

HEAVY INDUSTRIES TAXILA

TAXILA CANTT

ADVANCE SYSTEM REBUILD FACTORY

TENDER DOCUMENT



Method of Tender

FOR

Indigenous Development of Elect & Instrument Assemblies- A-Veh

Tender Inquiry No.5992/IT-02/Indig/A-Veh/EM/ASRF

Dated 03 Aug 2026

Opening Date 26 Aug 2026 Opening Time 1130 Hours

Forward your bids on or before **26 Aug 2026** but not later than closing time 1100 hour otherwise bid/quotation will be not entertained as per PPRA Rule no.28.

The tender will be opened at 1130 hours on the same date **26 Aug 2026**.

Tel: +92-51- 9315577 Extn: 63125

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TENDERNOTICE

HIT Taxila Cantt

Advance System Rebuild Factory (ASRF)

1. Sealed tenders are invited from reputed firms possessing NTN Certificates for supply of under mentioned item .Development will be carried out in the light of MoDP and PPRA rules:-

Ser	TenderNo	Nomenclature	A/U	Qty	Delivery Period	Date and time of Tender		Remarks
						Submission	Opening	
1	5992/ IT- 02 /Indig /A- Veh/ EM / ASRF dated 03 Aug 2026	As per Anx 'D'	Nos	As per Anx 'D'	As per Anx D	26 Aug 2026 by 1100 Hrs	26 Aug 2026 at 1130 Hrs	

For further Information

Tel: +92-51- 9315577 Extn: 63125

HIT Taxila Cantt
Advance System Rebuild Factory
INVITATION TO BIDS

Date: 03 Aug 2026

1. This Invitation to Tender (IT) follows the Development Notice (DN) or Development Advertisement (PA) No.5992/IT-02/Indig/A-Veh/EM/ASRF dated 03 Aug 2026 for the development as per clause no.1 of said tender notice.
2. The Advance System Rebuild Factory (ASRF) HIT now invites sealed bids from eligible Suppliers for the provision of **PCBs of A-Veh**. The original bid along with 2x set of copies, properly filled in and enclosed in sealed envelope (s) must be delivered as under:-

Ser	Activity	Response	Remarks
a.	Bid submission	1100Hrs 26 Aug 2026	
b.	Bid opening (Technical)	1130Hrs 26 Aug 2026	A gap of minimum 30 mins will be ensured between the bid submission and bid opening time as per PPRA rule no.28.

3. Representative, on the firm's letter head, with authority to conduct all business for and on behalf of the firms during the bidding process, and in case of award of contract, during the execution of contract.

Deputy Assistant Director (EM Branch)
ASRF
Heavy Industries Taxila, Taxila Cantt
Phone No.051-9315577

GENERALINSTRUCTIONS

Eligibility of Firms

1. The bidding shall be conducted in line with the procedure as elaborated in the Government Rules and any Regulations, Regulatory Guides, development Guide lines or Instructions issued by the PPRA/MoDP (from time to time) and is open to all the potential bidders. Eligibility criteria laid down in the above mentioned rules will be followed strictly. Key points are asunder:-

- a. **Ineligible Countries:** India and Israel
- b. **Ineligible Firms;** A firm will be ineligible if: -
 - (1) Declare bankrupt/insolvent.
 - (2) Payments in favor of the firm are suspended in accordance with the judgment of a court of law.
 - (3) Legal proceedings are instituted against a firm involving an order suspending payments and which may result in declaration of bankruptcy or in any other situation entailing the total or partial loss of the right to administer and dispose of the property.
 - (4) The firm or its management/administration is convicted, by a final judgment, of any offence involving professional conduct.
 - (5) Firm is blacklisted and debarred due to corrupt and fraudulent practices, or performance failure or breach of bid securing declaration.
 - (6) A firm which has defaulted on two or more contracts, until the satisfactory conclusions of the contract.
 - (7) Firm(s) involved in any corrupt and fraudulent practices.

Preparation and Delivery of Bid.

- 2. **Validity of Bid:** Bids shall be valid for 180 days from the date of opening of the Financial Proposal. This must be indicated in the Technical as well as the Financial Proposals.
- 3. **Late Submission:** Bids received after the appointed time will **NOT** be entertained.

