

		<p style="text-align: center;">HINDUSTAN AERONAUTICS LIMITED AVIONICS DIVISION HYDERABAD – 500 042</p>	
<p>Contact no: 91-40-23878281 ext. 4609, +91-40-23870073 Email: shantanu.nath@hal-india.co.in,s.nageswararao@hal-india.co.in (for Correspondence)</p>			
<p>GLOBAL TENDER NOTICE</p>			
<p>Sealed tenders are invited from original manufacturer(s) / accredited supplier(s) to procure the following items :-</p>			
Sl. No.	Description of items	Tender Reference No. HAL/HD/	Earnest money deposit
1	0.5 Ton Vibration Machine	CAP/581/CAPT902	Rs. 3.00 Lakhs *
2	Vibration System,Capacity:3.5 Ton		
3	Vibration System,Capacity:1 Ton		
<p>(* In case of foreign bidder, EMD to be submitted in any freely convertible currency of amount equivalent to the above EMD) Last date/time for receipt of sealed bids : 29.01.2019 at 16.30 hours Date/time for opening of bids : 30.01.2019 at 14:00 hours Kindly refer our website www.hal-india.co.in for further details /amendments / corrigendum /communications etc.</p>			
<p>AGM (IMM)</p>			



हिन्दुस्तान एरोनॉटिक्स लिमिटेड
एवियानिक्स प्रभाग
हैदराबाद- 500 042

संपर्क सं.: 91-40-23878281 विस्तार. 4609, +91-40-23870073

ई-मेल: shantanu.nath@hal-india.co.in, s.nageswararao@hal-india.co.in (पत्राचार के लिए)

वैश्विक निविदा सूचना

निम्नलिखित वस्तुओं के प्रापण के लिए मूल विनिर्मिता (ओं)/ प्रत्यायित प्रदायक (कों) से मोहरबंद निविदाएं आमंत्रित हैं:-

Sl. No.	वस्तुओं का विवरण	निविदा संदर्भ सं.एच ए एल/एच डी/	बयाना
1	0.5 टन वाइब्रेशन मशीन	सी ए पी/581/सी ए पी टी 902	रु. 3.00 लाख*
2	वाइब्रेशन प्रणाली, क्षमता: 3.5 टन		
3	वाइब्रेशन प्रणाली, क्षमता: 1 टन		

(* यदि बिड्डर विदेशी हो तो, उपर्युक्त बयाना राशि के समान की राशि किसी भी आसानी से परिवर्तनीय मुद्रा में दी जा सकती है)

मोहरबंद निविदाओं की प्राप्ति की अंतिम तिथि/ समय: 29.01.2019 को 16.30 बजे
बिडों को खोलने की तिथि/ समय: 30.01.2019 को 14.00 बजे

अधिक जानकारी/ संशोधन/ शुद्धिपत्र/ सूचना आदि के लिए हमारी वेबसाइट www.hal-india.co.in देखें।

अ.म.प्र. (आई एम एम)/ AGM (IMM)

TENDER NO:HAL/HD/CAP/581/CAPT902 DTD:21.12.2018		
CHECKLIST		
SL NO	PARAMETER	YES /NO
1	Quote is to be submitted in TWO bid pattern as mentioned in RFQ point:8.e	
2	Both technical and commercial bids are to be signed	
3	Only hard copy of bid to be submitted(no quote through email)	
4	Both technical bid and commercial bid should be identical in all respects except that the technical bid should be blank space at the price column where price have been stated in commercial bid	
5	Bidder is required to indicate prices against each individual item(not as package)	
6	EMD/EMD exemption certificate is to be submitted	
7	proof of EMD paid through wire/swift transfer to be attached with technical bid	
8	EMD in the form of BG should be as per HAL format of annexure-II only signed and stamped Integrity pact to be submitted along with technical bid(sign and designation of signing authority and witnesses to be available in IP)-Refer RFQ clause:39 for details	
9		
10	IP to be submitted in plain bond paper only	
11	confirmation of Security Deposit submission	
12	confirmation of PBG submission	
13	compliance statement to RFQ specification (point wise with supporting documents wherever applicable as per the tender specification) to be submitted along with technical bid	
Note:	Apart from the above points,all other points in RFQ also to be referred and taken care while quoting.	



**HINDUSTAN AERONAUTICS LIMITED
AVIONICS DIVISION**

(GOVERNMENT OF INDIA UNDERTAKING)
P.O HAL TOWNSHIP, HYDERABAD – 500 042 (TELANGANA), INDIA
HAL HYDERABAD GSTIN:36AAACH3641R1Z8

Phone: 040-23878281 Ext :4609
040-23870073

E-mail :1) shantanu.nath@hal-india.co.in
2) s.nageswararao@hal-india.co.in (for correspondence)

GLOBAL TENDER NOTICE

Hindustan Aeronautics Limited, Hyderabad invites sealed tenders to procure following stores from original manufacturer(s)/accredited supplier(s)

TENDER NO	SL no	ITEMDESCRIPTION	QTY(NOs)	EMD amount
HAL/HD/CAP/581/ CAPT902	1	0.5 ton Vibration Machine	1	Rs 3.00 Lakhs*
	2	Vibration System,Capacity:3.5 Ton	1	
	3	Vibration System,Capacity:1 Ton	3	

(* In case of foreign bidder, EMD to be submitted in any freely convertible currency of amount equivalent to the above EMD.)

1) The bids are to be submitted in TWO-BID pattern i.e (1) Technical bid and (2) Commercial bid in **two separate sealed covers distinctly marked accordingly with tender No. & due date and sealed inside a single envelope, which should be duly superscribed with tender Ref.No. and due date.**

2) A) Issue of Tender Documents: From 21.12.2018 to 29.01.2019

B) Last date for submission of tender bid: Date : 29.01.2019 upto 16.30 hrs.

C) Opening of tender bid (Technical Bid only): Date: 30.01.2019 at 14.00 hrs.

3) Tender Documents:

(a) The tender documents containing detailed specifications of items with terms and conditions can be downloaded from HAL website: www.hal-india.co.in .

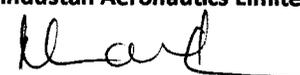
4) Earnest money deposit (EMD) in the form of Bank Demand Draft/ Pay Order/ Banker's Cheque/ Bank Guarantee only in favour of HAL, Hyderabad is required to be submitted by Bidders for requisite amount. EMD should be submitted along with Technical bid only. The EMD can also be paid through WIRE/SWIFT transfer. Transaction code should be indicated along with technical bid. Bidders exempted from submission of EMD as per Govt. of India directives must submit certified copy of Govt. of India authority for such exemption in lieu of EMD.

5) Vendor should submit signed and stamped integrity pact (as per annexure-V or VI attached here with) along with technical bid. Details are as per RFQ clause no:39.

6) The sealed offers shall be submitted on or before due date. HAL shall have no responsibility for delay or non-receipt of tender documents sent by post. Offers received late, conditional offer and incomplete offers will be summarily rejected.

5) HAL reserves the right to waive off any formalities or reject any or all the tenders received without assigning any reason whatsoever and bidders shall have no claim out off such action.

For Hindustan Aeronautics Limited


Authorized Signatory

**HINDUSTAN AERONAUTICS LIMITED
AVIONICS DIVISION**

(GOVERNMENT OF INDIA UNDERTAKING)
P.O HAL TOWNSHIP, HYDERABAD – 500 042 (TELANGANA), INDIA
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E-mail :1) shantanu.nath@hal-india.co.in
2) s.nageswararao@hal-india.co.in (for correspondence)

TENDER REF NO: HAL/HD/CAP/581/CAPT902 Dtd:21.12.2018 DUE Dt: 29.01.2019

SUB: INVITATION OF QUOTATION in TWO BID FOR “(1)0.5 ton Vibration Machine, (2)Vibration System,Capacity:3.5 Ton & (3) Vibration System,Capacity:1 Ton”

Please submit sealed quotation for supply, installation and commissioning of the following item (S):

TENDER NO	Sl no	ITEMDESCRIPTION	QTY(NOs)
HAL/HD/CAP/581/CAPT902	1	0.5 ton Vibration Machine	1
	2	Vibration System,Capacity:3.5 Ton	1
	3	Vibration System,Capacity:1 Ton	3

AS PER SPECIFICATIONS MENTIONED IN ANNEXURE –I(A),I(B),I(C) RESPECTIVELY ATTACHED HERewith

TERMS AND CONDITIONS OF THE TENDER

TENDERING PROCEDURES:

A) Two bid (technical and commercial) sealed separate quotations should be submitted following procedures as mentioned below.

B) The quotations should be sent in two parts i.e. (1) Technical Bid and (2) Commercial Bid.

Technical bid and commercial bid in two separate envelopes superscribing Tender NO. & Due Date(technical/commercial) and the two envelopes(technical and commercial bids) should be placed in a single envelope super scribing the Tender NO. & Due Date and address to AGM (IMM), Tender Box NO:3, North Gate , Hindustan Aeronautics Ltd., Balanagar, Hyderabad-500042,Telangana, India. EMD should accompany the technical bid. **Technical bid without EMD/EMD exemption certificate would be considered as unresponsive and will be summarily rejected.(For details on EMD clause, please refer point .14)**

Both the bids should be identical in all respects except that the Technical Bid should be blank space at the price where price have been stated in Commercial Bid.

Initially technical bids will be opened and will be evaluated accordingly. Commercial bids of only those vendors whose technical bids are found technically suitable and accepted, will be opened. Date and time for opening of commercial (price) bid will be intimated separately, if required.

1. Price

a) **The bidder is required to indicate prices against each individual items, if not complied bid will be summarily rejected.** Prices quoted should be in the currency of the country of supply or any other convertible foreign currency (to be specified by HAL in line with RBI / FEMA rules).

b) HAL being manufacturers, bidders to indicate in the quotation manufacturers discount if any.

c) Bidders to confirm that :

i. The prices quoted are the lowest export price and is the same as they would normally quote to Govt. Department.

Handwritten signature



ii. The price is in terms of the appropriate clause of the License Agreement. (Where License Agreement is in vogue).

d) Price quoted should be net FOB / FCA, export packed / FAS Vessel with no extra charge whatsoever (for foreign supplier) or FOR, Destination basis (for indigenous supplier)

e) (Optional Clause : Bidder should indicate separately cost of services rendered in India if any.)

f) If for special reasons, bidder prices are Ex-Works or F.O.B. plant, bidder must prepay inland transportation's. Port dues and shipment charges up to F.O.B. vessel at port of shipment and claim this amount of actual along with the price of the goods through bank. Bidder's quotation should indicate clearly the extent of such charges.

g) Tenderers should clearly mention whether the prices hold good when the full quantity of enquiry is not ordered but only a part of it. Unless otherwise mentioned, it would be assumed that the rates hold good even when lesser quantities than those enquired of are ordered. Any increase in prices at a later date for ordering lesser quantities will not be agreed to.

h) Preference will be given to firm prices. But should quoted prices be subject to variation, bidder is requested to give the following information:

i. The portion of the contract price which will be subject to such variation

ii. A breakdown of this variable figure into i) labour ii) materials

iii. An escalation formula linked to indices with a Cap should be given and escalation in price established with supporting documents. Price variation may be considered only if it occurs within the contractual delivery period.

iv. A further break down of materials giving the main classes of material involved i.e. steel, nonferrous metal etc.

2. Taxes :

a) In respect of Foreign bidders, bidders has to bear all taxes, duties and levies payable in their country and HAL will bear all statutory levies, other than withholding tax and service tax, payable in India.

b) Withholding Tax

i) HAL would be deducting at source applicable Income Tax as per Government of India Rules applicable at the time of making payments in respect of services rendered in India. (Generally on the amounts towards services like training, technical assistance offered by the bidder and license fees). As per the Rules, Income tax has to be borne by the recipient of the Income and relevant certificate to this effect will be issued to the bidder on deduction of such amounts, if applicable.

ii) Bidder should bear the applicable withholding income tax in India. Tax would be deducted at source by HAL as per DTAA where the bidder could claim the benefit of double taxation in their country as per the bilateral agreement between the two countries. Certificate to this effect would be issued by HAL to enable the bidder to claim the benefit under DTAA.

iii) Bidder is required to indicate the PAN No. issued by Indian Income Tax Authorities.

c) Any other statutory levies (as applicable) to be mentioned clearly in quote.

d) Kindly indicate the GSTIN of your firm in quotation.

Also kindly mention applicable GST with HSN code/SAC no (in case of service) for the quoted items. In case of GST registration not being done or delay in registration and noncompliance to any aspects wrt GST, bid may not be considered for further evaluation and HAL shall not be responsible in this regard. The onus for compliance w.r.t GST lies wholly with the bidders.

Handwritten signature



e) Taxes applicable i.e. CGST, SGST, IGST etc should be clearly mentioned in your Quotation.

3.Quantity :

a. The quotation must be in the unit in which the quantity is indicated in the enquiry. If it is otherwise, conversion data must be furnished.

b. HAL reserves the right to order quantity less than indicated in the enquiry /quoted for by bidder, at the prices quoted, without any reference to the bidder.

4. Supply of Alternative Item : Applicable descriptive literature/catalogue if any may please be enclosed by the bidder with offer (at least two copies). In case bidder is quoting for an alternative part number it should be confirmed that the offered part is fully interchangeable with the required part.

5. Shelf Life : Where stores offered have a limited shelf-life, kindly indicate the life involved and confirm that in the event of an order from us, only newly manufactured stores with the maximum possible shelf-life at the time of dispatch will be offered for shipment. In respect of rubber items such as seals etc., having cure date, the item should not have been manufactured earlier than 6 months of dispatch.

6. Validity of the Quotation : Price quoted should be net and unless otherwise specified should remain valid for our acceptance for a minimum of 180 days from the closing date of enquiry and the materials of offered should be kept under provisional reservation for this quotation.

7. Tender Due Date : The due date for submission of quote is **29.01.2019 at 16.30 Hrs.**

HINDUSTAN AERONAUTICS LIMITED

AVIONICS DIVISION

P.O HAL TOWNSHIP, HYDERABAD – 500 042 (TELANGANA), INDIA

8. Submission of Tender :

a.The bidder is required to submit bids directly to HAL either through post/courier in sealed cover with clear marking of bidder details. The cover should be marked with tender no., due date and bidders postal address. Response received, without bearing the bidder address will not be entertained. Bid submitted by bidder's authorized dealer / distributor/channel partner should accompany with ink signed authorization letter of the bidder to whom tender has been originally issued. In the absence of authorization letter, the bids submitted shall be considered an unsolicited.

b.Only signed copy of bid(both technical and commercial) submitted in hard copy will be accepted. Unsigned copy of bid received will not be considered. Bid should not be forwarded to the mail of correspondence.

c. The bid to be addressed to Mr. N. VEERA KUMAR , AGM(IMM), Tender Box NO:3, North Gate , Hindustan Aeronautics Ltd., Balanagar, Hyderabad-500042,Telangana, India or can be directly dropped in Tender Box NO:3, North Gate , Hindustan Aeronautics Ltd., Balanagar, Hyderabad-500042,Telangana, India

d. Submission of tender in two bid system:

e.In response to tender in two bid system, the bidders are required to submit technical bid and commercial bid separately. Each bid will be put in separate sealed cover marked with tender No., due date and indicated as technical bid or commercial bid as the case may be. Both sealed covers will be put in a single cover, which will again be sealed and superscribed with tender no. and due date.

f. The technical bid should also include EMD in original form. **Technical bid without EMD in original form /EMD exemption certificate will be rejected.** In case of EMD sent by SWIFT / Wire Transfer, Transaction Code should be indicated along with the technical bid. The technical bid will be considered for evaluation only after confirmation of receipt of EMD in time.

g. Bid received with technical bid and commercial bid in open condition inside one envelope will be rejected.
h. Submitting only one bid with rates and technical details as a single bid will be rejected.

