li> <li>Certification: ISO 9001, CSA, TÜV, CE self declared complies to EN 61010, EN50081, 82.</li> </ul>		
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			FDA Approved Password Protection: 200 individual passwords with multiple privilege levels.		
<p><b>Hematology Analyzer</b></p> <p><b>Model : Celltac Alpha MEK-6410 (WBC 3 Parts differential, 18 Parameters)</b></p> <p><b>Make : Nihon Kohden Japan</b></p> <p><b>Features/ Specifications:</b></p> <p>Panic Values Measurement : Panic Value Threshold &amp; Automatic dilution ratio</p> <p>Expanded Measurement range : WBC to 599 x 10<sup>3</sup> <math>\mu</math>L</p> <p>High Accuracy of Low range: Low dilution mode gives high accuracy even in low values of WBC or PLT</p> <p>High Speed Processing : 63 samples/ hour in open tube mode</p> <p>User Friendly Functions : Reagent Monitoring</p>	<b>10,46,200</b>	<b>10,46,200</b>			

**KARACHI MEDICAL COMPANY****A.M SALES**

System, useful on screen data editing, Selectable reference values,Auto background measurement, Charting & graphing, Large Color Touch screen					
		<b>5178850</b>			<b>790000</b>
		<b>Nil</b>			<b>Nil</b>
		<b>27555500</b>			<b>Nil</b>
		<b>32734350</b>			<b>790000</b>
		<b>654687</b>			<b>15800</b>
	<b>valid</b>	<b>705000</b>		<b>valid</b>	<b>16000</b>

# KARACHI MEDICAL & DENTAL COLLEGE

KARACHI METROPOLITAN CORPORATION

## TENDER FOR THE EQUIPMENTS FOR DENTAL / NEPHROLOGY & SKILL LAB DEPARTMENT FOR KMDC

### FINANCIAL BID

S.No.	Description	Qty	Medinostic Health Care (Pvt.) Ltd.		GLOW PAK INTERNATIONAL			
01	<p><b><u>TRAINING AIDS/SIMULATORS FOR SKILL LAB:-</u></b></p> <p><b><u>ADULT CRISIS MANIKIN COMPLETE RESUSCITATION System to perform CPR, IV, Blood pressure Defibrillation, Arrhythmia and ECG.</u></b></p> <p>PROCEDURES THAT CAN BE PERFORMED:</p> <p><b>Airway Management</b></p> <ul style="list-style-type: none"> <li>• Compatible airway management devices include E.T., E.O.A., E.T.L., L.M.A., E.G.T.A., Combitube®, and KING Systems</li> <li>• Cricoid cartilage allows for practice of Sellick maneuver</li> <li>• Oral, nasal, and digital intubation capabilities</li> <li>• Realistic anatomy of the mouth, tongue, oral pharynx, larynx, epiglottis, vocal cords, trachea, and</li> </ul>	01	<p><b>Adult Crisis Manikin Complete Resuscitation System</b>  <b>Model : 1005649</b>  <b>Make : 3B Scientific, Germany</b>  <b>Specs:</b>                      This full body manikin offers a wide range of ACLS training possibilities including arrhythmia recognition and confirmable defibrillation. The manikin is supplied with a storage case and allows training of the following ACLS procedures:</p> <ul style="list-style-type: none"> <li>• <b>CPR</b></li> <li>• <b>Airway Management</b></li> <li>• <b>I.V. and I.M. Injection (at arm)</b></li> <li>• <b>Blood Pressure Measurement</b></li> <li>• <b>Defibrillation Chest</b></li> <li>• <b>Interactive ECG-Simulator</b></li> </ul> <p>Supplied with carrying case.</p>	1454600	1454600	<p><b>Adult Crisis Manikin</b></p> <p style="text-align: center;"><b>Complete Resuscitation</b>  <b>Cat n. AN3955</b></p> <p><input type="checkbox"/> <b>Completely functional CPR</b> manikin with electronic connections includes:                      IV training arm                      Blood pressure arm                      Defibrillation chest skin                      Airway management trainer</p> <p><input type="checkbox"/> <b>Ideal for ACLS</b>, nursing, paramedic and EMT training at every level</p> <p><input type="checkbox"/> <b>CPR:</b>                      Palpable and visual landmarks                      Fully articulated head, neck and jaw                      Jaw thrust</p> <p><input type="checkbox"/> <b>Airway management:</b>                      Realistic anatomy of the mouth, tongue and pharynx, larynx, epiglottis, vocal cords, trachea and oesophagus</p>	1115000	1115000

**DESCRIPTION**

**MEDINOSTIC HEALTH CARE Pvt. Ltd**

**GLOW PAK INTERNATIONAL**

<p>esophagus</p> <ul style="list-style-type: none"> <li>• Separate left and right lungs for auscultation</li> <li>• Suctioning capabilities</li> </ul> <p><b>Blood Pressure Arm</b></p> <ul style="list-style-type: none"> <li>• Auscultatory gap can be turned on and off</li> <li>• Can be used with an optional external speaker system (LF01189U) to broadcast sounds to the entire classroom</li> <li>• Instructor determines systolic and diastolic levels, heart rate, and sound volume</li> <li>• Speaker in arm reproduces real blood pressure sounds</li> <li>• 5 Korotkoff phases can be turned on and off</li> </ul> <p><b>CPR</b></p> <ul style="list-style-type: none"> <li>• Fully articulated head, neck, and jaw</li> <li>• Jaw thrust</li> <li>• Palpable and visual landmarks</li> </ul> <p><b>Defibrillation Chest</b></p> <ul style="list-style-type: none"> <li>• Compatible with all standard brands and types of defibrillators, monitors, and patient simulators</li> <li>• Internal load box absorbs full strength of every shock - designed to handle up to maximum recommended 360 Joules</li> </ul>			<p>Cricoid cartilage allows for practice of Sellickmanoeuvre</p> <p>Separate left and right lungs for auscultation</p> <p>Oral, nasal and digital intubation capabilities</p> <p>Suctioning capabilities</p> <p><input type="checkbox"/> <b>IV Arm:</b></p> <p>Articulated at biceps for antecubital and dorsal access</p> <p>Bony landmark at shoulder to identify muscle tissue for intramuscular injections</p> <p>Realistic flashback from a pressurised system</p> <p>Replaceable skin and veins</p> <p><input type="checkbox"/> <b>Blood Pressure Arm:</b></p> <p>Instructor determines systolic and diastolic levels, heart rate and sound volume</p> <p>Speaker in arm reproduces real blood pressure sounds</p> <p>Five Korotkoff sounds</p> <p>Auscultatory gap can be added</p> <p><input type="checkbox"/> <b>Defibrillation Chest:</b></p> <p>Completely compatible with all standard brands and types of defibrillators, monitors and patient simulators</p> <p>Manual, automatic and semi-automatic defibrillation rhythms</p>	
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**DESCRIPTION**

**MEDINOSTIC HEALTH CARE Pvt. Ltd**

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<ul style="list-style-type: none"> <li>• Manual, semi-automatic, automatic defibrillation</li> <li>• Monitor manikin like a real patient at 4 ECG sites and 2 defibrillation sites</li> </ul> <p><b>IV Arm</b></p> <ul style="list-style-type: none"> <li>• Articulated at the biceps for antecubital and dorsal access</li> <li>• Bony landmark at shoulder to identify muscle tissue for intramuscular injections</li> <li>• Realistic flashback from a pressurized system</li> <li>• Replaceable skin and veins</li> </ul> <p><b><u>Waveforms available for pacing include:</u></b></p> <ul style="list-style-type: none"> <li>• Sinus Brady</li> <li>• Junctional Brady</li> <li>• Second degree type I A-V block</li> <li>• Second degree type II A-V block</li> <li>• Second degree type II A-V block with PVCs</li> <li>• Third degree A-V block</li> </ul> <p><b>17 Adult/Pediatric Rhythms</b></p> <ul style="list-style-type: none"> <li>• V. Fib</li> <li>• V. Tach (Fast)</li> <li>• V. Tach (Slow)</li> <li>• V. Tach (Polymorphic)</li> <li>• A Flutter</li> </ul>			<p>detected at four ECG sites and two defibrillation sites</p> <p>Load box prevents shocks reaching the patient simulator</p> <p><input type="checkbox"/> <b>ECG:</b></p> <p><input type="checkbox"/> The only simulator that combines defibrillator and external pacer training features with adult and paediatric ECG rhythms</p> <p><input type="checkbox"/> Simulate electrical capture with an external pacer. Attach pacer to a manikin and initiate pacing. When pacer current is set to 70mA or more, paced beats appear on monitor</p> <p><input type="checkbox"/> Waveforms available for pacer training include:</p> <p>Sinus Brady</p> <p>Junctional Brady</p> <p>2nd degree type I A-V block</p> <p>2nd degree type II A-V block with PVCs</p> <p>3rd degree A-V block</p> <p><input type="checkbox"/> Simulate cardioversion with a manual, semiautomatic or automatic defibrillator</p> <p><input type="checkbox"/> Activate convert feature to select (before defib discharge) another rhythm to run immediately after defib discharge</p> <p><input type="checkbox"/> Waveforms available for defibrillator training include:</p>		
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**DESCRIPTION**

