



| Running Contract Details       |   |
|--------------------------------|---|
| Equipment Name                 | HD Laparoscopic set with instruments for Paediatric Surgery |
| Running Contract Valid Till    | 22-02-2025  |
| Tender Ref No                  | KMSCL/EP/T473/1037/2022                                     |
| Tendered Quantity              | 15  |
| Supplier Name                  | M/s Neoptic Surgicals                                       |
| GST No                         | 32ACFPK5938G1ZO   |
| Installation & Delivery Period | 8 Week(s)   |
| Up-time / PM vist              | 95% & 4 Visits per year                                     |
| Warranty period                | 3 Years   |

| Supplier`s Details  |                 |                            |
|---|-----------------|----------------------------|
| Address   | Contact Details |                            |
| 35/1476<br>Kripa South Janatha Road<br>Palarivattom<br>Kochi-682025 | Contact Person  | Mr. K.J Kurian             |
|   | Phone           |                            |
|   | Mobile No       | 9447039805                 |
|   | Email           | neopticsurgicals@gmail.com |

| Item-wise Price Details |  |   |                                    |             |
|-------------------------|--|---|------------------------------------|-------------|
| #                       | Item Details   | Unit Rate<br>(Incl.all taxes & charges) | Service Charges<br>(Through KMSCL) | Grand Total |
| 1                       | HD 3 Chip camera Head and control unit with recording facility<br><i>Model &amp; Make : 15880100001, 15880100001, 1588210105i &amp; 14880201221/ Stryker USA</i> | 1682290.4<br>Incl.GST :12%              | 124068.92                          | 1806359.32  |
| 2                       | <b>Medical Monitor</b><br><i>Model &amp; Make : 0240031020I/ Stryker</i>   | 367747.52<br>Incl.GST :12%              | 27121.38                           | 394868.9    |
| 3                       | <b>External Recording device</b><br><i>Model &amp; Make : UR4MD/ Stryker</i>   | 347649.24<br>Incl.GST :18%              | 24335.45                           | 371984.69   |
| 4                       | <b>Cold Light Source</b><br><i>Model &amp; Make : 02202200001, 0233065010/ Stryker</i>   | 418822.88<br>Incl.GST :12%              | 30888.19                           | 449711.07   |
| 5                       | <b>Electronic Insufflator</b><br><i>Model &amp; Make : 0620040610, Z146539, Z146039/ Stryker</i>   | 569311.68<br>Incl.GST :12%              | 41986.74                           | 611298.42   |
| 6                       | <b>Telescope 0 degree</b><br><i>Model &amp; Make : 0502503010/ Stryker</i>   | 249035.36<br>Incl.GST :12%              | 18366.36                           | 267401.72   |
| 7                       | <b>Telescope 30 degree</b><br><i>Model &amp; Make : 0502503030/ Stryker</i>  | 249035.36<br>Incl.GST :12%              | 18366.36                           | 267401.72   |

