

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

**Tender for Realization of Gaganyaan THCS Hydro-pneumatic
Reservoir Test System**

Bids to be submitted online

Tender No.: VSSC/PURCHASE UNIT II (AVN)/VS202200636401 dated 28-02-2023

A. Tender Details

Tender No : **VSSC/PURCHASE UNIT II (AVN)/VS202200636401**

Tender Date : **28-02-2023**

Tender Classification: **GOODS**

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

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

Realization of Gaganyaan THCS Hydro-pneumatic Reservoir Test System

Realization of Gaganyaan THCS Hydro-pneumatic Reservoir Test System

A.1 Tender Schedule

Bid Submission Start Date : **02-03-2023 15:30**

Bid Clarification Due Date : **08-03-2023 14:00**

Bid Submission Due Date : **31-03-2023 12:00**

Bid Opening Date : **31-03-2023 14:00**

Price Bid Opening Date : **12-04-2023 14:00**

B. Tender Attachments

NA

Instructions To Vendors

1. 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.
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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.
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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, as this ID is mandatory for award of contract.

2. Conditions for BIDDER FROM A COUNTRY WHICH SHARES LAND BORDER WITH INDIA

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 - Realization of Gaganyaan THCS Hydro-pneumatic Reservoir Test System

1. Pneumatic test console: Realization of Hydro-pneumatic Reservoir Test System. Scope of work, terms and conditions as per Annexure I. System configuration and component specifications as per Annexure II.

Item specifications for Pneumatic test console

Sl No	Specification	Value	Compliance	Offered Specification	Remark
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1	Scope of Work 1	<p>DESIGN AND REALIZATION OF TEST SYSTEM, SELECTION OF COMPONENTS AS PER SPECIFICATIONS, PROCUREMENT/FABRICATION OF COMPONENTS:-</p> <p>The vendor shall be responsible for the detailed design and realization of TWO Nos. of the test system including selection and procurement of components/consumables /plumbing/tubing/fittings (as per Annexure II), manufacture of fabricated items, process planning, inspection, assembly and integration operations. The circuit diagram for the test systems and overall specifications for the various components shall be provided by VSSC. The vendor shall generate a detailed preliminary design document (PDR) comprising of all design aspects, including the mechanical layout of the test system, final selection of components, design calculations for fabricated components (pressure vessels, support structures etc.). The PDR shall be submitted to VSSC for clearance. Realization shall commence only after obtaining approval for the PDR from VSSC.</p>	Yes / No / Explain		
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2	Scope of Work 2	<p>INSPECTION AND TRIAL ASSEMBLY:- The vendor shall perform 100% inspection for all the dimensions/specifications including weight of fabricated components, visual observations etc. after completion of fabrication. Dye Penetrant (DP) test shall be carried out on all weld joints by the vendor through a government approved agency. The vendor shall realize the necessary sub-assemblies and carryout a trial assembly at the vendors's site in the presence of VSSC personnel. Minor modifications required in the sub-assemblies (if any) shall be carried out during the trial assembly. A detailed report including the DP test results and the final inspected dimensions shall be generated by the manufacturer and submitted to VSSC for clearance. The tets systems shall be shipped to the site only after obtaining specific dispatch clearance from VSSC.</p>	Yes / No / Explain		
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3	Scope of Work 3	<p>TRANSPORTATION OF SYSTEM AND FINAL INTEGRATION AT VSSC:- After obtaining the requisite dispatch clearance, the vendor shall transport the test systems to fuelhydraulic laboratory, 70-acre area, VSSC. The vendor may transport the test systems as knockdown kits or sub-assemblies. Adequate provisions to avoid transit damage to the components/sub-assemblies shall be taken by the vendor. All necessary manpower, material handling equipment etc. required for transportation shall fall under the purview of the vendor. The vendor shall carryout the final integration of the test systems at VSSC. All equipment, consumables, manpower, and technical expertise necessary for assembly and integration of test system have to be arranged by the vendor.</p>	Yes / No / Explain		
4	Scope of Work 4	<p>ACCEPTANCE TESTING:- After assembly and integration of the systems at VSSC, the vendor shall carryout an acceptance test including leak checks and proof pressure tests on both systems, prior to handing over to VSSC.</p>	Yes / No / Explain		

5	Scope of Work 5	Minor changes in the design, if any, during the course of execution of the order may be undertaken without any additional cost.	Yes / No / Explain		
6	Vendor Qualification 1	The vendor shall provide a detailed the profile of their company	Yes / No / Explain		
7	Vendor Qualification 2	Previous experience in realisation of gaseous, vacuum systems of similar complexity. The party shall give references of works of similar nature and scale undertaken and completed successfully. The photographs and details of the realized systems to be submitted to VSSC. Any instance of disqualification / rejection evoked in the earlier works conducted at VSSC or other Centers of ISRO will be reasons for disqualification.	Yes / No / Explain		
8	Vendor Qualification 3	Conformance to applicable quality protocols.	Yes / No / Explain		
9	Vendor Qualification 4	VSSC reserves the right to verify the information provided by the vendor. The VSSC personnel shall have access to all relevant shops and departments for this purpose. In case the information provided by the vendor is found to be false/ incorrect, the offer shall be rejected.	Yes / No / Explain		

