

### Bid Document

<b>Bid Details</b>	
<b>Bid End Date/Time</b>	29-08-2022 16:00:00
<b>Bid Opening Date/Time</b>	29-08-2022 16:30:00
<b>Bid Offer Validity (From End Date)</b>	90 (Days)
<b>Ministry/State Name</b>	Ministry Of New And Renewable Energy
<b>Department Name</b>	Indian Renewable Energy Development Agency
<b>Organisation Name</b>	National Institute Of Wind Energy (niwe) Ministry Of New And Renewable Energy
<b>Office Name</b>	Chennai
<b>Total Quantity</b>	1
<b>Item Category</b>	Network Attached Storage (NAS) Device (Q4)
<b>Minimum Average Annual Turnover of the bidder (For 3 Years)</b>	70 Lakh (s)
<b>OEM Average Turnover (Last 3 Years)</b>	45 Lakh (s)
<b>Years of Past Experience Required for same/similar service</b>	3 Year (s)
<b>MSE Exemption for Years Of Experience and Turnover</b>	Yes
<b>Startup Exemption for Years Of Experience and Turnover</b>	Yes
<b>Document required from seller</b>	Experience Criteria,Past Performance,Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,OEM Annual Turnover,Additional Doc 1 (Requested in ATC) *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>Past Performance</b>	70 %
<b>Bid to RA enabled</b>	No
<b>Time allowed for Technical Clarifications during technical evaluation</b>	3 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(%)	5.00
Duration of ePBG required (Months).	62

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

**Beneficiary:**

Administrative and Accounts Officer  
Chennai, Indian Renewable Energy Development Agency, National Institute of Wind Energy (NIWE) Ministry of New and Renewable Energy, Ministry of New and Renewable Energy  
(K Tamilselvi)

**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. If the bidder is a Micro or Small Enterprise as per latest definitions under MSME rules, the bidder shall be exempted from the requirement of "Bidder Turnover" criteria and "Experience Criteria". If the bidder is OEM of the offered products, it would also be exempted from the "OEM Average Turnover" criteria. In case any bidder is seeking exemption from Turnover / Experience Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer.
2. If the bidder is a Startup, the bidder shall be exempted from the requirement of "Bidder Turnover" criteria and "Experience Criteria". If the bidder is OEM of the offered products, it would also be exempted from the "OEM Average Turnover" criteria. In case any bidder is seeking exemption from Turnover / Experience Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer.
3. The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated above 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 bidder 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.
4. 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 Financial years as indicated above 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 Financial year. In case of bunch bids, the category of primary product having highest value should meet this criterion.
5. 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.
6. 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.

7. 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.

8. Estimated Bid Value indicated above is being declared solely for the purpose of guidance on EMD amount and for determining the Eligibility Criteria related to Turn Over, Past Performance and Project / Past Experience etc. This has no relevance or bearing on the price to be quoted by the bidders and is also not going to have any impact on bid participation. Also this is not going to be used as a criteria in determining reasonableness of quoted prices which would be determined by the buyer based on its own assessment of reasonableness and based on competitive prices received in Bid / RA process.

9. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 70% of bid quantity, in at least one of the last three Financial 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 financial year) to be submitted along with bid in support of quantity supplied in the relevant Financial year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.

## Network Attached Storage (NAS) Device ( 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)
Storage Tiering	<b>Automated Storage Tiering feature License Included</b>	Yes, No
	<b>Automated Storage Tiering across SSD, SAS, NL-SAS/SATA Tiers</b>	Yes, No
Performance Parameters	<b>Number of Nodes (Number)</b>	3, 4, 5, 6, 8, 10, 12, 14, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30
	<b>Speed of Front end Ports (Gbps)</b>	10, 25, 40, 100, 1, 5

