

भारतीय कृत्रिम अंग निर्माण निगम

(भारत सरकार का उपक्रम)

जी०टी० रोड, कानपुर-209217

वेबसाइट: www.alimco.in

टेलीफोन : 0512-2770176, फैक्स: 0512-2770617

टोलफ्री नं. : 18001805129



खुली निविदा सूचना सं. पीटी/ओटी/04/एवी से पीटी/ओटी/07/एवी

नीचे दिए गए विवरण के अनुसार निम्नलिखित मदों की आपूर्ति हेतु प्रतिष्ठित निर्माताओं/आपूर्तिकर्ताओं/वेंडर्स से दो भागों (टेक्नीकल एवं प्राइस बिड) में ऑनलाइन निविदाएं आमंत्रित हैं:

क्र. सं.	निविदा सं.	मदों की श्रेणी	लगभग मूल्य (रु. में)	ईएमडी हेतु डीडी की राशि के साथ हो (रु. में)	निविदा खुलने की नियत तिथि (टीसी-बिड)
01	पीटी/ओटी/04/एवी	मैट्रोलोजी इक्विपमेंट्स	35,00,000/-	87,500/-	12.10.2017
02	पीटी/ओटी/05/एवी	मैज़रिंग इक्विपमेंट्स	13,30,000/-	33,500/-	12.10.2017
03	पीटी/ओटी/06/एवी	क्वालिटी इंस्ट्रूमेंट्स	7,02,199/-	निविदा के अनुसार	10.10.2017
04	पीटी/ओटी/07/एवी	डिजिटल स्प्रिट लेवल	6,55,200/-	16500/-	10.10.2017

इच्छुक निविदादाता एलिम्को की वेबसाइट www.alimco.in (केवल संदर्भ के लिए) अथवा सीपीपीपी वेबसाइट <https://eprocure.gov.in/eprocure/app> से निविदा दस्तावेज डाउनलोड कर सकते हैं। निविदा शुल्क रु. 560/- डिमांड ड्राफ्ट एलिम्को के पक्ष देय, कानपुर के रूप में जमा कराना होगा। सभी एसएसआई एमएसई विक्रेताओं को वैध पंजीकरण प्रमाण पत्र के जमा करने पर निविदा शुल्क से छूट प्राप्त है। निविदाकर्ताओं से अनुरोध है कि वे ई-टेंडरिंग प्रक्रिया के माध्यम से अपने प्रस्ताव/बिड <https://eprocure.gov.in/eprocure/app> पर जमा करें और निविदा शुल्क के विरुद्ध मूल डिमांड ड्राफ्ट एवं ईएमडी एलिम्को कार्यालय को जमा करने की निर्धारित तिथि को 1400 बजे तक भेजें जैसा की संबंधित निविदा में उल्लेखित है, जो कि खुलने की निर्धारित तिथि को 1530 बजे खोला जाएगा जैसा ऊपर दिया गया है। एलिम्को को किसी भी या सभी आवेदनों/प्रस्ताव को बिना कारण बताये निरस्त करने का अधिकार है।

ARTIFICIAL LIMBS MANUFACTURING CORPORATION OF INDIA

(A Govt. of India Undertaking)

G.T. Road, Kanpur-209217 Visit us: www.alimco.in

Phone-0512-2770176, Fax-0512-2770617

TOLL FREE NO. 18001805129



OPEN TENDER NOTICE NO. PT/OT/04/AV to PT/OT/07/AV

Online Bids (Technical & Price Bid) are invited from well established & reputed Manufacturers/Suppliers for supply of item as per details indicated below:

Sl. No	Tender No.	Category of Items	Approx. Value (in Rs.)	Amount of DD to Be enclosed towards EMD (in Rs.)	Due date of Opening of Tender (Technical-Bid)
1.	PT/OT/04/AV	Metrology Equipments	35,00,000/-	87,500/-	12.10.2017
2.	PT/OT/05/AV	Measuring Equipments	13,30,000/-	33,500/-	12.10.2017
3.	PT/OT/06/AV	Quality Instruments	7,02,199/-	As per tender	10.10.2017
4.	PT/OT/07/AV	Digital Spirit Level	6,55,200/-	16500/-	10.10.2017

Interested Tenderers may download the tender document from ALIMCO website www.alimco.in (for reference only) and CPPP website: <https://eprocure.gov.in/eprocure/app>. Tender Fee of Rs 560/- to be submitted in the form of Demand Draft in favour of ALIMCO, payable at Kanpur. All SSI/MSE vendors are exempted from tender fee on submission of valid registration certificate.

Tenderers are requested to submit their Offers/Bids through **E-Tendering Process** only on <https://eprocure.gov.in/eprocure/app> and send the Original Demand Draft against Tender fee and EMD to reach ALIMCO office latest by 1400hrs. on due date of submission as mentioned in respective tender which will be Opened at **1530 hrs.** on due date of opening as indicated above. ALIMCO reserves the right to reject any or all requests/Offer without assigning any reason.



ALIMCO

**Artificial Limbs Manufacturing
Corporation of India**
(A GOVERNMENT OF INDIA UNDERTAKING)
G.T. ROAD, KANPUR-U.P.
209217

TENDER NO. PT/OT/04/AV
DATE 13.06.2017

TENDER DOCUMENTS

FOR

“Metrology Equipments”
(On Turnkey Basis)

Dear Sir,

1. Online tenders are invited for the supply, installation & Commissioning of “**Metrology Equipments**” (On Turnkey Basis) to the following destination conforming strictly to ALIMCO Specifications enclosed at Annexure-A, against Purchase Orders to be placed on the successful Tenderer within specified period as per Purchase Order. The specific conditions of supply are enclosed at Annexure-D. **Manual bids shall not be accepted.**

Artificial Limbs Manufacturing Corporation of India
G.T. ROAD,
Kanpur-209217 (U.P.)

Qty – As per Annexure-A

2. The specification of “**Metrology Equipments**” and a tentative quantity likely to be covered by Purchase Order is indicated in the **ANNEXURE- ‘A’**. The machines/Equipment would be required to be supplied as per the delivery schedule specified in our Purchase Order or as indicated in the tender.

Sr. No.	Description	Qty.	Estimated Cost (in Rs.)	EMD (in Rs.)
1.	Metrology Equipments	As per Annexure-A (A1 to A9)	35,00,000/-	87,500/-

3. Tender documents may be downloaded from ALIMCO website www.alimco.in (for reference only) and CPPP website <https://eprocure.gov.in/eprocure/app> as per the schedule as given in CRITICAL DATE SHEET as under.

CRITICAL DATE SHEET

Published Date	16 th Sept. 2017 (10:00 AM)
Bid Document Download Start Date	16 th Sept. 2017 (10:00 AM)
Bid Submission Start Date	16 th Sept. 2017 (10:00 AM)
Bid Submission End Date	11 th Oct. 2017 (02:00 PM)
Bid Opening Date	12 th Oct. 2017 (3:30 PM)

Bids shall be submitted online only at CPPP website:
<https://eprocure.gov.in/eprocure/app>.

Tenderer/Contractors are advised to follow the instructions provided in the ‘Instructions to the Contractors/Tenderer for the e-submission of the bids online through the Central Public Procurement Portal for e Procurement at <https://eprocure.gov.in/eprocure/app> .

Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.

Part I ('TC' BID):

The tenderers are requested to submit the scan copy of following details/documents in their 'TC'-Bid.

Mandatory / Pre-Qualification Criteria):-

- i) Submit, scan copy of DD for Rs. 560/- (GST @12% Included) in favour of ALIMCO, payable at Kanpur towards cost of Tender documents, if down-loaded from the website of the Corporation/CPMP and original copy of the same should reach to the office of Senior Manager (SP&C) Department, Artificial Limbs Manufacturing Corporation of India, G. T. Road, Kanpur – 209 217 on or before date 11th Oct. 2017 as mentioned in critical date sheet (All SSI/MSE Vendor are exempted from Tender Cost on submission Valid Registration Certificate only).
- ii) **Earnest Money:** - Submit scan copy of Demand Draft or Pay Order or Bankers Cheque for Rs.87500/- in favour of **ALIMCO**, payable at **KANPUR** as Earnest Money Deposit along with 'TC' BID and original copy of the same should reach to the office of Senior Manager (SP&C) Department, Artificial Limbs Manufacturing Corporation of India, G. T. Road, Kanpur – 209217 on or before date 11th Oct. 2017 as mentioned in critical date sheet. Exemption from Earnest Money Deposit (EMD) will be allowed to vendor on submission of valid SSI/MSE registration with DGS&D or NSIC only against Tenders for the items/nature of business/type of services for which the Vendor has valid registration with these organisations.
- iii) The person signing the bid should be duly authorised representative of the firm/company whose signature should be verified and certificate of authority should be submitted. The poser or authorisation or any other document consisting of adequate proof of the ability of the signatory to bind the firm/company should be annexed to the bid.
- iv) Tender documents with proper seal and signature of authorised person on each page of the bid must be submitted.
- v) The Complete specifications, Make/Model/Brand of Machine/Item offered on parameters specified as per Annexure-A, must be mentioned. The details with values for individual specifications/parameters desired must be indicated at Annexure 'B2' to this tender document.
- vi) Copy of GST Registration Certificate, duly signed & stamped.
- vii) The tenderer should have an average annual turnover of not less than 30% of estimated cost during the last 03 financial years i.e. FY: 2013-14, 2014-15 & 2015-16. In order to authenticate, **a certificate regarding average turnover from a qualified Chartered Accountant is required to be furnished along with 'TC-Bid'**.
- viii) Copy of income tax return for the last three Assessment years, i.e. AY-2014-15, 2015-16 & 2016-17, duly signed & stamped.
- ix) Only the OEM / authorised distributors/ authorised dealers are allowed to bid for machine/equipment/items/stores mentioned in the tender document. The Authorisation letter from Principal/OEM must be enclosed.
- x) The tenderer must have completed similar supply orders/contracts/agreements minimum 03 nos. in last 05 years, or as specified at Annexure-A, ending July, 2017 Please enclose copy of such supply orders/contracts/agreements along with completion certificate of the same issued by the client.

Whatever be the number of supply/purchase orders submitted by the tenderer .the orders must indicate that the tenderer has supplied each individual item at least three times through separate supply orders in the last 5 years.

- xi) Undertaking stating that “The delivery, installation and commissioning of the machine/equipment/item/stores must be completed within the stipulated period as indicated in the tender or specified at Annexure-A, from the date of placement of PO/work contract” **in the format enclosed at Appendix-1.**
- xii) The tenderer should submit an undertaking that his/her firm has not been debarred/blacklisted/terminated/banned to participate in the tender by any Govt. Institution, PSUs, and State Govt. or Central Govt. Deptt. **In the format enclosed at Appendix-2.**
- xiii) The tenderer should submit an undertaking that his/her Offer is valid for acceptance for 90 days from the date of opening of TC Bids **in the format enclosed at Appendix-3.**
- xiv) Undertaking to the effect that all the tender terms & conditions are acceptable to the bidder **in the format enclosed at Appendix-4.**
- xv) Undertaking to the effect that a Performance Bank Guarantee (PBG) of 10% of the order value, valid for warranty period & claim submission date within 3 months from the date of expiry of Bank Guaranty/warranty period, will be submitted after the commissioning of the machine **in the format enclosed at Appendix-5.** The security deposit (including EMD) shall be released on receipt of 10% PBG valid for warranty period.
- xvi) The tenderer should submit an undertaking that his/her firm shall provide the complete training regarding operation & maintenance of the machine / equipment **in the format enclosed at Appendix-6.**
- xvii) The tenderer should submit an undertaking for unconditional acceptance to replace the supplies if rejected at the destination **in the format enclosed at Appendix-7.**
- xviii) Undertaking to be submitted by the tenderer that “They should undertake that they will execute AMC for the period of 03 years after the expiry of warranty period as per the requirement of ALIMCO” **in the format enclosed at Appendix-8.**
- xix) Undertaking to be submitted by the tenderer that ”In case of PDI (Pre-Dispatch Inspection) at party’s worksite, all the cost (Travelling via min. AC 2-tier Rail ticket/ Economy Air ticket, Fooding & Lodging etc. for three person’s max.) to be borne by the Tenderer /Party” **in the format enclosed at Appendix-9.**
- xx) Undertaking to be submitted by the tenderer that “payment terms mentioned at Para No-15 of this tender document (i.e. Terms of Payment) is acceptable” **in the format enclosed at Appendix-10.**
- xxi) Tenderers are required to submit “**Tender Acceptance Letter**” in the format enclosed at **Appendix-11.**
- xxii) Tenderers are required to submit duly filled **Annexure ‘B1 & B2’**, enclosed herewith.
- xxiii) Offer/Bid will be considered only of those tenderer offering quotes/rates for all the items as indicated in P-Bid format. If the tenderer has not quoted for each individual item, the offer will not be considered.
- xxiv) An affidavit to be sought from L1 party regarding:
 - a) ` The party has not been debarred/blacklisted/terminated/banned by any Govt. Institution, PSUs, and State Govt. or Central Govt. Deptt.
 - b) The party has not supplied the similar machines /systems at a cost lower than the cost offered to ALIMCO to any government / semi-government / reputed private organisation in India.

