

REQUEST FOR PROPOSAL
(AIR FORCE STATION, OJHAR)

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Air Force Station, Ojhar
Nasik – 422 221
Maharashtra

11BRD/6201/35/ISC/TyBM-215

24 Mar 2026

**INVITATION OF BIDS FOR INDIGENOUS DESIGN & DEVELOPMENT OF
WEAPON INTEGRATION TESTER FOR Su-30MKI AIRCRAFT**

REQUEST FOR PROPOSAL (RFP)
REF NO: 11BRD/6201/35/ISC/TYBM-215 DATED 24 Mar 2026

Dear Ma'am / Sir,

1. On-line bids, under ~~two-bid/single bid system~~ **Two Stage Bidding System** are invited on www.defproc.gov.in, for supply of items listed in **Part II** of this RFP.
2. This being an e-tendering case, clarifications are sought and provided on-line. The address and contact numbers for sending certain documents that are required to be submitted in hard copy are given below:-

- (a) Bids/queries to be addressed to: SPE, ASD-30
Air Force Station, Ojhar
Nashik – 422 221
- (b) Postal address for sending the Bids: Air Officer Commanding
Air Force Station Ojhar,
Nashik- 422 221
- (c) Name/designation of the contact personnel:
Squadron Leader S Ganguly
PE-2 ASD-30, 11 BRD, AF
Production Engineer,
ASD-30
- (d) Telephone numbers of the contact personnel:
02550-276641

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(S Ganguly)
Sqn Ldr
Proj Offr

Extn: 11 BRD - 7652
[AFNET, 11 BRD]
Mob.9403049418

- (e) e-Mail IDs of the contact personnel: **zanskar.121@gov.in**
- (f) Fax number: 02550-276640 / 47 / 49

3. This RFP is divided into five Parts as follows:-

- (a) Part I. Contains General Information and Instructions for the Bidders about the RFP such as the time, place of submission and opening of tenders, Validity period of tenders, etc.
- (b) Part II. Contains essential details of the items/ services required, such as the Schedule of Requirements (SoR), Technical Specifications, Delivery Period, Mode of Delivery and Consignee details.
- (c) Part III. Contains Standard Conditions of RFP, which shall form part of the Contract with the successful Bidder.
- (d) Part IV. Contains Special Conditions applicable to this RFP and which also form part of the contract with the successful Bidder.
- (e) Part V. Contains Evaluation Criteria and Format for Price Bids.

4. *This RFP is being issued with no financial commitment and the Buyer reserves the right to change or vary any part thereof at any stage. Buyer also reserves the right to withdraw the RFP, should it become necessary at any stage.*

5. Eligibility to Participate and Preference Policies.

- (a) Subject to provisions in the RFP, this invitation for Bids is open to all bidders who fulfil the 'Eligibility' and 'Qualification' criteria as on the last date of bid submission and continue to meet them till award of the contract.

(b) Also, the bidder must not be insolvent, in receivership, bankrupt or being wound up, not have its affairs administered by a court or a judicial office, not have its business activities suspended and must not be the subject of legal proceedings for any of these reasons during the period mentioned in sub-para (a) above.

(c) The bidder, its affiliates, or subsidiaries, including subcontractors or contractors for any part of the contract, should:-

(i) Not stand declared ineligible/ blacklisted/ banned/ debarred by the Procuring Organisation or by any Department of MoD, from participation in its/ their Tender Process;

(ii) Not stand debarred by the Department of Expenditure, from participation in the Tender Process by any Ministry/ Department;

And / Or

(iii) Not be convicted (within three years preceding the last date of bid submission) or stand declared ineligible/ blacklisted/ banned/ debarred by appropriate agencies of Government of India from participation in Tender Process for all of its entities, for:-

(aa) Offences involving moral turpitude in business dealings under the Prevention of Corruption Act, 1988 or any other law; and/or

(ab) Offences under the Indian Penal Code or any other law for causing any loss of life/ limbs/ property or endangering Public Health during the execution of a public procurement contract; and/ or

(ac) Suspected to be of doubtful loyalty to the Country or a National Security risk, as determined by appropriate agencies of the Government of India.

(iv) Not have changed its name or created a new business entity as covered by the definition of "Allied Firm", consequent to having been declared ineligible/ blacklisted/ banned/ debarred as above.

(v) Not have an association (as a bidder/ partner/ director/ employee in any capacity):-

(aa) With a retired Manager (of Gazetted Rank) or a retired Gazetted Officer of the Central or State or its Public Sector Undertakings, if such a retired person has not completed the cooling-off period of one year after his/her retirement. However, this shall not apply if such managers/ officers have obtained a waiver of the cooling-off period from their erstwhile organisation.

(ab) With near relations of executives of the Procuring Entity involved in this Tender Process.

(vi) Not have a conflict of interest which substantially affects fair competition. The prices quoted should be competitive and without adopting any unfair/ unethical/ anti-competitive means. No attempts should be made to induce any other bidder to submit or not to submit an offer for restricting competition.

(d) The bidder must also fulfil other additional eligibility condition/s, if any, as may be prescribed in the RFP and must provide evidence of their continued eligibility to the Procuring Entity, if so required.

(e) This being an indigenisation/development proposal, Indian Vendors will be eligible, subject to meeting the definition of Indian Vendors and certain other conditions as mentioned in the RFP.

6. Broad Details of Proposal.

(a) The proposal is for undertaking Indigenous Design & Development of Weapon Integration Tester, to ascertain the serviceability of the Weapon system of Su-30MKI ac. The Tester design should be such that it is capable of validating the Weapon Firing Circuit in all three channels of the Weapon Control System before loading of actual stores and to detect any unserviceability w.r.t. Energetic Channel, Information Channel or the RF communication Channel during circuit checks. The development shall be undertaken with, ~~formulation and finalisation of Qualification Test Plan (QTP)~~, prototype development, and its qualification testing as per duly approved QTP, certification, ~~followed by repair / manufacture and supply of initial order quantities (IOQ).~~

(b) Limited technical publications/details are available with IAF and same shall be shared with the bidder. However, as part of development process, the actual technical specifications are to be generated by the successful bidder and same shall need to be got approved from RCMA / Depot SRC, before commencement of prototype development.