4. **Delivery of Bids:** The firms shall submit offer in three separate envelopes i.e. Technical Proposal envelope, Financial Proposal envelope, and Bid Security/Earnest Money envelope.
5. **Technical Proposal:** The offer should contain all the relevant specifications without prices. Mention Technical Proposal, Tender Number and date of opening should be clearly marked on the face of the envelope. Soft copy of the Technical Proposal will also be provided inside the Technical Proposal envelope.
6. **Bid Security/Earnest Money Envelope:** The copy of the bid security/EM in shape of CDR addressing to MD (ASRF) hiding the actual amount will be placed inside the Technical Proposal envelope, whereas the actual bid security /EM showing the amount will be placed inside the envelope of the Financial Proposal and copy of the same will be placed inside envelope mention Bid security /EM envelope. Moreover Bank cheque will be not acceptable; otherwise Technical quotation will be disqualified.
7. **Financial Proposal:** Only one copy of the offer (in original) indicating prices quoted in figures as well as in words as per itemized cost for format at Schedule to Price **Anx 'C'** be provided. Financial Proposal, Tender Number and date of opening should be clearly marked on the face of the envelope.
8. **Postal Orders:** The Technical Proposal must be accompanied by valid postal orders of Rs. 2,000/- (Two Thousand), otherwise Technical Proposal will be rejected.
9. **Participation in Bid Opening:** Technical proposal will be opened in the presence of the firm's representative on the assigned time, date and place. Firm should follow the following instructions:-
 - a. Firms should send a representative with the knowledge of the content of the Bid who shall verify the information readout from submitted documents.
 - b. Representative should be a responsible authority and permitted signatory, competent to negotiate and sign the contract on the behalf of the supplier/firm, if required.
 - c. The firm's representatives shall sign attendance sheet as proof of their attendance.
 - d. Firm's representatives may have to travel/stay in Pakistan for the duration of negotiations at his own expense.

10. **Opening of Tender:** Tender will be opened as per the procedures laid down as per Government Rule and at least thirty (30) minutes after the time specified for the submission of tender. In case of closed/forced holidays, tender opening time will be considered the same on the next working day.

- a. Technical Proposal i.e. without prices will be opened on the day of tender opening and will be sent for the Technical Scrutiny.
- b. The Financial Proposal will be opened, when the Technical Proposal is accepted by the technical authorities based on Quality and Cost Based Selection (60% for the Technical Parameters as per **Anx'E** and 40% Financial Aspect) The date of opening for Financial Proposal will be intimated to the firm in advance.
- c. Contracts will be awarded to **best evaluated bidder** with highest overall score based on **weightage Quality and Cost Based Selection:-**

(i).	Technical Parameters	-	60%
(ii).	Financial Aspect	-	40%

- d. The Financial Proposal will be returned to the firm un-opened along with the Bid Security/ EM, if the Technical Proposal is not technically accepted.

11. **Withdrawal of Offer:** Bidder cannot withdraw the offer before signing of the contract and within the validity period of offers. Any firm withdrawing its offer within the validity period can be placed under embargo for up to three year and the Bid Security/ EM will be forfeited.

12. **Return of IT:** Firms/suppliers NOT quoting will return the bid enquiry stating the reasons for NOT quoting. In case of a firm failing to return the IT, either quoted or not-quoted, consecutively on three occasions, authority concerned will consider excluding the name of that firm from its distribution list to stop further issuing the IT.

13. **Acceptance of Bids:** Technically approved by the Technical Scrutiny Committee will be accepted.

