

SPEC.NO. VALF/SVAB/Pneumatic operated vertical mast	SVAB /VALF	SECTION: TITLE
	REQUEST FOR PROPOSAL FOR SUPPLY OF PNEUMATIC OPERATED VERTICAL MAST	SHEET 1 of 2

ANNEXURE TO INDENT NO.: SHAR/VAST/2024001198

REQUEST FOR PROPOSAL (RFP).

FOR

SUPPLY OF PNEUMATIC OPERATED VERTICAL MAST

SPECIFICATIONS & PRICE SCHEDULE

OWNER : INDIAN SPACE RESEARCH ORGANISATION
ENTITY : VEHICLE ASSEMBLY AND LAUNCH FACILITIES
LOCATION : SDSC-SHAR, SRIHARIKOTA



**SECOND VEHICLE ASSEMBLY BUILDING
VEHICLE ASSEMBLY & LAUNCH FACILITIES
SATISH DHAWAN SPACE CENTRE
SRIHARIKOTA -524124.**

ISSUE
R0

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SPECIFICATIONS			
A	SVAB/ pneumatic operated vertical mast specification	R0	GENERAL SPECIFICATION
B	SVAB/ pneumatic operated vertical mast specification	R0	TECHNICAL SPECIFICATION
ANNEXURES			
C1	SVAB/ pneumatic operated vertical mast specification	R0	SCHEDULE OF PRICES
C2	SVAB/ pneumatic operated vertical mast specification	R0	PREQUALIFICATION CRITERIA
C3	SVAB/ pneumatic operated vertical mast specification	R0	SCHEDULE OF GENERAL PARTICULARS / VENDOR EVALUATION FORMAT
C4	SVAB/ pneumatic operated vertical mast specification	R0	CONFIRMATION OF ACCURACY
C5	SVAB/ pneumatic operated vertical mast specification	R0	SCHEDULE OF DEVIATIONS FROM SPECIFICATIONS
C6	SVAB/ pneumatic operated vertical mast specification	R0	SCHEDULE OF BIDDERS EXPERIENCE & DETAILS OF PRESENT SUPPLY BEING EXECUTED.

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SECTION -A

GENERAL TERMS AND CONDITIONS OF THE CONTRACT

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PROPOSAL DOCUMENT, CLARIFICATION AND ADDENDUM

Quotations are invited from the interested bidders for the enclosed scope of work in two-part bid. Part-1 technical & unpriced part of the work and Part-2 Priced commercial part.

Only experienced Bidders who are qualifying in bid-qualification criteria given in Section C2 only should quote.

The RFP document is organized in three sections as follows.

- Section –A General Specification, Terms and Conditions of the Contract
- Section –B Technical Specifications
- Section-C Annexures.

Title of the proposal: “Supply of Pneumatic Operated Vertical Mast”

A PROPOSAL DOCUMENT

- 1.1. Bidder shall sign & stamp each page of the tender document (RFP) as token of his acceptance and submit the same before order placement.
- 1.2. Proposal documents shall remain the property of SDSC SHAR and shall not be used for any another purpose without the consent of SDSC SHAR.
- 1.3. The proposal shall be completely filled in all respects and shall be tendered together with requisite information & Annexure. Any offer incomplete in any particulars is liable to be rejected.
- 1.4. The Proposal (Unpriced Techno-commercial bid) with a complete set of the required documents shall be up-loaded in **E-Procurement Portal (eproc.isro.gov.in)**.
- 1.5. The Proposals shall be submitted **E-Procurement Portal (eproc.isro.gov.in)** before the time limit for bid submission specified in the Letter Inviting Bid.
- 1.6. The Proposal will be opened on the date and on the time specified in the Letter Inviting Bid or as soon thereafter as convenient.
- 1.7. Bidders shall set their quotations in firm figures and without variations/additions in the terms of the Proposal documents.

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1.8. AMBIGUITY

Should there be any ambiguity or doubt as to the meaning of any of the tender clause/condition or if any further information is required, the matter shall be immediately brought to the notice of Sr.Head, Purchase & Stores of SDSC SHAR in writing.

B. PREPARATION OF BIDS

1.1 VALIDITY OF OFFER

Bid shall remain valid for acceptance for a minimum period of **120 days** from the due date of submission of the Bid. The Bidder shall not be entitled during the said period to revoke or revise his Bid or to vary the Bid except and to the extent required by SDSC SHAR in writing. Bid shall be revalidated for extended period as required by SDSC SHAR in writing. In such cases, unless otherwise specified, it is understood that validity is sought and provided without varying either the quoted price or any other terms & conditions of Bid finalized till that time.

1.2 APPLICABLE LANGUAGE/ MEASUREMENTS

The bid and all correspondence incidental to and concerning the bid shall be in the English Language. For supporting document and printing literature submitted in any other language, an accurate English Translation shall also be submitted. Responsibility for correctness in translation shall lie with the Bidder. All the measurements shall be given in metric system.

1.3 ARRANGEMENT OF BID

The Bid shall be neatly presented on white paper with consecutively numbered pages. It should not contain any terms and conditions which are not applicable to the Bid. The Bid and all details submitted by the Bidder shall be signed and stamped on each page as token of acceptance, by a person legally authorised to enter into agreement on behalf of the Bidder. (Corrections / alteration, if any, shall also be signed by the same person).

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1.4 SCHEDULE OF PRICES

The schedule of prices shall be read in conjunction with all the sections of proposal document. The price **must be filled online in E-Procurement (eproc.isro.gov.in) portal** in the same format of 'Schedule of Prices' in Section C1.

1.5 DOCUMENTS COMPRISING THE BID & SUBMISSION

Bids shall be arranged in the following order.

1.5.1 Part – I: Technical and Unpriced Commercial Part

Technical and unpriced commercial part shall comprise the attachments, specifying attachment number arranged in the order as follows:

- (a) Submission of bid letter.
- (b) Power of attorney in favour of authorised signatory of the bid / proposal documents.
- (c) All the annexure in **Section-C1 to C6** enclosed in proposal duly filled, signed and sealed.
- (d) Bid qualification criteria for supply of **Pneumatic Operated Vertical Mast**.
- (e) Unpriced copy of schedule of prices with all other commercial terms, taxes, duties and conditions duly filled (**Prices to be kept blank**), signed and stamped.
- (f) Firm establishment certificate.
- (g) Audited balance sheet including profit and loss account for last three financial years showing annual turnover (**FY 2023-2024, 2022-2023 and 2021-2022**).
- (h) Any other relevant document, bidder desires to submit.

