



RAJASTHAN MEDICAL SERVICES CORPORATION LTD.
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No. F-8() RMSC/EPM/M-3/NIB-533/2020-21/226

Dated: 24.11.2020

CLARIFICATION/CORRIGENDUM/ADDENDUM

Subject: Amended technical specifications and quantity of bid document of item (1) Pulse Oxymeter (Handheld), (2) Pulse Oxymeter (Fingertip) under No. F-8() RMSC/EPM/M-3/2020-21/NIB-533/125 date: 16.10.2020

In reference to subject cited above NIB-533, various representation received from the firms and issues raised by the bidder are examined by the competent authorities and technical committee. The following clarification/corrigendum/addendum is issued for inclusion in bid document of items as below:-

REVISED NOTICE INVITING BID (NIB-533/2020-21)

S. N.	Description of Goods under Procurement	Bid Value (Rs. In Lac)	Indicative Quantity (Number)	Minimum average Gross annual turnover for last three financial years (Rs. in Lac)	Minimum average gross annual turnover for last three financial years for (MSMEs of Rajasthan) (Rs. in Lac)	Bid Security (In Rs.)	Bid Security for MSME Units of Rajasthan (In Rs.)
1.	Pulse Oxymeter (Finger Tip) Including Battery	60000000	40000	18000000	9000000	600000	150000
2.	Pulse Oxymeter (HandHeld)	50000000	5000	30000000	15000000	500000	125000

REVISED TECHNICAL SPECIFICATIONS OF PULSE OXYMETER (HANDHELD)

1. Use	
1.1	Clinical Purpose Measurement and display of hemoglobin oxygen saturation (SPO2)
1.2	Used by clinical department/ward All
1.3	Overview of Functional Requirements Continuously displays patient oxygen saturation in real time using an external probe on the skin. Contains adjustable alarms to alert when either saturation or heart is low. Reusable sterilisable probes are robust and easily connected & disconnected. Operates from mains voltage or from internal rechargeable battery
2. Technical Characteristics	
2.1	Technical Characteristics (specific to this type of device) a. SpO ₂ measurement range at least 40-70 and 70-99% minimum gradation 1% b. Accuracy of SpO ₂ better than ±1% for range 40-70 and better than ±3% for range 70-99 c. Pulse rate range at least 30 to 240bpm, minimum gradation 1bpm d. Accuracy of pulse rate better than ± 5bpm e. Signal strength or quality to be visually displayed f. Audiovisual alarms required: high and low SpO ₂ and

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		pulse rate (Operator variable settings), Sensor disconnected sensor failure, low battery g. TFT Screen h. Plenthysmograph (may be in form of bar) display is mandatory
2.2	Settings	Should have minimum 24 hrs trend memory for SpO ₂ & PR
2.3	User's Interface	Easily accessible touch button to operate the machine
2.4	Software and/or standard of communication	In built
3. Physical Characteristics		
3.2	Weight (lbs, kg)	Should be less than 2 kg
3.3	Configuration	Case is to be hard and splash proof. Display must allow easy viewing in all ambient light levels. Supplied in protective case for clean storage and safe transport
3.4	Noise (in dBA)	<50dBA
3.5	Heat dissipation	Dispersed through exhaust
3.6	Mobility, Portability	Mobile
4. Energy Source (Electricity, UPS, Solar, Gas, Water, Co2)		
4.1	Voltage (value, AC or DC, Monophase or Triphase)	220 to 240V, 50 Hz
4.2	Battery operated	Internal/ replaceable/ rechargeable/external battery allows operation for at least four hours in the event of power failure. Battery charger to be integral to mains power supply and to charge battery during mains power operation of unit
4.3	Tolerance (to variations, Shutdown)	Voltage corrector/Stabliser/UPS to allow operation at $\pm 30\%$ of local rated voltage
4.4	Protection	Electrical protection by resettable circuit breakers in both live and neutral supply lines. Alarms should include power failure.
4.5	Power Consumptions	50-100W
4.6	Other energy supplies	Mains supply cable to be at least 3m in length
5. Accessories, Spare Parts, Consumables		
5.1	Accessories	One reusable probes each for adult, pediatric and infant use. Y probes with clips for infant use and forehead SpO ₂ sensors for detection of low saturation levels (less than 70%)/flex probe with provision of fixation.
5.2	Spare Parts (main ones)	Two sets of spare fuses (if non resettable fuses used)
6. Environmental And Departmental Considerations		
6.1	Atmosphere/Ambiance (air Conditioning, humidity, dust etc.)	Operating Condition:- Capable of operating continuously in ambient temperature of 0 to 50 deg C and relative humidity of 15 to 90% in ideal circumstances.
6.2	User's Care, Cleaning, Disinfection & Sterility issues	Cleanable with alcohol and chlorine agents.
7. Standards & Safety		
7.1	Certificates (Pre-Market, Sanitary etc.) Performance and safety standards (specific to the device type) Local and/or international	Should be USFDA/European CE (With four digit Notified Body)/BIS approved product ISO 80601-2-61-2011 Medical Electrical equipment – part 2-61 Particular requirements for the basic safety and essential performance of pulse oxymeter. Electrical safety conforms to standards

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		for electrical safety IEC 60601-1, EMC Safety confirms to IEC 60601-1-2 standard requirement. Manufacturer/supplier should have ISO 13485 certificate for quality standard
8. Training and Installation		
8.1	Pre-installation requirements: Nature, values, quality tolerance	Electrical sockets
8.2	Requirements for sign-off	Supplier to perform installation, safety and operation checks before handover. Local clinical staff to affirm completion of installation. (If Applicable)
8.3	Training of staff (Medical, Paramedical, Technicians)	Training of users in operation and basic maintenance shall be provided. Advanced maintenance tasks required shall be documented.
9. Warranty and Maintenance		
9.1	Warranty	3 Year
9.2	Maintenance tasks	Maintenance manual detailing complete maintaining schedule
9.3	Service contract clauses including prices	Warranty of three year with free servicing during warranty.
9.4	Others	The spare price list of all spares and accessories (including minor) required for maintenance and repairs in future after warranty period should be attached.
10. Documentation		
10.1	Operating manuals, service manuals, other manuals	User and maintenance manuals to be supplied in English language. Certificate of calibration & inspection to be provided. List to be provided of equipment and procedures required for local calibration and routine maintenance list to be provided of important spares and accessories with their part numbers and cost. Contact details of manufacturer, supplier and local service agent in Rajasthan to be provided
10.2	Other accompanying documents	User/Technical Maintenance manuals to be supplied in English language

- Note:-** 1. It is also clarified that information of award of contract shall be communicated to all participating bidders on the website www.rmhc.health.rajasthan.gov.in and sppp.raj.nic.in. Please note that individual bidder will not be intimated.
2. Please note that all above amendments/corrigendum in technical specifications/bid conditions is the integral part of (Section-V, Schedule of Supply, and Point no. 3) and the bid document. This corrigendum/ addendum should be signed and annexed with bid document. All other terms & conditions remains the same.

Executive Director (EPM)
RMSCL, Jaipur

