



Bid Number: GEM/2022/B/2630038

Dated: 31-10-2022

**Bid Document**

<b>Bid Details</b>	
<b>Bid End Date/Time</b>	21-11-2022 14:00:00 <b>Extended till 06.12.2022 14:00:00</b>
<b>Bid Opening Date/Time</b>	21-11-2022 14:30:00 <b>Extended till 06.12.2022 14:30:00</b>
<b>Bid Offer Validity (From End Date)</b>	65 (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 Indian Institute Of Chemical Biology
<b>Total Quantity</b>	3
<b>Item Category</b>	Server (Q2)
<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>	Certificate (Requested in ATC),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>Primary product category</b>	Server
<b>Time allowed for Technical Clarifications during technical evaluation</b>	4 Days
<b>Evaluation Method</b>	Total value wise evaluation

**EMD Detail**

Advisory Bank	State Bank of India
EMD Amount	40000

**ePBG Detail**

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

(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:**

Director

CSIR INDIAN INSTITUTE OF CHEMICAL BIOLOGY, Department of Scientific and Industrial Research (DSIR), Council of Scientific and Industrial Research (CSIR), Ministry of Science and Technology  
(Arun Bandopadhyay)

**Splitting**

Bid splitting not applied.

**MII Purchase Preference**

MII Purchase Preference	Yes
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**MSE Purchase Preference**

MSE Purchase Preference	Yes
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1. Preference to Make In India products (For bids < 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. 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. However, eligible micro and small enterprises will be allowed 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.

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.

**Server ( 1 pieces )**

**(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)**

Brand Type	Registered Brand
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## Technical Specifications

\* As per GeM Category Specification

Specification	Specification Name	Bid Requirement (Allowed Values)
Processor	<b>Processor Make</b>	Intel
	<b>Number of Cores per Processor</b>	40, 64, 48 Or higher
	<b>Processor Base Frequency (GHz)</b>	1, 1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 1.7, 1.8, 1.9, 2, 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8, 2.9, 3, 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7, 3.8, 3.9, 4 Or higher
	<b>Total Cache (L1+L2+L3) (MB)</b>	60.0 - 256.0 Or higher
Motherboard	<b>Maximum number of Sockets available on Server</b>	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 Or higher
	<b>Maximum number of Sockets populated with Processors available on Server</b>	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 Or higher
Co Processor / GPU	<b>Availability of Co Processor /GPU</b>	Yes, No Or higher
Memory	<b>Type of RAM</b>	DDR4 SDRAM with ECC
	<b>DDR SDRAM Size(GB)</b>	0 - 6144
	<b>DDR NVRAM Size (GB)</b>	0 - 1600
SSD Storage	<b>Type of Interface for SSD</b>	SATA
	<b>Total Capacity Offered with SATA SSD (GB)</b>	960.0 Or higher
	<b>Total Capacity Offered with SAS SSD (GB)</b>	Any applicable numeric value
	<b>Total Capacity Offered with NVMe SSD (GB)</b>	Any applicable numeric value
HDD Storage	<b>Type of Interface for Hard Disk Drive</b>	SATA, SAS, NL SAS, NA
	<b>Total Storage Capacity offered with SATA Drive (GB)</b>	Any applicable numeric value
	<b>Total Storage Capacity offered with SAS Drive (GB)</b>	Any applicable numeric value
	<b>Total Storage Capacity offered with NL SAS Drive (GB)</b>	Any applicable numeric value
RAID	<b>No of RAID Controller Ports</b>	8 Or higher
	<b>Speed of RAID Controller Ports (Gbps)</b>	6, 12 Or higher
Ports & Interfaces	<b>Number of Networking Interface Cards (LAN)</b>	2, 3, 4, 5, 6, 7, 8 Or higher

