

**GOVERNMENT OF INDIA
DEPARTMENT OF SPACE
VIKRAM SARABHAI SPACE CENTRE (VSSC)
THIRUVANANTHAPURAM**

Tender for CNC Co-ordinate Measuring Machine

Bids to be submitted online

Tender No.: VSSC/PURCHASE UNIT II (AVN)/VS202100360601 dated 13-10-2023

A. Tender Details

Tender No : **VSSC/PURCHASE UNIT II (AVN)/VS202100360601**

Tender Date : **13-10-2023**

Tender Classification: **GOODS**

Purchase Entity : **PURCHASE UNIT II (AVN)**

Centre : **VIKRAM SARABHAI SPACE CENTRE (VSSC)**

CNC Co-ordinate Measuring Machine

CNC Co-ordinate Measuring Machine

A.1 Tender Schedule

Bid Submission Start Date : **16-10-2023 09:30**

Bid Clarification Due Date : **08-11-2023 11:00**

Bid Submission Due Date : **13-11-2023 14:00**

Bid Opening Date : **13-11-2023 15:00**

Price Bid Opening Date : **23-11-2023 11:00**

B. Tender Attachments

Technical Write-up/Drawings

Document : CNC CMM-Specification

Document : Cost matrix

Document : AMC T&C-CNC CMM

Document : CNC CMM-Specification

Instructions To Vendors

5. PROFORMA FOR INSTRUCTIONS TO TENDERERS AND TERMS AND CONDITIONS OF TENDER

1. a All available technical literature, catalogues and other data in support of the specifications and details of the items should be furnished along with the offer.
b Samples, if called for, should be submitted free of all charges by the tenderer and the Purchaser shall not be responsible for any loss or damage thereof due to any reason whatsoever. In the event of nonacceptance of tender, the tenderer will have to remove the samples at his own expense.
c Approximate net and gross weight of the items offered shall be indicated in your offer. If dimensional details are available the same should also be indicated in your offer.
d Specifications Stores offered should strictly confirm to our specifications. Deviations, if any, should be clearly indicated by the tenderer in his quotation. The tenderer should also indicate the Make and Type number of the stores offered and provide catalogues, technical literature and samples, wherever necessary, along with the quotations. Test Certificates, wherever necessary, should be forwarded along with supplies. Wherever options have been called for in our specifications, the tenderer should address all such options. Wherever specifically mentioned by us, the tenderer could suggest changes to specifications with appropriate response for the same.
2. a All available technical literature, catalogues and other data in support of the specifications and details of the items should be furnished along with the offer.
b Samples, if called for, should be submitted free of all charges by the tenderer and the Purchaser shall not be responsible for any loss or damage thereof due to any reason whatsoever. In the event of nonacceptance of tender, the tenderer will have to remove the samples at his own expense.
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3. ACCEPTANCE OF STORES

- a The stores shall be tendered by the Contractor for inspection at such places as may be specified by the purchaser at the Contractors own risk, expense and cost.
- b It is expressly agreed that the acceptance of the stores Contracted for, is subject to final approval by the purchaser, whose decision shall be final.
- c If, in the opinion of the purchaser, all or any of the stores do not meet the performance or quality requirements specified in the Purchase Order, they may be either rejected or accepted at a price to be fixed by the purchaser and his decision as to rejection and the prices to be fixed shall be final and binding on the Contractor.
- d If the whole or any part of the stores supplied are rejected in accordance with Clause No. c above, the purchaser shall be at liberty, with or without notice to the Contractor, to purchase in the open market at the expense of the Contractor stores meeting the necessary performance and quality Contracted for in place of those rejected, provided that either the purchase, or the agreement to purchase, from another supplier is made within six months from the date of rejection of the stores as aforesaid.

4. Arbitration

In the event of any disputes, differences or claims arising out of or relating to the interpretation and application of the Contract, such disputes or differences or claims shall be settled amicably by mutual consultations of the good Offices of the respective Parties and recognizing their mutual interests attempt to reach a solution satisfactory to both the parties. If such a resolution is not possible, within 30 days from the date of receipt of written notice of the existence of such disputes, then the unresolved disputes or differences or claims shall be referred to the Sole Arbitrator appointed by the Parties by mutual consent in accordance with the rules and procedures of Arbitration and Conciliation Amendment Act 2015 as amended from time to time. The arbitration shall be conducted in Bengaluru in the Arbitration and Conciliation Centre Bengaluru, Domestic and International, as per its rules and regulations. The expenses for the Arbitration shall be shared equally or as may be determined by the Arbitrator. The considered and written decision of the Arbitrator shall be final and binding between the Parties. The applicable language for Arbitration shall be English only. Work under the Contract shall be continued by the CONTRACTOR during the pendency of arbitration proceedings, without prejudice to a final adjustment in accordance with the decision of the Arbitrator unless otherwise directed in writing by the DEPARTMENT or unless the matter is such that the works cannot be possibly continued until the decision whether final or interim of the Arbitrator is obtained.

5. As a Government of India Department, this office is exempted from payment of Octroi and similar local levies. Tenderers shall ensure that necessary Exemption Certificates are obtained by them from the Purchase Officer concerned to avoid any payment of such levies.

6. a Your offer should be valid for 90 days from the date of opening of the tender.

b Prices are required to be quoted according to the units indicated in the annexed tender form. When quotations are given in terms of units other than those specified in the tender form, relationship between the two sets of units must be furnished.

7. c The term Purchase Order shall mean the communication signed on behalf of the Purchaser by an Officer duly authorised intimating the acceptance on behalf of the Purchaser on the terms and conditions mentioned or referred to in the said communication accepting the tender or offer of the Contractor for supply of stores or plant, machinery or equipment or part thereof.

8. DESPATCH The Contractor is responsible for obtaining a clear receipt from the Transport Authorities specifying the goods despatched. The consignment should be despatched with clear Railway Receipt or Lorry Receipt. If sent in any other mode, it shall be at the risk of the Contractor. Purchaser will take no responsibility for short deliveries or wrong supply of goods when the same are booked on said to contain basis. Purchaser shall pay for only such stores as are actually received by them in accordance with the Contract.

9. Force Majeure

Neither the Purchaser nor the Contractor shall be considered default of the performance of their obligations under this contract if such performance is prevented or delayed for any causes beyond the reasonable control of the parties to the contract affected, such as Acts of God, war, riots, civil commotion, illegal strikes, legal lockouts, epidemics, fire accidents, floods, earthquakes, proclamation or regulation or ordinance of any Government thereof, provided notice in writing of any such cause with necessary proof that the obligation under the contract is thereby affected or prevented or delayed, is given within 14 days from the happening of the event. As soon as the cause of force majeure has ceased to exist, the party whose ability to perform his obligation has been affected shall notify the other party of the actual delay that has occurred due to such force majeure conditions.