10	Design & Component Selection 1	<p>The vendor shall be responsible for the detailed design of the test systems including:</p> <p>(1) Selection of components as per the overall specifications supplied by VSSC in Annexure II.</p> <p>(2) Design of fluid and mounting interfaces for all components, including seals, gaskets or any other consumables.</p> <p>(3) Detailed mechanical design of liquid tank with level indicator.</p> <p>(4) Mechanical design of mounting structures and trolley.</p> <p>(5) Design and selection of fasteners for all interfaces.</p>	Yes / No / Explain		
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11	Design & Component Selection 2	<p>The following design requirements shall be adhered to by the manufacturer:</p> <p>(1) All materials, components used, including seals/gaskets/O-rings shall be compatible with the respective operating fluids. (for elastomers, NBR or EPDM may be used, but not fluoro-carbon).</p> <p>(2) Level Indicator shall have level markings with a least count of at least 1 mm for height.</p> <p>(3) All fluid control component requiring manual operation, including ball valves, pressure regulators, needle valves etc. shall be ergonomically positioned on a single panel for operation.</p> <p>(4) All pressure gauges shall be positioned and oriented such that dial is visible for the operator working on the operating panel.</p> <p>(5) All sensors, gauges requiring periodic calibration shall be amenable for removal and reassembly after calibration.</p> <p>(6) 12 mm tube stubs shall be provided at fluid interfaces with the test article.</p> <p>(7) Usage of flexible hoses shall be reduced to bare minimum.</p> <p>(8) Seamless stainless steel rigid plumbing lines conforming to ASTM standards should be used.</p> <p>(9) Stainless steel shall be used for</p>	Yes / No / Explain		
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construction of the test systems wherever possible.

(10) All components shall be rigidly mounted on the support structure/trolley with as little overhang as possible.

(11) The liquid tanks with level indicator shall be mounted vertically, with the level indicator at eye level, on a flat horizontal surface. The level indicator shall be ergonomically placed for observation and measurement.

(12) The support structure shall be designed with adequate factor of strength over the expected loads and shall show no signs of excessive deformation including sagging/drooping, in the service condition.

(13) Necessary access shall be provided for maintenance.

(14) Necessary safety provisions shall be incorporated into the test system, as required.

(15) Overall weight and dimension shall be kept as minimum as possible.

(16) All components, materials and consumables required for realization of the test systems have to be procured by the party from reputed sources with proper certification only.

12	Design & Component Selection 3	<p>The vendor shall generate a comprehensive Preliminary Design Report (PDR) addressing all the design aspects including the following:</p> <p>(1) Mechanical layout of the test system (with CAD models)</p> <p>(2) Finalized selection and sourcing of components</p> <p>(3) Design calculations for fabricated components (pressure vessels, support structures etc.).</p> <p>(4) Details of weld joints, if any, with corresponding process and materials.</p>	Yes / No / Explain		
13	Design & Component Selection 4	<p>The PDR shall be submitted to VSSC for clearance. Realization shall commence only after obtaining approval for the PDR from VSSC.</p>	Yes / No / Explain		
14	Realization, Inspection, Trial Assembly 1	<p>The vendor shall be responsible for the procurement of components, consumables (including operating liquids), plumbing, tubing, fittings, manufacture of fabricated items, process planning, inspection, assembly and integration operations for the realization of the test systems, as per the approved PDR.</p>	Yes / No / Explain		

15	Realization, Inspection, Trial Assembly 2	All material used for the realization of fabricated components shall be free from any corrosion and pitting. Material test certificate for all material used shall be provided to VSSC.	Yes / No / Explain		
16	Realization, Inspection, Trial Assembly 3	The manufacturer shall perform 100% inspection and report actual values for all the dimensions/specifications including weight of sub-assemblies, visual observations etc. after completion of fabrication.	Yes / No / Explain		
17	Realization, Inspection, Trial Assembly 4	Weld joints, if any, shall be realized by qualified personnel with suitable material selections. Suitable post weld heat treatment shall be carried out for stress relief. Weld spatters shall be removed by suitable grinding.	Yes / No / Explain		
18	Realization, Inspection, Trial Assembly 5	All the weld joints shall be DP tested by the party (Government approved) as per applicable standards. Documentation of the same shall be generated and attached with the inspection report submitted to VSSC for clearance.	Yes / No / Explain		
19	Realization, Inspection, Trial Assembly 6	Suitable corrosion protection shall be given to all exposed metal surfaces. All elements which are not of stainless steel construction shall be suitably painted with two coats of automotive paints or powder coated.	Yes / No / Explain		

