
The Director, Indian Institute of Astrophysics invites Quotations/Bids (Double Bid System) both Technical bid and Commercial bid from reputed firms for following:-

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<tr>
<th>Sl.No.</th>
<th>Description</th>
<th>Quantity</th>
<th>E.M.D (Refundable)</th>
<th>Tender Fee (Non-refundable)</th>
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<tr>
<td>1</td>
<td>Complete fabrication, manufacture, inspection and delivery of VELC Optical bench (As per detailed specification and drawing in the Annexure – I)</td>
<td>01</td>
<td>1,12,500/-</td>
<td>500/-</td>
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Note: The Tender documents with specification details are available on IIA website www.iiap.res.in/tenders.htm. Hence the interested tenderers may at their option down load the same from our website (as no hard copies of Tender documents is/are provided from this office) and submit their offer along with EMD (refundable) & Tender fee (non-refundable) prescribed therein, only in the form of Demand Draft drawn in favour of Director, IIA. However, your offer with bid should be superscribed in a envelope mentioning the Tender Notice No., Date of opening, and submit both Technical bid and Commercial bid in a separate sealed envelopes addressed in favour of Director, Indian Institute of Astrophysics, 2nd Black, Koramangala, Bangalore – 560 034.

02. The firms who fulfill the following requirements shall be eligible to submit their bid. Joint ventures are not acceptable.

(a) Tendering Company shall be professionally managed and equipped with facility for the supply and maintenance of tendered items.

(b) The tenderers should have completed at least one similar single work for a minimum value of Rs.50 Lacs during the last 3 financial years (i.e., current year and two previous financial years).

(c) The total contract amount received during the last 3 financial years, and the current financial year should be minimum of 150% of the above mentioned value. The tenderer should submit Audited Balance Sheet duly certified by the chartered accountant to this
effect. They should also submit Bankers Solvency Certificate to a minimum of Rs.50 Lacs.

(d) The Private Body Contractor shall be required to produce the TDS Certificate indicating the Income Tax deducted by the client for the execution of similar items, completed individually of value not less than Rs.50 Lacs.

03. Both Technical and Commercial bids supported by the above information should be submitted in a separate sealed envelopes duly superscribed with the name of work/item. The Technical bid and Commercial bid will be received by this office **upto 15.00 Hrs. latest by 20th January 2016.**

04. If any information furnished by the tenderers is found incorrect at a later stage, the firm shall be liable to be debarred from tendering and taking up of work in IIA. The Institute reserves the right to verify the particulars furnished by the tenderers.

05. The interested tenderers may contact Mr.P.U.Kamath (Ph.No.22541215) to discuss Technical Clarification and Shri.Y.K.Raja Iyengar (Ph.No.22541244) for Commercial Clarification, if any, on or before 13th January 2016 during office hours, before submitting bids.

06. The firms should submit both Technical bid and Commercial / Price bid separately superscribed along with EMD and Tender fee of prescribed amount **upto 15.00 Hrs. Latest by 20th January 2016.** The Technical bids will be opened in presence of the bidders or their authorized representatives **at 15.30 Hrs. on 20th January 2016.**

07. EMD & Tender fee of prescribed value shall be sent along with the Technical bid, tenderers in the form of demand draft only in favour of “The Director, Indian Institute of Astrophysics, Bangalore, drawn from any Indian Nationalised / Reputed Banks in India.

08. Incomplete bids are liable for rejection.

09. Late / delayed offer will not be considered.

10. IIA is not responsible for any delay / loss of documents in transit.

11. No bids will be considered if prescribed Tender Fee and EMD is not found with the technical bid.

12. The offer should be valid for a minimum period of 120 days from the date of opening of bid.

13. The Commercial / Price bids will be opened of those firms technically qualified in the presence of such bidders or their nominated representatives. The date of opening will be intimated to those bidders who are successful in Technical bid.