10. FOREIGN VENDORS ARE NOT PERMITTED TO QUOTE

a. Only Class I and Class II Local suppliers as per Make in India Policy are eligible to participate in the bid

b. The percentage of local content should be specifically mentioned in the offer, without which it will be summarily rejected.

c. Preference will be given to Class I Local supplier and in their absence, Class II Local supplier will be considered.

11. GUARANTEE AND REPLACEMENT

- a The Contractor shall guarantee that the stores supplied shall comply fully with the specifications laid down, for material, workmanship and performance.
- b For a period of twelve months after the acceptance of the stores, if any defects are discovered therein or any defects therein found to have developed under proper use, arising from faulty stores design or workmanship, the Contractor shall remedy such defects at his own cost provided he is called upon to do so within a period of 14 months from the date of acceptance thereof by the purchaser who shall state in writing in what respect the stores or any part thereof are faulty.
- c If, in the opinion of the purchaser, it becomes necessary to replace or renew any defective stores such replacement or renewal shall be made by the Contractor free of all costs to the purchaser, provided the notice informing the Contractor of the defect is given by the purchaser in this regard within the said period of 14 months from the date of acceptance thereof.
- d Should the Contractor fail to rectify the defects, the purchaser shall have the right to reject or repair or replace at the cost of the Contractor the whole or any portion of the defective stores.
- e The decision of the Purchaser notwithstanding any prior approval or acceptance or inspection thereof on behalf of the Purchaser, as to whether or not the Stores supplied by the Contractor are defective or any defect has developed within the said period of 12 months or any other period or as to whether the nature of defects requires renewal or replacement, shall be final, conclusive and binding on the Contractor.
- f To fulfill guarantee conditions outlined in a to e above, the Contractor shall, at the option of the Purchaser, furnish a Bank Guarantee as prescribed by the Purchaser

12. Liquidated Damages

The Delivery Date mentioning in the Contract or Order will be the essence of the Contract. You shall strictly adhere to the delivery schedule mentioned in your quotation. Please confirm acceptance of LD clause and that you will strictly adhere to the delivery schedule.

13. PACKING FORWARDING AND INSURANCE The Contractor will be held responsible for the stores being sufficiently and properly packed for transport by rail, road, sea or air to withstand transit hazards and ensure safe arrival at the destination. The packing and marking of packages shall be done by and at the expense of the Contractor. The purchaser will not pay separately for transit insurance, all risks in transit being exclusively of the Contractor and the Purchaser shall pay only for such stores as are actually received in good condition in accordance with the Contract.

14. Preference will be given to those tenders offering supplies from ready stocks and on the basis of FOR destination or delivery at site.

15. PRICES Tender offering firm prices will be preferred. Where a price variation clause is insisted upon by a tenderer, quotation with a reasonable ceiling should be submitted. Such offers should invariably be supported by the base price taken into account at the time of tendering and also the formula for any such variations.

16. REJECTED STORES

Rejected stores will remain at destination at the Contractors risk and responsibility. If instructions for their disposal are not received from the Contractor within a period of 14 days from the date of receipt of the advice of rejection, the purchaser or his representative has, at his discretion, the right to scrap or sell or consign the rejected stores to Contractors address at the Contractors entire risk and expense, freight being payable by the Contractor at actuals.

17. Sales Tax and or other duties or levies legally leviable and intended to be claimed should be mentioned in the price bid template. If nothing is mentioned, then it will be presumed that the rate quoted is inclusive of all taxes and duties.

18. SECURITY DEPOSIT Wherever, the Purchase Order value is Rs. 5.00 Lakhs or more, on acceptance of the tender, the Contractor shall, at the option of the Purchaser and within the period specified by him, deposit with him, in cash or in any other form as the Purchaser may determine, security deposit not exceeding three percent of the value of the Contract as the Purchaser shall specify. If the Contractor is called upon by the Purchaser to deposit, Security and the Contractor fails to provide the security within the period specified, such failure shall constitute a breach of the Contract, and the Purchaser shall be entitled to make other arrangements for the repurchase of the stores Contracted at the risk of the Contractor in terms of Sub-Clause ii and iii of clause regarding Delivery. b hereof and or to recover from the Contractor, damages arising from such cancellation.

19. TERMS AND CONDITIONS OF TENDER

20. TEST CERTIFICATE Wherever required, test certificates should be sent along with the despatch documents.

21. The authority of the person signing the tender, if called for, should be produced.

22. The Purchaser reserves the right to place order on the successful tenderer for additional quantity up to 25percent of the quantity offered by them at the rates quoted.

23. The purchaser shall be under no obligation to accept the lowest or any tender and reserves the right of acceptance of the whole or any part of the tender or portions of the quantity offered and the tenderers shall supply the same at the rates quoted.

24. The tenderer should supply along with his tender, the name of his bankers as well as the latest Income Tax clearance certificate duly countersigned by the Income Tax Officer of the Circle concerned under the seal of his office, if required by the Purchaser.

25. The term Contractor shall mean, the person, firm or company with whom or with which the order for the supply of Stores is placed and shall be deemed to include the Contractors successors,

representative, heirs, executors and administrators unless excluded by the Contract.

26. The term Purchaser shall mean the President of India or his successors or assigns.

27. The term Stores shall mean what the Contractor agrees to supply under the Contract as specified in the Purchase Order including erection of plants & machinery and subsequent testing, should such a condition is included in the Purchase Order.

28. GeM Seller Registration:

All vendors shall register themselves in GeM Portal (gem.gov.in) and provide GeM Seller unique ID in the tender documents.

6. Conditions for BIDDER FROM A COUNTRY WHICH SHARES LAND BORDER WITH INDIA - Restrictions under Rule 144 (XI) in GFR, 2017.

1. 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.

Competent Authority for the purpose of registration shall be the Registration Committee constituted by the Department for Promotion of Industry and Internal Trade (DPIIT).

2. Any false declaration and non-compliance of the above would be a ground for immediate rejection of offer or termination of the contract and further legal action in accordance with the laws.

3. Validity of Registration: Registration should be valid at the time of submission of bids and should be valid at the time of placement of order.

C. Bid Templates

C.1 Technical Bid - CNC Co-ordinate Measuring Machine

1. CNC CO-ORDINATE MEASURING MACHINE: Supply installation and training of CNC co-ordinate measuring machine as per the specification and terms and conditions attached.

2. CNC CO-ORDINATE MEASURING MACHINE: AMC of CNC co-ordinate measuring machine as per the specification and terms and conditions attached.