14. **Bid Security/EM:** The Bid Security / EM will be in the form of a CDR in the favour of MD (ASRF), Heavy Industries Taxila, for the amount in Pakistan Rupees for FOR cases. Bid Security in the form of crossed cheque / cheques shall be liable for rejection. Rates are as under:

- a. **Registered/ Indexed Firms.** 2% of the quoted value less taxes along with valid registration copy of HIT.
- b. **Unregistered/Un-indexed Firms.** 5% of the quoted value less taxes.

c. The muted Bid Security / Earnest Money envelope will be opened with the Technical Proposal. Technical Proposals received without Bid Security/Earnest Money or not as per the stipulated amount shall be liable to rejection.

d. In case a firm not qualifying during the technical scrutiny, its Financial Proposal (unopened) along with the Bid Security/ Earnest Money will be returned within 30 working days on receipt of the Technical Scrutiny Report. In case a firm qualifies during the technical scrutiny, the Bid Security/ Earnest Money will be returned after signing of the contract and submission of Performance Bank Guarantee and Advance Bank Guarantee.

15. The muted Bid Security/EM envelop will be opened with the Technical Proposal. Technical Proposals received without Bid Security/ EM or not as per the stipulated amount shall be liable to rejection.

16. **Return of Bid Security/EM:** In case a firm not qualifying during the technical scrutiny, its Financial Proposal (unopened) along with the Bid Security/ EM will be returned within 30 working days on receipt of the Technical Scrutiny Report.

17. **Disqualification:** Firms will be disqualified due to following clauses:-

- a. Offer is made through Fax/ Email/ Cable/ Telex.
- b. Received later than appointed / fixed date and time or contradicting to binding terms.
- c. Not agreeing to specifications of required item.
- d. Offers are found conditional or incomplete in any respect.
- e. Postal orders as per clause no.8 are NOT attached with the technical offer.
- f. Bid Security in shape of CDR NOT provided.
- g. If validity of offer is NOT quoted as per said Tender Inquiry.
- h. Tender specifications/ requirements not conforming in all respect.
- i. There is any deviation from General/ Special/ Technical Instructions provided.
- j. Offers (Financial/ Technical) containing non-initialed /unauthenticated amendments/ corrections/ overwriting.
- k. Taxes are NOT indicated separately as per required price breakdown mentioned at Annex C.
- l. Multiple rates are quoted again one item.

18. **Official Secret Act/Non-Disclosure Agreement:** All matters connected with this enquiry and subsequent actions arising there from come within the scope of the Official Secret Act, 1923. The firms are requested to ensure complete secrecy regarding the

documents and the stores concerned with the enquiry and to limit the number of employees having access to this information. Non-Disclosure Agreement will be signed in contract with firm whose bid will MOST Advantageous/ Quality Cost based.

19. **Stamp Duty:** As per Stamp Duty Act 1889, firm is liable to pay stamp duty taxes @ 0.25% (25 paise per Rs. 100) of contract value. Firm will deposit the amount on account of stamp duty on TR/ Challan to Bank of Punjab and submit the deposit copy along with bill/invoice to procurement agency and consignee.

20. **Integrity pact:** Integrity pact will invariably be involved /invoked when the total value of the contract exceeds 10 Million as specified in PPRA Rule 2002-2004.

21. **Logistic Support:** It is also expected that the contracting firm will provide the sureties for the 20 years logistic support in the future. The undertaking from the contracting firm will be the part of the contract to provide logistic support in the following areas:-

(a) **Training:** The comprehensive training will be given by the developer firm regarding operation, fault location and trouble shooting of developed assys. This will also encompass the use of field and base level test equipment.

(b) **Test Equipment:** The developer will provide Test Equipment/ Test Jigs for along with accessories for testing of PCBs/ Cards within scope of the contract.

22. **Advance Payment:** 20% advance payment (less taxes) may be paid to firm against equal amount of ABG after signing of contract. Detail of ABG format is explained as per clause No.3 (part-II) terms and condition governing the contract.

PART-I

BIDDATASHEET (BDS)

(FIRMSWILLSUBMITBDSFULLYSIGNED ANDSTAMPEDWITHTECHNICALPROPOSAL)

IT No : _____

Procuring Agency : _____

Description of Stores : _____

<u>General</u>			<u>Firm's Response</u> (Yes / No)
1.	Description and quantity of stores:	As per Schedule of Requirement at Annex 'A' .	
2.	Delivery Period:	As per Annex 'D'	
3.	Destination(consignee):	ASRF HIT	
4.	Ineligible country (ies)	India and Israel	
5.	Eligibility of bidders	Bidder will render a certificate as per format at Annex B that the firm is neither defaulter/ blacklisted by any Government Organization directly or indirectly nor any investigation/ interrogation was ever carried out against the firm by any Pakistani or overseas intelligence/ investigation agency and the firm is fully eligible as per Government/ PPRA Rules to offer bid in this IT.	
6.	Criteria for price quotation	Price Schedule (Financial Proposal) at Annex 'C' , R & D cost may provide separately (if required).	