14. IIA reserves the right to reject any or all tenders without assigning any reasons.

**Administrative Officer**

**IIA, Bangalore-34**
Annexure - I

TECHNICAL SPECIFICATIONS FOR FABRICATION AND DELIVERY OF OPTICAL BENCH FOR THE VELC (Visible Emission Line Coronagraph)

Introduction:
Indian Institute of Astrophysics (IIA) is developing Visible Emission Line Coronagraph (VELC) to be launched on board Aditya L1 mission, India's second satellite for Astronomy research. The structure of the VELC employs Titanium, Ti6Al4V alloy, Invar 36, Aluminum Al6061 -T6 and other alloy materials. The scope of this RFP is limited only to the manufacture and supply of the optical bench of VELC. In order to qualify the design, assembly and interface requirements first a lab model (prototype) of the optical bench made of Aluminum Alloy Al6061T6 and subsequently the engineering and flight model of the optical bench shall be made using Titanium Alloy Ti6Al4V Grade 5.

The vendor shall be responsible for the manufacture, which includes fabrication, machining and stress relieving/natural ageing, inspection and delivery of the components listed in the RFP. A vendor with all or maximum facility with technical capability to realize this part will be preferred.

The items shall be supplied in accordance with the applicable drawings/documents/standards specified herein and the schedules set forth. The following are the objective and scope of work of this RFP in detail.

1. The primary scope of this RFP includes that the vendor shall manufacture and deliver the Optical bench for engineering model and the flight model made of Titanium Alloy Ti6Al4V as per the drawings supplied by IIA. However, a lab model made of Aluminium alloy Al6061T6 shall be fabricated FIRST to qualify the process as well as to fine tune the design. The delivery of the optical bench will be as per the mutually agreed time schedule between IIA and the vendor.

However, IIA would like to consider early delivery of items without affecting the quality of work, as per the details given below.

2. The lab model (prototype) made of Aluminium Alloy shall be delivered within 3 months from the date of placement of purchase order. If the situation demands, an additional prototype made of Aluminium Alloy (Prototype 2) to be made by the vendor.

3. Engineering model made of Titanium Alloy shall be delivered within 4 months after the delivery of lab models and clearance from IIA and issue of raw material.

4. Flight model made of Titanium Alloy shall be delivered within 5 months after the delivery of engineering model and clearance from IIA and issue of raw material.

5. The engineering drawings of the optical bench to be manufactured will be provided in hard copy/soft copy, AutoCAD 2D and STEP 3D format.
6. The vendor shall provide details on process plans used in/during manufacturing, heat treatment procedure, methodology of job tracking and QA plans, for approval by IIA, before proceeding with the work. The vendor shall provide a complete list of machines/facilities including inspection proposed to be used for manufacture of these components. The work should be commenced after approval of the above by IIA.

7. The vendor shall generate fabrication drawings for all the parts/components, consistent with all specifications, dimensions and tolerances given in the design drawings. The fabrication drawings shall be submitted with components list to IIA for comments. The work should be commenced after approval of the above by IIA.

8. **The raw material for the manufacture provided by IIA:**
   a. Aluminium alloy Al6061 T6, of size 2000x 1250 x100 mm thick blank will be supplied by IIA. (Prototype)
   b. Titanium Alloy Ti6Al4V of size 1650 x 1100 x 85 mm blanks will be supplied by IIA (EM and FM)

**List of Drawings:**

1. **Drawing No. VELC/OPT-BENCH/001-01 (10 Sheets)**

**Dimensions and tolerances:** All dimensions and tolerances to be strictly followed as per the drawings issued by IIA. Until unless specified, all dimensions in the drawings are in “mm”, All drawings are to be in first angle projection. THE GENERAL TOLERANCE OF +/- 0.05mm TO BE FOLLOWED ON ALL DIMENSIONS WHEREVER TOLERANCES ARE NOT SPECIFIED.

The general positional tolerance on all the holes will be 50 microns, until unless specified.

**Deliverables:**

1. **Optical Bench**
   a. Lab model (prototype) - 1 or 2 nos.
   b. Engineering Model – 1 No.
   c. Flight Model – 1 No.

2. **Inspection reports, heat treatment reports and quality checks with each models/parts.**

**Metrology and inspection:**

1. The vendor should have proper facilities including the CMM to inspect/measure the geometrical tolerances and dimensional tolerances.

2. IIA shall have the right, to perform inspection of the work at various stages either at vendor’s/sub vendor’s sites. The vendor shall rectify at their expense any deviations from the specifications/drawings or any assembly level deviations. Trial assembly of the components wherever applicable, will be done at the vendor’s site by the vendor, if found that any corrections are necessary, it should be done by the vendor at their site.
3. All dimensions of the components to be as per the drawings supplied by IIA. Any deviations/nonconformance at any steps of manufacture should be reported to IIA and a clearance to be obtained for further action.