Common Specifications (Applicable for all items)

Sl No	Specification	Value	Compliance	Offered Specification	Remark
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1	Scope:	<p>Supply of a moving bridge type CNC Co-ordinate Measuring Machine (CNC CMM) complete in all aspects with all mandatory accessories (standard styli kit, basic fixtures, probe changing rack, calibration artifacts, suitable vibration isolation system, integrated refrigerated air filtration system), motorized articulating probe head with capability of having various extensions, probes and styli for discrete point probing and contact scanning and essential software having capability for contact discrete point probing, contact scanning and part to various computer generated models comparison with suitable computer system required for the operation of the CNC CMM with acceptance testing as per ISO 10360-2,4,5 at party's site, verification of conformance to acceptance criteria by supplier, submission of reports of testing at party's site, scrutiny and acceptance of the test results & dispatch clearance by VSSC, proper packaging, safe transportation, installation, demonstration, acceptance testing as per ISO 10360-2,4,5 & commissioning at VSSC, Thiruvananthapuram and providing training to VSSC nominated technically qualified personnel on operation, application software, trouble shooting, day to day maintenance etc at VSSC after installation</p>	Yes / No / Explain		
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		of the machine as per the specifications given under. Non-comprehensive AMC for five years after expiry of the warranty period (of two years) is also part of the scope. No parts/ software/ system supplied as part of CNC CMM shall be obsolete. And if it becomes obsolete during warranty period, it has to be replaced free of cost.			
2	End use:	For measurement of precision dimensions of components.	Yes / No / Explain		
3	Category of vendor:	Offers are invited only from domestic vendors (class I or class II) complying with Make in India Program of GOI.	Yes / No / Explain		
4	Category of vendor: (Conti...1)	The vendor shall mandatorily provide the percentage of local content in the offered product and details of local content (transportation, installation, commissioning and after sales support like AMC etc. shall not be included in the local content) along with the offer. Offers without the above details will not be considered.	Yes / No / Explain		
5	Category of vendor: (Conti...2)	The vendor shall provide the details (make, country of origin, etc.) of components like probing system, controller, operating software etc. in the offered item along with the offer. Offers without the above details will not be considered.	Yes / No / Explain		

6	Category of vendor: (Conti...3)	The vendor shall declare that the parts/ software/ system supplied as part of CNC CMM are not obsolete. And if it becomes obsolete during warranty period, it has to be replaced free of cost.	Yes / No / Explain		
7	Type of equipment	Moving bridge type CNC CMM as per ISO 10360-1:2000 or its latest version with motorized articulating scanning probe head and capable of discrete point probing & continuous contact scanning with joystick for manual operating of CMM and having a desktop PC with licensed software pre-installed for input and output.	Yes / No / Explain		
8	Type of equipment (Conti...1)	Machine is to be installed in the 3rd floor of a building. Machine shall be self standing on a suitable vibration isolation system with integrated refrigerated air filtration system (vibration isolation system and air filtration system to be supplied by the party).	Yes / No / Explain		
9	Machine capabilities	Machine shall be capable of complete CNC inspection / measurement on five faces of component within the specified measuring range.	Yes / No / Explain		
10	Machine capabilities (Conti...1)	Machine shall be capable of discrete point probing & continuous contact scanning using same probe head.	Yes / No / Explain		

11	Machine capabilities (Conti...2)	Machine shall be capable of mathematical alignment in work piece co-ordinate system, measurement of standard geometric elements, automatic feature recognition, computation of geometrical tolerances, computation of geometric relations, best fit, interpolation of data etc.	Yes / No / Explain		
12	Machine capabilities (Conti...3)	Machine shall have capability of part to CAD model comparison with suitable software & computer system.	Yes / No / Explain		
13	Machine capabilities (Conti...4)	Machine shall have offline & online inspection part programming capability for complete automatic inspection of parts.	Yes / No / Explain		
14	Machine capabilities (Conti...5)	Machine shall have automatic probe changing facility.	Yes / No / Explain		
15	Measuring range and resolution		-		
16	Horizontal axis-1 in mm	500 mm or next higher size	Yes / No / Explain		
17	Horizontal axis-2 in mm	600 mm or next higher size	Yes / No / Explain		
18	Vertical axis- Z in mm	500 mm or next higher size	Yes / No / Explain		
19	Resolution	0.2 μm or better	Yes / No / Explain		
20	Configuration of CMM		-		
21	Construction	Moving bridge type as per ISO 10360-1-2000 with high stiffness design	Yes / No / Explain		

22	Machine surface table	Stationary table made of Granite with clamping inserts of standard metric thread for holding the jobs and measuring accessories. Size of thread inserts to be specified by the party.	Yes / No / Explain		
23	Mechanical frame in X, Y & Z axes	Granite or ceramic or any other better material (details shall be provided by the party)	Yes / No / Explain		
24	Operation mode	CNC mode of control and operator controlled joystick for motorized movement on all axes and measurements	Yes / No / Explain		
25	Joystick	Operator controlled joystick shall have an emergency stop button and shall be possible to move the machine in part co-ordinate system	Yes / No / Explain		
26	Probing system		-		
27	Probe head	Motorized articulating scanning type probe head capable of accommodating probes for discrete point probing and continuous contact scanning.	Yes / No / Explain		
28	Probe head tilt increment	5° or 2.5° or infinite Note: This is for inspection of complex aerospace components having oblique holes at 5° and its multiples.	Yes / No / Explain		
29	Probe head angular tilt range	±90° or better Note: Probe heads having a combination of angular tilt range of 0-90° and angular rotation range of ±180° and meeting the probing capability range using combined motion of probe head angular tilt and rotation are also acceptable.	Yes / No / Explain		
30	Probe head angular rotation range	±180° or better	Yes / No / Explain		

31	Probe	Contact type stylus probe for discrete point probing and contact scanning. Details of probe head, probe and stylus combinations shall be provided by the party.	Yes / No / Explain		
32	Probe changing	Automatic probe change facility with manual override	Yes / No / Explain		
33	Measuring force	Minimum and maximum measuring force to be specified by the party	Yes / No / Explain		
34	Maximum weight of the stylus that can be carried by the probe head	Details to be specified by the party	Yes / No / Explain		
35	Maximum stylus shaft extension	100 mm or more Various length options also shall be quoted Maximum stylus lengths of $\varnothing 1$ mm, $\varnothing 1.5$ mm & $\varnothing 2$ mm shall also be quoted by the party	Yes / No / Explain		
36	Stylus tip diameter	Minimum $\varnothing 0.3$ mm or lesser Stylus kit with different tip diameters, lengths and probe extensions shall be quoted.	Yes / No / Explain		
37	Storage of probe calibration data	Software must allow storing 100 probe configurations calibration data.	Yes / No / Explain		
38	Collision protection for probing system	Machine shall have collision protection for probing system on both axis of rotation and the details shall be provided by the party	Yes / No / Explain		
39	Machine accuracy		-		
40	Maximum permissible error of length measurement, E0 MPE (as per ISO 10360-2:2009)	1.9+L/300 μ m or better, (L in mm)	Yes / No / Explain		