9. Late Tender:

a. Bid received after the due date and time specified in the tender shall be considered as late tender and will not be considered.

b. HAL will not be responsible for loss or delay in receipt of tender documents / tender in transit.

c. HAL reserves the right to reject late or incomplete tender.

10. Opening of Tender :

a. Tender will be opened on **30.01.2019 at 14.00 Hrs.** at
HINDUSTAN AERONAUTICS LIMITED
AVIONICS DIVISION
P.O HAL TOWNSHIP, HYDERABAD – 500 042 (TELANGANA), INDIA
Bidders or their authorized reps. are desirous to attend the tender opening may forward written confirmation with name of authorized person and designation prior to tender opening.

b. During tender opening only the important particulars like price, delivery terms will be read out.

11. Tender Evaluation:

a. Bid received in different currency will be converted to Indian Rupees. The TT selling rate for foreign currency exchange rate for conversion will be adopted as per the SBI HAL Campus, Hyderabad Branch in India as on date of tender opening.

b. Bid with lowest price conforming to the specification will be considered for placement of order.

c. If the bidder considers that tendered quantity is small, the bidder may quote for Minimum Ordering Quantity (MoQ). Commercial evaluation in this case will be done on MoQ x unit price, if MOQ offer beyond 20% of RFQ quantity.

d. If two or more bidders quote the same price, HAL reserves the right to seek revised offer from the same bidders and placing order on revised L-1 offer. If same situation prevails then HAL reserve the right to place order on any of them.

e. If the lowest bidder has not offered full quantity, for the balance quantity HAL reserves the right to source from other bidders at L-1 price.

f. Conditional discounts will not be considered in evaluation of tender.

g. In respect of two bid system, technical bid will be opened on the tender opening date. After technical evaluation, the Commercial bids of those bidders who are technically acceptable will be opened.

12. Supply of Samples:

Samples submitted for any reasons shall be supplied without charge and freight paid and without any obligation on the Purchaser as regards safe custody. All samples submitted must be clearly labeled with the bidder's name and address and tender number. If the bidder submits the samples with his tender the same shall not govern the standard of supply except when it has been specifically stated in the Purchase Order that it is accepted instead of any sealed pattern. Should certified samples be lent to a bidder by HAL the bidder is responsible for the return in perfect order of all certified samples with the labels intact.

13. Others:

a. In the case of airborne material, the same should be covered by a Release Note or Airworthiness Certificate countersigned by person/s authorized by Government Airworthiness Certifying Authority.

b. Please indicate approximate net weight of each of the item and gross weight and dimension of the package to enable HAL to determine the mode of dispatch.

c. Please indicate in your tender, whether stores newly manufactured are offered. Where newly manufactured stores are offered and on inspection it is found that reconditioned stores or parts have been used, such stores will be rejected at the contractor's risk and expense.

d. Please furnish list of similar equipments supplied in HAL or anywhere in India with customer's full address, value and telephone/telex etc. (if applicable)

e. Please indicate if any training arrangements for item/system in India and factory acceptance test if required.

f. Please also indicate necessary onsite technical support during installation of the system at no extra cost.

g. Vendors should ensure the availability of spares of the offered products for a period of 10 years.

h. Two sets of operation manuals/maintenance manual should accompany the system at no extra cost. (if applicable)

i. Please also indicate status of export permit based on the present rules/regulations of your country and normal time frame for obtaining such export permission if an order is placed on you in near future and the same should be covered within the delivery schedule indicated.

j. Vendors while submitting the proposal should categorically declare that items quoted by them are their own manufactured products and are not resold (2nd sale). Offers without such declaration are likely to be ignored.

k. Quotation should accompany the detailed catalogues and literature.

l. Vendor should confirm that they are the original manufacturer of the stores referred to in this contract and has not engaged any individual or firm whether Indian or foreign whatsoever, to intercede, facilitate or in any way to recommend to the Government of India or any of its functionaries, whether officially or unofficially, the award of the contract to the seller nor has any amount been paid or intended to be paid to any such individual or intended to be paid to any firm in respect of any such intercession, facilitation or recommendation, vendor accepts that if it is established that the present declaration is in any way incorrect and if at any later stage it amount/commission to such individual/firm, vendor will be liable to pay the similar amount to HAL for engaging such individual/firm and making the payment as commission. In addition, vendor will also be debarred from entering into any supply contract with the Ministry of Defence, Government of India for a minimum period of 5 years. Vendors shall also consider cancellation of the contract without any entitlement or compensation to vendors who shall also be liable to refund all payments made by HAL in terms of the contract along with the interest at the London inter bank offer rate (LIBOR)

m. The Harmonized System of tariff nomenclature against the items for which quotation is rendered should be indicated.

- n. For the Raw materials (in forms of bar, sheet, wires etc) (applicable for RFQs for raw material)
- i. Release note/ OEM certificate of conformity with physical and chemical test report is required along with the supply.
- ii. Requested to include the Box Charges / Packing Charges / Phytosanitary regulation Charges in the unit quoted price if any. (otherwise indicate separately charges for each item)
- o. Manufacturer's name and country of origin of the materials offered must be clearly specified. Complete details and illustrated literature must accompany all quotations. **In case of an order, while supplying of the items, country of origin certificate should be provided along with the consignment.**
- p. Vendors should clearly indicate similar equipment supplied on global basis to Aircraft manufacturing industry, to any Division of HAL and other reputed/Govt customers and anywhere in India with customer's full address, telephone/telefax No., P.O. No., value and year of supply.
- q. Quotation should be free from correction, over-writing, using correcting fluid etc.
- r. All drawings (photo/sketches) sent by HAL should be returned with quotations, if bidder is unable to quote HAL drawings/photos/sketches should also be returned immediately along with regret letter.
- s. HAL is not bound to accept the lowest or any quotation and reserves the right of accepting the whole or any part of the quotation or part of the quantity offered and bidder must supply the same at the rate quoted.
- t. Vendor shall not be entitled without HAL's consent to assign or transfer to a third party all or part of the benefits or obligations under this contract.

14. Earnest Money Deposit :

- a. EMD for a value of **Rs 3.00 Lakhs*** to be submitted in favour of Hindustan Aeronautics limited .Avionics division, Hyderabad in the form of DD/Banker's Cheque/Pay Order/Bank Guarantee of Scheduled Bank, EMD should be valid for 28 days beyond the validity of the bid. The EMD can also be paid through WIRE/SWIFT transfer, the proof of which shall accompany the bidder's offer. For sending swift please find below the bank details:

State Bank of India
HAL Campus Branch
Hyderabad-500042
Swift Code:SBININBB312
IFSC Code:SBIN0001676

***In case of foreign bidder, EMD to be submitted in any freely convertible currency of amount equivalent to the above EMD.**

- b. Offers not accompanied with requisite amount of EMD or EMD not submitted in the specified form in original or EMD exemption certificate as per GOVT of India directives shall be summarily rejected.
- c. EMD will not carry any interest for the period it is retained with HAL. EMD will be forfeited if a bidder withdraws, amends, impairs and / or derogates within validity period.
- d. **Bidders exempted from submission of EMD as per Govt. of India directives must submit certified copy of Govt. of India authority for such exemption in lieu of EMD. It may be noted that as per MSME guidelines, policy is only meant for procurement of only goods produced and services rendered by MSEs. However, traders are excluded from the purview of public procurement policy.**
- e. EMD of unsuccessful bidder will be returned after order acceptance by the successful bidder. Bidders

are required to provide the Bank details along with quote for returning of EMD in case of unsuccessful bid.

f. In case of two bid system EMD in original form should be enclosed along with the technical bid. Technical bid without EMD in original form will be rejected. In case of Wire/Swift transfers the transaction code is to be mentioned in the technical bid. The technical bid will be accepted only after confirmation of receipt of EMD in time

g. EMD remittance document, either in Indian currency or any other convertible currency of the specified amount, can be arranged by the Indian subsidiary/branch office in India of a foreign bidder which shall be submitted along with a certificate confirming the relationship of subsidiary/branch office in the bidder's offer.

If bank guarantees are received from foreign bank, the foreign vendor may submit BG issued by foreign branches of banks operating in India. Where the foreign bank does not have branches operating in India, the BG issued by the foreign banks should be got confirmed by one of the Scheduled banks in India. The charges for confirmation of the BG should be borne by the foreign vendor. In case of BG to be issued by the foreign bank towards EMD, the original BG should accompany with authentication letter received from schedule bank in India. Otherwise the BG submitted by foreign bank will not be considered.

h. Format of EMD is as per **Annexure-II**

15. Warranty: Warranty is after the goods have been taken over by HAL against any defective design, workmanship, materials and non-conformance to intended performance. (Optional Clause : During warranty minimum uptime of 95% shall be ensured failing which warranty period shall deem to be proportionately extended). During warranty period equipment shall be replaced/ repaired free of cost including any to & fro freight/insurance involved. Supplier shall attend to warranty calls within 48 hours notice.

16. POST-WARRANTY SERVICE Arrangements for after sales service and maintenance (authorized service centre) in India on site during warranty & post warranty period should be clearly indicated providing with name, address, phone, fax, contact person, infrastructure along with spare parts inventory held by your Authorized Technical Service Center. The vendor to indicate the validity period of authorization for the technical service center.

17. Liquidated Damages :

In the event of an order, we reserve the right to collect a sum of 0.5% per week (on basic cost only excluding taxes & duties, if such details are furnished separately in the bid submitted) of delay or part thereof, subject to a maximum of 10% as our claim-towards liquidated damages on the undelivered part of the order.

If the LD clause is not acceptable by the bidder fully/partially, the corresponding LD value not agreed by the bidder, will be loaded in the price comparative statement to determine successful bidder.

In case, quotes received without indicating the breakup details of taxes and order placed subsequently on composite value (with out indicating break-up details of taxes & duties) then the LD to be deducted on the composite value (including taxes & duties) of the delayed deliveries.

18. Delivery :

i. Deliveries quoted should be firm (or as per the schedule indicated).

ii. Please confirm whether the item/equipment quoted/ offered is of-the-shelf or to be manufactured specific-to-type. If the items/equipment is manufactured specific-to-type, bidder to quote firm delivery schedule taking into consideration of the period actually required based on the complexity of the equipment. In the event of an order, HAL reserve the right to claim towards liquidated damages on the undelivered part of the order. This clause will be strictly followed by HAL. Therefore your delivery schedule should be firm and definite.

iii. If installation and commissioning of the equipment is required to be done by bidder at HAL site, bidder to indicate the period required for the above job from the date of intimation of readiness of site at our premises.

iv. Bidder to note that the delivery schedule should be for:

A) Period required for the delivery/dispatch of equipment and

B) Period required for installation and commissioning of the subject equipment after intimation from HAL about readiness of the site.

v. Supplier should clearly mention from where the material will be delivered i.e Place of Delivery for each item to be quoted along with contact person's number with email id.

19. Inspection:

Items will be inspected by our inspection department and their decision on the matter will be considered final. Item rejected as a result of such inspection shall be replaced by you free of cost and all charges for delivery of the same at our works at HAL will be to vendor's account.

20. Terms of Payment:

i) In accordance with our standard practice, payment against any order materializing out of your offer, will be against presentation of documents through the State Bank of India HAL Branch, Balanagar, Hyderabad, India.

ii) As a matter of policy HAL arrange payments to the extent of 80%, through SIGHT DRAFTS presented through our Bankers. 20% after delivery and acceptance and fulfillment of all contract obligations and on the submission of Performance Bank Guarantee for 10% of the order value to cover the warranty period.

iii) If under unavoidable situations payment has to be made through Letter of Credit, the same can be established for 80% of the order value before three months from the date of dispatch. All bank charges are to be borne by the vendor. Balance 20% will be paid directly through bank after delivery and acceptance and fulfillment of all contract obligations and on the submission of Performance Bank Guarantee for 10% of the order value to cover the warranty period.

iv) For indigenous supplier, in the event of an order, 100% payment will be made within 30 days after receipt, inspection and acceptance at our stores by RTGS or any other latest electronic payment remittance mode.

21. Performance bank Guarantee:

Vendor has to furnish a Performance bank Guarantee as per HAL's format for 10% of order value (to be calculated only on basic cost excluding taxes & duties, if such details are furnished separately in the bid submitted) valid till end of Guarantee/Warranty period from a scheduled bank in India/Bank of international repute (for foreign vendor) from the date of acceptance/commissioning or otherwise equivalent amount shall be retained till completion of warranty period and other obligation of purchase order/contract. In case, quote received without indicating the breakup details of taxes and order placed subsequently on composite value (without indicating breakup details of taxes & duties) then the PBG to be submitted on the composite value (including taxes & duties).

In case vendor does not agree for Performance Bank Guarantee / retention of equivalent amount, the offer will be summarily rejected.

Indian bank PBG should be submitted in stamp paper only, if bank guarantees are received from foreign bank, the foreign vendor may submit BG issued by foreign branches of banks operating in India. Where the foreign bank does not have branches operating in India, the BG issued by the foreign banks should be got confirmed by one of the Scheduled banks in India. The charges for confirmation of the BG should be borne by the foreign vendor. OR if foreign bank guarantee is received directly from Foreign bank then it should be in MT760 Format. BG is to be submitted directly by issuing bank under Registered Post(AD) to HAL address.

Format of BG is as per **Annexure-III**

22. Security Deposit:

Successful tenderer shall have to furnish Security Deposit @ 5% to value of Purchase Order as security deposit (to be calculated only on basic cost excluding taxes & duties, if such details are furnished separately in the bid submitted) within 15 days of receipt of the purchase order, by way of crossed Demand Draft or Bank Guarantee in the prescribed format of HAL from a schedule bank in India or bank of international repute (for foreign vendors) in favour of Hindustan Aeronautics Limited, Hyderabad for the due fulfillment of the Purchase Order valid upto 60 days after the completion of contract period/last supply. In case, quotes received without indicating the breakup details of taxes and order placed subsequently on composite value (without indicating breakup details of taxes & duties) then the security Deposit to be submitted for the composite value (including taxes & duties).

In case, breach of contract or failure of contractual obligations at the part of supplier then Security Deposit amount will be forfeited. In addition an alternate action for procurement of requisite items will be taken by HAL at the risk and cost of default supplier. Security Deposit amount will not bear any interest for the period it is retained with HAL and will be returned only after the contract is completed to the entire satisfaction of HAL. This amount is likely to be forfeited in the event of failure to execute the contract as per the terms and conditions laid down in the agreement.

Indian BG should be submitted in stamp paper only, if bank guarantees are received from foreign bank, the foreign vendor may submit BG issued by foreign branches of banks operating in India. Where the foreign bank does not have branches operating in India, the BG issued by the foreign banks should be got confirmed by one of the Scheduled banks in India. The charges for confirmation of the BG should be borne by the foreign vendor. OR if foreign bank guarantee is received directly from Foreign bank then it should be in MT760 Format. BG is to be submitted directly by issuing bank under Registered Post (AD) to HAL address.

Loading factor of 5% towards Security Deposit shall be considered while preparing price comparative statement of bidders who have not agreed for submission of Security Deposit.