Specification	Specification Name	Bid Requirement (Allowed Values)
	<b>Total Number of Ethernet Ports required in Server</b>	1x1G, 2x10G with SFP+, 2x10G RJ 45, 2x25G with SFP+, 2x25G with Twinax DAC, 2x40G with SFP+, 2x50G with SFP+, 2x50G with Twinax DAC, 2x100G with SFP+, 2x100G with Twinax DAC, 2x200G with SFP+, 2x200G with Twinax DAC, 4x10G with SFP+, 4x10G RJ 45, 4x50G with SFP+, 4x50G with Twinax DAC, 4x100G with SFP+, 4x100G with Twinax DAC, 4x200G with SFP+, 4x200G with Twinax DAC, 2x1G, 4x25G with SFP+, 4x25G with Twinax DAC, 2x40G with Twinax DAC, 4x10G with Twinax DAC, 4x1G
	<b>Number of Single port FC HBA card</b>	0, 1, 2, 3, 4 Or higher
	<b>Number of Dual port FC HBA card</b>	0, 1, 2, 3, 4 Or higher
	<b>Number of Quad port FC HBA card</b>	0, 1, 2, 3, 4 Or higher
	<b>FC HBA Speed (Gbps)</b>	8, 16, 32, NA Or higher
	<b>Number of Converged Network Adaptor (CNA)</b>	0, 1, 2, 3, 4 Or higher
	<b>Number of Ports per CNA card</b>	Dual Port, Quad Port, NA Or higher
	<b>CNA Port Speed (Gbps)</b>	10, 25, 40, 50, 100, 200, 0 Or higher
	<b>Length of LC-LC Cable per SFP+ Port (meter)</b>	5, 10, 15, 0 Or higher
	<b>Length of LC-LC Cable per HBA Port (meter)</b>	5, 10, 15, 0 Or higher
	<b>Length of LC-LC Cable per CNA Port (meter)</b>	5, 10, 15, 0 Or higher
Certifications	<b>Certifications/Compliance (OS)</b>	Windows, Red Hat Linux, Suse Linux, Ubuntu
Features	<b>Management Features-1</b>	Remoter power On/ Shutdown of server,, Remote Management of Server over LAN & WAN with SSL encryption through gigabit management port,, Should have virtual Media support with all required licenses,, Remote KVM, Server Health Logging, Out of Band Management
	<b>Security Features-1</b>	Secure Boot(Firmware and Bios Level Security), Provision to lock the system on breach, Hardware root of trust/Dual Root of Trust, Server should provide policy based security, Server should provide server intrusion detection,, "Malicious Code Free design" (to be certified by OEM)
Generic	<b>Power Supply Efficiency</b>	Gold, Platinum, Titanium, Bronze Or higher
Benchmark	<b>SPEC int_rate_base 2017 for the product (must be available on SPEC dot ORG before evaluation)</b>	Any applicable numeric value

Specification	Specification Name	Bid Requirement (Allowed Values)
	<b>SPEC fp_rate_2017 for the product (must be available on SPEC dot ORG before evaluation)</b>	Any applicable numeric value
Warranty	<b>On Site OEM Warranty (Year)</b>	3, 4, 5, 7 Or higher

#### Additional Specification Parameters - Server ( 1 pieces )

Specification Parameter Name	Bid Requirement (Allowed Values)
SPECIAL PARAMETERS PART 1 -	RBAC, Silicon Based Root of Trust, Intel Boot Guard, Secure Boot, Secure Default Passwords, Cryptographically signed firmware updates, Dynamic system lockdown, Hard Drive encryption and enterprise key management
SPECIAL PARAMETERS PART 2 -	Configuration and firmware drift detection, Persistent event logging, Audit logging and alerts, Chassis intrusion detection, Automated BIOS recovery, Rapid OS Recovery, Firmware Rollback, Rapid system erase, UEFI secure boot customization, Dynamic secure USB port management (enable/disable), Protection against malicious code execution.
ADDITIONAL SPEC FOR NODE 1 (MANDATORY) -	EAL certification - System's integrated remote management hardware and tool should be minimum, Evaluation Assurance Level (EAL) EAL2+ certified. Certificate from Common Criteria Portal to be submitted. Tech Spec for NODE1 : 1) 8 64GB RDIMM, 3200MT/s, Dual Rank, 2) 5 2.4TB 10K RPM SAS ISE 12Gbps 512e 2.5in Hot Plug Hard Drive.

\* 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	Sucheta Tripathy	700032, CSIR-Indian Institute of Chemical Biology 4, Raja S.C. Mullick Road, Jadavpur, Kolkata - 700032	1	90

#### Server ( 2 pieces )

**(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)**

Brand Type	Registered Brand
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#### Technical Specifications

