



VEDANTA PG GIRLS COLLEGE

(A UNIT OF VEDANTA SHIKSHA EVAM SHODH SANSTHAN, REENGUS Reg. No. 24/Sikar/1995-96)
Reengus {Sikar}-332404

Limited Tender for Purchase of Glove Box under DST Project

Enquiry No.: VPGGC/03/2024-25

Date: 20-12-2024

To

Important Dates

Event	Date	Time
Last Date of submission of quotation	12-January 2026	4:00 PM
Technical bid Opening date	13 January 2026	2:00 PM
Price (financial) bid Opening	To be Informed to technically successful bidder by mail and phone.	

Dear Sir,

We intend to purchase the commodities specified in this document and invite quotations in accordance with the terms and conditions detailed in the bid document. If you are interested, kindly send your offer with prices and complete terms within the time mentioned.

Please send your quotation to:

PRINCIPAL
VEDANTA PG GIRLS COLLEGE REENGUS,
SIKAR – 332404, RAJASTHAN

Yours sincerely,

Principal
Vedanta PG Girls College, Reengus

Enclosures

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BID DOCUMENT
Instruction to Bidder

1. Please go through the enclosed “bid document” carefully for other bidding instructions.
2. **IMPORTANT NOTE:** Being a Two-Part Tender (techno-commercial and price bid), fax quotations will not be accepted. Please ensure your offers are received on or before tender due date and time.
 - No request for extension of the due tender date will be considered.
 - In the event any date indicated above is declared as holiday, the next working day at Institute shall be considered as the due date for receiving & opening of tenders.
 - The bids shall be opened on date and time as mentioned above. The bidders may send their authorized representatives to attend the bid opening, if they so desire.
 - Bids received after the deadline of receipt indicated above, shall not be taken in to consideration.
3. The bid should remain valid for a period of **15 days** from the date of opening. In case your offer has a different validity period that should be clearly mentioned in the quotation. Validity period may also be extended without change in bid prices, if required on mutually agreed basis only.
4. **The bids may be sent through Speed post/Registered Post and Other Courier Services.**
5. Clarification of bidding documents: If a prospective bidder requires any clarification in regard to the bidding documents, they may mail to principal.vpggc@vedantafoundation.org.
6. Amendment to Biding documents
 - Corrigendum, if issued any for the tender, shall form part of the Tender Document. Corrigendum will be posted on Vedanta PG Girls College website (www.vpggc.ac.in). Bidders/Tenderers are requested to visit college website regularly and note the corrigendum/amendments to the tender without fail and submit the offer accordingly. Vedanta college will not be responsible for ignorance of corrigendum.
 - At any time prior to the deadline for submission of bids, the Institute may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder/Tenderer, modify the bidding documents by amendment. The same would also be hosted on the website of the Institute and all prospective bidders/tenderer are expected to surf the website before submitting their bids to take cognizance of the amendments. Bidder/Tenderer who has submitted bids before publishing the amendment may revise their bid incorporating the amendments before the last date of tender.
 - In order to allow prospective Bidder/Tenderer's reasonable time in which to take the amendment into account in preparing their bids, the Institute, at its discretion, may extend the deadline for the submission of bids and host the changes on the website of the Institute.

7. **VAT/GST:** The Institute is not authorized to give C or D form. GST or VAT should be charged according to applicable rates.
8. **Entry Tax:** The State of Rajasthan may charge entry tax on all goods entering the State. Please include it in your quotation as a separate item.
9. **Bid Security (BS)/(Earnest Money, EMD)**

- I. The Bidder/Tenderer shall furnish, as part of its bid, a bid security (BS) of ***3 % of gross bid value*** has to be submitted as Bid Security (Earnest money Deposit, EMD). **Gross bid value means final price inclusive of all taxes, F.O.R. basis, all quantities**
- II. In the case of foreign bidders/tenderers, the BS shall be submitted either by the principal or by the Indian agent and in the case of indigenous bidders/tenderers; the BS shall be submitted by the manufacturer or their specifically authorized dealer/Bidder/Tenderer.
- III. The bid security shall be in Indian Rupees. The bid security shall be in one of the following forms at the Bidder/Tenderers' option:
 - a. A Banker's cheque or demand draft in favour of the Vedanta PG Girls College Reengus.
 - b. FDR in favour of the Vedanta PG Girls College Reengus.
- IV. The bid security should be submitted in its original form. Copies shall not be accepted.
- V. Any bid without EMD or bid not secured in accordance with above will be rejected by the Institute as non- responsive.
- VI. The bid security of unsuccessful Bidder/Tenderer will be discharged /returned as promptly as possible but not later than 30 days after the expiration of the period of bid validity or placement of order whichever is later.
- VII. The successful Bidder/Tenderer's bid security will be discharged upon the Bidder/Tenderer furnishing the performance security.

