

## Bid Document

<b>Bid Details</b>	
<b>Bid End Date/Time</b>	04-10-2022 12:00:00
<b>Bid Opening Date/Time</b>	04-10-2022 12:30:00
<b>Bid Offer Validity (From End Date)</b>	75 (Days)
<b>Ministry/State Name</b>	Ministry Of Science And Technology
<b>Department Name</b>	Department Of Science And Technology (dst)
<b>Organisation Name</b>	Indian Institute Of Astrophysics (iia)
<b>Office Name</b>	Bengaluru
<b>Total Quantity</b>	5
<b>Item Category</b>	GEOGRAPHIC INFORMATION SYSTEM(GIS) SOFTWARE (Version 2.0) (Q3)
<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>	Yes
<b>RA Qualification Rule</b>	H1-Highest Priced Bid Elimination
<b>Time allowed for Technical Clarifications during technical evaluation</b>	2 Days
<b>Evaluation Method</b>	Total value wise evaluation

### EMD Detail

Required	No
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### ePBG Detail

Advisory Bank	Bank Of Baroda
ePBG Percentage(%)	3.00
Duration of ePBG required (Months).	14

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

**Beneficiary:**

Stores & Purchase Officer  
Bengaluru, Department of Science and Technology (DST), Indian Institute of Astrophysics (IIA), Ministry of Science and Technology  
(Vishnu Vardhan Kp)

**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.

3. Reverse Auction would be conducted amongst all the technically qualified bidders except the Highest quoting bidder. The technically qualified Highest Quoting bidder will not be allowed to participate in RA. However, H-1 will also be allowed to participate in RA in following cases:

- i. If number of technically qualified bidders are only 2 or 3.
- ii. If Buyer has chosen to split the bid amongst N sellers, and H1 bid is coming within N.
- iii. In case Primary product of only one OEM is left in contention for participation in RA on elimination of H-1.
- iv. If L-1 is non-MSE and H-1 is eligible MSE and H-1 price is coming within price band of 15% of Non-MSE L-1
- v. If L-1 is non-MII and H-1 is eligible MII and H-1 price is coming within price band of 20% of Non-MII L-1

**GEOGRAPHIC INFORMATION SYSTEM(GIS) SOFTWARE (Version 2.0) ( 5 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)
BASIC INFORMATION	<b>Types of GIS Software offered in the scope of supply</b>	Desktop GIS
SCOPE OF LICENCE	<b>Types of Licence</b>	Perpetual
	<b>Duration of Subscription (in months) (Hint :- Select '0' if not applicable)</b>	0.0 - 60.0 Or higher
	<b>OEM Licensing policy</b>	Per Named User/User
	<b>Number of licensing included in the offered product as per OEM defined licensing policy</b>	1.0 - 500.0 Or higher
	Licence Delivery Mode	Electronic Licence
	<b>Platform type</b>	Desktop based
	<b>Hosting Enviroment/ Deployment Option</b>	Cloud, On Premises
	<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
	<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>	1.0 - 5.0 Or higher
	<b>Training Options</b>	OEM Training Centre,Virtual
	<b>Number of days Training Provided (Hint :- Select '0' if not applicable)</b>	1.0 - 10.0 Or higher
GIS SERVER	<b>GIS Server Features</b>	NA
	GIS Server Generic Features	NA