Status of Registrations			
7.	Registered Firms	Bidders will attach attested a copy of Registration Letter with HIT.	
Bidding Documents			
8.	Bid validity period	180days	
9.	Copies of IT documents to be submitted	One original and one certified copies of original	
10.	Submission of offer	Firms shall submit offers in 3 x separate envelopes i.e. (1) Technical Proposal envelop with copy of Earnest Money (EM) (2) Commercial Proposal envelop (3) Bid Security/ EM envelope duly sealed in One large size envelope.	
11.	Technical proposal	The Technical Proposal shall include bid security/ EM in form of CDR hiding he amount. Complete documents as per Tender Notice Part- I and Part-II duly signed and stamped on each page, complete technical data, literature, ATPs Sketches, brochure, proposal including specification as per subject IT.	
12.	Changes in bidding documents	After opening of technical offer, no request for change of OEM, principal, address, model, conditions, specifications, deletion of items, part no, nomenclature, quantity, A/U, etc.	

PART-II

TERMS AND CONDITIONS GOVERNING THE CONTRACT

Firms should fill the following with respect to clause no. 17 (**Disqualification**) of said IT:-

Ser	Clause	Firm's Reply (Yes / No)	Remarks
1.	<u>Delivery Schedule</u> . As per Annex 'D'		
2.	a. <u>Terms of Payment</u>. Payments will be made by CMA HIT Taxila Cantt/CMA DP (Rwp) through cheque against pre-receipted bills (duly affixed with revenue stamps) along with professional tax certificates (attested photocopies) of the suppliers after delivery and acceptance of stores. b. Partial payments against partial deliveries will be allowed. c. The payment to the registered person is linked with active taxpayer status of the supplier as per FBR data base. If any registered supplier is not on active Taxpayer list, his / her payment will be stopped till he / she files his / her mandatory returns and appears on ATL of FBR. d. The supplier shall furnish a 5% performance bank guarantee within one month from the date of signing of the contract from scheduled bank in Pakistan against the total value of contract excluding taxes/duties. This bank guarantee must remain valid for 2x years after the issuance of last CRV/CRC. Bank guarantee will be released after completion of warranty period of store.		

3.	<u>Advance Payment.</u> (a) Up to 20% advance payment of total value excluding taxes may be made to the firm against Advance Bank Guarantee (ABG) of equal amount. (b) Firm are requested to provide format of ABG from their concerned bank, the same format will be incorporated in contract, no amendment in ABG format after signing of contract will be acceptable.		
4.	<u>Performance Bank Guarantee (PBG).</u> 5% PBG will be provided from any scheduled bank of Pakistan on judicial stamped paper or CDR in favor of concerned CMA. The same will remain valid for 24 x months from the date of issuance of last CRV/ Inspection and will be released after completion of warrantee period		
5.	<u>Warranty/Guarantee:</u> Warranty period will be 24 x months from the date of issuance of last CRV/ Inspection Note.		