Specification	Specification Name	Bid Requirement (Allowed Values)
	<b>Number of Node Failure Tolerance</b>	1 Node, 2 Nodes, 3 Nodes, 4 Nodes, 5 Nodes
	<b>Usable Capacity</b>	250, 350, 500, 800, 1000, 1500, 2000, 3000, 4000, 6000
	<b>Total no of drive slot populated with SAS</b>	Any applicable numeric value
	<b>Total no of drive slot populated with NL-SAS/SATA</b>	Any applicable numeric value
	<b>Scalability of Nodes</b>	64, 128, 256, 512, 1024
	<b>Operating System, File System and corresponding hardware from a single OEM</b>	Yes, No
	<b>Total no of drive slot populated with NVMe</b>	Any applicable numeric value
	<b>Per Node Cache/Memory Offered</b>	384.0
	<b>Scale Out File Storage Essential Specifications</b>	Global Single Namespace, Storage should with no single point of failure, All storage nodes/controllers must be active, contributing in performance and capacity of the system, Fully Distributed File System POSIX compliance with linear scalability in terms of capacity and performance, Meta-data for the file-system shall be distributed across the offered nodes / controllers, Offered Storage shall support millions of thin provisioned volumes so that they shall consume space only when data is written to them, Single Pane of management, administration and configuration of the whole storage platform through GUI and CLI
	<b>Number of Drive Slots Populated with drives of different type in the Storage System (total Drive Count across all nodes)</b>	Any applicable numeric value
	<b>Number of Front end Ports per node</b>	Any applicable numeric value
	<b>Number of Processor offered per Node</b>	1, 2
	<b>File System Performance in GB/sec</b>	Any applicable numeric value
	<b>Total no of drive slot populated with SSD / Flash</b>	Any applicable numeric value
	<b>Number of Sockets offered per Node</b>	1, 2, 0
	<b>Number of Cores per Sockets</b>	2 - 30

Specification	Specification Name	Bid Requirement (Allowed Values)
Others	<b>On Site OEM Warranty</b>	5 Years Standard, 5 Years DMR, 5 Years CTR, 5 Years DMR CTR, 3 Years Standard, 3 Years DMR, 3 Years CTR, 3 Years DMR CTR, 2 Years Limited warranty (EMEA)
	<b>Other International Certification</b>	Yes, No
	Security	Data at Rest Encryption, Access control list for defining who can use the array and what action can be performed by users or groups, Support integration with Active Directory and LDAP, Active Directory

#### Additional Specification Parameters - Network Attached Storage (NAS) Device ( 1 pieces )

Specification Parameter Name	Bid Requirement (Allowed Values)
Storage Type and Protocol	Storage should be Unified supporting both SAN(FC/iSCSI) and NAS(SMB/NFS) with hybrid capability to operate with NVMe Solid State Drives (NVMe SSDs) and Hard Disks Drives (HDDs) , Should support FC, iSCSI, SMB2 and SMB3,NFSv2,NFSv3 or above, SNMP, SMTP.
Usable Capacity and Performance, Controller and CPUs	Storage solution should be offered with 200TB usable capacity in RAID6, should be capable of supporting 200K IOPS using 80:20 Read:Write ratio and 8K Block size, Should have Dual controllers configurable in Active/Active mode, Each controller should have dual Intel Xeon Cascadelake CPU with 10 cores per CPU of base frequency 2.4 GHz
Memory and NVMe Flash Cache and Network Interface	Offered Storage Array shall be given with Minimum 192GB cache in a single controller and 384GB across two controllers, Cache shall be dynamically managed for both Read and Write operations, Offered storgae should have 8x10Gbps SFP+ ports for host connection or connecting to switch, Should have 2 x 10GbE for management port per controller and 1x1GbE BMC port per controller, Should support 2x10G/25G/40G/100G optical NIC and 4x16G FC adapter in PCIe interface.
NVRAM/NVDIMM and VMWare and Hyper-V integration	Should have non volatile NVDIMM 32GB per controller for cache replication from one controller to other to maintain the data highly available and avoid data loss during controller failure scenario, Should support Block and File VAAi/SRM integration and SCVMM/SMI-S integration or it should be mounted as datastore/volumne for integrating the storage in Vmware and Hyper-V.
SSDs and HDDs Should have 24 Bay NVMe SSD with minimum 12 drives populated with 3.84TB NVMe SSDs for flash cache and option to scale upto 24 nos of NVMe SSDs of same capacity in future under same controller pair.	For capacity drive, Storage with 8TB SAS HDDs, Storage controller should be added with expansion shelf and 24 drives. Should have option to add up to six 24 bay expansion shelf supporting 144 no of SAS HDDs, capable to create one Hybrid pool using minimum 12 NVMe SSDs or two pools using 24 NVMe SSDs where one NVMe flash pool and one hybrid pool can be created, All SSDs and HDDs should be SED drives

\* 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	K Tamilselvi	600100,NATIONAL INSTITUTE OF WIND ENERGY VELACHERY-TAMBARAM MAIN ROAD, PALLIKARANAI CHENNAI	1	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. Generic

Actual delivery (and Installation & Commissioning (if covered in scope of supply)) is to be done at following address NATIONAL INSTITUTE OF WIND ENERGY VELACHERY TAMBARAM MAIN ROAD PALLIKARANAI CHENNAI 600100.

### 3. Generic

**Bidder financial standing:** The bidder should not be under liquidation, court receivership or similar proceedings, should not be bankrupt. Bidder to upload undertaking to this effect with bid.