[\\* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Processor	<b>Processor Make</b>	Intel
	<b>Number of Cores per Processor</b>	40, 64, 48 Or higher
	<b>Processor Base Frequency (GHz)</b>	1, 1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 1.7, 1.8, 1.9, 2, 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8, 2.9, 3, 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7, 3.8, 3.9, 4 Or higher
	<b>Total Cache (L1+L2+L3) (MB)</b>	60.0 - 256.0 Or higher
Motherboard	<b>Maximum number of Sockets available on Server</b>	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 Or higher
	<b>Maximum number of Sockets populated with Processors available on Server</b>	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 Or higher
Co Processor / GPU	<b>Availability of Co Processor /GPU</b>	Yes, No Or higher
Memory	<b>Type of RAM</b>	DDR4 SDRAM with ECC
	<b>DDR SDRAM Size(GB)</b>	0 - 6144
	<b>DDR NVRAM Size (GB)</b>	0 - 1600
SSD Storage	<b>Type of Interface for SSD</b>	SATA
	<b>Total Capacity Offered with SATA SSD (GB)</b>	960.0 Or higher
	<b>Total Capacity Offered with SAS SSD (GB)</b>	Any applicable numeric value
	<b>Total Capacity Offered with NVMe SSD (GB)</b>	Any applicable numeric value
HDD Storage	<b>Type of Interface for Hard Disk Drive</b>	SATA, SAS, NL SAS, NA
	<b>Total Storage Capacity offered with SATA Drive (GB)</b>	Any applicable numeric value
	<b>Total Storage Capacity offered with SAS Drive (GB)</b>	Any applicable numeric value
	<b>Total Storage Capacity offered with NL SAS Drive (GB)</b>	Any applicable numeric value
RAID	<b>No of RAID Controller Ports</b>	8 Or higher
	<b>Speed of RAID Controller Ports (Gbps)</b>	6, 12 Or higher
Ports & Interfaces	<b>Number of Networking Interface Cards (LAN)</b>	2, 3, 4, 5, 6, 7, 8 Or higher

Specification	Specification Name	Bid Requirement (Allowed Values)
	<b>Total Number of Ethernet Ports required in Server</b>	1x1G, 2x10G with SFP+, 2x10G RJ 45, 2x25G with SFP+, 2x25G with Twinax DAC, 2x40G with SFP+, 2x50G with SFP+, 2x50G with Twinax DAC, 2x100G with SFP+, 2x100G with Twinax DAC, 2x200G with SFP+, 2x200G with Twinax DAC, 4x10G with SFP+, 4x10G RJ 45, 4x50G with SFP+, 4x50G with Twinax DAC, 4x100G with SFP+, 4x100G with Twinax DAC, 4x200G with SFP+, 4x200G with Twinax DAC, 2x1G, 4x25G with SFP+, 4x25G with Twinax DAC, 2x40G with Twinax DAC, 4x10G with Twinax DAC, 4x1G
	<b>Number of Single port FC HBA card</b>	0, 1, 2, 3, 4 Or higher
	<b>Number of Dual port FC HBA card</b>	0, 1, 2, 3, 4 Or higher
	<b>Number of Quad port FC HBA card</b>	0, 1, 2, 3, 4 Or higher
	<b>FC HBA Speed (Gbps)</b>	8, 16, 32, NA Or higher
	<b>Number of Converged Network Adaptor (CNA)</b>	0, 1, 2, 3, 4 Or higher
	<b>Number of Ports per CNA card</b>	Dual Port, Quad Port, NA Or higher
	<b>CNA Port Speed (Gbps)</b>	10, 25, 40, 50, 100, 200, 0 Or higher
	<b>Length of LC-LC Cable per SFP+ Port (meter)</b>	5, 10, 15, 0 Or higher
	<b>Length of LC-LC Cable per HBA Port (meter)</b>	5, 10, 15, 0 Or higher
	<b>Length of LC-LC Cable per CNA Port (meter)</b>	5, 10, 15, 0 Or higher
Certifications	<b>Certifications/Compliance (OS)</b>	Windows, Red Hat Linux, Suse Linux, Ubuntu
Features	<b>Management Features-1</b>	Remoter power On/ Shutdown of server,, Remote Management of Server over LAN & WAN with SSL encryption through gigabit management port,, Should have virtual Media support with all required licenses,, Remote KVM, Server Health Logging, Out of Band Management
	<b>Security Features-1</b>	Secure Boot(Firmware and Bios Level Security), Provision to lock the system on breach, Hardware root of trust/Dual Root of Trust, Server should provide policy based security, Server should provide server intrusion detection,, "Malicious Code Free design" (to be certified by OEM)
Generic	<b>Power Supply Efficiency</b>	Gold, Platinum, Titanium, Bronze Or higher
Benchmark	<b>SPEC int_rate_base 2017 for the product (must be available on SPEC dot ORG before evaluation)</b>	Any applicable numeric value

Specification	Specification Name	Bid Requirement (Allowed Values)
	<b>SPEC fp_rate_2017 for the product (must be available on SPEC dot ORG before evaluation)</b>	Any applicable numeric value
Warranty	<b>On Site OEM Warranty (Year)</b>	3, 4, 5, 7 Or higher