Format of Security deposit is as per **Annexure-IV**.

23. Export License:

Vendors should categorically confirm the availability of export license from their government for exporting the system. Vendor shall be required to obtain and maintain all Export/Import licenses and permits etc., as the case may be, required for performing supplies against this tender. Obtaining export license shall be entire responsibility of the vendor.

24. Settlement of Disputes and Arbitration: All disputes arising out of the contract shall be settled as per Laws of India/ Rules of Arbitration of ICA/ICADR.

25. Immunity to Government of India: It is understood and agreed that the Government of India is not a party to this agreement and has no liabilities, obligations or rights hereunder. It is expressly understood and agreed that HAL is an independent legal entity with power and authority to enter into contracts solely in its own behalf under the applicable Laws of India and General Principles Contract Law. The vendor shall agree, acknowledge and understand that HAL is not an agent, representative or delegate of the Government of India. It is further understood and agreed that the Government of India is not and shall not be liable for any acts, omissions, commissions, breaches or other wrongs arising out of the contract. Accordingly, vendor expressly waives releases and foregoes any and all actions or claims against the Government of India arising out of this contract, not to sue the Government of India as to any manner, claim, and cause of action or thing whatsoever arising out of or under this agreement.

26. Fall Clause:

a) The price charged for the stores supplied under the contract shall be in no event exceed the lowest price at which the contractor sells the stores or offers to sell stores of identical description to any persons/organizations including the purchaser of any department of the Central Govt. or any Dept. of the State Govt. or any statutory undertaking of the Central or State Govt., as the case may be during the period till the performance of the supply order placed and during currency of the contract is completed.

b) If at any time during the said period, the contractor reduces the sales price, sells or offers to sell such stores to any person/organization including the purchaser or any department of Central Govt. or any Dept. of State Govt., or any statutory undertaking of the Central or State Govt., as the case may be at a price lower than the price chargeable under the contract, he shall forthwith notify such reduction/sale or offer to sale to the Hindustan Aeronautics Limited and the price payable under the contract for the stores supplied after the date of coming into force of such reduction or sale or offer to sale shall stand correspondingly reduced.

27. Involvement of any Agent and Middlemen:

No involvement of Agents or Middlemen in India or abroad in any capacity whatsoever is permitted at any stage in relation with this tender and the resultant contract. Vendor shall confirm that he has not appointed any agent in India to promote this contract and that no commission etc. is payable to any such agent in connection with this contract. Vendor shall also confirm that he has neither paid nor will pay any commission, fee or any such charges to any agent in connection with the award and execution of this contract. Should it be subsequently proved that such a commission, fees or charge has been paid, contrary to the foregoing, buyer shall be entitled to terminate this contract forthwith. The buyer shall also be entitled to recover from the seller an amount equal to the commission, fees or any such charge proved to have been paid.

HAL has not appointed / authorized any person / agent to deal with the vendors in respect of the said contract. In case, if someone claims and interacts with the vendors it shall be duty of the vendors to bring such instances to the notice of HAL Management

28. HAL conditions of contract will govern any resultant order arising out of the enquiry (copy on application) and bidders quotation will be subject to the said conditions.

29. Bidder is required to send **REGRET REPLY**, in case the subject item is not covered in bidders range of products.

30. In the development orders, where technical inputs/assistance is provided to the vendors, the Intellectual Proprietary Rights (IPR) will rest with HAL. Vendor will not directly deal with HAL's customer for these items.

31. GENERAL CONDITIONS: (for Technical and commercial Bids)

- 31.1 The bids should be free from over-writing / overtyping and correction etc.
- 31.2 The bid is liable to be rejected, if complete information as asked for are not given in the bid.
- 31.3 No responsibility shall be attached for premature opening of the bid(s), not properly addressed and identified
- 31.4 All pages of Technical bid Quotation, including Schedule and Annexure of quotation should be signed by the tenderer.
- 31.5 Negligence on the part of the bidder in preparing the bid confers no right to withdraw the bid after it has been opened.
- 31.6 HAL will not be responsible for the loss or delay or non-receipt of tender documents sent by post. HAL reserves the right to reject late, conditional and incomplete offers.
- 31.7 All necessary operational safety precautions are to be incorporated in the quoted item
- 31.8 The tenderer should indicate the name of Original Equipment Manufacturer of their quoted items along with Authorization letter.
- 31.9 Whenever the specification of item in Schedule/Annexure's is considered incomplete, the tenderer should give complete specification of item in their quotation.
- 31.10 In case of indigenous supplier, the statutory levies such as duties and taxes should be specified in their quotation. In case of foreign suppliers, taxes and duties in foreign country are to supplier's account.
- 31.11 HAL is not bound to accept the lowest or conditional price and reserves the right of accepting the whole or any part of the offer/ quantity offered and supplier must accept order for quantity less than indicated in Tender notice and supply the stores at the quoted rates.

- 31.12 Disregard of any Terms and Conditions contained herein may result the offer being rejected without any information to the vendor in writing or otherwise.
- 31.13 Revision of specification and / or prices by the vendor, at any stage, after submission the quotation shall not be entertained. Any such offer after due date of Tender enquiry will be rejected.
- 31.14 HAL may not provide CUSTOMS DUTY EXEMPTION CERTIFICATE.
- 31.15 Our conditions of contract will govern any resultant order arising out of the tender enquiry and your quotation will be subject to the said conditions
- 31.16 Terms and conditions of quotation which are contrary to terms and conditions of the tender documents are not acceptable
- 31.17 The Specifications of items as mentioned in Tender Specifications should be complied.
- 31.18 Quotation from Indian agent on behalf of foreign supplier is not acceptable
- 31.19 Test certificate should be provided as mentioned at individual specifications of items
- 31.20 Canvassing in any form shall disqualify the tenders.
- 31.21 Vendor is requested to indicate whether your firm is registered with MSME/NSIC with the following details along with the offer

If yes, please provide following details with documentary evidence

- a) Whether your firm is micro/Small/medium industry
- b) whether firm is led by SC/ST/Lady/Others
- c) kindly provide UAM no.

31.22. MSME vendors are eligible for benefits as per public procurement policy for MSEs order 2012, only if the MSME bidders declare UAM number and submit the copy of UAM certificate along with the bid.

31.23. Import content: Confirm the percentage of import content in the offered price against each item in your quotation. If no import content is mentioned in the quote it will be considered as zero by default

31.24. If Supplier having turnover less than Rs.20.00 lacs (as per Govt guidelines on GST from time to time), it should be clearly mentioned in the Quotation and also proof of the same should be provided along with Quotation.

31.25. In a tender, either the Indian distributor on behalf of principal/OEM/OEM itself can bid but both cannot bid simultaneously for the same item/product in the same tender.

31.26. If an agent submits bid on behalf of principal/OEM, the same agent shall not submit a bid on behalf of another principal/OEM in the same tender for the same item/product.

32. Supplier should clearly mention GST Registration no (both HAL GSTIN no & Supplier GSTIN no), HSN code / SAC and GST Invoice should be uploaded in the GST portal and supplies should be affected and information regarding dispatch should be given to concerned Purchase Officers. The same GST Invoice along with GST Registration no, HSN / SAC code for the items supplied to be provided to HAL. Payment will be released only after confirmation from the vendor that the Invoice with all details uploaded in GST portal.

33. The stores rejected by HAL inspector must be removed by the vendor within 30 days from the date of receipt of intimation of rejection and at his own cost, failing which the vendor shall be liable to pay storage charges @ 1% per each day of delay of the invoice value of the stores. If the stores are not removed within a month from the date of intimation of rejection, the stores will be liable to be sold by HAL at the vendor's risk and responsibility and the proceeds adjusted towards storage charges.

34. Repeat order: HAL may place repeat order up to 100% of the value of the original order after the placement of the original order, but within 12 months from the date of completion of original order.

35. CONFIDENTIALITY

The Supplier shall hold confidential technical data and information supplied by the Purchaser or on behalf of the Purchaser and shall not reproduce any such technical data or information or divulge the same to any third party without the prior written consent of the Purchaser. The Purchaser shall hold confidential technical data and

information supplied by the Supplier or on behalf of the Supplier and shall not reproduce any such technical data or information or divulge the same to any third party without prior written consent of the Supplier except as far as may be necessary for either party to carry out its obligations under this Contract.

36. EXIT CLAUSE:

- A) The contract/ order may be terminated under the following circumstances:
- a) In the event of unsatisfactory performance by the vendor during the contract period, or any of the information provided by the supplier is found to be untrue, or supplier is found to have attempted to influence any person involved with the contract through unethical means, the contract shall be terminated with one month advance notice without any financial implications to HAL. Notwithstanding the forgoing, in cases where it is found that a supplier is engaged in unethical practices, the same shall be barred from participating in the future contracts for a period indicated in the purchase manual.
 - b) If there is change in customer requirement, contract shall be terminated with one months advance notice. The liability of HAL in this case will be agreed mutually.
 - c) The supplier is declared bankrupt or becomes insolvent.
 - d) The delivery of material is delayed due to causes of Force Majeure by more than one months.
 - e) Based on the decision of the Arbitration tribunal.
- B) In the event of termination of contract by either party the supplier shall ensure the following:
- a) IPRs are transferred to HAL to enable HAL to proceed on the work with other suppliers. Suppliers also will render all assistance till the other suppliers fully take over the balance work.
 - b) Transfer title and deliver all or any part thereof of the supplies, materials, work in progress, finished products, tooling, drawings and data produced or acquired by vendor specifically for the product being terminated.
 - c) Supplier shall ensure supply of products and its components/ spares at least for a period of five years from the date of such termination.

37) Risk purchase:

Delivery date / period, any stoppage or discontinuation of ordered supply / awarded contract without written consent by buyer or not meeting the required quality standards, the buyer shall be at liberty, without prejudice to the right of the buyer to recover liquidated damages / penalty as provided for in these conditions or to any other remedy for breach of contract, to terminate the contract either wholly or to the extent of such default. Amounts advanced or part thereof corresponding to the undelivered supply shall be recoverable from the seller at the prevailing bank rate of interest.

The buyer shall also be at liberty to purchase, manufacture or supply from stock as it deems fit, other articles of the same or similar description to make good such default and or in the event of the contract being terminated, the balance of the articles remaining to be delivered there under at the risk & cost of seller. Any excess over the purchase price, cost of manufacture or value of any articles supplied from the stock, as the case may be, over the contract price shall be recoverable from the seller.

38) Purchase Preference clause: In line with Public Procurement (preference to Make in India), Order 2017 issued by Govt. of India & with a view to support the Indian Industries by way of providing purchase preference, HAL has implemented "Purchase Preference Policy". The purchase preference is applicable for the "Local supplier" for the items/services covered in this tender and this policy will be functional while evaluation of tender. **Appendix-A** may be referred in this regard.

39) Integrity Pact (IP):

Vendors/Bidders/sellers, only those who commit themselves to IP with HAL would be considered competent to participate in the bidding process. In other words, entering into this pact would be a preliminary qualification.

Signed IP (as per the HAL format only) to be submitted along with the technical bid. Technical Bids will not be evaluated and quote will be rejected in case vendor does not commit to IP. Signed IP to be submitted in Plain bond paper only.

IP should cover all phases of the contract i.e. from the stage of Notice Inviting Tender (NIT) / Request For Quotation (RFQ) till the conclusion of the contract i.e. the final payment or the duration of warranty / guarantee.

Annexure - I (A)

Specification of 0.5 ton Vibration Machine

(A) ELECTRODYNAMIC SHAKER:

1. Nominal force:-----
 - a) Sine : 500kgf \pm 10% peak
 - b) Random : 400 \pm 10% kgf rms
2. Frequency range : DC to 3500 Hz-----
3. Velocity: 1.0 m/sec (min) for sine-----
4. Displacement: 25 mm p-p (min)-----
5. Acceleration: 100 g peak (min) for sine; 50 g rms (min) for Random.-----
6. Armature Dia (Top) >175mm-----
7. PCD of bolt circle 150mm with M8 inserts-----
8. Stray magnetic field should be <5 gauss with degaussing coil ON-----
9. Cooling system: Air cooled-----
10. Length of hose for cooling air (shaker to blower): 7 meters min.-----

(B) AMPLIFIER FOR SHAKER:

1. Type: Air-cooled Power Amplifier should be matched with shaker to achieve the rated Sine, Random and shock testing capabilities. Amplifier should be compatible with all standard controllers.-----
2. Input Sensitivity: 1 Vrms input for 100 Vrms output (Differential input)-----
3. Amplifier efficiency: \geq 90%-----
4. Protection: Amplifier should have all standard safety interlocks and monitoring with onboard display indicators.-----
5. Electrical wiring & mains power: All wiring suitable for 415 VAC \pm 10%, 50 Hz 3 phase. (or) 230V \pm 10%, 50Hz, 1 phase-----

(C) VIBRATION CONTROLLER

1. Suitable shaker controller of latest version with following specification to be provided
8 Channel controller having (all simultaneous inputs)
 - a) ICP, Voltage and TEDS signal conditioning, coupling: AC & DC
 - b) Drive and COLA output channels, analog and digital filter
 - c) Digital I/O for remote control
 - d) Integrated manual abort button
 - e) USB interface/Ethernet port and cable
 - f) Re- calibration software
 - g) Input voltage \pm 10V peak-peak.
 - h) Resolution 24 bit (individual ADC for each input)
 - i) Input sensitivity programmable from 10m.V/g to 1000m V/g
 - j) signal to noise ratio : 100 dB or better
- Make: B&K/LDS UK/VRC USA/SD USA/DP

(D) SHAKER CONTROL APPLICATION SOFTWARES

Software pack comprising of following modules

- Sine control
- Random control
- COLA output with frequency trim
- Classical shock control

- Export graphics and data utility
- Test data overlay
- Word report generator.

User should be able to export data (time and frequency domain) for all the active input channels (control/monitor/measure) in ASCII & MATLAB formats

(E) OTHER SUPPLIES :

1. Computer (Windows) with latest technology, min 512MB graphics Memory, 4GB RAM ,500GB HDD, latest DVD Writer, Ethernet card, Multi Media Key Board, 19" TFT Color Monitor, Windows latest OS and HP Color LaserJet Printer should be provided. Operating system of the PC to be compatible to run shaker controller software.
2. 4 nos. of 10mV/g ICP type Calibrated Uniaxial Accelerometers with 3m or more length Cables should be provided.

(F) ELIGIBILITY CRITERIA:

1. The following points must be strictly complied by the vendor and necessary documentary evidence must be provided.
 - a. Vendors who have supplied 0.5 Ton or higher capacity vibration stands should only quote. List of Customer details (Preferably Govt. organisations) along with contact details shall be provided. HAL reserve right to contact your customers for feedback on performance of vibration stands and service support. Offers will be rejected if information is found incorrect/ false.
 - b. Vendors are requested to quote only their standard/proven product to our requested capacity or higher. Broacher/ catalogue against that model should be supplied along with the quote. Furnish the information of customers along with contact details to whom the quoted model is supplied. Performance certificate from previous customer to be provided along with Technical Bid.
 - c. Vendor should have established service support in India for the past 3 years. List of service centers/ Service engineers to be enclosed.
 - d. Vendor should confirm the service support for the next 15 years. Product should be of latest in technology and maintainable for next 15 years. Vendor should inform well in advance if any upgration takes place in the design.
 - e. Any vendor (agency/subsidiary) should be representing the same OEM for minimum period of 2 years & must provide suitable evidences

(G) OTHER CONDITIONS

1. Manuals: Two sets of instruction manuals in English should be supplied along with the system. Backup copies of all software and O.S should be supplied in CDROM / Memory Stick.
2. Installation: Installation & Commissioning at HAL, HYDERABAD.
3. Acceptance Tests: Performance demonstration and acceptance tests as per specifications at site HAL, Hyd after installation. Inspection report at factory to be provided
4. Warranty: 2 year from HAL date of acceptance of the system optional.
5. Training: Training to be given to HAL engineers by the vendor at HAL, Hyderabad.
6. List of spares required for trouble free operation of the equipment for next 5 years should be quoted separately.

