

Bid Document

Bid Details	
Bid End Date/Time	27-07-2020 11:00:00
Bid Opening Date/Time	27-07-2020 11:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	30 (Days)
Ministry/State Name	Ministry Of Defence
Department Name	Department Of Defence
Organisation Name	Indian Army
Office Name	*****
Total Quantity	1
Item Category	AUTOMATED HEMATOLOGY ANALYSER (3 PART)
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Bid to RA enabled	No
Inspection Required	No

EMD Detail

Required	No
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ePBG Detail

Required	No
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Splitting

Bid splitting not applied.

AUTOMATED HEMATOLOGY ANALYSER (3 PART) (1 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Standards	Certifications for the product	-	*
	Certification number and date	-	*
	Confirmity to quality management standards	ISO 9001 & ISO 13485	*
	Confirmity to electrical safety standards	IEC 61010-1,IEC 61010-2-081,IEC 61010-2-101 or BIS equivalent	*
Performance Parameters	UMDNS Name and Code	"Analyzers, Laboratory, Hematology, Cell Counting, Automated [17-741],Hematological cell analyser Analyzers, Laboratory, Hematology, Cell Counting, Semiautomated [17-742] Analyzers, Point-of-Care, Whole Blood, Hematology [18-513] Computer Aided Detection Systems, Pathology Slide, Blood Cell Classification [24-248]"	*
	Clinical Purpose	Hematology Analyzers are used to count and characterize blood cells for disease detection and monitoring. Basic analyzers return a complete blood count(CBC) with a three-part differential white blood cell(WBC) count.	*
	Type of Configuration	Bench top	*
	Type of system offered	closed system	closed system
	Type of Automation	Fully Automatic	*
	Automatic Start Up,shut down and sample analysis	Yes	*
	Analysis principle	Based on principle of counting and sizing	*
	Multi channel analysis for better resolution	Yes	*

Type of cell counting	3 part WBC differential	*
Testing mode selection available	CBC Mode	*
Analysis available	WBC,Lymph#,Lymph%, Granulocytes #,Granulocytes%Mixed #, Mixed %,,RBC,HGB, HCT,MCV,PCV,MCH,MC HC,RDW-SD,RDW-CV,PL T,MPV,PDW-SD,PDW-CV,PCT,PLCR ,P-LCC	*
Should have three histograms of WBC,RBC,PLT	Yes	*
MID% analysis	Yes	Yes
MtD# analysis	Yes	Yes
Gran% analysis	Yes	Yes
Gran# analysis	Yes	Yes
Analysis method for WBC	electrical Impedance	electrical Impedance
Method for platelet measurement	electrical Impedance	electrical Impedance
RBC Measurement method	electrical Impedance	electrical Impedance
Hb measurement	Cyanide free Colorimetry	Cyanide free Colorimetry
Types of modes of running sample	Open vial,Pre dilute	Open vial, capillary, Pre dilute
Maximum sample aspiration volume needed in any of modes	should be less than 50 µl	should be less than 50 µl
Minimum sample volume required	should be 20 µl or less	should be 20 µl or less
Throughput capacity of analyser in (samples/ hour)	50-60	50-60
Linearity of Platelet	" 0 to 300 * 10 ³ cells/ micro litres"	*
RBC Linearity	0 to 8 x 10 ⁶ per micro litre or more	*
Hemoglobin linearity	0 to 25 gm per litre	0 to 25 gm per litre
WBC linearity	" 0 to 3000 * 10 ³ cells/ micro litres"	*
Analyses time for cytopenic samples	Yes	*

Directly measures MCV	Yes	*
Time taken by the analyser to produce the test results(Analysis time) in seconds	40-60	*
Availability of Auto dilution	Yes	Yes
Types of reagents	1 hemolyzing reagent,1 diluent,1 cleansing solution	*
Quality assurance system with calibration and controls	Yes	*
Atleast 3 quality control programs	Yes	*
Type of Calibration	both (automatic and manual)	both (automatic and manual)
Direct aspiration for capillary blood from finger prick	No	No
Floating discriminator for platelets and RBC counting for reliable RBC and PLT data	Yes	*
Automatic probe wipe	Yes	*
Separate diluting nozzles for RBC and WBC	Yes	Yes
Double bathing mechanism	Yes	Yes
Automatic electric clog removal	Yes	*
Data Management and Display	Type of data management	Inbuilt system
	Display	LCD
	Inbuilt monitor size in inches	More than 5
	PC Monitor size in inches (When PC provided externally)	NA (if Inbuilt system)
	PC hard disk	NA
	RAM capacity of PC System	NA (if no PC provided)
	Processor	NA
	HIS/LIS Interface	HL7
	Type of external	USB