**MEDINOSTIC HEALTH CARE Pvt. Ltd**

**GLOW PAK INTERNATIONAL**

<ul style="list-style-type: none"> <li>• A Fib</li> <li>• Sinus Tach</li> <li>• SVT</li> <li>• Asystole</li> <li>• Sinus with PVCs</li> <li>• Sinus Brady</li> <li>• NSR</li> <li>• Junctional Brady</li> <li>• Second degree type I A-V block</li> <li>• Second degree type II A-V block</li> <li>• Second degree type II A-V block with PVCs</li> <li>• Third degree A-V block</li> <li>• Generate realistic 3-lead or 4-lead ECG rhythms</li> <li>• The RA, LA, and LL signal morphologies create accurate representations of the QRS, P, and T axes.</li> </ul>			<p>V. Fib  V. Tach (fast)  V. Tach (slow)  V. Tach (polymorphic)  Fib  Flutter I SVT  Sinus Tach  Sinus rhythm with PVCs  Asystole  NSR</p> <p><input type="checkbox"/> Use one simulator to generate both adult and paediatric rhythms:  With adult mode selected, all 17 waveform keys generate adult rhythms  With paediatric mode selected, all 17 waveform keys generate paediatric rhythms  Press key marked 'age group' to toggle between adult and paediatric modes  With 'age group' feature a total of 34 rhythms are available</p> <p><input type="checkbox"/> Generate realistic three or four lead ECG rhythms. The RA, LA and LL signal morphologies create accurate representations of the QRS, P and T axes</p> <p><input type="checkbox"/> Practice operating a defibrillator/external pacer without a manikin. Connect defibrillator/pacer</p>	
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**DESCRIPTION**

**MEDINOSTIC HEALTH CARE Pvt. Ltd**

**GLOW PAK INTERNATIONAL**

						<p>to simulator using pad adaptors. Built-in circuitry allows you to defibrillate and to pace directly into simulator and to observe ECG rhythms through the PADS connector</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> LED indicators illuminate for:                     <ul style="list-style-type: none"> <li>Pacer pulse detection</li> <li>Defib discharge detection</li> <li>Adult age group</li> <li>Paediatric age group</li> <li>Low battery</li> </ul> </li> <li><input type="checkbox"/> Battery saver feature switches off simulator automatically when not in use</li> </ul> <p><b>Package includes</b>                      Adult Crisis Manikin                      AN3670 INTERACTIVE ECG SIMULATOR  <b>MAKE: Adam,Rouilly-UK</b></p>		
2	<p><b><u>BLOOD PRESSURE SIMULATOR</u></b>                      Features include:</p> <ul style="list-style-type: none"> <li>• Durable control unit</li> <li>• Palpable radial pulse</li> <li>• Simple calibration procedure</li> <li>• Optional external speaker</li> </ul> <p>simulator allows the presetting of values for both systolic and diastolic pressures. Provides an excellent means to practice listening to and</p>	<p><b>Blood Pressure Simulator</b>                      Model : 1005828  <b>Make :</b> 3B Scientific, Germany  <b>Specs:</b>                      Systolic and diastolic pressures, auscultation gap and pulse rate are adjustable. The cuff pressure can be seen on a display. Features of the blood pressure training arm include:</p> <ul style="list-style-type: none"> <li>• Palpable radial pulse when cuff</li> </ul>	199500	199500	<p><b>Blood Pressure Simulator Cat n. AN1129</b>  <b>SKILLS</b>                      A simulator for teaching physical assessment, this Blood Pressure Simulator helps resolve the uncertainties common in teaching students to take blood pressure. This lifelike simulator allows the presetting of values for both systolic and diastolic pressures</p>	320000	320000	

**DESCRIPTION**

**MEDINOSTIC HEALTH CARE Pvt. Ltd**

**GLOW PAK INTERNATIONAL**

<p>distinguishing blood pressure sounds prior to actual clinical experience. It is possible to audibly discern the five Korotkoff phases. The electronically generated sounds are digitally recorded.</p> <p>Control Unit Allows Instructor to:</p> <ul style="list-style-type: none"> <li>• Select systolic and diastolic settings</li> <li>• Adjust volume</li> <li>• Turn auscultatory gap on or off</li> <li>• Adjust pulse rate</li> <li>• Easily calibrate unit for use with any sphygmomanometer</li> </ul> <p>Students:</p> <ul style="list-style-type: none"> <li>• Use normal procedure to place cuff on arm</li> <li>• Check palpable pulse at the radial site</li> <li>• Pump cuff</li> <li>• Pressures are activated at release valve</li> <li>• Read pressures on sphygmomanometer</li> <li>• Auscultate Korotkoff sounds with any stethoscope through a speaker in the arm</li> </ul> <p>The ideal way to broadcast blood pressure sounds to an entire classroom. The instructor can instantly change Korotkoff phases to compare audible differences, vary</p>	<p>pressure is less than the selected systolic blood pressure</p> <ul style="list-style-type: none"> <li>• Korotkoff sounds K1 to K4 (K5 is silence) are audible in the antecubital area between systolic and diastolic pressures</li> <li>• Korotkoff sounds are automatically silenced if auscultation gap is selected</li> </ul> <p>Korotkoff sounds are automatically adjusted depending upon selected heart rate and rate of cuff reduce space deflation</p>		<p>The ideal way to broadcast blood pressure sounds to an entire classroom</p> <p>The arm can be used for individual or group practice</p> <p>Provides an excellent means to practice listening to and distinguishing blood pressure sounds prior to actual clinical experience</p> <p>Five Korotkoff phases audibly discernible</p> <p><b>FEARTURES</b></p> <p>Redesigned control unit</p> <p>Simple calibration procedure</p> <p>Palpable radial pulse</p> <p>Students</p> <p>Use normal procedure to cuff arm and pump</p> <p>Check palpable pulse at the radial site</p> <p>Activate pressures at release valve</p> <p>Read pressures on sphygmomanometer</p> <p>Auscultate Korotkoff sounds with any stethoscope through a speaker in the arm</p> <p>Instructor</p> <p>Uses control unit to:</p> <p>Select systolic and diastolic settings</p> <p>Adjust volume</p> <p>Turn auscultatory gap on or off</p> <p>Adjust pulse rate</p>	
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**DESCRIPTION**