PART I - GENERAL INFORMATION

1. **Mode of Tendering.** ~~Limited Tender Enquiry~~ / Open Tender Enquiry, with RFP hosted on CPPP & www.defproc.gov.in. Bids receipt and evaluation shall be undertaken on-line, on defproc portal.

2. **Critical Dates.** The critical dates with respect to this TE/RFP are as tabulated:

SI No	Bids	Date	Time
(a)	Bid publishing	'B' Date	
(b)	Pre-Bid Meeting	'B' + 14 Days	
(c)	Last Date for seeking Clarifications	'B' + 21 Days / 1030 Hrs	
(d)	Bids Submission (Technical and Commercial) End Date / Time	'B' + 28 Days / 1030 Hrs	
(e)	Opening of Technical Bid	'B' + 28 Days / 1130 Hrs	
(f)	Submission of prototype on NCNC basis – By Technically qualified Bidders only	Within 4 months from date of intimation by Buyer 'P' Date	
(g)	Validation/Evaluation of Prototype by Buyer	'P' + 2 months	
(i)	Opening of Commercial Bid	On-line. Shall be intimated by buyer after conduct of trials/evaluation of prototype	

3. **Last Date and Time for Submitting the Bids.** Up to **1030hrs** on **22 Apr 26**. On-line Bids (both technical and commercial), should be submitted by the due date and time, as mentioned a Para 2 above (Critical Dates). The responsibility to ensure this lies with the Bidder.

4. **Manner of Submitting the Bids.** On-line bids should be submitted in the manner prescribed in the relevant e-procurement portal. Bids sent by Fax or e-mail will not be considered (~~unless they have been specifically called for by these modes due to urgency~~). Technical Bid and associated documents are to be submitted as **Cover 1 (both online and in hard copy)**. BOQ and Commercial Bid shall be submitted as **Cover 2 (only online)**. **Bids where Cover 2 is attached along with Cover 1 and/or vice versa, shall be rejected without evaluation.**

Cover 1 - Online Submission

(a) **Technical Bid.** The Technical Bid, duly filled and signed/stamped, shall be submitted as per format placed at **Annexure 1**, failing which, may lead to rejection of the bid.

(b) Along with the Technical Bid (Cover 1), following certificates / documents are to be submitted:-

(i) **Under taking/Commitment certificate**, duly filled up and signed / stamped, as per format placed at **Annexure 2**.

(ii) **Tender Acceptance Certificate**. The bidder shall certify for acceptance of all the tender conditions of the RFP/TE and accordingly submit a duly signed/stamped certificate, as per format at **Annexure 3**.

(iii) **Cyber Security/Security of Information Details/Certificates**. To be submitted, as per format placed at **Annexure 4**.

(iv) **Earnest Money Deposit (EMD) / Bid Security**. Being an Indigenous development / Repair proposal, EMD/Bid security is not called for.

(v) **Bid Securing Declaration**. In place of a Bid security, the Bidders are required to sign a bid securing declaration. This bid securing declaration must be duly filled, signed/stamped and submitted, as per format placed at **Annexure 5**.

(vi) **Eligibility Declarations**. The following declarations (as applicable) shall be made by the Bidder and submitted along with **Cover 1 / Technical Bid:-**

(aa) **Start-up Status**. (*Applicable for only those bidders applying under Start-up category*). Format for ibid declaration is placed at **Annexure 6**. For applicability, refer Department of Promotion of Industry and Internal Trade (DPIIT) guidelines. Attach copy of Start-up Registration certificate issued by DPIIT, along with Annx 6.

(ab) **Indian Vendor Status**. (*Applicable for all bidders*). Format for ibid declaration is placed at **Annexure 7**. ~~Since the design/specifications are available, eligibility is governed by the provisions contained at Para 1.3.16(a) of DPM 2025, Vol-I~~

(Or)

Since the complete design/specifications are not available, eligibility is governed by the provisions contained at Para 1.3.16(a) and 1.3.16(b) of DPM 2025, Vol-I. Attach copies of industrial licence/registration certificate issued by DPIIT/details of ownership and control, as applicable, along with Annx 7.

(vii) **Indigenous Content (IC) Requirement.** (*Applicable for all Bidders*). Bidders shall submit an undertaking that they will be able to meet the minimum **IC of 50%**. Format for the same is placed at **Annexure 8**.

(viii) **Code of Integrity Declarations** (*Applicable for all Bidders*). As mandated by DPM 2025, Vol-I, Declaration for abiding to the Code of Integrity for Public Procurement and Proactive Declaration under the Code of Integrity for Public Procurement, are to be submitted by the Bidders along with their Technical Bids. Format for the same is placed at **Annexure 9**.

Cover 1 – Submission in Hard Copy

(c) **Annx 1 to Annx 9**, as mentioned at sub-paras (a) and (b) above, **shall also be submitted in hard copy**. The hard copies submitted should be same (verbatim) as those submitted online, failing which, such bids maybe rejected.

Cover 2 - Online Submission Only

(d) **Financial Bid in the form of 'BOQ'**. Bidder needs to fill up, Firm's Name, Development Cost, Prototype Cost, ~~Initial Order Qty Cost~~, Taxes, Warranty, Misc charges, in the appropriate fields of BOQ. System will automatically calculate total price and decide the Lowest Bidder (L-1).

(e) Additional information on breakdown of various costs, MOQ and future prices shall also be submitted along with the BOQ, in the Commercial Bid format placed at **Annexure 10**. Same should be duly signed/stamped and uploaded/attached.

5. **Time and Date for Opening of the Bids.** Technical Bids will be opened online, on **22 Apr 26** at **1130 hrs**. If due to any exigency, the due date for opening of the Bids is declared a closed holiday, the Bids will be opened on the next working day at the same time or on any other day/time, as intimated by the Buyer.

