



Running Contract Details	
Equipment Name	Neonatal incubator
Running Contract Valid Till	19-01-2025
Tender Ref No	KMSCL/EP/T473/1318/2022
Tendered Quantity	10
Supplier Name	M/s Arkon Medical Systems
GST No	32AAYFA0330M1ZF
Installation & Delivery Period	6 Week(s)
Up-time / PM vist	95% & 4 Visits per year
Warranty period	3 Years

Supplier`s Details		
Address	Contact Details	
No 33/2255C - Sreekala Bylane Near Ernakulam Medical Centre Vennala P.O Cochin - 682 026	Contact Person	Pothen John
	Phone	
	Mobile No	8138021100
	Email	info@arkonmedicalsyste.ms.com, info@arkonmedicalsyste.ms.in

Item-wise Price Details				
#	Item Details	Unit Rate (Incl.all taxes & charges)	Service Charges (Through KMSCL)	Grand Total
1	Neonatal incubator <i>Model & Make : 1186 C/FANEM LTDA</i>	988759.52 Incl.GST :12%	72921.01	1061680.53
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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
Neonatal incubator							
Labour	18,800.00	19,740.00	20,727.00	21,763.00	22,852.00	23,994.00	25,194.00
Comprehen sive	75,200.00	78,960.00	82,908.00	87,053.00	91,406.00	95,976.00	1,00,775.00

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 :Neonatal incubator

Should confirm to IEC -60601-1 electrical safety standard for medical equipment.

2. Should be a servo controlled incubator with a rise time of not more than 45 minutes and a temperature stability of +/- 0.2° C at steady state.
3. Should have the large baby access doors at both sides.
4. The double wall incubator canopy should be largest at least length 80 cm, width 50 cm, and height 45 cm to accommodate tubing and oxygen hood.
5. Should have four elbow operated access ports. Should also have one iris port for ventilator tubing and easy head access.
6. Should have at least four small ports for IV tube and one big iris port hole for other probe sensor cable.
7. Should be able to tilt the baby bed to 10 ° on either side without opening the canopy/doors of the incubator.
8. The mattress and it's internal airflow path should be easily disassembled for cleaning
9. The internal of the incubator should be moulded, rounded without any devices for easy cleaning and inhibiting bacterial growth.
10. Should have audio & visual display of alarm conditions.
11. The water level should be visible and should be able to refill water without opening the incubator.
12. Should have two temperature probes for patient skin temperature and auxillary temperature measurement.
13. Baby bed should be withdrawable from both sides.
14. Should have optional in-built baby weighing scale to measure the baby weight without disturbing baby.
15. Unit should be height adjustable.
16. Should have optional oxygen saturation set range from 21 to 60 %.
17. Should have humidity set range from 40 to 90%.
18. Should have trend display facility for temperature, humidity and oxygen
19. Should have provided with X-Ray tray holder.
20. Controller specification:

- i. Modes of operation : air mode , baby mode (servo mode)
- ii. Temperature measurement Range :
 - a. Air temperature : 10 -40 °C
 - b. Skin temperature : 20-42°C
 - c. Accuracy : +/-0.2 °C
 - d. Resolution : 0.1 °C
 - e. Interchangeability : +/- 0.1 °C
- iii. Display : should have colour display with control for Air temperature, patient temperature
- iv. Set temperature
 - a. Should display heater power in digital forms.
 - b. Should have alarm facility for different parameters.
- v. Temperature control range :
 - a. Air mode : 30 to 39 °C with a provision to override above 37 °C
 - b. Servo mode : 35 to 38 °C
- vi. Humidity setting range : 40 – 90 %.
- vii. Display range : 0-100 %
- viii. Oxygen control setting range : 21-65 %
- ix. (Optional)display range :21-100%
- x. Temperature alarms:
 - a. Baby set temperature : +/- 0.5 °C
 - b. Air set temperature : +/- 0.5°C
 - c. High / low air temperature
 - d. Air probe failure
 - e. Skin probe failure/ disconnect
 - f. Air flow failure/disconnect
 - g. Oxygen low/high
 - h. Humidity low/high
 - i. System failure alarms
 - j. Fan failure
 - k. Power failure

l. Air heater failure

m. Door opening

n. Water reservoir empty

o. Water heater failure (automatic heater should be cut off if the temperature inside the incubator exceeds 39.3° C

xi. Should have an override facility to increase the temperature more than 37° C in the incubator.

xii. Should use low noise blower for circulation of air inside the incubator less than 60 dB.

xiii. Should be provided with a big drawer for keeping essentials for the baby and 3 small trays.

xiv. Should be provided with height adjustable IV stand.

xv. Should have ISO 9001:2008 & ISO 13485 certified manufacturer.

xvi. Should have safety certificate from a competent authority CE issued by a notified body registered in the European commission / 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.?