#### Additional Specification Parameters - Server ( 2 pieces )

Specification Parameter Name	Bid Requirement (Allowed Values)
SPECIAL PARAMETERS PART 1 -	RBAC, Silicon Based Root of Trust, Intel Boot Guard, Secure Boot, Secure Default Passwords, Cryptographically signed firmware updates, Dynamic system lockdown, Hard Drive encryption and enterprise key management
SPECIAL PARAMETERS PART 2 -	Configuration and firmware drift detection, Persistent event logging, Audit logging and alerts, Chassis intrusion detection, Automated BIOS recovery, Rapid OS Recovery, Firmware Rollback, Rapid system erase, UEFI secure boot customization, Dynamic secure USB port management (enable/disable), Protection against malicious code execution.
ADDITIONAL SPEC FOR NODE (MANDATORY)	EAL certification - System's integrated remote management hardware and tool should be minimum, Evaluation Assurance Level (EAL) EAL2+ certified. Certificate from Common Criteria Portal to be submitted. Tech Specs for Node 1 & 2 : 1) 2 16GB UDIMM, 3200MT/s, ECC, 2) 2 2.4TB 10K RPM SAS ISE 12Gbps 512e 2.5in Hot-Plug Hard Drive, 3.5in HYB CARR.

\* 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	Sucheta Tripathy	700032, CSIR-Indian Institute of Chemical Biology 4, Raja S.C. Mullick Road, Jadavpur, Kolkata - 700032	2	90

### Buyer Added Bid Specific Terms and Conditions

#### 1. Generic

OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity by up to 25% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly.



## 2. **Scope of Supply**

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

## 3. **Buyer Added Bid Specific ATC**

Buyer Added text based ATC clauses

Buyer Added text based ATC clauses

1. **Qualification Requirement:** Please refer to the technical specifications of the bid document.

2. **Certificate/Declaration Required :** Certificate reg. Land Border Sharing is compulsory. 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.

3. **EMD :** The bidder has to submit an EMD along with the bid.

4. **Payment Terms :** As per GeM payment Terms subject to acceptance of Performance Security.

5. **Performance Security :** The vendor has to submit a Performance Security equivalent to 3 (three) per cent of the purchase order value before release of payment. The performance security should remain valid for a period of 38 (Thirty Eight) months from the date of successful installation and commission of the supplied equipment.

6. **Delivery Period :** Delivery should be completed in full within a period of 45 (Forty Five) days from the date of purchase order. Liquidated Damage clause will be imposed in the event of non-completion of delivery within the stipulated time.

7. Delivery Site : Delivery F.O.R. CSIR-IICB, Kolkata.

8. **Installation and Commissioning :** To be installed at site by the supplier within the delivery period.

9. **Warranty :** 3 (Three) years On-site comprehensive warranty from the date of successful installation and commissioning.

10. **OEM Certificate (*applicable for manufacturer only*) :** In case the Bidder is the OEM, a declaration to this effect must be attached along with the offer. This certificate with valid date must contain Name, Designation, Email Address and Mobile Phone Number of the authorized signatory along with the address of the office.

11. **MAF Certificate (*applicable for dealer only*) :** In case the Bidder is offering products on behalf of the OEM, a proper Manufacturer's Authorization Certificate (MAF) with valid date must be attached with the quotation and it should contain Name, Designation, Email Address and Mobile Phone Number of the authorized signatory along with the address of the office.

12. **Catalogue/Leaflet/Brochure :** Bidder must submit Catalogue / Leaflet / Brochure to justify the specification/feature of their offered equipment.

13. **Demonstration :** The Bidder has to arrange the demonstration of the offered equipment at their cost if desired by CSIR-IICB failing which their offer will be considered as non-responsive and noncompliance to the terms & conditions of the tender document. Such demonstration, if arranged by the bidder on IICB's request, must establish the technical specification and parameters of the tendered technical specifications of CSIR-IICB for the acceptance of their offer.

14. **Number of Installations :** Number of Installations required for the reliability & performance of the equipment. At least 03 or more quoted/similar instruments to Central/State Government Institutes/Universities. Bidder shall provide installation certificates along with either service reports or performance reports along with technical bid. It will be the part of the evaluation criteria.

15. The bidder should ONLY attach the requisite documents, asked for. The Bidder should not attach "**IRRELEVANT DOCUMENTS**" or "**DOCUMENTS WHICH HAVE NOT BEEN ASKED FOR**".

16. In the event of non-compliance of any of the aforesaid guidelines, the offer of the bidder may be

treated as non-responsive.

## **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 specifications 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. Also, GeM does not permit collection of Tender fee / Auction fee in case of Bids / Forward Auction as the case may be. Any stipulation by the Buyer seeking payment of Tender Fee / Auction fee through ATC clauses would be treated as null and void.

[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---**