4. All dimensions to be measured at a temperature of 20ºC (+/-1.0ºC) as specified by IIA.

5. Visual inspection to be done to ensure no scratches and burrs are present in the components.

6. IIA shall issue serial numbers for various components. The vendor shall mark them at appropriate locations as per mutually agreed plan/drawings (for identification and traceability). These numbers shall not be changed when any part is reworked etc. unless it is approved by IIA.

7. It should be seen that the final hardness should match with the initial hardness value nearest to +/-5% of initial value.

8. The inspection will be done in the following stages, to ensure that the machining of the components is progressing as per the specs. The following are the different stages,

   a) Primary stage: Needed on raw material dimensions, hardness of the material, etc.

   b) Intermediate stage: Inspection and metrology of pre-machined parts including the heat treatment process.

   c) Final stage: Inspection and metrology of final machined parts, hardness tests and assembly checks of all critical parts.

9. Pre-shipment stage: Visual inspection, packaging etc

10. Complete database and records of measurements and inspection of all stages of manufacturing and test reports should be maintained by the vendor and made available to IIA during delivery of the components.

**Cleaning, packing and transport:** All components after deburring to be cleaned (by petroleum based solvent) and degreased by ultrasonic cleaning before packing. Component shall be packed properly to ensure that no damages occur while transporting it to IIA.

**Documentation:**

1. The vendor shall provide the details of the overall process steps / plans proposed to realize the part in their proposal. Overall plan for executing the work order shall be submitted by the vendor providing visibility of all matters relating to the phases of the activity specified here in along with the technical quote.

2. The fabrication/manufacturing drawings prepared by the vendor shall be given to IIA for approval before proceeding with manufacture.
3. The vendor should identify the milestones for completing the entire job and should send a list of it with time schedule along with the bid.

4. The vendor shall maintain complete files of all documents relating to product assurance, such as inspection process and non conformance and reworks etc.

Meetings, reviews and site visits: Meetings/visits will be held periodically to evaluate the following.

- Facility readiness review
- Progress reviews
- Pre-shipment reviews

5. The offer shall be in two parts, put in separate sealed envelopes as given below.
   a) Technical offer with all technical details, delivery schedules etc.
   b) Cost/Price bid.
   
   The vendor should quote for the manufacture of prototype and engineering model/flight model separately (Aluminum and Titanium) in the price bid.

The technical bid shall include the heritage of the supplier in fabrication and manufacture of large size Aluminium and Titanium precision parts specially used in aerospace application and of similar or near similar dimensions and purpose with the details of those clients.

General Notes:
1. IIA reserves accessibility to vendor site as and when required. Information like, subcontractor information, material test reports, product test reports need to be provided to IIA, during all stages of the contract.
2. Any deviation in the manufacturing process need to be brought to the notice of IIA, before proceeding.
3. Excess raw material shall be returned to IIA along with the finished components.
4. If any clarification is needed, vendor has to get the clarification cleared from IIA, before offering the quotation.
Notes:
1. All dimensions are in mm.
2. General Tolerances: Wherever not specified, ±0.05.
3. Maximum of the optical mount axes and quiescence interfaces shall be less than 0.025.
4. Positional tolerances on the hole 0.02.
5. Variation in flatness from corner to corner across diagonals shall be within 0.02.
6. Per (other details refer to 3D models).
7. Surface Coating: Aerospace 2026 (not specified in scope).
Optical Bench of VELC

Notes:
1. All dimensions are in mm.
2. General Tolerances (where not specified): ±0.05
3. Flatness at the optical mount area and spacecraft interfaces shall be less than 0.025
4. Tolerance on the faces: ±0.02
5. Variation in flatness from corner to corner across diagonal shall be within ±0.02
6. For further details refer 3D model
7. Surface Coatings: Anodize II (per vendor’s specs)
This sheet is for reference only.

