KERALA MEDICAL SERVICES CORPORATION LTD
(A Government of Kerala Undertaking)
Thycaud P.O, Thiruvananthapuram - 14, Kerala.
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CIN: U24233KL200TSGC021616, PAN : AADCK4029M, GSTIN : 32AADCK4029M1ZK

Running Contract Details	
Equipment Name	Digital Hemoglobinometer
Running Contract Valid Till	31-10-2027
Tender Ref No	KMSCL/EP/T572/52B/2025
Tendered Quantity	10000000
Supplier Name	M/s Wrig Nanosystems Pvt ltd
GST No	02AAACW9280B2ZL
Installation & Delivery Period	8 Week(s)
Up-time / PM vist	95% & 0 Visits per year
Warranty period	2 Years

Supplier`s Details		
Address	**Contact Details**	
Ground Floor Khasra No. 329 and 335 Village Naryal Parwanoo Solan-173220	Contact Person	Chandresh Tiwari
	Phone	
	Mobile No	+91 8108294249
	Email	support@wrig.in

Item-wise Price Details

#	Item Details	Unit Rate (Incl.all taxes & charges)	Service Charges (Through KMSCL)	Grand Total
1	**Digital Hemoglobinometer** *Model & Make : Truehb Digital Hemoglobinometer / Wrig*	0 Incl.GST :0%	0	0
2	**Rate of strip/cuvette for the already supplied hemoglobinometer**	8.51 Incl.GST :5%	0.67	9.18
3	**Cost of one Hemoglobinometer if required to be purchased in future**	945 Incl.GST :5%	74.34	1019.34
		953.51	**75.01**	**1028.52**

Other terms & conditions

1. The supplier shall execute an agreement with the purchaser as per tender conditions (agreement format is given in the tender document).

2. The supplier shall submit performance security amounting to 5.00% of the value of the supply order.

3. The labour & comprehensive charges of equipment after the completion of warranty period is finalized by KMSCL as mentioned above.

4. Since discount rate is not applicable for equipment under Running Contract of KMSCL, purchase/supply order can be issued directly to supplier at the given rate with tax & other charges (exclusive of KMSCL service charges).

5. If purchase/supply order is issued directly to the supplier, KMSCL service charge need not be paid. But the copy of the said order may be forwarded to KMSCL for information.

Technical Specification

Equipment :Digital Hemoglobinometer

Equipment: Digital Hemoglobinometer

Technical Characteristics		
1.	**Working principle**	Reflectance Photometry/Absorbance Photometry
2.	**Parameter**	Blood Hemoglobin level
3.	**Range of Hbestimation**	0-24gm/dl
4.	**Volume of blood sample required**	10-50 µl
5.	**Sample material**	Capillary or venous whole blood
6.	**Measuring time**	Less than one minute
7.	**Calibration**	Auto calibration
8.	**Accuracy**	Sensitivity more than90%, Specificity more than 90% and Bias less than 0.5 gm/dl. (Limits of agreement) (±0.5 gm/dl)
9.	**Publications for verification of accuracy**	Accuracy parameters listed in point08 should be corroborated by two (2) peer reviewed indexed journals publications. The studies should be community based, done in two different Indian settings by two independent teams of investigators OR Bidders who do not have or fail to submit community-based publications in indexed journals will be required to provide 1,000 strips and a compatible meter for institutional-level/ Community level validation during the demonstration. If the accuracy parameters do not meet the specified requirements after validation, such bidders will not be considered for the price bid opening.
User interface		
10.	**Memory to store data**	500testswith date and time
11.	**On-screen result display**	LCD or LED display
12.	**Wireless Connectivity**	Desirable- Bluetooth

13.	**Data transfer**	Provision for data transfer to printer and PC
Physical characteristics		
14.	**Dimensions(metric)**	Not more than 15 cm X 10 cm X 20 cm
15.	**Weight (grams)**	Should not be more than 500 grams
16.	**Portability**	Should be portable
Energy source		
17.	**Power requirements**	Battery operated work as well on direct connection with electricity source (AC)
18.	**Battery**	Lithium rechargeable battery, either inbuilt (with charging cable) or detachable (with external charger). Should be able to perform up to 500tests on battery when fully charged.
19.	**Automatic shutdown**	The device should turnoff/sleepmodeafter5minutesofno use
Environmental consideration		
20.	**Working temperature and humidity**	Should be functional and capable of being stored in the temperaturerangeof5–50^{0}Candrelativehumidityof15%- 90% Should also be able to work at extreme of temperatures and high humidity
21.	**User care/Cleaning**	Easy to disinfect and clean by user including the part of equipment which comes in contact with blood Printed user manual with details of how to clean, disinfect and use the device to be provided along with the device The cleaning material (cloth, solution or any other material required)for the lens and device should be provided with the device
Accessories, Spare parts, Consumables		
22.	**Cuvette / Strip – Working environment**	Stable at temperature5 –50^{0}C, and high humidity

23.	**Cuvette/Strip-Storage environment**	Shouldbestableatroomtemperatureof10–40^{0}C,andhigh humidity Shelf life for storage should be at least two years
24.	**Auto disabled lancet**	Disposable single use Lancet
25.	**Carrying Bag**	A compact sling bag with provision for device and all consumable required should be provided to facilitate portability
Quality Control, Standards and Safety		
26.	**Control solutions**	Should be provided along with device. Liquid controls of three range- low, normal and high hemoglobin values Controls should be thermo stable at room temperature
27.	**Certification**	CDSCO,ISO13485 certification IEC60601 for electricity safety
28.	**Batch testing report**	Batch testing quality assurance report from an accredited agency shall be provided for the device/ cuvette/strip
29.	**User/Customer satisfaction**	Quality assurance recommendation/Certificate by at least two other States based on supply and use of device by those states
Service support		
30.	**Service support**	Contact details of manufacturer, supplier and service agent to be provided Toll free number for service to be printed on the device
31	**Software**	Clause deleted
32.	**Training**	Free onsite training for the doctors, CHO,ANM,RBSK teams. At least two trainings(one training at the time of installation and another training after six months, i.e., refresher training)
Biomedical Waste Management and Infection control		
33.	**Safe disposal of sharps**	Detailed instructions for safe disposal of all biomedical waste generated(including sharp)during testing should be provided

34.	**Infection control**	Detailed instruction for minimizing risk of infection transmission during testing by contamination of DH should be provided