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1.5.2 Part – II: Priced Commercial Bid

Priced commercial bid shall be filled on line in **E-Procurement Portal(eproc.isro.gov.in)** mode in the price bid format. Schedule of prices also to be filled in the online format and no separate document shall be attached. Deviations in terms and conditions, assumptions, conditions, discounts etc. shall be stipulated in format specified in the portal. SDSC SHAR will not take cognizance of any such statement and may at their discretion reject such bids.

C. BID SUBMISSION

Bids duly filled in by the Bidder should invariably be submitted as stipulated in the Letter inviting bid. Bids shall be submitted in the following manner.

- Part – I: Un priced Techno-Commercial Part of the Bid for the Work
- Part-2 Complete Techno-commercial part of the bid shall be filled online in the form of the e-tender. Any documents related technical literature, guarantee / warrantee certificates and any other relevant documents as per the tender shall be scanned in lower resolution format and uploaded. In case if the space for uploading is not sufficient, hard copy of the balance documents shall be submitted before due date.

The deviation statement and checklist shall be filled online, without which the bid will not be considered.

PART – II: PRICE PART OF THE BID FOR THE WORK

Price bid shall be filled in the on-line 'price bid' form of the e-tender only in **E-Procurement portal(eproc.isro.gov.in)**. The cost of spares and other prices shall be filled in the respective forms available on-line in the e-portal. Any other terms and conditions given in this part shall not be considered and if insisted upon by the Bidder, bids are liable for rejection.

- a) SDSC SHAR may open Part – I of the bids on the due date of opening subject to meeting the minimum evaluation criteria. Price Bids (Part-II) of technically and commercially acceptable offers shall be opened at a later date.
- b) SDSC SHAR reserves the right to reject any or all the Bids without assigning any reasons thereof.

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- c) **Any bids/offers with price details in Techno-Commercial Offer (Part –I) shall be rejected.**
- d) SDSC SHAR reserve rights to place order for either full quantities of all items or partial quantities and partial items based on the unit rates available.

D. Vendor Evaluation Format

SDSC SHAR seeks response to the given questionnaire for assimilating data which would be used for evaluating the capability of the supplier for executing the referred work. Hence, the supplier is requested to provide only genuine data and any discrepancy found at a later point of time may result in rejection of the supplier from purchase process. Furnishing of data cannot be construed as automatic qualification for participation in the tender. Questionnaire should be signed by a responsible and authorized person of the Company / Agency.

All vendors shall meet the pre-qualification criteria as per the **Section: C2**, and submit the documents supporting the pre-qualification criteria without which the offers will not be considered for evaluation.

Schedule of general particulars / vendor evaluation format shall be filled as per **Section: C3**. Schedule of Bidders experience and details of present works being executed are to be filled as **per Section: C6**.

Note: In order to consider as valid experience, all the experience has to be supported with the technical details, completion certificate and purchase order.

E. DETERMINATION OF RESPONSIVENESS

SDSC SHAR will scrutinize tenders to determine whether the tender is substantially responsive to the requirements of the tender documents. For the purpose of this clause, a substantially responsive tender is one which inter-alia conforms to all the terms and conditions of the entire Tender document without any deviations and reservations. The decision of SDSC SHAR shall be final in this regard.

G BID EVALUATION

- 1.1 During evaluation, SDSC SHAR may request Bidder for any clarification on the bid OR additional documents.
- 1.2 Department will open Technical and commercial bid on the due date of opening department reserves the right to reject any or all the bids without assigning any reasons thereof.

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<p>1.3 Techno-commercial discussion shall be arranged with Bidder, if needed. Bidder shall depute his authorised representatives for attending discussions. The representatives attending the discussions shall produce authorisation from his organisation to attend the discussion and sign minutes of meeting on behalf of his organisation if required. The authorised representative must be competent and empowered to settle/decide on all technical and commercial issues.</p> <p>1.4 Bidder must provide the point-by-point compliance to the technical specifications along with deviations as per "Schedule of deviations" attached in section C5. The tender will be rejected, if the deviations are not acceptable to the Department.</p> <p>1.5 Performance of Bidder on similar nature of works executed/ under execution shall be taken into consideration before selecting the Bidder for opening his price bid.</p> <p>1.6 The time schedule for completion is given in the Proposal document. Bidder is required to confirm the completion period unconditionally.</p> <p>1.7 If necessary, to arrive at evaluated prices, wherever applicable, loading on total quoted prices shall be done. Lowest offer is based on landed cost only along with taxes.</p> <p>1.8 SDSC SHAR reserves the right to accept a bid other than a lowest and to accept or reject any bid in full or part without assigning any reasons. Such decisions by SDSC SHAR shall bear no liability whatsoever consequent upon such decision.</p> <p>1.9 SDSC SHAR reserves the right to split the order or alter the quantities specified based on prices quoted for part work or unit rate quoted by BIDDER.</p> <p>1.10 The Bidder, whose bid is accepted by SDSC SHAR, shall be issued a Letter of Intent (LOI) /Purchase Order (PO) to proceed with the work. Bidder shall confirm acceptance by returning a signed copy of the LOI/PO.</p>		

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SECTION-A.1
GENERAL SPECIFICATION

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1.0 INTRODUCTION

SDSC SHAR invites tenders in sealed covers from reputed firms with proven ability to “**Supply of Pneumatic Operated Vertical Mast**” as per the specifications.

2.0 SCOPE OF WORK AND TECHNICAL SPECIFICATIONS

The detailed scope of work and technical specifications are given in **Sections B**

3.0 SUBMISSION OF TECHNICAL DOCUMENTS

Bidder shall prepare and submit to Department for approval of following documents and drawings:

- 3.1.1. Technical literatures & data sheets of equipment used by him.
- 3.1.2. General arrangement drawing of the proposed **Pneumatic Operated Vertical Mast**.
- 3.1.3. Detailed Quality Assurance Plan.
- 3.1.4. No activity shall be executed unless Department's approval is obtained. The above documents shall be submitted in a format approved by Department.