(All these documents / details / conformation should necessarily be submitted specifically & in the same order.)

NOTE:

- i) Price bids of only those tenderers, who are assessed as technically qualified by the Corporation shall be opened & only Such parties shall be communicated regarding date & time of Price Bid opening requesting them to attend the Tender opening, if interested.

Part II ('P'BID): shall consist of complete price details as under: -

P Bid offer shall be upload online. Rate should be quoted in Rupee per unit **as per format at Annexure-C (P-bid)**.Rate should be quoted for FREE DELIVERY at destination as indicated in Para 1 & should be without any price escalation clause. The following data shall be invariably furnished: -

- a) GSTIN No., HSN Code, GST, applicable in % & Rs.
- b) Packing & Forwarding charges, Installation charges, if any, in % & Rs.
- c) Freight charges in % & Rs. at FOR ALIMCO.
- d) Charges for installation and commissioning (with prove out of components), if any may please be clearly indicated. Alternatively, rates quoted shall be considered to be inclusive of installation & commissioning charges.

THIS BREAKUP IS ESSENTIAL TO ENABLE PLACEMENT OF THE PURCHASE ORDERS AND PAYMENTS BY H.Q./AAPC's AS THE CASE MAY BE AND KEEPING IN VIEW APPLICABILITY OF GST BY THE GOVERNMENT PROPOSED TO BE IMPLIMENTED w.e.f. 1st July 2017

The L1 offer will be decided based on landed cost at FOR ALIMCO (destination as indicated in para-1).

NOTE: ALIMCO GST Tax Registration details are given below.

	HQ., Kanpur	AAPC, Jabalpur	AAPC, Bangalore	AAPC, Bhubaneswar
GST Regd. No.	09AABCA8899F1Z6			

Variation Clause: - Any change (Increase / Decrease) in Govt. Duties / Levies / Taxes GST as amended made applicable by Govt. (State / Central) from time to time at the rate as will be applicable over & above the basic price/rate quoted by parties in their offer during the currency of Purchase Order/Contract shall be considered by the Corporation for amendment on party's request alongwith necessary documents in support of their claim/amendment.

4. **SITE INSPECTION** : The tenderers shall be deemed to have inspected and examined the site and its Surrounding and information available in connection therewith and to have satisfied himself, so far as is practicable, before submitting his tender, to the extent and nature of work and materials Necessary for completion of works, availability of such materials, the means of access to the site and the accommodation that he may require and, in general, shall be deemed to have obtained all necessary information.
5. All the bids so received against the tender shall be scrutinized and assessed for Machine suitability offered by you. Offers of only those tenderers whose bids are found conforming to laid-down specifications and qualifying our requirements shall be considered. Quotes with any variation in the specifications affecting functions of the machine as specified are liable for outright rejection. Tenderers are therefore requested not to quote for nonconforming specifications Machines/Equipment's as an alternative one or two otherwise, for which tenders are liable for rejection. Each value as specified is to be mentioned in tenders and words "as specified" or "same" shall not be considered valid at all.

6. No change in specifications by tenderers shall be permissible after submission of Technical Bids.

7. **EARNEST MONEY DEPOSIT& SECURITY DEPOSIT:**

All the Tenderer must submit Rupees 87,500/- by **Demand Draft** or **Pay Order** or **Bankers Cheque** only in favour of **ALIMCO**, payable at **KANPUR** as **Earnest Money Deposit (EMD)** along with 'TC' BID. No other mode is acceptable. The EMD shall be released within 30 days of finalization of the purchase orders to the unsuccessful tenderers. No interest will be payable on the EMD.

All SSI/Micro & Small Enterprises (MSE) will be issued Tender Documents free of Cost & are exempted from Tender Cost on submission of valid registration certificate. However, SSI/MSE Units registered with NSIC or DGS&D for the Category of items/ nature of business/ type of service as against this tender and in case they have valid registration certificate issued by NSIC or DGS&D, will only be exempted from payment of EMD. A certified copy of the valid registration with NSIC or DGS&D shall be furnished by the Tenderer. If the registration is for the category of Item other than what has been tendered by the Corporation, the exemption from EMD will not be allowed/admissible.

The earnest money shall be forfeited if the tenderer withdraws his tender before the period of validity of the tender (i.e. minimum 90 days) and / or tenderers fails to furnish requisite security deposit within the specified period after the award of order/contract wherever applicable.

Subsequent to placement of Order / Contract, the successful tenderer will be required to deposit a sum equal to 10% of the Order/ Contract value subject to a maximum of Rs. 100.00 lakh, within 30 days from the date of purchase order as **Security Deposit (SD)** in the form of 'Demand Draft' or 'Pay Order' or 'Bankers Cheque' or 'Irrevocable Bank Guarantee for the amount including interest from any of Nationalized Bank in the prescribed format enclosed at **Annexure-E** only in favour of **ALIMCO** payable at **Kanpur** for due discharge of the Purchase Order released on the basis of this tender. This will be retained till the expiry of warranty Period for the Item/stores/machine/material supplied. No interest will be payable on the Security Deposit. The earnest money already submitted with the tender may be adjusted towards Security Deposit. The Earnest Money deposit of the successful bidder will be returned / refundable only on receipt of valid & acceptable Security deposit. The successful vendor may also give their consent/request for retaining/converting their EMD into part of Security deposit & deposit the balance amount towards SD.

The Security deposit may be refunded/returned on submission of irrevocable, unconditional & acceptable Bank guarantee as performance guarantee by the party to cover its obligations to offer free of cost replacement under the warranty period from any nationalized bank. The corporation may also consider, at its discretion, acceptance of Corporate Guarantee given by Foreign Principal In lieu of Bank Guarantee in case of imported goods.

Security deposit shall be furnished within the time limit provided for in the Contract. Non submission of Security deposit within the time specified for the purpose shall amount to the breach of essential conditions of the Contract and shall render the Contract liable to cancellation& the contractor shall be liable for all consequence thereof or caused there by.

After Satisfactory installation and commissioning of the machine and on receipt of Performance Bank Guarantee equal to 10% of the PO/work contract Value, valid for the warranty period, the Security deposit amount (including of EMD) shall be released by ALIMCO.

The Corporation reserves the right to forfeit the earnest/security money deposit in case the supplier fails to make good losses on supplies, unable to replace supplies found unacceptable as well as losses on account of exceptional delays in supplies.

8. Submission of Tender

The tender shall be submitted online in two part, viz., technical bid and price bid

Technical Bid

The following documents are to be furnished by the tenderer along with Technical Bid as per the tender document

- 1) Scanned copy of DD against tender document cost & EMD / Exemption Certificate.
- 2) Scanned copy of all relevant documents as per Tender.
- 3) Original Copy of DD against Tender Fee and EMD must reach ALIMCO Kanpur on or before Date 11th Oct. 2017 as mentioned in critical date sheet

Please note that no indication of the rates/amounts be made in any of the documents submitted with the TC-BID

PRICE BID

- (a) Schedule of price bid in the form of Annexure-C

9. **OPENING & EVALUATION OF TENDER:**

- a) The tenders shall be opened online at <https://eprocure.gov.in/eprocure/app> at 15.30 hours on due date in presence of representatives of tenderers who may like to be present. Bidder can view live bid opening at their remote end also. Bids will be opened as per date/time as mentioned in the Tender Critical Date Sheet. After online opening of Technical-Bid the results of their qualification as well Price-Bid opening will be intimated latter.
- b) Only the 'TC-Bid' (Part I) of the tender will be opened online on **12th Oct. 2017 at 15.30 Hrs.** by the Tender Opening Committee of ALIMCO in the presence of representatives of tenderers who may like to be present. **Tenders received late will not be considered. If the due date happens to be a holiday the same stands extended to the date of next working day with time remaining the same. However, the Corporation has the right to alter the date & time of Tender closing & opening. The same shall be notified only on the website of the Corporation.**The procedure will be as follows:
- c) Subsequent to opening of 'TC-BID' of all tenderers correspondence / discussion with regard to the conditions and other technical aspects may be held by the Technical Committee or by Officer(s) nominated by ALIMCO, if needed
- d) In case any tenderer submit only 'TC-BID' his tender shall not be considered and shall be treated as incomplete tender. Similarly, if any tenderer submit only 'P-BID', the same shall also be not considered.
- e) The technical bids will be evaluated to shortlist the eligible bidders. The technical bids of only the eligible bidders shall be considered for further processing (technical evaluation). Preliminary scrutiny of the proposal will be made to determine whether they are complete, required processing tender fee and EMD have been furnished whether the documents have been properly signed, and whether the bids are generally in order. Proposals not conforming to such preliminary requirements will be prima facie rejected.
- f) The ALIMCO has a right to seek clarification/ documents from the tenderer relating to TC-Bid of tenderers if such information is essential for evaluation of tender.

- g) Bidder whose technical bid is found to be acceptable and meeting the Mandatory /Pre-qualification criteria as specified in this tender will only be informed about the date and time of the opening of the commercial bid (P-Bid).
- h) ALIMCO will open commercial bids of only the technically shortlisted bids, in the presence of the bidder or their authorised representative who choose to attend the bid opening, at the time and date to be informed later.
- i) Commercial bids of only those bidders will be opened who are found to be technically qualified & acceptable and the work shall be awarded to the commercially lowest bidder. The comparative statement of quotations (CSQ) of the P-bid will be prepared on FOR ALIMCO (as per defined destination in Para 1) and evaluated on the basis of complete price FOR ALIMCO (as per defined destination in Para 1) of the machine including basic price, packing & forwarding, freight, taxes, installation & commissioning charges, etc.

10. REJECTION OF TENDER:

- a) Tenders received without EMD are liable to be rejected as also indicated at Para 7
- b) Conditional and unsigned tenders, tenders containing absurd or unworkable rates and amounts, tenders which are incomplete or otherwise considered defective and tenders not in accordance with the tender conditions, drawings/specifications etc. are liable to be rejected.
- c) Canvassing in any form in connection with the tender is strictly prohibited and the tenders submitted by the party who resort to canvassing are liable to be rejected.
- d) The acceptance of tender will rest with ALIMCO which does not bind itself to accept the lowest tender or any tender and reserves full rights for the rejection of any or all tenders without assigning any reasons whatsoever.

11. VALIDITY OF TENDER:

- a) The tenders shall remain open for acceptance for a minimum period validity of 90 days from, the date of opening of tenders or till such period up to which the extension of validity is agreed to mutually. This may please be stipulated clearly in the Quotation.
- b) If notified within this period that the tender has been accepted, the tenderer shall be bound by the terms of the offer along with the terms that have been agreed mutually.
- c) All the tenders without PROPER SPECIFICATION / MAKE / BRAND / BROCHURE / LEAFLET & TEST CERTIFICATES wherever required, are liable to be rejected. It shall be in the interest of the tenderer that complete offer is made for our consideration. It will be in the interest of the tenderer to submit details as mentioned at Annexure 'B' and sample wherever possible along with the offer.
- d) In case the tenderer happens to be dealer/distributor for any reputed brand the validity certificate to this effect duly certified from the principal should invariably be provided.

12. QUANTITY DISCOUNT:

In order to submit the most competitive offer, the Tenderer may indicate the quantity discounts as applicable on the price. However, the buyer reserves the right to accept the quantity discounts for lower quantities as well. The quantities indicated in the Annexure 'A' are liable to revision either upwards or downwards.

13. DELIVERY:

- a) The delivery, installation and commissioning (with prove out of components) of the machine must be completed within the stipulated period specified at Annexure-A, from the date of placement/acceptance of PO/ work contract.
- b) The delivery of the stores / equipment shall be made strictly as per delivery schedule as stipulated in our Purchase Order/Work Contract or modified time to time by ALIMCO. Failure to supply, install & commission within the stipulated period will make the tenderers liable to an unconditional penalty of ½ % of our Purchase order / Work Contract value per week subject to a maximum limit of 10% value of our Purchase Order/Work Contract.