**MEDINOSTIC HEALTH CARE Pvt. Ltd**

**GLOW PAK INTERNATIONAL**

	pulse rate and volume, control systolic and diastolic pressures, and demonstrate the phenomenon of auscultatory gap. In addition to group presentations, the arm is included for individual practice.					Easily calibrate unit for use with any sphygmomanometer <b>Package Includes</b> Amplifier/Speaker System <b>Make: Adam-Rouilly-UK</b>		
3	<b><u>ADULT VENIPUNCTURE AND INJECTION TRAINING ARM</u></b>  The venous system simplifies setup with only one external fluid bag supplying artificial blood to all veins simultaneously. The dorsal surface of the hand includes injectable metacarpal, digital, and thumb veins. The antecubital fossa includes the median cephalic, median basilic, and median cubital veins. Venipuncture can also be performed along the basilic, cephalic, accessory cephalic, and median antebrachial veins. Intramuscular injections may be performed in the deltoid muscle and intradermal injection sites are located in the upper arm. . 8-line vascular system allows students to practice venipuncture at all primary and secondary locations, including starting IVs and introducing Over the Needle IV Catheters. Intramuscular injections	<b>Adult Venipuncture &amp; injection Training Arm</b> <b>Model :</b> 1000509 <b>Make :</b> 3B Scientific, Germany <b>Specs:</b> This injection arm, made of 3B SKINlike™ silicone, is unique in quality and design and allows realistic training to teach competence to medical staff. It is ideal for practicing: <ul style="list-style-type: none"> <li>• Intravenous injections</li> <li>• Correct puncture of peripheral veins for blood sampling. The following veins can be punctured: basilic vein, cephalic vein, median cubital vein, dorsal venous rete of hand</li> <li>• Positioning of a butterfly catheter</li> </ul>	<b>120000</b>	<b>120000</b>	<b>Adult Venipuncture and Injection Training Arm Cat n. 00330</b> The SV Arm is ideal for a clinical skills training environment where large numbers of trainees are practising this skill on a regular basis. Little technical knowledge is required for setup and maintenance, making this product perfect for students to use during self-directed learning time in a skills laboratory. This new product is a simplified version of our successful <a href="#">Advanced Venepuncture Arm</a> . It also incorporates improvements based on AV Arm customer feedback. <b>Improvements</b> Skins are more durable Veins last longer (500 insertions of 21g needle along 100mm length) Blood has been reformulated to improve leak resistance of veins. Supplied as a concentrated liquid to save you money and storage space.	<b>81000</b>	<b>81000</b>	

**DESCRIPTION**

**MEDINOSTIC HEALTH CARE Pvt. Ltd**

**GLOW PAK INTERNATIONAL**

<p>into the deltoid muscle are enhanced by the soft,. To extend the life of the veins, an aerosol sealant is available to seal punctures and prevent leakage, <b>Complete Venous Access:</b></p> <ul style="list-style-type: none"> <li>• Basilic V.</li> <li>• Cephalic V.</li> <li>• Digital V.</li> <li>• Dorsal Metacarpal V.</li> <li>• Median Basilic V.</li> <li>• Accessory Cephalic V.</li> <li>• Extensive Venipuncture System</li> <li>• Flexible Fingers and Wrist</li> <li>• Intradermal Injections</li> <li>• Intramuscular Injections</li> <li>• Median Antebrachial V.</li> <li>• Median Cephalic V.</li> <li>• Median Cubital V</li> <li>• Replaceable Skin and Veins</li> <li>• Thumb V.</li> </ul>			<p>Water soluble                  Digital pressure can be applied to veins in order to stem blood flow                  Bag &amp; Stand Mock Blood Supply allows for quick setup and refilling                  Infusion Tube allows for volume IV fluids to be administered                  Skills                  Venepuncture                  IV Cannulation                  IV Infusion  <b>FEATURES</b>                  Easy-to-use: technicians can quickly set up Arm whilst trainees can easily maintain blood level                  Veins are easy to replace                  Can be used with vacuum blood collection systems                  Realistic blood flashback                  Realistic, soft, flexible skin and underlying palpable veins                  Easy to clean, service and maintain                  Accessible veins: cephalic, basilic&amp; dorsal metacarpal                  Can be adapted for professional-to-patient communication (role play) using the Venepuncture Arm Harness  <b>PACKAGE INCLUDES</b></p> <ul style="list-style-type: none"> <li>• 1 Venepuncture Arm Skin - Light Part No: 00291</li> </ul>	
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**DESCRIPTION**

**MEDINOSTIC HEALTH CARE Pvt. Ltd**

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						<ul style="list-style-type: none"> <li>• 1 SV Arm Vein Part No: 00333</li> <li>• 1 SV Vein Module Part No: 00334</li> <li>• 1 Bag &amp; Stand Venepuncture Arm Mock Blood Supply Part No: 00336</li> <li>• 1 Concentrated Venous Blood - Starter Pack Part No: 00020</li> <li>• 1 Venepuncture Arm Infusion Tube Part No: 00335</li> <li>• 1 Venepuncture Arm Rest Part No: 00302</li> <li>• 1 Water-based Lubricant Part No: 00293</li> <li>• 1 arm shell</li> </ul> <p><b>Make: Limbs &amp; Things-UK</b></p>		
4	<p><b><u>PEDIATRIC MULTI-VENOUS IV TRAINING ARM</u></b></p> <p>venipuncture and intramuscular injection techniques and procedures used in young children</p> <ul style="list-style-type: none"> <li>• Exact reproduction of the arm of a six-year-old child.</li> </ul> <p>This model provides realistic sensation and response. The lifelike</p>	<p><b>Pediatric Multivenous Training Arm</b>  <b>Model : 1005239</b>  <b>Make : 3B Scientific, Germany</b>  <b>Specs:</b>                  Lifelike reproduction of an infant arm for mastering extremity venipuncture procedures and fluid administration in the superficial veins of the hand. Phlebotomy and Venipuncture are possible in antecubital fossa and</p>	78900	78900	<p><b>PEDIATRIC MULTI-VENOUS IV TRAINING ARM Cat n. AN958 SKILL</b></p> <ul style="list-style-type: none"> <li>• For venepuncture and intramuscular injection techniques and procedures used in young children</li> <li>• A simulated vein embedded</li> </ul>	100000	100000	

**DESCRIPTION**

**MEDINOSTIC HEALTH CARE Pvt. Ltd**

**GLOW PAK INTERNATIONAL**

	<p>vinyl skin actually rolls as you palpate to allow location of the vein. The synthetic rubber tubing for the veins was carefully selected to provide a lifelike simulation of vein size, and feeling of puncture and palpation for practicing venipuncture. A soft foam is used to simulate the deltoid muscle and allows the student to “get the feel” of administering intramuscular injections to children. Simulated bone in the shoulder defines and limits the injection area</p>		<p>dorsum of the hand. Fluid may be infused for realistic flashback</p>			<p>under the realistic skin provides the correct sensation of palpation and puncture</p> <ul style="list-style-type: none"> <li>• A soft foam simulates the deltoid muscle to allow intramuscular injections</li> </ul> <p><b>FEATURES</b></p> <ul style="list-style-type: none"> <li>• Replica of an arm of a six year old child</li> <li>• Simulated bone in the shoulder defines and limits the injection area</li> <li>• Water may be used as injection fluid in the shoulder area</li> </ul> <p><b>PACKAGE INCLUDES</b></p> <ul style="list-style-type: none"> <li>• Fluid supply bag</li> <li>• Ssyringe (3cc)</li> <li>• Artificial blood (500ml)</li> <li>• Instruction manual</li> <li>• Carrying case</li> </ul> <p><b>Make: Adam-Rouilly-UK</b></p>		
5	<p><b><u>INTRAMUSCULAR INJECTION SIMULATOR</u></b> Beginning health care students to administer intramuscular injections.</p>		<p><b>Intramuscular Injection Simulators.</b> <b>Model :</b> 1005586 <b>Make :</b> 3B Scientific, Germany <b>Specs:</b></p>	139100	139100	<p><b>INTRAMUSCULAR INJECTION SIMULATOR CAT N. AN961 SKILL</b></p> <ul style="list-style-type: none"> <li>○ Three types of intramuscular</li> </ul>	150000	150000