6. **Location of the Tender Box.** Main Guard Room,
Air Force Station, Ojhar
Nasik, Maharashtra 422 221

7. **Place of Opening of the Bids.** On-line at: CP Building,
Air Force Station, Ojhar
Nasik, Maharashtra 422 221

8. Reading out Contents of the Bids. The Bidders may depute their representatives, duly authorised in writing, to attend the opening of Bids on the due date and time. Rates and important commercial/ technical clauses quoted by all Bidders will be read out in the presence of the representatives of all the Bidders. This event will not be postponed due to non-presence of any representative.

9. Two Stage Bidding System. This is a Two Stage Bidding system and only the Technical Bids would be opened on the time and date mentioned above. Post evaluation of the technical bids, the qualified bidders will be notified. Only such qualified bidders, are to submit one prototype (**on, No Cost No Commitment basis**), within **04 months** of declaring their eligibility. The buyer shall undertake validation/evaluation of the prototype and aim to complete the trials within **02 months** post receipt of prototype. **Commercial Bids of only those firms will be opened, whose prototype is found compliant/suitable after evaluation/trials. Date of opening of the Commercial Bids will be intimated, after acceptance of the prototype.**

10. Submission of Bids. Bids should be submitted on-line by the Bidders, under their Digital Signature. **All the documents/certificates uploaded in the portal shall be duly signed/stamped by the bidders. Documents without such authentication maybe rejected.** Similarly, hard copy of documents/certificates submitted as **Cover 1**, shall also be duly signed/stamped by the bidders.

11. Amendment(s) to RFP. At any time prior to the date of submission of bids the Buyer may, whether at its own initiative or in response to a clarification requested by a prospective bidder, may modify the TE/RFP documents by amendments. The amendments shall be notified in writing to all prospective bidders. In order to afford all prospective bidders a reasonable time to take the amendment(s) into account in preparing their bids, the Buyer shall suitably extend the deadline for submission of bids.

12. Clarification Regarding Contents of the RFP. The e-Procurement application provides an interface for bidders to seek clarifications online and the procurement authority to reply to the same. The start date and end date for seeking clarifications are mentioned in the critical dates indicated, at Para 2 above.

13. Modification and Withdrawal of the Bids. A Bidder may modify or withdraw his/her Bid after submission, as per the modalities given in relevant e-procurement portal. No bid shall be modified after the deadline for submission of bids. No bid may be withdrawn in the interval between the deadline for submission of bids and expiration of the period of bid validity specified. Withdrawal of a bid during this period, will result in forfeiture of the EMD/bid security (if any) submitted by the concerned Bidder.

14. Clarification Regarding Contents of the Bids. During evaluation and comparison of the Bids, the Buyer may, at its discretion, ask the Bidder for clarification(s) on his/her Bid. The request for clarification(s) will be given in writing and no change in prices or substance of the Bid will be sought, offered or permitted. **Clarifications sought must be replied by the bidder(s) within ten days.** No post-bid clarification(s) on the initiative of the bidder will be entertained.

15. Rejection of the Bids. Canvassing by the Bidder in any form, unsolicited letter(s) and post-tender correction(s), may invoke summary rejection, with forfeiture of EMD. **Conditional tenders will be rejected.**

16. Unwillingness to Quote. Bidders unwilling to quote should ensure that intimation to this effect reaches before the due date and time of opening of the Bids, failing which the defaulting Bidder may be delisted for the given range of items as mentioned in this RFP.

17. Validity of Bids.

(a) The bids should remain valid till **DD/MM/YYYY (at least 07 months)**, from the last date of submission of the Bids (i.e. minimum '**B'+28 days+07 months**).

(b) If due to unforeseen reasons, the evaluation/trials of prototype exceeds the bid validity period, all qualified bidders who have submitted prototype and whose prototype passes the evaluation/trials, shall be given an opportunity to suitably extend the bid validity period, by a period as decided by the buyer.

18. Pre-Bid Conference. *Not Applicable.*

19. Special Instructions to Bidders for e-submission of bids online through e-Procurement Portals, may be adhered to. The details of EMD and other documents submitted physically to the Organisation/Unit and the scanned copies furnished at the time of bid submission online, should be the same, otherwise the Tender will be summarily rejected.

20. In case of e-Bidding, EMD instruments and certificates/ documents sought in hard copy, should be either dropped in the Tender Box (During any working day i.e. MON to FRI between 0730 hrs to 1400 hrs) marked as '**Tender Box Indigenisation**' kept at the Depot Main guard room (**Para 6** above refers for location) **Or** sent by registered post at the address given above so as to reach by the due date and time. **No responsibility will be taken for postal delay or non-delivery/non-receipt of documents. Documents/certificates sent by Fax or e-mail will not be considered. Documents/Certificates, dropped in the wrong Tender Box will not be considered.**

Eligibility Conditions and Preference Policies

21. **Bidders from Specified Countries.** *Not Applicable.* Firms/Labs/Academia based in India only, will be eligible for participation

22. Firms/Labs/Academia performing the role of stockist/dealer are not eligible for participation in the bidding, since, it is a Design & Development /~~Repair~~ case.

23. **Conflict of Interest among Bidders/Agents.** A Bidder shall not have conflict of interest with other bidders. Such conflict of interest can lead to anti-competitive practices to the detriment of Buyer's interests. The Bidder found to have a conflict of interest shall be disqualified. A Bidder may be considered to have a conflict of interest with one or more parties in this bidding process, if:-

- (a) They have controlling partner(s) in common; or
- (b) They receive or have received any direct or indirect subsidy/ financial stake from any of them; or
- (c) They have the same legal representative/agent for purposes of this Bid; or
- (d) They have relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the Bid of another Bidder; or
- (e) Bidder participates in more than one Bid in this bidding process. Participation by a Bidder in more than one Bid will result in the disqualification of all bids in which the parties are involved. However, this does not limit the inclusion of components/ subassemblies/ assemblies from one bidding manufacturer in more than one bid.
- (f) One agent cannot represent two manufacturers or quote on their behalf in a particular tender enquiry. One manufacturer can also authorise only one agent/dealer. There can be only one Bid from the principal manufacturer directly or through one Indian agent on his/her behalf.
- (g) A Bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the contract that is the subject of the Bid;
- (h) In case of a holding company having more than one independent manufacturing unit or more than one unit having common business ownership/ management, only one unit should quote. Similar restrictions would apply to closely related sister companies. Bidders must proactively declare such sister/ common business/ management units in same/ similar line of business.