Specification	Specification Name	Bid Requirement (Allowed Values)
DESKTOP GIS	<b>Desktop GIS Features</b>	Image classification like thematic classes, Individual band settings, Color maps, Contrast, Brightness., Use map templates to standardize maps .
	Thematic Symbolology for the map available in the offered product	Single symbol, Unique value, Match to predefined style, Graduated colors or symbols, Proportional symbols, Dot density mapping, Chart mapping including pie and bar chart, Bivariate and multivariate data rendering
	Display Facility for Elevation Data for the map available in the offered product	TIN(Triangular Irregular Networks), Contour with Index Contours, DEM - Hillshade with Sun Position Control, DEM-Shaded Relief Using Hillshade and Elevation, Terrain Contour with Index Contours, Terrain Face, Aspect, Elevation, Slope
	Desktop GIS Generic Features	Support dynamic analysis and nested queries,, NA
IMAGE HANDLING AND PROCESSING	<b>Image Handling And Processing Features</b>	Image Exporting capability, Image Management capability, Resampling, Georeference Imagery
	Image Handling And Processing Generic Features	Pixel level editing, Support parallel processing across multiple machines and instances, Support Distributed storage, Support large raster analysis tasks, Create orthomosaics, digital surface models, and multispectral indices, Images Compress without any visual loss, Unsupervised and Supervised classification,, Support Lidar data analysis like 2D/3D view, volume calculation, 3D Measurement, Generate contours, classification, Workflow based Raster, Vector, Point cloud operators for analysis,
3D ANALYSIS	<b>3 D ANALYSIS Features</b>	LAS data support, TIN, DEM support
	3 D ANALYSIS Generic Features	3D analysis support like Line of Sight, Viewshed, Steepest path, Support import and export of data in .kml/.kmz, GIS layers can be updated using point cloud layer in 3D environment, NA
SPATIAL ANALYSIS	<b>Spatial Analysis Features</b>	Spatial Analysis capability, Proximity Analysis, Overlay Analysis, Zonal and Focal Analysis, Classification and Clustering, Standard Interpolation
	Spatial Analysis Generic Features	Support density value assessment, Tools for assessment of Hydrologic characteristics, flow path length, and assign stream orders
GEO STATISTICAL ANALYSIS	GEO Statistical Analysis Features	Support Geostatistical simulation with multiple surfaces outputs, Support surface modeling using deterministic and geostatistical methods, Support statistical models to create and identify data anomalies
	Supported Interpolation methods	Inverse distance weighted,, Radial-based functions, Kriging methods including Simple, Universal, 5. Indicator and Probability, Disjunctive and Empirical Bayesian kriging
	Real-world analysis supported	Atmospheric data analysis, Petroleum exploration, Mining exploration, Environmental analysis, Precision agriculture, Fish and wildlife studies
ROUTING AND NETWORK ANALYSIS	Routing and Network Analysis Features	NA

Specification	Specification Name	Bid Requirement (Allowed Values)
LOCATION TRACKING	<b>Location Tracking Features</b>	NA
	Location Tracking Generic Features	NA
GEO TAGGING	Geo Tagging Features	NA
GIS DATA MANAGEMENT	GIS Data Management Features	Spatio-temporal analysis, Support exploratory spatial analysis to visualize and analyze data in Box plots, data clocks, chord diagrams, heat charts, bubble, histogram, scatter, time-series graph, and treemap, as well as traditional bar, line, donut charts etc, Support Vector, tabular data, csv files, standard big data sources, Support visualization of data as maps, charts, and tables
ADVANCED FEATURES	Advance Features	Perform Automatic Image Georeferencing and Edge Matching multiple images, NA
DASHBOARD	Dashbord Features	NA
REPORTING	Reporting Features	NA
	Additional Features	NA
GENERIC PARAMETERS	Supported Operating System	Windows, Mac, Linux
	Supported Web browsers	NA
	Supported Database	Oracle Locator / Spatial, NA
	Supported cloud service providers	AWS, Azure

**Additional Specification Parameters - GEOGRAPHIC INFORMATION SYSTEM(GIS) SOFTWARE (Version 2.0) ( 5 pieces )**

Specification Parameter Name	Bid Requirement (Allowed Values)
Minimum Hard Disk Space Required in GB, Minimum RAM Size required in GB, Server/CPU configuration requirements, 3 D ANALYSIS Generic Features	4 GB, 8 GB, GPU 1GB OPEN GL 2.0, GIS layers can be updated using point cloud layer in 3D environment
OEMs or Authorized dealers	Only Original Equipment Manufacturers (OEMs) or their authorized dealers (who possess the latest authorization certificate given by the OEM in the name of the dealer) are eligible to submit the tenders
Training	Vendors should train the person(s) of IIA on the setup, connectivity, and usage of the software. Vendors should conduct training sessions (basic to advanced) to IIA persons on the usage of IDL software (2 or 3 persons per license).
User Manuals	Vendors should provide all user manuals, documents that help using the software

Specification Parameter Name	Bid Requirement (Allowed Values)
Installation and Configuration	Vendors should deliver, install and configure (both softwares and licences) in servers located at the Indian Institute of Astrophysics, Koramangala, Bengaluru-560 034.

\* 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	Vishnu Vardhan KP	560034, Indian Institute of Astrophysics 2nd block, Koramangala, Bangalore	5	15

### Buyer Added Bid Specific Terms and Conditions

#### 1. 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)

#### 2. 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.

#### 3. 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.

#### 4. Warranty

Warranty period of the supplied products shall be 1 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.

#### 5. Forms of EMD and PBG

Successful Bidder can submit the Performance Security in the form of Account Payee Demand Draft also (besides PBG which is allowed as per GeM GTC). DD should be made in favour of The Director, Indian Institute of Astrophysics, 2nd Block, Koramangala, Bangalore payable at Bangalore. After award of contract, Successful Bidder can upload scanned copy of the DD in place of PBG and has to ensure delivery of hard copy to the original DD to the Buyer within 15 days of award of contract.

### 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---**