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<tr>
<td>A1</td>
<td>Part 1</td>
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<td>A2</td>
<td>Part 2</td>
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<td>A3</td>
<td>Part 3</td>
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Indian Institute of Astrophysics, Bangalore
Bottom Plate for the optical bench
Optical Bench of VELC
Dear Sirs,

The Director, Indian Institute of Astrophysics, Bangalore invites Sealed Tenders for the supply of Stores detailed in the Tender form hereto attached. The Tender terms enclosed are also may be noted carefully. If you are in a position to quote for the supply in accordance with the requirement, please submit your quotation in the attached Tender form also.

Your Technical bid and Commercial bids must reach this office on or before the date and time indicated in the Tender Schedule.

Thanking you,

Yours faithfully,

Encl: as above.

P.Kumaresan
Administrative Officer
for Director
**PUBLIC TENDER NOTICE NO.: PR/PT/PUK/ADITYA/VELC-OPT-BENCH/CAP/484 DATED: 15TH DECEMBER 2015**

**TENDER FORM**

**FROM:**

**TO**

THE DIRECTOR,
Indian Institute of Astrophysics.,
Bangalore-560 034.

Sir,

I/We hereby offer to supply the stores indicated below at the price hereunder quoted and agree to hold this offer open till__________. I/We shall be bound to supply the store hereby offered upon the issue of the Purchase order communicating to the acceptance thereof on or before the expiry of the last mentioned date. You are at liberty to accept any one or more of the items of such stores. I/We not withstanding that the offer in this tender has not been accepted in whole, shall be bound to supply such items and such portion or portions of one or more of the items as may be specified in the said Purchase order communicating the acceptance.

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<tr>
<th>Sl.No.</th>
<th>Description of the item(s)</th>
<th>Quantity</th>
<th>Unit</th>
<th>Amount</th>
<th>Dely. Period</th>
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<tr>
<td>1.</td>
<td>Complete fabrication, manufacture, inspection and delivery of VELC Optical Bench</td>
<td>01 No.</td>
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<td></td>
<td>(As per detailed Specification &amp; drawings in the Annexure I)</td>
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Place at which the Delivery is required : At IIA, 2nd Block, Koramangala, Bangalore – 560034.

Date by which the supplies are required : Delivery period see Annexure - I in the RFP
2. I/We have understood the items of the tender annexed to the invitation to this Public Tender and have thoroughly examined the specifications/drawing and/or pattern quoted or referred to herein and are fully aware of the nature of the stores required and my/our offer is to supply the stores strictly in accordance with the requirements subject to the terms and conditions contained in the Purchase order, if communicated on the acceptance of this tender either in whole or in part.

Date: 

Signature and seal of Tenderer

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TERMS AND CONDITIONS OF CONTRACT

1. DEFINITIONS:

   a.) The terms 'Purchaser' shall mean the Director, Indian Institute of Astrophysics, Bangalore -560 034.

   b.) The term 'Contractor' shall mean, the person, firm or company with whom or with which the order of stores is placed and shall be deemed to include the Contractor's successors, representative, heirs, executors and administrators unless excluded by the contract.

   c.) The 'Stores' shall mean that contractor agrees to supply under the contract as specified in the Purchase Order including erection Plants and machinery and subsequent testing, should such as condition be included in the Purchase Order.

   d.) The terms 'Purchase Order' shall mean the communication signed on behalf of the Purchaser by an Officer duly authorized intimating the acceptance on behalf the Purchaser on the terms and conditions mentioned or referred to in the said communications accepting the tender or offer of the contractor for supply of stores or plant, machinery or equipment or part thereof.

2. PRICES:
Tenders, offering firm prices will be preferred, where a price variation clause is insisted upon by a tenderer, quotations with a reasonable ceiling should be submitted. Such offers should variably be supported by the base price taken into account at the time of tendering and also the formula for any such variations.

3. DUTY EXEMPTION:

(a.) Excise duty exemption certificate will be provided if considered against the categories of items tendered, under the Govt. of India Notification No. 10/97 valid till 2016.

4. SECURITY DEPOSIT:

On acceptance of Tender, the Contractor shall, at the option of the Purchaser and within the period specified by him deposit with him in cash or any other form as the Purchaser may determine, Security deposit not exceeding ten percent of the value of the contract as the Purchaser shall specify. If the contractor is called upon by the purchaser to deposit 'Security' and the contractor fails to provide the security within the period specified, such failure shall constitute a breach of the contract and purchase shall be entitled to make other arrangements for the re-purchase of the stored contracted for at the risk of contractor in terms of sub-clause (ii) and (iii) of clause 10 (b) hereof and/or to recover from the contractor damages arising from such cancellation.