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B.S. NAGESHWAR RAO NAIK
वरिष्ठ प्रबंधक (आयुध प्रम) (एम)
Senior Manager (AMM), S
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Annexure-I (B)

Specification for Vibration Stand cum impact stand-3.5T

1. VIBRATION TEST SYSTEM consisting of vibrator, power amplifier, digital controller, slip table and accessories have to be supplied installed and commissioned at HAL, Hyderabad to meet the following technical specifications in accordance with ISO -5344-2004(E) standards.

Sl.No.	SHAKER	
1	Nominal force Sine Random	3500 kgf 3500 kgf with a test load of 500 Kgs
2	Frequency range of operation	DC to 2800 Hz
3	Armature resonance of bare table	>2000 Hz
4	Armature weight	< 45 kgs
5	Velocity Sine Shock	≥ 1.8m/s ≥ 3.5 m/s
6	Displacement	≥ 50 mm pk-pk
7	Acceleration Sine Random	≥ 85 g peak (bare table) ≥ 70 g rms (bare table)
8	Cross axis response	≤ 10% of the operating frequency range 5-200Hz except at resonance
9	Stray magnetic field at 150 mm from the armature surface.	≤ 1 mT, with degaussing coil ON
10	Static loading capacity	≥ 500 Kgs on bare table (without external load support platform)
11	Armature dia (Top) & armature	≥ 400mm and armature casting to be radio graphed as per ASTM E94. Certificate to be provided from authorized agency. Please refer the PCD pattern as per the attached drawing figure 1.
12	Shaker cooling system	Air cooling, necessary blower to be provided
13	Armature suspension	Rolling strut assembly design or copper beryllium or carbon-carbon flexures Fatigue life of the flexures with bare table should be estimated experimentally and certificate to be provided.
14	Rotating mechanism with reduction gear for assembling shaker to slip table (without disturbing or removing of the slip table) to be included with shaker	
15	Additional requirements:	
i)	Automatic load compensation system / Auto centering system for armature	
ii)	Air isolation trunnion	
iii)	Complete technical literature of the vibrator, power amplifier, controller, head expander and load support platform should be enclosed	
16	Flatness of armature table, Head Expander and slip table : ≤ 1.6 μm Flatness tolerance of contact area should be 0.1mm per meter (ISO -5344)	

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17	Vibrator system should be designed for an ambient temperature of up-to 45 deg C	
II HEADER EXPANDER		
1	Material	Magnesium alloy
2	Size and pattern	Mg alloy with M10 SS inserts. As per the attached drawing figure 2.
3	Radiographic inspection of casting from which head expander is to be made (ASTM E 94) and the certificate is to be provided from a certified agency for head expander and armature	
4	Stain less steel threads inserts have to be provided for tapped holes	
III SLIP TABLE :		
1	Type	Combo ,shaker and slip table, mounted on a standalone single structure, providing permanent alignment of shaker with slip table with air isolation
2	Material	Magnesium alloy
3	Slip plate dimensions	Min 1100mm x 1050mm
4	Slip table pattern	Magnesium slip table with M10 SS inserts. As per the attached drawing figure 3.
5	Hydraulic power pack	Suitable to the slip table
6	Drive bar	Tension bolt type
7	Frequency Range of operation	5 Hz to 2000 Hz
IV POWER AMPLIFIER:		
1	Type	IGBT/PWM based switching amplifier of Class 'D' or better , modular
2	Frequency range of operation	DC-3000Hz to match shaker requirement
3	Cooling	Air cooled
4	Length of the cable between power amplifier to shaker	≥ 20 ft with necessary power compensation
5	Power Loss protection	The amplifier should have synchronized power loss protection facility to have a smooth shut down in the event of power failure.
6	Power Amplifier should have a local oscillator for its diagnostics and vibrator health monitoring in open loop.	
7	EMI/EMC protection to be provided to the power amplifier unit.	
8	The following inter locks to be provided for safety of the vibrator system and the indicators to be provided on the power amplifier	
	Protection: Amplifier should have all standard safety inter locks and monitoring	

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Senior Manager (I.T.M.)

I(B)

a	Interlocks	i) Amplifier cooling ii) vibrator cooling iii) vibrator over travel iv) Field failure v) Module over current vi) Cabinet door open vii) Single Phase Protection Inter lock viii) Hydraulic power supply ON for slip table mode
b	Indication system level with green and red lights	i) Output over current ii) Output over voltage iii) Output short circuit iv) Output DC fault v) Aux power supply on vi) Amplifier cooling failure vii) Amplifier over temperature viii) Vibrator cooling ix) Vibrator over travel x) Vibrator over temperature xi) Field failure xii) Supply low/high voltage xiii) Cabinet door open xiv) Emergency stop xv) To include a diagnostic panel with fault indicator xvi) Hydraulic power supply for split table xvii) Phase failure
9	Electric wiring and main power	415 VAC \pm 10%, 50Hz, 3phase, neutral, earth
10	Electric safety	Residual current detecting (RCD) devices have to be installed in front panel of power amplifier and remote control panel, RCD should trip the panel in less than 25 msecs once it senses 30 mA current as per IEC 60755 3 phase protection (if one phase fails, the system should trip)
V	CONTROLLER: Suitable shaker controller of latest version with following specification to be provided. Make B&K/LDS UK/VRC USA/SD USA/DP USA/CRYSTAL, Model: Spider or m+p Vib Pilot /laser USB 2.0 or Higher Version	
1	8 Channel controller having (all simultaneous inputs) a) ICP, Voltage and TEDS signal conditioning, coupling: AC & DC b) Drive and COLA output channels, analog and digital filter c) Digital I/O for remote control d) Integrated manual abort button e) USB interface/Ethernet port and cable f) Re- calibration software g) Input voltage \pm 10V peak-peak. h) Resolution 24 bit (individual ADC for each input)	

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Senior Manager (MM)

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	<p>D) Input sensitivity programmable from 10m V/g to 1000m V/g</p> <p>j) signal to noise ratio : 100 dB or better</p>
2	<p>SHAKER CONTROL APPLICATION SOFTWARES :</p> <p>a) Random vibration control</p> <ul style="list-style-type: none"> • Frequency range : 0 Hz-- 2000 Hz <p>b) Sine on Random vibration Control</p> <ul style="list-style-type: none"> • Frequency range: 0-2000Hz <p>c) Swept sine Vibration Control</p> <ul style="list-style-type: none"> • Frequency range: 0 to 2000Hz • Sweep rate: Linear from 0 to 6000 Hz/min; Logarithmic from 0 to 100 octave /min • Control strategy: single channel, multiple channel, notch channel programmable for different sectors for each channels, correction of amplitude and frequency in each loop • Profile inputs: User must be able to enter the spectrum in the form of break points tables. Values like RMS , acceleration, velocity and displacement must be displayed when break point table is being updated (Number of break points > 100) • Abort : Upper and lower abort level (Programmable for different sectors) • Signal display : during the test, the user must be able to see the real time display of the signal (A,V and D) Sine mode : Sweep (single, cycle, dwell) • Linear / log sweep • COLA (a fixed output at test frequency) • Level Programmability's for acceleration , velocity, displacement and sloped acceleration • Sine Resonance search, track and dwell • Test modes:---1) search & dwell as each resonance is detected 2) Search then automatically dwell using the generated dwell list 3) Search ,pause for review, edit and dwell using the edited dwell list • Dwell modes : Fixed frequency or phased tracked resonance dwell <p>d) Classical Shock transient Control (Premier)</p> <ul style="list-style-type: none"> • Pulse type: half sine, initial and terminal peak saw tooth ,triangle, rectangle and trapezoid • Pulse duration 0.5 to 3000msec
3	<p>User should be able to export data (time and frequency domain) for all the active input channels (control/monitor/measure) in ASCII & MATLAB formats</p>

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 B.S. NAGESHWAR RAO
 Senior Manager (I&M)

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4	OTHER FEATURES	
	<ul style="list-style-type: none"> a) DRIVE Notching /Limit and channel abort b) Real time data (required for RT Pro) c) XY data of all the signals displayed in window can be sent to excel/word pad/note in tabulated form d) Feature to export data in ASCII, binary, MATLAB formats e) Feature to export graphics to word format f) On lone math to create customized signals. All signals should be calculated & displayed live during testing, operations should include add./subtract/multiply/divide & transmissibility between PSD for any two inputs or an input PSD & control PSD g) User should be able to copy & paste channel parameters while setting up the channels table. h) Controller should facilitate to measure and control forces for the Application of force-limited vibration testing i) Channel table setup should be saved and recalled 	
5	<p>System shall be PC (Windows) based with latest Technology, min 512MB graphics Memory,4GB RAM ,1000GB HDD, latest DVD Writer , Ethernet card, Multi Media Key Board(104 keys), Multi media kit, USB -2nos,19" TFT Color Monitor, Windows latest OS and HP Color LaserJet Printer Note: Operating system of the PC to be compatible to run shaker controller software.</p>	
VI (a)	Spares:	<ul style="list-style-type: none"> (i) Armature suspension flexures: 1 set (ii) Top field coil: 1 no (iii) Bottom field coil : 1 no (iv) Fiber optic cable: 1 no (v) Degauss coil: 1 no (vi) 1 set of amplifier PCB cards. (vii) Gauss meter with calibration certificate: 1 no (viii) ICP type Accelerometers with 10 mtr cables to be supplied along with the system-16 Nos (ix) All related Fuses;- 100 nos, Relays-20 nos, Power module-1 no (x) Hose pipe for heat exhaust
(b)	In addition to above spare the vendor should quote separately the set of spares for 5 years of trouble free operations--optional	
VII	Manuals	Two sets of each of the following manuals in English- Operating, Service, Complete documentation and electrical and mechanical drawings
VIII	Pre-dispatch Inspection	HAL representatives will carry out Factory Acceptance Test (FAT) at vendor premises.
IX	Installation	Installation at HAL, HYDERABAD & Commissioning
X	Acceptance Tests	Performance demonstration and acceptance tests as per specifications 1. At site HAL, after installation 2. Inspection report at factory to be provided
XI	Warranty	2 year from HAL date of acceptance of the system

22/54

बी. एस. नागेश्वर राव मैक
 B.S. NAGESHWAR RAO MAIK
 सिरिस्ट प्रबन्धक (आई एम एम)
 Senior Manager (IMM)

I(B)

		optional 3 years warranty should be quoted separately
XII	Training	Training to be given to HAL engineers by the vendor at HAL, Hyderabad.
XIII	Catalogue	Standard catalogue of the quoted model to be provided. Sketches, drawings, layout will not be considered.
XIV	Technical compliance statement with respect to HAL specifications is a must without which the offer will be rejected	
XV	The firm should be ready to make a technical presentation with document evidences for Technical Evaluation committee	
XVI	Vender is required to provide the details of civil work carried-out at site before installation and commissioning	
XVII	Eligibility criteria : The following points must be strictly complied by the vendor and necessary documentary evidence must be provided. 1) Vendors who have supplied 3500kgf or higher capacity vibration stands along with slip table should only quote. List of Customer details (Preferably Govt. organisations) along with contact details shall be provided. HAL reserve right to contact your customers for feedback on performance of vibration stands and service support. Offers will be rejected if information is found incorrect/ false. 2) Vendor should have established service support in India for the past 3 years. List of service centres/ Service engineers to be enclosed. 3) Vendors are requested to quote only their standard/proven product to our requested capacity or higher. Broacher/ catalogue against that model should be supplied along with the quote. Furnish the information of customers along with contact details to whom the quoted model is supplied. Performance certificate from previous customer to be provided along with Technical Bid. 4) Vendor should confirm the service support for the next 15 years. Product should be of latest in technology and maintainable for next 15 years. Vendor should inform well in advance if any upgration takes place in the design. 5) Any vendor (agency/subsidiary) should be representing the same OEM for minimum period of 2 years & must provide suitable evidences.	

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वी.एस. नारायण राव भयल
S. S. NARAYAN RAO
वॉरिंट प्रमाण (दिनांक 23/54)
कर्म. विभाग (विद्युत विभाग)

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ARMATURE PCD INSERT PATTERN 3.5 Ton

I(B)

✓ 21 STAINLESS STEEL INSERTS
THREADED M8 X 125 PITCH.