41	Maximum permissible limit of the repeatability range, RO MPL(as per ISO 10360-2:2009)	2 µm or better	Yes / No / Explain		
42	Maximum permissible scanning probing error, MPE THP (as per ISO 10360-4:2000)	3 µm or better	Yes / No / Explain		
43	Maximum permissible time for scanning test, MPT τ (as per ISO 10360-4:2000)	70 seconds or better	Yes / No / Explain		
44	Maximum permissible single stylus form error, PFTU, MPE (as per ISO 10360-5:2010)	2 µm or better	Yes / No / Explain		
45	Maximum permissible multi stylus form error for articulating probe head, PFTE, MPE (as per ISO 10360-5:2010)	Party shall specify the error values	Yes / No / Explain		
46	Maximum permissible multi stylus size error for articulating probe head, PSTE, MPE (as per ISO 10360-5:2010)	Party shall specify the error values	Yes / No / Explain		
47	Maximum permissible limit of the multi stylus location value for articulating probe head, PLTE, MPL (as per ISO 10360-5:2010)	Party shall specify the error values	Yes / No / Explain		

48	Minimum stylus length and maximum stylus tip diameter for proving the above accuracies	The above accuracies shall be proved with a stylus tip diameter of 5 mm and stylus length of 50mm. Party shall also quote probe extension, offset as per ISO 10360 & environmental conditions like temperature, humidity etc. for which the above accuracies are valid.	Yes / No / Explain		
49	Other machine features		-		
50	Travel speed	450 mm/s	Yes / No / Explain		
51	Acceleration	Party shall specify the value	Yes / No / Explain		
52	Expected component weight on the machine table	250 kg	Yes / No / Explain		
53	Temperature compensation	Machine shall have self contained system for temperature compensation for all measuring scales. Details to be provided by the party.	Yes / No / Explain		
54	Drive system:	Drive system movements shall be motorized in all axes	Yes / No / Explain		
55	Drive system: (Conti...1)	All moving parts shall have air bearings or slide on wear-proof guide to achieve smooth motions and long life with accuracy.	Yes / No / Explain		
56	Drive system: (Conti...2)	Machine shall have suitable damping accessories for vibration isolation. Party shall provide the details of such accessories	Yes / No / Explain		

57	Licensed software: Party shall provide valid Licensed single software (license valid during warranty period and AMC period) compatible with the machine. The supplied software shall be compatible with the Operating System (OS) of the supplied PC.	The single software shall be capable of carrying out all the operations for the functioning of CNC CMM including machine initialization, probe configuration & calibration, alignment in work piece coordinate system, manual measurement, CNC programming for automatic measurements etc	Yes / No / Explain		
58	Licensed software: (Conti...1) During warranty period, if required, the OS shall be updated along with the updation of the software.	The software shall also be capable of measurement of GD&T as per ISO 1101: 2017 or ASME Y 14.5: 2018 standards.	Yes / No / Explain		
59	Licensed software: (Conti...2)	measurement of standard geometric elements such as point, line, plane, circle, cylinder, cone etc and automatic feature recognition	Yes / No / Explain		
60	Licensed software: (Conti...3)	mathematical alignment in work piece co-ordinate system, best fit alignment etc.	Yes / No / Explain		
61	Licensed software: (Conti...4)	form error computation of the above geometrical elements according to GAUSS and ISO	Yes / No / Explain		
62	Licensed software: (Conti...5)	best fit computation and interpolation of data	Yes / No / Explain		
63	Licensed software: (Conti...6)	nominal- actual comparison of geometrical elements	Yes / No / Explain		
64	Licensed software: (Conti...7)	computation of geometrical tolerances like	Yes / No / Explain		

65	Licensed software: (Conti...7a)	flatness	Yes / No / Explain		
66	Licensed software: (Conti...7b)	circularity	Yes / No / Explain		
67	Licensed software: (Conti...7c)	cylindricity	Yes / No / Explain		
68	Licensed software: (Conti...7d)	sphericity	Yes / No / Explain		
69	Licensed software: (Conti...7e)	concentricity	Yes / No / Explain		
70	Licensed software: (Conti...7f)	perpendicularity	Yes / No / Explain		
71	Licensed software: (Conti...7g)	angularity	Yes / No / Explain		
72	Licensed software: (Conti...7h)	straightness	Yes / No / Explain		
73	Licensed software: (Conti...7i)	parallelism	Yes / No / Explain		
74	Licensed software: (Conti...7j)	position	Yes / No / Explain		
75	Licensed software: (Conti...7k)	symmetry	Yes / No / Explain		
76	Licensed software: (Conti...7l)	run-out	Yes / No / Explain		
77	Licensed software: (Conti...7m)	MMC-LMC etc	Yes / No / Explain		
78	Licensed software: (Conti...8)	Computation of following geometric relations (between geometric elements)	Yes / No / Explain		
79	Licensed software: (Conti...8a)	Distance	Yes / No / Explain		
80	Licensed software: (Conti...8b)	Angle	Yes / No / Explain		
81	Licensed software: (Conti...8c)	Bisector	Yes / No / Explain		
82	Licensed software: (Conti...8d)	Perpendicular	Yes / No / Explain		

83	Licensed software: (Conti...8e)	Normal plane	Yes / No / Explain		
84	Licensed software: (Conti...8f)	Tangent	Yes / No / Explain		
85	Licensed software: (Conti...8g)	Mid elements	Yes / No / Explain		
86	Licensed software: (Conti...8h)	Intersection of geometries like cylinders, planes etc	Yes / No / Explain		
87	Licensed software: (Conti...8i)	projections	Yes / No / Explain		
88	Licensed software: (Conti...9)	computation of minimum/maximum diameters of circular features in accordance with minimum circumscribed/maximum inscribed circle method	Yes / No / Explain		
89	Licensed software: (Conti...10)	2D and 3D free form surface measurement	Yes / No / Explain		
90	Licensed software: (Conti...11)	Having facility to import CAD, CATIA, CATIA5, DES, DXF/DWG, IGES, STEP models etc for comparison to measured point cloud, alignment of part w.r.t CAD model, merging of profiles of different data measured in different settings, extracting geometrical elements from the above models etc. Details to be specified by the party.	Yes / No / Explain		
91	Licensed software: (Conti...12)	Having facility to export to IGES, STEP, VDAFS, DES etc models after inspection and the details to be provided.	Yes / No / Explain		
92	Licensed software: (Conti...13)	off-line and online generation of inspection part program with/without CAD model with periodic auto saving and dry run facility	Yes / No / Explain		