6.	<u>Failure/Termination</u> a. If at any time during the currency of the contract, the Purchaser decides to terminate the contract for any reason whatsoever, he shall have the right to do so by giving the Supplier a written notice to that effect. In that event, the Purchaser will accepted delivery at the contract price and terms, of such stores/ goods which are in actual process of manufacture that is completed and ready for delivery with in thirty days after receipt by Supplier of such notice. b. In the case of remaining undelivered stores/ goods/ materials, the Purchaser may elect either:- (1) To have any part thereof completed and take the delivery thereof at the contract price, or (2) To cancel the remaining quantity. c. Should the Supplier default i.e. fail to deliver subject assemblies in time or as per quality, the terms of the contract or fail to render Bank Guarantee within the stipulated time period or commit any breach of the contract, the Purchaser reserves the right to terminate/cancel the contract fully or any part thereof and the Supplier will be liable to return all the payments of undelivered stores at the rate of 1% above.		
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7.	<u>Late Delivery (LD):</u> If the “SUPPLIER” fails to deliver the contracted items according to the agreed schedule as specified in the contract, grace period of 21 days will be allowed. After the expiry of this grace period “Liquidated Damages “ at the rate of up to 2% per month of the value of the remaining deliverable may be levied but the total damages should not exceed 10% of the total cost of undelivered store/items.		
8.	<u>Effective Date of Contract(EDC)</u> EDC will be established from the date on which contract signed.		
9.	<u>Risk and Expense</u> . In the even to failure on the part of the Supplier to comply with the contractual obligation, the contract shall be cancelled at the risk and expenses of Supplier as per Government Rules and Regulations.		
10.	<u>Technical Assistance</u> . The Supplier shall be responsible for successful Setting-to-Work, commissioning and installation. The technical assistance by the Supplier during warranty period shall be free of cost and on request basis to the satisfaction of Purchaser.		
11.	<u>Arbitration</u> . Disputes (if any) shall be subject to ultimately settled in compliance with the laws of Pakistan and Chairman HITB will be the sole arbitrator in such situations.		
12.	<u>Purchaser’s Right</u> . The purchaser reserves the right of deletion, addition, and cancellation of the contract in part or full without assigning any reason whatsoever and without financial repercussion after signing of the contract. Such information will be passed to the supplier on his legal address by the Purchaser through the fastest possible means i.e. Telephone, Fax, Telex, Cable and Telegram etc.		

13.	<u>IP Rights:</u> IP Rights and ownership will rest with HIT. The purchaser will indemnify the seller against infringement of patent rights and other intellectual property rights in connection with manufacturing of firm developed Assemblies and all documents used during manufacturing of Assemblies. The documents provided by the supplier will not be shared with any third party without supplier's consent except when supplier is unable to provide Assemblies in future contracts due to non-avail of technical expertise/ manpower, blacklisting or bankruptcy of firm or quoting exorbitant price wrt LPR.		
14.	<u>Secrecy</u> . The Supplier(s) shall undertake that any information about the sale/purchase of stores under this contract shall not be communicated to any person, other than the manufacturer of the stores, or to any press or agency not authorized by this Directorate General, to receive it. Any breach on this account will be punishable under the Administrative Actions (Official Secret Act 1923) as per the Government of Pakistan in addition to termination of the contract with imposition of penalty up to 100% of the contract value on the supplier.		

PART– III
TECHNICAL CONDITIONS/ SPECIFICATIONS

Firms should fill the following with respect to clause no. 17 (**Disqualification**) of said IT:-

Ser	Clause	Firm's Reply (Yes /No)	Remarks
1.	<u>Inspection/Testing of Store</u> a. Inspection/testing will be carried out as per terms and conditions of the contract and as per technical specification and standards mentioned in operational and technical manual. The Supplier will provide the required technical specification to ascertain the said assemblies as per Anx 'D'. b. The Supplier will provide detail technical specification as per time line mentioned in the contract. Buyer will forward observations (if any) within two weeks to the Supplier. The desired specification will be mutually discussed between both the parties at the Purchaser's premises. All expenditures on account of inspection/testing of stores shall be on the Supplier's account. c. Reference sample of 03x assemblies/ specification will be shown to bidding firm (s) for study purpose in ASRF/HIT and they may visit HIT on any working day for the purpose		
2.	<u>Change in Specification/ Manufacturer/ Model.</u> No alteration in make/ brand and quality of stores will be entertained after opening of Bids. To the contrary, any change/ improvement will require approval of the technical authority/ user.		
3.	<u>Provision of Test Benches</u> The developer firm shall provide all accessories Test Benches/ Test Jigs required for card/ PCBs level testing diagnostic and repair under the scope of this contract		