VIII. The bid security may be forfeited:

If a Bidder/Tenderer withdraws or amends or impairs or derogates its bid during the period of bid validity specified by the Bidder/Tenderer on the Bid Form; or

10. Sealing and Marking of Bids:

In a two-bid system All Bidders/Tenderers are requested to follow carefully the following instructions before preparing their offer.

Part I: Technical & Commercial Bid Part - (a)

Technical

- i. This part should contain detailed specifications of the items quoted by you along with technical literature and leaflets.
- ii. A compliance statement showing the compliance of the item quoted by you with that of item tendered by us should be prepared and enclosed to this.
- iii. Any other information called for in the tender related technical and commercial specifications can also come in this part.

iv. Prices should NOT be indicated in this cover.

Part - (b) Commercial terms: (WITHOUT PRICE)

- i. The commercial terms applicable for the items quoted by you should be indicated in this part.
- ii. If any compliance statement is called for the commercial terms/contractual terms and conditions, the same is to be attached in this part.
- iii. ***Prices should NOT be indicated in this part. However, a copy of the price bid (without prices) must be enclosed in this part to enable to understand whether all the items required to be quoted by you have been quoted in the price bid.***
- iv. The Commercial terms such as delivery terms, delivery period, payment terms, Warranty, validity of the offer, installation & commissioning, duties and taxes etc., shall come into this.
- v. The required EMD should be enclosed.
- vi. The Tenderer/ bidder need to submit the following certificates along with the Tender Documents to confirm their eligibility in this part:
 - Proof of establishment of Firms/shop/business/ manufacturing unit etc. and Dealership certificate from the principals etc.
 - Proof of registration with any other central government organization (if any)
 - Photocopies of purchase orders received from any central govt. organization to the firm (if any).
 - The Sales Tax/Commercial Tax/Service tax certificate should be enclosed
 - The bidder should enclosed proof of turnover by way of Audited Balance Sheet/Auditor's certificate, if required.
 - The bidder should Photocopy of PAN card issued un the name of the bidder's firm.

Note:

- Technical Specifications and terms & conditions as above should be very clearly reflected item-wise with reference to the items called for in the tender.
- Please note that the PRICE SHOULD NOT BE indicated in this part.
- Technical and Commercial part as described above shall be prepared and put it in a sealed cover.

Part II: Price Bid

The prices applicable for the items, item-wise in response to the tender shall come into this part in the prescribed format only. ***Bid will be rejected if rates are not quoted in the prescribed format.***

- i. Tenderer shall indicate very clearly item-wise prices with reference to their technical offer.
- ii. Price Bid prepared as above shall be enveloped and marked as follows:
The Technical & Commercial envelope (Part I) and Price cover (Part II) prepared as above along with 'Tender fee' which should be inserted in another envelope and marked as tender fee:

All envelop should be addressed to Principal Vedanta PG Girls College and top of all envelop should be super scribed with (Tender No/Department and due date of opening.). Part I: TECHNICAL BID

with EMD & COMMERCIAL BID/Part II: PRICE BID should also be mentioned on respective envelope.

11. The bidders should quote their offer/rates in clear terms without ambiguity.
12. The rates should be quoted both in figures and words and legibly written without any over-writings. In case of any correction, the same must be attested by the bidder with full signature. However, no over-writing is permissible. Manufacturer's price-list, where applicable, should be submitted along with the bid.
13. In case of any discrepancy between the rates in figures and that in words, the rate in words will be accepted as correct.
14. Each bidder shall submit only one bid. A bidder, who submits more than one bid, shall be disqualified and considered non-responsive.
15. The bidder has to sign in full at all pages of the bidding document.