**DESCRIPTION**

**MEDINOSTIC HEALTH CARE Pvt. Ltd**

**GLOW PAK INTERNATIONAL**

<p>Always available for class demonstrations or practice by groups of 1 to 30, Intramuscular Injection Simulator offers both visual and tactile learning. A simulated bony structure is embedded in the torso and represents the superior end of the femur, or greater trochanter, the posterior superior and anterior superior iliac spines, and the sacrum. The bony structure provides palpable anatomical landmarks so students can identify proper injection sites. A section of the upper, outer quadrant of the left gluteal area is cut away to allow students to visualize the underlying structures. The gluteus medius and gluteus maximus muscles, sciatic nerve, and vascular structures are clearly shown. Three types of intramuscular injections can be taught and practiced on this simulator: dorsogluteal, ventrogluteal, and vastus lateralis injections</p>	<p>This simulator consists of an accurately modeled buttock with thighs to allow intramuscular injection by finding the correct injection region and needle insertion angle. The skin and muscle texture feel very lifelike, palpable anatomical landmarks such as the superior end of the femur (greater trochanter), posterior and anterior superior iliac spines and the sacrum can be felt. With this simulator you can practice gluteus medius, ventrogluteal and vastus lateralis intramuscular injections.</p>		<p>injections may be practiced:</p> <ul style="list-style-type: none"> <li>• Gluteus medius</li> <li>• Ventrogluteal</li> <li>• Vastuslateralis</li> </ul> <p><b>FEATURES</b></p> <ul style="list-style-type: none"> <li>• A simulated bony structure is embedded in the torso and represents the superior end of the femur or greater trochanter, the posterior superior and anterior superior iliac spines and the sacrum</li> <li>• The bony structure provides palpable anatomical landmarks so the student can identify proper injection sites</li> <li>• A section of the upper, outer quadrant of the left gluteal area is cut away to allow students to observe the underlying structures</li> <li>• The gluteus medius and gluteus maximus muscles, sciatic nerve, and vascular structures are clearly show</li> </ul> <p><b>INCLUDES</b></p>	
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						<ul style="list-style-type: none"> <li>• Syringes</li> <li>• Instruction manual</li> <li>• Carrying case</li> </ul> <p><b>Make: Adam-Rouilly-UK</b></p>		
6	<p><b><u>SUTURE PRACTICE LEG</u></b>  Realistic skin texture with wrinkles, pores, and visible fingerprints. Soft and pliable for easy sewing, the skin is tough enough that sutures will not pull out when tightened. The unit is provided with three “wounds.” These “wounds” can be sutured repeatedly until the skin around them is finally worn out; then, new “wounds” can be cut. Although disposable, the leg provides hundreds of suturing experiences before wearing out. Conservatively, over one hundred cuts can be made on the trainer and each of these cuts can be sutured several times. Comes complete with a starter package of sutures and instruction booklet</p>	<p><b>Suture Practice trainers(Leg)</b>  <b>Model :</b> 1005683  <b>Make :</b> 3B Scientific, Germany  <b>Specs:</b>  Made with a soft vinyl skin over a core of stitchable foam to provide a lifelike suturing experience for students or a realistic suturing demonstration by an instructor.</p>	<b>57500</b>	<b>57500</b>	<p><b>SUTURE PRACTIC LEG CAT N. AN1034</b></p> <p><b>SKILL</b></p> <ul style="list-style-type: none"> <li>• Model is made with soft vinyl skin cover over a core of stitchable foam to provide a realistic suturing practice</li> </ul> <p><b>FEATURES</b></p> <ul style="list-style-type: none"> <li>• Model contains three wounds which may be sutured repeatedly until the skin around them is worn out</li> <li>• New wounds can then be cut</li> <li>• The skin is tough enough to ensure that sutures will not pull out when tightened</li> </ul> <p><b>PACKAGE INCLUDES</b></p> <ul style="list-style-type: none"> <li>• A starter suturing kit</li> <li>• Instruction manual</li> </ul> <p><b>Make: Adam-Rouilly-UK</b></p>	<b>63000</b>	<b>63000</b>	



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<p>7</p>	<p><b><u>SUTURE PRACTICE ARM</u></b></p> <p>Realistic skin texture with wrinkles, pores, and visible fingerprints. Soft and pliable for easy sewing, the skin is tough enough that sutures will not pull out when tightened. The unit is provided with three “wounds.” These “wounds” can be sutured repeatedly until the skin around them is finally worn out; then, new “wounds” can be cut. Although disposable, the arm provides hundreds of suturing experiences before wearing out. Conservatively, over one hundred cuts can be made on the trainer and each of these cuts can be sutured several times. Comes complete with a starter package of sutures and instruction booklet</p>	<p><b>Suture Practice trainers(Arm)</b>  <b>Model :</b> 1005585  <b>Make :</b> 3B Scientific, Germany  <b>Specs:</b>                  This arm is made of a soft vinyl skin over a foam allowing hundreds of suture practice sessions. The arm comes with 3 wounds, as well as several cuts which can be placed all over the arm, hand and fingers and sutured several times. The soft and pliable material guarantees the sutures will not pull out when tightened.</p>	<p><b>39300</b></p>	<p><b>39300</b></p>	<p><b>SUTURE PRACTICE ARM CAT N. AN1028</b></p> <p><b>FEATURES</b></p> <ul style="list-style-type: none"> <li>• Model contains three wounds which may be sutured repeatedly until the skin around them is worn out</li> <li>• New wounds can then be cut</li> <li>• The skin is tough enough to ensure that sutures will not pull out when tightened</li> </ul> <p><b>PACKAGE INCLUDES</b></p> <ul style="list-style-type: none"> <li>• A starter suturing kit</li> <li>• Instruction manual</li> </ul> <p><b>Make: Adam-Rouilly-UK</b></p>	<p><b>45000</b></p>	<p><b>45000</b></p>
<p>8</p>	<p><b><u>MALE CATHETERIZATION SIMULATOR</u></b></p> <p>Demonstration and practice in urinary catheterization without embarrassment or discomfort to the patient or the students. In addition, the catheterization simulator is useful for anatomical identification and demonstration of perineal care. Female Catheterization Simulator</p>	<p><b>Male Catheterization Simulator</b>  <b>Model :</b> 1005587  <b>Make :</b> 3B Scientific, Germany  <b>Specs:</b>                  This simulator consists of a male abdomen and allows you to feel the pressure and resistance caused by the mucosal folds, bulbous urethra and the internal urethral sphincter, just prior to the entrance into the bladder. When the catheter enters the bladder, artificial</p>	<p><b>145000</b></p>	<p><b>145000</b></p>	<p><b>MALE CATHETRIZATION SIMULATOR CAT N. AN855 SKILL</b></p> <ul style="list-style-type: none"> <li>• When inserting a lubricated catheter in the urethral orifice the student will feel the normal restrictions caused by the mucosal folds, bulbous urethra and the internal urethral sphincter, just prior to</li> </ul>	<p><b>155000</b></p>	<p><b>155000</b></p>

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	will help your students bridge the gap from classroom to bedside with ease and comfort. The student will feel the normal restrictions caused by the mucosal folds, bulbous urethra, and the internal urethral sphincter, just prior to entrance into the bladder. The experience teaches proper positioning and movement of the penis to allow the catheter to pass easily with a minimum of discomfort to the patient. Includes a hard carry case, lubricant, catheter, and teaching guide.		urine (water) will flow through the catheter. Proper positioning and movement of the penis during the catheterisation can be easily practiced.			<ul style="list-style-type: none"> <li>the entrance to the bladder</li> <li>When the bladder is successfully entered, water will flow from the catheter</li> <li>The experience teaches proper positioning and movement of the penis to allow the catheter to pass with minimum discomfort to the patient</li> </ul> <p><b>PACKAGE INCLUDES:</b></p> <ul style="list-style-type: none"> <li>Foley Catheter (size 16)</li> <li>Instruction manual</li> <li>Lubricant</li> <li>Carrying case</li> </ul> <p><b>Make: Adam-Rouilly-UK</b></p>		
9	<p><b><u>FEMALE CATHETERIZATION SIMULATOR</u></b></p> <p>Female Catheterization Simulator is constructed with a bladder reservoir, patient urethra, and a valve simulating the internal urethral sphincter. The normal feeling of resistance and pressure will be experienced as a catheter is passed through the urethra, past the sphincter, and into the bladder.</p>	<p><b>Female Catheterization Simulator</b>  <b>Model : 1005588</b>  <b>Make : 3B Scientific, Germany</b>  <b>Specs:</b>                  This simulator consists of a female abdomen and allows you to feel the pressure and resistance when a catheter is passed through the urethra and sphincter into the bladder. When the catheter enters the bladder, artificial urine (water) will flow through the catheter. Realistically moulded</p>	145000	145000	<p><b>FEMALE CATHETERIZATION SIMULATOR CAT N. AN856</b></p> <p><b>SKILLS</b></p> <ul style="list-style-type: none"> <li>Normal feeling of resistance and pressure is experienced as the lubricated catheter is passed through the urethra, past the sphincter and into the bladder</li> <li>After successfully entering</li> </ul>	150000	150000	

