

Bid Document

Bid Details	
Bid End Date/Time	27-07-2020 17:00:00
Bid Opening Date/Time	27-07-2020 17:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	40 (Days)
Ministry/State Name	Ministry Of Defence
Department Name	Department Of Defence Reseach & Development
Organisation Name	Office Of Dg (Ns & M)
Office Name	*****
Total Quantity	1
Item Category	Gas Chromatography
Bidder Turnover (Last 3 Years)	8 Lakh (s)
OEM Average Turnover (Last 3 Years)	50 Lakh (s)
Experience Criteria	3 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,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	40 %
Bid to RA enabled	No
Inspection Required	No

EMD Detail

Advisory Bank	State Bank of India
EMD Percentage(%)	2.00
EMD Amount	31000

ePBG Detail

Advisory Bank	State Bank of India
ePBG Percentage(%)	5.00
Duration of ePBG required (Months).	14

(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:

O I/c eProcu

Dmsrde Kanpur, Department of Defence Reseach & Development, Office of DG (NS & M), Ministry of Defence

(Ajit Kumar Srivastava)

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 40% 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.

Gas Chromatography (1 pieces)

Technical Specifications

* As per GeM Category Specification

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
GAS CHROMATOGRAPH (GC) CONFIGURATION	"GC Detectors inclusive in the scope of supply (Select Only those Detectors, which are part of supply)"	Flame Ionization Detector (FID)	Flame Ionization Detector (FID)
	"Number of FID in the System - inclusive in the scope of Supply (Select '0' if this Detector is not a part of supply)"	1	1, 2
	"Number of TCD in the System - inclusive in the scope of Supply (Select '0' if this Detector is not a part of supply)"	0	0, 1, 2
	"Number of ECD in the System - inclusive in the scope of Supply (Select '0' if this Detector is not a part of supply)"	0	0, 1, 2
	"Number of NPD/FTD in the System - inclusive in the scope of Supply (Select '0' if this Detector is not a part of supply)"	0	0, 1, 2
	"Number of FPD in the System - inclusive in the scope of Supply (Select '0' if this Detector is not a part of supply)"	0	0, 1, 2
	"Number of PID in the System - inclusive in the scope of Supply (Select '0' if this Detector is not a part of supply)"	0	0, 1, 2
	"Number of PFPD in	0	0, 1, 2

	the System - inclusive in the scope of Supply (Select '0' if this Detector is not a part of supply)"		
	Number of Inlets GC can Simultaneously Support	2	2, 1, 3
	Number of Detectors (Ports) GC can Simultaneously Support	1	1, 2, 3, 4
	Number of Capillary Columns provided in GC - inclusive in the scope of Supply	1	1, 2
	Type of Capillary Column	Polar	Polar, Non-Polar
	"GC Capillary Column Length (Hint:-Select '0' if Not Applicable)"	60	60.0, 100.0
	"GC Capillary Column Internal Diameter (Hint:-Select '0' if Not Applicable)"	0.25	*
	"GC Capillary Column Film Thickness (Hint:-Select '0' if Not Applicable)"	0.5	*
	"Number of Packed Columns provided in GC - inclusive in the scope of Supply (Hint:-Select '0' if Not Applicable)"	2	1, 2
	"GC Packed Column Length (Hint:-Select '0' if Not Applicable)"	6	6.0, 9.0
	"GC Packed Column Internal Diameter (Hint:-Select '0' if Not Applicable)"	1/8	*
PERFORMANCE	"GC Detector Minimum Detection Level (MDL) "	< 1.4 pg C/s for FID,< 1.8 pg C/s for FID	*
	Compound used for obtaining the declared sensitivity	-	*
	GC Detector Linear	>= 10e7 for FID,>=	*