93	Licensed software: (Conti...14)	actual measurements and graphical representations for form measurements shall be available on screen	Yes / No / Explain		
94	Licensed software: (Conti...15)	Automatic report generation with option for customization	Yes / No / Explain		
95	Licensed software: (Conti...16)	Software shall be user friendly with menu based system	Yes / No / Explain		
96	Licensed software: (Conti...17)	Software shall periodically save the measured data and shall be retrievable in the event of power interruption/ malfunction/ collision	Yes / No / Explain		
97	Licensed software: (Conti...18)	Other features if any to be specified by the party	Yes / No / Explain		
98	Licensed software: (Conti...19)	Details of 3rd party certification of software shall be provided (as per applicable standards)	Yes / No / Explain		
99	Computer system:	Desktop PC with latest processor, having multimedia capability, LCD/LED/TFT monitor, DVD- RW etc, compatible with the above licensed software shall also be provided along with suitable computer table	Yes / No / Explain		
100	Accessories:	VSSC shall provide only space, electrical sockets, raw compressed air at 10 bar. All other accessories like refrigerated air filter, compatible vibration isolators etc. for the proper working of the machine shall be supplied by the party.	Yes / No / Explain		
101	Standard styli:	Standard styli kit shall be provided along with the machine. Party shall quote the list of standard styli and accessories to be provided along with the machine.	Yes / No / Explain		

102	Exhaustive list of styli and accessories:	Party shall provide an exhaustive list of styli and accessories compatible with the quoted machine. Required quantity will be specified in the P.O. by VSSC	Yes / No / Explain		
103	Calibration artifacts:	Calibration sphere stand and test certificates for probe calibration/ qualification shall be provided as standard accessory. List of these calibration artifacts shall be quoted by the party. Party shall supply these artifacts with valid calibration certificate traceable to national or international standards at the time of supply and shall be responsible for calibration of these artifacts during warranty period. Party shall also quote for calibration of these supplied artifacts traceable to national or international standards.	Yes / No / Explain		
104	Probe changing rack:	Compatible automatic stylus/ probe changer rack with minimum three probe holders shall be quoted by the party	Yes / No / Explain		
105	Basic fixtures:	Basic fixtures for supporting the work pieces shall also be provided as standard accessories. List of these basic fixtures shall be quoted by the party.	Yes / No / Explain		
106	Active vibration isolation system:	Machine is to be installed in the 3rd floor of a building. Suitable active vibration isolation system shall also be provided. Details of the active vibration isolation system shall be quoted by the party	Yes / No / Explain		

107	Integrated refrigerated air filter system:	Supply and installation of an integrated refrigerated air filtration system along with CMM to filter moisture and oil and to convert the VSSC supplied raw compressed air at 10 bar to machine's requirements. The complete specifications of the air filter shall be quoted by the party. Shop floor/raw compressed air shall be supplied by VSSC and further filtration/air drying shall be carried out by the integrated refrigerated air filtration system supplied by the party. Compressor need not be quoted.	Yes / No / Explain		
108	Safety features:	Machine shall have built-in overload safety cut out device and instantaneous automatic stopping provision without damage to the machine or the work piece or the measured data in the event of power interruption or malfunction of the machine/collision.	Yes / No / Explain		
109	Safety features: (Conti...1)	Protection devices shall be incorporated for the entire electrical system, control circuits and power distribution system	Yes / No / Explain		
110	Operating conditions:		-		
111	Power Supply	Suitable for operation in 230V/1-ph/50Hz	Yes / No / Explain		
112	Room temperature	20°C ± 2°C	Yes / No / Explain		
113	Relative humidity	55 ± 15 percentage	Yes / No / Explain		
114	Supporting catalogues:	Supporting catalogues for all the technical details shall be provided	Yes / No / Explain		

115	Scope of supply:	Moving bridge CNC Co-ordinate measuring machine (CMM) complete in all aspects with all mandatory accessories (standard styli kit, basic fixtures, calibration artifacts) and essential software having capability for contact discrete point probing, contact scanning and part to various computer generated models comparison with suitable computer system	Yes / No / Explain		
116	Scope of supply: (Conti...1)	Motorized articulating probe head with capability of having various extensions, probes and styli for discrete point probing and contact scanning	Yes / No / Explain		
117	Scope of supply: (Conti...2)	Suitable vibration isolation / damping system for the machine	Yes / No / Explain		
118	Scope of supply: (Conti...3)	Compatible Probe changing rack	Yes / No / Explain		
119	Scope of supply: (Conti...4)	Integrated refrigerated air filtration system along with the machine	Yes / No / Explain		
120	Scope of supply: (Conti...5)	Desktop PC with licensed single software pre-installed for input and output. The supplied software shall be compatible with the Operating System (OS) of the supplied PC. During warranty period, if required, the OS shall be updated along with the updation of the software.	Yes / No / Explain		

121	Scope of supply: (Conti...6)	Pre-delivery acceptance testing as per ISO 10360-2:2009, 10360-4:2000 & 10360-5:2010 at party's site for performance demonstration, verification of compliance to acceptance criteria, report generation and submission of test results & acceptance status to VSSC.	Yes / No / Explain		
122	Scope of supply: (Conti...7)	Proper packaging, safe transportation, installation & commissioning at VSSC, TVM	Yes / No / Explain		
123	Scope of supply: (Conti...8)	Acceptance testing and calibration as per ISO 10360-2:2009, 10360-4:2000 & 10360-5:2010 for performance demonstration to the stated accuracies after installation at VSSC (Machine is to be installed in the 3rd floor of a building). Additionally one more calibration of the machine in the last quarter of the warranty period for maintaining accuracy with traceability to national/international standards at VSSC (total two calibrations)	Yes / No / Explain		
124	Scope of supply: (Conti...9)	Training of VSSC nominated technically qualified personnel on operation, application software, trouble shooting, day to day maintenance etc. at VSSC after installation of the machine.	Yes / No / Explain		
125	Scope of supply: (Conti...10)	Two hard copies each and softcopy of manuals in English for software and maintenance (mechanical & electronics)	Yes / No / Explain		