| Item-wise Price Details |   |                           |         |          |
|-------------------------|---|---------------------------|---------|----------|
| 8                       | <b>BABCOCK grasping forceps insulation, size 4/5mm, length 20-30cm without ratchet</b>  | 29042.04<br>Incl.GST :12% | 2141.85 | 31183.89 |
| 9                       | <b>BABCOCK grasping forceps insulation, size 4/5 mm, length 20-30cm, with ratchet</b>   | 36326.67<br>Incl.GST :12% | 2679.09 | 39005.76 |
| 10                      | <b>BABCOCK grasping forceps insulation, size 2/3 mm, length 20-30 cm, without ratchet</b>   | 35301.99<br>Incl.GST :12% | 2603.52 | 37905.51 |
| 11                      | <b>REDDICK- OLSEN Grasping Forceps rotating size 4/5mm length 20-30cm, with connector pin for Unipolar coagulation, double action jaws consisting of Plastic handle, without ratchet, outer tube with insert insulated</b>                              | 32817.3<br>Incl.GST :12%  | 2420.28 | 35237.58 |
| 12                      | <b>REDDICK - OLSEN grasping forceps rotating size 2/3mm, length 20-30cm with connector pin for Unipolar coagulation, double action jaws consisting of plastic handle, without ratchet, outer Tube with insert insulated</b>                             | 34801.98<br>Incl.GST :12% | 2566.65 | 37368.63 |
| 13                      | <b>Needle holder, with tungsten carbide inserts straight handle with ratchet size 5mm length 26-30cm</b>  | 47628.9<br>Incl.GST :12%  | 3512.63 | 51141.53 |
| 14                      | <b>Needle holder, with tungsten carbide inserts straight handle, with ratchet size 2.5/3mm length 20-30cm</b>   | 52824.14<br>Incl.GST :12% | 3895.78 | 56719.92 |
| 15                      | <b>8. Monopolar high frequency cord with 4mm plug for HF-unit, T, older models: length 300 cm</b>   | 5334.06<br>Incl.GST :12%  | 393.39  | 5727.45  |
| 16                      | <b>9. Laparoscopic Irrigation and suction cannula autoclavable, 5 mm</b>  | 20684.48<br>Incl.GST :12% | 1525.48 | 22209.96 |
| 17                      | <b>Silicone tubing set, for use with suction irrigation</b>   | 3000<br>Incl.GST :12%     | 221.25  | 3221.25  |
| 18                      | <b>11. KELLY Grasping Forceps, rotating, size 3mm, length 25-30cm, with connector pin for unipolar coagulation, double action jaws with luer lock adaptor for cleaning consisting of plastic handle without ratchet</b>                                 | 34463.98<br>Incl.GST :12% | 2541.72 | 37005.7  |
| 19                      | <b>KELLY grasping Forceps rotating, size 5mm, length 26-32cm, with connector pin for unipolar coagulation, double action jaws, with LUER lock adaptor for cleaning consisting of : plastic handle without ratchet outer tube with insert, insulated</b> | 30042.04<br>Incl.GST :12% | 2215.6  | 32257.64 |

| Item-wise Price Details |   |                           |         |          |
|-------------------------|---|---------------------------|---------|----------|
| 20                      | <b>Metzenbum Scissors, size 3mm, length 20cmm</b>                               | 34801.98<br>Incl.GST :12% | 2566.65 | 37368.63 |
| 21                      | <b>Metzenbum scissors, size 5mm, length 30-35cm double action jaws</b>          | 29042.04<br>Incl.GST :12% | 2141.85 | 31183.89 |
| 22                      | <b>Working insert for 5mm metzenbum scissors</b>                                | 12439.86<br>Incl.GST :12% | 917.44  | 13357.3  |
| 23                      | <b>Dissecting electrode, L-shaped size 5mm,</b>                                 | 10503.43<br>Incl.GST :12% | 774.63  | 11278.06 |
| 24                      | <b>STRAIGHT Scissors, size 5mm, length 30-32cm double action jaws</b>           | 29042.04<br>Incl.GST :12% | 2141.85 | 31183.89 |
| 25                      | <b>STRAIGHT Scissors, size 3mm, length 20-30cm double action jaws</b>           | 34689.04<br>Incl.GST :12% | 2558.32 | 37247.36 |
| 26                      | <b>11mm trocar with priramidal tip &amp; insuflation stopcock</b>               | 32543.18<br>Incl.GST :12% | 2400.06 | 34943.24 |
| 27                      | <b>6mm trocar with priramidal tip &amp; insuflation stopcock 12- 15 cm long</b> | 32505.54<br>Incl.GST :12% | 2397.28 | 34902.82 |
| 28                      | <b>3.9mm trocar with priramidal tip &amp; insuflation stopcock 7-10cm long</b>  | 27170.3<br>Incl.GST :12%  | 2003.81 | 29174.11 |
| 29                      | <b>2.5mm TROCAR with priramidal tip &amp; insuflation stopcock 5-7cm long</b>   | 27170.3<br>Incl.GST :12%  | 2003.81 | 29174.11 |
| 30                      | <b>Reducer 11mm / 5mm</b>   | 3727.02<br>Incl.GST :12%  | 274.87  | 4001.89  |
| 31                      | <b>Reducer 6mm / 3mm</b>  | 2938<br>Incl.GST :12%     | 216.68  | 3154.68  |
| 32                      | <b>Medium size Clips applicators reloadable 5mm</b>                             | 20000<br>Incl.GST :12%    | 1475    | 21475    |
| 33                      | <b>Medium large Clips applicator reloadable 5mm</b>                             | 52033.56<br>Incl.GST :12% | 3837.48 | 55871.04 |
| 34                      | <b>Clips medium size</b>  | 750<br>Incl.GST :12%      | 55.31   | 805.31   |
| 35                      | <b>Clips medium large</b>   | 710<br>Incl.GST :12%      | 52.36   | 762.36   |
| 36                      | <b>Loop applicator for use with 6mm trocar</b>                                  | 6663.46<br>Incl.GST :12%  | 491.43  | 7154.89  |
| 37                      | <b>5mm alligator forceps</b>  | 32317.3<br>Incl.GST :12%  | 2383.4  | 34700.7  |