4.0 RECORD OF DRAWINGS AND O&M MANUALS

- 4.1. Bidder shall submit **3** hard copies & **1** soft copies of all the approved drawings incorporating any modification / changes made during the execution of CONTRACT. All these drawings shall be marked as 'As Built'.
- 4.2. Submission of the drawings and manuals shall be a precondition for releasing of any final payment due to Bidder.

4.3. DELIVERY

- 4.3.1. Items shall be delivered to SDSC SHAR, Sriharikota at present, which is about 90 km from Chennai.
- 4.3.2. The Bidder shall be responsible for transporting all the equipment from their office to Sriharikota,
- 4.3.3. All the equipment shall be properly packed to avoid any damage during transportation / handling / storage and any damage found has to be replaced free of cost.

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5.0 INSTALLATION

5.1. GENERAL

5.1.1. Final Installation of **Aero Lift / Pneumatic Operated Vertical Mast** is in the scope of the bidder.

5.2. SAFETY

Bidder shall follow the safety regulations / codes and shall take necessary measures at his own cost.

5.3. WORK RULES AT ISRO

The work shall be carried out on Department working days only or permission to be obtained from the contract manager for late hours / holidays.

5.4. SITE CLEARANCE

Upon completion of work, Bidder shall remove all his equipment and material from the site within one month or time mutually agreed. Supplier at all times shall keep site in clean condition and remove all unwanted material at regular intervals. In case Bidder fails to remove all their equipment and material within the mutually agreed time, it is deemed that Department will arrange to remove the same at Supplier's cost.

5.5. ACCOMMODATION

5.5.1. Accommodation will not be provided by Department to Contractors.

5.5.2. Bidder shall make their own arrangement for accommodation, transportation & canteen facility for all his staff, technicians, labour & workers.

5.6. MEDICAL FACILITIES

No medical facilities will be provided by Department. Bidder shall make their own arrangement at their own expenses for medical facilities for site personnel.

5.7. WORK PROGRAMME

Bidder shall prepare a detailed programme schedule for review / approval by

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Department. Bidder as per exigencies of work shall revise and update programme periodically.

6.0 TAXES AND DUTIES

- 6.1. Applicable GST shall be clearly specified along respective HSN code.
- 6.2. It is the responsibility of the bidder to issue the Tax Invoice strictly as per the format prescribed under the relevant applicable GST law (CGST Act/SGST Act/UTGST Act/IGST Act). Bidder to indicate the proper GSTN Registration/ HSN code in their tax invoices.
- 6.3. GST details are given below:

GSTIN : 37AAAGS1366J1Z1

LEGAL NAME : SATISH DHAWAN SPACE CENTRE SHAR

VALIDITY FROM : 29/08/2017

TYPE OF REGISTRATION : REGULAR

7.0 STATUTORY VARIATION

- 7.1. Statutory variation for CGST/SGST/UGST/IGST is applicable, provided the actual completion of services does not occur beyond the period stipulated in the order/contract or any extension (without levy of penalty). For variation after the agreed completion periods, the service provider alone shall bear the impact for the upwards revisions. For downward revisions, the Department shall be given the benefit of reduction in CGST/SGST/UGST/IGST.

8.0 RISK COVERAGE

The Bidder shall arrange comprehensive risk coverage at his own cost covering the value of equipment including transportation to the site from manufacturer's works, storage at site, erection, testing and commissioning at site. The period of such coverage shall be up to contractual completion period or any extension granted by Department thereof.

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9.0 INCOME TAX

Income tax at the prevailing rate as applicable and if applicable from time to time shall be deducted from the bidders bills as per Income Tax Act, 1961 and the rules there-under or any re-enactment or modifications thereof and a TDS certificate shall be issued.

TDS on GST at the prevailing rate as applicable from time to time shall be deducted from the bidders' bills.

10.0 SECURITY DEPOSIT

10.1. The bidder, whose tender is accepted, will be required to furnish by way of Performance security for the due fulfilment of the contract such a sum as will amount to 3% of the contract price of the work awarded.

10.2. The Performance security (bearing no interest) shall be held by the Department as security till satisfactory completion, testing and handing over of all the system and for the due performance of all bidders' obligations under the contract as per delivery period or extension granted thereof by the Department.

10.3. The bidder within 10 days of Purchase Order or signing of Contract, deposit with the Accounts officer, Satish Dhawan Space Centre SHAR, Sriharikota as detailed above by any one or more of the following modes namely

- i. By a crossed demand draft in favour of Accounts officer, Satish Dhawan Space Centre SHAR drawn on SBI and payable at Sriharikota.
- ii. By a bank guarantee in the prescribed format (required format will be provided after award of contract). The bank guarantee shall be from a nationalized bank for & shall be valid for 30 days beyond completion period.

10.4. In case of breach of contract, the Performance Security shall stand forfeited in addition to other relief available to the Department under this contract.

11.0 PACKING AND FORWARDING

11.1. The Bidder shall arrange to have all the material suitably packed as per the standards and as specified in the contract. Unless otherwise provided for in the

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contract, all containers (including packing cases, boxes, tins, drums, and wrappings) used by the Supplier shall be non-returnable.

- 11.2. All packing and transport charges, transit handling costs, transit risk coverage and transport fees of agents employed at the place of delivery or elsewhere, shall be deemed included in the price to be paid to the bidder.

12.0 ARBITRATION

In the event of any question, dispute of difference arising under these conditions or any conditions contained in the Purchase Order or in connection with this contract, (except as to any matters the decision of which is specially provided for by these conditions) the same shall be referred to the sole arbitration of the head of the Purchase Office or some other person appointed by him, it will be no objection that the arbitrator is a Government Servant that he had to deal with matter to which the contract relates or that in the course of his duties as Government Servant he had expressed views on all or any of the matters in disputes or difference. The award of the arbitrator shall be final and binding on the parties of this contract.

It is Term of this contract:

- a. If the arbitrator be the head of the purchase office.
 - i. In the event of his being transferred or vacating his office by resignation or otherwise, it shall be lawful for his successor-in office either to proceed with the reference himself, or to appoint another person as arbitrator, or.
 - ii. In the event of his being unwilling or unable to act for any reason, it shall be lawful for the Head of the Purchase Office to appoint another person as arbitrator: or

- b. If the arbitrator be a person appointed by the Head of the Purchase Office in the event of his dying, neglecting or refusing to act, or resigning or being unable to act, for any reason, it shall be lawful for the Head of the Purchase Office either to proceed with the reference himself or to appoint another person as arbitrator in place of the outgoing arbitrator.