16. Bid Prices

- (i) The Bidder/Tenderer shall indicate **unit prices in the prescribed format only.**
- (ii) Prices indicated on the price-schedule form shall be entered separately in the following manner:
 - (a) *For Goods being offered from India/ abroad in INR*
 - i. The price of the goods quoted should be FOR Vedanta PG Girls College Reengus inclusive of all taxes (Excise duty, VAT/GST, etc), charges for inland transportation, insurance and other local services required for delivering the goods at the desired destination as specified in the price schedule form, installation, commissioning, training charges etc, if any. (**Annexure V**)
 - (b) *For Goods being offered from abroad in currency other than INR*
 - i. The price of the goods, quoted on FCA (named place delivery abroad) or FOB (named port of shipment), as specified in the price schedule form. The price should be FOR Vedanta PG Girls College Reengus inclusive of all taxes, charges for insurance and transportation of the goods, agency commission, installation, commissioning, training charges etc if any. (**Annexure VI**)
 - ii. The terms FOB, FCA, CIF, CIP etc. shall be governed by the rules prescribed in the current edition of the Incoterms published by the International Chambers of Commerce, Paris.
 - iii. Prices quoted by the Bidder/Tenderer shall be fixed during the Bidder/Tenderer's performance of the Contract and not subject to variation on any account.

17. Conditional discount, if any, offered by the bidder shall not be considered at the time of evaluation.
18. Responsiveness of Bids
 - (i) Prior to the detailed evaluation, the Institute will determine the substantial responsiveness of each bid to the bidding documents. For purposes of this clause, a substantive responsive bid is one, which conforms to all terms and condition of the bidding documents without material deviations,

reservations or omissions. A material deviation, reservation or omission is one that:

- (a) affects in any substantial way the scope, quality, or performance of the Goods and Related Services specified in the Contract; or
- (b) limits in any substantial way, inconsistent with the Bidding Documents, the Institute's rights or the Bidder/Tenderer's obligations under the Contract; or
- (c) if rectified, would unfairly affect the competitive position of other bidders/tenderers presenting substantially responsive bids.

(ii) The Institutes' determination of a bid's responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence.

(iii) If a bid is not substantially responsive, it will be rejected by the Institute and will not subsequently be made responsive by the Bidder/Tenderer by correction of the material deviation, reservation or omission.

19. Evaluation and comparison of bids

- (i) The Purchaser shall evaluate each bid that has been determined, up to this stage of the evaluation, to be substantially responsive.
- (ii) To evaluate a Bid, the Purchaser shall only use all the factors, methodologies and criteria defined below. No other criteria or methodology shall be permitted.
- (iii) The bids shall be evaluated on the following basis which shall be arrived as under:

For goods being offered from India.

Goods price will be calculated FOR Vedanta PG Girls College Reengus. Lowest bid (L1) will be deciding by the price of the goods quoted should be FOR Vedanta PG Girls College Reengus inclusive of all taxes (Excise duty, VAT/GST, etc), charges for inland transportation, installation, commissioning, training charges, insurance and other local services required if any for delivering the goods at the desired destination as specified in the price schedule Price Bid format

For goods being offered from Abroad

(i) In case of goods being offered from abroad, Lowest bid (L1) will be decided based on total cost at Vedanta PG Girls College Reengus, that include basic price of goods, freight and Insurance up to Indian Airport/port (CIF/CIP value up to Indian airport/port), custom duty and other taxes as applicable etc., Inland transportation and insurance up to Vedanta PG Girls College Reengus, packaging, forwarding, agent commission for custom clearance and installation, commissioning and training charges if any.

(ii) **Conversion to Single Currency:** To facilitate evaluation and comparison, Bids quoted in foreign currency will be converted into Indian Rupees at the selling exchange rate established by Reserve Bank of India on its website, on the date of price bid opening.

(iii) In case charges for packing, forwarding, transportation inside India, custom clearance charges or other incidental charges are quoted extra in addition to the quoted rates, the amount thereof must be specified. Packing, forwarding, freight, entry tax etc., when quotes separately are

reimbursable at actuals after production of original receipts/invoices. If external agencies are employed, their receipts must be enclosed with the invoice.

(iv) If vendor wishes, he/they may alternatively, quote price of imported items in Indian rupees. In this case item may be treated as offered from India. Payment will be released accordingly.

