



DR. RAM MANOHAR LOHIA INSTITUTE OF MEDICAL SCIENCES
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Ref. No. RMLIMS/MM(eq)/2019-20/5635-

Date: 04.02.2020

Notice for inviting comments/objections for purchase of CO Oximeter and Zetasizer on Proprietary Basis

The Institute is in process of purchase of CO Oximeter on proprietary basis submitted by the firm and user department in favour of M/s Masimo Corporation, wherein it has been certified and confirmed that CO Oximeter is proprietary product of M/s Masimo Corporation, Irvine, California 92618, United States of America 92618 USA and Zetasizer on proprietary basis submitted by the firm and user department in favour of M/s Malvern Panalytical Ltd., wherein it has been certified and confirmed that Zetasizer is proprietary product of M/s Malvern Panalytical Ltd., Enigma Business Park, Malvern, Worcestershire, U.K. WR141XZ.

The above documents with specifications will be uploaded on e-tender portal i.e. www.etender.up.nic.in from 05.02.2020 for open information to submit online objections, comments, if any from any manufacturer regarding proprietary nature of CO Oximeter and Zetasizer within 16.02.2020, failing which it will be presumed that any other vendor is having no comments, objections for above purchase on proprietary basis and case will be decided on merits.

The above details will also be available on our website www.drrmlims.ac.in for reference only. The objections/comments will be accepted On-Line only through above e-tender portal within above stipulated period.

Director

DR. RAM MANOHAR LOHIA INSTITUTE OF MEDICAL SCIENCES,
VIBHOOTI KHAND, GOMTI NAGAR, LUCKNOW

PROPRIETARY ARTICLE CERTIFICATE

It is certified that the items required should be purchased from
Masimo Corporation

who are the sole manufacture / agent of the sole manufactures

M/S Masimo Corporation

Similar items manufactured by other firm (s) shall not be suitable for our purpose for the following reasons :-

The item that we require is to be utilized for Analytical Toxicology lab. The item that we need is a proprietary item and as far as I know is the best of my knowledge, no other company or manufacturer are present in the world.

Requisition No.:

Department : Forensic Medicine & Toxicology.

Dated : 25/09/19

Signature of indenter

Designation & Signatures
of Head of Departments

N. B. :- The indenter before recording the above certificate should satisfy himself that the article is genuinely of Proprietary nature manufactured under patent laws.



Masimo Medical Technologies India Pvt. Ltd
70/2 Miller's Road, Miller's Boulevard, 2nd Floor
Bangalore 560052, Karnataka State

May 31, 2018

TO WHOM IT MAY CONCERN

This is to certify that the following technologies, and parameters are unique to pulse-oximeters and Co-oximeters manufactured by **Masimo Corporation**, are protected by patents, trademarks and or trade secrets as appropriate, and are proprietary to Masimo Corporation:

1. **Signal Extraction Technology™ (SET™)**: Proprietary technology protected by patents, trademark, and trade secrets, that allow the measurement of oxygen saturation in the blood, in spite of motion (Otherwise know as '**read through motion**') and low perfusion up to 0.02 Perfusion Index (PI)
2. **Rainbow SET™** or **Rainbow Technology**: Proprietary technology protected by patents, trademark, and trade secrets, that allow the non-invasive and continuous measurement of the following parameters:
 - i. Hemoglobin (SpHb)
 - ii. Carboxyhaemoglobin (SpCO)
 - iii. Methaemoglobin (SpMet)
 - iv. Pleth Variability Index (PVI)
 - v. Acoustic Respiration Rate (RRa)

The combination of these measurements in one device is unique to Masimo, and is available as required in Masimo's Radical & Pulse Oximeter, Rad9, Rad97, and Rad 97 with NIBP

Further, to the best of our knowledge, no other company or manufacturer in the market, other than those who have licensed the technology from Masimo, produces, or can offer **SET™**, **Rainbow SET™**, **Read through Motion**, or **Read through Low Perfusion up to 0.02 Perfusion Index**, technologies and capabilities.

For and on Behalf of Masimo Corporation:

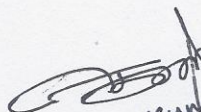


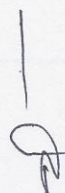
Bharat D. Monteiro
Country Manager - India & The Sub-continent

Seen
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Shandhu
Head of Department
Forensic Medicine & Toxicology
RMLIMS, LUCKNOW

Sl No.	Tender Specifications of Co-Oximeter
1.	Patient Monitor suitable for Non-invasive continuous Monitoring of Carboxyhemoglobin, Methemoglobin, Perfusion Index, Pulse Oximetry and Pulse rate in patients
2.	Should provide continuous measurement and display of Carboxyhemoglobin, Methemoglobin to enable clinician manage blood transfusions during and after surgeries
3.	Should be able to measure Continuous Carboxyhemoglobin, Methemoglobin, SpO2, Pulse rate, Perfusion Index through same single finger sensor
4.	Bedside monitor should have selectable SpO2 averaging Modes-2, 4, 8, 10, 12, 14 or 16 seconds & Sensitivity - APOD, Normal and Max
5.	Monitor should have Multi touch Backlit TFT LCD Colour Display with Adjustable Brightness.
6.	Should have inbuilt battery back-up for at least four hours
7.	Patient monitor should have rotational colour touch screen with automatic change to horizontal or vertical view
8.	Patient monitor should have facility to customize display to see parameter, waveforms or trends.
9.	Patient monitor should have trend function with facility to select one or two parameters and move, expand or collapse parameter trend for real time analysis
10.	Should have facility to store patient parametric data and display trend up to 96 hours at 2 seconds sampling rate
11.	Should have user configurable display settings and alarms for patient parameters
12.	Should have Audible and visual alarms for, High/Low SpCO, High/low SpMet, High/Low SpO2, High/Low Pulse Rate, Probe off, cable disconnect and low battery
13.	Display and Measurement Range
	SpMet (Methemoglobin) 0% to 99.9%
	SpCO (Carboxyhemoglobin) 0% to 99%
	Oxygen Saturation (SpO2) - 0 – 100%
	Pulse Rate (PR) - 25-240bpm
14.	Perfusion Index (PI) - 0.02-20%
	Accuracy
	Carboxyhemoglobin Level (SpCO): Range of 1% to 40%, Accuracy: 3%
	Methemoglobin Level (SpMet): Range 1% to 15% Accuracy: 1%
	Oxygen Saturation: Range: 70% to 100% Accuracy: $\pm 2\%$ (when no motion), $\pm 3\%$ (in motion), $\pm 2\%$ (in low perfusion)
	Pulse Rate: Range 25-240 bpm Accuracy: ± 3 bpm (when no motion), ± 5 bpm (in motion), ± 3 bpm (in low perfusion)
	* Resolution
	SpMet (Methemoglobin) :1%
	SpCO (Carboxyhemoglobin):1%
	Oxygen Saturation (SpO2)- 1% • Pulse Rate (PR) – 1 bpm • Perfusion Index (PI) – 0.01%
15.	Monitor should meet international quality and safety standards and should be USFDA and European CE approved product
16.	The vendor should quote price for sensors valid for at least three years
	The Patient Monitor should be supplied complete with Sensor for Carboxyhemoglobin, Methemoglobin, Spo2, PI - 10 nos.


 Dr Anoop Kumar Verma
 Prof. & HOD (FMT)
 ICMU, LKO


 Head Of Department
 Forensic Medicine & Toxicology
 RMLMS. LUCKNOW