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<p>When the catheter enters the bladder, artificial urine (water) will flow from the catheter just as in a real patient, and the cuff must be completely deflated before the catheter is removed. Improper use of a Foley can result in damage to the simulator. This simulator is the torso of a middle-aged woman with thighs abducted for proper position during catheterization. The external genitalia and perineum are molded in lifelike form. The labia minora can be spread apart naturally to reveal the clitoris, urethral opening, and vaginal introitus. Includes a hard carry case, lubricant, catheter, and teaching guide</p>	<p>external genitalia and perineum, labia minora, clitoris, urethral opening and vaginal introitus.</p>		<p>the bladder, water will flow from the catheter</p> <p><b>FEATURES</b></p> <ul style="list-style-type: none"><li>• The torso of a middle-aged woman with the thighs abducted for proper positioning during catheterisation</li><li>• The external genitalia and perineum are moulded realistically, and the labia minora can be spread apart to reveal clitoris, urethra orifice and vaginal introitus</li><li>• Constructed with a bladder reservoir, patent urethra and a valve simulating the internal urethral sphincter</li></ul> <p><b>PACKAGE INCLUDES</b></p> <ul style="list-style-type: none"><li>• Catheter</li><li>• Lubricant</li><li>• Instruction manual</li><li>• Carrying case</li></ul> <p><b>Make: Adam-Rouilly-UK</b></p>	
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10	<p><b><u>NG TUBE &amp; TRACH CARE SIMULATOR</u></b>                  patients with respiratory conditions and the practice of gastrointestinal care procedures via nasal and oral access. Head features anatomical landmarks, trachea, esophagus, simulated lungs, and stomach. Lungs and stomach may be filled with fluid for realistic practice of many procedures, including: tracheostomy care; tracheal suctioning; NG tube insertion and removal; NG tube irrigation, instillation, and monitoring; feeding tube insertion and removal; gastric lavage and gavage; nasoenteric and esophageal tube insertion, care, and removal; oropharyngeal and nasopharyngeal insertion and suctioning; and insertion, securing, and care of endotracheal tubes.</p>	<p><b>NG Tube &amp; Trach Cre Simulator.</b>  <b>Model :</b> 1006058  <b>Make :</b> 3B Scientific, Germany  <b>Specs:</b>                  The Life/form® NG Tube &amp; Trach Skills Simulator has been developed to aid with the instruction, training and practice of vital tracheostomy skills and care for patients with respiratory conditions. The simulator is also designed for instruction of gastrointestinal care procedures through nasal and oral access.</p>	252600	252600	<p><b>NG TUBE &amp; TRACH CARE SIMULATOR CAT N. AN1174</b>  <b>SKILL</b></p> <ul style="list-style-type: none"> <li>• Developed to aid with the instruction, training, and practise of vital tracheostomy skills and care for patients with respiratory conditions</li> <li>• Designed for instruction of gastro-intestinal care procedures through nasal and oral access</li> <li>• Practise changing dressings and cuff inflation</li> <li>• NG tube care, including insertion, irrigation, and removal</li> <li>• Gastric lavage and gavage</li> <li>• Feeding tube insertion and removal with the ability to practice feeding</li> <li>• Nasoenteric and esophageal tube care</li> <li>• Oropharyngeal and nasopharyngeal care</li> </ul>	240000	240000
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						<p>ET tube care</p> <p><b>FEATURES</b></p> <ul style="list-style-type: none"> <li>• With a newly designed head and torso, this simulator features realistic landmarks, trachea, oesophagus, lungs, and stomach</li> <li>• For exceptional realism, methyl cellulose can be mixed with water to simulate mucous-like fluids of a real patient</li> <li>• Fluid can be added to the lungs and stomach for realistic tracheostomy care and suction</li> </ul> <p><b>PACKAGE INCLUDES</b></p> <ul style="list-style-type: none"> <li>• Spray-pump lubricant</li> <li>• packet of methyl cellulose</li> <li>• instruction manual</li> </ul> <p><b>Make: Adam-Rouilly-UK</b></p>		
11	<p><b><u>BREAST EXAMINATION SIMULATOR</u></b></p> <p>A unique feature of this simulator is the realistic fluid breast mass. This mass allows displacement of breast</p>		<p><b>Breast Examination Simulators.</b></p> <p><b>Model :</b> 1000344</p> <p><b>Make :</b> 3B Scientific, Germany</p> <p><b>Specs:</b></p> <p>Very realistic natural casting of three</p>	80300	80300			

	<p>tissue under palpation almost exactly as it occurs in a live patient. Each breast contains abnormalities. The left has a small nodule in the upper outer quadrant and a fibroadenoma in the lower inside quadrant. The right breast has a fixed lump in the upper outer quadrant, a fluid filled cyst in the lower inside quadrant, and a round lump movable discrete mass directly under the nipple.</p> <p>The simulator allows women to practice all phases of breast examination in both a sitting and supine position. This lightweight simulator is designed with a concave back to allow placement against the patient for ease in demonstrating or practicing palpation techniques.</p>	<p>different female breasts in C and D cups, to train and practice breast examination.</p> <ul style="list-style-type: none"> <li>• Made of new 3B SKINlike™ high-quality silicone</li> <li>• Displays the skin in finest detail</li> <li>• Very realistic to the touch and dermatologically tested</li> <li>• Benign and malignant tumors in different stages of development are featured in two breasts</li> </ul> <p>A healthy breast is supplied for comparison</p>					
12	<p><b><u>TESTICULAR EXAMINATION SIMULATORS</u></b></p> <p>Self-examination of the testicles is just as important as self-examination of the female breasts for early detection of tumors. Providing exceptional realism, this simulator features soft, thin outer skin with delicate underlying structures and four embedded, simulated tumors.</p>	<p><b>Testicular Examination Simulators.</b>  <b>Model :</b> 1000346  <b>Make :</b> 3B Scientific, Germany  <b>Specs:</b>  This life-size testicle model offers an extremely natural feel. By using SKINlike™ (dermatologically tested), 3B's new high-quality silicon, learning and practicing self-examinations of the testicles becomes even more realistic. The scrotum contains two movable</p>	<b>25000</b>	<b>25000</b>	<p><b>TESTICULAR EXAMINATION</b></p> <p><b>SIMULATOR CAT N. AN1143</b></p> <p><b>SKILLS</b></p> <ul style="list-style-type: none"> <li>• Self-examination of the testicles is just as important as self examination of the breasts for early detection of tumours Ideal for teaching proper</li> </ul>	<b>36000</b>	<b>36000</b>

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	Ideal for teaching proper palpation techniques.		testicles, the epididymi and the spermatic cords for palpation. Two pathological findings can be felt in the left testicle. The front of the model also includes a replica of the beginning of the penis.			<p>palpation techniques</p> <p><b>FEATURES</b></p> <ul style="list-style-type: none"> <li>• Provides exceptional realism</li> <li>• Soft, thin outer skin with delicate underlying structures</li> <li>• Four embedded, simulated tumours</li> </ul> <p><b>PACKAGE INCLUDES</b></p> <ul style="list-style-type: none"> <li>• Baby powder</li> <li>• Laminated tumour location simulator care card</li> <li>• Instruction manual</li> <li>• Storage box</li> </ul> <p><b>Make: Adam-Rouilly-UK</b></p>		
13	<p><b><u>SUTURE TUTOR TRAINEE KIT</u></b></p> <p>Suture Tutor is designed as a resource to help convey the essential skills required for making skin incisions and suturing in a variety of methods.</p> <p>Topics Covered:</p> <ul style="list-style-type: none"> <li>• Safe handling of materials</li> <li>• Instrument management</li> <li>• Planning and performing a linear incision</li> <li>• Interrupted suturing</li> </ul>		<p><b>SUTURE TUTOR. Trainee Kit</b>  <b>Model : 1005147</b>  <b>Make : 3B Scientific, Germany</b>  <b>Specs:</b>                  This is a basic skill trainer which offers a limited facility for knot tying. The foam can be turned over and or replaced.</p> <ul style="list-style-type: none"> <li>• Highly portable</li> <li>• Rubber suction feet secure the base providing easy working conditions</li> <li>• Washable, durable and all parts replaceable</li> </ul>	<b>46000</b>	<b>46000</b>	<p><b>SUTURE TUTOR TRAINEE KIT</b>  <b>CAT N. 90021</b>                  Each compact and portable Trainee Kit contains a CD-ROM with single user software licence and all the relevant instruments, surgical consumables and synthetic soft tissue models necessary for ‘hands-on’ skills training and skills reinforcement.                  Covers: Safe handling of materials, Instrument management, Planning &amp; performing a linear incision, Interrupted suturing,</p>	<b>21600</b>	<b>21600</b>