20	Realization, Inspection, Trial Assembly 7	The vendor shall be responsible for realization, qualification and maintenance of all tools, tooling and gauges required for the manufacture at their own cost. All tools and gauges used for fabrication and inspection shall be identified and qualified before they are used. The vendor is responsible for planning, achieving and maintaining the quality of items covered under this contract/purchase order.	Yes / No / Explain		
21	Realization, Inspection, Trial Assembly 8	The vendor shall realize the necessary sub-assemblies and carryout a trial assembly at the vendors's site in the presence of VSSC personnel.	Yes / No / Explain		
22	Realization, Inspection, Trial Assembly 9	Any non-conformance observed during inspection, DP test or trial assembly shall be intimated to VSSC and suitable corrective plan shall be arrived at and implemented in consultation with VSSC. A detailed report including the DP test results and the final inspected dimensions shall be generated by the manufacturer and submitted to VSSC for clearance. The test systems shall be shipped to the site only after obtaining specific dispatch clearance from VSSC.	Yes / No / Explain		

23	Transportation, Final Integration and Acceptance Testing 1	The vendor shall be responsible for transportation of the test systems, to 70 Acres area, fueldraulics lab, VSSC and final integration of the system at VSSC.	Yes / No / Explain		
24	Transportation, Final Integration and Acceptance Testing 2	The vendor may transport the structure to VSSC as knocked down kits or subassemblies and assemble the same at VSSC site. Necessary precautions shall be taken by the vendor to avoid damage to the hardware during transit.	Yes / No / Explain		
25	Transportation, Final Integration and Acceptance Testing 3	The vendor shall arrange the necessary manpower, material handling equipment, and technical expertise for final integration. Minor rework, if required, shall be carried out at the time of integration and shall be in vendor's scope.	Yes / No / Explain		
26	Transportation, Final Integration and Acceptance Testing 4	After assembly and integration of the systems at VSSC, the vendor shall carryout an acceptance test comprising of the following checks: (1) Proof pressure testing at 5 bar (g). (2) Leak test using nitrogen gas at 2 bar (g) pressure. (3) Leak test with vacuum inside the test set-up (1 mbar (abs)).	Yes / No / Explain		

27	Transportation, Final Integration and Acceptance Testing 5	Any non-conformance observed during the tests shall be rectified and the test systems shall be handed over only after successful completion of the acceptance tests.	Yes / No / Explain		
28	Transportation, Final Integration and Acceptance Testing 6	All components shall be properly labelled and tagged as per the circuit diagram for identification. The fit, finish and appearance of the test system shall be of very good quality.	Yes / No / Explain		
29	Documentation	The vendor shall be responsible for the generation/submission of the following documents to VSSC for review and clearance at various stages of realization: (1) Preliminary Design Report. (2) Drawings of major assemblies and sub-assemblies (including 3D models) (3) Bill of materials (BOM) & Vendor literature for all components. (4) Calibration certificates for pressure gauges/transducers, temperature sensors and flow meters. (5) Inspection reports for fabricated components (6) DP test report for all weld joints.	Yes / No / Explain		
30	Delivery Schedule -1	The PDR for the test systems shall be submitted to VSSC within 30 days from the date of P.O placement.	Yes / No / Explain		

31	Delivery Schedule -2	Procurement/fabrication of components, inspection of fabricated components. NDT tests, realization of subassemblies shall be completed and intimation of readiness for trial assembly shall be given to VSSC, within 120 days from the date of clearance of PDR by VSSC.	Yes / No / Explain		
32	Delivery Schedule -3	The test systems shall be dispatched to VSSC within 30 days after obtaining dispatch clearance from VSSC.	Yes / No / Explain		
33	Delivery Schedule -4	All activities at VSSC including final integration, acceptance testing shall be completed and the test systems shall be handed over to VSSC within 45 days of receipt of test systems at VSSC.	Yes / No / Explain		
34	General Terms & Conditions - 1	All communication shall be made in English.	Yes / No / Explain		
35	General Terms & Conditions - 2	The proposals shall be submitted in two parts technical & commercial bid.	Yes / No / Explain		
36	General Terms & Conditions - 3	The detailed Bill of Materials (BOM) including the make and model of the of the components selected shall be provided with the offer.	Yes / No / Explain		
37	General Terms & Conditions - 4	Any technical clarification (if required) during the course of design/realization shall be obtained from VSSC.	Yes / No / Explain		