	storage		
	No of USB Port	4	4
	Data management systems	Provide histograms in display and print	Provide histograms in display and print
	Facility for user defined flagging	Yes	*
	Type of user Interface or data entry	all three (touchscreen, handheld barcode reader facility and manual)	all three (touchscreen, handheld barcode reader facility and manual)
	"Database capability of storing sets of results and graphics"	>= 50000	>= 50000
	Facility for workload recording	Yes	*
	"Auto stop function in event of unacceptable control data"	Yes	*
	Ability to transmit results to host computer	Yes	*
	Have auto cleaning function in the analyser's software	Yes	*
	Printer facility	Yes	Yes
	Type of printer unit	Inbuilt	Inbuilt
	Printer type	Thermal printer	Thermal printer
Power Requirements	Type of power supply in VAC,HZ	230-240 VAC,50-60 Hz	*
	Power Backup facility	Yes	*
	Type of UPS	Offline	Offline
	Rating of UPS in KVA	0.5 KVA	0.5 KVA
	Back up time in minutes	15 min	15 min
Accessories, spare parts and consumables	"Offered equipment unit to be supplied with sufficient consumables (with at least 2/3rd of total shelf life) required for, sufficient to carry out haematological testing of samples"	1000	1000
	Two set of all tubings	Yes	*

		Reagent expiry time should be minimum of 1 year	Yes	*
		Alerts for operator for level of reagents and to empty waste when indicated	Yes	*
		Availability of micro capillary adapter	Yes	*
		Operating temperature and humidity	Capable of operating continuously in ambient temperature of 15 to 35 deg C and relative humidity of 15 to 85% in ideal circumstances	*
	Miscellaneous Parameters	Warranty in years	3	3
		Number of installations in Central /State/PSU Govt Hospitals (Hint: Seller should supply a performance certificate of the device to the buyer incase demanded after placement of order)	More than 3	More than 3
		OEM/Reseller (if supplied by reseller shall ensure uninterrupted availability of all spares for 10 years)	Yes	*
		Availability of toll free facility for technical support maintained by OEM or authorized agencies	Yes	Yes
		During the warranty period it shall be ensured that all the break down calls are attended with in 48 hrs and the complete details of service agents / contact details should be furnished to buyer and consignee at time of supplies	Yes	*
		User/Technical/Mainten	Yes	*

	ance manuals to be supplied in English in hard and soft copy		
	Details of equipments and procedures required for local calibration and routine maintenance to be supplied and advanced maintenance task documentation also to be furnished	Yes	*
	List of important spares and accessories, with their part numbers to be supplied to the buyer at the time of supplying the equipment	Yes	*
	Installation and demonstration of equipment and training to be provided after completing supplies before acceptance	Yes	*
	The Principal Manufacturer must have direct Presence/approved service center In India	Yes	*
	Copies of reports and certifications to be furnished to buyer on demand at time of supplies	Yes	*
	Calibration certificates as per NABH requirement	Yes	*

* Specifications highlighted in bold are the Golden Parameters.

* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement (allowed Values) by the Buyer.

Additional Specification Documents

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	*****	*****BIKANER	1	15

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Bid Specific Additional Terms and Conditions

1. Scope of supply (Bid price to include all cost components) : Supply Installation Testing Commissioning of Goods and Training of operators and providing Statutory Clearances required (if any)
2. Availability of Service Centres: Bidder/OEM must have a Functional Service Centre in the State of each Consignee's Location in case of carry-in warranty. (Not applicable in case of goods having on-site warranty). If service center is not already there at the time of bidding, successful bidder / OEM shall have to establish one within 30 days of award of contract. Payment shall be released only after submission of documentary evidence of having Functional Service Centre.
3. Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.

[This Bid is also governed by the General Terms and Conditions](#)

---Thank You---