126	Scope of supply: (Conti...11)	Warranty for minimum two years from the date of final commissioning and acceptance at VSSC	Yes / No / Explain		
127	Scope of supply: (Conti...12)	Performance bank guarantee for 3% of order value valid for the warranty period	Yes / No / Explain		
128	Scope of supply: (Conti...13)	Non comprehensive AMC (spares required shall be arranged/supplied by VSSC) and calibration of the supplied machine for a period of five years after the expiry of warranty period (payment for the AMC shall be on pro-rata basis and shall be paid after satisfactory completion of each preventive maintenance/calibration/break down maintenance)	Yes / No / Explain		
129	Pre-delivery machine acceptance:	The party shall conduct performance test and accuracy demonstration of the machine as per ISO 10360-2:2009, 10360-4:2000 & 10360-5:2010 at party's site and shall send the test results to VSSC.	Yes / No / Explain		
130	Pre-delivery machine acceptance: (Conti...1)	VSSC reserves the right to witness the above tests at party's site and the party shall be willing to demonstrate and test the machine in presence of VSSC personnel.	Yes / No / Explain		
131	Pre-delivery machine acceptance: (Conti...2)	The party shall also verify the test results and provide declaration stating conformance to testing and accuracy demonstration as per ISO 10360-2:2009, 10360-4:2000 & 10360-5:2010	Yes / No / Explain		

132	Pre-delivery machine acceptance: (Conti...3)	The above test results will be scrutinized by VSSC and shall seek clarifications/suggest for modifications. Party shall ensure that the machine shall be properly preserved and free of any damages until dispatch.	Yes / No / Explain		
133	Pre-delivery machine acceptance: (Conti...4)	The party shall dispatch the machine to VSSC only after scrutiny & acceptance of the above test results by VSSC and receipt of clearance for dispatch from VSSC.	Yes / No / Explain		
134	Pre-delivery machine acceptance: (Conti...5)	The test matrix for the performance test and accuracy demonstration shall be quoted by the party.	Yes / No / Explain		
135	Machine acceptance criteria:	All the accuracies- as mentioned above are to be proven as per ISO 10360-2:2009, 10360-4:2000 & 10360-5:2010 at party's site as pre delivery machine acceptance and at VSSC after installation for machine acceptance.	Yes / No / Explain		
136	Machine acceptance criteria: (Conti...1)	Ensuring compliance to the acceptance criteria as per the above standards is the responsibility of supplier.	Yes / No / Explain		

137	Acceptance testing, commissioning and training:	The party shall carry out performance test, accuracy demonstration of the machine and calibration of the machine as per ISO 10360-2:2009, 10360-4:2000 & 10360-5:2010 at the time of installation. Additionally one more calibration shall be done at the last quarter of the warranty period. Party shall quote the reference standards for testing and acceptance criteria.	Yes / No / Explain		
138	Acceptance testing, commissioning and training (Conti...1)	Party shall physically demonstrate all software features available	Yes / No / Explain		
139	Acceptance testing, commissioning and training (Conti...2)	Party shall bring all necessary calibration standards, slip gauge blocks, fixtures etc for proving machine performance with valid traceability certificates.	Yes / No / Explain		
140	Acceptance testing, commissioning and training (Conti...3)	Extensive training (minimum 5 days) shall be provided by the party at VSSC after installation of the machine free of cost. The training shall cover application software and basic maintenance/ trouble shooting.	Yes / No / Explain		
141	Documentation requirements:	All the data and results of testing and calibration of the machine at VSSC shall be properly documented and provided to VSSC.	Yes / No / Explain		
142	Documentation requirements: (Conti...1)	Calibration certificates (traceable to national/international standard) of all the artifacts/ reference standards used for the same shall be provided to VSSC	Yes / No / Explain		

143	Documentation requirements: (Conti...2)	Two sets each of user manual and service manual (for both mechanical and electronic hardware) in English language shall also be provided as soft and hard copy	Yes / No / Explain		
144	Warranty conditions:	The machine shall have a warranty of minimum two years after installation and acceptance by VSSC for defect free operation with specified accuracies.	Yes / No / Explain		
145	Warranty conditions: (Conti...1)	Any defect observed during the warranty period shall have to be repaired/ replaced free of cost and all the software during the warranty period shall be supplied & installed on real time at VSSC free of cost. The supplied software shall be compatible with the Operating System (OS) of the supplied PC. During warranty period, if required, the OS shall be updated along with the updation of the software.	Yes / No / Explain		
146	Warranty conditions: (Conti...2)	Time required for service personnel to attend any fault after receipt of the information shall be quoted by the party	Yes / No / Explain		
147	Warranty conditions: (Conti...3)	During warranty period, one calibration of the machine shall be carried out at the time of installation and one more calibration shall be carried out at the last quarter of warranty period	Yes / No / Explain		
148	Warranty conditions: (Conti...4)	Performance bank guarantee of 3% of order value (valid till the expiry of the warranty period) shall be provided.	Yes / No / Explain		

149	Experience:	The party shall have previous experience of installing and commissioning of same model at any location in India and the accuracies proved as per ISO 10360.	Yes / No / Explain		
150	Experience: (Conti...1)	List of existing customers in India with address to whom similar machines were supplied shall be provided along with the year of supply.	Yes / No / Explain		
151	Spare parts:	Availability of all spare parts shall be ensured by the party at least for the next 10 years including parts becoming obsolete.	Yes / No / Explain		
152	Spare parts: (Conti...1)	Party shall declare that the parts/ software/ system supplied as part of CNC CMM are not obsolete. And if it becomes obsolete during warranty period, it has to be replaced free of cost.	Yes / No / Explain		
153	Spare parts: (Conti...2)	Exhaustive list of spares and their cost shall be provided along with the offer. Required quantity of spares will be specified in the P.O. by VSSC.	Yes / No / Explain		
154	Service facility:	Service facility and availability of experienced service personnel shall be ensured by the party at least for the next 10 years	Yes / No / Explain		
155	Installation and manpower requirement:	The machine shall be installed at VSSC, Thiruvananthapuram by the party.	Yes / No / Explain		
156	Installation and manpower requirement: (Conti...1)	Machine shall be properly packed, safely transported and shall be defect free at the time of installation	Yes / No / Explain		
157	Installation and manpower requirement: (Conti...2)	Required unskilled manpower will be arranged by VSSC.	Yes / No / Explain		

158	Other requirements for installation and commissioning :		-		
159	Space requirement:	Overall space requirement for installation and operation of the machine including control panels, computer etc shall be given along with the machine layout diagram, door size for installation, ceiling height, weight of the heaviest module to be handled during installation etc.	Yes / No / Explain		
160	Foundation requirement:	The machine is to be installed in 3rd floor of a building. Required compatible active vibration isolation system shall also be provided by the party. Details of the active vibration isolation system shall be quoted by the party.	Yes / No / Explain		
161	Electrical requirement:	Overall electrical power supply conditions like operating voltage, frequency, phase etc. along with any special requirements like constant voltage, special earthing or specification for ground to neutral voltage, interface etc shall be quoted.	Yes / No / Explain		

