

Bid Document

Bid Details	
Bid End Date/Time	28-07-2020 10:00:00
Bid Opening Date/Time	28-07-2020 10:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	75 (Days)
Ministry/State Name	Ministry Of Defence
Department Name	Department Of Defence Production
Organisation Name	Indian Ordnance Factories
Office Name	*****
Total Quantity	1
Item Category	Automated Hematology Analyser (5 Part)
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Document required from seller	OEM Authorization Certificate *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
Bid to RA enabled	Yes
Inspection Required	No

EMD Detail

Advisory Bank	State Bank of India
EMD Percentage(%)	3.00
EMD Amount	21000

ePBG Detail

Advisory Bank	State Bank of India
ePBG Percentage(%)	5.00
Duration of ePBG required (Months).	42

(a). EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy.

(b). EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.

Beneficiary:

THE GENERAL MANAGER

Ordnance Factory Ambajhari Nagpur, Maharashtra, Department of Defence Production, Indian Ordnance Factories, Ministry of Defence
(The General Manager)

Splitting

Bid splitting not applied.

Automated Hematology Analyser (5 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] 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 5-part differential white blood cell(WBC) count.Sophisticated analyzers measure cell morphology and can detect small cell populations to diagnose rare blood conditions.	*
Type of Configuration	benchtop	*
Type of system offered	closed system	closed system
Type of automation	fully automatic	*
Equipment should have automatic start up,shut down and sample analysis	Yes	*
Analysis principle	LASER based scatter analysis	LASER based scatter analysis
Type of cell counting	"5 part WBC differential without Retic and NRBC enumeration capability"	"5 part WBC differential without Retic and NRBC enumeration capability"
Should have multi channel analyssi for better resolution and reproductability	Yes	*
Analysis available	WBC,Lympho#,Lympho %,Neutrophil#,Neutrophil %,Basophil#,Basophil%,Easinophil #,Easino phil%,Monocyte#,Monocyte%,RBC,HGB,MCV,P CV,MCH,MCHC,RDW-SD,RDW CV,PLT,MPV,P DW,PLT,PLCR,PLCC,HCT ,PCT,RET#,RET%,NRBC #,	*
NRBC%	No	No
Availability of body fluid(CSF,synovial,ser	Yes	Yes

ous) parameters like WBC-BF,RBC-BF,MN #,MN%,PMN%,PMN#,TC-BF#		
IPF analysis	No	No
PLT-0 Analysis	Yes	Yes
PLT-F Analysis	No	No
IG % analysis	Yes	Yes
IG# analysis	Yes	Yes
RET-HE analysis	No	No
HFR analysis	No	No
LFR analysis	No	No
MFR analysis	No	No
IRFanalysis	No	No
Discrete analysis modes available	CBC,CBC+DIFF	CBC,CBC+DIFF
Analysis method for WBC	Dual differential count	Dual differential count
method for platelet measurement	dual angle light scatter/fluroscent dye based	dual angle light scatter/fluroscent dye based
RBC Measurement method	electrical impedance	electrical impedance
Hb measurement	photometric/direct cellular measurement	photometric/direct cellular measurement
Retic measurement	not provided	not provided
no of sample racks to cater to different tube sizes	1	1
Maximum sample Aspiration volume needed in all modes	20µl or less	20µl or less
Minimum sample volume required in all modes	20µl or less	20µl or less
Throughput capacity in CBC/Differential	50-60	50-60
Throughput capacity in Retic mode	NA	NA
Type of modes of sample running	Open vial	Open vial
Linearity of Platelet	" 0 to 3000 * 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
	Rectic linearity	NA	NA
	WBC linearity	" 0 to 300 * 1000 cells/ micro litres"	*
	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
	should have clot detection facility	No	No
	Automatic probe wipe	Yes	*
	Extended Analyses for cytopenic samples	Yes	*
	Number of reagents	2	*
	Quality assurance system with calibration and controls	Yes	*
	Atleast 3 quality control programs	Yes	*
	Type of Calibration	Both manual and automatic	Both manual and automatic
	Direct aspiration for capillary blood from finger prick	Yes	Yes
	Floating discriminator for platelets and RBC counting for reliable RBC and PLT data	Yes	*
	Separate diluting nozzles for RBC and WBC	Yes	Yes
	Double bathing mechanism	Yes	Yes
	Upgradable to integrate with attachment	No	No
Data Management and Display	Type of data management	inbuilt system	inbuilt system
	Display	TFT	TFT
	PC hard disk	NA	NA
	Inbuilt monitor size in inches	NA (for PC based)	NA (for PC based)

Processor of PC Provided with system	NA (If PC not provided)	NA (If PC not provided)
RAM	NA (If PC not provided)	NA (If PC not provided)
HDD	NA (If PC not provided)	NA (If PC not provided)
PC Monitor size in inches if PC provided externally	NA (for Inbuilt based)	NA (for Inbuilt based)
The processor and RAM of the board system should be latest version	Yes	*
HIS/LIS Interface	HL7	HL7
Type of external storage	SD Card	SD Card
No of USB Port provided	4	4
Printer facility	Yes	Yes
Type of printer unit	External	External
Printer type	Colour LASER printer	Colour LASER printer
Display and print provided	scatter plot and histograms	*
Auto loader facility	Yes	*
Facility for user defined flagging	Yes	*
"Database capability of storing sets of results and graphics"	">= 20000 to 50000"	">= 20000 to 50000"
L J Plot facility	No	No
delta check for cumulative review	Yes	Yes
On line QC option	Yes	Yes
patient moving average	Yes	Yes
QC File management	Yes	Yes
Facility for workload recording	Yes	*
"Flagging in event of unacceptable control data"	Yes	*
Ability to transmit results to host computer	Yes	*
Make of PC provided (Reputed make PC to	-	*

	be provided)		
	Type of user Interface or data entry	touchscreen	touchscreen
	Have auto cleaning function in the analyser's software	Yes	*
Power Requirements	Type of power supply in VAC,HZ	100-240 VAC,50-60 Hz	*
	Power Backup facility	UPS	*
	Type of UPS	Offline	*
	Rating of UPS in KVA	0.5 KVA	0.5 KVA
	Back up time in minutes	30 min	30 min
	AVAILABILITY OF Sufficient Number of Quality control fileswhich store 100 or more XB Analysis	Yes	*
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"	500	500
	Should have on board reagent facility and automatic reagent inventory management	Yes	*
	Net work integration with lab information system feature	Yes	Yes
	Operating temperature and humidity	"Capable of operating continuously in ambient temperature of 10 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	Less than 3	Less than 3

certificate of the device to the buyer incase demanded after placement of order)		
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 authorised 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/Maintenance manuals to be supplied in English in hard and soft copy	Yes	*
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	*****	*****NAGPUR	1	30

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. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for percentage of 100% of total value.

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

---Thank You---

