

### Bid Document

Bid Details	
<b>Bid End Date/Time</b>	19-11-2021 17:00:00
<b>Bid Opening Date/Time</b>	19-11-2021 17:30:00
<b>Bid Life Cycle (From Publish Date)</b>	90 (Days)
<b>Bid Offer Validity (From End Date)</b>	30 (Days)
<b>Ministry/State Name</b>	Ministry Of Science And Technology
<b>Department Name</b>	Department Of Scientific And Industrial Research (dsir)
<b>Organisation Name</b>	Council Of Scientific And Industrial Research (csir)
<b>Office Name</b>	Csir National Botanical Research Institute Lucknow
<b>Total Quantity</b>	1
<b>Item Category</b>	Induced Coupled Plasma Mass Spectrometerv
<b>MSE Exemption for Years of Experience and Turnover</b>	No
<b>Startup Exemption for Years of Experience and Turnover</b>	No
<b>Document required from seller</b>	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
<b>Bid to RA enabled</b>	No
<b>Time allowed for Technical Clarifications during technical evaluation</b>	7 Days
<b>Evaluation Method</b>	Total value wise evaluation

#### EMD Detail

Required	No
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#### ePBG Detail

Advisory Bank	State Bank of India
ePBG Percentage(%)	3.00
Duration of ePBG required (Months).	38

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

**Beneficiary:**

Director, NBRI

CSIR-NATIONAL BOTANICAL RESEARCH INSTITUTE, RANA PRATAP MARG LUCKNOW -226001 UTTAR PRADESH  
(Director Nbri)**Splitting**

Bid splitting not applied.

**Reserved for Make In India products**

Reserved for Make In India products	Yes
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**MSE Purchase Preference**

MSE Purchase Preference	Yes
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1. Bid reserved for Make In India products: : Procurement under this bid is reserved for purchase from 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. However, eligible micro and small enterprises will be allowed to participate. The minimum local content to qualify as a class 1 local supplier is denoted in the bid document. 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.

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% (Selected by Buyer)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 25%(selected by Buyer) percentage of total QUANTITY.

**Induced Coupled Plasma Mass Spectrometry ( 1 pieces )****(Minimum 50% Local content required for MII compliance)**

Brand Type	Registered Brand
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**Technical Specifications**[\\* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Sample Introduction	<b>Nebulizer type</b>	Pneumatic nebulizer
	Type in case of Pneumatic Nebulizer	Concentric

Specification	Specification Name	Bid Requirement (Allowed Values)
	<b>Spray Chamber type</b>	Peltier Cooled
	Count of channels in pump	4
	Count of rollers	12
	Number of Vials provided with auto sampler	250
	<b>Maximum sample holding capacity of auto sampler</b>	250
	Max TDS tolerance	25%
Ion Source & RF Plasma	<b>Injector material</b>	Quartz
	<b>Provision for auto-adjustment of torch post maintenance along X,Y &amp; Z directions</b>	Yes
	<b>Count of channel in Plasma gas mass flow controller/electronic flow controllers</b>	4
	<b>Availability of gas dilutor</b>	Yes
Quadrupole Assembly	<b>Quadrupole count</b>	Three Quadrupole
	<b>Minimum mass (within the mass range) of quadrupole in Amu</b>	2
	<b>Maximum mass (within the mass range) of quadrupole in amu</b>	285
	<b>Minimum scan speed (amu/sec)</b>	3000, 3200, 3500, 3800, 4000, 4500, 5000
	<b>Resolution (amu)</b>	0.3
Cell Technology	<b>Inbuilt gas channels</b>	3
Ion detector assembly	<b>Linear dynamic range(order), extended linear dynamic range excluded</b>	11 Order
	<b>detector life</b>	60.0
	<b>customisation of gas line as per buyer &amp; site requirement</b>	Yes
	<b>customisation of exhaust system as per buyer &amp; site requirement</b>	Yes
Performance criteria	<b>Element analysed with Relative Standard Deviation &lt; 5%</b>	Sn, Cu, Zn, Ba, Sb, Ni, B, Ag, Mg, Ca, NA, As, Cd, Cr, Hg, Pb, Se, Fe, Al, Bi, Sc, Ge
	<b>Sensitivity(mcps/ppm) Li(7) or Be(9)</b>	>=5