162	Compressed air requirement	Overall compressed air supply specifications like pressure, flow rate, cleanness/quality etc shall be quoted. Filtration, air drying etc. shall be carried out by the integrated refrigerated air filtration system supplied by the party to convert the VSSC supplied raw compressed air at 10 bar to machine's requirements.	Yes / No / Explain		
163	Environmental conditions:	Environmental conditions like temperature, temperature gradient, Relative Humidity (RH), etc. for the machine shall be specified	Yes / No / Explain		
164	Any other requirements:	Party shall quote for any other requirements for the proper installation and working of the machine.	Yes / No / Explain		
165	Annual Maintenance Contract (AMC) and onsite calibration after the warranty period:	The AMC and onsite calibration shall be as per the terms and conditions attached.	Yes / No / Explain		
166	Annual Maintenance Contract (AMC) and onsite calibration after the warranty period: (Conti...1)	The party shall quote for AMC and onsite calibration as per the above T&C. If required, VSSC shall choose the AMC along with procurement of machine and a separate P.O. for the same will be placed after expiry of warranty period.	Yes / No / Explain		

167	Annual Maintenance Contract (AMC) and onsite calibration after the warranty period: (Conti...2)	AMC shall consist of three services i.e., two types of maintenance services- ((1) Preventive maintenance & (2) Break down maintenance) and calibration of the CNC Co-ordinate measuring machine with motorized articulating head under contract.	Yes / No / Explain		
168	Annual Maintenance Contract (AMC) and onsite calibration after the warranty period: (Conti...3)	Yearly onsite calibration of the CNC Co-ordinate measuring machine under contract shall be carried out by manufacturer or by NABL accredited entity with traceability to national or international standards.	Yes / No / Explain		
169	Annual Maintenance Contract (AMC) and onsite calibration after the warranty period: (Conti...4)	Period of contract shall be for five years after the expiry of warranty period.	Yes / No / Explain		
170	Annual Maintenance Contract (AMC) and onsite calibration after the warranty period: (Conti...5)	Cost of spares shall not be included in the AMC. However party shall provide an exhaustive list of spares and their cost.	Yes / No / Explain		
171	Annual Maintenance Contract (AMC) and onsite calibration after the warranty period: (Conti...6)	The number of preventive maintenance/year shall be four.	Yes / No / Explain		

172	Annual Maintenance Contract (AMC) and onsite calibration after the warranty period: (Conti...7)	The breakdown maintenance shall include any number of visits per year which will be as and when required by VSSC. After completion of each break down maintenance, the party shall calibrate the rectified machine (which shall be decided by VSSC based on each case in consultation with the party).	Yes / No / Explain		
173	Annual Maintenance Contract (AMC) and onsite calibration after the warranty period: (Conti...8)	Payment for the AMC shall be on pro-rata basis and shall be paid after satisfactory completion of each preventive maintenance/calibration/break down maintenance visit	Yes / No / Explain		
174	Annual Maintenance Contract (AMC) and onsite calibration after the warranty period: (Conti...9)	Party shall quote for one preventive maintenance, one breakdown maintenance and one onsite calibration separately in the quotation.	Yes / No / Explain		
175	Annual Maintenance Contract (AMC) and onsite calibration after the warranty period: (Conti...10)	Party shall adhere to the terms and conditions of the AMC.	Yes / No / Explain		
176	Make & Origin	Make and origin of the machine shall be provided by the party	Yes / No / Explain		
177	Model no	Model no: of the machine shall be provided by the party	Yes / No / Explain		
178	Others	Performance bank guarantee for 3% of order value valid for the warranty period	Yes / No / Explain		

179	Evaluation of lowest offer	For evaluation of lowest offer (L1), the total cost of CNC Co-ordinate measuring machine along with accessories as mentioned above + total cost for AMC for five years beyond the warranty period shall be considered.	Yes / No / Explain		
180	Two part tender	This is a two part tender. Hence, the offer shall be in two parts-	Yes / No / Explain		
181	Two part tender (Conti...1)	(1) Technical bid with compliance statement, necessary supporting documentary evidences and a price bid with price masked as per the cost matrix attached &	Yes / No / Explain		
182	Two part tender (Conti...2)	(2) Sealed Price bid with cost break up to be given as per the attached cost matrix	Yes / No / Explain		

Supporting Documents required from Vendor

1. cost matrix (Price Bid Related)

2. The test matrix for the performance test and accuracy demonstration shall be quoted by the party.

3. The party shall conduct performance test and accuracy demonstration of the machine as per ISO 10360-2, 4 & 5 at party's site and shall send the test results to VSSC.

4. Two sets each of user manual and service manual (for both mechanical and electronic hardware) in English language shall also be provided in soft and hard copy

5. Calibration certificates (traceable to national/international standard) of all the artifacts/reference standards used for the same shall be provided to VSSC

6. All the data and results of testing and calibration of the machine at VSSC shall be properly documented and provided to VSSC.

5 additional documents can be uploaded by the vendor

C.2 Commercial Terms / Bid

Sl. No.	Description	Compliance	Vendor Terms
1	The machine shall be installed as per the specification and terms & conditions attached	Yes / No / Explain	
2	This tender is proposed as a DOMESTIC PUBLIC TENDER. This tender is restricted only to Class-I and Class-II Local Suppliers as defined under DPIIT Order dtd 04/06/2020- Preference to Make in India Order-2017 Revision. Non-Local Suppliers need not quote. Foreign OEMs/Agents quoting on behalf of Foreign OEMs are not permitted to quote. High Sea Sales Quotes not permitted.	Yes / No / Explain	
3	This is a TWO-PART tender i.e. Techno-Commercial Bid (Part-I) and Price Bid (Part-II) shall be submitted separately. All technical and commercial terms and conditions shall be furnished in the Techno-Commercial Bid while price shall be indicated only in the Price Bid. Uploading price details anywhere else other than the price-bid shall lead to unconditional rejection of the tender. Please make note of the same. Tenderers are advised NOT TO UPLOAD any documents revealing the price of the main equipment, accessories, spares or AMC in technical & Commercial bid. They are however, requested to upload UNPRICED BIDS (i.e. Price details masked) showing appropriate breakup of components of main equipment, individual accessories and spares as desired.	Yes / No / Explain	
4	The vendor has to compulsorily submit the compliance statement online otherwise their offer will not be considered for further evaluation. Before entering the compliance statement, vendors are advised to refer the detailed specification provided.	Yes / No / Explain	
5	The Technical Specification/ Drawing/ Product Catalogues/ Works Carried by vendor/ Make offered etc. as a PDF file without any financial details has to be uploaded online mode by the vendor.	Yes / No / Explain	