24. Public Procurement (Preference to Make in India) (PPP-MII) Order, 2024.

Not Applicable. Since this is a D&D proposal.

25. Public Procurement Policy for MSEs, 2012 (as amended in 2018 and subsequent amendments). *Not Applicable.* Since this is a D&D proposal.

26. Support to Start-ups recognised by DPIIT. Conditions of prior turnover and prior experience are relaxed for Start-ups, subject to meeting all other Qualitative Requirements/Technical Specifications, as mentioned in this RFP. Decision of the Procuring Entity in this regard shall be final.

27. Bidders for Indigenisation/Development Proposals/Contracts.

~~(a) Since the Design/Specifications are being made available to the bidders by the Buyer, Indian Vendors as defined hereunder, are only eligible for bidding: [also refer Para 1.3.16(a), of DPM 2025, Vol-I], An Indian Vendor/Bidder by whatever nomenclature when referred to, means for Defence products requiring industrial licence, an Indian entity, which could include incorporation/ ownership models as per Companies Act, Partnership Firm, Proprietorship and other types of ownership models, including Societies as per relevant laws, complying with, besides other regulations in force, the guidelines/ licensing requirements stipulated by the Department for Promotion of Industry and Internal Trade (DPIIT) as applicable. For Defence products not requiring industrial licence, an Indian entity registered under the relevant Indian laws and complying with all regulations in force applicable to that industry will be classified as an Indian Vendor/ Bidder.~~

~~**Note:** "Definition of Indian Company/Entity/Vendor be adopted as per the provisions of Companies Act 2013 or any other Act/Rules/Regulations notified by Government of India, as amended from time to time".~~

(Or)

(b) Since the Design/Specifications are not fully available with the Buyer and this would entail design, development and production by the Bidders, hence, the following additional conditions - over and above those mentioned at (a) above - relating to ownership and control, will also apply to Indian Vendors, for being eligible for bidding:- [also refer Para 1.3.16(b), of DPM 2025, Vol-I],

(i) Ownership by Resident Indian Citizen(s). A company is considered as 'Owned' by resident Indian citizens if more than fifty percent (50%) of the capital in it is directly or beneficially owned by resident Indian citizens and/ or Indian companies, which are ultimately owned and controlled by resident Indian citizens. This implies that the maximum permitted Foreign Direct Investment (FDI) shall be forty-nine percent (49%). No pyramiding of FDI in Indian holding companies or in Indian entities subscribing to shares or securities of the Applicant Company shall be permitted. Indirect foreign investment shall be accounted for in counting the forty-nine percent (49%) FDI.

(ii) Control by Resident Indian Citizen(s) (As defined in the Companies Act 2013). 'Control' shall include the right to appoint majority of the directors or to control the management or policy decisions exercisable by person/s directly or indirectly including by virtue of their shareholding or management rights or shareholder's agreements or voting agreements.

(c) Bidders (under both of above categories) will also have to meet the Indigenous Content (IC) requirement of **minimum 50%** (Refer Para 10.7 of DPM 2025), calculated as under:-

(i) IC in any given goods or service refers to the amount of value added in India. For the purpose of this RFP/TE, IC shall be arrived at, on the basis of the Base Contract Price (i.e. the Total Contract Price, less taxes and duties) of that item, besides meeting the conditions for Indian vendors. Bidders will also have to meet the other commercial, financial and technical criteria, as mentioned in this RFP.

(ii) A sample format for certification of IC by the vendor, is placed at **DPMF 33**.

(iii) IC may be arrived at by excluding the cost of following elements of manufacturing/ production/ assembly. (Sample format for computation of IC by the vendor, is placed at **DPMF 34**):-

(aa) Direct costs (excluding customs duties, freight/ transportation and insurance) of all materials, components, sub-assemblies, assemblies and products imported into India.

(ab) Direct and Indirect costs of all services obtained from non-Indian entities/ citizens.

(ac) All license fees, royalties, technical fees and other fees/ payments of this nature paid to agencies located outside India, by whatever term/ phrase referred to in the contracts/ agreements made by vendors.

(d) Subsequently, on contract conclusion, for all contracts where the base contract price exceeds **₹10 crore**, a certificate of IC, issued by the Responsible Designated Official, i.e. the Contract Signing Authority, Authorised Signatory, etc. of the vendor and certified by the Statutory Auditor or Cost Auditor (in case of companies) and by a practicing Cost Accountant or Chartered Accountant (in respect of vendors other than companies) is to be submitted along with or before the final invoice of the contract, as per **DPMF 33**.

(e) At all prior stages, the vendor shall submit an undertaking of compliance.

Other General Instructions to Bidders

28. Safety of Information and Non-usage of Smart Devices. Bidders shall comply to all the requirements of IAF, in ensuring safety of information and non-usage of smart devices (Mobiles, Laptops, Pen drives, HDD, etc.) during their visits to this Depot and other IAF establishments, as part of their feasibility studies/meetings/discussions/inspections/testings.

29. The technical criteria are defined in the form of various qualification requirements (QRs). These are specified as Essential QRs and Desirable QRs, in the Tech bid performa (Annx 1). Only those firms meeting the Essential QRs, will be considered for their commercial bid evaluation, failing which, they will be rejected during technical evaluation. The adherence to these essential QRs must be duly supported by documents along with the technical bids. On-site verification of a firm's capability / capacity shall be conducted by a team from the Buyer, if felt necessary. Bidders participating in bidding are deemed to have agreed to this verification.