4.	<u>TDPs</u>. A complete set of TDPs including detailed technical documents will be provided by the developer after qualification of prototype. HIT will consider the copyright protection and same will be discussed later in contracting phase with the successful bidder. The documents to be provided should contain the following:- a. Technical Manual with detailed description. b. Drawings, Process Sheets & Schematic diagram. c. Acceptance Test Procedures. d. Performance parameters. e. Dimensional details. f. Installation details. g. Trouble Shooting, fault diagnoses, Repair and Maintenance Manuals. h. Life expectancy of components. i. Gerber Files (if required) j. CAD files (if required) k. Hex files(if required) l. BOM & Components Detail		
5.	<u>Packing/Marking</u>. The Supplier shall be responsible for proper packing of the stores in accordance with the relevant paper particulars under the conditions laid down in the contract or other relevant instructions on the subject in standard export packing worthy of transportation by sea/ air/ road/ rail so as to ensure their contents being free from loss or damage due to faulty packing on arrival at the ultimate destination. Packing of stores will be done at the expense of the Supplier. All packing cases, containers and other packing material shall be come the property of the State of Pakistan on receipt.		

SCHEDULE OF REQUIREMENT AND DELIVERY

1. Fill following the delivery schedule: -

Ser	Description of Stores and Specification Services/ Documents	A/U	Quantity	Delivery schedule (shipment) in months	Shelf Life

Name of the Bidder:

**[complete name of the Bidder]*

Name and signatures

***[complete name of the person
authorized to sign the Bid on
behalf of the Bidder]*

Date:

CERTIFICATE OF ELIGIBILITY

(On Judicial Stamp paper Rs 100/E-Stamp Paper)

1. It is certified that our firm is neither defaulter / blacklisted by any Government Organization directly or indirectly nor any investigation/ interrogation was ever carried out against us by any Pakistani or overseas intelligence/ investigation agency. It is further certified that our firm is fully eligible as per Government Rules to offer bid in this IT.”
2. At any stage of bidding documents or after signing of contract, if it is established that information provide by our firm are false / contradictory so, our bid / contract should be cancelled and purchased the said store on our firm’s Risk & Expenses, forfeited our 5% PBG and debar / blacklist our firm till further order.

Name of MD_____

CNIC or Passport No._____

Signature_____

Date _____

FINANCIAL PROPOSAL

SCHEDULE OF PRICE - SUMMARY

Description of Stores

Ser	Description of Stores and Specification Services/ Documents	A/U	Qty	Unit Price Hardware (Excludin g GST)	18% GST on Hardware	R & D Price (Excluding GST)	16% GST on R & D (If applicable)	Total Price including GST

Note: Items are being offered as a package and contract will be awarded to 1x most advantageous firm.

Dated 03 Aug 2026

INDIGENOUS DEVELOPMENT OF PCBs of A-VEH

Ser	Part no	Description	Qty	Del of Prototype	Qual from (IHT/ITD /user trial)	Delivery of Bulk
a	b	c	d	e	f	g
1	WG0006.00-0122 "or equivalent"	Amplifying Board	1+2	12xMonths	IHT	2x Months after qualification of prototype
2	YV0012P.0102-3 "or equivalent"	Control Board 1	1+2		IHT	
3	YV0012P.010-03 "or equivalent"	Mother Board	1+2		IHT	
4	YV0012P.0102-02 "or equivalent"	Control Board 2	1+2		IHT	
5	YV0012P.0102-01 "or equivalent"	Power Board	1+2		IHT	
6	YV0012P.102-04 "or equivalent"	Laser Pulse Board	1+2		IHT	
7	YV0012A.0103-04 "or equivalent"	Rotary Control Board	1+2		IHT	
8	YV0012A.0103-06 "or equivalent"	CPU Board	1+2		IHT	
9	YV0012A.0103-05 "or equivalent"	Motor Drive Board	1+2		IHT	
10	YV0012A.0103-010 "or equivalent"	Installation Board	1+2		IHT	
11	YV0012A.0103-07 "or equivalent"	Mother Board	1+2		IHT	
12	YV0012A.0103-08 "or equivalent"	Filter Board	1+2		IHT	
13	YV0012A.0103-09 "or equivalent"	Transformer Board	1+2		IHT	
14	YV0012A.0109-284 "or equivalent"	Board	1+2		IHT	
15	YV0012A.04-05 "or equivalent"	TI Video Interface Board	1+2		IHT	
16	YV0012A.0403-01 "or equivalent"	CPU Board	1+2		IHT	
17	YV0012A.0403-02 "or equivalent"	Interface Board	1+2		IHT	

