

## Bid Document

| <b>Bid Details</b>   |   |
|--|---|
| <b>Bid End Date/Time</b>   | 13-09-2022 15:00:00                             |
| <b>Bid Opening Date/Time</b>   | 13-09-2022 15:30:00                             |
| <b>Bid Offer Validity (From End Date)</b>                                    | 120 (Days)                                      |
| <b>Ministry/State Name</b>   | Ministry Of Earth Sciences                      |
| <b>Department Name</b>   | National Centre For Coastal Research Nccr       |
| <b>Organisation Name</b>   | National Centre For Coastal Research Nccr       |
| <b>Office Name</b>   | Nccr Chennai                                    |
| <b>Total Quantity</b>  | 4   |
| <b>Item Category</b>   | DESIGNING SOFTWARE (Version 2.0) (Q3)           |
| <b>Minimum Average Annual Turnover of the bidder (For 3 Years)</b>           | 50 Lakh (s)                                     |
| <b>OEM Average Turnover (Last 3 Years)</b>                                   | 25 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>                    | No  |
| <b>Startup Exemption for Years of Experience and Turnover</b>                | No  |
| <b>Past Performance</b>  | 10 %  |
| <b>Bid to RA enabled</b>   | Yes   |
| <b>RA Qualification Rule</b>   | 50% Lowest Priced Technically Qualified Bidders |
| <b>RCM Applicable</b>  | Yes   |
| <b>Time allowed for Technical Clarifications during technical evaluation</b> | 7 Days  |
| <b>Evaluation Method</b>   | Total value wise evaluation                     |

### EMD Detail

|          |    |
|----------|----|
| Required | No |
|----------|----|

### ePBG Detail

|                                     |                     |
|-------------------------------------|---------------------|
| Advisory Bank                       | State Bank of India |
| ePBG Percentage(%)                  | 3.00                |
| Duration of ePBG required (Months). | 3                   |

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

**Beneficiary:**

National Centre for Coastal Research  
NCCR Chennai, National Centre for Coastal Research NCCR, National Centre for Coastal Research NCCR, Ministry of Earth Sciences  
(Director)

**Splitting**

Bid splitting not applied.

**MII Purchase Preference**

|                         |     |
|-------------------------|-----|
| MII Purchase Preference | Yes |
|-------------------------|-----|

**MSE Purchase Preference**

|                         |     |
|-------------------------|-----|
| MSE Purchase Preference | Yes |
|-------------------------|-----|

1. 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.
2. 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.
3. 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.
4. 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.
5. 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.

6. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 10% 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.

### Section 9(3) Of GST

Where ever RCM is applicable, sellers (Regular GST registered seller who opted out of FCM , unregistered seller, seller registered under composition scheme)will be forced to put Zero GST and GST cess in their bids. Buyer will have liability of paying the GST and GST cess to the government on the specified rate mentioned by them in this Bid.

7. Reverse Auction would be conducted amongst first 50% of the technically qualified bidders arranged in the order of prices from lowest to highest. Number of sellers eligible for participating in RA would be rounded off to next higher integer value if number of technically qualified bidders is odd (e.g. if 7 bids are technically qualified, then RA will be conducted amongst L-1 to L-4). In case number of technically qualified bidders are 2 or 3, RA will be between all without any elimination. If Buyer has chosen to split the bid amongst N sellers, then minimum N sellers would be taken to RA round. In case Primary products of only one OEM are left in contention for participation in RA based on lowest 50% bidders qualifying for RA, the number of sellers qualifying for RA would be increased to get at least products of one more OEM (directly participated or through its reseller) if available. Further, if bid(s) of any seller(s) eligible for MSE preference is / are coming within price band of 15% of Non MSE L-1 or if bid of any seller(s) eligible for Make in India preference is / are coming within price band of 20% of non MII L-1, then such MSE / Make in India seller shall also be allowed to participate in the RA process.

### DESIGNING SOFTWARE (Version 2.0) ( 4 pieces )

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

|            |                    |
|------------|--------------------|
| Brand Type | Unregistered Brand |
|------------|--------------------|

#### Technical Specifications

\* As per GeM Category Specification

| Specification     | Specification Name   | Bid Requirement (Allowed Values)  |
|-------------------|--|---|
| BASIC INFORMATION | <b>Modules of Designing Software offered in the scope of supply</b>                  | Architecture Design, Mechanical Design, Structure Design, Infrastructure Design, Electrical Design, Electronic Design, General Design |
|                   | <b>Type of Edition of the offered product</b>  | Commerical Edition, Academic Edition  |
| SCOPE OF LICENCE  | <b>Types of Licence</b>  | Subscription  |
|                   | <b>" Duration of Subscription (in years) (Hint :- Select '0' if not applicable)"</b> | 1.0 - 5.0 Or higher   |