14. INSPECTION:

- a) Inspection will be carried out at the Destination (refer Para 1) and unacceptable/ rejected machine/equipment/stores will be returned to the supplier through bank at the supplier's risk and cost by road, only after receipt and acceptance of replacement supplies provided by the suppliers free of cost. Alternatively, all the tenderer will have to furnish their Banker's Name, Address including Code No. along with a declaration/undertaking to guarantee collection of the returned supplies documents negotiated through their bank within 07 days of its presentation.
- b) In case of local supplier, rejected machine/equipment/stores shall be lifted from our stores within 15 days of our rejection advice after refunding the payment, if already made to them before collecting the supply. In case of failure to lift the rejected machine/equipment/stores, we may dispose-off the rejected machine/equipment/stores as deemed fit and no claim whatsoever shall be entertained in this respect and the tenderer shall be liable to pay amount paid by ALIMCO, if any.

15. TERMS OF PAYMENT:

ALIMCO is a Schedule 'C' Mini Ratna Category II Central Public Sector Enterprises, registered under Section 8 (Not for Profit motive) of the Companies Act, 2013, (corresponding to Section 25 of the Companies Act, 1956). The terms of payment shall be as follows:

- a) 80% payment shall be released within 30 days after receipt and acceptance of the machine / equipment /stores at destination as specified in Para 1 without any damage/short supplies and balance 20% payment shall be released within 30 days after installation & commissioning of the equipment subject to receipt of performance guarantee from a nationalized bank equal to 10% of the PO/work contract Value, valid for the warranty period & claim submission date within 3 month from the date of expiry of Bank Guaranty/warranty period.
- b) However, in case of outstation suppliers who are willing to supply the material through bank, 80% payment can be made on shipment against dispatch documents subject to acceptance of equipment through pre-dispatch inspection by ALIMCO at party's end. In such cases the supplier is required to get the pre-dispatch inspection conducted by corporation representative to the satisfaction of ALIMCO. Balance 20% payment shall be released within 30 days after receipt of material without any shortage/damage and satisfactory installation and commissioning subject to receipt of Performance Bank Guarantee equal to 10% of the PO/work contract value, valid for the warranty period & claim submission date within 3 month from the date of expiry of Bank Guaranty/warranty period.
- c) In case of PDI at party's worksite, all the cost (Travelling, Fooding & Lodging etc.) to be borne by the Tenderer/Party. Going for PDI is at sole discretion of ALIMCO, tenderer to inform the tentative dates for PDI at their work with all the arrangements of travelling, fooding & lodging etc.
- d) Supplier's Bank Charges/Draft making charges will have to be borne by the party only.

- e) The tenderer will be required to submit their RTGS details duly certified by the Bank along with a crossed/cancelled Cheque in support of the details, as all payments/refunds are preferably be made through RTGS.

16. RIGHT OF ACCEPTANCE:

ALIMCO reserves the right to reject any or all the tenders in part or full without assigning any reasons thereof. The Corporation also reserves the right to negotiate the rates and terms and conditions of supply with any or all the tenderers at its sole discretion as deemed fit without assigning any reasons thereof.

ARBITRATION

In case of any dispute, arising during the operation of the contract, efforts shall be made to resolve it by mutual discussions failing which the matter shall be referred to the Chairman & Managing Director of ALIMCO G.T. Road, Kanpur-209217 or his nominee whose decision shall be final and binding on both the parties. Arbitration proceedings shall be held at Kanpur as per provisions of the Arbitration & Conciliation Act 1996 and the Kanpur City Court shall have the jurisdiction in the matter.

Thanking you,

Yours faithfully,
for Artificial Limbs Mfg. Corporation of India

Senior Manager (SP&C)

Encl: As Above

“Metrology Equipments”

Item No. A1: “DIGITAL UNIVERSAL TESTING MACHINE” Qty. – 01 Set

Code No. _____

SPECIFICATIONS:

S. No.	Description of requirement	Required
	<p>a) The machine can test of tension, compression, elongation, tearing, breakage, shearing/torsion of material.</p> <p>b) The function of yield point elasticity modulus, young modulus are also available.</p> <p>c) Control Unit:</p> <p>1) Overload protection machine and upper and lower limit which micro inching device.</p> <p>2) Automatic end points: the tester stop automatically while specimen breaks emergency shutdown button overload protection (auto stop) function equipped and return to the specified position automatically.</p> <p>3) Max. Capacity protection to protect the computer system and prevent load cell from being over the safety capacity, it can be set in different safety capacity. While the upper liver reaches the setting capacity, the tester stops automatically to protect load cell and motor.</p>	Confirm
	Technical Specification	
1	Capacity	20 Ton
2	Test Speed	
2.1	Minimum test speed	0.01 mm/min.
2.2	Maximum test speed	500 mm/min.
2.3	Full & return speeds	Compatible with above speed
2.4	Maximum force at full speed	Compatible with full speed
2.5	Transmission	Hydraulic Type
2.6	Accessories	Load cell capacity 5 ton, 10 ton and 20 ton or suitable to design
2.7	Resolution	1/200000Kg
2.8	Accuracy	+_- 0.5 %
3	Dimensions and features of cross heads of UTM	
3.1	Width	Minimum 1000 mm
3.2	Depth	Minimum 500 mm
3.3	Height	Minimum 1500 mm
3.4	Total crosshead travel	Minimum 1100 mm
3.5	Total vertical test space	Minimum 1100 mm
4	Frame Stiffness	Medium or Higher
5	Data Acquisition	As per ASTM E 1856
6	Mechanical test to be carried on UTM	
6.1	Tensile Test	Must be to performed all mentioned test
6.2	Compressive Test	
6.3	Adhesion Test	
6.4	Ductility Test	
6.5	Fatigue/Cyclic Test	
6.6	Flexure / Bending	
6.7	Shear/Torsion Test	

7	Operational Condition	
7.1	Test Temperature	Room Temperature
7.2	Test Humidity	Normal
8	Display/User interface	Digital Readout/Interface
8.1	Video/Graphic Display	Vender to confirm.
8.2	Computer Interface	Must be there (Via USB or Ethernet)
8.3	Application Software (Controlled by PC)	Must be supply (Suitable and should be compatible with OS)
9	Strain Measurement System	Industry Standards that should be followed and their document Grade/Class Range limits
9.1	ASTM E 83 BS 3846 A ISO 9513	Must follow any of mentioned standards
9.2	Accuracy	~ 0.5 μm or better
9.3	Repeatability	~0.25 μm or better
9.4	Discrimination / Resolution	0.0004% of Range
10	Force measurement System	
10.1	Accuracy	~ \pm the larger of 0.5 % of reading or 0.01 % of capacity
10.2	Repeatability	~+ $_$ the larger of 0.25 % of reading or 0.005 % of capacity
10.3	Industry standard that should be followed	
	ASTM E4	Must follow one of the mentioned standard
	BS 1610	
	DIN 51221	
	ISO 7500	
11	Load frame & drive system specification	~+ $_$ 0.25mm (0.01 in.) maximum over full
11.1	Lateral Motion	Crosshead Travel
11.2	Speed accuracy	~+ $_$ 0.1% or better of set speed for all forces within the capacity of the machine
11.3	Position Resolution	~ 0.6 μm (25 micro inches)or better
11.4	Position accuracy	The greater of 0.025 mm (0.001in.)or 0.025% of movement
12	Measuring Units	
12.1	Micrometer type	Reading to 0.001 mm (0.00005 in)
12.2	Caliper type	Reading to 0.01mm (0.0005 in)
12.3	Dial Indicator type	Reading to 0.025,0.0025 or 0.00025 mm

		(0.001,0.0001 or 0.00001 in)
13	Standard to be followed	Must follow one of the mentioned standard relating to UTM and testing of materials
13.1	ASTME4- Practice for Force verification of testing machine	
13.2	ASTM E74- Practice for calibration of Force measuring instrument for verifying the force indication of Testing machine	
13.3	ASTM E83- Practice for verification and classification on extensometer systems	
13.4	ASTM E E1012- Practice for verification of test frame and specimen alignment under tensile and compressive Axial force application	
13.5	ASTM E1856- Standard guide for evaluating computerized data acquisition systems used to acquire data from Universal Testing Machines	
13.6	ASTM D882	
13.7	ASTM D1938	
13.8	ASTM D3330	
13.9	ASTM F904	
13.10	ASTM D952	
13.11	ASTM E143	
13.12	ASTM E190	
13.13	ASTM E 9	
14	Transmission	Hydraulic Type
15	Should be suitable for mechanical testing of following material	
15.1	Tension Grip	Grip for rod, grip for plate
15.2	Compression Grip	Bending grip
15.3	Stainless Steel	
15.3.1	Modified Stainless Steel such as SS 316, SS 316 LN	Must follow one of the mentioned standard relating to UTM and testing of materials
15.4	Polymer such as FRP, Polyamides, Epoxy esters	Confirm
15.5	Different Metals such as Copper, Aluminum Alloys etc.	Confirm
16	Documentation	
16.1	Detailed layout plan and prospect to be given	Each Documents 3 sets of hard copy and 1 set of soft copy along with delivery
16.2	Operating instruction	
16.3	Installation and Commissioning instruction	
16.4	Quality Test records	
16.5	Maintenance / repair charts	
16.6	Preventive maintenance instructions	
16.7	Requirement/recommendation for power supply controlled stabilizing has to be given	
16.8	Lifting instruction mentioned in packing list	
17	Installation and Commissioning	
17.1	The complete installation and commissioning must be carried out by the supplier at the project (at the final destination/premises). Certificate of acceptance is to be signed by customer and supplier. Machine calibration report to be submitted.	Confirm
18	Training at installation place	
18.1	Operator training	2 days
18.2	Maintenance course (mechanical, electrical and electronic)	2 days
18.3	Detailed invoice and packing list of all items and devices and detailed prospect of Table and all other accessories enclosed in respective boxes	Confirm
19	Vender shall define list of spares and submit for record.	
20	Comprehensive accessories detail required to maintain proper operating condition	

21	Warranty	Min 24 months
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Item No. A2: “Digital Fabric Tensile Testing Machine.” Qty. – 01Set

Code No. _____

SPECIFICATIONS:

<u>Sr. No.</u>	<u>Description of requirement</u>	<u>Required</u>
	Digital tensile strength tester or fabric strength tester work in forward and reverse direction and desired. It is based on the constant rates of traverse (CRT) Principle. The sample is held between two jaws the upper jaws is stationary, while the other is made to move at a known fixed speed, with the help of the branded motor and electrical with CE standard wiring Gear Box and special case hardened lead screw arrangement ensure frictionless durability. The load exerted on the stationary jaw is sensed by a sensor connected with load cell, which indicated the load in digital forms in kgs. Tensile strength tester is used to determine breaking force of any fabric, yarn lea, HDPE bag, Board, Cable, Plastic Sheet and wire. The reading directly come kgf (Kilogram force). Elongation of material is also measured by digital counter.	Confirm
	Technical Specification	
1	Capacity of Tester	1 kg to 500 kg.
2	Traverse Speed	Minimum 100 mm/min.
3	Min. Grip Separation	25 mm
4	Max. Grip Separation	1000 mm
5	Related standard	ASTM D434, ASTM D1578, ASTM D 5034, ASTMD 5035,BS 1610, BSEN 1002-3, DIN 51221
6	S Type load cell Fixed with Top Grip.	Confirm
7	Top Grip is Fixed and Bottom Grip is Movable Type.	Confirm
8	Elongation measurement by Steel Scale and Digital Counter Meter Both.	Confirm
9	Digital Display of Load and Elongation.	Confirm
10	Peak value of last test can be read.	Confirm
11	User friendly key panel with switch of Zero setting and value peak value of last test.	Confirm
12	Documentation	
12.1	Detailed layout plan and prospect to be given	Each Documents 3 sets of hard copy and 1 set of soft copy along with delivery
12.2	Operating instruction	
12.3	Installation and Commissioning instruction	
12.4	Quality Test records	
12.5	Maintenance / repair charts	
12.6	Preventive maintenance instructions	
12.7	Requirement/recommendation for power supply controlled stabilizing has to be given	
12.8	Lifting instruction mentioned in packing list	
13	Installation and Commissioning	
13.1	The complete installation and commissioning must be carried out by the supplier at the project (at the final	Confirm

	destination/premises). Certificate of acceptance is to be signed by customer and supplier.	
14	Training at installation place	
14.1	Operator training	2 days
14.2	Maintenance course(mechanical, electrical and electronic)	2 days
14.3	Detailed invoice and packing list of all items and devices and all other accessories enclosed in respective boxes	
15	Warranty	Min 24 months

