

Notice Inviting e-Tender
West Bengal Medical Services Corporation Limited
Swasthya Bhawan Complex
GN-29, Salt Lake, Sector-V
Kolkata-700091

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SUPPLY OF PULSE OXIMETER WITH PROBE IN THE HOSPITALS AND MEDICAL COLLEGES OF THE GOVERNMENT OF WEST BENGAL.

(Submission of Bid through *online*)

Bid Reference No.: WBMISCL/NIT- 49/2014	Dated-08.08.2014
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The following amendment have been made in the tender document,

Amendment - III

REVISED TECHNICAL SPECIFICATION

Pulse Oxymeter

A. Essential

1. It should be portable, light weight and desktop model.
2. It should have a large LED / LCD display (minimum size of 6 inches) so that numerical values are readable from a distance of at least 6 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. SpO₂ cable and probe: 2 (two) reusable neonatal probes (flex with moulded or detachable type rubber or silicon made) & 1 (one) finger probe including cable with life span of at least one year. The cable length should not be less than 3 meters.
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 CE or US FDA (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. 5% to 95%
9. Warranty for 5 years and 5 years of CMC after warranty. The warranty and CMC includes entire equipment including battery, probes etc.
10. Bidder should quote the price of different types of probes, cables, battery, cost for upgradation to monitor methemoglobin (SpMet), etc. in Form 10 (a) & 10 (b). The same rate will be valid for 5 (five) years. After 5 (five) years, the rate may vary but should not exceed RBI inflation index.

B. Desirables (*Qualifying marks in Desirable is 60*)

SL. No.	Particulars/ Items	Characteristics	Variations	Points
1	Algorithm used*	Masimo SET	NA	20
		Nellcor (OxiMax)	NA	15
		Others	NA	10
2	Averaging time	≤ 2 secs	NA	15
		3 – 5 secs	NA	10
		> 5 secs	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	1
4	Accuracy of pulse rate	With motion	± 3 digits	5
			± 5 digits	3
			Not available	0
		With low perfusion	± 3 digits	5
			± 5 digits	1
5	Duration of trending with data captured every 2 sec interval	≥ 24 hrs to < 48 hrs	NA	5
		48 to < 72 hrs	NA	10
		≥ 72 hrs	NA	15
6	Internal battery back up	> 9 hrs	NA	15
		6 – 9 hrs	NA	10
		< 6 hrs	NA	5
7	Upgradable to monitor methemoglobin (SpMet)	Upgradable	NA	15
		Not upgradable	NA	1

* Weightage has been given based on number of International publications on neonates.