20. Clearance and delivery

On arrival of shipment/consignment, the supplier is required to arrange custom clearance and transportation of the consignment up to Vedanta PG Girls College Reengus premises. The Tenderer/ bidder will do all types of clearance work and **formalities to deliver/provide the equipment at the site of installation. The expenses incurred will be reimbursed on actual basis not exceeding the quoted amount.** Institute will provide all types of documentary support including Customs Duty exemption certificate. Please note that the State of Rajasthan may charge entry tax on all goods entering the State. This may be included in your quotation as a separate item. Entry Tax will be reimbursed on production of proof of payment. **Principals will themselves have to procure any requisite permission from the Govt. of country of origin of equipment.**

21. Agency Commission/other charges

Agency commission, if any, should be clearly mentioned by the Bidder/tenderer and will be paid in Indian Currency. Please note that actual reimbursement will not exceed the quoted amount in any circumstances.

22. The Institute reserves right to conduct pre-dispatch inspection of goods and the vendor must facilitate it at Vedanta PG Girls College Reengus cost for pre-dispatch inspection.

23. **Warranty Period:** The warranty period should be minimum 1 year with spares or as mentioned in technical specifications (whichever is higher) from the date of installation with satisfactory performance as per specifications. For standard items which carry warranty of more than one-year, standard warranty shall be applicable.

24. **Terms of Payment:** The method and conditions of payment to be made to the Supplier under this Contract shall be as follows:

(i) **Payment for Goods and Services offered from India:**

Payment for Goods and Services supplied from within India shall normally be made in Indian Rupees, as follows: 100% payment will be made in account payee cheque or Draft/ online Transfer using RTGS to the Supplier normally within thirty (30) days after the successful installation and commissioning of equipment's subject to submission of performance security, if any.

(ii) **Payment for Goods and services offered from abroad:**

Payment of foreign currency portion shall normally be made in the currency of contract in the following manner:

a) **On Shipment:** Ninety (90) percent of the Contract Price of the Goods shipped shall be paid through irrevocable letter of credit (L/C) opened in favor of the Supplier in a bank in its

country, upon submission of following documents specified as below:

Within 24 hours of dispatch, the supplier shall notify the purchaser the complete details of dispatch and also supply following documents by Registered Post/ courier and copies thereof by FAX.

- i. Two copies of supplier's Invoice giving full details of the goods including quantity, value, etc.;
- ii. Packing list;
- iii. Certificate of country of origin;
- iv. Manufacturer's guarantee and Inspection certificate/test report;
- v. Inspection certificate issued by the Purchaser's Inspector, if any.
- vi. Insurance Certificate, if required under the contract;
- vii. Name of the Vessel/Carrier;
- viii. Bill of Lading/Airway Bill;
- ix. Port of Loading; Date of Shipment;
- x. Port of Discharge & expected date of arrival of goods and
- xi. H S code of classification of goods.
- xii. Any other document(s) as and when required in terms of the contract.

Note:

1. The nomenclature used for the item description in the invoices(s), packing list(s) and the delivery note(s) etc. should be identical to that used in the contract. The dispatch particulars including the name of the transporter should also be mentioned in the Invoice(s)
2. The above documents should be received by the Purchaser before arrival of the Goods and, if not received, the Supplier will be responsible for any consequent expenses.

b) **On Acceptance:** Ten (10) percent of the Contract Price of Goods received shall be paid within thirty (30) days of receipt of the Goods and successful installation & commissioning upon submission of claim supported by the acceptance certificate issued by the Purchaser along with the Performance security, if any.

- The L/C will be confirmed at the suppliers cost, if requested specifically by the supplier. If L/C is requested to be extended/ reinstated for reasons not attributable to the purchaser, the charges thereof would be to the suppliers' account. All bank charges in India to the account of the opener and all bank charges outside India to the account of the beneficiary. Payment of local currency portion shall be made in Indian Rupees within thirty (30) days of presentation of claim supported by a certificate from the Purchaser declaring that the Goods have been delivered and that all other contracted Services have been performed. The L/C for 100% value of the contract shall be established after deducting the agency commission payable, if any to the Indian agent from the CIF/CIP value.

