



| Running Contract Details | |
|--------------------------------|--|
| Equipment Name | Bubble CPAP |
| Running Contract Valid Till | 25-03-2024 |
| Tender Ref No | KMSCL/EP/T412/340/2021 |
| Tendered Quantity | 250 |
| Supplier Name | M/s Nice Neotech Medical Systems Pvt Ltd |
| GST No | 33AABCN4311M1ZO |
| 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 | |
| No.85 Krishna Industrial Estate Vannagaram Mettukuppam Chennai 600 095 Tamil Nadu | Contact Person | K.Premkumar |
| | Phone | |
| | Mobile No | 9543455323 |
| | Email | sales@niceneotech.com |

| Item-wise Price Details | | | | |
|-------------------------|---|---|------------------------------------|-------------|
| # | Item Details | Unit Rate (Incl.all taxes & charges) | Service Charges (Through KMSCL) | Grand Total |
| 1 | Bubble CPAP <i>Model & Make : Nice 5060 S/M/s. nice Neotech Medical Systems Pvt. Ltd.</i> | 168000 Incl.GST :12% | 12390 | 180390 |
| 2 | Patient Circuit with humidifier Chamber | 2016 Incl.GST :12% | 148.68 | 2164.68 |
| 3 | Nasal Prongs small | 476 Incl.GST :12% | 35.11 | 511.11 |
| 4 | Nasal Prongs medium | 476 Incl.GST :12% | 35.11 | 511.11 |
| 5 | Nasal Prongs large | 476 Incl.GST :12% | 35.11 | 511.11 |
| 6 | Nasal Mask small | 504 Incl.GST :12% | 37.17 | 541.17 |
| 7 | Nasal Mask medium | 504 Incl.GST :12% | 37.17 | 541.17 |

| Item-wise Price Details | | | | | | | |
|--|----------------------|----------------------|----------------------|------------------------|----------------------|----------------------|-----------------------|
| 8 | Nasal Mask large | | | 504 Incl.GST :12% | 37.17 | 541.17 | |
| 9 | Infant Cap small | | | 392 Incl.GST :12% | 28.91 | 420.91 | |
| 10 | Infant Cap medium | | | 392 Incl.GST :12% | 28.91 | 420.91 | |
| 11 | Infant Cap large | | | 392 Incl.GST :12% | 28.91 | 420.91 | |
| 12 | Nasal Tubing | | | 728 Incl.GST :12% | 53.69 | 781.69 | |
| 13 | Nasal Cannula | | | 1120 Incl.GST :12% | 82.6 | 1202.6 | |
| 14 | Air Oxygen Blender | | | 80640 Incl.GST :12% | 5947.2 | 86587.2 | |
| | | | | 256620 | 18925.73 | 275545.73 | |
| Annual / Comprehensive Maintenance Charges (Exl.Tax) | | | | | | | |
| Rate | 4 th Year | 5 th Year | 6 th Year | 7 th Year | 8 th Year | 9 th Year | 10 th Year |
| Bubble CPAP | | | | | | | |
| Labour | 850.00 | 850.00 | 850.00 | 850.00 | 850.00 | 850.00 | 850.00 |
| Comprehensive | 1,500.00 | 1,500.00 | 1,500.00 | 1,500.00 | 1,500.00 | 1,500.00 | 1,500.00 |

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 :Bubble CPAP

Item Name: Bubble CPAP

1. Should be suitable for treating newborns with respiratory distress weighing 500 - 5000g.
2. The CPAP pressure with oscillations should be generated by creating resistance in water column and bubbling of exhaled gas in the water column.
3. Should essentially have the following components,

A. Servo Heated Humidifier

It should have servo controlled heated humidifier with following features,

- i. Temperature and flow sensor with feedback mechanism.
- ii. Monitoring temperature of gas at chamber end and near patient end.
- iii. Display for temperature of saturated gas.
- iv. Should have separate modes for invasive and non-invasive ventilation.
- v. Should have alarms for high temperature /low temperature, low water in chamber, Heater adapter faulty/disconnect, Temp cum probe faulty/disconnect and hardware faults. The Humidifier should provide a visual indication as to the location of the fault.

B. Patient Delivery system

- i. The patient heating circuit should have integrated spiral heated coil for uniform heating.
- ii. Humidification chamber should have facility for auto feed and have a chamber compressible volume of at least 260-300 ml. The chamber should have a max peak flow of at least 180l/m.
- iii. Should be supplied with Nasal prongs/masks of silicon useful for babies weighing between 750-2500g. It should be provided as standard accessory. The nasal masks should be suitable for preterm and term babies. The mask should be soft and anatomically shaped.
- iv. Should be supplied with flexible nasal tubing which should be adaptable with the infants movement.
- v. The nasal tubing should enable prong or mask re positioning and keep straps way from the patients face.
- vi. Should be supplied with infant caps for 17-36cm circumference.
- vii. Should be supplied with nasal cannula which should be kink proof and have adhesive to secure on skin and facilitate kangaroo mother care, The adhesive used should be neonate skin friendly.

C. CPAP Bubble Generator

- i. CPAP Bubble generator should have adjustable probe for pressure settings 3-10cm of H₂O. It should have detachable overflow container to maintain constant water level with a minimum volume of 500ml.
- ii. The system should have safety mechanism with pressure relief valve and ports for pressure and fio₂ monitoring.

D. Air-Oxygen Blender

- i. Should have portable and lightweight and weight under 2 kg.
- ii. Should have provision for adjusting fio₂ from 21%-100%.
- iii. The accuracy of the set value should be within $\pm 3\%$.
- iv. Should provide a output flow rate between 0-30LPM.
- v. The blender should be able to support an input supply pressure from 2-5 bar.
- vi. Should have inlets for connection of air and oxygen. Necessary tubing's and adapters to connect from the external gas supply sources (air and oxygen) may be supplied as standard accessories
- vii. Should also have provision for connecting to central air and central oxygen outlets. Necessary tubing's and adapters/key plugs may be supplied in this regard
- viii. Necessary adapters towards mounting the blender on IV pole may be supplied as standard.
- ix. Should be supplied with a flow meter (0-15LPM) including the wing nut towards controlling the output flow

4. Accessory should be supplied with the CPAP machine

- i. CPAP generator
- ii. Should be supplied with a trolley mounted on quality castors to fix the humidifier, CPAP generator, IV hooks, mounting brackets for gas supply lines etc. The required adapters/ fixtures for mounting the same should be supplied as standard.

5. Consumables

- A. Patient circuit with humidifier chamber
- B. Nasal prongs (small, medium, large)
- C. Nasal Masks (small, medium, large)
- D. Nasal Tubing
- E. Nasal cannula
- F. Infant caps (small, medium, large)
- G. The cost of the above mentioned accessory and consumables' are not included in the equipment cost as per the tender BOQ. Hence the order for these items shall be placed separately as per the rate fixed. The rate quoted which would be valid throughout the period of warranty.

- 6. Should have safety certificate from a complete 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
- 7. Should be provided with a comprehensive warranty of three years inclusive of accessory.
- 8. Should be supplied two copies of user manual.
- 9. Comprehensive training to be provided to the staff regarding the use of the equipment.
- 10. The cost of Blender shall be quoted separately in BOQ which will not be taken for evaluation. The warranty of Blender shall be one year.
- 11. The system should be able to facilitate both Bubble CPAP and High flow nasal cannula therapy for neonates without changing the CPAP circuit