18	-	Driver	1+2	12xMonths	IHT	2x Months after qualification of prototype
19	-	Laser Power CCT Board	1+2		IHT	
20	-	Logic CCT Board	1+2		IHT	
21	-	Laser Amplifier Board	1+2		IHT	
22	YV0012A.0404-01 "or equivalent"	CPU Board	1+2		IHT	
23	YV0012A.0404-.02 "or equivalent"	Interface Board	1+2		IHT	

Note: Items are being offered as a package and contract will be awarded to 1x most advantageous firm.

Dated 03 Aug 2026**Eligibility Criteria**

1. **Qualification Criteria**. Performance and Technical Evaluation will be used as qualification criteria with 50% passing marks in each group / main head. Best evaluated bid will be ascertained having 40% weightage in Technical Parameter and 60% weightage in Fin aspect as per quality and Cost Based Selection (QCBS) of PPRA rules.

Cat	Mks	% Weight age	Remarks
Technical Evaluation	100	60	- head/sub Group/head - Minimum 50% to qualify in each Group / Main head/sub Group / head
Price Evaluation	100	40	

Marks Distribution Qualification Matrix

Ser	Description	Maximum Points
(a)	Financial Soundness	50
(b)	Technical Evaluation criteria	50
Total		100

a **Financial soundness**. Credit marks for financial soundness of the firm shall be on the basis of following qualifications:-

Ser	Description	Max Points	Explanation for Marks Obtained	Remarks
(1)	Annual turnover of last 3 x Financial Years	5	Marks will be calculated as per the formula:- Formula $\text{Score} = \frac{(Y1+Y2+Y3)}{3X} \times 5$ *(Y1,Y2,Y3 respective annual turnovers of last three years) X= Last purchased rate / estimated value of the quoted items available with HIT.	Third Party generated verifiable audit reports for last three financial years to be provided for minimum of up to Rs.5 Min. Bank Statement showing transactions of equal amount will be applicable for these reports

(2)	Working Capital of last 3 financial years	5	Marks will be calculated as per the formula:- Formula $\text{Score} = \frac{(Y1+Y2+Y3)}{3(x/2)} \times 5$ Y1, Y2 and Y3 being respective working capitals of last three years. X/2= Half of the last purchased rate / estimated value of the quoted items available with HIT.	Third Party generated verifiable audit reports for last three financial years to be provided for minimum of up to Rs.5 Min. Bank Statement showing transactions of equal amount will be applicable for these reports
(3)	Bank Credit Line	5	Full marks will be given to the bidders whose Bank credit lines issued by firm's concerned bank will be equal to or higher than X. Marks of remaining bidder will be calculated as per given formula:- $\text{Score} = \frac{X1}{X} \times 5$ X1= Bank Credit Line X = Last purchased rate / estimated value available with HIT.	
(4)	Litigation History where decision went against the firm	-	Marks for firms with no litigation history. One mark will be deducted for each litigation where decision went against the firm.	
Total		15		

- (b). **Past Experience/ Previous Record.** Credit marks for experience shall be awarded on the basis of following qualifications:-

Ser	Description	Max Points	Explanation for Marks Obtained	Remarks
(i)	Projects of similar nature and complexity i.e. Procurement and Indigenous Development of Cards & assemblies completed in last 3 years with HIT.	10	3 years (1 marks per contract Maximum 2.5 marks per year)	Attested and verifiable copies of related contracts / Purchase orders

(ii)	Status of enlistment with Government Organizations (Attested copies of Registration certificates to be enclosed).	5	Not registered firms be awarded 1 gratis Marks	
Total		15		

- (c). **Past Performance.** Credit Marks for past performance shall be awarded on the basis of following criteria:-