Item No. A3 “Digital Spring Testing Machine” Qty. – 01 Set

Code No. _____

SPECIFICATIONS:

<u>Sr. No.</u>	<u>Description of requirement</u>	<u>Required</u>
1	Capacity of Tester	50 kg.
2	Minimum capacity	0.01 kg.
3	Free length of tension spring	150mm (approx.)
4	Diameter of compression spring	10mm to 100 mm
5	Maximum Cross Head Travel	100 mm(approx.)
6	Force Measuring Resolution	1 gm.
7	Display	(i)digital display of force (ii) digital display at displacement
8	Accessories of tension assembly, Graduation scale.	set of ground MS plate, set hooks, encoder meter
9	Documentation	
9.1	Detailed layout plan and prospect to be given	
9.2	Operating instruction	Each Documents 3 sets of hard copy and 1 set of soft copy along with delivery
9.3	Installation and Commissioning instruction	
9.4	Quality Test records	
9.5	Maintenance / repair charts	
9.6	Preventive maintenance instructions	
9.7	Requirement/recommendation for power supply controlled stabilizing has to be given	Each Documents 3 sets of hard copy and 1 set of soft copy along with delivery
9.8	Lifting instruction mentioned in packing list	
10	Installation and Commissioning	
10.1	The complete installation and commissioning must be carried out by the supplier at the project (at the final destination/premises). Certificate of acceptance is to be signed by customer and supplier. Vendor to submit calibration report.	Confirm
11	Training at installation place	
11.1	Operator training	2 days
11.2	Maintenance course (mechanical, electrical and electronic)	2 days
11.3	Detailed invoice and packing list of all items and all other accessories enclosed in respective boxes	Confirm
12	Warranty	Min 24 months

Item No. A4 Digital Hardness Tester Shore “A” Qty. – 02 Set

Code No. _____

SPECIFICATIONS:

Sr. No.	Description of requirement	Required
1	Digital Durometers are suitable for testing the nature of the following materials Natural rubber, neoprene , Polyester, PVC, leather, Thiokol, Nit rile rubber Wax, Vinyl, Cellulose acetates, Glass polystyrene etc.	Confirm
2	The digital durometers are designed in accordance with the ASTM D 2240 , ISO7619, DIN 53 505, JIS K 6253 and JIS K 7215 specification	Confirm
3	The digital durometers is provided with data hold function, permitting the operator to make an error free reading on the Digital screen	Confirm
	Technical Specification	
1	Scale	Shore “A”
2	Applications	Soft elastomers, soft rubber etc.
3	Min reading	0.5 or better
4	Measuring Range	0-100
5	Type	Compact
6	Function	data hold, Zero – set, SPC data output, Power on/off
7	Comprehensive accessories detail required to maintain proper operating condition	Confirm
8	Break down calls to be attended with in 48 hours	Confirm
9	Documentation	
9.1	Detailed layout plan and prospect to be given	Each Documents 3 sets of hard copy and 1 set of soft copy along with delivery
9.2	Operating instruction	
9.3	Installation and Commissioning instruction	
9.4	Quality Test records	
9.5	Maintenance / repair charts	
9.6	Preventive maintenance instructions	
9.7	Requirement/recommendation for power supply controlled stabilizing has to be given	
9.8	Lifting instruction mentioned in packing list	
10	Installation and Commissioning	
10.1	The complete installation and commissioning must be carried out by the supplier at the project (at the final destination/premises). Certificate of acceptance is to be signed by customer and supplier.	Confirm
11	Training at installation place	
11.1	Operator training	2 days
11.2	Maintenance course mechanical, electrical and electronic	2 days
11.3	Detailed invoice and packing list of all items and devices and detailed prospect of Table and all other accessories enclosed in respective boxes	Confirm
12	Warranty	Min 24 months

Item No. A5 Digital Hardness Tester Shore "D" Qty. – 02 Set
 Code No. _____

SPECIFICATIONS:

Sr.No.	Description of requirement	Required
1	Digital duro meters are suitable for testing the nature of the following materials Natural rubber, neoprene , Polyester, PVC, leather, Thiokol, Nit rile rubber , Wax, Vinyl, Cellulose acetates, Glass polystyrene etc.	Confirm
2	The digital durometers are designed in accordance with the ASTM D 2240 , ISO 868, ISO7619, DIN 53 505, JIS K 6253 and JIS K 7215 specification	Confirm
3	The digital durometers is provided with data hold function, permitting the operator to make an error free reading on the Digital screen	Confirm
	Technical specifications	
1	Scale	Shore "D"
2	Applications	Hard elastomers, plastics, hard rubber, ebonite etc.
3	Min reading	0.5
4	Measuring Range	0-100
5	Type	Compact
6	Function	data hold, Zero – set, SPC data output, Power on/off
7	Vendor shall define list of spares and submit for record if any.	Confirm
8	Comprehensive accessories detail required to maintain proper operating condition	Confirm
9	Vendor should agree for 3 year comprehensive one side AMC, after warranty period.	Confirm
10	Break down calls to be attended within 48 hours	Confirm
12	Documentation	
12.1	Detailed layout plan and prospect to be given	Each Documents 3 sets of hard copy and 1 set of soft copy along with delivery
12.2	Operating instruction	
12.3	Installation and Commissioning instruction	
12.4	Quality Test records	
12.5	Maintenance / repair charts	
12.6	Preventive maintenance instructions	
12.7	Requirement/recommendation for power supply controlled stabilizing has to be given	
12.8	Lifting instruction mentioned in packing list	
13	Installation and Commissioning	
13.1	The complete installation and commissioning must be carried out by the supplier at the project (at the final destination/premises). Certificate of acceptance is to be signed by customer and supplier.	Confirm
14	Training at installation place	
14.1	Operator training	2 days
14.2	Maintenance course (mechanical, electrical and electronic)	2 days
14.3	Detailed invoice and packing list of all items all other accessories enclosed in respective boxes	Confirm
15	Warranty	Min 24 months

Item No. A6: “Granite Surface Plate (Black)” Qty. – 02 Set

Code No. _____

SPECIFICATIONS:

Sr.No.	Description of requirement	Required
1	Low coefficient of expansion and thermal Stability	Confirm
2	Water absorption and porosity is low and hence long Term dimensional stability is good.	Confirm
3	Flexure strength, Compressive strength, Modulus of rupture and tensile stress	Confirm
4	Totally corrosion free, granite does not rust nor corrode or react chemically with other substances	Confirm
5	Non magnetic and non conductive. Non reflective matt finish	Confirm
6	High flatness accuracy. Insensitive to mechanical over loading	Confirm
7	All Calibration equipment is to national and international laboratories standards. Hand lapped for maximum accuracy	Confirm
	Technical specification	
1	Size	2000x1000mm.
2	Thickness	150mm Approx.
3	Grade	'0'
4	Flatness	0.007 mm
5	Accessories	
5.1	The instruments shall be supplied with optional accessories, attachments	Vendor to ensure “Stand for mounting the surface plate”
6	Documentation	
6.1	Detailed layout plan and prospect to be given	Each Documents 3 sets of hard copy and 1 set of soft copy along with delivery
6.2	Operating instruction	
6.3	Quality Test records	
6.4	Maintenance / repair charts	
6.5	Preventive maintenance instructions	
6.6	Lifting instruction mentioned in packing list	
7	Installation and Commissioning	
7.1	The complete installation and commissioning must be carried out by the supplier at the project (at the final destination/premises). Certificate of acceptance is to be signed by customer and supplier.	Confirm
8	Training at installation place	
8.1	Operator training	2 days
8.2	Maintenance course (mechanical, electrical and electronic)	2 days
8.3	Detailed invoice and packing list of all items all other accessories enclosed in respective boxes	Confirm
9	Warranty	Min 24 months

Item No. A7: “Digital Vickers Hardness Testing Machine” Qty. – 01 Set

Code No. _____

SPECIFICATIONS:

<u>Sr.No.</u>	<u>Description of requirement</u>	<u>Required</u>
	a) These machines are suitable for checking Vickers hardness of steel and other metals. b)Hardness tester of Vicker series are designed and manufacture for very high accuracy, ease of operation , reliability and long term stability c) Fully/semi computerized (PC based)/ automatic machine, Direct and accurate measurement of Vickers hardness number. d)High accuracy and repeatability of measurement at all loads , with LCD digital display	Confirm
	Technical Specification	
1	Measuring range	1HV – 4000 HV
2	Test Force	10g,25g,50g,100g,200g,300g,500g,1000g
3	Hardness value shown on	Digital display
4	Magnification	100X, 400X or better
5	Loading Mode	Fully Automatic
6	Sweep of machine frame (mm)	150 approx
7	Max. Test Height(mm)	250 approx
8	Load Accuracy	+_1% of nominal load value
9	Automatic mode	Fully/Semi automatic mode
10	XY Table	100X100 mm Min.
11	Scale least count(mm)	0.001
12	Throat depth(mm)	135
13	Machine Dimension (Approx.)mm	L 585 x W 290 x H 860
14	Weight (Approx.)	70 kg.
15	Power Supply	220VAC, 50Hz, 1Phase
16	Accessories	
16.1	V table for specimen	Comprehensive accessories detail required to maintain proper operating condition
16.2	Vickers diamond indentation	
16.3	Vickers hardness test plate	
16.4	Electrical cord	
16.5	Vickers Hardness test Block	
17	Break down calls to be attended within 48 hours	Confirm

18	Documentation	
18.1	Detailed layout plan and prospect to be given	Each Documents 3 sets of hard copy and 1 set of soft copy along with delivery
18.2	Operating instruction	Confirm
18.3	Installation and Commissioning instruction	
18.4	Quality Test records	
18.5	Maintenance / repair charts	
18.6	Preventive maintenance instructions	
18.7	Requirement/recommendation for power supply controlled stabilizing has to be given	
18.8	Lifting instruction mentioned in packing list	
19	Installation and Commissioning	
19.1	The complete installation and commissioning must be carried out by the supplier at the project (at the final destination/premises). Certificate of acceptance is to be signed by customer and supplier.	Confirm
20	Training at installation place	
20.1	Operator training	2 days
20.2	Maintenance course (mechanical, electrical and electronic)	2 days
20.3	Detailed invoice and packing list of all items and all other accessories enclosed in respective boxes	Confirm
21	Warranty	Min 24 months

Item No. A8: “Digital Brinell Hardness Testing Machine” Qty. – 01 Set

Code No. _____

SPECIFICATIONS:

Sr.No.	Description of requirement	Required
	<p>a)These machine are suitable for checking Brinell Hardness of steel and other metals.</p> <p>b)Fully computerized (PC Based)/automatic machine , Direct and accurate measurement of Brinell hardness Number.</p> <p>c) The measurement of Diagonal/diameters of indentation is done with the help of the built-in optical system graduated readout With micrometer. After taking the indentation image Appears on the focusing screen fitted in the front of the machine.</p> <p>d) High accuracy and repeatability of Measurement at all loads.</p>	Confirm
1	Measuring Range	0-3.2 mm/0-1.6 mm/0-0.8 mm
2	Load Range	250 to 3000 kgf
3	Initial Load	Nil
4	Max Test Height	380 mm
5	Sweep of machine frame	200 mm
6	Load accuracy	+_ 1 % as per IS:2281-2005
7	Automatic mode	Fully/Semi-automatic mode
8	Connected Load	3 phase AC,440 V , 50 Hz
9	Dwell Timer	1 to 99 sec.
10	Depth of Throat	200 mm
11	Max depth of Elevating screw below base	180 mm
12	Size of Base	370 mm x 670 mm
13	Machine Height	1185 mm
14	Net Weight (approx.)	500 kg
15	Drive Motor	0.5 - 415 V/p HP
16	Accessories	
16.1	2.5 mm ball indenter	All these accessories are to be submitted 1 No. Each.
16.2	5 mm ball indenter	
16.3	Brinell hardness test plate	
16.4	2.5 mm balls	
16.5	5 mm balls	
16.6	Brinell hardness Test Block	

