

Notice Inviting e-Tender

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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

The following amendments have been made in the tender document Published on 09/08/2014,

Amendment – X

PULSE OXIMETER WITH PROBE

REVISED TECHNICAL SPECIFICATION

A. Essential

1. It should be portable, light weight and desktop pulse oximeter.
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. 15% 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 65)

S. No.	Particulars/ Items	Characteristics	Variations	Points
1	Signal delay (Response time)	<25 sec	NA	20
		25 sec to 35 sec	NA	10
		>35 sec	NA	1
2	Averaging time	<3 sec	NA	20
		3 sec to 8 sec	NA	10
		>8 sec	NA	1
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	Frequency of capturing data for trending/ future review	Every 2 sec interval	NA	10
		Every 4 sec interval	NA	5
		Every 8 sec interval	NA	1
6	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
		49 hrs to 120 hrs	NA	5
		<49 hrs	NA	1
7	Internal battery back up	>9 hrs	NA	10
		6 – 9 hrs	NA	5
		<6 hrs	NA	1
8	Upgradable to monitor methemoglobin (SpMet)	Upgradable	NA	10
		Not upgradable	NA	1