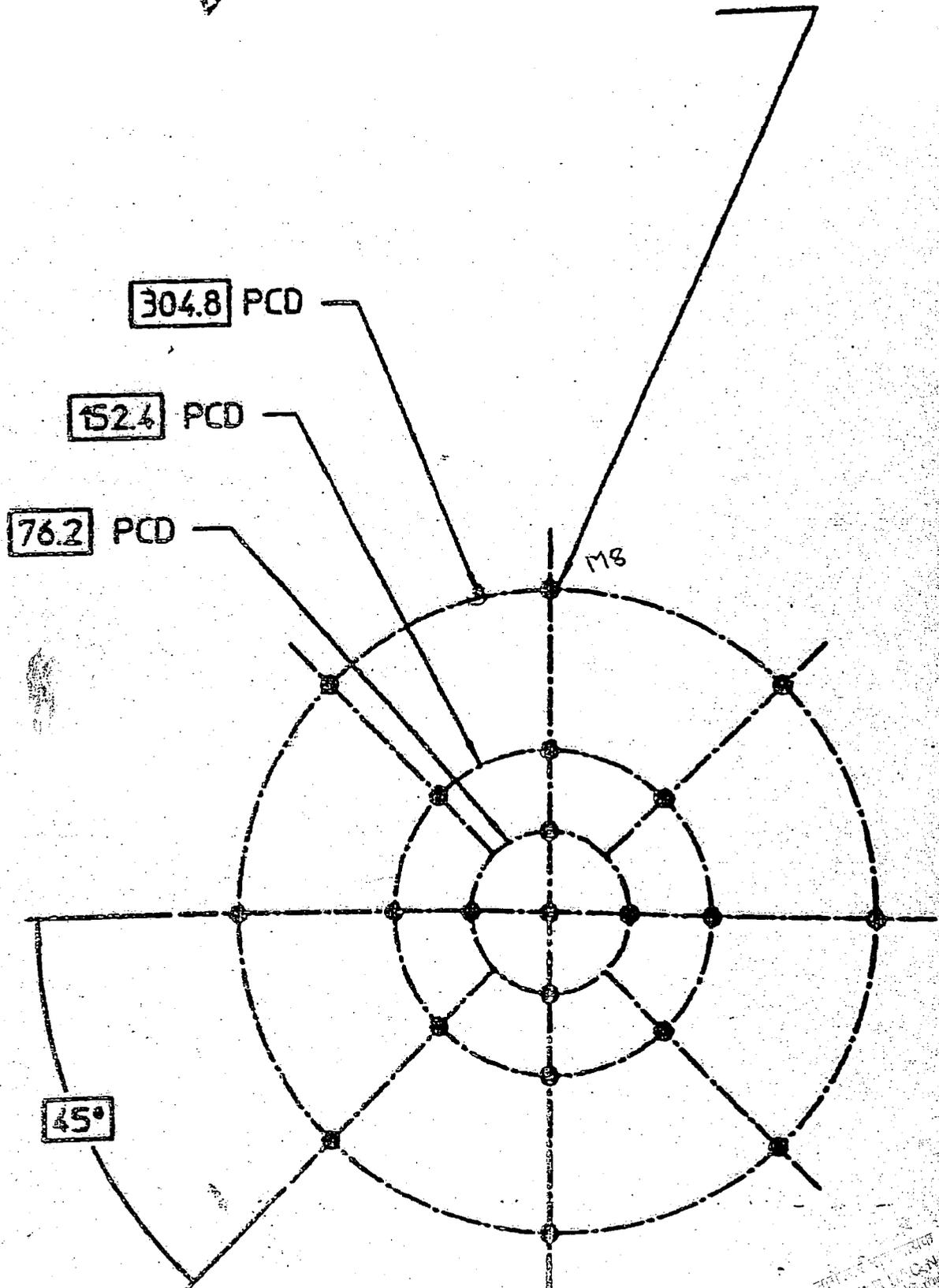


FIG-1

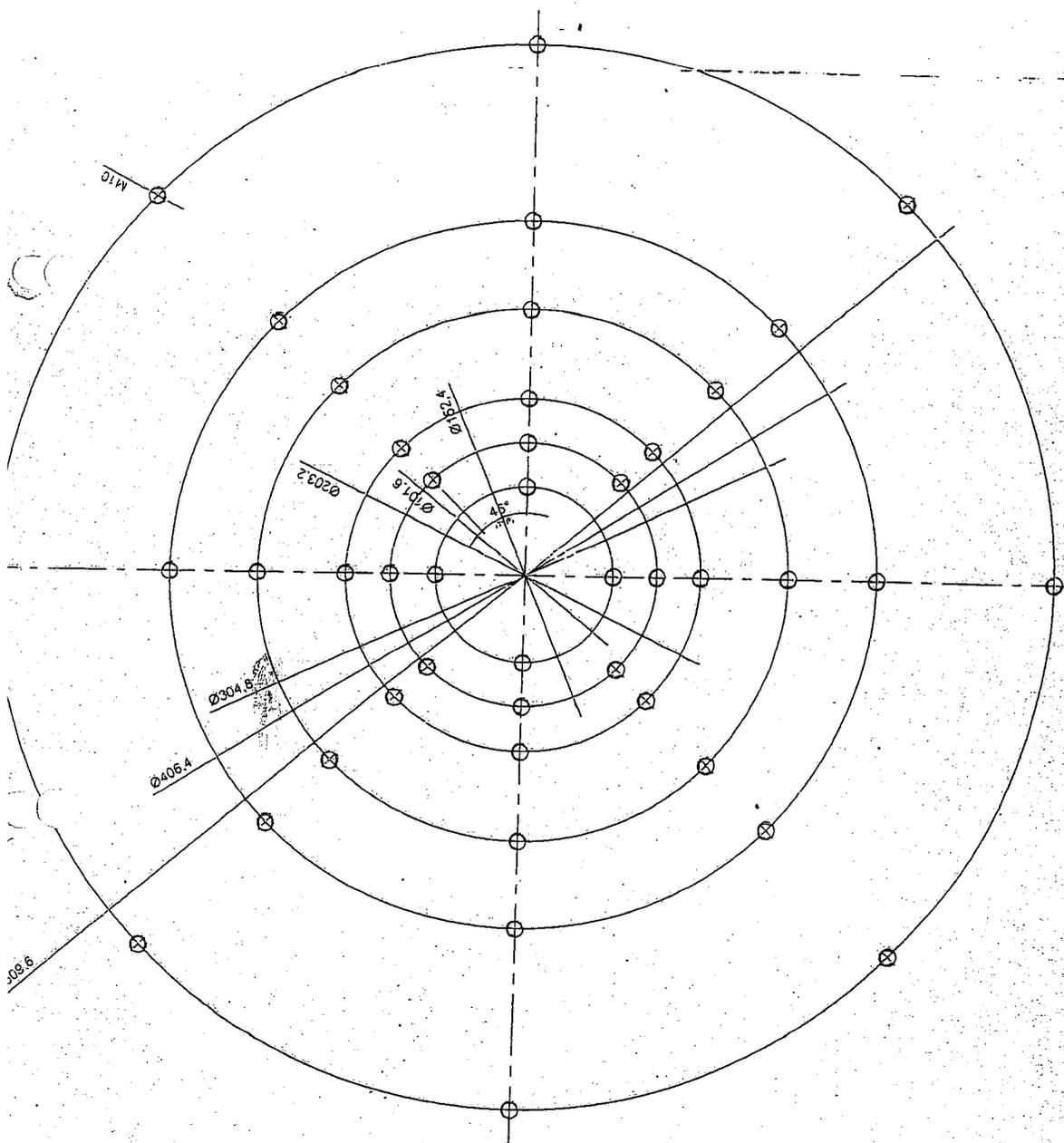
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श्री. एच. नारायण स्वामी
B.S. NAGESHWAR SWAMI
Senior Manager (M&A)

I(B)

Figure 2



HEAD EXPANDER PATTERN FOR 3.5 TON

(HEAD EXPANDER SIZE: 26")

Figure - 2

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श्री. एस. नागेश्वर राव नायक
 B.S. NAGESHWAR RAO NAYAK
 वरिष्ठ प्रबन्धक (जिई एम एम)
 Senior Manager (IMM)

25/54

Annexure- I (c)

Specification for Vibration Stand cum impact stand-1.0T

1. VIBRATION TEST SYSTEM consisting of vibrator, power amplifier, digital controller, slip table and accessories have to be supplied installed and commissioned at HAL, Hyderabad to meet the following technical specifications in accordance with ISO -5344-2004(E) standards.

Sl.No.	SHAKER	
1	Nominal force Sine Random	980 kgf 980 kgf with a test load of 160 Kgs
2	Frequency range of operation	DC to 3000 Hz
3	Armature resonance of bare table	>2200 Hz
4	Armature weight	< 13 kgs
5	Velocity Sine Shock	≥ 1.8m/s ≥ 3.5 m/s
6	Displacement	≥ 50mm pk-pk (operational)
7	Acceleration Sine Random	≥ 70 g peak (bare table) ≥ 65 g rms (bare table)
8	Cross axis response	≤ 10% of the operating frequency range 5-2000Hz except at resonance
9	Stray magnetic field at 150 mm from the armature surface.	≤ 1 mT, with degaussing coil ON
10	Static loading capacity	≥ 160 Kgs on bare table (without external load support platform)
11	Armature dia (Top) & armature	≥ 335mm and armature casting to be radio graphed as per ASTM E94. Certificate to be provided from authorized agency. Please refer the PCD pattern as per the attached drawing figure 1.
12	Shaker cooling system	Air cooling, necessary blower to be provided
13	Armature suspension	Rolling strut assembly design or copper beryllium or carbon-carbon flexures Fatigue life of the flexures with bare table should be estimated experimentally and certificate to be provided.
14	Rotating mechanism with reduction gear for assembling shaker to slip table (without disturbing or removing of the slip table) to be included with shaker	
15	Additional requirements:	
i)	Automatic load compensation system / Auto centering system for armature	
ii)	Air isolation trunnion	
iii)	Complete technical literature of the vibrator, power amplifier, controller, head expander and load support platform should be enclosed	
16	Flatness of armature table, Head Expander and slip table : ≤ 1.6 μm Flatness tolerance of contact area should be 0.1mm per meter (ISO -5344)	
17	Vibrator system should be designed for an ambient temperature of up-to 45 deg C	

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II		HEADER EXPANDER
1	Material	Magnesium alloy
2	Size and pattern	Mg alloy with slots as shown in fig2 for T-bolts Head expander dia 500mm approx
3	Radiographic inspection of casting from which head expander is to be made (ASTM E 94) and the certificate is to be provided from a certified agency for head expander and armature	
III		SLIP TABLE :
1	Type	Combo ,shaker and slip table, mounted on a standalone single structure, providing permanent alignment of shaker with slip table with air isolation.
2	Material	Magnesium alloy
3	Slip plate dimensions	Min 700mm x 700mm
4	Slip table pattern	Magnesium slip table with M10 SS inserts.
5	Hydraulic power pack	Suitable to the slip table
6	Drive bar	Tension bolt type
7	Frequency Range of operation	5 Hz to 2000 Hz
IV		POWER AMPLIFIER:
1	Type	Power amplifier Capacity suitable to the rated capacity of the shaker IGBT/PWM based switching amplifier of Class 'D or better , modular
2	Frequency range of operation	DC-3000Hz to match shaker requirements
3	Cooling	Air cooled
4	Length of the cable between power amplifier to shaker	≥ 20 ft with necessary power compensation
5	Power Loss protection	The amplifier should have synchronized power loss protection facility to have a smooth shut down in the event of power failure.
6	Power Amplifier should have a local oscillator for its diagnostics and vibrator health monitoring in open loop.	
7	EMI/EMC protection to be provided to the power amplifier unit.	
8	The following inter locks to be provided for safety of the vibrator system and the indicators to be provided on the power amplifier	
Protection: Amplifier should have all standard safety inter locks and monitoring		
a	Interlocks	i)Amplifier cooling
		ii) vibrator cooling
		iii) vibrator over travel
		iv) Field failure
		v) Module over current
		vi) Cabinet door open
		vii) Single Phase Protection Inter lock
		viii) Hydraulic power supply ON for slip table mode
b	Indication system level with green and red lights	i)Output over current
		ii) Output over voltage
		iii) Output short circuit

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		iv) Output DC fault
		v) Aux power supply on
		vi) Amplifier cooling failure
		vii) Amplifier over temperature
		viii) Vibrator cooling
		ix) Vibrator over travel
		x) Vibrator over temperature
		xi) Field failure
		xii) Supply low/high voltage
		xiii) Cabinet door open
		xiv) Emergency stop
		xv) To include a diagnostic panel with fault indicator
		xvi) Hydraulic power supply for split table
		xvii) Phase failure
9	Electric wiring and main power	415 VAC \pm 10%, 50Hz, 3phase,neutral,earth
10	Electric safety	Residual current detecting (RCD) devices have to be installed in front panel of power amplifier and remote control panel, RCD should trip the panel in less than 25 msecs once it senses 30 mA current as per IEC 60755 3 phase protection (if one phase fails, the system should trip)
V	CONTROLLER: Suitable shaker controller of latest version with following specification to be provided. Make B&K/LDS UK/VRC USA/SD USA/DP	
1	8 Channel controller having (all simultaneous inputs) a) ICP, Voltage and TEDS signal conditioning, coupling: AC & DC b) Drive and COLA output channels, analog and digital filter c) Digital I/O for remote control d) Integrated manual abort button e) USB interface/Ethernet port and cable f) Re- calibration software g) Input voltage \pm 10V peak-peak. h) Resolution 24 bit (individual ADC for each input) I) Input sensitivity programmable from 10m V/g to 1000m V/g j) signal to noise ratio : 100 dB or better	
2	SHAKER CONTROL APPLICATION SOFTWARES : a) Random vibration control • Frequency range : 0 Hz-- 2000 Hz b) Sine on Random vibration Control • Frequency range: 0-2000Hz c) Swept sine Vibration Control • Frequency range: 0 to 2000Hz • Sine Resonance search, track and dwell • Test modes:---1) search & dwell as each resonance is detected 2) Search then automatically dwell using the generated dwell list 3) Search ,pause for review, edit and dwell using the edited dwell list • Dwell modes : Fixed frequency or phased tracked resonance dwell d) Classical Shock transient Control (Premier) • Pulse duration:0.5 to 3000msec • Pulse type: half sine, initial and terminal peak saw tooth ,triangle, rectangle and trapezoid	

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B.S. NAGESH
Senior-Mech
(NAM)

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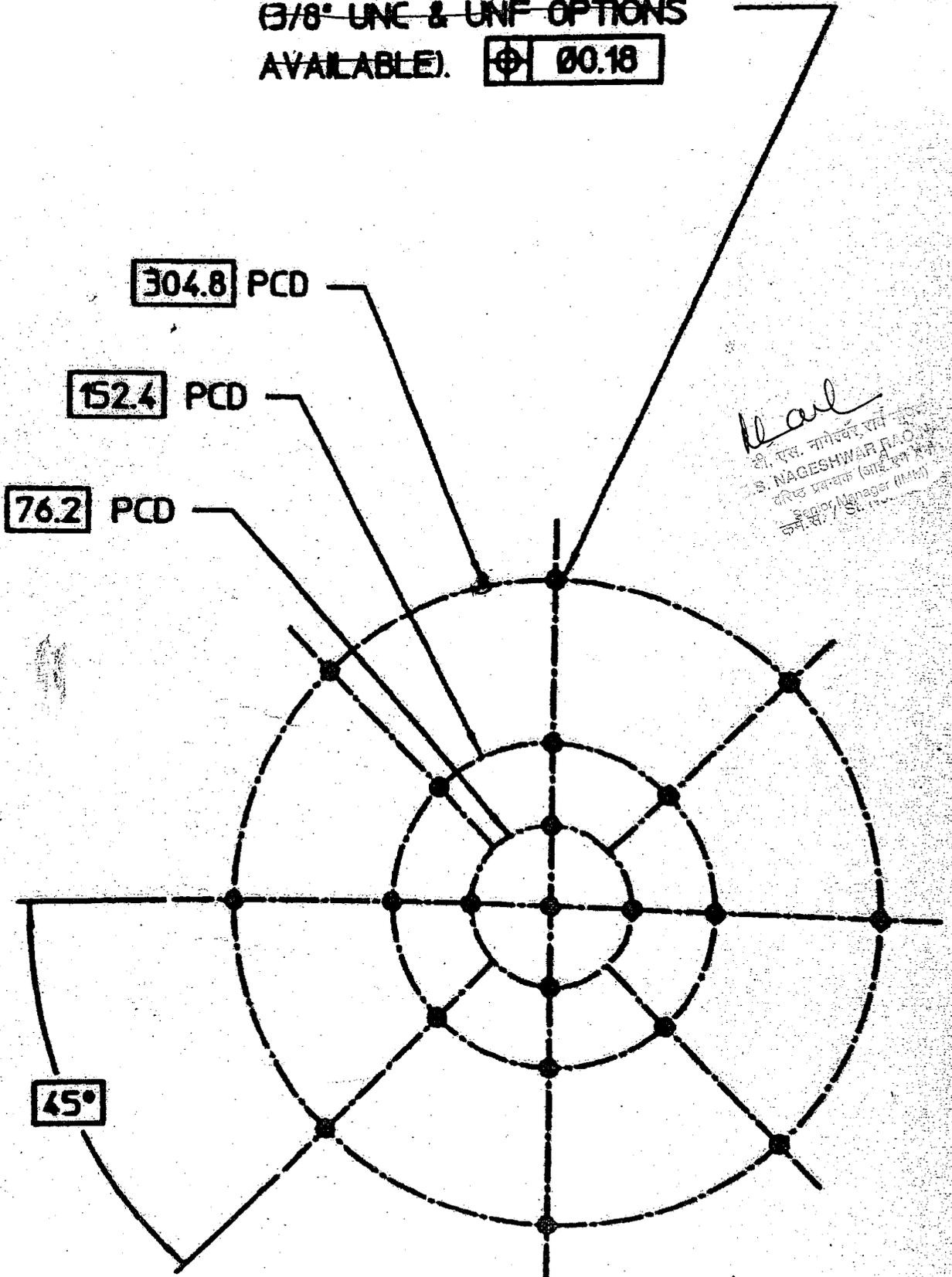
3	User should be able to export data (time and frequency domain) for all the active input channels (control/monitor/measure) in ASCII & MATLAB formats	
4	OTHER FEATURES	
	<ul style="list-style-type: none"> a) DRIVE Notching /Limit and channel abort b) Real time data (required for RT Pro) c) XY data of all the signals displayed in window can be sent to excel/word pad/note in tabulated form d) Feature to export data in ASCII, binary, MATLAB formats e) Feature to export graphics to word format f) On lone math to create customized signals. All signals should be calculated & displayed live during testing, operations should include add./subtract/multiply/divide & transmissibility between PSD for any two inputs or an input PSD & control PSD g) User should be able to copy & paste channel parameters while setting up the channels table. h) Controller should facilitate to measure and control forces for the Application of force-limited vibration testing i) Channel table setup should be saved and recalled 	
5	System shall be PC (Windows) based with latest Technology , min 512MB graphics Memory, 4GB RAM ,1000GB HDD, latest DVD Writer, Ethernet card, Multi Media Key Board, Multi media kit, USB -2 nos,19" TFT Color Monitor, Windows latest OS and HP Color LaserJet Printer Note: Operating system of the PC to be compatible to run shaker controller software.	
VI	Spares:	<ul style="list-style-type: none"> (i) Armature suspension flexures: 1 set (ii) Top field coil: 1 no (iii) Bottom field coil : 1 no (iv) Fiber optic cable: 1 no (v) Degauss coil: 1 no (vi) 1 set of amplifier PCB cards. (vii) Gauss meter with calibration certificate: 1 no (viii) ICP type Accelerometers with min 10m length cables to be supplied by vendor-16 no (ix) All related Fuses;- 100 nos, Relays-20 nos, Power module-1 no (x) Hose pipe for heat exhaust
(a)		
(b)	In addition to above spare the vendor should quote separately the set of spares for 5 years of trouble free operations--optional	
VII	Manuals	Two sets of each of the following manuals in English Operating, Service, Complete documentation and electrical and mechanical drawings
VIII	Pre-dispatch Inspection	HAL representatives will carry out Factory Acceptance Test (FAT) at vendor premises.
IX	Installation	Installation and commissioning at HAL, HYDERABAD
X	Acceptance Tests	Performance demonstration and acceptance tests as per specifications 1. At site HAL, after installation 2. Inspection report at factory to be provided
XI	Warranty	2 year from HAL date of acceptance of the system optional 3 years warranty should be quoted separately
XII	Training	Training to be given to HAL engineers by the vendor