17	Documentation	
17.1	Detailed layout plan and prospect to be given	Each Documents 3 sets of hard copy and 1 set of soft copy along with delivery
17.2	Operating instruction	
17.3	Installation and Commissioning instruction	
17.4	Quality Test records	
17.5	Maintenance / repair charts	
17.6	Preventive maintenance instructions has to be given	
17.7	Requirement/recommendation for power supply controlled stabilizing has to be given	
17.8	Lifting instruction mentioned in packing list	
18	Installation and Commissioning	
18.1	The complete installation and commissioning must be carried out by the supplier at the project (at the final destination/premises). Certificate of acceptance is to be signed by customer and supplier.	Confirm
19	Training at installation place	
19.1	Operator training	2 days
19.2	Maintenance course(mechanical, electrical and electronic)	2 days
19.3	Detailed invoice and packing list of all items and all other accessories enclosed in respective boxes	Confirm
20	Breakdown calls to be attended within 48 hours	Confirm
21	Vender should agree for 3 years comprehensive one side AMC, after warranty period	Confirm
22	Warranty	Min 24 months

Item No. A9: “Digital Rockwell Hardness Testing Machine Capacity-150 Kg” Qty. – 02 Set

Code No. _____

SPECIFICATIONS:

<u>Sr. No.</u>	<u>Description of requirement</u>	<u>Required</u>
	a) Diamond Indenter and 1/16” diameter steel ball indenter are provided as standard b) The measured hardness is displayed on the Large Digital Display. c) Test load selection can be easily made with The Selection wheel.	Confirm
	Technical specification	
1	Preliminary test force	98.07N (10 kgf), 29.42 (3 kgf)
2	Test force	588.4N (60 kgf), 980.7N (100 kgf), 1471N (150kgf), 147.1N (15 kgf)
3	Hardness increment	0.1
4	Test force setting	By Dial
5	Load Control	Automatic (loading, duration, unloading)
6	Anvil	Flat (Ø64mm)
7	Max. Specimen height	140mm
8	Max. Specimen Depth	122mm (from the centre of the indenter Shaft)
9	Data Output	Dogmatic code (SPC) and centronics
10	Accessories	
10.1	Diamond indenter, 1/16” Dia steel ball, Indenter, spare 1/16” steel ball, round table , spot anvils, V-anvils hardness test block (30HRC-35HRC, 45HRC-50HRC, 60HRC-65HRC), clamping device, instruction manual etc.	Vendor to confirm all the accessories
11	Documentation	
11.1	Detailed layout plan and prospect to be given	Each Documents 3 sets of hard copy and 1 set of soft copy along with delivery
11.2	Operating instruction	
11.3	Installation and Commissioning instruction	
11.4	Quality Test records	
11.5	Maintenance / repair charts	
11.6	Preventive maintenance instructions	
11.7	Requirement/recommendation for power supply controlled stabilizing has to be given	
11.8	Lifting instruction mentioned in packing list	
12	Installation and Commissioning	
12.1	The complete installation and commissioning must be carried out by the supplier at the project (at the final destination/premises). Certificate of acceptance is to be signed by customer and supplier.	Confirm

13	Training at installation place	
13.1	Operator training	2 days
13.2	Maintenance course (mechanical, electrical and electronic)	2 days
13.3	Detailed invoice and packing list of all items and all other accessories enclosed in respective boxes	Confirm
14	Vendor shall define list of spares and submit for record if any	Confirm
15	Vendor should agree for 3 years comprehensive one side AMC, after warranty period.	Confirm
16	Warranty	Min 24 months

DELIVERY PERIOD INCLUDING INSTALLATION & COMMISSIONING:

The delivery period including installation & commissioning of all of the machines (Including Item No. A1 to A9) at the destination mentioned in Para 1 on page no. 02 of the tender documents will be 5 months from the date of placement of Purchase Order/work contract.

WARRANTY:

The Entire machine (including Item No. A1 to A9) inclusive of all system/accessories should be covered under warranty for a period of 24 months from the date of commissioning.

Note:

1. Machine/items shall be supplied with 3 sets of comprehensive operation and maintenance manual.
2. Breakdown calls to be attended within 48 hrs.
3. Supply to be done on Turnkey Basis. ALIMCO shall provide electrical supply , air supply and water supply point near to the place of installation (civil layout will be provided)
4. Civil foundation details and drawings with specifications to be provided by the tenderer.
5. Total power consumption (in KW) to be provided by the tenderer.

(On Letter Head of the Tenderer)

APPENDIX-1

UNDERTAKING

We hereby undertake that The delivery, installation and commissioning of the machine/equipment/item/stores must be completed within the stipulated period as indicated in the tender or specified at Annexure-A from the date of placement of PO/work contract.

Dated:

Authorised Signatory :

Name :-

Designation :-

Seal :-

(On Letter Head of the Tenderer)

APPENDIX -2

UNDERTAKING

We hereby undertake that our Firm has not been debarred/blacklisted/terminated/banned to participate in the Tender by any Govt. Institution, PSU, State Govt. or Central Govt. Deptt.

Dated:

Authorised Signatory :

Name :-

Designation :-

Seal :-

(On Letter Head of the Tenderer)

APPENDIX -3

UNDERTAKING

We hereby undertake that our Offer is valid for acceptance for 90 days from the date of opening of Techno-Commercial Bid (TC-Bid).

Dated:

Authorised Signatory :

Name :-

Designation :-

Seal :-

(On Letter Head of the Tenderer)

APPENDIX -4

UNDERTAKING

We hereby undertake that all the tender terms & conditions are acceptable to us.

Dated:

Authorised Signatory :

Name :-

Designation :-

Seal :-

(On Letter Head of the Tenderer)

APPENDIX -5

UNDERTAKING

We hereby undertake that a Performance Bank Guarantee (PBG) of 10 % of the order value, valid for warranty period & claim submission date within 3 month from the date of expiry of Bank Guaranty/warranty period, will be submitted after the commissioning of the machine.

Dated:

Authorised Signatory :

Name :-

Designation :-

Seal :-

(On Letter Head of the Tenderer)

APPENDIX -6

UNDERTAKING

We hereby undertake that our firm shall provide the complete training regarding operation & maintenance of the machine / equipment.

Dated:

Authorised Signatory :

Name :-

Designation :-

Seal :-

(On Letter Head of the Tenderer)

APPENDIX -7

UNDERTAKING

We hereby undertake that we will unconditionally accept to replace the supplies if rejected at the destination.

Dated:

Authorised Signatory :

Name :-

Designation :-

Seal :-

(On Letter Head of the Tenderer)

APPENDIX -8

UNDERTAKING

We hereby undertake that we will execute AMC for the period of 03 years after the expiry of warranty period as per the requirement of ALIMCO.

Dated:

Authorised Signatory :

Name :-

Designation :-

Seal :-

(On Letter Head of the Tenderer)

APPENDIX -9

UNDERTAKING

We hereby undertake that In case of PDI at party's worksite, all the cost (Travelling via min. AC 2-tier Rail ticket/ Economy Air ticket, Fooding & Lodging etc. for three person's max.) will be borne by us.

Dated:

Authorised Signatory :

Name :-

Designation :-

Seal :-

(On Letter Head of the Tenderer)

APPENDIX -10

UNDERTAKING

We hereby undertake that payment terms mentioned at Para No-15 of this tender document (i.e. Terms of Payment) is acceptable to us.

Dated:

Authorised Signatory :

Name :-

Designation :-

Seal :-

TENDER ACCEPTANCE LETTER
(To be given on Company Letter Head)

Date:

To,

Sub: Acceptance of Terms & Conditions of Tender.

Tender Reference No: _____

Name of Tender / Work: -

Dear Sir,

1. I / We have downloaded / obtained the tender document(s) for the above mentioned 'Tender/Work' from the web site(s) namely:

as per your advertisement, given in the above mentioned website(s).

2. I / We hereby certify that I / we have read the entire terms and conditions of the tender documents from Page No. _____ to _____ (including all documents like annexure(s), schedule(s), etc .), which form part of the contract agreement and I / we shall abide hereby by the terms / conditions / clauses contained therein.

3. The corrigendum(s) issued from time to time by your department/ organisation to have also been taken into consideration, while submitting this acceptance letter.

4. I / We hereby unconditionally accept the tender conditions of above mentioned tender document(s) / corrigendum(s) in its totality / entirety.

5. I / We do hereby declare that our Firm has not been blacklisted/ debarred/ terminated/ banned by any Govt. Department/Public sector undertaking.

6. I / We certify that all information furnished by our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then your department/ organisation shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.

Yours Faithfully,
(Signature of the Bidder, with Official Seal)

Instructions for Online Bid Submission:

The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.

More information useful for submitting online bids on the CPP Portal may be obtained at: <https://eprocure.gov.in/eprocure/app>.

Registration:

1. Bidders are required to enrol on the e-Procurement module of the Central Public Procurement Portal (URL: <https://eprocure.gov.in/eprocure/app>) by clicking on the link "Online bidder Enrolment" on the CPP Portal which is free of charge
2. As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
3. Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
4. Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / nCode / eMudra etc.), with their profile.
5. Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC's to others which may lead to misuse.
6. Bidder then logs in to the site through the secured log-in by entering their user ID/Password and the password of the DSC/e-Token.

Searching For Tender Documents:

1. There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, Organization Name, Location, Date, Value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as Organization Name, Form of Contract, Location, Date, Other keywords etc. to search for a tender published on the CPP Portal.
2. Once the bidders have selected the tenders they are interested in, they may download the required documents/tender schedules. These tenders can be moved to the respective 'My Tenders' folder. This would enable the CPP Portal to intimate the bidders through SMS/e-mail in case there is any corrigendum issued to the tender document.
3. The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification/help from the Helpdesk.

Preparation of Bids:

- a. Bidder should take into account any corrigendum published on the tender document before submitting their bids.
- b. Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.

- c. Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF/JPG formats. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.
- d. To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use “My Space” or “Other Important Documents” area available to them to upload such documents and keep it as a repository.

Note: My Documents space is only a repository given to the Bidders to ease the uploading process. If Bidder has uploaded his Documents in My Documents space, this does not automatically ensure these Documents being part of Technical Bid.

Submission of Bids:

1. Bidder should log into the site well in advance for bid submission so that they can upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
2. The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
3. Bidder has to select the payment option as “offline” to pay the tender fee/EMD as applicable and enter details of the instrument.
4. Bidder should prepare the EMD as per the instructions specified in the tender document. The original should be posted/ couriered/given in person to the concerned official, latest by the last date of bid submission or as specified in the tender documents. The details of the DD/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise the uploaded bid will be rejected.
5. Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BoQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BoQ file, open it and complete the white coloured (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BoQ file is found to be modified by the bidder, the bid will be rejected.
6. The server time (which is displayed on the bidders’ dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
7. All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128 bit encryption technology. Data storage encryption of sensitive fields is done. Any bid document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid openers’ public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized bid openers.
8. The uploaded tender documents become readable only after the tender opening by the authorized bid openers.

9. Upon the successful and timely submission of bids (ie after Clicking “Freeze Bid Submission” in the portal), the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
10. The bid summary has to be printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for any bid opening meetings.