5. GUARANTEE AND REPLACEMENT:

a.) The contractor shall guarantee that the stores supplied shall comply fully with the specifications laid down, for material workmanship and performance.

b.) For a period of (12) twelve months after the acceptance of the stores, if any defects are discovered therein or any defects therein found to have developed under proper use arising from faulty stores, design or workmanship, contractor shall remedy such defects at his own cost provided he is called upon to do so within a period of 14 months from the date of acceptance thereof by the purchaser who shall state in writing in what respect the store or any part thereof are faulty.

c.) If in the opinion of the purchaser, it becomes necessary to replace or renew any defective stores such replacement or renewal shall be made by the Contractor free of all costs to the purchaser provided the notice informing the contractor of the defect is given by the purchaser in this regard within the said 14 months from the date of acceptance thereof.

d.) Should the contractor fail to rectify the defects, the purchaser shall have the right to reject or repair or replace at the cost of the contractor the whole or any portion of the defective stores.

e.) The decision of the purchaser, not withstanding any prior approval of acceptance or inspection thereof on behalf of the purchaser, as to whether or not the stored supplied by the contractor are defective or any defects has developed within the said period of 12 months or as to
whether the nature of the defectives required renewal or replacement shall be final, conclusive and binding on the contractor.

    f.) To fulfill guarantee conditions outlined in Clause 5(a) to (d) above, the contractor shall, at the option of the purchaser, furnish a Bank Guarantee (as prescribed by the purchaser) from a Bank approved by the purchaser for an amount equivalent to 10% of the value of the contract along with first shipment documents. On the performance and completion of the contract in all respects, the Bank Guarantee will be returned to the contractor without any interest.

g.) All the replacement stores shall also be guaranteed for a period of 12 months from the date of arrival of stores at Purchaser's site.

h.) Even while the 12 months guarantee applied to all stores in case where a greater period is called forth by our specifications then such a specification shall apply; in such cases the period of 14 months referred to in Para 5(b) and (c) shall be 'asked for' guarantee period plus two months.

6. PACKAGING, FORWARDING AND INSURANCE :

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

7. TEST CERTIFICATE :

    Wherever required Test Certificate should be sent along with the relevant dispatch documents.

8. ACCEPTANCE OF STORES :

    a) The Stores shall be tendered by the contractor for inspection at such places as may be specified by the purchaser at the Contractor's own risk, expenses and cost.

    b) It is expressly agreed that the acceptance of stores, contracted for is subject to final approval by the Purchaser, whose decision shall be final.

    c) If, in the opinion of the Purchaser all or any of the stores that do not meet the performance or quality requirements specified in the Purchase Order, they may be either rejected
or accepted at the price to be fixed by the purchaser and his decision as to rejection and the prices to be fixed shall be final and binding on the contractor.

d) If the whole or any part of the store supplied are rejected in accordance with Clause No.8(c) above, the Purchaser shall be at the liberty, with or without notice to the Contractor, to purchase in the open market at the expenses of the Contractor, stores meeting the necessary performance and quality contracted for in place of these rejected, provided that either the purchase, or the agreement to purchase, from another supplier is made within six months from the date of rejection of the stores as aforesaid.

9. REJECTION OF STORES:

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

10. DELIVERY PERIOD:

a.) The delivery period of the stores stipulated in the purchase order shall be deemed to be the essence of the Contract, and delivery must be completed on or before the specified dates/period.

b.) Should the Contractor fails to deliver the stores or any consignment thereof within the period prescribed for such delivery, the Purchaser shall be entitled at his option either.