	Dynamic Range (\pm 10%)	5x10e4 for ECD, \geq 10e3 for NPD/FTD	
	GC Detector Data acquisition rate	NA	*
COLUMN OVEN (GAS CHROMATOGRAPH - GC)	Maximum Operating Temperature (GC Oven)	upto 450 deg. C (2)	upto 450 deg. C (2) Or higher
	Oven cool down time from Max operating temperature to 50 Deg c	3.5	*
	Number of Oven Ramps / Plateaus for Temperature programming	6/7 or more	6/7 or more, 20/21 or more
	Temperature Ramp Rate - Maximum	120 Deg. C/minute or better	120 Deg. C/minute or better, 50 Deg. C/minute or better
	Gas sampling valve for gas analysis	Yes	*
	Retention time repeatability	0.008	*
	Temperature set point resolution (\pm)	0.1	*
PNEUMATIC CONTROL	"Type of Inlet Pneumatics (Select applicable parameters only)"	Programmed Pneumatic Control (PPC)	*
	Number of Injection Ports	1	1, 2
	Maximum Injection Port heating Temperature	upto 400 deg. C (1)	upto 400 deg. C (1), upto 450 deg. C (2) Or higher
	Pressure Range	upto100 psi (1)	upto100 psi (1), upto 120 psi (2) Or higher
	Pressure set point Resolution (\pm)(psi)	0.1	0.001, 0.01, 0.1 Or lower
	Type of Sample Injection Port	Split, Splitless	Split, Splitless, split / Splitless, Purged packed Inlet
	Split Ratio	7500:1	6000:1, 7000:1, 7500:1, NA
	Modes of Operation	Constant flow, Constant Pressure, Programmable Flow, Programmable Pressure, Large volume - 200 microliters or more for capillary column	*

AUTO INJECTOR / AUTO SAMPLER	Compatible Liquid Auto Sampler - inclusive in the scope of supply	No	Yes, No
	Capacity of the Liquid Auto Sampler (Number of Vials)	0	0, 15, 100, 150 Or higher
	Volume of each Vial of the Liquid Auto Sampler	0	*
	Number of Injection Ports in the Liquid Auto Sampler	0	0, 1, 2
	Number of Channels in the Liquid Auto Sampler	0	0, 2
	Minimum Volume of the injected liquid sample	0.25	0.25
	Maximum Volume of the injected liquid sample	50	0 - 100
	Operating Voltage of the Liquid Auto Sampler	230 V \pm 10%	*
	Software to directly operate and control the Auto Injector / Auto Sampler	Perpetual Licence is inclusive in the Scope of Supply	*
	"Liquid Auto Sampler Features (Select applicable features Only)"	NA	Fully automated Liquid Auto Sampler, Injects with variable speed & varying syringe sizes, Operates through Software (Software inclusive in the scope of supply), NA
HEAD SPACE SAMPLER	Compatible Head Space Sampler- inclusive in the scope of supply	Yes	Yes
	Capacity of the Head Space Sampler Carousel (number of Vials)	12 or better	12 or better
	Head Space Sampler Temperature Range	Upto 200 deg. C or better	Upto 200 deg. C or better
	Software to directly operate and control the Head Space Sampler	Perpetual Licence is inclusive in the Scope of Supply	*

	"Head Space Sampler Features (Select applicable features Only)"	Built-in Sample Shaker,PC Controlled Static Heated Tubing Transfer Line,Operates through Software with single keyboard controls (Software inclusive in the scope of supply);,Singel Vial incubation,Headspace with Syringe with XYZ movement Sampler	*
PYROLYZER SYSTEM	Compatible Pyrolyzer System for pyrolysis of solid and liquid samples- inclusive in the scope of supply	Yes	Yes
	Temperature in the Pyrolyzer System	upto 800 deg. C	*
	Software to directly operate and control the Prolyzer	Pertual Licence is inclusive in the Scope of Supply	*
SALIENT FEATURES OF GAS CHROMATOGRAPH (GC)	"Salient Featutes of GC (Select applicable features Only)"	Automatic leak testing/detection of Pneumatics	Automatic leak testing/detection of Pneumatics, Direct setting of split flow rates and ratios, Flow sensor for control & storage of split ratio, Split and Septum Purge gases, Able to direct inject onto packed and wide-bore capillary columns, Oven power turns-off automatically when the lid/door is opened, Over Heat Protection, Display Unit with built-in Key Board, Controlled by External PC System, NA
SOFTWARE	GC Software License with free upgrades during warranty period - inclusive in the scope of supply	Yes, Perpetual License	*
	"Software Features (Select Applicable Features only)"	Compatible with Windows 7 or higher version operating system	Compatible with Windows 7 or higher version operating system, Seamless integration & control of all the GC parameters, Interface with Multiple

