

Bid Document

Bid Details	
Bid End Date/Time	20-07-2020 17:00:00
Bid Opening Date/Time	20-07-2020 17:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	30 (Days)
Ministry/State Name	Ministry Of Railways
Department Name	Na
Organisation Name	N/a
Office Name	North Western Railway
Total Quantity	1
Item Category	Automated Hematology Analyser (5 Part)
Bidder Turnover (Last 3 Years)	3 Lakh (s)
OEM Average Turnover (Last 3 Years)	3 Lakh (s)
Experience Criteria	2 Year (s)
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Document required from seller	Experience Criteria,Past Performance,Bidder Turnover,OEM Authorization Certificate,OEM Annual Turnover *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
Past Performance	50 %
Bid to RA enabled	No
Inspection Required	Yes
Inspection to be carried out by Buyers own empanelled agency	Yes
Type Of Inspection	Pre Dispatch
Name of the Empanelled Inspection Agency/ Authority	RITES

EMD Detail

Required	No
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ePBG Detail

Required	No
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Splitting

Bid splitting not applied.

1. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for number of years as indicated in the bid document before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the year. In case of bunch bids, the category of primary product having highest value should meet this criterion.

2. OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.

3. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 50% of bid quantity, in at least one of the last three years before the bid opening date to any Central / State Govt Organization / PSU / Public Listed Company. Copies of relevant contracts (proving supply of cumulative order quantity in any one year) to be submitted along with bid in support of quantity supplied in the relevant year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.

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 with Retics and NBRC enumeration capability	5 part WBC differential with Retics and NBRC enumeration capability
	Should have multi channel analyssi for better resolution and reproductability	Yes	*

Analysis available	WBC,Lympho#,Lympho %,Neutrophil#,Neutrophil %,Basophil#,Basophil%,Eosinophil #,Eosinophil%,Monocyte#,Monocyte%,RBC,HGB,MCV,PCV,MCH,MCHC,RDW-SD,RDW CV,PLT,MPV,PDW,PLT,PLCR,PLCC,HCT,PCT,RET#,RET%,NRBC #,	*
NRBC%	Yes	Yes
Availability of body fluid(CSF,synovial,serous) parameters like WBC-BF,RBC-BF,MN #,MN%,PMN%,PMN#,TC-BF#	Yes	Yes
IPF analysis	No	No
PLT-O Analysis	Yes	Yes
PLT-F Analysis	Yes	Yes
IG % analysis	No	No
IG# analysis	No	No
RET-HE analysis	No	No
HFR analysis	No	No
LFR analysis	No	No
MFR analysis	No	No
IRFanalysis	Yes	Yes
Discrete analysis modes available	CBC,CBC+DIFF,CBC+RETIC,CBC+RETIC+DIFF,CBC+NRBC,CBC+Diff+NRBC	CBC,CBC+DIFF,CBC+RETIC,CBC+RETIC+DIFF,CBC+NRBC,CBC+Diff+NRBC
Analysis method for WBC	Tri angle Laser flow cytometry	Tri angle Laser flow cytometry
method for platelet measurement	electrical impedance	electrical impedance
RBC Measurement method	electrical impedance	electrical impedance
Hb measurement	cyanide free colorimetry	cyanide free colorimetry
Retic measurement	on board light scatter(flouroscent dye/retic stain based) for reticulocytes	on board light scatter(flouroscent dye/retic stain based) for reticulocytes
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	45 or more	45 or more
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	0 to 24.5	0 to 24.5
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	Yes	Yes
Automatic probe wipe	Yes	*
Extended Analyses for cytopenic samples	Yes	*
Number of reagents	4	*
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	Yes	*

Data Management and Display	RBC and PLT data		
	Separate diluting nozzles for RBC and WBC	Yes	Yes
	Double bathing mechanism	Yes	Yes
	Upgradable to integrate with attachment	No	No
	Type of data management	inbuilt system	inbuilt system
	Display	LCD	LCD
	PC hard disk	NA	NA
	Inbuilt monitor size in inches	>5	>5
	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	RS232	RS232
	Type of external storage	USB	USB
	No of USB Port provided	4	4
	Printer facility	Yes	Yes
	Type of printer unit	External	External
	Printer type	LASER printer	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"	>= 50000	>= 50000
	L J Plot facility	Yes	Yes

	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	all three	all three
	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	Online	*
	Rating of UPS in KVA	1 KVA	1 KVA
	Back up time in minutes	60 min	60 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"	1000	1000
	Should have on board reagent facility and automatic reagent	Yes	*

Miscellaneous Parameters	inventory management		
	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"	*
	Warranty in years	5	5
	Number of installations in Central /State/PSU Govt Hospitals (Hint: Seller should supply a performace 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 uninterputed availabilty 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/Mainten ance manuals to be supplied in English in hard and soft copy	Yes	*
	Details of equipments and procedures required for local	Yes	*

	calibration and routine maintenance to be supplied and advanced maintenance task documentation also to be furnished		
	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	Dr. Ramesh Manjhi	334001,DRM OFFICE, BIKANER	1	45

Bid Specific Additional Terms and Conditions

1. Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods

2. Bid reserved for Make In India products: Procurement under this bid is reserved for purchase from Class 1 local suppliers as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a class 1 local supplier is denoted in the bid document 50%. All bidders must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which the bid is liable to be rejected. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020 . In case Buyer has selected Purchase preference to Micro and Small Enterprises clause in the bid, the same will get precedence over this clause.
3. **Nominated Inspection Agency:** On behalf of the Buyer organization, any one of the following Inspection Agency would be conducting inspection of stores before acceptance: Pre-dispatch Inspection at Seller Premises (applicable only if pre-dispatch inspection clause has been selected in ATC): RITES
Post Receipt Inspection at consignee site before acceptance of stores: Consignee
4. Warranty period of the supplied products shall be 3 years from the date of final acceptance of goods or after completion of installation, commissioning & testing of goods (if included in the scope of supply), at consignee location. OEM Warranty certificates must be submitted by Successful Bidder at the time of delivery of Goods. The seller should guarantee the rectification of goods in case of any break down during the guarantee period. Seller should have well established Installation, Commissioning, Training, Troubleshooting and Maintenance Service group in INDIA for attending the after sales service. Details of Service Centres near consignee destinations are to be uploaded along with the bid

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

---Thank You---