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Subject as aforesaid, the Indian Arbitration and Conciliation Act, 1996 and the rules there under and any statutory modifications thereof for the time being in force shall be deemed to apply to the arbitration proceedings under this Clause. The arbitrator shall have the power to the extent with the consent of the Purchaser and the Contractor the time making and publishing the award. The venue of arbitration shall be place as the purchaser in his absolute discretion may determine. Work under the Contract shall, if reasonably possible, continue during arbitration Proceedings.

- c. In case order is concluded on the public Sector Undertakings, the following Arbitration Clause will be applicable.

In the event of any dispute or differences relating to the interpretation and application of the provisions of contracts, such dispute or difference shall be referred by either party to the Arbitration of one of the Arbitrator in the Department of Public Enterprises to be nominated by the Secretary to the Government of India in-charge of the Bureau of Public Enterprises. The Indian Arbitration and Conciliation Act, 1996 shall not be applicable to the Arbitration under this clause. The award of the arbitrator shall be binding upon the parties to the dispute provided, however, any party aggrieved by such award may make a further reference for setting aside or revision of the award to the Law Secretary, Department of Legal Affairs, Ministry of Law & Justice, Government of India. Upon such Additional Secretary when so authorised by the Law Secretary whose decision shall bind the parties finally and conclusively. The parties to the dispute will share equally the cost of arbitration as intimated by the arbitrator.

13.0 APPLICABLE LAW AND JURISDICTION

The laws of India shall govern this purchase order for the time being in force. The Courts of Andhra Pradesh, India only shall have jurisdiction to be with and decide any legal matters or disputes what so ever arising out of the purchase order.

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14.0 FORCE MAJEURE

Should a part or whole work covered under this purchase order be delayed due to reasons of Force Majeure which shall include legal lockouts, strikes, riots, civil commotion, fire accident, quarantines, epidemic, natural calamities and embargoes the completion period for work, equipment referred to in this agreement shall be extended by a period not in excess of the duration of such Force Majeure. The occurrence shall be notified within reasonable time.

15.0 WARRANTY

The bidder shall provide **12 months** warranty for the entire system for a defect liability, after final official handing over at his cost. During this period, bidder has to provide and adhere to the following:

- 15.1. He has to attend quarterly based preventive maintenance visits and breakdown maintenance calls. All the defective components have to be replaced or rectified on one-to-one basis.
- 15.2. Break down maintenance should be responded within 48 Hours' time and shall be completed within 48 Hours after respond.
- 15.3. Department will not provide any transport/accommodation.
- 15.4. In case vendor failed to attend and repair the system within 7 days from the date of reporting the problem, Department will reserve right to forfeiting the BG apart from withheld of any payment payable to the vendor.
- 15.5. Where defects in items are remedied under warranty, the period for which the warranty operates shall be extended by such period, as the items were not available to Department. Where defect items are replaced by new ones, the full warranty period stipulated in the purchase order shall apply to such replacement items as from the date of their delivery.

16.0 SCHEDULE OF PRICE

- 16.1. CONTRACT price shall include all costs of "for supply of Aero Lift / Pneumatic Operated Vertical Mast as per approved drawing and supply to *SDSC SHAR*", packing, forwarding, transport to site, unloading and commissioning of equipment including any other cost for proper and complete execution of the CONTRACT

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16.2. CONTRACT prices shall also include all travelling expenses, living expenses, salaries, overtime, benefit and any other compensation for engineers, supervisors, skilled, semiskilled workmen, watch and ward staff, labours and other staff employed by the Supplier, cost of tools and tackles required for erection and other consumable material required, and all taxes, duties, and levies as applicable on the date of submission of bid.

16.3. Price shall be firm & fixed.

16.4. Bidder shall quote the prices similar to price bid format enclosed as **Section – C1**

16.5. The rate quoted shall be on FOR SDSC SHAR, Sriharikota basis.

17.0 DISCOUNTS

Bidder shall not indicate any discount separately and quoted price should be after deducting the discount.

18.0 MODE OF PAYMENT

All the payments due to bidder will be made in Indian currency by crossed "Account Payee" cheque sent to the registered office of the Bidder. Bidders can submit the banker details and payments can also be made through ECS.

19.0 TERMS OF PAYMENTS

100% within 30 days after commissioning with 100% GST and against submission of Performance bank guarantee of equal amount valid till warranty period plus 2 months claim period.

20.0 PERFORMANCE BANK GUARANTEE

20.1. The Bidder shall guarantee for the performance of the equipment by providing bank guarantee in favour of the Department for an amount equivalent to **3 % (Three percent) of the total value** of this contract valid till the warranty period of the contract plus 2 months claim period.

20.2. The performance bank guarantee shall be submitted by the Bidder with in **fifteen days from the date of accepting the equipment** as per the CONTRACT. Format for the performance bank guarantee shall be obtained from the Department.

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21.0 DELIVERY SCHEDULE

21.1. Bidder shall supply within **five** months from the date of P.O

22.0 LIQUIDATED DAMAGES

In the event of the Supplier failing to complete the work within the delivery period specified in the contract agreement or in extension agreed thereto, Department shall reserve the right to recover from the Supplier as liquidated damages, a sum of **0.5** percentage per week or part thereof of the undelivered portion of the total contract price of equipment or work. However, the total liquidated damages shall not exceed **10.0** percentage of the total Contract price. The LD reckoning date shall be T+6 months for supply of the contract price.

23.0 ACCEPTANCE AND REJECTION:

ACCEPTANCE AND REJECTION:

On completion of the work or part of the work as specified in the contract, the representative of the Department referred to, shall check as soon as possible, but in any event within one month of notification of readiness for acceptance that the work performed complies with the contract requirements as regards quantity and quality.

In the event of rejection of any of the articles, whereby the Supplier feels himself aggrieved, he may within eight days of the receipt of notification of rejection and before such articles have been removed from the place of inspection, give the Department notice of objection. Such objection shall be considered by a Board of Appeals of the Department. The Department shall, without prejudice to the arbitration clause in the contract, take a decision upon presentation of the Board's findings.