38	General Terms & Conditions - 5	The responsibility for hiring the necessary manpower, tools, transport, loading and unloading of the equipment etc. for the total work lies with the vendor.	Yes / No / Explain		
39	General Terms & Conditions - 6	Transport, canteen facilities etc. will not be provided by VSSC to the vendor or his personnel during integration at VSSC.	Yes / No / Explain		
40	General Terms & Conditions - 7	VSSC will not be responsible for any loss or damage to any of the equipment/parts /materials of the vendor.	Yes / No / Explain		
41	General Terms & Conditions - 8	VSSC will not be responsible for any injury to the vendor's personnel that may cause during the process of the work and no compensation shall be paid by VSSC in this regard. The vendor and his/her personnel shall adhere to the VSSC regulations.	Yes / No / Explain		
42	General Terms & Conditions - 9	No documents /material shall be taken out of the VSSC/Work site premises without prior permission from VSSC engineer(s)	Yes / No / Explain		
43	General Terms & Conditions - 10	The entry and exit of the vendor and his/her personnel is controlled by the CISF/VSSC.	Yes / No / Explain		
44	General Terms & Conditions - 11	The vendor shall clear all his equipment, fixtures, accessories etc. used for the work from the site immediately after completion of the work.	Yes / No / Explain		

45	General Terms & Conditions - 12	Essential minor modifications based on reviews shall be included without any additional cost.	Yes / No / Explain		
46	General Terms & Conditions - 13	Warranty shall be provided for a period of 1 year.	Yes / No / Explain		

Document : Annexure-II

Document : Annexure-I

Common Specifications (Applicable for all items)

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Declaration of Local Content.	Declaration from the party regarding Local content [Percentage of value added in India] shall be provided.	Yes / No / Explain		

Supporting Documents required from Vendor

- 1. Price Bid in PDF format (Price Bid Related)**
- 2. Applicable quality protocol**
- 3. Detailed BOM with Make & Model**
- 4. Details of Previous works of Similar Complexity**
- 5. Profile of Company**

5 additional documents can be uploaded by the vendor

C.2 Commercial Terms / Bid

Sl. No.	Description	Compliance	Vendor Terms
1	Taxes and other costs, if any. [Please Specify the rates with HSN Code]. Note: All Tax invoices issued by Suppliers/ Service Providers on or after July 01, 2017 shall invariably bear their GST registration number (GSTIN) and the applicable GST rates. In the absence of which, the invoices shall not be processed for payment.	Yes / No / Explain	
2	Warranty [Minimum One year required.]	Yes / No / Explain	
3	3% Performance Bank Guarantee valid two months beyond warranty period to be provided.	Yes / No / Explain	
4	Delivery Terms [Normal delivery terms - FOR Destination (for Indigenous cases)]	Yes / No / Explain	
5	Delivery Schedule [detailed as per Annexure-1, LD Clause applicable]	Yes / No / Explain	
6	Payment [Within 30 days after receipt and acceptance for indigenous cases].	Yes / No / Explain	
7	Quote Validity: Minimum 180 days [for Two Part Tender] from the date of Tender opening.	Yes / No / Explain	
8	Liquidated Damages @ 0.5% per week subject to maximum of 10% of order value is applicable beyond the promised delivery schedule.	Yes / No / Explain	
9	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. [Mandatory. Otherwise offer will not be considered for evaluation]. No exemption is applicable for MSE vendors from submission of Security Deposit.	Yes / No / Explain	

10	Model Certificate for Tenders 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 fulfil all requirements in this regard and is eligible to be considered.	Yes / No / Explain	
11	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.	Yes / No / Explain	
12	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. The bids shall be in INR only.	Yes / No / Explain	
13	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	

14	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.	Yes / No / Explain	
15	The vendor have 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	
16	The Technical Specification/ Drawing/ Product Catalogues/ Works Carried by vendor/ Make offered etc. as a single PDF file without any financial details has to be uploaded online mode by the vendor.	Yes / No / Explain	
17	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.	Yes / No / Explain	
18	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.	Yes / No / Explain	

19	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	
20	Confirm the percentage of Local content in the item and attach documentary proof for the same. The vendor shall provide declaration in writing regarding Local content [Percentage of Value addition in India]	Yes / No / Explain	
21	PO ordering address in full with Contact Persons Name, E-mail id, Phone No. [also attach your Quotation in PDF format without prices details].	Yes / No / Explain	
22	GeM Seller Unique ID	Yes / No / Explain	
23	Country of origin	Yes / No / Explain	
24	Any other terms.	Yes / No / Explain	

C.3 Price Bid

Sl. No.	Item	Quantity	Unit Price	Currency	Total Price	Remark
1	Pneumatic test console: Realization of Hydro-pneumatic Reservoir Test System. Scope of work, terms and conditions as per Annexure I. System configuration and component specifications as per Annexure II.	2.00 Nos.		-		

Common charges (Applicable for all items)

Freight charge	
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