### 4. Generic

Bidders shall quote only those products in the bid which are not obsolete in the market and has at least 2 years residual market life i.e. the offered product shall not be declared end-of-life by the OEM before this period.

### 5. Generic

Bidders are advised to check applicable GST on their own before quoting. Buyer will not take any responsibility in this regards. GST reimbursement will be as per actuals or as per applicable rates (whichever is lower), subject to the maximum of quoted GST %.

### 6. Generic

Data Sheet of the product(s) offered in the bid, are to be uploaded along with the bid documents. Buyers can match and verify the Data Sheet with the product specifications offered. In case of any unexplained mismatch of technical parameters, the bid is liable for rejection.

### 7. Generic

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 3 years 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 primary product having highest value should meet this criterion.

### 8. Generic

Supplier shall ensure that the Invoice is raised in the name of Consignee with GSTIN of Consignee only.

## 9. **Generic**

1. The Seller shall not assign the Contract in whole or part without obtaining the prior written consent of buyer.
2. The Seller shall not sub-contract the Contract in whole or part to any entity without obtaining the prior written consent of buyer.
3. The Seller shall, notwithstanding the consent and assignment/sub-contract, remain jointly and severally liable and responsible to buyer together with the assignee/ sub-contractor, for and in respect of the due performance of the Contract and the Sellers obligations there under.

## 10. **Generic**

**Upload Manufacturer authorization:** Wherever Authorised Distributors are submitting the bid, Manufacturers Authorisation Form (MAF)/Certificate with OEM details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid.

## 11. **Generic**

Without prejudice to Buyer's right to price adjustment by way of discount or any other right or remedy available to Buyer, Buyer may terminate the Contract or any part thereof by a written notice to the Seller, if:

- i) The Seller fails to comply with any material term of the Contract.
- ii) The Seller informs Buyer of its inability to deliver the Material(s) or any part thereof within the stipulated Delivery Period or such inability otherwise becomes apparent.
- iii) The Seller fails to deliver the Material(s) or any part thereof within the stipulated Delivery Period and/or to replace/rectify any rejected or defective Material(s) promptly.
- iv) The Seller becomes bankrupt or goes into liquidation.
- v) The Seller makes a general assignment for the benefit of creditors.
- vi) A receiver is appointed for any substantial property owned by the Seller.
- vii) The Seller has misrepresented to Buyer, acting on which misrepresentation Buyer has placed the Purchase Order on the Seller.

## 12. **Certificates**

Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.

## 13. **Certificates**

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.

## 14. **Warranty**

Successful bidder will have to ensure that adequate number of dedicated technical service personals / engineers are designated / deployed for attending to the Service Request in a time bound manner and for ensuring Timely Servicing / rectification of defects during warranty period, as per Service level agreement indicated in the relevant clause of the bid.

## 15. **Warranty**

Timely Servicing / rectification of defects during warranty period: After having been notified of the defects / service requirement during warranty period, Seller has to complete the required Service / Rectification within 15 days time limit. If the Seller fails to complete service / rectification with defined time limit, a penalty of 0.5% of Unit Price of the product shall be charged as penalty for each week of delay from the seller. Seller can deposit the penalty with the Buyer directly else the Buyer shall have a right to recover all such penalty amount from the Performance Security (PBG). Cumulative Penalty cannot exceed more than 10% of the total contract value after which the Buyer shall have the right to get the service / rectification done from alternate sources at the risk and cost of the Seller besides forfeiture of PBG. Seller shall be liable to re-imburse the cost of such service / rectification to the Buyer.

## 16. **Service & Support**

Availability of Service Centres: Bidder/OEM must have a Functional Service Centre in the State of each Consignee's Location in case of carry-in warranty. (Not applicable in case of goods having on-site warranty). If service center is not already there at the time of bidding, successful bidder / OEM shall have to establish one within 30 days of award of contract. Payment shall be released only after submission of documentary evidence of having Functional Service Centre.

**17. Service & Support**

Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.

**18. Service & Support**

Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.

**19. Scope of Supply**

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)

**20. Generic**

The Buyer has an existing set up / inventory of similar products. The offered / supplied product must be compatible with existing system. The bidder has to ensure Compatibility of the supplied items or shall have to include in the supply the necessary hardware / software to make them compatible at no extra cost to the buyer. The details of items with which compatibility is required are as under: Supportive Services and Software Updates

**21. OEM**

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.

**22. Generic**

The successful bidder has to supply all essential accessories required for the successful installation and commissioning of the goods supplied. Besides standard accessories as per normal industry practice, following accessories must be part of supply and cost should be included in bid price: As specified in the attached ATC document.

**23. Buyer Added Bid Specific ATC**

Buyer uploaded ATC document [Click here to view the file.](#)

## **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---**