30. Supporting documents submitted by the Bidder must be certified as follows:-

(a) All copies of supply/work order/s; respective completion certificate/s and contact details of clients; documents issued by the relevant Industries Department/ National Small Industries Corporation (NSIC)/ manufacturing licence; annual report, etc., in support of experience, past performance and capacity/capability, should be authenticated by the person authorised to sign the Tender on behalf of the Bidder. Original documents must be submitted for inspection, if so demanded.

(b) All financial standing data should be certified by certified accountants, for example, Chartered Accountants/ Cost Accountants or equivalent; and the Bidder should furnish their Permanent Account Number.

PART II - ESSENTIAL DETAILS OF ITEMS/ SERVICES REQUIRED

1. **Schedule of Requirements.** List of items/ services required is as follows:-
(Name/ Type of item/ services/ description of stores/ quantity required)

SI No	Part No	Desc	Proto -type Qty	Initial Order Qty (IOQ)	Raw Material(s) by
(a)	ASD30-WEAPON INTEGRATION TESTER-M	SU-30 MKI WEAPON INTEGRATION TESTER	01	Nil	By Firm
(b)	Training	To be imparted by Manufacturer for 04 personnel, for 02 days			
(c)	Publications	Operating Manual and Troubleshooting Manual – 02 sets each in hard copy and one set each in soft copy			
(d)	Warranty	Two years, from date of acceptance of the Tester			
(e)	AMC				
(f)	Preparation of QTP				
(g)	Qualification Testing	As mentioned in QTP (Tests shall be undertaken by Bidder, except for those tests that are undertaken on aircraft at Depot)			

Note:- *Development / Repair Order (DO) will be placed on the selected Firm for Development / Repair of required number of prototypes and for IOQ, as specified above. However, the IOQ shall be manufactured / Repaired and supplied, only after go-ahead is given in writing by the Buyer, which will be, only after successful testing of prototype samples and issuance of Certification by Buyer.*

2. **Documents/Items/Certificates to be Submitted along with Delivery of Prototypes, IOQ & Future Bulk Supplies.** The following documents/items (as applicable, for the product) are to be submitted along with delivery of the prototypes, IOQ and future bulk orders as and when placed:-

- (a) ~~Certificate of Conformance~~ regarding materials, parts, Sub-parts, sub-sub parts, Components, etc. used by Firm, when these are supplied by 11 BRD.
- (b) ~~Bill of Materials and Certificate of Conformance~~ regarding materials, parts, Sub-parts, sub-sub parts, Components, etc. used by Firm, when these are sourced by the manufacturer.
- (c) ~~For Metal, Rubber & Non-Metallic Items.~~ In all such cases where the raw materials are sourced by the manufacturer, a material test report from a NABL / Govt approved Lab, must be rendered along with prototypes, IOQ and also

during future bulk supplies. The additional cost of such testing may suitably be catered for / indicated in the prices mentioned in commercial bid.

(d) ~~For Electronic/Electric Items. ESS test certificate in case non-MIL grade components are used Or MIL grade certificate, in case MIL grade components are used, per batch of prototype, IOQ and also during future bulk supply orders. The additional cost of such testing may suitably be catered for / indicated in the prices mentioned in commercial bid.~~

(e) Work Compliance Certificate Part IV (format placed at **Annexure 11**). Manufacturing/Repair/Heat Treatment/Plating/any other special processes adopted, along with list of sub-parts/components used/replaced, must be stated clearly in this Document and duly signed/stamped.

(f) First Article Inspection. Manufacturer's internal quality and dimensional checks undertaken must be submitted, which is to be duly signed/stamped.

(g) All qualification test reports/results (as laid out in the QTP) are to be rendered to this Depot at the time of prototype and IOQ delivery and also during future bulk supply orders.

(h) ~~For Rubber Items/Sealing Rings/O Rings/Gaskets. — Each part is to be packed separately in an opaque cover, with DOM, DOE & Rubber Compound used details labelled on each pouch. In addition, each unique 'O' Ring / Seal developed/supplied, must be accompanied along with a mandrel (GO-NO GO Gauge), for checking ID.~~

(i) ~~For Metal Parts/General Spares. For metal items, where HRC is specified, one sample test specimen (Size = Max thread diameter / thickness of finished product) is to be submitted along with prototypes, IOQ and bulk supplies.~~

(j) Technical & Design details, including hardware and software ICDs and codes, as applicable for the product.

(k) PDR, CDR documents and the QTP/PAT, as applicable.

(l) Operating Manual, Parts Catalogue and Maintenance schedules of the product, as applicable.

(m) Trouble shooting manual, as applicable.

(n) Other technical publications, such as drawings/diagrams/circuitry generated, for understanding the functioning and carrying out troubleshooting of the product, as applicable.

- (o) ICD along with schematic diagram and Functional block diagram with signal details of all PCBs used in development, as applicable for the product.
- (p) A Software Certificate (Independent Verification & Validation) for any software used/ modified in Indigenous Design, as applicable for the product.
- (q) Malicious Code Certificate to be provided by the Firm, as applicable for software related products (as per format placed at **Annexure 12**).
- (r) **Indigenous Content Certificate**. IC certificate, self-certified Or by an Auditor (**for contract value > Rs 10 crores**), as per **Annexure 13**, along with proforma for Computation of IC as per **Annexure 14** are to be submitted along with prototypes and IOQ.