25. **Performance Security (PS):** The successful bidder has to furnish "**Performance Security of 10% of the ordered value in Indian Rupee**", in the form of Account Payee Demand Draft, / Fixes deposit and/or unconditional Bank guarantee en- cashable on demand from the Vedanta PG Girls College Reengus, from a nationalized Bank with validity period of sixty (60) days beyond the date of completion of all contractual obligations of supplier including guarantee/ warranty obligations. The Performance Security is to be furnished in favor of the Vedanta PG

Girls College, Reengus, within ten days of intimation, failing which his bid security will be forfeited.

The performance security will be discharged by the Purchaser and returned to the Supplier not later than 60 days following the date of completion of the Supplier's performance obligations, including any warranty obligations.

26. Delivery period: Delivery should be made within 1 Month from the date of order of placement of goods offered from India or opening of the LC in case of goods offered from abroad.

27. The Insurance shall be for an amount equal to 110% of the CIF or CIP value of the contract from within "warehouse to warehouse/installation site (Vedanta PG Girls College Reengus)" on "all risk basis" including strikes, riots and civil commotion.

28. Delayed delivery: Maximum one month extension in delivery period may be given on the receipt of written request of the successful vendor; however liquidated damage at the rate of 5% per month or part thereof will be recovered from the firm of the value of undelivered goods. Request for extension in delivery period should be made before the last date of supply as mentioned in Purchase Order.

Non delivery beyond extended period: If the Tenderer fails to execute the order within the delivery period as mentioned above the order will be cancelled and EMD will be forfeited by the institute.

29. Installation time: The Company must install the equipment within a period of one months from the date of delivery of the equipment at Vedanta PG Girls College Reengus failing which order will be cancelled and EMD will be forfeited. However, necessary requirement for installation of goods/equipment will be provided by institute.

30. Copy Right: The copyright in all drawings, documents, and other materials containing data and information furnished to the Purchaser by the Supplier herein shall remain vested in the Supplier, or, if they are furnished to the Purchaser directly or through the Supplier by any third party, including suppliers of materials, the copyright in such materials shall remain vested in such third party.

31. Insurance:

- a. Should the purchaser elect to buy on CIF/CIP basis, the Goods supplied under the Contract shall be fully insured in Indian Rupees against any loss or damage incidental to manufacture or acquisition, transportation, storage and delivery.
- b. Where delivery of the goods is required by the purchaser on CIF or CIP basis the supplier shall arrange and pay for Cargo Insurance, naming the purchaser as beneficiary, initiate & pursue claims till settlement, on the event of any loss or damage.
- c. With a view to ensure that claims on insurance companies, if any, are lodged in time, the bidders and /or the Indian agent, if any, shall be responsible for follow up with their principals for ascertaining the dispatch details and informing the same to the Purchaser and he shall also liaise with the Purchaser to ascertain the arrival of the consignment after customs clearance so that immediately thereafter in his presence the consignment could be opened and the insurance claim

be lodged, if required, without any loss of time. Any delay on the part of the bidder/Indian Agent would be viewed seriously and he shall be directly responsible for any loss sustained by the purchaser on the event of the delay.

32. Right to use Defective Goods: If after delivery, acceptance, installation and within the guarantee and warranty period, the operation or use of the goods proves to be unsatisfactory, the Purchaser shall have the right to continue to operate or use such goods until rectifications of defects, errors or omissions by repair or by partial or complete replacement is made without interfering with the Purchaser's operation.

33. Site preparation and installation: The Purchaser is solely responsible for the construction of the equipment sites in compliance with the technical and environmental specifications defined by the Supplier. The Purchase will designate the installation sites before the scheduled installation date to allow the Supplier to perform a site inspection to verify the appropriateness of the sites before the installation of the Equipment, if required. The supplier shall inform the purchaser about the site preparation, if any, needed for installation, of the goods at the purchaser's site immediately after notification of Award / Purchase Order / Agreement.

34. Force Majeure:

- (i) Notwithstanding the Clauses relating to extension of time, penalty and Termination for Default the Supplier shall not be liable for forfeiture of its performance security, liquidated damages or termination for default, if and to the extent that, its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.
- (ii) For purposes of this Clause, "Force Majeure" means an event or situation beyond the control of the Supplier that is not foreseeable, is unavoidable, and its origin is not due to negligence or lack of care on the part of the Supplier. Such events may include, but not be limited to, acts of the Purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.
- (iii) If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such conditions and the cause thereof within 21 days of its occurrence. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.
- (iv) If the performance in whole or in part or any obligations under the contract is prevented or delayed by any reason of force majeure for a period exceeding 60 days, either party may at its option terminate the contract without any financial repercussions on either side.