| Item-wise Price Details |  |                           |                  |                   |
|-------------------------|--|---------------------------|------------------|-------------------|
| 38                      | <b>Cobra tooth tip forceps 5mm insulated with connector pin for unipolar coagulation</b>         | 33285.52<br>Incl.GST :12% | 2454.81          | 35740.33          |
| 39                      | <b>Cobra tooth tip forceps 3mm insulated with connector pin for unipolar coagulation</b>         | 34301.98<br>Incl.GST :12% | 2529.77          | 36831.75          |
| 40                      | <b>Right angle dissecting forceps 3mm insulated with connector pin for unipolar coagulation</b>  | 30058.5<br>Incl.GST :12%  | 2216.81          | 32275.31          |
| 41                      | <b>Right angled dissecting forceps 5mm insulated with connector pin for unipolar coagulation</b> | 28842.04<br>Incl.GST :12% | 2127.1           | 30969.14          |
| 42                      | <b>Maryland dissecting forceps 5mm insulated with connector pin for unipolar coagulation</b>     | 29042.04<br>Incl.GST :12% | 2141.85          | 31183.89          |
| 43                      | <b>Maryland dissecting forceps 3mm insulated with connector pin for unipolar coagulation</b>     | 34939.04<br>Incl.GST :12% | 2576.75          | 37515.79          |
| 44                      | <b>KNOT PUSHER FOR EXTRA CORPOREAL KNOTTING 3mm LENGTH 30cm</b>                                  | 6776.4<br>Incl.GST :12%   | 499.76           | 7276.16           |
| 45                      | <b>L-shaped with connector pin for unit polar coagulation, size 5mm working length 36cm</b>      | 10503.42<br>Incl.GST :12% | 774.63           | 11278.05          |
| 46                      | <b>L shaped with connector pin for unit polar coagulation, size 3MM, working length 36 cm</b>    | 6450.52<br>Incl.GST :12%  | 475.73           | 6926.25           |
| 47                      | <b>Bipolar coagulating forceps, length 30cm for use with 3.5mm trocar</b>                        | 58551<br>Incl.GST :12%    | 4318.14          | 62869.14          |
| 48                      | <b>32. 4-5mm atraumatic Bowel grasping forceps 26-32mm length</b>                                | 32117.3<br>Incl.GST :12%  | 2368.65          | 34485.95          |
| 49                      | <b>33. 4-5mm atraumatic Lung grasping forceps 26-32mm length</b>                                 | 32117.3<br>Incl.GST :12%  | 2368.65          | 34485.95          |
| 50                      | <b>34. 2.5mm dissecting forceps</b>  | 17094.52<br>Incl.GST :12% | 1260.72          | 18355.24          |
| 51                      | <b>2.5mm metzumbum scissors</b>  | 34189.04<br>Incl.GST :12% | 2521.44          | 36710.48          |
| 52                      | <b>36. Bipolar dissecting and coagulating forceps, length 30cm for use with 3.5mm trocar</b>     | 58019.38<br>Incl.GST :12% | 4278.93          | 62298.31          |
|                         |  | <b>5081495.07</b>         | <b>373456.58</b> | <b>5454951.65</b> |