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	<ul style="list-style-type: none"> <li>• Subcuticular continuous suturing</li> <li>• Knot tying</li> </ul> <p>Each compact and portable Trainee Kit contains the CD-ROM with single user software license and all the relevant instruments, surgical consumables and synthetic soft tissue models necessary for 'hands-on' skills training and skills reinforcement.</p>					<p>Subcuticular continuous suturing, and Knot tying.</p> <p><b>MAKE: LIMBS&amp;THINGS-UK</b></p>		
14	<p><b><u>LOCAL ANAESTHESIA FOR MINOR SURGERY TRAINEE KIT</u></b></p> <p>Local Anesthesia for Minor Surgery is designed as a resource to help convey the essential skills and techniques required to perform local anesthesia for minor surgery using ring blocks and various infiltration techniques</p> <p>Topics Covered:</p>					<p><b>LOCAL ANEASTHESIA FOR MINOR SURGERY TRAINEE KIT CAT N. 90031</b></p> <p>Each compact and portable Trainee Kit contains a CD-ROM with single user software licence and all the relevant instruments, surgical consumables and synthetic soft tissue models necessary for 'hands-on' skills training and skills reinforcement.</p> <p>Covers: Syringes &amp; needles, Drugs &amp; dosage, Infiltration</p>	<b>18000</b>	<b>18000</b>



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	<ul style="list-style-type: none"> <li>• Syringes and needles</li> <li>• Drugs and dosage</li> <li>• Infiltration anesthesia</li> <li>• Ring Block</li> </ul> <p>Each compact and portable Trainee Kit contains the CD-ROM with single user software license and all the relevant instruments, surgical consumables and synthetic soft tissue models necessary for 'hands-on' skills training and skills reinforcement.</p>					<p>anaesthesia, and Ring Block.  <b>MAKE: LIMBS&amp;THINGS-UK</b></p>		
15	<p><b><u>MINOR SKIN PROCEDURES TRAINEE KIT</u></b></p> <p>Minor Skin Procedures is designed as a resource to help convey the essential skills and techniques required to perform minor surgical procedures on lesions which are on, in or just under the skin.</p>	<p><b>MINOR SKIN PROCEDURES Trainee Kit</b>  <b>Model :</b> 1005134  <b>Make :</b> 3B Scientific, Germany  <b>Specs:</b></p> <ul style="list-style-type: none"> <li>• Economical reversible pad</li> <li>• The material has been designed to make complex incisions such as "flap and dog turn" suturing more realistic</li> <li>• A sub-dermal layer is present so that</li> </ul>	<b>72000</b>	<b>72000</b>	<p><b>MINOR SKIN PROCEDURES TRAINEE KIT CAT N. 90041</b>  Each compact and portable Trainee Kit contains a CD-ROM with single user software licence and all the relevant instruments, surgical consumables and synthetic soft tissue models necessary for 'hands-on'</p>	<b>39600</b>	<b>39600</b>	

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	<p>Topics Covered:</p> <ul style="list-style-type: none"> <li>• Instrument management</li> <li>• Snip and shave execution</li> <li>• Curettage</li> <li>• Haemostasis</li> <li>• Making a linear incision</li> <li>• Ellipse opening and closure</li> <li>• Epidermal cyst removal</li> <li>• Dissection</li> <li>• Lipoma removal</li> <li>• Subcuticular suturing</li> </ul> <p>Each compact and portable Trainee Kit contains the CD-ROM with single user software license and all the relevant instruments, surgical consumables and synthetic soft tissue models necessary for 'hands-on' skills training and skills reinforcement.</p>		<p>it is possible to make secure intra-dermal sutures</p> <ul style="list-style-type: none"> <li>• Base has suction feet to enable slip free use</li> </ul>			<p>skills training and skills reinforcement.</p> <p>Covers: Instrument management, Snip &amp; shave execution, Curettage, Haemostasis, Making a linear incision, Ellipse opening&amp; closure, Epidermal cyst removal, Dissection, Lipoma removal, Subcuticular suturing, and Knot tying.</p> <p style="text-align: right;"><b>MAKE: LIMBS&amp;THINGS-UK</b></p>		
16	<p><b><u>TOENAIL TRAINEE KIT</u></b></p> <p>Ingrowing Toenail is designed as a resource to help convey the essential skills and techniques required in the application of a tourniquet and wedge excision of an ingrowing toenail.</p> <p>Topics covered:Instrument management</p>					<p><b>TOENAIL TRAINEE KIT CAT N. 90051</b></p> <p>Each compact and portable Trainee Kit contains a CD-ROM with single user software licence and all the relevant instruments, surgical consumables and synthetic soft tissue models necessary for 'hands-on'</p>	38700	38700

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	<ul style="list-style-type: none"> <li>• Ring Block</li> <li>• Applying the tourniquet</li> <li>• Wedge excision of nail</li> <li>• Phenolization of the nail bed</li> <li>• Dressing the toe Each compact and portable Trainee Kit contains the CD-ROM</li> </ul> <p>with single user software license and all the relevant instruments, surgical consumables and synthetic soft tissue models necessary for 'hands-on' skills training and skills reinforcement.</p>					<p>skills training and skills reinforcement. Covers: Instrument management, Ring Block, Applying the tourniquet, Wedge excision of nail, Phenolisation of the nail bed, and Dressing the toe. <b>MAKE: LIMBS&amp;THINGS-UK</b></p>		
17	<p><b><u>ADVANCED CHILDBIRTH SIMULATOR</u></b></p> <p>A total simulator for demonstration of all standard obstetrical procedures:</p> <ul style="list-style-type: none"> <li>• Fetal Palpation</li> <li>• Breech Birth</li> <li>• Normal Birth</li> <li>• C-Section Delivery</li> <li>• Episiotomy</li> <li>• Vertex Presentation</li> <li>• Prolapse of Umbilical cord</li> </ul> <p>Features include a removable</p>	<p><b>ADVANCED CHILDBIRTH SIMULATOR.</b> <b>Model :</b> 1005790 <b>Make :</b> 3B Scientific, Germany <b>Specs:</b> This versatile birthing simulator features the pelvic cavity with major anatomical landmarks and painted outline of bony pelvis. The birthing simulator allows intra-uterine manipulation and various training possibilities for prenatal, intra-partum, and postpartum skills as follows: Fetal palpation of fontanelles,</p>	130000	130000				

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	<p>diaphragm end plate and removable stomach cover for manual positioning of fetus; life-size pelvic cavity with all major anatomical landmarks; ultra-soft vulval insert for episiotomy exercises; simulated dorsosacral position for realistic delivery technique. Cannot do the Leopold procedure on this simulator. Forceps can be used during simulation. All parts in this simulator are replaceable. The Advanced Childbirth Simulator with vinyl skin includes two fetal babies with umbilical cords and placentas, spare stomach cover, two vulva inserts, four spare umbilical cords, two umbilical clamps, talcum powder, instruction manual, and soft carrying bag.</p>		<p>backbone, knees, and elbows Vertex presentation Normal vaginal delivery Complete, frank and footling breech delivery C-section delivery Vertex and breech presentations in multiple delivery Demonstration of placenta previa: total, partial, and marginal Prolapse of umbilical cord Ritgen's maneuver 3 soft vulva inserts for episiotomy exercises Normal delivery of umbilical cord and placenta Suction of baby's nose and mouth</p>					
18	<p><b><u>FORCEPS/VACUUM DELIVERY OB MANIKIN</u></b></p> <p>The manikin used in Advanced Life Support in Obstetrics (ALSO) training programs. Has all of the same realistic and</p>		<p><b>FORCEPS/VACUUM DELIVERY OB MANIKIN.</b> <b>Model :</b> 1000002 <b>Make :</b> 3B Scientific, Germany <b>Specs:</b> The birthing simulator also features: Anatomically correct female pelvis</p>	162000	162000	<p><b>FORCEPS/VACUUM DELIVERY</b></p> <p><b>OB MANIKIN Cat n. AS1377</b> <b>FEATURES</b></p>	222300	222300