Specification	Specification Name	Bid Requirement (Allowed Values)
	<b>Sensitivity(mcps/ppm) Y(89)or In(115)</b>	>=100
	<b>Sensitivity(mcps/ppm) TI(205)or U(238)</b>	>=80
	<b>Oxide ratio (%) Ceo+/Ce+</b>	=<3
Microwave digestion system	<b>Minimum sample processing capacity in one batch</b>	15
	<b>Rated power of Microwave digestion system</b>	1500.0
	<b>Maximum operating temperature attained by microwave digestion system</b>	250.0
	<b>Maximum operating pressure attained by microwave digestion system</b>	40.0
Accessories	<b>Count of Argon Gas Cylinder with purification panel &amp; regulator</b>	6
	<b>Count of collision cell gas cylinder with purification panel &amp; regulator</b>	2
	<b>Gas purification panel for Argon, Oxygen, Helium, Hydrogen, Ammonia with plumbing separate gas line &amp; MFC or electronic flow controller</b>	Argon, Oxygen, Helium, Hydrogen, Ammonia
	<b>Supply of NIST traceable single element standard solutions samples (1000 ppm - 100 ml size) for</b>	Sn, Ni, Cu, Zn, Ba, Sb, B, Ag, Mg, Ca, NA, As, Cd, Cr, Hg, Pb, Se, Fe, Al, Bi, Sc, Ge
	<b>Flexibility of using gases</b>	Helium, Oxygen, Hydrogen, Ammonia
Computer with Controller Software & Operating system	<b>Computer provided with system</b>	Yes
	<b>Processor</b>	i5
	<b>Colour laserjet automatic printer provided</b>	Yes
Installation & training	Installation Qualification & Operational Qualification of system to be performed at site during training	Yes
	<b>Training of Frequency range of operation of RF Generator</b>	Yes

Specification	Specification Name	Bid Requirement (Allowed Values)
	<b>No of training sessions executed</b>	2, 3, 4, 5, 6, 7, 8, 9, 10
	<b>Number of days of training program</b>	1, 2, 3, 4, 5, 6, 7, 8, 9, 10
Warranty & services	<b>Warranty from date of installation(System &amp; all other parts) in years</b>	3

#### Additional Specification Parameters - Induced Coupled Plasma Mass Spectrometry ( 1 pieces )

Specification Parameter Name	Bid Requirement (Allowed Values)
Scan speed of the system	The minimum scan speed on the GeM portal is mentioned as 3000, 3200, 3500, 3700 and 5000 amu/sec. However, it should be considered as >3500 amu/sec or better during the evaluation of technical bid.
Number of Training sessions executed	The number of the training sessions on the GeM portal is mentioned as 2, 3, 4, 5, 6, 7, 8, 9, 10. However, it should be considered as 5 training sessions after the proper installation of ICP-MS.
Number of days of training program	The number of the days of training program on the GeM portal is mentioned as 1, 2, 3, 4, 5, 6, 7, 8, 9, 10. However, it should be considered as 5 days/program, until the user will be self enough to handle the ICP-MS for quantification and speciation of multi-elements in the samples.
HPLC system	Bio-inert binary HPLC system with relevant standards, columns, kits, consumables and chemicals for speciation of each element i.e. arsenic, selenium and chromium should be provided.
Nano-particles analyzer/software	The ICP-MS system should be capable of analyzing multiple nano-particle composition. Appropriate software, kits, relevant consumables and standards should be provided along with the instrument for detection and quantification of nano-particles. All the rules and regulations will be followed according to the CSIR Manual on procurement of goods 2019.

\* Bidders offering must also comply with the additional specification parameters mentioned above.

#### Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Krishnaraj Tukaram Jadhav	226001,CSIR National Botanical Research Institute Rana Pratap Marg,	1	90

#### Buyer Added Bid Specific Additional Terms and Conditions

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

## Disclaimer

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization. Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specification and / or terms and conditions governing the bid. Any clause incorporated by the Buyer such as demanding Tender Sample, incorporating any clause against the MSME policy and Preference to make in India Policy, mandating any Brand names or Foreign Certification, changing the default time period for Acceptance of material or payment timeline governed by OM of Department of Expenditure shall be null and void and would not be considered part of bid. Further any reference of conditions published on any external site or reference to external documents / clauses shall also be null and void. If any seller has any objection / grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

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

In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws.

**---Thank You---**