| Annual / Comprehensive Maintenance Charges (Exl.Tax)                  |                      |                      |                      |                      |                      |                      |                       |
|---|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|-----------------------|
| Rate  | 4 <sup>th</sup> Year | 5 <sup>th</sup> Year | 6 <sup>th</sup> Year | 7 <sup>th</sup> Year | 8 <sup>th</sup> Year | 9 <sup>th</sup> Year | 10 <sup>th</sup> Year |
| <b>HD 3 Chip camera Head and control unit with recording facility</b> |                      |                      |                      |                      |                      |                      |                       |
| Labour  | 62,858.75            | 67,421.69            | 72,268.63            | 77,657.69            | 83,390.39            | 89,615.96            | 96,487.06             |
| Comprehensive   | 1,25,717.50          | 1,34,843.38          | 1,44,537.25          | 1,55,315.38          | 1,66,780.78          | 1,79,231.92          | 1,92,974.11           |

### **Other terms & conditions**

1. The supplier shall execute an agreement with the purchaser as per tender conditions (agreement format is given in the tender document).
2. The supplier shall submit performance security amounting to 5.00% of the value of the supply order.
3. The labour & comprehensive charges of equipment after the completion of warranty period is finalized by KMSCL as mentioned above.
4. Since discount rate is not applicable for equipment under Running Contract of KMSCL, purchase/supply order can be issued directly to supplier at the given rate with tax & other charges (exclusive of KMSCL service charges).
5. If purchase/supply order is issued directly to the supplier, KMSCL service charge need not be paid. But the copy of the said order may be forwarded to KMSCL for information.

### **Technical Specification**

#### **Equipment :HD 3 Chip camera Head and control unit with recording facility**

#### I. HD 3 chip High definition Camera System with recording facility (External or Internal)

1. The system should be truly Digital HDTV endoscopic video camera.
2. The system should have the minimum Resolution of 1920 x 1080 pixels, progressive scan and the consistent use of 16:9 format for Input & Output to guarantee genuine HD TV.

#### II. HD 3 chip High definition Camera Head

1. 3 chip HD Camera Head resolution 1920 x 1080 pixel, 3x1/3" CCD/CMOS Progressive Scan 60HZ at least with 2 freely programmable Camera Head buttons and optical zoom lens of 2x dynamic optical zoom range.
2. The system should have special features:
  - a. Should optimize image quality & Digital Source Sampling thus maximizing hi-fidelity image transmission.
  - b. The system should have Optical Zoom/ digital Zoom to enhance the quality of Image size & cross specialty standardization of the camera system, regardless of the telescope used
  - c. The system should automatically optimize all settings. The system should be ready to-use as soon as it is connected to the camera control unit.

#### III. HD 3 chip High definition Camera Control Unit

1. AGC: Microprocessor controlled
2. The system should have the following features:

- a. Camera system should have at least two camera buttons to control the various functions of the camera from the camera head.
- b. Should have the facility to add fiberoptic filter

3. All the camera head button functions can be also controlled by the keyboard/touch screen from a non sterile field.

4. Video Outputs – DVI,HD SDI,S-Video/ S-Video Converter

5. DVI Connecting Cable

6. Power supply — 220-240 VAC 50/60 HZ

7. Should have safety certificate from a competent authority CE issued by a notified body registered in European Commission / FDA (US) / STQC CB certificate / STQC S certificate or valid detailed electrical and functional safety test report from ERTL for camera system.

#### IV. Medical Monitor

1. Medical grade 26" or more FULL HD TFT/LCD/LED flat panel Monitor with color systems PAL, NTSC.

2. Maximum screen resolution 1920 x 1080 pixels, Image format 16:9

3. Video inputs: DVI, HD-SDI, VGA, S-Video, Composite

4. Video outputs: DVI, HD-SDI, S-Video

5. Power supply 220 - 240 VAC, 50/60 Hz

6. Monitor Stand, with integrated cable channel, for use with Monitor.

#### V. Recording Device

1. HD Image capture facility with External/ Inbuilt recording; Should supply the necessary storage hardware-External or Internal harddisk / USB drive of atleast 250GB capacity- along with..