35. Defective Equipment:

- (i) If any of the equipment supplied by the Tenderer is found to be substandard, refurbished, unmerchantable or not in accordance with the description /specification or otherwise faulty, the institute will have the right to reject the equipment or its part. The prices of such equipment shall be refunded by the Tenderer with 18% interest if such payments for such equipment have already been made to him.

(ii) All damaged or unapproved goods shall be returned at suppliers cost and risk and the incidental expenses incurred thereon shall be recovered from the supplier. Defective part in equipment, if found before installation and/or during warranty period, shall be replaced within 45 days on receipt of the intimation from this office at the cost and risk of supplier including all other charges.

36. Any disputes arising out of this enquiry shall be dealt in the Reengus jurisdiction.

37. Bidder has to sign all the pages of this tender and enclose it with the bid.

-sd-
Principal
Vedanta PG Girls College Reengus

List of Annexure

1. List of Equipment – Annexure 1
2. Technical Specification of Equipments/goods – Annexure 2
3. Technical Compliance of the bidder with reference to the 'Specification of Equipments: Annexure 3
4. Price Schedule for goods being offered from India - Annexure 4
5. Price Schedule for goods being offered from Abroad. - Annexure 5
6. Deviation statement form - Annexure 6
7. Bidder information & check list – Annexure 7

Annexure 1

List Of Equipment To Be Procured Under Tender

Name of Equipment	Quantity
Glove Box	1

Annexure 2

Technical Specification of equipment/good

Sl. No.	Specifications
1.	<p>TWO PORT CUSTOMISED GLVOE BOX</p> <p>1. Glove Chamber-2Port</p> <p>2. Main Ante-Chamber</p> <p>3. Automatic Pressure Controller</p> <p>4. Dual Stage Rotary Vane Vacuum Pump and Measuring Gauge</p> <p>5. Valves and Electrical Feedthroughs</p> <p>6. Electricals and Support Stand.</p> <p>ANTE CHAMBER:</p> <p>The Ante-chamber and mini Ante-chamber are meticulously designed to achieve a vacuum level of approximately 10^{-3} mbar, with vacuum measurements carried out using a dial gauge.</p> <p>The Ante-Chamber adopts a cylindrical form, internally brushed for a finished appearance, and features a conveniently placed door that facilitates smooth material transfer into the main glove chamber. Illumination within the chamber is provided by a tube light fixed at its upper part. The front side of the Glove chamber is equipped with a polycarbonate window sheet, allowing easy observation of the materials within.</p> <p>The unit boasts a specialized circulation arrangement integrated with a regeneration system to ensure a controlled environment. The unit encompasses the following attributes:</p> <p>Material: Constructed from high-grade Stainless Steel 304L (US304L)</p> <p>Shape: Cylindrical</p> <p>Dimensions: 350 mm Diameter x 450 mm Length, crafted from SS 304, with a hinged door.</p> <p>Door: Aluminum door, anodized and designed with a spindle lock mechanism.</p> <p>Sliding Tray: Incorporates one stainless steel sliding tray for added convenience.</p>

	<p>A dial-type analogue vacuum gauge is provided for vacuum measurement in the antechamber of the Glovebox. Additionally, a 3-way valve is included within the mini antechamber to facilitate evacuation and refill functions.</p> <p>VACUUM PUMP:</p> <p>A Direct Drive Double Stage Rotary Vane Pump, capable of 15 m3/hr throughput and equipped with an oil mist filter and oil recirculation system, is linked to both the Glovebox and Ante Chamber. This connection is facilitated through isolation valves, stainless steel bellows, and pipelines.</p> <p>Here are the specifics of the Rotary Pump:</p> <p>Salient Features:</p> <ul style="list-style-type: none"> • Direct drive • Air cooled • Less oil charge • Compact and rugged. • Light weight. • Gas ballast. • Less noise and vibration. • Built in Ante suck back facility Technical Data
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TECHNICAL DATA: Free air displacement capacity (15 M3/hr)

Ultimate vacuum at the intake with McLeod Gauge (With Gas ballast Closed) 1x10(-3) mb.