On completion of tests, the members of the Inspection Organisation of the Department or Inspection agency appointed by Department shall prepare a report, which must be countersigned by the Supplier.

24.0 SUSPENSION:

24.1. Department may notify the Bidder to suspend performance of any or all of his obligations under the Contract. Such notice will specify the reasons for suspension and the effective date of suspension. Supplier there upon shall

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	REQUEST FOR PROPOSAL GENERAL SPECIFICATION FOR SUPPLY OF PNEUMATIC OPERATED VERTICAL MAST	SHEET: 18 OF 20

suspend the performance of such obligations until ordered in writing to resume performance of Contract by Department.

24.2. If Bidders performance or his obligations remain suspended or the rate of progress is reduced, then, the time of completion will be suitably extended and all costs incurred by Supplier as a result of suspension or reduction in rate of progress will be paid to Supplier provided that the suspension or reduction in the rate of progress is not by reasons of Supplier's default or breach of Contract.

25.0 CANCELLATION

25.1. GENERAL RULE

The Department shall have the right at any time to cancel a contract either wholly or in part by giving written notice by registered mail. From the time of receipt of the written notice, the Bidder shall undertake to observe the instructions of the Department as to the winding up of the contract both on his own part and on the part of his sub-suppliers.

25.2. WITHOUT FAULT OF BIDDER

In the case of cancellation of a contract by the Department without any fault of the Bidder, the Bidder shall on receipt of Department's instructions forthwith take the necessary steps to implement them. The period to be allowed to implement them shall be fixed by the Department after conclusion with the Bidder and, in general, shall not exceed three months.

Subject to the Bidder confirming, Department shall take over from the Bidder at a fair and reasonable price all finished parts not yet delivered to the Department, all unused and undamaged material, bought-out components and articles in course of manufacture in the possession of the supplier and property obtained by or supplied to the Supplier for the performance of the contract, except such material, bought-out components and articles in course of manufacture as the supplier shall, with the agreement of the Department, elect to retain.

25.3. WITH FAULT OF BIDDER:

The Department reserves the right, after full consideration of all relevant circumstances, including the observations of the Bidder, to cancel a contract in any of the following circumstances.

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25.3.1. In the event of the Bidder's failure to meet

- (i) The Technical requirements of the Bidder.
- (ii) The Progress and/or delivery requirements.

25.3.2. If the Bidder has not observed the provisions of the contract concerning the disclosure and use of information provided by the Department.

25.3.3. If the Bidder fails to comply with the provisions of the contract concerning the equipment, supplies and technical documents made available by the Department.

25.3.4. If the Bidder transfers his contract without the Department's authorization or concludes sub-contracts against the Department's explicit directives.

25.3.5. In the event that Bidder unjustifiably repudiates the Contract or fails to ship or dispatch all or part of the goods ordered for reasons other than those attributed to the Department's actions or as provided in the Force Majeure clause, the Department may, by giving an appropriate notice in writing to the Bidder, fix a Date of Essence by which the Bidder must complete the dispatch in full. If the Bidder fails to do so, the Department, in addition to his right to recover Liquidated Damages in terms of the Contract, shall also have the right to cancel this Contract and make substitute purchases from other sources. If the goods are in a partial state of fabrication, Department may have the fabrication completed by other means, in which event Supplier shall be liable to Department for the additional expenses incurred thereby, but shall not have any claim on savings, if any, in such cases.

In the event of such cancellation, the Department shall unless otherwise specified in the contract, only pays.

- In the case of a fixed-cost contract for the supply of equipment or material. The contractual value of items delivered and accepted under the contract before receipt of notification of cancellation, or to be accepted under the special conditions of cancellation.
- In the other cases.

A fair and reasonable price in respect of such work as has been carried out prior to the receipt by the Supplier of notification of cancellation.

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26.0 FRAUDULENT PRACTICES, BRIBERY AND CORRUPTION OF GOVERNMENT SERVANTS

The Bidder represents and undertakes that he has not given, offered or promised to give, directly or indirectly any amount, gift, consideration, reward, commission, fees, brokerage or inducement to any person in service of the department or otherwise in procuring the contracts or forbearing to do or for having done or forborne to do any act in relation to the obtaining or execution of the contract or any other contract with the Government for obtaining a contract or showing or forbearing to show favour or disfavour to any person in relation to the contract or any other contract with the government. Any breach of the aforesaid undertaking by the contract or any one employed by him or acting on his behalf or for his benefit (whether with or without the knowledge of the contractor) or the commissioning of any offence by contractor or any one employed by him or acting on his behalf, as defined in chapter IX of the Indian Penal code, 1860 or the prevention of corruption Act. 1947 or any other Act enacted for the prevention of corruption shall, without prejudice to any other legal action, entitle the Department to cancel the contract either wholly or in part, and all or any other contracts with Contractor and recover from the Contractor such amount or the monetary value thereof and the amount of any loss arising from such cancellation without any entitlement or compensation to the Contractor. The Department will also have the right to recover any such amount from any contracts concluded earlier between the contractor and the Government of India. The contractor will also be liable to be debarred from entering into any contract with the Government of India for a minimum period of five years. A decision of the Department to the effect that a breach of the undertaking had been committed shall be final and binding on the Contractor.

SPEC.NO. VALF/SVAB/Pneumatic operated vertical mast	SVAB /VALF	SECTION: B
	TECHNICAL SPECIFICATION FOR SUPPLY OF PNEUMATIC OPERATED VERTICAL MAST	SHEET: 1 OF 6