6	<p>Technical Bids will be opened at the scheduled due date & time. No further intimation will be sent in this regard. The schedule for price bid opening shown is only indicative. Price bids will only be opened in the case of parties who have been techno-commercially accepted, the details of which will be communicated at a later stage.</p>	Yes / No / Explain	
7	<p>Foreign vendors are not permitted to quote 1. Only Class -I and Class-II Local suppliers as per make in India policy are eligible to participate in the bid. 2. The percentage of local content should be specifically mentioned in the offer, without which will be summarily rejected 3. Preference will be given to Class-I Local Supplier and in their absence, class-II Local supplier will be considered.</p>	Yes / No / Explain	
8	<p>Purchase preference to eligible vendors are applicable as per extant notifications issued by the Government of India. The Class-I/Class-II Local suppliers, at the time of submitting their offer, shall also indicate percentage of local content and provide self certification that the item (s) offered meets the local content requirement for Class-I/Class-II Local Suppliers as the case may be. They shall also give details of location (s) at which the local value addition is made.</p>	Yes / No / Explain	
9	<p>In cases if the item(s) offered exceed Rs. 10 Crores, the Class-I/Class-II Local Suppliers shall provide a Certificate from the statutory auditor or cost auditor of the company (in case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content. False Declarations will be in breach of the Code of Integrity under Rule 175 (1) (i) (h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.</p>	Yes / No / Explain	

10	Taxes and other costs, if any. VSSC is eligible for concessional rate of tax under Sl.No.243B of Notification No.24/2018 Central Tax (Rate) dated 31.12.2018. & IGST in terms of Notf No.01/2017-IGST dt 28.06.2017 as amended by Notn No.07/2018- IGST dt 25.01.2018 and Notfn No.25/2018-IGST dt 31.12.2018.Applicable Rate is 5%. Necessary IGST/ CGST/ SGST concession certificate shall be issued by us. [Please Specify the rates with HSN Code].	Yes / No / Explain	
11	Delivery Terms [Normal delivery terms - FOR VSSC]	Yes / No / Explain	
12	Delivery Period for supply of item at the site [Please Specify the period, LD shall be applicable in case of delayed delivery].	Yes / No / Explain	
13	Delivery Period for Installation at the site [Please Specify the period required for installation , LD shall be applicable in case of delayed Installation].	Yes / No / Explain	
14	Payment for supply and Installation [90% payment within 30 days from the date of receipt and acceptance of item at our site. Remaining 10% on completion of installation and acceptance at our site].	Yes / No / Explain	
15	Payment for Non Comprehensive AMC [Payment shall be on pro-rata basis and shall be paid after satisfactory completion of each preventive maintenance/Calibration/Breakdown maintenance at our site].	Yes / No / Explain	
16	Liquidated Damages @ 0.5% per week subject to maximum of 10% of order value is applicable beyond the promised delivery schedule.	Yes / No / Explain	
17	Warranty [Minimum 2 years required.]	Yes / No / Explain	
18	Performance Bank Guarantee for 3% of order value valid 2 months beyond the Warranty Period to be provided.	Yes / No / Explain	

19	<p>Security Deposit: In case order value exceeds Rs. 5 lakhs Successful Tenderer shall submit Security Deposit equivalent to 3% of the order value valid for a period of 60 days beyond the date for completion of the Purchase Order. This security deposit is collected towards the performance of the Contract. The said Security Deposit shall be submitted either in the form of Bank Guarantee or Fixed Deposit receipts from Nationalised/Scheduled Banks. No exemption is applicable for MSE vendors from submission of Security Deposit. In case PSU/Autonomous bodies/Central Government organizations, Indemnity Bond shall be accepted. Wherever SD and PBG are involved, the same can be submitted in consolidated SD cum PBG, valid till completion of warranty obligations under the contract. Necessary formats will be issued to the successful tenderer along with Purchase order.</p>	Yes / No / Explain	
20	Country of Origin	Yes / No / Explain	
21	GeM Seller Unique ID	Yes / No / Explain	
22	Quote Validity: Minimum 180 days from the date of Tender opening.	Yes / No / Explain	
23	PO ordering address in full with Contact Persons Name, E-mail id, Phone No. [also attach your Quotation in PDF format].	Yes / No / Explain	
24	Confirm the percentage of local content in the item and attach documentary proof for the same.	Yes / No / Explain	
25	<p>As per the provisions of Office Memorandum No. F. No. 6/18/2019-PPD dtd. 23.07.2020 (i.e., Rule No. 144 (xi) of GFR) and its Amendments, issued by Department of Expenditure, Ministry of Finance. I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I certify that this bidder is not from such a country or, if from such a country, has been registered with the Competent Authority. I hereby certify that this bidder fulfills all requirements in this regard and is eligible to be considered.</p>	Yes / No / Explain	

26	If any of the bidders submit any forged or false documents along with the Tender, such tenders will be summarily rejected and such bidders will be blacklisted for all future tenders.	Yes / No / Explain	
27	Following Documents shall be provided by the vendor (a) Cost Matrix (b) The test matrix for performance test and accuracy demonstration shall be quoted by the party. (C) The Party shall conduct performance test and accuracy demonstration of the machine as per ISO 10360-2,4 and 5 at parties site and shall send the test report to VSSC . (d) Two set of service manual user manual (for both mechanical and electronic hardware in English language shall also be provided in soft and hard copy. (e) Calibration certificate (Traceable to national and International standard) of all the artifacts/reference standards use for the same shall be provided to VSSC. (f) All the data and results for testing and calibration of the machine at VSSC shall be properly documented and provided to VSSC.	Yes / No / Explain	
28	The Machine shall be installed as per the specification and terms and conditions attached	Yes / No / Explain	
29	Any other Terms	Yes / No / Explain	

C.3 Price Bid

Sl. No.	Item	Quantity	Unit Price	Currency	Total Price	Remark
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1	CNC CO-ORDINATE MEASURING MACHINE: Supply installation and training of CNC co-ordinate measuring machine as per the specification and terms and conditions attached.	1.00 Nos.		-		
2	CNC CO-ORDINATE MEASURING MACHINE: AMC of CNC co-ordinate measuring machine as per the specification and terms and conditions attached.	5.00 Years		-		

Common charges (Applicable for all items)

Freight charge	
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