Description	Max Points	Maximum Points	Remarks
(i) Contracted store supplied beyond DP in last 3 years (data will be attached duly verified from the concerned procurement agency).	2.5	Marks of bidders will be calculated as per given formula:- X1 = Total value of last 3 years' contracts. X2 = Total value of last 3 years' contracts completed within DP first go.	
(ii) Quantum of rejections of items in the last 3 years contracts (data will be attached duly verified from the concerned procurement agency).	2.5	X1 = Total value of last 3 years contracts. X2 = Total value of the passed items in first go in the last 3 years' contracts. Formula: $\text{Score} = \frac{X2 \times 2.5}{X1}$	
(iii) Timely provision of docus/ bank guaranties / bid security money (data will be attached duly verified from the concerned procurement agency).	2.5	X1 = Total no of contracts concluded in last 3 years'. X2 = Total number of timely provided bank guarantees/ bid securities against the total no of contracts in last 3 years. Formula: $\text{Score} = \frac{X2 \times 2.5}{X1}$	
(iv) No of contracts / items still pending beyond DP (data will be attached duly verified from the concerned procurement agency).	5	1 marks would be deducted for each contract in hand, which is pending beyond DP over 2 months	

(v) Risk and Expense action against firm approved / litigation history against the firms	2.5	1x marks will be deduction of those firms whose against Risk and expense action approved / litigation history	
(vi) Response to HIT Procurement quires /problems	5	½ x marks will be deduct for each advice letter issued to the firm 1 marks will be deduct for each warning letter issued to the firm	½ marks for each weak response/not attending any conference /delayed response.
Total	20		

d. **Project's Technical Evaluation criteria**

Credit Marks on technical specification parameters will be granted as per following:-

Ser	Evaluation Factor Sand Description	Range	Max Points	Remarks
(1)	<u>Human Resources:</u>		10	
	(i) Number of PhDs on payroll in relevant field	1 Mark for each PhD, Maximum 3 Marks	3	
	(ii) Strength of Engineers (BSc) on payroll in relevant field	10 - 20 20 - 30 30 - 40 >40	4 5 6 7	
(2)	<u>Firm's Technical Capabilities and Past Experience:</u>		5	
	Team ex ASRF will be visit firm's premises to witness on around facilities / setups of R & D.			
(3)	<u>Monitoring of R&D activities/Hardware Design</u> Qualification of technical proposal shall be assessed to ensure the efficacy of developed Elect & Instrument assys (as per Anx-D of IT) in order to determine its viability. Assessment of the development approach by bidder will be carried out on following criteria:-		85	
	(i) Bidder shall identify the material of assys hardware and ensure availability and life cycle support of critical components and shall provide detail. The use of refurbished or obsolete components shall not be acceptable		5	

	(ii) Applicable Military Standard/ specs (MIL Std), (MIL-Spec) compliance shall be clearly specified for offered items/ components. (iii) Teflon wire/cable for internal wiring be used to cater for fire hazards. (iv). Conformal coating of cards be ensured.		5	
	(v) Development plan of methodology (vi) Proposed indigenous design / Block Diagram of hardware to be dev.		5	
	(vii). Firm commitment to provide BOM of relevant product/ assembly including list of components along with data sheet, PCB Gerber files, software/firmware/ programme of programmable ICs/ microcontrollers and processors, component layout diagram, device drivers, schematic diagrams, design diagram of casing, ICDs and complete data set if any machine learning algorithm is used. Any false information should be liable for disqualification of bid/ tender/ contract, if found at later stage. (3x marks will be deducted for each item discarded).		10	
	(viii). The bidder shall submit a firm commitment to provide training trouble shooting and diagnostic support, technical data packages and required test jigs/ fixtures for each card along with offered items/ equipment.		20	
	(ix). Firm having past experience in indigenous development of Gnr/ Comd Sight cards and IBMS of main battle tank shall submit relevant supporting documents including copies of contract inspection/ acceptance .		30	
	(x) Firm shall provide inspection reports / acceptance report of develop items duly approved by user / ITD.		10	
(4)	ISO Certificate:- Any firm have ISO valid certificate, 2 x grace marks will be given.			
Grand Total			100	
Score in Technical evaluation = $\frac{X}{100} \times 60$				
Marks Obtain out of 100 = X				