Assistance to Bidders:

1. Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.
2. Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk Nos. 0120-4200462, 0120-4001002

Annexure-B1
Tender No -PT/OT/04/AV, Dtd- 13.06.2017

Sr. No.	Mandatory/Pre-Qualification Criteria	Complied / Not Complied	Provide details
1	Submit, scan copy of DD for Rs. 560/- (GST @12% Included) in favour of ALIMCO, payable at Kanpur towards cost of Tender documents, if downloaded from the website of the Corporation/CPPP and original copy of the same should reach to the office of Senior Manager (SP&C) Department, Artificial Limbs Manufacturing Corporation of India, G. T. Road, Kanpur – 209 217 on or before date 11 th Oct. 2017 as mentioned in critical date sheet (All SSI/MSE Vendor are exempted from Tender Cost on submission Valid Registration Certificate only).		
2	Earnest Money: - Submit scan copy of Demand Draft or Pay Order or Bankers Cheque for Rs.87, 500/- in favour of ALIMCO, payable at KANPUR as Earnest Money Deposit along with 'TC' BID and original copy of the same should reach to the office of Senior Manager (SP&C) Department, Artificial Limbs Manufacturing Corporation of India, G. T. Road, Kanpur – 209217 on or before date 11 th Oct. 2017 as mentioned in critical date sheet. Exemption from Earnest Money Deposit (EMD) will be allowed to vendor on submission of valid SSI/MSE registration with DGS&D or NSIC only against Tenders for the items/nature of business/type of services for which the Vendor has valid registration with these organisations.		
3	The person signing the bid should be duly authorised representative of the firm/company whose signature should be verified and certificate of authority should be submitted. The poser or authorisation or any other document consisting of adequate proof of the ability of the signatory to bind the firm/company should be annexed to the bid.		
4	Tender documents with proper seal and signature of authorised person on each page of the bid must be submitted.		
5	Complete specifications, Make/Model/Brand of Machine/ Item offered on parameters specified as per Annexure-A, must be mentioned. The details with values for individual specifications/parameters desired must be indicated at Annexure 'B2' to this tender document.		
6	Copy of GST Registration Certificate, duly signed & stamped.		
7	The tenderer should have an average annual turnover of not less than 30% of estimated cost during the last 03 financial years i.e. FY 2013-14, 2014-15 & 2015-16. In order to authenticate, a certificate regarding average turnover from a qualified Chartered Accountant is required to be furnished along with 'TC-Bid'		
8	Copy of income tax return for the last three Assessment years, i.e. AY- 2014-15, 2015-16 & 2016-17, duly signed & stamped.		
9	Only the OEM / authorised distributors/ authorised dealers are allowed to bid for machine/equipment/items/stores mentioned in the tender document. The Authorisation letter from Principal/OEM must be enclosed.		

10	The tenderer must have completed similar supply orders/contracts/agreements minimum 03 nos. in last 05 years, or as specified at Annexure-A, ending May, 2017 Please enclose copy of such supply orders/contracts/agreements along with completion certificate of the Same issued by the client. Whatever be the number of supply/purchase orders submitted by the tenderer .the orders must indicate that the tenderer has supplied each individual item at least three times through separate supply orders in the last 5 years.		
11	Undertaking stating that “The delivery, installation and commissioning of the machine/equipment/item/stores must be completed within the stipulated period as indicated in the tender or specified at Annexure-A, from the date of placement of PO/work contract” in the format enclosed at Appendix-1.		
12	The tenderer should submit an undertaking that his/her firm has not been debarred/ blacklisted/ terminated/ banned to participate in the tender by any Govt. Institution, PSUs, and State Govt. Or Central Govt. Deptt. in the format enclosed at Appendix-2.		
13	The tenderer should submit an undertaking that his/her Offer is valid for acceptance for 90 days from the date of opening of TC Bids in the format enclosed at Appendix-3.		
14	Undertaking to the effect that all the tender terms & conditions are acceptable to the bidder in the format enclosed at Appendix-4.		
15	Undertaking to the effect that a Performance Bank Guarantee (PBG) of 10% of the order value, valid for warranty period & claim submission date within 3 month from the date of expiry of Bank Guaranty/warranty period, will be submitted after the commissioning of the machine in the format enclosed at Appendix-5.		
16	The tenderer should submit an undertaking that his/her firm shall provide the complete training regarding operation & maintenance of the machine / equipment in the format enclosed at Appendix-6.		
17	The tenderer should submit an undertaking for unconditioned acceptance to replace the supplies if rejected at the destination in the format enclosed at Appendix-7.		
18	Undertaking to be submitted by the tenderer that “They should undertake that they will execute AMC for the period of 03 years after the expiry of warranty period as per the requirement of ALIMCO” in the format enclosed at Appendix-8.		
19	Undertaking to be submitted by the tenderer that In case of PDI (Pre-Dispatch Inspection) at party’s worksite, all the cost (Travelling via min. AC 2-tier Rail ticket/ Economy Air ticket, Fooding & Lodging etc. for three person’s max.) to be borne by the Tenderer/Party in the format enclosed at Appendix-9.		
20	Undertaking to be submitted by the tenderer that “payment terms mentioned at Para No-15 of this tender document (i.e. Terms of Payment) is acceptable” in the format enclosed at Appendix-10.		
21	Tenderers are required to submit “Tender Acceptance Letter” in the format enclosed at Appendix-11.		
22	Tenderers are also required to provide duly filled Annexure ‘B1 & B2’ , enclosed herewith.		
23	Offer/Bid will be considered only of those tenderer offering quotes/rates for all the items as indicated in P-Bid format. If the tenderer has not quoted for each individual item, the offer will not be considered.		

24	An affidavit to be sought from L1 party regarding		
	(a) The party has not been debarred/ terminated/ blacklisted/ banned by any Govt. Institution, PSUs, and State Govt. Or Central Govt. Deptt.		
	(b) The party has not supplied the similar machine /system at a cost lower than the cost offered to ALIMCO to any government / semi-government / reputed private organisation in India.		

Sr. No.	Description of Requirement	Required	Complied/ Not Complied	Provide Details
A1	SPECIFICATIONS: "DIGITAL UNIVERSAL TESTING MACHINE" Qty. – 01 Set			
	a) The machine can test of tension , compression , elongation, tearing, torsion, breakage, shearing/torsion of material.	Confirm		
	b) The function of yield point elasticity modulus, young modulus are also available.			
	c) Control Unit:			
	1) Overload protection machine and upper and lower limit which micro inching device.			
	2) Automatic end points: the tester stop automatically while specimen breaks emergency shutdown button overload protection (auto stop) function equipped and return to the specified position automatically.			
	3) Max. Capacity protection to protect the computer system and prevent load cell from being over the safety capacity, it can be set in different safety capacity. While the upper liver reaches the setting capacity, the tester stops automatically to protect load cell and motor.			
	Technical Specification			
1	Capacity	20 Ton		
2	Test Speed			
2.1	Minimum test speed	0.01 mm/min.		
2.2	Maximum test speed	500 mm/min.		
2.3	Full & return speeds	Compatible with above speed		
2.4	Maximum force at full speed	Compatible with full speed		
2.5	Transmission	Hydraulic Type		
2.6	Accessories	Load cell capacity 5 ton, 10 ton and 20 ton or suitable to design		
2.7	Resolution	1/200000Kg		
2.8	Accuracy	+_ 0.5 %		
3	Dimensions and features of cross heads of UTM			
3.1	Width	Minimum 1000 mm		
3.2	Depth	Minimum 500 mm		
3.3	Height	Minimum 1500 mm		
3.4	Total crosshead travel	Minimum 1100 mm		
3.5	Total vertical test space	Minimum 1100 mm		

4	Frame Stiffness	Medium or Higher		
5	Data Acquisition	As per ASTM E 1856		
6	Mechanical test to be carried on UTM			
6.1	Tensile Test	Must be to performed all mentioned test		
6.2	Compressive Test			
6.3	Adhesion Test			
6.4	Ductility Test			
6.5	Fatigue/Cyclic Test			
6.6	Flexure / Bending			
6.7	Shear/Torsion Test			
7	Operational Condition			
7.1	Test Temperature	Room Temperature		
7.2	Test Humidity	Normal		
8	Display/User interface	Digital Readout/Interface		
8.1	Video/Graphic Display	Vendor to confirm		
8.2	Computer Interface	Must be there (Via USB or Ethernet)		
8.3	Application Software (Controlled by PC)	Must be there (Suitable and should be compatible with OS)		
9	Strain Measurement System	Industry Standards that should be followed and their document Grade/Class Range limits		
9.1	ASTM E 83	Must follow any of mentioned standards		
	BS 3846 A			
	ISO 9513			
9.2	Accuracy	~ 0.5 μ m or better		
9.3	Repeatability	~0.25 μ m or better		
9.4	Discrimination / Resolution	0.0004% of Range		
10	Force measurement System			
10.1	Accuracy	~+ _ the larger of 0.5 % of reading or 0.01 % of capacity		
10.2	Repeatability	~+ _ the larger of 0.25 % of reading or 0.005 % of capacity		
10.3	Industry standard that should be followed			
10.3.1	ASTM E4	Must follow one of the mentioned standard		
10.3.2	BS 1610			
10.3.3	DIN 51221			
10.3.4	ISO 7500			

11	Load frame & drive system specification	~+_-0.25mm (0.01 in.) maximum over full		
11.1	Lateral Motion	Crosshead Travel		
11.2	Speed accuracy	~+_-0.1% or better of set speed for all forces within the capacity of the machine		
11.3	Position Resolution	~ 0.6 μm(25 micro inches) or better		
11.4	Position accuracy	The greater of 0.025 mm (0.001in.)or 0.025% of movement		
12	Measuring Units			
12.1	Micrometer type	Reading to 0.001 mm (0.00005 in)		
12.2	Caliper type	Reading to 0.01mm (0.0005 in)		
12.3	Dial Indicator type	Reading to 0.025,0.0025 or 0.00025 mm (0.001,0.0001 or 0.00001 in)		
13	Standard to be followed	Must follow one of the mentioned standard relating to UTM and testing of materials		
13.1	ASTME4- Practice for Force verification of testing machine			
13.2	ASTM E74- Practice for calibration of Force measuring instrument for verifying the force indication of Testing machine			
13.3	ASTM E83- Practice for verification and classification on extensometer systems			
13.4	ASTM E E1012- Practice for verification of test frame and specimen alignment under tensile and compressive Axial force application			
13.5	ASTM E1856- Standard guide for evaluating computerized data acquisition systems used to acquire data from Universal Testing Machines			
13.6	ASTM D882			
13.7	ASTM D1938			
13.8	ASTM D3330			
13.9	ASTM F904			
13.1	ASTM D952			
13.11	ASTM E143			
13.12	ASTM E190			
13.13	ASTM E 9			
14	Transmission	Hydraulic Type		
15	Should be suitable for mechanical testing of following material			
15.1	Tension Grip	Grip for rod, grip for plate		

15.2	Compression Grip	Bending grip		
15.3	Stainless Steel			
15.3.1	Modified Stainless Steel such as SS 316, SS 316 LN	Must follow one of the mentioned standard relating to UTM and testing of materials		
15.4	Polymer such as FRP, Polyamides, Epoxy esters	Confirm		
15.5	Different Metals such as Copper, Aluminum Alloys etc.	Confirm		
16	Documentation			
16.1	Detailed layout plan and prospect to be given	Each Documents 3 sets of hard copy and 1 set of soft copy along with delivery		
16.2	Operating instruction			
16.3	Installation and Commissioning instruction			
16.4	Quality Test records			
16.5	Maintenance / repair charts			
16.6	Preventive maintenance instructions			
16.7	Requirement/recommendation for power supply controlled stabilizing has to be given			
16.8	Lifting instruction mentioned in packing list			
17	Installation and Commissioning			
17.1	The complete installation and commissioning must be carried out by the supplier at the project (at the final destination/premises). Certificate of acceptance is to be signed by customer and supplier. Machine calibration report to be submitted.	Confirm		
18	Training at installation place			
18.1	Operator training	2 days		
18.2	Maintenance course (mechanical, electrical and electronic)	2 days		
18.3	Detailed invoice and packing list of all items and devices and detailed prospect of Table and all other accessories enclosed in respective boxes	Confirm		
19	Vendor shall define list of spares and submit for record			
20	Comprehensive accessories detail required to maintain proper operating condition			
21	Warranty	Min 24 months		

A2	<u>Digital Fabric Tensile Testing Machine. Qty. – 01 Set</u>			
	<p>Digital tensile strength tester or fabric strength tester work in forward and reverse direction and desired. It is based on the constant rates of traverse (CRT) Principle. The sample is held between two jaws the upper jaws is stationary, while the other is made to move at a known fixed speed, with the help of the branded motor and electrical with CE standard wiring Gear Box and special case hardened lead screw arrangement ensure frictionless durability. The load exerted on the stationary jaw is sensed by a sensor connected with load cell. Which indicated the load in digital forms in kgs. Tensile strength tester is used to determine breaking force of any fabric , yarn lea, HDPE bag, Board, Cable, Plastic Sheet and wire. The reading directly come kgf (Kilogram force). Elongation of material is also measured by digital counter.</p>	Confirm		
	Technical Specification			
1	Capacity of Tester	1 kg to 500kg.		
2	Traverse Speed	Minimum100 mm/min.		
3	Min. Grip Separation	25 mm		
4	Max. Grip Separation	1000 mm		
5	Related standard	ASTM D434, ASTM D1578, ASTM D 5034, ASTMD 5035,BS 1610, BSEN 1002-3, DIN 51221		
6	S Type load cell Fixed with Top Grip.	Confirm		
7	Top Grip is Fixed and Bottom Grip is Movable Type.	Confirm		
8	Elongation measurement by Steel Scale and Digital Count Meter Both.	Confirm		
9	Digital Display of Load and Elongation.	Confirm		
10	Peak value of last test can be read.	Confirm		
11	User friendly key panel with switch of Zero setting and value peak value of last test.	Confirm		
12	Documentation			