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Armature hole pattern

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✓ 21 STAINLESS STEEL INSERTS
THREADED M8 X 1.25 PITCH.
(3/8" UNC & UNF OPTIONS
AVAILABLE). \varnothing 00.18



Kaul
श्री. एच. नागेश्वर वामन
S. NAGESHWAR P.A.O.
परिच प्रबन्धक (श्री. एच. वामन)
Engineer/Manager (Mech)
कर्म. सं. / S. N.

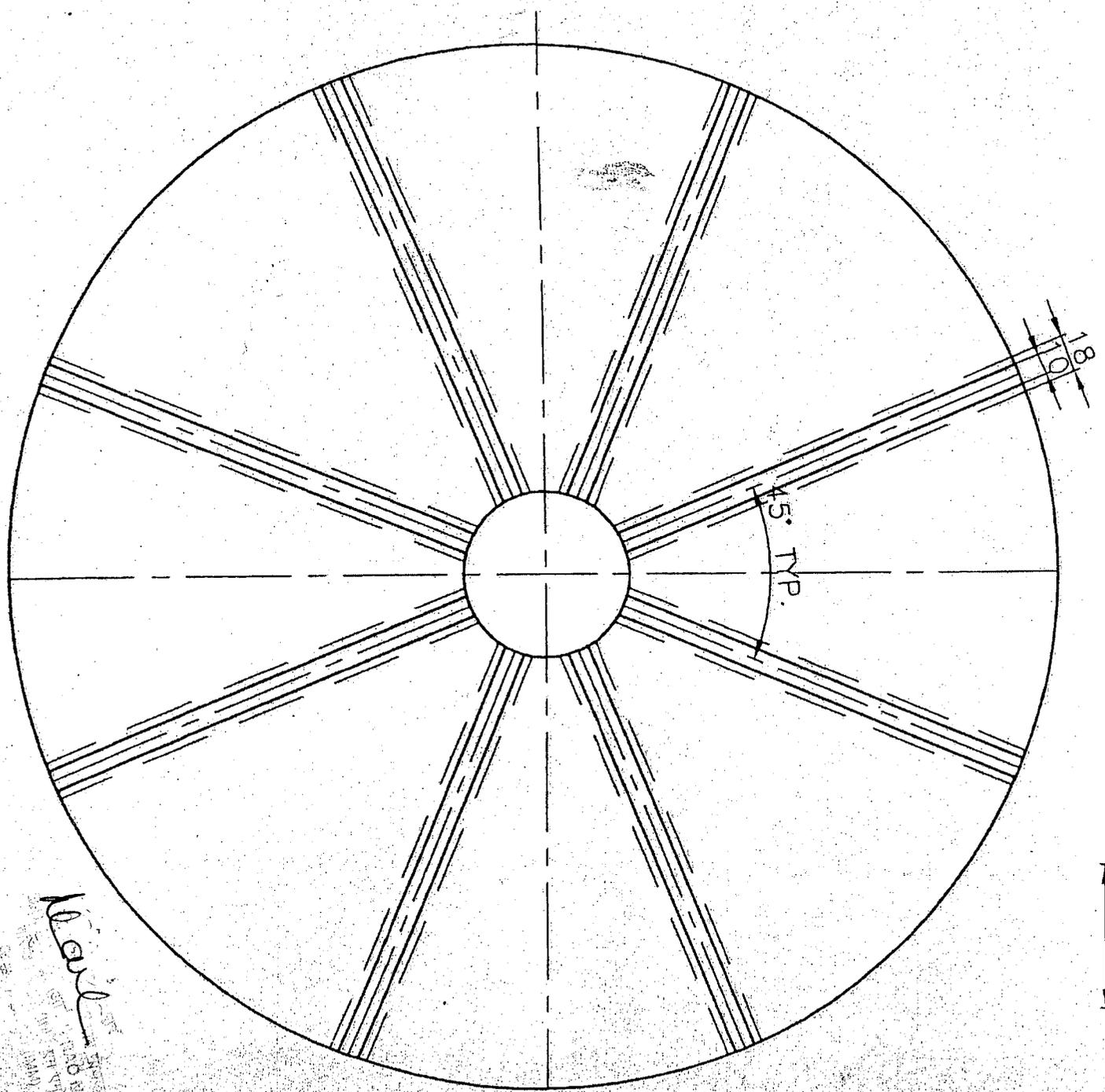
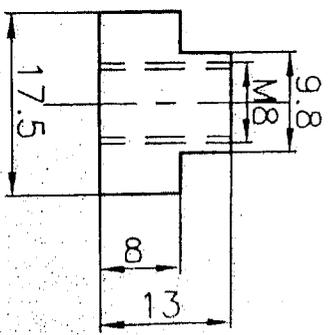
Fig-1
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Head Expander pattern

I(2)

Diagrams of the head expander — 500mm.



Head

Fig-2

33/54

Annexure - II

Format of Bank Guarantee towards Earnest Money Deposit (EMD)

1. In consideration of the HIDUSTAN AERONAUTICS LIMITED _____ Division (hereinafter called as "HAL") on the first part and M/s _____ of _____ (hereinafter referred to as "Bidder") on the Second part, having agreed to accept the Earnest Money Deposit of Rs _____ (Rupees _____) in the form of Bank Guarantee for the Request for Proposal for procurement of _____

2. We _____ (Name of the Bank), (hereinafter referred to as the "Bank"), do hereby undertake to pay to HAL on demand within 3 (three) working days without any demur and without seeking any reasons whatsoever, an amount not exceeding _____ (Rupees _____) and the guarantee will remain valid upto a period _____. It will, however, be open to HAL to return the Guarantee earlier than this period to the Bidder(s), in case the Bidder (s) does not/do not qualify for the negotiation by the Price Negotiation Committee (PNC) as constituted by HAL.

3. In the event of the Bidder withdrawing the tender before the completion of the stages prior to the Price negotiations or during the Price negotiation or during validity of offer, as the case may be, the Guarantee deposited by the Bidder stands forfeited to HAL. We also undertake not to revoke this guarantee during this period except with the previous consent of HAL in writing and we further agree that our liability under the Guarantee shall not be discharged by any variation in the term of the said tender and we shall be deemed to have agreed to any such variation. No interest shall be payable by HAL to the Bidder (s) on the guarantee for the period of its currency.

Dated this _____ day of _____, 2014

For the Bank of _____
(Agent /Manager)

ANNEXURE - III

FORMAT OF PERFORMANCE BANK GUARANTEE

1. HINDUSTAN AERONAUTICS LTD. _____ Division (hereinafter called as "HAL") have entered into Agreement/Contract/Order _____ (hereinafter called "the said Agreement/ the said Contract/ the said Order"/), with _____ [hereinafter called "the said Contractor / Supplier(s)"], for _____ (indicate the scope of supply).
2. Where as under the terms of the said Agreement/ Contact/ Order, the contractor/ Supplier is required to furnish a Performance Bank Guarantee for _____ (indicate the amount in Rs / Foreign Currency) _____ (Only) towards the due fulfillment of the terms and conditions during the agreed time period or extension thereof, and also satisfactory performance of the items supplied to HAL during warranty period as per the warranty terms stipulated in the Agreement/ Contract/Order.
3. Accordingly We _____, (hereinafter referred (indicate the name of the bank) to as "the Bank") at the request of _____ [Contractor/supplier(s)] do hereby undertake to pay to HAL an amount not exceeding _____ (indicate the amount in Rs / Foreign Currency) on the failure of Contractor/Supplier in performance of their obligations as per the terms and conditions of the Agreement/Contract/Order including the satisfactory performance of the item during warranty period as per the warranty terms stipulated in the Agreement/ Contract/Order.
4. We _____ (indicate the name of the bank) do hereby unreservedly, irrevocably undertake to pay the amounts due and payable under this guarantee without any demur, merely on demand from HAL within 10 days of such demand stating that the amount claimed is due by way of non performance / unsatisfactory performance by the contractor with respect to the terms and conditions of the Agreement / Contract/ Order including failure in satisfactory performance of the items supplied / services rendered under the warranty terms stipulated in the Agreement/ Contract /Order. Any such demand made on the bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding _____ (indicate the amount in Rs / Foreign Currency).
5. We undertake to pay to HAL an amount not exceeding _____ (indicate the amount in Rs / Foreign Currency) so demanded notwithstanding any dispute or disputes raised by the contractor(s)/supplier(s) in any suit or proceeding pending before any Court or Tribunal relating thereto our liability under this guarantee being absolute and unequivocal.
6. We, _____ (indicate the name of 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 Agreement/Contract / Order and that it shall continue to be enforceable till all the dues of

HAL under or by virtue of the said Agreement / Contract/Order have been fully paid and its claims satisfied or discharged or till HAL certifies that the terms and conditions of the said Agreement/Contract/Order have been fully and properly carried out by the said Contractor/supplier(s) and accordingly discharges this guarantee.

7. We _____ (indicate the name of bank) further agree with HAL that HAL shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Agreement or to extend time of performance by the said contractor/Supplier(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by HAL against the said contractor/Supplier(s) and to forbear or enforce any of the terms and conditions relating to the said Agreement/Contract/Order and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Contractor/Supplier(s) or for any forbearance, act or omission on the part of HAL or any indulgence by HAL to the said Contractor/Supplier(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.
8. We _____ (indicate the name of bank) lastly undertake not to revoke this guarantee during its currency except with the previous consent of HAL in writing and agree that any change in the constitution of the said contractor(s)/Supplier(s) or the said Bank shall not discharge the Bank of its liability under this deed.
9. The validity of Bank Guarantee shall be up to _____ (dd/mm/yy) and such date shall cover the period of warranty of all the supplies and also the period of defect liability/warranty period for last batch of supplies. The validity of Bank Guarantee will be for a period up to which the contractor is obliged for due performance of the said Agreement/Contract/Order including the warranty period.
10. This Bank Guarantee shall be governed by and constitute in accordance with Indian Law and shall be subject to exclusive Jurisdiction of Indian Courts.
11. Dated the _____ day of _____ for _____ (indicate the name of the Bank)

ANNEXURE - IV

Format of Bank Guarantee for Security Deposit

1. In consideration of the HINDUSTAN AERONAUTICS LTD. _____ Division (hereinafter called as "HAL") having agreed to exempt _____ [hereinafter called "the said Contractor/Supplier(s)"] from the demand, under Agreement/Contract/Order No. _____ dated _____ (hereinafter called "the said Agreement" said Contract/ said Order), made between _____ and _____ for _____ (indicate the scope of supply) of security deposit for the due fulfillment by the said Contractor/Supplier(s) of the terms and conditions contained in the said Agreement/ Contract/ Order, on production of a bank Guarantee for _____ (indicate the amount in Rs / Foreign Currency) (. Only), We, _____, (hereinafter referred (indicate the name of the bank) to as "the Bank") at the request of _____ [contractor/supplier(s)] do hereby undertake to pay to HAL an amount not exceeding _____ (indicate the amount in Rs / Foreign Currency) against any loss or damage, (costs) charges and expenses, claims caused to/suffered or would be caused to suffered by HAL by reason of any breach by the said Contractor/supplier(s) of any of the terms or conditions contained in the said Agreement/ Contract/ Order.
2. We _____ (indicate the name of the bank) do hereby unreservedly, irrevocably undertake to pay the amounts due and payable under this guarantee without any demur, merely on demand from HAL within fifteen (15) days of such demand stating that the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by HAL by reason of breach by the said contractor(s)/supplier of any of the terms or conditions contained in the said Agreement./Contract/Order or by reason of the contractor(s) failure to perform the said Agreement/ Contract/ Order. Any such demand made on the bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding _____ (indicate the amount in Rs / Foreign Currency)
3. We undertake to pay to HAL an amount not exceeding _____ (indicate the amount in Rs / Foreign Currency) so demanded notwithstanding any dispute or disputes raised by the contractor(s)/supplier(s) in any suit or proceeding pending before any Court or Tribunal relating thereto, Our liability under this guarantee being absolute and unequivocal.
4. We _____ (indicate the name of bank) further agree with HAL that HAL shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Agreement/ Contract/ Order or to extend time of performance by the said contractor/supplier(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by HAL against the said Contractor(s)/supplier and to forbear or enforce any of the terms and conditions relating to the said agreement/contact/order and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Contractor/supplier(s) or for any forbearance, act or omission on the part of HAL or any indulgence by HAL to the said

Contractor/supplier(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

5. We _____ (indicate the name of bank) lastly undertake not to revoke this guarantee during its currency except with the previous consent of HAL in writing and agree that any change in the constitution of the said contactor(s)/Supplier(s) or Bank shall not discharge the Bank of its liability under this deed.
6. The validity of Bank Guarantee shall be up to _____ (dd/mm/yy) and such date shall be 60 days after the last delivery/Services against the contract. The Bank Guarantee shall continue to be enforceable till all the dues of HAL under or by virtue of the said Agreement/contact/order have been fully paid and its claims satisfied or discharged or till HAL certifies that the terms and conditions of the said Agreement/contact/order have been fully and properly carried out by the said contractor(s)/supplier and accordingly discharges this guarantee.
7. This Bank Guarantee shall be governed by and constitute in accordance with Indian Law and shall be subject to exclusive Jurisdiction of Indian Courts.
8. Dated the _____ day of _____ for _____ (indicate the name of the Bank)

Omnibus IP Ref. No.:.....