3. **Technical Details.**

- (a) ~~The sample is available at this Depot, which can be studied any time between 0730hrs to 1400hrs on all working days (MON-FRI) till the date of submission of bids. (Or) The sample is not available and same needs to be researched based on functional requirements and developed.~~
- (b) Brief specifications as available, are placed at **Annexure 15**. ~~It be noted that the complete specifications of the item(s) are not available.~~ Hence, the Bidder needs to study the sample and generate/develop the specifications. ~~The same will have to be got approved from Buyer and RCMA/CEMILAG, before proceeding with actual development.~~
- (c) **Raw Materials**. ~~All raw materials shall be supplied by Depot (Or) All raw materials will have to be sourced by the Bidder, in original or suitable aviation grade substitute, in consultation with and approval of Buyer and RCMA/CEMILAG. Change in the approved raw material(s), is not permitted at any time, including in future bulk supplies, without the explicit written consent of Buyer /RCMA.~~
- (d) ~~The Qualification Test Plan (QTP), also referred as test schedule, is not available / is available and placed at **Annexure 16**. Same has to be prepared by the bidder and get it approved from RCMA/CEMILAG. Towards this, preliminary design review and final design reviews shall be conducted in a collegiate mechanism involving the Buyer, Seller and RCMA. Prototype development can only commence, once the bidder has obtained the approved QTP from RCMA/CEMILAG.~~
- (e) Qualification tests, as laid out in the QTP, are to be carried out at the expenses of Bidder, except for those tests where the testing is to be undertaken by Depot on test bench and/or on aircraft. The qualification tests should be undertaken by the manufacturer, either at their own in-house test facilities or if the qualification tests are being outsourced, then same shall be undertaken at only NABL accredited / Govt Labs.

(f) The prototypes and IOQ will be subjected to final acceptance and certification, and shall be as per Depot's / RCMA's approval.

4. **Criticality / Approval Requirements.** The item(s) is/are meant for aviation use. Approvals will be required to be obtained at each stage of development / Repair, as mentioned below:-

~~(a) Finalisation of drawing/design and QTP.~~

(b) Selection of Materials/components/sub parts /sub sub parts.

(c) Selection of manufacturing / Repair process.

~~(d) Extent and sequence of destructive and non-destructive testing (as applicable).~~

(e) Clearance for initial functional testing, as per test schedule.

(f) Final testing, clearance and certification.

5. **Development / Repair:** The term 'Development' / Repair in ibid RFP includes:

(a) Generation of specifications and design development for functional equivalent of the item. ~~For test assembly the original design is not required to be retraced and whole assembly can be treated as test bench.~~

~~(b) Formulation of test schedule and approval by RCMA.~~

(c) Development of tooling/dies/fixtures and such other one-time requirements.

~~(d) Development /Repair of required number of prototypes and manufacture of IOQ.~~

(e) Testing of the prototypes and IOQ, as per the QTP, except for those tests undertaken at Depot

6. **Two Stage Bidding System.** Bidders are required to furnish clause by clause compliance of specifications mentioned in Annx 1, bringing out clearly the deviations from specifications, if any. The Bidders are to submit the compliance statement, duly signed/stamped, as their Technical Bid / Cover 1.

7. **Delivery Period.**

(a) Post evaluation of the technical Bids, all technically qualified Bidders shall be invited/intimated to submit one prototype on No Cost No Commitment Basis.

(b) Delivery period for supply of prototype, on NC NC basis is **04 months (DD/MM/YYYY)** from date of such intimation. Extension of delivery period will be at the sole discretion of the Buyer, with or without applicability of LD clause. However, this period will not include time spent in the functional testing and various approvals. ~~Once the prototypes are accepted, the IQQ shall be delivered within next 03 months, from the date of prototype certification.~~

(c) Please note that Contract can be cancelled unilaterally by the Buyer in case item(s) is/are not received within the contracted delivery period.

8. **Delivery:** Door to Door, from Consignor to Consignee.

9. **Consignee Details.** Air Officer Commanding,
Air Force Station Ojhar,
Nasik,
Maharashtra- 422 221

PART III - STANDARD CONDITIONS OF RFP

The Bidder is required to give confirmation of their acceptance of the Standard Conditions of the RFP mentioned below

1. **Law.** The Contract shall be considered and made in accordance with the laws of the Republic of India. The Contract shall be governed by and interpreted in accordance with the laws of the Republic of India.
2. **Effective Date of the Contract.** The Contract shall come into effect on the date of signing of the Contract or as mutually agreed by the Parties and shall remain valid until the completion of the obligations of the parties under the Contract. The deliveries and supplies and performance of the services shall commence from the effective date of the Contract.
3. **Arbitration.** All disputes or differences arising out of or in connection with the Contract shall be settled by bilateral discussions. Any dispute, disagreement or question arising out of or relating to the Contract or relating to performance, which cannot be settled amicably, shall be resolved through arbitration. The standard clauses of arbitration are as per **Appendix H of DPM 2025, Vol-II.**
4. **Penalty for use of Undue Influence.** The Seller undertakes that he has not given, offered or promised to give, directly or indirectly, any gift, consideration, reward, commission, fees, brokerage or inducement to any person in service of the Buyer or otherwise in procuring the Contract or forbearing to do or for having done or forborne to do any act in relation to the obtaining or execution of the present Contract or any other Contract with the Government of India or showing or forbearing to show favour or disfavour to any person in relation to the present Contract or any other Contract with the Government of India. Any breach of the aforesaid undertaking by the Seller or any one employed by him or acting on his/her behalf (whether with or without the knowledge of the Seller) or the commission of any offence by the Seller or anyone employed by him or acting on his/her behalf, as defined in Chapter IX of the Indian Penal Code, 1860 or the Prevention of Corruption Act, 1986 or any other Act enacted for the prevention of corruption, shall entitle the Buyer to cancel the Contract and all or any other Contracts with the Seller and recover from the Seller the amount of any loss arising from such cancellation. A decision of the Buyer or his/her nominee to the effect that a breach of the undertaking has been committed, shall be final and binding on the Seller. Giving or offering of any gift, bribe or inducement or any attempt at any such act on behalf of the Seller towards any officer/ employee of the Buyer or to any other person in a position to influence any officer/ employee of the Buyer for showing any favour in relation to this or any other Contract, shall render the Seller to such liability/ penalty as the Buyer may deem proper, including but not limited to, termination of the Contract, imposition of penal damages, forfeiture of the Bank Guarantee and refund of the amounts paid by the Buyer.