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<p>accurate anatomical manikin features as in our OBstetrical Manikin #180, but with added features of premature and full term fetuses. The soft vinyl pelvis replicates resistance encountered in a delivery requiring forceps or vacuum intervention. The removable abdominal overlay provided with this manikin is different from those that come with the #180 OB manikin, but the overlays are interchangeable and optional. Powder to make simulated blood, extra vulva and soft carry bag is included.</p>	<p>with representation of internal landmarks as spinal column, angled birth canal, ileum, ischium, sacrum, sacro spinious ligaments and greater sciatic notch. Full term foetus with fontanelles and cranial sutures Placenta with six disposable umbilical cords and clamps Easily replaceable spare vulva Simulated blood powder Soft carrying bag The birthing simulator is a great addition to lesson on labor and the human childbirth process</p>		<ul style="list-style-type: none"> <li>• Easily replaceable extra vulva</li> <li>• The lifelike pelvic cavity has pronounced pelvic landmarks, located spinal column, angled birth canal, ilium, ischium, sacrum, sacrospinous ligaments and greater sciatic notch</li> <li>• The removable abdominal overlay provided with this manikin is different from those that come with the AS180 OBSTETRICAL MANIKIN, but the overlays are interchangeable and are available as optional extras.</li> </ul> <p><b>PACAKGE INCLUDES</b></p> <ul style="list-style-type: none"> <li>• Premature fetus</li> <li>• Full term fetus</li> <li>• Abdominal overlay</li> <li>• Air pump</li> <li>• Simulated blood powder</li> <li>• Replacement vulva</li> <li>• Instruction manual</li> </ul>	
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**DESCRIPTION**

**MEDINOSTIC HEALTH CARE Pvt. Ltd**

**GLOW PAK INTERNATIONAL**

						<ul style="list-style-type: none"> <li>Soft carrying bag</li> </ul> <p><b>Make: Adam, Rouilly-UK</b></p>		
19	<p><b><u>GYNECOLOGIC SIMULATOR</u></b></p> <p>Designed by physicians for physicians and health care providers, this gynecologic examination simulator combines the ability to demonstrate multiple gynecologic procedures as well as practice laparoscopic examination and minilaparotomy. Features: full-size adult female lower torso with relevant internal anatomic landmarks, bi-manual pelvic examination, palpation of normal and pregnant uteri, vaginal examination (including insertion of speculum), visual recognition of normal and abnormal cervixes, uterine sounding, IUD insertion and removal, contraceptive sponge insertion and removal, female condom insertion and removal, diaphragm and cervical cap insertion and removal, laparoscopic visualization and occlusion of fallopian tubes, minilaparotomy, one anteverted and one retroverted</p>	<p><b>GYNECOLOGIC SIMULATOR.</b>  <b>Model :</b> 1005789  <b>Make :</b> 3B Scientific, Germany  <b>Specs:</b>                  This gynecologic simulator represents a female adult lower body with removable soft outer skin as well as anatomically accurate female genital organs, fimbriae and ovaries. Various pelvic examinations including recognition of pathologies and placing of contraceptive devices can be trained on this gynecologic simulator</p>	141400	141400				

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	parous uterus, one 10-week pregnant uterus, one postpartum uterus, five normal cervices with patent os, four abnormal cervices, 10 fallopian tubes, realistically sculpted and anatomically accurate ovaries and fimbriae, and uterus and cervix feature patented “screw” design for fast and easy change-out.						
20	<p><b><u>FETAL MONITORING AND LABOR PROGRESS MODEL</u></b></p> <p>This versatile model provides a lifelike simulation for performance of vaginal examinations, assessing dilation, palpating fetal fontanelles and suture lines, and assessing position of the vertex. This three-dimensional model includes the fetal head, lower uterine segment, and cervix made from lifelike materials. The fetal model is encased in a durable plastic case which allows for easy visualization of parts. The fetal head can also be removed to practice fetal spiral electrode application while visualizing the procedure. All parts are easily removed for washing. A practice/resource guide is included with directions for use.</p>	<p><b>Fetal monitoring and Labor progress Model</b>  <b>Model : 1005579</b>  <b>Make : 3B Scientific, Germany</b>  <b>Specs:</b>                  The fetal monitoring and labor progress model set provides students with a realistic simulation of vaginal examinations, labor progress and insertion of the intrauterine pressure catheter. This fetal and labor model set is an excellent tool for teaching nursing, medical, or midwifery students. This lifelike 3D model includes:</p> <ul style="list-style-type: none"> <li>• Fetal head</li> <li>• Lower uterine segment</li> <li>• Cervix</li> </ul> <p>4 Interchangeable cervical dilation models</p>	119900	119900	<p><b>FETAL MONITORING AND LABOR PROGRESS MODEL</b>  <b>Cat n. W43045</b></p> <p>This model set provides realistic simulation of vaginal examinations, labour progress, and insertion of the intrauterine pressure catheter. An excellent tool for teaching nursing, medical, or midwifery students. The lifelike, 3-D model includes:</p> <ul style="list-style-type: none"> <li>• foetal head</li> <li>• foetal buttocks for breech presentation</li> <li>• four interchangeable cervical dilatation models (cervix 1: closed cervix; cervix 2: approx. 2cm; cervix 3: approx. 5cm; cervix 4: approx. 8-9cm). Comes with lubricant,</li> </ul>	98000	98000

						teaching suggestions, and carrying case. 14x13x21 cm; 4.8 kg <b>Make: 3b Scientific-Germany</b>		
21	<p><b><u>CERVICAL DILATATION/EFFACEMENT SIMULATORS</u></b></p> <p>Designed to facilitate the teaching, demonstration, and practice of cervical examination prior to birth. Every effort has been made to provide exceptional realism in these simulators so that the visual and tactile sensations experienced provide a positive transition to patient procedures. The complete simulator set consists of six separate 5" x 5" x 5" pelvic blocks. The external appearance of all six blocks is identical with the variations being in the internal structure. Internal texture, tissue density, and correct anatomical size are all carefully represented to provide the most realistic condition possible. The</p>	<p><b>Cervical Diltation/Effacement Simulator.</b> <b>Model : 1005599</b> <b>Make : 3B Scientific, Germany</b> <b>Specs:</b> This birthing simulator consists of 6 anatomical pelvic blocks which are ideal to teach, demonstrate and practice cervical examination prior to birth. Internal texture, tissue density and correct anatomical size are carefully represented to provide the most realistic female genital condition possible</p>	200600	200600	<p><b>CERVICAL DILATION/EFFACEMENT SIMULATORS CAT N. AN1069</b> <b>Skills</b> _ A set of six models for very easy comparison of the stages in cervical dilatation and effacement before birth _ No dilatation, no effacement _ 2cm dilatation, 50% effacement _ 2cm dilatation, full effacement _ 5cm dilatation, full effacement _ 7cm dilatation, full effacement _ 9cm dilatation, full effacement _ Allows students to compare the different carefully represented internal texture, tissue density and anatomy for each of the six</p>	225000	225000	



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	<p>simulators depict six different cervical conditions prior to birth. Each pelvic block is clearly identified on the bottom to indicate which condition exists internally. With predetermined measurements of the internal cervical condition, all guesswork or estimating on the part of the student and instructor is eliminated. Almost everyone's tactile understanding of 2 cm, 5 cm, 7 cm, and 9 cm dilatation and effacement conditions is identical, eliminating misconceptions and inaccurate patient condition evaluations. The Cervical Dilatation/Effacement Simulators include six separate pelvic blocks, teaching guide, and hard carrying case.</p>					<p>conditions  <b>Features</b>                  _ Cervical conditions featured in the six block models, each having an identical external appearance  <b>Includes</b>                  Instruction manual and carrying case. Lubricated surgical gloves must be worn when handling these models  <b>Make: Adam, Rouilly-UK</b></p>		
22	<p><b><u>MODEL FOR INTRAUTERINE CONTRACEPTIVE DEVICE INSERTION</u></b></p>		<p><b>MODEL FOR INTRAUTERINE CONTRACEPTIVE DEVICE INSERTION</b>  <b>Model :</b> 1005825  <b>Make :</b> 3B Scientific, Germany  <b>Specs:</b>                  This anatomically accurate model represents a section of the uterus, ovaries and fimbriae. The uterus is covered by a clear plastic window to</p>	58500	58500	<p><b>MODEL FOR INTRAUTERINE CONTRACEPTIVE DEVICE INSERTION CAT N. AS1912</b>  <b>Skills</b>                  _ Inexpensive hand held trainer to demonstrate insertion and placement of the IUD in the uterus  <b>Make: Adam, Rouilly-UK</b></p>	4500	4500

			allows easy visualization of insertion and placement of I.U.D. (I.U.D. not included).					
23	<p><b><u>SET OF 30 VIDEOS IN OBSTETRIC &amp; GYNAECOLOGY</u></b></p> <ol style="list-style-type: none"> <li>1. Anatomy for Beginners the Anatomy of Reproduction</li> <li>2. Caring for Premature Babies</li> <li>3. Fight for Life the anatomy of Survival Birth</li> <li>4. Menopause Facts and Myths</li> <li>5. Missing Women Female- Selective Abortion and Infanticide</li> <li>6. Surgical Procedures Part-II The peration laproscopically- Assisted Vaginal Hysterecotmy</li> <li>7. The human body hormones</li> <li>8. Waiting for a heartbeat the battle against miscaniage</li> <li>9. Estrogen is it for Every women</li> <li>10. Overcoming infertility</li> <li>11. The Twelve- Month Pregnancy</li> <li>12. Bladder disorder interstitial Cystitis</li> <li>13. Epidural Techniques in</li> </ol>						138600	138600