Omnibus Integrity Pact

Whereas Hindustan Aeronautics Ltd. ("HAL") having its registered office at 15/1, Cubbon Road, Bangalore – 560 001, India represented by General Manager / Executive Director hereinafter referred to as the Buyer and the first party, proposes to procure (Name or category of the Equipment, like Aircraft Parts/ Avionic Items/ Accessories etc), hereinafter referred to as Stores and / or Services and / or Works.

And

M/s....., represented by....., Chief Executive Officer (which term, unless expressly indicated by the contract, shall be deemed to include its successors and its assignee), hereinafter referred to as the Bidder/ Seller and the second party, is willing to offer/ has offered the Stores and / or Services and / or Works.

2. Whereas the Bidder / Seller is a private company/public company /partnership/ registered export agency, constituted in accordance with the relevant law in the matter and the Buyer is a Public Sector Undertaking and registered under Companies Act 1956. Buyer and Bidder/Seller shall hereinafter be individually referred to as "Party" or collectively as the "Parties", as the context may require.

3. **Preamble**

3.1 Buyer proposes to procure herein referred Stores / or Services and / or Works and the Bidder/Seller is willing to offer / has offered / will offer the Stores / or Services and / or Works under laid down organizational procedures intending to enter into contract/s for supply / purchase / etc of all such items/products/Stores and / or Services and / or Works including and the Bidder / Seller is one amongst several Bidders/Proprietary Vendor/Customer Nominated Source/Licensors who has indicated a desire to bid/supply in such tendering process.

3.2 Buyer has decided that an Omnibus Integrity Pact (Omnibus IP) can be signed with Bidder/Seller, which will avoid taking multiple approvals, from both sides for signing IP for individual tender / contract. Bidder/Seller and Buyer are entering into this Omnibus IP for covering all tenders / contract / agreements / Purchase Order etc., between the Bidder/Seller and Buyer within its ambit.

3.3 The Buyer values and takes primary responsibility for full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness / transparency in its relations with its Bidder(s) and/or Seller(s).

3.4 In order to achieve these goals, the Buyer will appoint Independent External Monitor(s) (IEM) in consultation with Central Vigilance Commission, who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

4. **Commitments of the Buyer.**

4.1 The Buyer commits itself to take all measures necessary to prevent corruption and fraudulent practices and to observe the following principles:-

- i) No employee of the Buyer, personally or through family members, will in connection with the tender, or the execution of a contract demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
 - ii) The Buyer will during the tender process treat all Bidder(s)/Seller(s) with equity and reason. The Buyer will in particular, before and during the tender process, provide to all Bidder(s)/Seller(s) the same information and will not provide to any Bidder(s)/Seller(s) confidential / additional information through which the Bidder(s)/Seller(s) could obtain an advantage in relation to the process or the contract execution.
 - iii) The Buyer will exclude from the process all known prejudiced persons.
- 4.2 If the Buyer obtains information on the conduct of any of its employees which is a criminal offence under the Indian legislation, Prevention of Corruption Act 1988 as amended from time to time or if there be a substantive suspicion in this regard, the Buyer will inform to its Chief Vigilance Officer and in addition can initiate disciplinary action.
5. Commitments of the Bidder(s) / Seller(s).
- 5.1 The Bidder(s)/Seller(s) commit himself to take necessary measures to prevent corruption. He commits himself to observe the following principles during his participation in the tender process and during the contract execution.
- i) The Bidder(s)/Seller(s) will not, directly or through any other persons or firm, offer promise or give to any of the Buyer's employees involved in the tender process or the execution of the contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage during the tendering or qualification process or during the execution of the contract.
 - ii) The Bidder(s)/Seller(s) will not enter with other Bidders/Sellers into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.
 - iii) The Bidder(s)/Seller(s) will not commit any offence under the Indian legislation, Prevention of Corruption Act 1988 as amended from time to time. Further the Bidder(s)/Seller(s) will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Buyer as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
- 5.2 The Bidder(s)/Seller(s) shall ensure compliance of the provisions of this Omnibus IP by its sub-supplier(s)/ sub-contractor(s), if any. Further, the Bidder/Seller shall be held responsible for any violation/breach of the provisions by its sub-supplier(s)/sub-contractor(s).
- 5.3 The Bidder(s)/Seller(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

5.4 Agents / Agency Commission:

The Seller/Bidder confirms and declares to the Buyer that the Seller/Bidder is the original manufacturer or authorized distributor / stockiest of original manufacturer or Govt. Sponsored / Designated Export Agencies (applicable in case of countries where domestic laws do not permit direct export by OEMS) of the Stores / or Services and / or Works referred to in tender / offer / contract / Purchase order to which this Omnibus IP applies and has not engaged any individual or firm, whether Indian or Foreign whatsoever, to intercede, facilitate or in any way to recommend to Buyer or any of its functionaries, whether officially or unofficially, to the award of the tender / contract / purchase order to the Seller/Bidder; nor has any amount been paid, promised or intended to be paid to any such individual or firm in respect of any such intercession, facilitation or recommendation. The Seller/Bidder agrees that if it is established at any time to the satisfaction of the Buyer that the present declaration is in any way incorrect or if at a later stage it is discovered by the Buyer that the Seller/Bidder has engaged any such individual / firm, and paid or intended to pay any amount, gift, reward, fees, commission or consideration to such person, party, firm or institution, whether before or after the signing of the respective contract / purchase order, the Seller/Bidder will be liable to refund that amount to the Buyer. The Seller will also be debarred from participating in any RFQ / Tender for new projects / program with Buyer for a minimum period of five years. The Buyer will also have a right to consider cancellation of the Contract / Purchase order either wholly or in part, without any entitlement or compensation to the Seller/Bidder who shall in such event be liable to refund to the buyer, all Agency Commission payments to the Buyer made by the Seller/Bidder along with interest at the rate of 2% per annum above LIBOR (London Inter Bank Offer Rate) (for foreign vendors) and Base Rate of SBI (State Bank of India) plus 2% (for Indian vendors). The Buyer will also have the right to recover any such amount from any contracts / Purchase order concluded earlier or later with Buyer.

6. Previous Transgression

6.1 The Bidder /Seller declares that no previous transgressions have occurred in the last three years from the signing of the Omnibus IP with any other company in any country conforming to the anti corruption approach or with any other Public Sector Enterprise in India that could justify Bidder's/ Sellers' exclusion from the tender process.

6.2 If the Bidder / Seller makes incorrect statement on this subject, Bidder / Seller can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason without any liability whatsoever on the Buyer.

7. Company Code of Conduct

Bidders / Sellers are also advised to have a company code of conduct (clearly rejecting the use of bribes and other unethical behavior) and a compliance program for the implementation of the code of conduct throughout the company.

8. Sanctions for Violation

8.1 If the Bidder(s)/ Seller(s), before award or during execution has committed a transgression through a violation of Clause 5 & Clause 6, above or in any other form such as to put his reliability or credibility in question, the Buyer is entitled to

disqualify the Bidder(s)/ Seller(s) from the tender process or take action as per the procedure mentioned herein below:

- i) To disqualify the Bidder / Seller in the tender process & exclusion from future contracts.
- ii) To debar the Bidder / Seller from entering into any bid from Buyer for a period of two years.
- iii) To immediately cancel the contract, if already signed / awarded without any liability on the Buyer to compensate the Bidder /Seller for damages, if any. Subject to Clause 5.4, any lawful payment due to the Bidder/Seller for supplies effected till date of termination would be made in normal course.
- iv) To encash EMD / Advance Bank Guarantees / Performance Bonds / Warranty Bonds, etc. which may have been furnished by the Bidder/Seller to the extent of the undelivered Stores and / or Services and / or Works.

8.2 If the Buyer obtains knowledge of conduct of a Bidder/Seller or of an employee or a representative or an associate of a Bidder/Seller which constitutes corruption, or if the Buyer has substantive suspicion in this regard, the Buyer will inform to its Chief Vigilance Officer.

9. Compensation for Damages

- 9.1 If the Buyer has disqualified the Bidder(s)/Seller(s) from the tender process prior to the award according to Clause 8, the Buyer is entitled to demand and recover the damages equivalent to Earnest Money Deposit in case of open tendering.
- 9.2 If the Buyer has terminated the contract according to Clause 8, or if the Buyer is entitled to terminate the contract according to Clause 8, the Buyer shall be entitled to encash the advance bank guarantee and performance bond/ warranty bond, if furnished by the Bidder/Seller, in order to recover the payments, already made by the Buyer for undelivered Stores and / or Services and / or Works.
- 9.3 The Seller / Bidder shall also be liable to refund to the Buyer, the Agency Commission / payments made by the Seller / Bidder along with interest at the rate of 2% per annum above LIBOR (London Inter Bank Offer Rate) (for foreign vendors) and Base Rate of SBI (State Bank of India) plus 2% (for Indian vendors).
- 9.4 In case of occurrence of violation of any clause of this Omnibus IP then the amount due under this Omnibus IP can be recovered by the Buyer from any Contract/Agreement signed with the Bidder/Seller to which this Omnibus IP is applicable.

10. Independent External Monitor(s)

- 10.1 The Buyer has appointed Independent External Monitor(s) for this Omnibus IP in consultation with the Central Vigilance Commission.
- 10.2 As soon as the Omnibus Integrity Pact is signed, the Buyer shall provide a copy thereof, along with a brief background of the case to the Independent External Monitor(s).

- 10.3 The Bidder(s) / Seller (s), if they deem it necessary, may furnish any information as relevant to their bid to the Independent External Monitor(s).
- 10.4 If any complaint with regard to violation of the Omnibus IP is received by the Buyer in a procurement case, the Buyer shall refer the complaint to the Independent External Monitor(s) for their comments / enquiry.
- 10.5 If the Independent External Monitor(s) need to peruse the records of the Buyer in connection with the complaint sent to them by the Buyer, the Buyer shall make arrangement for such perusal of records by the Independent External Monitor(s).
- 10.6 The report of enquiry, if any, made by the Independent External Monitor(s) shall be submitted to CMD, HAL within 2 weeks, for a final and appropriate decision in the matter keeping in view the provision of this Omnibus IP.
11. Law and Place of Jurisdiction
- This Omnibus IP is subject to Indian Laws and exclusive Jurisdiction of Courts at Bangalore, India.
12. Other Legal Actions
- The actions stipulated in this Omnibus IP are without prejudice to any other legal action that may follow in accordance with the provisions of the extant law in force, relating to any civil or criminal proceedings.
13. Omnibus IP Duration
- 13.1 This Omnibus IP shall come into force from the date when both parties have legally signed it and the validity of this Omnibus IP shall be for ----- (upto 5 years) with an applicability to all tenders /orders /contracts / agreements which are executed by the respective Bidder/tender issued/executed during the existence of this Omnibus IP.
- 13.2 In addition to above, the validity of the Omnibus IP for respective Tender/order/contract/agreement shall remain valid upto six months from declaration of unsuccessful Bidder. Further, for successful Bidder, validity of this IP shall survive upto 12 months from making last payment w.r.t the respective Tender/order/contract/agreement.
- 13.3 Further, if the Contract/Agreement covered under this Omnibus IP is extended/renewed for any period then this Omnibus IP shall also be deemed extended/renewed for such period of extension/renewal.
- 13.4 If any claim is made / lodged during this time, the same shall be binding and continue to be valid despite the lapse of this Omnibus IP as specified above, unless it is discharged / determined by CMD, HAL.
- 13.5 Should one or several provisions of this Omnibus IP turn out to be invalid, the remainder of this Omnibus IP remains valid. In this case, the parties will strive to come to an agreement to their original intentions.
14. Other Provisions

- 14.1 Changes and supplements need to be made in writing. Side agreements have not been made.
- 14.2 The Bidder(s)/Seller(s) signing this Omnibus IP shall not initiate any Legal action or approach any court of law during the examination of any allegations/complaint by IEM and until the IEM delivers the report.
- 14.3 In view of the nature of this Omnibus IP, this Omnibus IP shall not be terminated by any party and will subsist throughout its stated period.
- 14.4 Nothing contained in this Omnibus IP shall be deemed to assure the Bidder/Seller of any success or otherwise in the tendering process.
- 15. This Omnibus IP is signed with HAL exclusively and hence shall not be treated as precedence for signing of Integrity Pact / Omnibus IP with MoD or any other Organization.
- 16. The Parties hereby sign this Omnibus IP at _____ on _____ (Bidder/Seller) and at _____ on _____ (Buyer)

BUYER

BIDDER / SELLER

Signature:

Signature:

Executive Director/General Manager
Hindustan Aeronautics Ltd.,
.....Division

Authorized Signatory (*)

Date:

Date:

Stamp:

Stamp:

Witness

Witness

1. _____

1. _____

2. _____

2. _____

(*) – Authorized signatory of the company / authorized person who has signed the offer.

Tender Ref. No.:.....

Integrity Pact (Standalone)

Whereas Hindustan Aeronautics Ltd. ("HAL") having its registered office at 15/1, Cubbon Road, Bangalore – 560 001, India, acting through itsDivision, represented by General Manager / Executive Director hereinafter referred to as the Buyer and the first party, proposes to procure (Name or category of the Equipment, like Aircraft Parts/ Avionic Items/ Accessories etc), hereinafter referred to as Stores and / or Services and / or Works.

And

M/s....., represented by....., Chief Executive Officer (which term, unless expressly indicated by the contract, shall be deemed to include its successors and its assignee), hereinafter referred to as the Bidder/ Seller and the second party, is willing to offer/ has offered the Stores and / or Services and / or Works.

2. Whereas the Bidder / Seller is a private company/public company /partnership/ registered export agency, constituted in accordance with the relevant law in the matter and the Buyer is a Public Sector Undertaking and registered under Companies Act 1956. Buyer and Bidder/Seller shall hereinafter be individually referred to as "Party" or collectively as the "parties", as the context may require.

3. Preamble

Buyer has called for tenders under laid down organizational procedures intending to enter into contract/s for supply / purchase / Services / Works etc of.....and the Bidder / Seller is one amongst several bidders/Proprietary Vendor/Customer Nominated Source/Licenser who has indicated a desire to bid/supply in such tendering process. The Buyer values and takes primary responsibility for values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness / transparency in its relations with its Bidder(s) and / or Seller(s).