5. Agents/ Agency Commission. The Seller confirms and declares to the Buyer that the Seller is the Original Equipment Manufacturer (OEM)/ OEM Authorised Subsidiary/OEM Authorised Vendor/Government sponsored Export Agency (applicable in the case of countries where domestic laws do not permit direct export by OEMs) of the stores/ provider of the services 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, to award the Contract to the Seller; 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 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 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, the Seller will be liable to refund that amount to the Buyer. The Seller will also be debarred from entering into any Supply Contract with the Government of India for a minimum period of five years. The Buyer will also have a right to consider cancellation of the Contract either wholly or in part, without any entitlement or compensation to the Seller, who shall, in such an event, be liable to refund all payments made by the Buyer in terms of the Contract along with interest at the rate of 2% per annum above LIBOR rate. The Buyer will also have the right to recover any such amount from any Contracts concluded earlier with the Government of India.

6. Access to Books of Accounts. In case it is found to the satisfaction of the Buyer that the Seller has engaged an Agent or paid commission or influenced any person to obtain the Contract as described in clauses relating to Agents/ Agency Commission and penalty for use of undue influence, the Seller, on a specific request of the Buyer, shall provide necessary information/ inspection of the relevant financial documents/ information.

7. Non-Disclosure of Contract Documents. Except with the written consent of the Buyer/ Seller, other party shall not disclose the Contract or any provision, specification, plan, design, pattern, sample or information with proprietary markings thereof to any third party, unless required by either Government of the Parties or by Seller's suppliers solely for the purpose of performing the obligations under the Contract.

8. Liquidated Damages (LD). Since this is a case of D&D, with nil IOQ involved, hence, LD clause is not applicable for ibid proposal. However, **ibid clause shall be applicable only for procurements made subsequent to successful development. In the event of the Seller's failure to supply the stores/ goods/ any instalment thereof or fails to perform services, conduct trials, installation of equipment, training and MET as per schedule specified in a contract, the CFA, without prejudice to the rights of the purchaser to any other remedy for breach of contract, may recover from the contractor, a sum equivalent to 0.5% of the price {total cost (including elements of GST, freight/transportation and other variations like PVC/ERV etc.) of stores/incidental**

Works/Services, which the contractor has failed to deliver within the period agreed for delivery in the contract, for each week or part thereof. The total damages shall not exceed 5% of the Price {total cost (including elements of GST, freight/ transportation and other variations like PVC/ERV etc.) of stores/incidental Works/ Services. Any extension given by the buyer for delay attributable to buyer or on account of Force Majeure Clause is to be factored in delivery period.

(a) In case of inordinate delay this maximum deduction shall be 10% of the Price (total cost), as stated above, of stores/ incidental works/services supplied with delay.

(b) Inordinate Delays: Inexcusable delays of more than one-fourth (25%) of the total delivery period shall be treated as inordinate delays.

9. Termination of Contract. Without prejudice to any other remedy for breach of the Contract, such as removal from the list of registered suppliers, the Buyer shall have the right to terminate this Contract in part or in full, by giving Termination Notice to the Seller any time after the default, but prior to the intended termination date, in any of the following cases:-

(a) The Seller fails to honour any part of the Contract including failure to deliver the contracted stores/ render services/ achieve milestones in time as per the Contract for causes not attributable to Force Majeure for more than **45 days**, as related to the delivery period as per the Contract, or for a period greater than 50% of the scheduled delivery period for the overall Contract, whichever is earlier.

(b) The Seller is declared bankrupt or becomes insolvent.

(c) The performance in whole, or in part, or any obligation under this Contract is prevented or delayed by any reason of Force Majeure for a period exceeding **90 days**, provided Force Majeure clause is included in the Contract.

(d) The item offered by the Seller repeatedly fails in the inspection and/ or the Seller is not in a position to either rectify the defects or offer items conforming to the contracted quality standards.

(e) The Seller is found to have made any false or fraudulent declaration or statement or utilised the services of any person, party, firm or institution engaged as an agent to get the contract and made payment/ commission to such agents, or the Seller is found to be indulging in corrupt and unethical practices, directly or indirectly, to influence the award of the Contract.

(f) Any special circumstances that are to be recorded to justify the termination of the Contract.

(g) As per decision of the Arbitration Tribunal.

10. Notices. Any notice required or permitted by the Contract shall be written in the English language and may be delivered personally or sent by Fax, e-mail, or registered pre-paid mail/ airmail, addressed to the last known address of the party to whom it is sent.

11. Transfer and Subletting. The Seller has no right to give, bargain, sell, assign or sublet or otherwise dispose of the Contract or any part thereof, as well as to give or to let a third party take benefit or advantage of the present Contract or any part thereof, except with the prior consent of the Buyer in case of merger, amalgamation, consolidation, acquisition, change in control or similar transactions. For granting such consent, Buyer may require the Seller to enter into a Novation Agreement. The Seller may utilise its wholly owned subsidiary in India to provide product support related to the Contract. However, it shall not relieve the Seller of any obligation, duty or liability attributable to the Seller under the present Contract.

12. Patents and other Industrial Property Rights. The prices stated in the present Contract shall be deemed to include all amounts payable for the use of patents, copyrights, registration charges, trademarks and payments for any other industrial property rights. The Seller shall indemnify the Buyer against all claims, including claims from any third party at any time on account of the infringement of any or all such rights, whether such claims arise in respect of manufacture or use. The Seller shall have the sole responsibility to defend/ settle such claim(s). The Seller shall be responsible for completion of the supplies, including spares, tools, technical literature and training aggregates, irrespective of the fact of infringement of any or all these rights.

13. Amendments. No provision of the present Contract shall be changed or modified in any way (including this provision) either in whole or in part, except by an instrument in writing made after the date of this Contract and signed on behalf of both the parties and which expressly states to amend the present Contract.

14. Taxes, Duties and Levies.

(a) If a Bidder is exempted from payment of any duty/ tax up to any value of supplies from them, he should clearly state that no such duty/ tax will be charged by him up to the limit of exemption which he may have. If any concession is available in regard to rate/ quantum of any duty/ tax, it should be brought out clearly. In such cases, relevant certificate/s will be issued by the Buyer later, to enable the Seller to obtain exemptions from taxation authorities.