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<p>Childbirth 14. Brazelton on Parenting 15. Human Embryology     Highlights of Reproduction     Prenatal Developments 16. Human Embryology     Formation of sex cells and     chromosomal abnormalities     Part-I 17. Human Embryology     Formation of sex cells and     chromosomal abnormalities     Part-II 18. Reproductive of Sexual     Cycle in the female part-II 19. Human Embryology     Reproduction Sexual cycle in     the female 20. Fertilization Cleavage and     Implantation human     Embryology 21. The Development of Bone 22. Fetal Development 23. Pregnancy and Nutrition 24. Coping with discomforts of     pregnancy 25. The third trimester 26. Vaginal birth after cesarean 27. The Miracle of birth 28. Post partum caring 29. Breast feeding</p>							
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**DESCRIPTION**

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	The Gynecological Examination							
24	<p><b><u>NOSE BLEED TRAINER</u></b></p> <ul style="list-style-type: none"> <li>• Developed in conjunction with the ENT Department of Addenbrooke’s Hospital, Cambridge</li> <li>• This interactive model provides a practical test of skill for all those who are required to manage severe nose bleeding</li> <li>• Strongly recommended for all ENT and Casualty departments</li> <li>• For training in cautery and nose packing</li> <li>• Success of cautery, at four sites on septum, identified by light panel (battery included)</li> <li>• The trainee must identify the bleeding point, clear it by suction and deal with it either by nasal packing or cautery</li> </ul>					<p><b>NOSE BLEED SIMULATOR CAT N. AR305</b></p> <p>Developed in conjunction with the ENT Department of Addenbrooke’s Hospital, Cambridge.</p> <p><b>Skills</b></p> <ul style="list-style-type: none"> <li>_ This interactive model provides a practical test of skill for all those who are required to manage severe nose bleeding</li> <li>_ Strongly recommended for all ENT and Casualty departments</li> <li>_ For training in cautery and nose packing</li> <li>_ Success of cautery, at four sites on septum, identified by light panel (battery included)</li> <li>_ The trainee must identify the bleeding point, clear it by suction and deal with it either by nasal packing or cautery</li> </ul> <p><b>Features</b></p>	<b>117000</b>	<b>117000</b>

**DESCRIPTION**

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						<p>_ The interior of the nose has capillary tubes for delivering artificial blood at variable rates to four sites on the septum</p> <p><b>Includes</b></p> <ul style="list-style-type: none"> <li>_ Hard plastic head with soft nasal area</li> <li>_ Control box and 9v battery</li> <li>_ 10ml syringes (4)</li> <li>_ 50 ml syringe (1)</li> <li>_ AR204 Blood concentrate</li> <li>_ Instruction manual</li> </ul> <p style="text-align: center;"><b>Make: Adam, Rouilly-UK</b></p>		
25	<p><b><u>EYE RETINOPATHY TRAINER</u></b></p> <p>Offers excellent ‘hands-on’ experience and practice in the examination of eyes, and the use of an ophthalmoscope, with the emphasis on diabetic retinopathy</p> <p><b>Slides showing conditions and diseases of the Retina</b></p> <p><b>Diabetic retinopathy (According to National Screening Programmes England, Europe and WHO)</b></p>					<p><b>EYE RETINOPATHY TRAINER CAT . AR303</b></p> <p><b>Skills</b></p> <ul style="list-style-type: none"> <li>_ Offers excellent ‘hands-on’ experience and practice in the examination of eyes, and the use of an ophthalmoscope, with the emphasis on diabetic retinopathy</li> <li>_ The model is now supplied with a completely NEW set of images identifying conditions and diseases of the retina.</li> </ul>		

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<p>1. Background Diabetic Retinopathy                  2. Pre-Proliferative Diabetic Retinopathy                  3. Proliferative Diabetic Retinopathy                  4. Maculopathy                  5. Photocoagulation                  6. Ungradable  <b>Common Retinal Eye Conditions</b>                  7. Normal                  8. Glaucoma                  9. Papilloedema                  10. Optic Atrophy                  11. Medullated Nerve Fibres                  12. Age-related Macular degeneration, dry                  13. Multiple Retinal Haemorrhages                  14. High Myopia                  15. Hypertensive Retinopathy  <b>Less Common Retinal Conditions</b>                  16. Macular Scar (Toxoplasma)                  17. Retinal Detachment                  18. Choroidal Naevus                  19. Cytomegalovirus Retinitis                  20. Central Retinal Vein Occlusion                  21. Central Retinal Artery Occlusion                  22. Retinal Artery Emblus (Hollenhorst Plaque)                  23. Retinitis pigmentosa                  24. Angioid Streaks                  25. Malignant Melanoma                  26. Benign Disc Naevus</p>			<p>These are shown on a set of 27 interchangeable transparencies</p> <p><b>Features</b>                  _ The slides for use in the Retinopathy head can be placed in either the left or the right eye and are labelled accordingly</p> <p><b>Slides showing conditions and diseases of the Retina</b>  <b>Diabetic retinopathy (According to National Screening Programmes England, Europe and WHO)</b>                  1. Background Diabetic Retinopathy                  2. Pre-Proliferative Diabetic Retinopathy                  3. Proliferative Diabetic Retinopathy                  4. Maculopathy                  5. Photocoagulation                  6. Ungradable  <b>Common Retinal Eye Conditions</b>                  7. Normal</p>	
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	<p>27. Macular haemorrhage 28. Lipaemia Retinalis</p>				<p>8. Glaucoma 9. Papilloedema 10. Optic Atrophy 11. Medullated Nerve Fibres 12. Age-related Macular degeneration, dry 13. Age-related Macular degeneration, wet 14. High Myopia 15. Hypertensive Retinopathy <b>Less Common Retinal Conditions</b> 16. Macular Scar (Toxoplasma) 17. Retinal Detachment 18. Choroidal Naevus 19. Cytomegalovirus Retinitis 20. Central Retinal Vein Occlusion 21. Central Retinal Artery Occlusion 22. Retinal Artery Embolus (Hollenhorst Plaque) 23. Retinitis pigmentosa 24. Angioid Streaks 25. Malignant Melanoma 26. Benign Disc Naevus 27. Macular haemorrhage <b>Includes</b> _ Instruction leaflet describing details of each</p>		
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					slide _ Set of 27 slides <b>Make: Adam, Rouilly-UK</b>		
	<b><u>Skill lab Total</u></b>				<b>3667200</b>		<b>3378300</b>
	<b><u>Dental</u></b>				<b>Nil</b>		<b>21620100</b>
	<b><u>Nephrology</u></b>				<b>Nil</b>		<b>Nil</b>
	<b><u>Grand total</u></b>				<b>3667200</b>		<b>24998400</b>
	<b><u>2% earnest money</u></b>				<b>73344</b>		<b>499968</b>
	<b><u>Deposit earnest money</u></b>				74000 (valid	<b>valid</b>	<b>500000</b>

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**PRINCIPAL, KMDC**

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**DR. JAMAL SHAIK**  
**M.S SINDH GOVERNMENT HOSPITAL**

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**HOD PHYSIOLOGY**  
**KMDC**