2. Should be able to take video and still images during surgeries.

3. The system should support to take still images from recorded video footages

#### VI. Cold Light Source:

1. Xenon 300 watts/ LED light source

2. Long lamp life of minimum 500 hrs for Xenon/ 15000 hours for LED

3. Bulb life counter/ Life indicator on light source - optional

4. Standby mode

5. Universal jaw assembly to adapt any make of fibre optic cable

6. Fibre optic light cable with straight connector size 4.8mm or above, length 250cm or above. heat resistant

7. Heat Resistant

8. Adjustable brightness control

9. Should have Light intensity indicator.

#### VII. Electronic Insufflator

1. Electronic insufflator of 40 or above litres of high flow/ minute with paediatric mode

2. Soft approach pressure control for safe recovery of abdominal pressure.

3. Audio visual alarms

4. Should be supplied with in-let and out-let gas tubings, Universal Wrench and tools required, Sterile Filter package of 10 pieces.

5. Should work with input 200 to 240Vac 50 Hz supply.

6. Should have safety certificate from a competent authority CE / FDA (US)/ STQC CB certificate / STQC S certificate or valid detailed electrical and functional safety test report from ERTL. Copy of the certificate / test report shall be produced along with the technical bid.

VIII. Telescope 0° suitable for paediatric use – High definition Straight forward Telescope 0°, Enlarged view, Diameter 4 – 5.5 mm, length 29 – 35 cm, Autoclavable, Fiber optic light transmission incorporated.

IX. Forward – Oblique Telescope 30° suitable for paediatric use, High definition Enlarged, Diameter 4 – 5.5mm, length 29 – 35 cm, Autoclavable, fiber optic light transmission incorporated.

#### X. Instruments.

1. BABCOCK grasping forceps insulation, size 4/5mm, length 20 – 33 cm without ratchet : 1No, suitable for paediatric use

2. BABCOCK grasping forceps insulation, size 4/5 mm, length 20-33cm, with ratchet : 1No, suitable for paediatric use

3. BABCOCK grasping forceps insulation, size 2/ 3.5 mm (compatible with 3.5 – 3.9 mm Trocar), length 20-33 cm, without ratchet : 2 Nos, suitable for paediatric use

4. REDDICK-OLSEN or Equivalent Grasping Forceps rotating size 4/5mm length 20- 33cm, with connector pin for Unipolar coagulation, double action jaws consisting of Plastic handle, without ratchet, outer tube with insert insulated – 2 Nos, suitable for paediatric use

5. REDDICK – OLSEN or Equivalent grasping forceps rotating size 2/ 3.5mm, length 20- 33cm with connector pin for Unipolar coagulation, double action jaws consisting of plastic handle, without ratchet, outer Tube with insert insulated-1(one), suitable for paediatric use

6. Needle holder, with tungsten carbide inserts straight handle with ratchet size 5mm length 26-33cm-1(one), suitable for paediatric use

7. Needle holder, with tungsten carbide inserts straight handle, with ratchet size 2.5/ 3 mm(for use with 3 – 3.5 mm Trocar), length 20-30cm -1(one), suitable for paediatric use

8. Monopolar high frequency cord with 4mm plug for HF-unit, T, older models: length 300 cm -1(one)

9. Laparoscopic Irrigation and suction cannula autoclavable, 5 mm – 1 (one)

10. Silicone tubing set, for use with suction irrigation cannula – 1 (one)

11. KELLY/ Maryland Grasping Forceps, rotating, size 3mm, length 20-33cm, with connector pin for unipolar coagulation, double action jaws with luer lock adaptor for cleaning consisting of plastic handle without ratchet -1(one), suitable for paediatric use

12. KELLY/ Maryland grasping Forceps rotating, size 5mm, length 26-33cm, with connector pin for unipolar coagulation, double action jaws, with LUER lock adaptor for cleaning consisting of : plastic handle without ratchet outer tube with insert, insulated -1(one), suitable for paediatric use

