



Notice Inviting e-Tender

West Bengal Medical Services Corporation Limited
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SUPPLY AND COMMISSIONING OF FACILITY BASED NEWBORN CARE (FBNC)
EQUIPMENTS IN THE HOSPITALS AND AND MEDICAL COLLEGES OF THE GOVT. OF
WEST BENGAL

(Submission of Bid through *online*)

Bid Reference No.: WBMSCL /NIT- 38 /2017

Dated – 20.07.2017

The following amendment have been made in the tender document,

Amendment –IV

Pulse Oxymeter

A. **Essential**

1. It should be portable, light weight and desktop pulse oxymeter.
2. It should have a large LED / LCD display (minimum size of 4.0 inches) so that numerical values are readable from a distance of at least 10 feet with naked eyes. Display should indicate numerical values of oxygen saturation and pulse rate along with graphical display of plethysmogram.
3. It should have a SpO₂ range of 1 to 100%.
4. It should have visual alarm for both upper and lower SpO₂ and Pulse rate and adjustable audio alarm volume.

5. It should have a facility to capture data for real time analysis at least for 24 hours.

6. The following SpO₂ probes and cable should be supplied with the machine:

a) Reusable neonatal probes (flex with moulded or detachable type rubber or silicon made): 2 (two) nos.

b) Finger probe including cable: 1 (one) nos. The cable length should not be less than 3 meters.

The warranty of each probe should be minimum of 01 (one) year. In case, a probe does not work within 1 (one) year from the date of its first use, the bidder will have to replace it by a new one.

7. It should have a minimum 5 hours of internal battery back-up. The battery should be rechargeable type.

8. Standards, Safety and Training

i. The Product should have safety certificate from a competent authority US FDA and CE (“Conformite Europeene”) from European Union notified body having 4 digit identification number (Copy of certificate to be produced).

ii. The medical devices should be ISO certified manufacture.

iii. Should have onsite service facility. The service provider should have the necessary equipment recommended by the manufacturer to carryout preventive maintenance test as per guidelines provide in the service / maintenance manual.

iv. Environmental Factors

Operating temperature. 10°C to 40°C

Storage temperature -10°C to 50°C

Operating humidity. 15% to 95%

9. Warranty for 2 years and 5 years of CMC after warranty. The warranty and CMC includes entire equipment including battery, SpO₂ extension cable etc. except probes.

10. Bidder should quote the price of different types of cables, battery and cost for upgradation to monitor methemoglobin (SpMet) etc. in Form 9 (a) & 9 (b). The same rate will be valid for 02 (two) years. After 02 (two) years, the rate may vary but should not exceed RBI inflation index.

B. Desirables (*Qualifying marks in desirable is 65*)

S. No.	Particulars/ Items	Characteristics	Variations	Points
1	Signal delay (Response time)	< 15 sec	NA	20
		15 sec to 25 sec	NA	10
		> 25 sec	NA	1
2	Averaging time	< 3 sec	NA	15
		3 sec to 8 sec	NA	10
		> 8 sec	NA	5
3	Accuracy of SpO ₂ (70% - 100%)	With motion	± 2 digits	5
			± 3 digits	3
			Not available	0
		With low perfusion	± 2 digits	5
			± 3 digits	3
			Not available	0
4	Accuracy of pulse rate	With motion	± 3 digits	5
			± 5 digits	3
			Not available	0
		With low perfusion	± 3 digits	5
			± 5 digits	3
			Not available	0
5	Frequency of capturing data for trending	Every 2 sec interval	NA	10
		Every 4 sec interval	NA	5
		Every 8 sec interval	NA	1
6	Frequency of capturing data for future review	Every 2 sec interval	NA	5
		Every 4 sec interval	NA	3
		Every 8 sec interval	NA	1
7	Duration of trending with data captured every 4 sec interval or equivalent duration if captured every 2 or 8 sec interval	> 120 hrs	NA	10
		48 hrs to 120 hrs	NA	8
		< 48 hrs	NA	5
8	Internal battery back up	> 9 hrs	NA	10
		5 – 9 hrs	NA	5
		< 5 hrs	NA	1
9	Screen Size	> 5 inches	NA	10
		4.0 – 5 inches	NA	5