SECTION -B

TECHNICAL SPECIFICATION

SPEC.NO. VALF/SVAB/Pneumatic operated vertical mast	SVAB /VALF TECHNICAL SPECIFICATION FOR SUPPLY OF PNEUMATIC OPERATED VERTICAL MAST	SECTION: B SHEET: 2 OF 6
<p>SCOPE</p> <p>The scope of the Bidder includes supply of Pneumatic Operated Vertical Mast Lift with minimum platform height of 8.4m and having 136 kg load capacity.</p> <p>1. QUANTITY</p> <ul style="list-style-type: none"> • 2 numbers of Pneumatic Operated Vertical Mast Lift of minimum platform height of 8.4m with 136 KG capacity. <p>2. BACK GROUND INFORMATION / FUNCTIONAL REQUIREMENT</p> <p>2.1 Pneumatic operated Vertical mast is planned to be positioned and operated in solid explosive motors environment as well as for working inside conical shaped hardware for accessing confined spaces at an elevation of about 8.4m from floor level.</p> <p>2.2 Due to hazardous nature of working environment the proposed equipment shall be operated by using pneumatic compressed air as input source.</p> <p>2.3 The equipment shouldn't contain any electrical component / equipment which is incompatible with explosive environment.</p> <p>2.4 The Pneumatic Operated Vertical Mast Lift shall be provided with extendable/ deployable outriggers for stability during extended operation of lift without any additional counter weight.</p> <p>2.5 The manufacturer shall specify the maximum allowable floor tilt for fully extended lift at its rated capacity and there should be provision in lift to monitor the equipment tilt level using bubble / spirit level.</p> <p>3. EQUIPMENT AND SERVICES TO BE PROVIDED BY TENDERER</p> <p>For supply of aero lift / pneumatic operated vertical mast as per approved drawing and supply to SDSC SHAR, the scope of Bidder shall include but not limited to the following:</p> <p>3.1 Complete understanding of requirement of Aero lift / pneumatic operated vertical mast.</p> <p>3.2 Bidder shall visit VALF, SDSC SHAR facilities to physically verify the existing systems for complete understanding before tendering.</p> <p>3.3 Submission of general arrangement drawings and getting approval.</p> <p>3.4 Manufacturing and supply of Aero lift/ Pneumatic vertical mast</p> <p>3.5 Testing of aero lift / pneumatic vertical platform at factory premises for operation.</p> <p>3.6 Installation of Aero lift / pneumatic vertical platform at SDSC SHAR.</p>		

SPEC.NO. VALF/SVAB/Pneumatic operated vertical mast	SVAB /VALF TECHNICAL SPECIFICATION FOR SUPPLY OF PNEUMATIC OPERATED VERTICAL MAST	SECTION: B SHEET: 3 OF 6
<p>4. SCOPE OF PURCHASER</p> <p>4.1 Approving all drawings submitted by party.</p> <p>4.2 Unloading of Aero lift at SDSC SHAR.</p> <p>4.3 Providing pneumatic supply to the aero lift for commissioning of equipment.</p> <p>5. SPECIFICATION OF AERO LIFT/ PNEUMATIC OPERATED VERTICAL MAST.</p> <p>5.1 Platform height at max elevated condition :8.4m (minimum)</p> <p>5.2 Platform height at retracted condition : 750mm (0.75m) lesser or equal.</p> <p>5.3 Capacity : 136 kg (minimum)</p> <p>5.4 Stowed height : lesser than 2m.</p> <p>5.5 Platform dimensions : 0.65m X 0.65m (minimum) to 0.8m X 0.8m (maximum)</p> <p>5.6 Overall dimensions of equipment : 1.6m X 1.4m to 1.8m X 1.6m</p> <p>5.7 Lifting speed : 0.1m/sec (min) to 0.25m/sec (max)</p> <p>5.8 Weight of equipment shall be lesser than 400 kg</p> <p>5.9 Mode of operation : Pneumatic operation only.</p> <p>5.10 Operating pressure : 8 bar (maximum).</p> <p>5.11 It shall have a tilt back frame or it shall have additional wheels at the back end of the base for tilting the equipment to move in height limited spaces.</p> <p>5.12 Shall be provided with outriggers for stability</p> <p>5.13 It shall have a separate control button for up and down movements at operator basket (normal operation) as well as at floor level (contingency down operation).</p> <p>5.14 It shall have hook points for lifting and transportation purpose.</p> <p>5.15 Noise level shall be less than 75 db when operated with compressed air for lifting or lowering.</p> <p>5.16 Level indicator shall be available on the bottom frame to check the leveling of the platform.</p> <p>5.17 Forklift points shall be available for pick and carry the platform.</p> <p>5.18 Polyurethane castors wheels of minimum 100mm diameter shall be provided to the base for easy mobility of the equipment.</p>		

SPEC.NO. VALF/SVAB/Pneumatic operated vertical mast	SVAB /VALF	SECTION: B
	TECHNICAL SPECIFICATION FOR SUPPLY OF PNEUMATIC OPERATED VERTICAL MAST	SHEET: 4 OF 6

- 5.19 Load test certificate shall be provided for the Safe Working Load.
- 5.20 Even at elevated condition, the platform shall be stable.
- 5.21 Shall be provided with emergency lowering valve.
- 5.22 Any failure in the pneumatic air supply during operation shall not lead to lowering of platform and shall stay in position in elevated condition also. Hence suitable non-return valve is to be provided in the circuit.
- 5.23 pressure relief valve / filter cum regulator shall be provided in the circuit.
- 5.24 Hoses shall be rated to minimum of 15 bar pressure with suitable end fittings.
- 5.25 No entangling of internal hoses during lowering / raising.
- 5.26 All the structural elements are to be protected suitable against corrosion like painting or power coating etc.

6. EXISTING AVAILABLE AERO LIFT MODELS AT SDSC SHAR



SPEC.NO. VALF/SVAB/Pneumatic operated vertical mast	SVAB /VALF	SECTION: B
	TECHNICAL SPECIFICATION FOR SUPPLY OF PNEUMATIC OPERATED VERTICAL MAST	SHEET: 5 OF 6

Single mast type Aero lift in raised and stowed condition (reference purpose only)



Four mast type Aero lift in raised and stowed condition (for reference purpose only)

7. TESTING AT VENDORS SITE:

- 7.1 Aerolift shall be physically verified for its overall dimensions.
- 7.2 Aerolift shall be verified for functionality with outriggers in deployed condition and verification of equipment mobility with caster wheels with its locking provisions.
- 7.3 Aerolift shall be tested at Vendor site before despatch for its SWL of 136 kg at rated pressure.
- 7.4 136kg shall be load on to the platform, platform shall be raised to maximum height and held for minimum of 15 minutes. Any reduction in height of platform shall be