i) to recover from the Contractor as agreed liquidated damages and not by way of penalty, a sum of 2% of the price of any stores which the contractor has failed to deliver as aforesaid for each month or part of a month, during which the delivery of such stores may in arrears, or

ii) to purchase elsewhere, without notice to the Contractor on the account and at the risk of the contractor, the stores not delivered or others of similar description (where other exactly complying with the particulars are not, in the opinion of the purchaser readily procurable, such opinion being final) without canceling the Contract in respect of the consignment(s) not yet due for delivery or,

iii) to cancel the contract or a portion thereof, and, if so desired to purchase or authorize the purchase of stores not so delivered or others of similar description (where other exactly complying with the particulars are not, in the opinion of the purchaser readily procurable, such opinion final) at the risk and cost of the Contractor.
In the event of action being taken under sub-clause (ii) and (iii) of clause 10 above, the Contractor shall be liable for any loss which the Purchaser may sustain on that account, provided that the re-purchase, or if there is an agreement to re-provide shall made within (6) six months from the date of such failure. But the Contractor shall not be entitled to any gain on such re-purchase made against default. It shall not be necessary for the purchaser to serve a notice of such re-purchase on the defaulting Contractor. This right shall without prejudice to the right of the purchase to recover damages for breach of contract by the Contractor.

11. EXTENSION OF DELIVERY TIME :

As soon as it is apparent that Contractor delivery period/dates cannot be adhered to, an application shall be sent by the Contractor to the Purchaser. If failure, on the part of the Contractor to deliver the stores in proper time shall have arisen from any cause which the Purchaser may admit as reasonable ground for an extension of the time (and his decision shall be final he may allow such additional time as he considers it to be justified by the circumstances of the case without prejudice to the Purchaser's rights to recover liquidated damages under clause 10(i)(ii) and (iii).

12. PAYMENT :

Contractor's bill will be passed only after the stores have been received, inspected and accepted by the Purchaser for payment.

13. RECOVERY OF SUMS DUE :

Whenever there is breach of contract whether liquidated or not, money arising out of or under this contract against the contract, the Purchaser shall be entitled to recover such sum by appropriating, in part or whole, the security deposited by the Contractor, if a Security is taken against the contract. In the event of the Security being insufficient or if no security has been taken from the Contractor, then the balance or the total sum recoverable as the case may be shall be deducted from any sum then due or which at any time thereafter may become due to the contractor under this or any other contract with the Purchaser. Should this sum be not sufficient to cover the full amount recoverable, the Contractor shall pay to the Purchaser on demand the remaining balance due. Similarly, if the purchaser has or makes any claims, whether liquidated or not, against the Contractor under any other contract with the purchaser, the payment of all moneys payable under the contract to the Contractor including the Security Deposit shall be withheld till such claims of the Purchaser are finally adjudicated upon and paid by the Contractor.

14. INDEMNITY :
The Contractor shall warrant and be deemed to have warranted that all stores supplied against this contract are free and clean of infringement of any patent, copyright or trade mark, and shall at all time indemnify the purchaser against all claims which may be made in respect of the stores for infringement of any right protected by patent, registration of design or trade mark and shall take all risk of accidents of damage which may cause a failure of the supply from whatever cause arising and the entire responsibility for sufficiency of all the means used by him for the fulfillment of contract.

15. ARBITRATION:

In the event of any question, dispute or difference arising under these conditions contained in the purchase order 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 Institution or of some other person appointed by him. It will be no objection that the arbitrator is a Government Servant, that he has to deal with matter to which the Contract relates or that in the course of his duties as Government Servant he has expressed views on all or any of the matters in dispute binding on the parties of this Contract.

(a) IT IS TERMS OF THIS CONTRACT:

If the Arbitrator be the Head of the Institution.,

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 Institution, to appoint another person as arbitrator or,

(b) If the Arbitrator be a Person appointed by the Head of the Institution:-

In the event of his death, neglecting or refusing to act, or resigning or being unable to act for any reason, it shall be lawful for the Institution either to proceed with reference himself or to appoint another person as arbitrator in place of the outgoing arbitrator. Subject as aforesaid the Arbitration Act, 1940 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 extend with the consent of the Purchaser and the Contractor the time for making a publishing the award. The venue of Arbitration shall be the place as the Purchaser. In his absolute discretion may determine. Work under the contract shall if reasonably possible, continue during Arbitration proceedings.
16. COUNTER TERMS AND CONDITIONS OF SUPPLIERS:

Where Counter Terms and Conditions/printed or cyclostyled conditions have been offered by the Supplier, the same shall not be deemed to have been accepted by the Purchaser, unless specific written acceptance thereof is obtained.

17. SECURITY FOR PURCHASER’S MATERIAL(S):

Successful Tenderer will have to furnish in the form of a Bank Guarantee or any other form as called for by the Purchaser towards adequate security for the materials/property by the Purchaser for the due execution of the Contract.