12.1	Detailed layout plan and prospect to be given	Each Documents 3 sets of hard copy and 1 set of soft copy along with delivery		
12.2	Operating instruction			
12.3	Installation and Commissioning instruction			
12.4	Quality Test records			
12.5	Maintenance / repair charts			
12.6	Preventive maintenance instructions			
12.7	Requirement/recommendation for power supply controlled stabilizing has to be given			
12.8	Lifting instruction mentioned in packing list			
13	Installation and Commissioning			
13.1	The complete installation and commissioning must be carried out by the supplier at the project (at the final destination/premises). Certificate of acceptance is to be signed by customer and supplier.	Confirm		
14	Training at installation place			
14.1	Operator training	2 days		
14.2	Maintenance course (mechanical, electrical and electronics)	2 days		
14.3	Detailed invoice and packing list of all items and all other accessories enclosed in respective boxes	Confirm		
15	Warranty	Min 24 months		
A3	<u>Digital Spring Testing Machine Qty. – 01 Set</u>			
1	Capacity of Tester	50 kg.		
2	Minimum capacity	0.01 kg.		
3	Free length of tension spring	150mm (approx.)		
4	Diameter of compression spring	10mm to 100 mm		
5	Maximum Cross Head Travel	100 mm(approx.)		
6	Force Measuring Resolution	1 gm.		
7	Display	(i)digital display of force		
		(ii) digital display at displacement		
8	Accessories of tension assembly, Graduation scale.	set of ground MS plate, set hooks, encoder meter		
9	Documentation			
9.1	Detailed layout plan and prospect to be given	Each Documents 3 sets of hard copy and 1 set of soft copy along with delivery		
9.2	Operating instruction			
9.3	Installation and Commissioning instruction			
9.4	Quality Test records			
9.5	Maintenance / repair charts			
9.6	Preventive maintenance instructions			
9.7	Requirement/recommendation for power supply controlled stabilizing has to be given			

9.8	Lifting instruction mentioned in packing list			
10	Installation and Commissioning			
10.1	The complete installation and commissioning must be carried out by the supplier at the project (at the final destination/premises). Certificate of acceptance is to be signed by customer and supplier. Vendor to submit calibration report.	Confirm		
11	Training at installation place	Confirm		
11.1	Operator training	2 days		
11.2	Maintenance course mechanical, electrical and electronic	2 days		
11.3	Detailed invoice and packing list of all items all other accessories enclosed in respective boxes	Confirm		
12	Warranty	Min 24 months		
A4	<u>Digital Hardness Tester Shore “A” Qty: 02 Set</u>			
1	Digital duro meters are suitable for testing the nature of the following materials Natural rubber, neoprene , Polyester, PVC, leather, Thiokol, Nit rile rubber , Wax, Vinyl, Cellulose acetates, Glass polystyrene etc.	Confirm		
2	The digital durometers are designed in accordance with the ASTM D 2240 , ISO7619, DIN 53 505, JIS K 6253 and JIS K 7215 specification	Confirm		
3	The digital durometers is provided with data hold function, permitting the operator to make an error free reading on the Digital screen	Confirm		
	Technical Specification			
1	Scale	Shore “A”		
2	Applications	Soft elastomers, soft rubber etc.		
3	Min reading	0.5or better		
4	Measuring Range	0-100		
5	Type	Compact		
6	Function	data hold, Zero – set, SPC data output, Power on/off		
7	Comprehensive accessories detail required to maintain proper operating condition	Confirm		
8	Break down calls to be attended with in 48 hours	Confirm		
9	Documentation			
9.1	Detailed layout plan and prospect to be given	Each Documents 3 sets of hard copy and 1 set of soft copy along with delivery		
9.2	Operating instruction			
9.3	Installation and Commissioning instruction			
9.4	Quality Test records			
9.5	Maintenance / repair charts			
9.6	Preventive maintenance instructions			

9.7	Requirement/recommendation for power supply controlled stabilizing has to be given	Each Documents 3 sets of hard copy and 1 set of soft copy along with delivery		
9.8	Lifting instruction mentioned in packing list			
10	Installation and Commissioning			
10.1	The complete installation and commissioning must be carried out by the supplier at the project (at the final destination/premises). Certificate of acceptance is to be signed by customer and supplier.	Confirm		
11	Training at installation place			
11.1	Operator training	2 days		
11.2	Maintenance course mechanical, electrical and electronic	2 days		
11.3	Detailed invoice and packing list of all items and devices and detailed prospect of Table and all other accessories enclosed in respective boxes	Confirm		
12	Warranty	Min 24 months		
A5	Digital Hardness Tester Shore “D”Qty: 02 Set			
1	Digital duro meters are suitable for testing the nature of the following materials Natural rubber, neoprene , Polyester, PVC, leather, Thiokol, Nit rile rubber , Wax, Vinyl, Cellulose acetates, Glass polystyrene etc.	Confirm		
2	The digital durometers are designed in accordance with the ASTM D 2240 , ISO 868, ISO7619, DIN 53 505, JIS K 6253 and JIS K 7215 specification	Confirm		
3	The digital durometers is provided with data hold function, permitting the operator to make an error free reading on the Digital screen	Confirm		
	Technical specifications			
1	Scale	Shore “D”		
2	Applications	Hard elastomers, plastics, hard rubber, ebonite etc.		
3	Min reading	0.5		
4	Measuring Range	0-100		
5	Type	Compact		
6	Function	data hold, Zero – set, SPC data output, Power on/off		
7	Vendor shall define list of spares and submit for record (if any.)	Confirm		
8	Comprehensive accessories detail required to maintain proper operating condition	Confirm		
9	Vendor should agree for 3 year comprehensive one side AMC, after warranty period.	Confirm		

10	Break down calls to be attended within 48 hours	Confirm		
12	Documentation			
12.1	Detailed layout plan and prospect to be given	Each Documents 3 sets of hard copy and 1 set of soft copy along with delivery		
12.2	Operating instruction			
12.3	Installation and Commissioning instruction			
12.4	Quality Test records			
12.5	Maintenance / repair charts			
12.6	Preventive maintenance instructions			
12.7	Requirement/recommendation for power supply controlled stabilizing has to be given			
12.8	Lifting instruction mentioned in packing list			
13	Installation and Commissioning			
13.1	The complete installation and commissioning must be carried out by the supplier at the project (at the final destination/premises). Certificate of acceptance is to be signed by customer and supplier.	Confirm		
14	Training at installation place			
14.1	Operator training	2 days		
14.2	Maintenance course (mechanical, electrical and electronic)	2 days		
14.3	Detailed invoice and packing list of all items all other accessories enclosed in respective boxes	Confirm		
15	Warranty	Min 24 months		
A6	“Granite Surface Plate (Black)”Qty. 02 Set			
1	Low coefficient of expansion and thermal Stability	Confirm		
2	Water absorption and porosity is low and hence long term dimensional stability is good	Confirm		
3	Flexure strength, Compressive strength, Modulus of rupture and tensile stress	Confirm		
4	Totally corrosion free, granite does not rust nor corrode or react chemically with other substances	Confirm		
5	Non magnetic and non conductive, Non reflective matt finish	Confirm		
6	High flatness accuracy. Insensitive to mechanical over loading	Confirm		
7	All Calibration equipment is to national and international laboratories standards. Hand lapped for maximum accuracy	Confirm		
	Technical specification			
1	Size	2000x1000mm		
2	Thickness	150mm Approx.		
3	Grade	‘0’		

4	Flatness	0.007 mm		
5	Accessories			
5.1	The instruments shall be supplied with optional accessories, attachments	Vendor to ensure “Stand for mounting the surface plate”		
6	Documentation			
6.1	Detailed layout plan and prospect to be given	Each Documents 3 sets of hard copy and 1 set of soft copy along with delivery		
6.2	Operating instruction			
6.3	Quality Test records			
6.4	Maintenance / repair charts			
6.5	Preventive maintenance instructions			
6.6	Lifting instruction mentioned in packing list			
7	Installation and Commissioning			
7.1	The complete installation and commissioning must be carried out by the supplier at the project (at the final destination/premises). Certificate of acceptance is to be signed by customer and supplier.	Confirm		
8	Training at installation place			
8.1	Operator training	2 days		
8.2	Maintenance course mechanical, electrical and electronic	2 days		
8.3	Detailed invoice and packing list of all items and all other accessories enclosed in respective boxes	Confirm		
9	Warranty	Min 24 months		
A7 “Digital Vickers Hardness Testing Machine” Qty. – 01 Set				
a)	These machines are suitable for checking Vickers hardness of steel and other metals.	Confirm		
b)	Hardness tester of Vicker series are designed and manufacture for very high accuracy, ease of operation , reliability and long term stability	Confirm		
c)	Fully/semi computerized (PC based)/ automatic machine, Direct and accurate measurement of Vickers hardness number.	Confirm		
d)	High accuracy and repeatability of measurement at all loads , with LCD digital display	Confirm		
	Technical Specification			
1	Measuring range	1HV – 4000 HV		
2	Test Force	10g,25g,50g,100g,200g 300g,500g,1000g,		
3	Hardness value shown on	Digital Display		
4	Magnification	100X, 400X or better		
5	Loading Mode	Fully Automatic		
6	Sweep of machine frame (mm)	150 approx		

7	Max. Test Height(mm)	250 approx		
8	Load Accuracy	+_-1% of nominal load value		
9	Automatic mode	Fully/Semi automatic mode		
10	XY Table	100X100 mm Min.		
11	Scale least count(mm)	0.001		
12	Throat depth(mm)	135		
13	Machine Dimension (Approx.)mm	L 585 x W 290 x H 860		
14	Weight (Approx.)	70 kg.		
15	Power Supply	220VAC, 50Hz, 1Phase		
16	Accessories			
16.1	V table for specimen	Comprehensive accessories detail required to maintain proper operating condition		
16.2	Vickers diamond indentation			
16.3	Vickers hardness test plate			
16.4	Electrical cord			
16.5	Vickers Hardness test Block			
17	Break down calls to be attended within 48 hours	Confirm		
18	Documentation			
18.1	Detailed layout plan and prospect to be given	Each Documents 3 sets of hard copy and 1 set of soft copy along with delivery		
18.2	Operating instruction	Confirm		
18.3	Installation and Commissioning instruction			
18.4	Quality Test records			
18.5	Maintenance / repair charts			
18.6	Preventive maintenance instructions			
18.7	Requirement/recommendation for power supply controlled stabilizing has to be given			
18.8	Lifting instruction mentioned in packing list			
19	Installation and Commissioning			
19.1	The complete installation and commissioning must be carried out by the supplier at the project (at the final destination/premises). Certificate of acceptance is to be signed by customer and supplier.	Confirm		
20	Training at installation place			
20.1	Operator training	2 days		
20.2	Maintenance course (mechanical, electrical and electronic)	2 days		
20.3	Detailed invoice and packing list of all items and all other accessories enclosed in respective boxes	Confirm		
21	Warranty	Min 24 months		

A8				
“Digital Brinell Hardness Testing Machine” Qty. – 01 Set				
a)	These machines are suitable for checking Brinell hardness of steel and other metals.	Confirm		
b)	Fully computerized (PC Based)/automatic machine, Direct and accurate measurement of Brinell hardness number.			
c)	The measurement of Diagonal/diameters of indentation is done with the help of the built-in optical system graduated readout with micrometer. After taking the indentation image appears on the focusing screen fitted in the front of the machine.			
d)	High accuracy and repeatability of Measurement at all loads.			
Technical Specification				
1	Measuring Range	0-3.2 mm/0-1.6 mm/0-0.8 mm		
2	Load Range	250 to 3000 kgf		
3	Initial Load	Nil		
4	Max Test Height	380 mm		
5	Sweep of machine frame	200 mm		
6	Load accuracy	+ ₋ 1 % as per IS:2281-2005		
7	Automatic mode	Fully/Semi-automatic mode		
8	Connected Load	3 phase AC,440 V , 50 Hz		
9	Dwell Timer	1 to 99 sec.		
10	Depth of Throat	200 mm		
11	Max depth of Elevating screw below base	180 mm		
12	Size of Base	370 mm x 670 mm		
13	Machine Height	1185 mm		
14	Net Weight (approx.)	500 kg		
15	Drive Motor	0.5 - 415 V/p HP		
16	Accessories			
16.1	2.5 mm ball indenter	All these accessories are to be submitted 1 No. each		
16.2	5 mm ball indenter			
16.3	Brinell hardness test plate			
16.4	2.5 mm balls			
16.5	5 mm balls			
16.6	Brinell hardness Test Block			