In order to achieve these goals, the Buyer will appoint Independent External Monitor(s) (IEM) in consultation with Central Vigilance Commission, who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

4. Commitments of the Buyer.

4.1 The Buyer commits itself to take all measures necessary to prevent corruption and fraudulent practices and to observe the following principles:-

- i) No employee of the Buyer, personally or through family members, will in connection with the tender, or the execution of a contract demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
 - ii) The Buyer will during the tender process treat all Bidder(s) / Seller(s) with equity and reason. The Buyer will in particular, before and during the tender process, provide to all Bidder(s) / Seller(s) the same information and will not provide to any Bidder(s) / Seller(s) confidential / additional information through which the Bidder(s) / Seller(s) could obtain an advantage in relation to the process or the contract execution.
 - iii) The Buyer will exclude from the process all known prejudiced persons.
- 4.2 If the Buyer obtains information on the conduct of any of its employees which is a criminal offence under the Indian legislation Prevention of Corruption Act 1988 as amended from time to time or if there be a substantive suspicion in this regard, the Buyer will inform to its Chief Vigilance Officer and in addition can initiate disciplinary action.
5. Commitments of the Bidder(s)/Seller(s).
- 5.1 The Bidder(s)/Seller(s) commit himself to take necessary measures to prevent corruption. He commits himself to observe the following principles during his participation in the tender process and during the contract execution.
- i) The Bidder(s)/Seller(s) will not, directly or through any other persons or firm, offer promise or give to any of the Buyer's employees involved in the tender process or the execution of the contract or to any third person any material or other benefit which he / she is not legally entitled to, in order to obtain in exchange any advantage during the tendering or qualification process or during the execution of the contract.
 - ii) The Bidder(s)/Seller(s) will not enter with other Bidders / Sellers into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.
 - iii) The Bidder(s)/Seller(s) will not commit any offence under the Indian legislation, Prevention of Corruption Act 1988 as amended from time to time. Further, the Bidder(s)/Seller(s) will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Buyer as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
- 5.2 The Bidder(s)/Seller(s) shall ensure compliance of the provisions of this Integrity Pact by its sub-supplier(s)/ sub-contractor(s), if any. Further, the Bidder/Seller shall be held responsible for any violation/breach of the provisions by its sub-supplier(s)/sub-contractor(s).

5.3 The Bidder(s)/ Seller(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

5.4 Agents / Agency Commission:

The Seller/Bidder confirms and declares to the buyer that the Seller/Bidder is the original manufacturer or authorized distributor / stockiest of original manufacturer or Govt. Sponsored / Designated Export Agencies (applicable in case of countries where domestic laws do not permit direct export by OEMS) of the stores and / or Services and / or Works referred to in this tender / offer / contract / Purchase order and has not engaged any individual or firm, whether Indian or Foreign whatsoever, to intercede, facilitate or in any way to recommend to Buyer or any of its functionaries, whether officially or unofficially, to the award of the tender / contract / purchase order to the Seller/Bidder; nor has any amount been paid, promised or intended to be paid to any such individual or firm in respect of any such intercession, facilitation or recommendation. The Seller/Bidder agrees that if it is established at any time to the satisfaction of the Buyer that the present declaration is in any way incorrect or if at a later stage it is discovered by the Buyer that the Seller/Bidder has engaged any such individual / firm, and paid or intended to pay any amount, gift, reward, fees, commission or consideration to such person, party, firm or institution, whether before or after the signing of this contract / purchase order, the Seller/Bidder will be liable to refund that amount to the Buyer. The Seller will also be debarred from participating in any RFQ / Tender for new projects / program with Buyer for a minimum period of five years. The Buyer will also have a right to consider cancellation of the Contract / Purchase order either wholly or in part, without any entitlement or compensation to the Seller/Bidder who shall in such event be liable to refund to the buyer, all agency commission payments made by the Seller/Bidder along with interest at the rate of 2% per annum above LIBOR (London Inter Bank Offer Rate) (for foreign vendors) and Base Rate of SBI (State Bank of India) plus 2% (for Indian vendors). The Buyer will also have the right to recover any such amount from any contracts / Purchase order concluded earlier or later with Buyer.

6. Previous Transgression

6.1 The Bidder /Seller declares that no previous transgressions have occurred in the last three years from the date of signing of this Integrity Pact with any other company in any country conforming to the anti corruption approach or with any other Public Sector Enterprise in India that could justify Bidder's/ Sellers' exclusion from the tender process.

6.2 If the Bidder / Seller makes incorrect statement on this subject, Bidder / Seller can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason without any liability whatsoever on the Buyer.

7. Company Code of Conduct

Bidders / Sellers are also advised to have a company code of conduct (clearly rejecting the use of bribes and other unethical behavior) and a compliance program for the implementation of the code of conduct throughout the company.

8. Sanctions for Violation

8.1 If the Bidder(s)/ Seller(s), before award or during execution has committed a transgression through a violation of Clause 5, above or in any other form such as to put his reliability or credibility in question, the Buyer is entitled to disqualify the Bidder(s)/ Seller(s) from the tender process or take action as per the procedure mentioned herein below:

- i) To disqualify the Bidder / Seller with the tender process & exclusion from future contracts.
- ii) To debar the Bidder / Seller from entering into any bid from Buyer for a period of two years.
- iii) To immediately cancel the contract, if already signed / awarded without any liability on the Buyer to compensate the Bidder /Seller for damages, if any. Subject to Clause 5.4 any lawful payment due to the Bidder/Seller for supplies effected till date of termination would be made in normal course.
- iv) To encash EMD / Advance Bank Guarantees / Performance Bonds/Warranty Bonds, etc. which may have been furnished by the Bidder/Seller to the extent of the undelivered Stores and / or Services and / or Works.

8.2 If the Buyer obtains knowledge of conduct of a Bidder/ Seller or of an employee or a representative or an associate of a Bidder / Seller which constitutes corruption, or if the Buyer has substantive suspicion in this regard, the Buyer will inform to its Chief Vigilance Officer.

9. Compensation for Damages

9.1 If the Buyer has disqualified the Bidder(s) / Seller(s) from the tender process prior to the award according to Clause 8, the Buyer is entitled to demand and recover the damages equivalent to Earnest Money Deposit in case of open tendering.

9.2 If the Buyer has terminated the contract according to Clause 8, or if the Buyer is entitled to terminate the contract according to Clause 8, the Buyer shall be entitled to encash the advance bank guarantee and performance bond/ warranty bond, if furnished by the Bidder / Seller, in order to recover the payments, already made by the Buyer for undelivered Stores and / or Services and / or Works.

9.3 The Seller / Bidder shall also be liable to refund to the Buyer, the Agency Commission / payments made by the Seller / Bidder along with interest at the rate of 2% per annum above LIBOR (London Inter Bank Offer Rate) (for foreign vendors) and Base Rate of SBI (State Bank of India) plus 2% (for Indian vendors).

10. Independent External Monitor(s)

10.1 The Buyer has appointed Independent External Monitor(s) for this Integrity Pact in consultation with the Central Vigilance Commission.

- 10.2 As soon as the Integrity Pact is signed, the Buyer shall provide a copy thereof, along with a brief background of the case to the Independent External Monitor(s).
- 10.3 The Bidder(s)/Seller(s), if they deem it necessary, may furnish any information as relevant to their bid to the Independent External Monitor(s).
- 10.4 If any complaint with regard to violation of the IP is received by the buyer in a procurement case, the buyer shall refer the complaint to the Independent External Monitor(s) for their comments / enquiry.
- 10.5 If the Independent External Monitor(s) need to peruse the records of the buyer in connection with the complaint sent to them by the buyer, the buyer shall make arrangement for such perusal of records by the Independent External Monitor(s).
- 10.6 The report of enquiry, if any, made by the Independent External Monitor(s) shall be submitted to CMD, HAL within 2 weeks, for a final and appropriate decision in the matter keeping in view the provision of this Integrity Pact.
11. Law and Place of Jurisdiction
- This Integrity pact is subject to Indian Laws, and exclusive Jurisdiction of Courts at Bangalore, India.
12. Other Legal Actions
- The actions stipulated in this Integrity Pact are without prejudice to any other legal action that may follow in accordance with the provisions of the extant law in force relating to any civil or criminal proceedings.
13. Integrity Pact Duration
- 13.1 This Integrity Pact begins when both parties have legally signed it. It expires for the successful Bidder / Seller 12 months after the last payment under the contract, and for all other unsuccessful Bidders / Sellers within 6 months from date of placement of order / finalization of contract against this tender.
- 13.2 If any claim is made / lodged during this time, the same shall be binding and continue to be valid despite the lapse of this Integrity Pact as specified above, unless it is discharged / determined by CMD, HAL.
- 13.3 Should one or several provisions of this Integrity Pact turn out to be invalid, the remainder of this Integrity Pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions.
14. Other Provisions
- 14.1 Changes and supplements need to be made in writing. Side agreements have not been made.
- 14.2 The Bidder(s)/Seller(s) signing this IP shall not initiate any Legal action or approach any court of law during the examination of any allegations/complaint by IEM and until the IEM delivers the report.

14.3 In view of the nature of this Integrity Pact, this Integrity Pact shall not be terminated by any party and will subsist throughout its stated period.

14.4 Nothing contained in this Integrity Pact shall be deemed to assure the Bidder/ Seller of any success or otherwise in the tendering process.

15. This Integrity Pact is signed with HAL exclusively and hence shall not be treated as precedence for signing of IP with MoD or any other Organization.

16. The Parties hereby sign this Integrity Pact at _____ on _____ (Bidder/Seller) and at _____ on _____ (Buyer)

BUYER

BIDDER / SELLER

Signature:

Signature:

Executive Director/General Manager
Hindustan Aeronautics Ltd.,
.....Division

Authorized Signatory (*)

Date:

Date:

Stamp:

Stamp:

Witness

Witness

1. _____

2. _____

1. _____

2. _____

(*) – Authorized signatory of the company / authorized person who has signed the offer.

Additional Terms & conditions

(to be enclosed where the tenders to be issued with Purchase Preference clause)

In line with Public Procurement (Preference to Make in India), Order 2017 issued by Govt. of India & with a view to support the Indian industries by way of providing Purchase Preference, HAL has implemented "Purchase Preference Policy". The "Purchase Preference" is applicable for the "Local Supplier" for the items / services covered in this tender subject to the following terms & conditions:

Note:

The subject item falls under _____ category (indicate divisible/ indivisible).

1. 'Local Supplier' means a supplier (manufacturer, not a trader) or service provider whose product or service offered for procurement meets the minimum "local content" requirement of 50%.
2. 'Local content' means the amount of value added in India (i.e., indigenous items/services added in the offered products/services) be the total value of the item offered (excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties/IGST) as a proportion of the total value (excluding net domestic indirect taxes), in percent.
3. The margin of Purchase Preference shall be upto 20%.
4. 'Margin of purchase preference' means the maximum extent to which the price quoted by the bidder above the L1 (landed cost).
5. 'L1' means the lowest technically accepted tender / bid / quotation (i.e. lowest landed cost including duties, taxes and freight & Insurance).
6. Purchase Preference:
 - A. Goods are divisible in nature (required quantity greater than 1 or not a package basis or not Aircraft LRUs):
 - i. If L1 is from a local supplier, the order/contract for full quantity shall be awarded to L1 bidder.
 - ii. If L1 bid is not from a local supplier, 50% of the order quantity shall be awarded to L1. Thereafter, the lowest bidder among the local suppliers will be invited to match the L1 price for the remaining 50% quantity subject to the local supplier's quoted price falling within the margin of purchase preference (i.e. 20%) and contract for that quantity shall be awarded to such local



supplier subject to matching the L1 price (inclusive of duties, taxes and freight & insurance).

- iii. In case such lowest eligible local supplier fails to match the L1 price or accepts less than the offered quantity, the next higher local supplier within the margin of purchase preference shall be invited to match the L1 price for remaining quantity and so on, and contract shall be awarded accordingly. In cases where none of the local suppliers within the margin of purchase agree to match L1 price, in such cases 100% quantity shall be ordered on original L1 bidder.
- iv. In case no offers received from local supplier or none of the local supplier falls within the margin of purchase preference of 20%, the order shall be processed on L1 vendor.
- v. In case L1 bidder (not a local supplier) is not accepting splitting of order on 50:50 basis, in that case the order/contract shall be awarded to such local supplier for full quantity subject to matching the L1 price.
- vi. Regarding MSEs (Indian vendors):

The following additional aspect as indicated below would applicable for procurement which are falls under divisible category (i.e., not applicable for indivisible category), in case of participation of MSEs in the tendering.

- If any Indian vendor satisfies the requirement of MSEs stipulation and also falls within the purchase preference margin as called for in MSME policy (in case of matching L1 price) will be considered for ordering 20% of tendered quantity, the balance quantity will be considered for distribution amongst all bidders (including MSEs) as per the purchase preference policy.
- In case no MSEs qualifies for purchase preference or do not match with L1 price then the total tendered quantity will be distributed amongst all bidders as per the purchase preference policy.

B. Goods are not divisible (required quantity is 1 or as a package or Aircraft LRUs in case of goods) and services:

- i. If L1 is from a local supplier the contract will be awarded to L1 bidder.
- ii. If L1 is not from a local supplier, the lowest bidder among the local suppliers will be invited to match the L1 price subject to local supplier's quoted price falling within the margin of purchase preference (i.e. 20%) and the contract shall be awarded to such local supplier subject to matching the L1 price (inclusive of duties, taxes and freight & insurance).

- iii. In case such lowest eligible local supplier fails to match the L1 price, the local supplier with the next higher bid within the margin of purchase preference shall be invited to match the L1 price and so on, and order/contract shall be awarded accordingly. In case where none of the local suppliers within the margin of purchase preference agree to match the L1 price then the order/contract shall be awarded to the original L1 Bidder.
7. Aircraft LRUs are considered as "in-divisible" category of goods. In line with this, the order for development of Aircraft LRUs, identification of LRUs for Aircraft will be placed on local supplier, within the margin of purchase preference, for 100% RFQ's requirement, after matching the L1 price (or) on L1 vendor, if the local supplier not agreed to match the L1 price.
 8. Technically acceptable offers only will be considered for purchase preference.
 9. The local supplier should provide a "Self Certification" along with offer indicating that the item offered meets the minimum local content of 50% and provide the details of the location(s) at which the local value addition is made.
 10. In cases the quoted price is in excess of Rs.10 Crs (including duties, taxes and freight & Insurance), the local supplier shall provide a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in case of suppliers other than companies) giving the percentage of local content.
 11. A committee (with an external expert from a practicing cost accountant or practicing chartered accountant, if required) constituted for independent verification shall verify the self-declarations & auditor's / accountant's certificates on random basis, as per the requirements.
 12. The ink-signed certificate shall be provided on vendor's letter head along with the offer (in case of online tender, copy of ink-signed certificate can be considered subject to receipt of original certificate within 15 days of due date of tender). In case of non-submission of certificate, the purchase preference shall not apply.
 13. On similar line for Rs.10 Crs. & above, the ink-signed certificate provided by the concerned authority as brought-out above need to be enclosed.
 14. In case of a complaint received from any Vendor indicating a need for review / verification of Local content of successful vendor / awarded vendor, for accepting a complaint from such complainant (w.r.t the false declaration given by the successful vendor on the local content), a complaint fee of Rs.2 Lakhs or 1% of the locally manufactured items being procured (subject to a maximum Rs.5 Lakhs), whichever was higher, to be paid by demand draft by the complainant. In case, the complaint is found to be incorrect, the complaint fee shall be forfeited. In case, the complaint is

upheld and found to be substantially correct, deposited fee of the complainant would be refunded without any interest.

15. False declarations will be in breach of code of the integrity for which a bidder or its successor's will not be eligible/debarred for purchase preference from further tenders / pending tenders for two years along with other actions as may be applicable.
16. Further, in case the violation/false declaration established, in such case, a penalty amount upto 2% value of the each order will be deducted on such defaulted bidders.