SPEC.NO. VALF/SVAB/Pneumatic operated vertical mast	SVAB /VALF	SECTION: B
	TECHNICAL SPECIFICATION FOR SUPPLY OF PNEUMATIC OPERATED VERTICAL MAST	SHEET: 6 OF 6
<p>measured and drop in height shall be lesser than 10mm. / drop in pressure shouldn't be within +/-0.3 bar.</p> <p>7.5 Aerolift shall be overload tested for 1.25 times the rated capacity (i.e 170 kg) of equipment to ensure the sufficient safety margins in design at vendor site and equipment shall be verified for its functionality without measuring the height drop.</p> <p>8. PACKING &TRANSPORTATION OF AERO LIFT / PNEUMATIC OPERATE VERTICAL MAST.</p> <p>8.1 Packing of Aero lift shall be carried out only after pre-delivery inspection and department clearance.</p> <p>8.2 Packing and transportation of Aerolift is in the scope of tenderer only. Party shall ensure no damages during transportation.</p> <p>9. TESTING AND COMMISSIONING AT SDSC SHAR:</p> <p>9.1 Aerolift shall be tested at SDSC SHAR for its SWL of 136 kg at rated pressure.</p> <p>9.2 136 kg shall be load on to the platform, platform shall be raised to maximum height and held for minimum of 15 minutes. Any reduction in height of platform shall be measured and it shall be lesser than 10mm.</p>		

SPEC.NO. VALF/SVAB/Aerolift / Pneumatic vertical mast	SVAB/VALF	SECTION: C1
	SCHEDULE OF PRICES SUPPLY OF AERO LIFT / PNEUMATIC VERTICAL MAST	SHEET: 1 OF 2

SCHEDULE OF PRICES & GENERAL PARTICULARS

1. Bidders shall not alter the contents of this schedule of prices. If the bidder wants any additions / alterations, these shall be brought out separately in the format as given in this schedule of prices.
2. Equipment and material to be supplied shall be in accordance with section A, B & C of this specification.
3. The quoted price shall be price in Indian Rupees for supply of Actuator and seal kits which shall include manufacture, inspection and testing at manufacturer's works, packing, forwarding, transportation from place of manufacture to site, unloading / receipt at site, testing at SDSC SHAR, inclusive of all taxes and duties as applicable which shall be separately indicated in the price bid.
4. Bidders shall quote in full scope of the tender. Bidders shall note that partial offer will lead to rejection of bid. Hence Bidders are requested to quote for complete scope.
5. SDSC SHAR reserves right to place order in full or part of the scope.

SPEC.NO. VALF/SVAB/Aerolift / Pneumatic vertical mast	SVAB/VALF	SECTION: C1
	SCHEDULE OF PRICES SUPPLY OF AERO LIFT / PNEUMATIC VERTICAL MAST	SHEET: 2 OF 2

(A) SCHEDULE OF UNIT PRICE

Sl.no	Item	Qty.	Cost in Rs.
1	Supply of Aerolift/ pneumatic operated vertical mast of minimum platform 8.4m height with 136. kg SWL per specification enclosed with this tender but excluding taxes and duties.	2 nos.	
2	GST on total price (price mentioned in column 1) @_____applicable on above items.		
	Total Cost: (1+2)		

SIGNATURE :

NAME :

DESIGNATION:

SEAL OF THE COMPANY

DATE

ISSUE
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SPEC.NO. VALF/SVAB/Aerolift / Pneumatic vertical mast	SVAB/VALF	SECTION: C2
	BID QUALIFICATION CRITERIA FOR SUPPLY OF AERO LIFT / PNEUMATIC VERTICAL MAST	SHEET : 1 OF 1

BID QUALIFICATION CRITERIA FOR SUPPLY OF AERO LIFT

Bidders who are qualifying / meeting following Technical and financial criteria are eligible to participate in the bid for supply of Aero lift. Bidder shall furnish all the information mentioned in the criteria with documentary proof and submit along with quotation. Bids of the parties which are not meeting the following criteria will not be considered for evaluation and will be rejected without seeking any further clarifications.

A. Technical Qualification Requirements:

The bidder shall meet the following technical qualifying requirements and shall submit relevant certificates to establish his credentials.

1. The Bidder shall have supplied pneumatic operated vertical mast / Aero lift of maximum platform height 8.4m with minimum SWL of 136 kg.
2. The bidder shall submit work completion certificate for above works.

C. Bid Selection Procedure and Process of Pre-Qualification

1. Short listing based on documents submitted, satisfying the all-eligibility criteria given above by the firm or individual along with their Bid / application. (Non-submission of any document as given in above list within stipulated time leads to rejection of Bid).
2. Subsequently Bidder's competency, their technical achievements and financial status will be evaluated suitable for this project. Feedbacks from Bidder's clients will be verified.
3. Visit to sites by technical team (ISRO) where Bidder has established above mentioned works.
4. If required, visit will be made to their factory/ firm by technical team (ISRO) for accessing the capability of manufacturer.
5. Scrutiny of all technical specification and supply conditions mentioned in techno-commercial bid.
6. Bids with partial offer (i.e. without complete scope) will not be considered for evaluation.

SPEC.NO. VALF/SVAB/Aerolift / Pneumatic vertical mast	SVAB/VALF	SECTION: C3
	SCHEDULE FOR GENERAL PARTICULARS SUPPLY OF AERO LIFT / PNEUMATIC VERTICAL MAST	SHEET: 1 OF 3

SCHEDULE FOR GENERAL PARTICULARS / VENDOR EVALUATION FORMAT

SR. NO.	DESCRIPTION	
1.	Name of Company	
2.	Address of Company	
3.	Type of Company (Proprietary/Pvt.Ltd/Public Ltd/Joint Venure/Consortium)	
4.	Registration number	
5.	Year of inception of the company	
6.	Registered address	
7.	Name & address of the office of the Chief Executive of the company	
8.	Name & Designation of the officer of the Bidder to whom all correspondence shall be made for expeditious technical/ commercial co-ordination. Telephone number Fax number E-mail address	
9.	Locations of the Branches of Company (if any)	
10.	Annual turn-over of the company for the last three years	
11.	IT returns for the last 3 years	
12.	Major customers (Enclose copies of the Purchase Orders)	
13.	Any customers feedback on the services which is in writing (Pl. enclose copies)	
14.	Quality certification of the company	
15.	PAN Card Copy	
16.	The Profit & Loss Account details for the last 3 years which is duly audited and submitted as part of the Annual Report	