Vacuum connection KF-25

Motor H.P 1/2 H.P Single Phase

Cooling Forced air cooling

Pump rotation speed 1440 rpm

Vacuum with gas ballast open 5 x 10(-2) mb

Oil temperature 55 deg. C after 7 hours

No. of stages 2

Essential cables will be furnished to cover all required connections.

PRESSURE GAUGES:

Pressure measurement equipment includes a 6" diameter pressure gauge, suitable for measuring both vacuum and positive pressure. Additionally, an electronic pressure sensor accompanied by a controller is also included.

SIDE DOOR:

The side door of the main chamber, situated opposite the anti-chamber, is designed to be fully operable. It features a secure locking mechanism, allowing for the convenient introduction of larger instruments into the Glovebox as needed.

GLOVE PORTS:

The Glovebox will feature a total of four aluminum glove holders, each with a diameter of 220mm. These holders will be positioned – two at the front and two at the rear viewing panel of the Glovebox. Additionally, they will be meticulously O-ring sealed to ensure optimal functionality.

GLOVES:

A pair of chemical-resistant gloves, sized 8" for optimal hand fit, with a suitable diameter of 220mm, will be included.

FEEDTHROUGHS:

- An electrical feedthrough will be included to facilitate the transmission of a 230 Volts, 15 Amps power supply within the Glovebox (Bi + T220 V configuration).

ILLUMINATION OF GLOVEBOX:

Glovebox will feature two LED lights, complete with their respective fixtures, thoughtfully positioned at the top. Installation will ensure minimal intrusion on the Glovebox surfaces.

PIPING AND FITTINGS:

The entire piping network, as well as the assortment of fitting components, will be constructed using SS 304 material for durability and performance.

PORT CONNECTIONS:

All port connections will exclusively feature KF-10/25/DN 40 couplings for uniformity and compatibility.

MOUNTING STAND:

Our specially crafted mounting stands are purpose-built to provide optimal support for Gloveboxes. Comprising 2" square MS tubes, these frames offer a robust mounting solution. The frame is outfitted with jack facilities and caster rollers for seamless level adjustment. The mounting stand's height, inclusive of castors and leveling feet, will be meticulously configured to a suitable length.

LEAK TEST:

Following fabrication and assembly, a comprehensive leak test of the entire Glovebox will be conducted using the pressure drop method in accordance with ISO 10648-2 standards. Furthermore, the Ante-chamber will undergo evacuation to achieve an ultimate vacuum, ensuring its capability to attain vacuum levels as low as 10(-2) mbar.

POWER SUPPLY:

240± 10V, 50 Hz

SAFETY PRECAUTIONS:

Stringent safety protocols have been incorporated to ensure the unit's seamless operation. The installation features a pressure relief valve, and electrical connections are fortified through the use of fuses and other protective mechanisms.

MACHINING:

Regarding machining, utmost attention will be devoted to the elimination of chatter marks, scratches, and burrs from machined surfaces. Both internal and external sharp corners will be rounded to ensure safety. All dimensions, tolerances, and finishing will impeccably align with the approved drawings.

WELDING:

All welding processes are meticulously executed using TIG Argon Arc welding technique by certified welders in strict accordance with ASME Code Section IX. Appropriate welding rods are employed to ensure full weld penetration. Welding procedure qualification is conducted in adherence to ASME Section IX guidelines. Thorough visual inspections of both weld metal and the heat-affected zone confirm flawless fusion and the absence of any cracks.

FABRICATION:

We boast a pristine shop floor area dedicated to stainless steel fabrication. Our process includes grinding the stainless-steel sheets' shear edges to eliminate shear cracks. Exclusive use of wire brushes and grinding wheels is confined to stainless steel sheets and components. For finishing grinding, we employ fine grit wheels, usually of 120 grit or finer. To prevent potential weld contamination, we abstain from using galvanized clamps or zigs. Our welding sequence is meticulously crafted to minimize distortion in the weldments. Adherence to indicated dimensions and tolerances from the drawings is our standard practice.

All machined surfaces receive a meticulous finish. Our approach involves the utilization of standardized drill jigs and fixtures for uniformity across identical parts.