| Specification         | Specification Name  | Bid Requirement (Allowed Values)   |
|-----------------------|---|--|
|                       | <b>OEM Licensing policy</b>   | Per named user/user, Per Server  |
|                       | <b>Number of licensing included in the offered product as per OEM defined licensing policy</b>  | 1 - 100  |
|                       | Licence Delivery Mode   | Electronic Licence   |
|                       | Platform type   | Desktop based  |
|                       | <b>Scope of Installation</b>  | Installation, Configuration  |
|                       | <b>The offered product have support from OEM for</b>  | Unlimited updation for Patches and Bug fixes within maintenance & support period, Unlimited upgradation of version within support period, NA   |
|                       | <b>Number of Years for OEM support for updation (Patches and Bug fixes) is included in the scope of supply (Hint :- Select '0' if not applicable)</b> | 1.0 - 5.0 Or higher  |
|                       | <b>Number of Years for OEM support for Upgradation of version is included in the scope of supply (Hint :- Select '0' if not applicable)</b>           | 0 - 5  |
|                       | <b>Training Options</b>   | Virtual  |
|                       | <b>No of days Training Provided (Hint :- Select '0' if not applicable)</b>  | 3.0 - 10.0 Or higher   |
| ARCHITECTURE DESIGN   | <b>Architecture Design Features</b>   | Parametric Modeling, Building Layout & Design, Site Layout, MasterPlanning, Sustainability Design, Walk-Through Animation, Massing Studies, NA   |
| MECHANICAL DESIGN     | <b>Mechanical Design Features</b>   | NA   |
| STRUCTURE DESIGN      | <b>Structure Design Features</b>  | Composite Material Design, Structural Detailing, Stress Analysis, Structural Validation, NA  |
| INFRASTRUCTURE DESIGN | <b>Infrastructure Design Features 1</b>   | Site Planning & Layout, Highway and Road Design, Rail Design, Site Development, Geospatial Analysis & Geo Refrencing, GIS Integration, Corridor Modelling, Horizontal and Vertical Curves, Bridge Modelling, Point Cloud Data Processing, NA |
|                       | <b>Infrastructure Design Features 2</b>   | Master Planning, Volumetric Analysis, Earthwork Calculation, Thematic Analysis, Existing conditions modelin, NA  |
| ELECTRICAL DESIGN     | <b>Electrical Design Features</b>   | Electrical cable and Conduit design, Panel Design, Circuit Simulation, Load Takeoff Calculation, Electrical Fabrication, NA  |

| Specification  | Specification Name  | Bid Requirement (Allowed Values)  |
|--|---|---|
| ELECTRONIC DESIGN  | <b>Electronic Design Features 1</b>   | Support Distributed Computing, S-Parameter Simulation support, Harmonic Balance Simulation, X-Parameter Simulation/Support, RF System design and Simulation, S- Parameter Checker, Tuning and Optimization, Optimization for EM and Circuit Co-Simulation, FEM Mesh Domain Optimization, RF System Budget Analysis, Yield Analysis and Yield Optimization, Sensitivity Analysis and Sensitivity Optimization, IP Encoder to protect data, NA  |
|  | <b>Electronic Design Features 2</b>   | Simulation result Data Display window, DSP and Algorithm Blocks, Digital Filter design wizard, HDL (hardware description language ) Code Generation, HDL Co-Simulation with RF System Model, Fixed Point Library, Phased array Intermod and Harmonics 3D Beam Plotting Capability, Support Digital, RF & Hybrid Beam Forming, 3D Antenna Pattern file support, Dynamic 3D graph capability, Radar Source Models, Radar Target Models, Radar Sea Clutter Model, NA   |
|  | <b>Electronic Design Features 3</b>   | Multi Scattering Target model with Latitude, Longitude and Altitude Support, Cover and Deceptive Jamming EW Models, Clutter Model with PDF, Radar Platform models with Latitude, Longitude and Altitude Support, Radar Propagation loss model for Rainfall and Snowfall, Radar Signal Processing models, Phased Array toolbox, Radar Measurement Model, RF Budget Analysis for Phased Array System, 3D Antenna Beam Plotting for Phased Array, Intermod and Harmonics analysis for Phased array System, RF Budget Planning and System simulation Tool, NA |
|  | <b>EM simulation method used</b>  | MOM (Method of moments ), FEM( Finite Element Method ), NA  |
|  | <b>Number of Core for EM Multi -thread supported by the offered product</b> | 4, 8, 16, 32, NA  |
|  | COMMON PARAMETERS   | <b>Common parameters features 1</b>   |
| <b>Common parameters features 2</b>                                |   | Finite Element Analysis, Animation, Conceptual design, Structural Detailing, Stress Analysis, Structural Validation, System Level Design, Schematic Design CapabilitySchematic Design Capability, Layout Design Capability, Layout DRC(design rule check ) and LVS (layout versus schematic), Design Guide support, Support different CAD files import, Support Python Script, DC and AC Simulation, NA   |
| <b>Basic information modeling supported by the offered product</b> |   | 2 D, 3 D, 4 D, 5 D, NA  |

### Input Tax Credit(ITC) and Reverse Charge(RCM) Details

| ITC on GST | ITC on GST Cess | RCM Applicable | GST as per RCM | GST Cess 1 as per RCM | GST Cess 2 as per RCM | Optional RCM |
|------------|-----------------|----------------|----------------|-----------------------|-----------------------|--------------|
| NA         | NA              | Yes            | 18%            | NA                    | NA                    | No           |

### Consignees/Reporting Officer and Quantity

| S.No. | Consignee/Reporting Officer | Address   | Quantity | Delivery Days |
|-------|-----------------------------|---|----------|---------------|
| 1     | Sisir Kumar Dash            | 600100,NIOT Campus, Velachery-Tambaram Main Road, Pallikaranai, Chennai | 4        | 15            |

### 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

Installation, Commissioning, Testing, Configuration, Training (if any - which ever is applicable as per scope of supply) is to be carried out by OEM / OEM Certified resource or OEM authorised Reseller.

#### 3. Generic

Scope of supply includes Training: Number of employees to be trained 5 , Place for Training NCCR Chennai and Duration of training 3 days.

#### 4. Generic

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

#### 5. 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: Yes.

#### 6. 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.

## 7. 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.

## 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---**