SPEC.NO. VALF/SVAB/Aerolift / Pneumatic vertical mast	SVAB/VALF	SECTION: C3
SCHEDULE FOR GENERAL PARTICULARS SUPPLY OF AERO LIFT / PNEUMATIC VERTICAL MAST		SHEET: 2 OF 3
17.	Orders executed during last three years, > 120kNm actuator and > 1crores, references are is to be mentioned. (Separate sheet can be attached).	
18.	Shop floor area covered	
19.	No. of employees (Supplier shall mention contract personnel separately) Engineers Supervisors Technicians Quality control engineers Administrative Staff.	
20.	Handling facility available: Over head / Gantry Crane details (Capacity, span lift). Mobile Cranes.	
21.	Load testing facility Available: Maximum weight available. No. of weights Total test load available.	
22.	Casting facilities	
23.	Welding / fabrication workshop (Type / capacity / quantity of machines shall be provided) MMAW machines GMAW machines Gas cutting machines Plasma cutting machines Welding Fixtures	
24.	Welding professionals: No. of Welders (MMAW), Qualification details, No. of Welders (GMAW), Qualification details, No. of Welders (TIG), Qualification details, Welders Qualified by:	
25.	Details of welding Inspection Equipment & Welding inspector available with supplier (LPT, UT, MPT, X-ray, etc)	
26.	Forming facilities available (with brief specification of each machine) Shearing Machine Cutting Machine Cutting Machine Bending Machine	
27.	Machining Facilities available (with brief specification of each machine) Turning lathe (Conventional /CNC) Milling Machine (Conventional / CNC) Gear Cutting / Hobbing Machines Drilling Machines (conventional / CNC) Cylindrical Grinding Machine (Conventional / CNC) Any other machines.	

SPEC.NO. VALF/SVAB/Aerolift / Pneumatic vertical mast	SVAB/VALF	SECTION: C3
	SCHEDULE FOR GENERAL PARTICULARS SUPPLY OF AERO LIFT / PNEUMATIC VERTICAL MAST	SHEET: 3 OF 3

28.	Details of inspection facilities / Instruments available (Brief description & specifications shall be provided)	
29.	If third party Inspection Services are taken for fabricating similar works give details.	
30.	Design Software's available Drafting & modeling software packages FEM software Other software's Design Engineers (with qualification & experience)	
31.	Bid validity period (Min. 4 months from date of bid opening)	
32.	<u>COMPLETION SCHEDULE</u>	
33.	Period required for supply of equipment at site (from date of LOI)	___ months

SIGNATURE : _____

NAME : _____

DESIGNATION: _____

SEAL OF THE COMPANY DATE : _____

SPEC.NO. VALF/SVAB/Aerolift / Pneumatic vertical mast	SVAB/VALF	SECTION: C4
	CONFIRMATION OF ACHIEVING ACCURACY SUPPLY OF AERO LIFT / PNEUMATIC VERTICAL MAST	SHEET: 1 OF 1

CONFIRMATION OF ACHIEVING ACCURACY

The BIDDER shall furnish performance guarantees as listed below based on the data specified in section B:

1. Supply of Pneumatic Operated Aero Lift / Pneumatic Operated Vertical Mast of maximum platform 8.4 m height with 136 kg SWL.

SIGNATURE :

NAME :

DESIGNATION:

SEAL OF THE COMPANY DATE :

SPEC.NO. VALF/SVAB/Aerolift / Pneumatic vertical mast	SVAB/VALF		SECTION: C5
	SCHEDULE OF DEVIATIONS FROM SPECIFICATIONS SUPPLY OF AERO LIFT / PNEUMATIC VERTICAL MAST		SHEET : 1 OF 1

EXCEPTIONS AND DEVIATIONS

In line with Proposal Document, Bidder may stipulate Exceptions and deviations to the Proposed conditions if considered unavoidable.

Slno	Reference in Specification		Dept. Specification	Offered Specification	Deviation
	Page no	Clause no			

NOTE :

Only deviations are to be written in the above form.

Any deviations taken by the Bidder to the stipulations of the Proposal document shall be brought out strictly as per this format and enclosed along with the bid.

Any deviations not brought out in this Proforma and written elsewhere in the Proposal document shall not be recognized and the same is treated as null and void.

Any wilful attempt by the Bidders to camouflage the deviations by giving them in the covering letter or in any other documents that are enclosed may render the Bid itself non-responsive.

SIGNATURE : _____

NAME : _____

DESIGNATION: _____

SEAL OF THE COMPANY DATE : _____

SPEC no: VALF/SVAB/Aerolift / Pneumatic vertical mast	SVAB/VALF	SECTION: C6
	SUPPLY OF AERO LIFT / PNEUMATIC VERTICAL MAST	SHEET: 1 OF 2

SCHEDULE OF BIDDERS EXPERIENCE

The bidder shall furnish here under a list of Pneumatic Operated Vertical Mast works executed by him to whom a reference may be made by the PURCHASER in case the PURCHASER considers such a reference necessary.

SL. NO.	Name & address of Client / Name & address of project or plant (incl. tel.no., fax no., e-mail and name & designation of person who can be contacted.	Purchase Order / Contact no. and Date.	Brief details of equipment / system covered	Scope of services	Contract price (Rs)	Scheduled date of completion	Actual date of completion	Reasons for delay in completion, if applicable.	REMARKS

SIGNATURE: :
NAME :
DESIGNATION:
COMPANY :
DATE :

COMPANY SEAL

SPEC no: VALF/SVAB/Aerolift / Pneumatic vertical mast	SVAB/VALF	SECTION: C6
	SUPPLY OF AERO LIFT / PNEUMATIC VERTICAL MAST	SHEET: 2 OF 2

SCHEDULE OF BIDDERS PRESENT WORK

The bidder shall furnish here under a list of S Pneumatic Operated Vertical Mast being executed to whom a reference may be made by the PURCHASER in case the PURCHASER considers such a reference necessary.

SL. NO.	Name & address of Client / Name & address of project or plant (incl. tel.no., fax no., e-mail and name & designation of person who can be contacted.	Purchase Order / Contact no. and Date.	Brief details of equipment / system covered	Scope of services	Contract price (Rs)	Scheduled date of completion	Expected date of completion	REMARKS

SIGNATURE: :
NAME :
DESIGNATION:
COMPANY :
DATE :

Company Seal