			GCs through the comprehensive real-time monitoring and diagnostic software, Real time notification via advisories and indicators, Counters, Chromatographic attributes, Instrument diagnostics, Access to maintenance information, Access to maintenance, run and event logs, Retention Time - Locking module for analyzing target compounds in complex matrices
GENERIC	Power Supply	230 V \pm 10%	*
	Display	Through PC (PC is not part of supply)	Through PC (PC is not part of supply), Built-in Display
	Display Size(In case of Built-in Display)	10	*
	Connectivity interface	USB,ETHERNET,RS 232	USB, WIFI, ETHERNET, Bluetooth, RS 232, RJ-45
	Provision to split the sample from single injection to two different detectors and get results for two detectors simultaneously	Yes	Yes, No
	"Overall Size(Dimensions) (mm x mm x mm)"	-	*
	Weight	-	*
ACESSORIES	Gas Supply inclusive in the scope of supply	Nitrogen,Hydrogen,Zer o Air	Nitrogen, Hydrogen, Zero Air
	Capacity of Gas cylinder	47 liters water capacity	47 liters water capacity
	Number of Cyliners of each type supplied - inclusive in the scope of supply	1	0, 1, 2
	Gas cylinders certified by PESO	Yes	Yes, No for Gas Cylinder Not Offered
	Regulator - inclusive	Dual Stage Regulator	Dual Stage Regulator

	in the scope of supply		
	"Other Accessories inclusive in the scope of supply (Select only those Accessories which are part of supply)"	Gas purification panel for all Gases with moisture trap, Hydrocarbon trap & Oxygen trap, Syringe for manual injection x 05 nos, Column Cutter x 2 nos	Gas purification panel for all Gases with moisture trap, Hydrocarbon trap & Oxygen trap, Syringe for manual injection x 05 nos, Column Cutter x 2 nos
ENVIRONMENTAL	Minimum Operating Temperature	1	0 - 10
	Maximum Operating Temperature	35	30 - 65
	Operating Humidity (RH) (%) at 40 degree C	62	Up to 95
INSTALLATION & COMMISSIONING / WARRANTY / AVAILABILITY OF SPARES / TRAINING	Installation & Commissioning	Inclusive in the scope of supply	*
	Warranty on equipment	2	1, 2, 3, 5
	Number of days onsite training provided	10	3, 5, 7, 10
	Number of Year Availability of Spares from the date of installation is assured	10	*
CERTIFICATION / TEST REPORT	Certification	ISO	*
	"Availability of UL/CE Certificate as per IEC 61010- 1 latest - Safety requirements for electrical equipment for measurement, control, and laboratory use General requirements"	No	Yes, No
	Conformance to EMC/EMI as per IEC 61326-1 latest - Electrical equipment for measurement, control and laboratory use	No	Yes, No
	Availability of Test Reports from Central Govt / NABL approved / ILAC accredited Lab to	No	Yes, No

	prove conformity to the specification		
	If Yes, Test Report to be furnished to the Buyer on demand	NA	*

* 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	*****	*****KANPUR NAGAR	1	90

Bid Specific Additional Terms and Conditions

1. The bidder is required to upload, along with the bid, all relevant certificates such as BIS licence, type test certificate, approval certificates and other certificates as prescribed in the Product Specification given in the bid document.
2. Preference to Make In India products (For bids less than 200 Crore):Preference shall be given to Class 1 local supplier 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%. If the bidder wants to avail the Purchase preference, the bidder 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 no purchase preference shall be granted. 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. Only Class-I and Class-II Local suppliers as per MII order dated 4.6.2020 will be eligible to bid. Non - Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. 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. IMPORTED PRODUCTS: In case of imported products, OEM or Authorized Seller of OEM should have a registered office in India to provide after sales service support in India. The certificate to this effect should be submitted.
4. The buyer organization is an institution eligible for concessional rates of GST as notified by the Government of India. The goods for which bids have been invited fall under classification of GST concession and the conditions for eligibility of concession are met by the institution. A certificate to this effect will be issued by Buyer to the Seller after award of the Contract. Sellers are requested to submit their bids after accounting for the Concessional rate of GST. Applicable Concessional rate of GST : 5%
Notification No.and date : Notification No. : 47/2017-Integrated Tax (Rate) Dated 14 November 2017, 45/2017-Central Tax (Rate) Dated 14 November 2017 ,
KA.NI.-2-1823/XI-9(47)/17-U.P.Act-1-2017-Order-(89)-2017 Lucknow :December 04,2017

dated 14/11/2017

5. Warranty period of the supplied products shall be 2 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---