SURFACE FINISH:

All stainless-steel sheet metal will feature a consistent 2B finish. The standard commercial finish will be preserved for bought-out items such as fasteners, valves, and fittings. Rigorous attention will be given to rounding both inner and outer edges and corners to eliminate sharp angles. Our commitment to achieving a surface finish that aligns with specifications is unwavering, ensuring a final product that embodies the desired quality and aesthetics.

CLEANING:

The Glovebox will undergo a comprehensive cleaning process aimed at eliminating weld flux, oil, grease, shop soil, and visible rust from both internal and external surfaces. Prior to fabrication, all components are meticulously cleaned to remove any visible rust. The equipment will be subjected to a thorough cleaning regimen, ensuring its impeccable condition and readiness for use. To safeguard the cleaned Gloveboxes, a secure packaging approach will be employed, effectively shielding the equipment during transportation.

Annexure 3

**Technical Compliance of the bidder with reference to the
‘Specification of Equipment’**

Name and model no of offered goods/equipment:

Item	Technical Specification from Vedanta PG Girls College Reengus	Features Available in Equipment Yes/NO	Any Deviation from Specification, if any	Corresponding part Number/Datasheet/Page No. in Brochure in support of specification	Comment of Technical Committee, Vedanta College Reengus

Signature of Bidder

Annexure-4

Price Schedule form: Price Schedule for Goods Being Offered from India/Abroad in INR

Name of the Bidder/Tenderer:

Name & Model No offered:

Tender No.:

Sl. No.	Details	Price Per Unit in INR
1	Ex-works, Ex-warehouse, Ex-show room off the shelf price (inclusive of all taxes already paid)	
2	VAT & other taxes like excise duty* payable, if contract is awarded	
3	Packing & forwarding up to station of dispatch, if any	
4	Charges for inland transportation, insurance to ultimate destination i.e. Vedanta PG Girls College Reengus, if any	
5	Installation, Commissioning and training Charges, If any	
6.	Any other charge (please specify)	
	Total Price (Sum of Sl. No. 1 to 6) for Vedanta PG Girls College Reengus	

Total Bid price in Indian currency_____

In words: _____

Name _____

Business Address

Note:

(a) The cost of optional items shall be indicated separately.

Signature of Bidder

Annexure-5

Price Schedule Form: Price schedule for goods being offered from abroad in currency other than INR

Name of the Bidder/Tenderer:

Name & Model No of offered good:

Tender No.:

S. No.		Price per unit in ()
1	Country of origin	
2	FOB (named port of shipment) Or FCA (named place of delivery)	
3	Freight and Insurance up to Indian Airport/port	
4	Total Price at Indian Airport /port (2+3)	
5	**Custom charges (please mentioned %)	
6	Custom clearance and other charges if any (with breakup)	
7	Inland Charges for Insurance & transportation to Vedanta PG Girls College Reengus	
8	Installation, commissioning and training Charges, if any	
9	If any other charges (Please Specify)	
	Total Price (FOR Vedanta PG Girls Reengus) (Sum of S. No 1 to 9)	

Total Bid price in foreign currency:----- words:

(a) Indian agents name & address _____

(b) The cost of optional items shall be indicated separately-----

Signature of Bidder

Annexure-6**DEVIATION STATEMENT FORM**

The following are the particulars of deviations from the requirements of the tender specifications:

CLAUSE	DEVIATION	REMARKS (INCLUDING JUSTIFICATION)

Signature of Bidder

Annexure-7 (Please put this annexure at the top of the tender document)

Bidder's information & Check list

1. Name of the Firm:

2. Type of the firm: (Proprietorship, Pvt Ltd, Public Ltd, Partnership etc.)

3. Address of the firm:

4. Contact detail: *Phone No.:* **Mob No.:**

Fax No. **E mail:**

5. Name of the authorised signatory:

6. EMD detail: *Instrument No.* **Date:** **Amount:**

Issuing Bank name & branch detail:

Check List (Please enclose the copy of the following & tick as per applicability)

1. Proof of registration of the firm:

2. Authorisation certificate of dealership:

3. PAN card in Firm's name:

4. Sales tax certificate:

5. Commercial tax certificate:

6. Service tax certificate:

7. Proof of registration with any central govt. organisation:

8. Purchase orders issued by any central govt organisation.

Signature of Bidder