13. Metzenbum Scissors, size 3 – 3.5mm, length 20 – 33 cm: 1(one), suitable for paediatric use
14. Metzenbum scissors, size 5mm, length 30-35cm double action jaws-1(one)
15. Working insert for 5mm metzenbum scissors - – 1 (one)
16. Dissecting electrode, L-shaped size 5mm, length 25-33cm, suitable for paediatric use
17. STRAIGHT Scissors, size 5mm, length 30-33cm double action jaws, suitable for paediatric use
18. STRAIGHT Scissors, size 3mm, length 20-33cm double action jaws, suitable for paediatric use
19. TROCAR, Reducer and clips-applicators
  - a) 11mm trocar with piramidal tip & insuflation stopcock – 1 (one)
  - b) 6mm trocar with piramidal tip & insuflation stopcock 10 - 15 cm long – 5 (five) suitable for paediatric use
  - c) 3.5 – 3.9 mm trocar with piramidal tip & insuflation stopcock 7-10cm long- 3(three) suitable for paediatric use
  - d) 3 - 3.5 mm trocar with piramidal tip & insuflation stopcock 5-7cm long – 3 (three) suitable for paediatric use
  - e) Reducer 11mm / 5mm – 1(One)
  - f) Reducer 6mm / 3mm – 2 (two)
  - g) Small / Medium size Clips applicators reloadable 5mm -1(one)
  - h) Medium large Clips applicator reloadable 10mm -1(one)
  - i) Clips medium size – 10 (ten)
  - j) Clips medium large – 10 (ten)
20. Loop applicator for use with 6mm trocar- 1(one)
21. 5mm alligator forceps-1(one)
22. Cobra tooth tip forceps 5mm insulated with connector pin for unipolar coagulation-1(one)
23. Cobra tooth tip forceps 3mm insulated with connector pin for unipolar coagulation-1(one)
24. Right angle dissecting forceps 3mm insulated with connector pin for unipolar coagulation -1(one)
25. Right angled dissecting forceps 5mm insulated with connector pin for unipolar coagulation - 1(one)
26. Maryland dissecting forceps 5mm insulated with connector pin for unipolar coagulation- 2 (two)
27. Maryland dissecting forceps 3mm insulated with connector pin for unipolar coagulation –2 (two)
28. Knot Pusher For Extra Corporeal Knotting 3mm Length 30 - 36cm-1(one) suitable for paediatric use
29. L-shaped with connector pin for unit polar coagulation, size 5mm working length 36cm-1(one)
30. L shaped with connector pin for unit polar coagulation, size 3 – 3.5MM, working length 36 cm-1(one) suitable for paediatric use
31. Bipolar coagulating forceps, length 20 - 39cm for use with 3.5mm trocar--1(one) suitable for paediatric use
32. 4-5mm atraumatic Bowel grasping forceps 25-33mm length -1(one) suitable for paediatric use



33. 4-5mm atraumatic grasping forceps 26-33mm length -1(one) suitable for paediatric use

34. 2/3mm dissecting forceps -2(two)

35. 2/3mm metzumbum scissors -1(one)

36. Bipolar dissecting and coagulating forceps suitable for paediatric use, length 20 - 33cm for use with 3.5mm trocar- 1(one)

37. Should have safety certificate from a competent authority CE issued by a notified body registered in European Commission / FDA (US) / STQC CB certificate / STQC S certificate or valid detailed electrical and functional safety test report from ERTL for camera system.

#### XI. Trolley

a. Should be supplied with suitable trolley.

b. Trolley should have provision to hold gas cylinders. Trolley should have at least 6 power sockets to connect the camera, insufflator, light source, monitor etc.

XII. The Camera, Light Source, Electronic Insufflator and instruments (except Small/ Medium size Clip applicator, Reducer, Loop applicator, Knot pusher, Bipolar coagulating forceps, Bipolar dissecting and coagulating forceps, Small / Medium size Clips applicators reloadable, Clips medium size, Clips medium large) should be from the same manufacturer.