17	Documentation			
17.1	Detailed layout plan and prospect to be given			
17.2	Operating instruction	Each Documents 3 sets of hard copy and 1 set of soft copy along with delivery		
17.3	Installation and Commissioning instruction			
17.4	Quality Test records			
17.5	Maintenance / repair charts			
17.6	Preventive maintenance instructions has to be given			
17.7	Requirement/recommendation for power supply controlled stabilizing has to be given			
17.8	Lifting instruction mentioned in packing list			
18	Installation and Commissioning			
18.1	The complete installation and commissioning must be carried out by the supplier at the project (at the final destination/premises). Certificate of acceptance is to be signed by customer and supplier.	Confirm		
19	Training at installation place			
19.1	Operator training	2 days		
19.2	Maintenance course (mechanical, electrical and electronic)	2 days		
19.3	Detailed invoice and packing list of all items and all other accessories enclosed in respective boxes	Confirm		
20	Breakdown calls to be attended within 48 hours	Confirm		
21	Vendor should agree for 3 years comprehensive one side AMC, after warranty period.	Confirm		
22	Warranty	Min 24 months		
A9	<u>“Digital Rockwell Hardness Testing Machine Capacity-150 Kg” Qty. – 02 Set</u>			
a)	Diamond Indenter and 1/16” diameter steel bail indenter are provided as standard	Confirm		
b)	The measured hardness is displayed on the large Digital display			
c)	Test load selection can be easily made with the selection wheel.			
	Technical specification			
1	Preliminary test force	98.07N (10 kgf), 29.42 (3 kgf)		
2	Test force	588.4N (60 kgf), 980.7N (100 kgf), 1471N (150kgf), 147.1N (15 kgf)		
3	Hardness increment	0.1		
4	Test force setting	By Dial		
5	Load Control	Automatic (loading, duration, unloading)		

6	Anvil	Flat (Ø64mm)		
7	Max. Specimen height	140mm		
8	Max. Specimen Depth	122mm (from the centre of the indenter Shaft)		
9	Data Output	Dogmatic code (SPC) and centronics		
10	Accessories			
10.1	Diamond indenter, 1/16" Dia steel ball, Indenter, spare 1/16" steel ball, round table , spot anvils, V-anvils hardness test block (30HRC-35HRC, 45HRC-50HRC, 60HRC-65HRC), clamping device, instruction manual etc.	Vendor to confirm all the accessories.		
11	Documentation			
11.1	Detailed layout plan and prospect to be given	Each Documents 3 sets of hard copy and 1 set of soft copy along with delivery		
11.2	Operating instruction			
11.3	Installation and Commissioning instruction			
11.4	Quality Test records			
11.5	Maintenance / repair charts			
11.6	Preventive maintenance instructions			
11.7	Requirement/recommendation for power supply controlled stabilizing has to be given			
11.8	Lifting instruction mentioned in packing list			
12	Installation and Commissioning			
12.1	The complete installation and commissioning must be carried out by the supplier at the project (at the final destination/premises). Certificate of acceptance is to be signed by customer and supplier.	Confirm		
13	Training at installation place			
13.1	Operator training	2 days		
13.2	Maintenance course mechanical, electrical and electronic	2 days		
13.3	Detailed invoice and packing list of all items and all other accessories enclosed in respective boxes	Confirm		
14	Vendor shall define list of spares and submit for record if any.	Confirm		
15	Vendor should agree for 3 years comprehensive one side AMC, after warranty period	Confirm		
16	Warranty	Min 24 months		

17	DELIVERY PERIOD INCLUDING INSTALLATION & COMMISSIONING:			
	The delivery period including installation & commissioning of all the above machines mentioned at Serial No. A1 to A9 at the destination mentioned in Para 1 on page no. 02 of the tender documents will be 05 months from the date of placement of Purchase Order/work contract.	05 Months		
18	WARRANTY:			
	All the machines mentioned at Serial No. A1 to A9 inclusive of all system/accessories should be covered under warranty for a period of 24 months from the date of commissioning.	24 Months from the date of commissioning.		
19	Note:			
	1. Machine/items shall be supplied with 3 sets of comprehensive operation and maintenance manual.			
	2. Breakdown calls to be attended within 48 hrs.			
	3. Supply to be done on Turnkey Basis. ALIMCO shall provide electrical supply, air supply and water supply point near to the place of installation (civil layout will be provided)			
	4. Civil foundation details and drawings with specifications to be provided by the tenderer.			
	5. Total power consumption (in KW) to be provided by the tenderer.			

Tender No –PT/OT/04/AV, Date: 13.06.2017

SPECIFIC CONDITIONS OF SUPPLY:

The tenderer should clearly indicate the following in their offer:

- 1) Full technical and commercial details of all optional accessories, spares (Mechanical, Electrical and Electronics) recommended for two years' operation and anticipated requirements of consumable.
- 2) Complete technical details of operational and interfacing kits, if any, Standard Accessories and standard spares which are to be supplied with the machine/equipment.
- 3) Installation/Commissioning – details, if required along with drawings etc.
- 4). Whether DGS&D or any other State/Central Rate Contract exists for the item offered. Please enclose copy.
- 5). Tenders are required to provide address, e-mail, contact person of local service centre/Nearest Service centre from where service support shall be provided.
- 6). Any other relevant technical details of the offered Machine/Item/Installation.
- 7). Complete details of infrastructural requirement for the offered machine/ equipment i.e.
Floor space requirement & Drawing (layout plan etc.)
Ambient working atmosphere requirement
Details of Air supply requirement
Power connections requirement
Requirements for conducting trials on the machine etc.
- 8) Tenderer is required to provide a list of parties with their complete postal address with telephone / e-mail. To whom they have supplied similar machines over the last 5-8 years. The list should clearly indicate the quantity and the model no. of the machine supplied to such customers.
- 9) Tenderer is required to give complete details of the training facilities, if available, with their organization for training our technicians and engineers on the use and maintenance of the offered machine. Details of complimentary training should also be indicated in the offer.
- 10) Tenderer is required to clearly indicate the details of infrastructure of after sales service facility with its location together with the anticipated time of attending complaints after their receipt of complaint in their service center.
- 11) Tenderer should clearly indicate the reasons as to why they consider their Machine/ equipment and their offer to be best for supply to the Corporation. The tenderer should enclose all documentary evidence in support of their claim along with their offer.
- 12) The equipments would be required to be supplied and installed in the company premises as specified in Para 1 of the tender document i.e. ALIMCO, G.T. Road, KANPUR or as specified in the tender document. As such the tenderers should clearly confirm their acceptance to deliver / install and provide after sales service during the warranty period and afterwards at Corporation premises or as the location as specified in the tender document. They are also required to indicate the nearest service point location with address for providing services in respect of the offered machine/ equipment.

- 13) In case the tenderer desires to provide supplies of add on optional accessories for the effective functioning of the system on complimentary / chargeable basis, he should clearly indicate items along with the terms of supply. The value of the complimentary supplies proposed should be clearly indicated in the offer.
- 14) The tenderer should **necessarily enclose the complete exhaustive literature / Printed catalogue of their offered machine/equipment's** indicating full technical details/specifications and special features of their machine/equipment together with their make & model, etc.
- 15) In case of existence of a **DGS&D rate contract or a State/Central Govt. Rate Contract** in respect of the supply of the offered machine/equipment, an authenticated copy of the same should also be enclosed along with the offer. The enclosing of a copy of the relevant rate contract would still permit the tenderer to submit a lower competitive offer in which case the corporation would consider only the lower offer for comparison and analysis.
- 16) The tenderers are required to submit exhaustive (anticipated) list of spares likely to be used on chargeable basis during the period of 03 years together with their prices indicating validity period of each spares for our necessary reference and records.
- 17) Pre-Dispatch Inspection (PDI), if required/applicable, shall be conducted strictly as per terms & conditions specified in Annexure-A.
- 18) In case of any problem / trouble / defect after commissioning the local service provider is required to respond / attend the problem within 48 Hrs.
- 19) The repeat orders may be placed up to 100% of quantity of original order where the original order was placed on the supplier selected on the basis of ST/OT/LT/ team purchase only for ordering additional quantity. The repeat order will be placed on same rates and terms as mentioned in initial order.

Tender No -PT/OT/04/AV, Date- 13.06.2017

FORMAT FOR BANK GUARANTEE TOWARDS SECURITY DEPOSIT/PERFORMANCE GUARANTEE

(To be executed by any Nationalised Bank in India, on a Rs. 200 non-judicial stamp paper under bank's covering letter mentioning address of the bank)

In consideration of M/s Artificial Limbs Manufacturing Corporation of India, hereinafter referred to as 'ALIMCO', which expression unless repugnant to the context and meaning thereof shall include its successors and assigns having agreed to exempt M/s _____ (Name of the vender/supplier/contractor) hereinafter referred to as supplier/contractor which expression unless repugnant to the context and meaning thereof shall include its successors and assigns] from depositing with ALIMCO a sum of Rs. _____ towards security / performance guarantee in lieu of the said supplier/contractor having agreed to furnish a bank guarantee for the said sum of Rs. _____ as required under the terms and conditions of contract / work order / purchase order no. _____ dated _____ [hereinafter referred as the order'] placed by ALIMCO on the said supplier / contractor.

We, _____ the bank [hereinafter referred to as 'the bank' which expression shall include Its successors and assigns] do hereby undertake to pay ALIMCO an amount not exceeding Rs. _____ on the demand made by ALIMCO on us due to a breach committed by the said supplier / contractor of the terms and conditions of the order.

We _____ the bank hereby undertakes to pay the amount under the guarantee without any demur merely on a demand from ALIMCO stating that there is a breach by the supplier / contractor of any of the terms and conditions contained in the order or by the reasons of the supplier's / contractor's failure to comply with the terms and conditions as stipulated in the order or amendment(s) thereto.

The demand made on the bank shall be conclusive as to the breach of the terms and conditions of the order and as regard to the amount due and payable by the bank under this guarantee, notwithstanding any dispute or disputes raised by the said supplier / contractor regarding the validity of such breach and we agree to pay the amount so demanded by ALIMCO without any demur. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. _____.

We, _____ the bank further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said order and that it shall continue to be enforceable till the dues of ALIMCO under or by virtue of the said order have been fully paid and its claim satisfied or discharged or till ALIMCO certifies that the terms and conditions of the order have been fully and properly carried out by the supplier / contractor and accordingly discharge the guarantee.

We _____ the bank, undertake to pay to ALIMCO any money so demanded notwithstanding any dispute or disputes raised by the said supplier / contractor in any suit or proceedings pending before any court or tribunal relating thereto as our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be valid discharge of our liability for

payment there under and the said supplier / contractor shall have no claim against us for making such payment.

We _____ the bank further agree that ALIMCO shall have full liberty, without our consent and without affecting in any manner our obligation hereunder to vary any of the terms and conditions of the order or to extend time of performance by the said supplier / contractor from time to time or to postpone for any time or from time to time any of the powers exercisable by the ALIMCO against the said supplier / contractor and to forbear or enforce any of the terms and conditions relating to the order and shall not be relieved from our liability by reason of any such variation or extension being granted to the said supplier / contractor or for any forbearance, act or omission on the part of ALIMCO or any indulgence by ALIMCO to the supplier / contractor or by any such matter or thing whatsoever which under the law relating to sureties would but for this provisions have effect of so relieving us. Our liability under this guarantee is restricted to Rs. _____ and shall remain in force up to _____ unless demand or claim under this guarantee is made on us in writing within 3 months from the date of expiry viz. _____. We shall be discharged from all liabilities under this guarantee thereafter.

This guarantee will not discharged due to change in the constitution in the bank or the said supplier / contractor.

The bank hereby agrees to address all the future correspondence in regard to this bank guarantee to Chairman & Managing Director, Artificial Limbs Manufacturing Corporation of India.

We, _____ the bank lastly undertake not to revoke this guarantee during its currency except with the previous consent of ALIMCO in writing.

Signed on the _____ day of

Witness

**Signature
For the Bank**