(b) Bidders should note that in case any refund of any duty/ tax is granted to them by Central/ State authorities in respect of stores supplied under the Contract, they will pass on the credit to the Buyer immediately, along with a certificate that the credit so passed on, relates to the duty/ tax originally paid for the stores supplied under the Contract.

(c) Any upward revision in levies, taxes and duties levied by the Central/ State/ Local governments on final product as a result of any statutory variation taking place within Contract period, shall be allowed reimbursement by the Buyer, to the extent of actual quantum of such duty/ tax paid by the Seller. Similarly, in case of downward revision in any such duty/ tax, the actual quantum of reduction of such duty/ tax shall be reimbursed to the Buyer by the Seller. All such adjustments shall include all reliefs, exemptions, rebates, concessions, etc., if any, obtained by the Seller.

(d) Levies, taxes and duties levied by Central/ State/ Local governments on final product will be paid by the Buyer on actuals, based on relevant documentary evidence. Bidders are required to include the same in the pricing of their product. Taxes and duties on input items/ raw materials, and any variations thereof, will not be paid by the Buyer and they may not be indicated separately in the bids.

(e) Liquidated damages or any other recoveries should not be shown as deductions on the invoice, and GST shall be applicable on the Invoice Amount.

(f) In case of Price Variation or Exchange Rate Variation, or any other variation, GST shall be applicable on the net invoice value after the variation is taken into account.

(g) In case of profiteering by the Seller relating to GST tax, the Procuring Entity shall treat it as a violation of the Code of Integrity in the Contract and take any or all punitive actions thereunder, in addition to recovery and action by the GST authorities under the Act.

(h) **TDS:** As per of IT Act 1961 section 194(C) 1(ii) any person responsible for paying any sum to any contractor for carrying out any work in pursuance of a Contract between the contractor and a specified person shall, at the time of credit of such sum to the account of the contractor or at the time of payment there-of in case or by issue of a cheque or draft or by any other mode, whichever is earlier, deduct an amount to 2% where the payment is being made or credit is being given to a person other than an individual or a Hindu undivided family.

(i) Bidders are to mention the HSN code on the Commercial Bid.

15. Integrity Pact Clause. An "Integrity Pact" would be signed between the Ministry of Defence/ Buyer and the Bidder for purchases exceeding ` 5 crore. This is a binding agreement between the Buyer and the Bidders for specific contracts in which the Buyer promises that it will not accept bribes during the procurement process and the Bidders promise that they will not offer bribes. Under this Pact, the Bidders for specific contracts agree with the Buyer to carry out the procurement in a specified manner. The Bidders are to submit the Integrity Pact along with their bids (Technical/ Commercial, whichever is earlier). The validity of the Integrity Pact shall be from the

date of its signing and extend up to three years or up to 60 days beyond the date of completion of all contractual obligations including warranty to the complete satisfaction of both, the Buyer and the Bidder/ Seller, whichever is later. In case the Bidder is unsuccessful, the Integrity Pact shall expire after six months from the date of signing of the contract. The Format of Integrity Pact will be as per **DPMF 14**. The essential elements of the Pact are as follows:-

(a) A pact (Contract) between the Government of India (Ministry of Defence) (the authority or the "Buyer") and those companies submitting a tender for this specific activity (the "Bidder").

(b) An undertaking by the Buyer that its officials will not demand or accept any bribes, gifts, etc., with appropriate disciplinary or criminal sanctions in case of violation.

(c) A statement by each Bidder that it has not paid, and will not pay, any bribes.

(d) An undertaking by each Bidder to disclose all payments made in connection with the Contract in question, to anybody (including agents and other middlemen as well as family members, etc., of officials). The disclosure would be made either at the time of submission of Bids or upon demand from the Buyer, especially when a suspicion of a violation by that Bidder emerges.

(e) The explicit acceptance by each Bidder that the no-bribery commitment and the disclosure obligation as well as the attendant sanctions remain in force for the winning Bidder until the Contract has been fully executed.

(f) Undertaking on behalf of a Bidding company will be made "in the name and on behalf of the company's Chief Executive Officer".

(g) The following set of sanctions shall be enforced for any violation by a Bidder of its commitments or undertakings:-

(i) Denial or loss of Contracts.

(ii) Forfeiture of any or all forms of security deposits/ bonds/ guarantees, including Performance Bond, submitted by the Bidder either fully or partially, as decided by the Buyer and the Buyer shall not be required to assign any reason therefor.

(iii) (Covered in item above) Liability for damages to the Buyer.

(iv) Provisions of Sanctions for violation of the Integrity Pact shall also be applicable for forfeiture of Performance Bond in case of a decision by the Buyer to forfeit the same without assigning any reasons for imposing sanction for violation of this Pact.

(v) Debarment of the violator by the Buyer for an appropriate period of time.

16. Denial Clause. In case the delay in delivery is attributable to the Seller or a non-Force Majeure event, any statutory increase in, or fresh imposition of any taxes/ duty, including customs duty, leviable in respect of the Stores specified in the said Contract, and/ or upward rise in prices due to the PV clause, and/ or any adverse fluctuation in foreign exchange, are to be borne by the Seller during the extended delivery period, while the Buyer reserves the right to get any benefit of a decrease in price on any aforesaid ground.

PART IV - SPECIAL CONDITIONS OF RFP

The Bidder is required to give confirmation of their acceptance of the Special Conditions of the RFP mentioned below

1. Following clauses be noted: -

(a) All the testing charges are to be borne by the firm, this includes, and tests called for / required to be undertaken at CEMILAC approved / NABL accredited / Govt Approved labs as a part of specification generation / development / Repair / testing as per the approved test schedule, except where, the tests are undertaken on the test bench / aircraft at this Depot.

(b) The following items/parts will be supplied by IAF: -

SI No	Type	Part No	Desc	GIG No	Category & Qty	Remarks
(i)	Technical Publications / Manuals		OH		Available (Only limited details) / Not Available	For reference and on returnable basis
(ii)	Item/ Spare/ Aggt	Not Available			Cat: B/C/D/E Qty:	For study and generation of specifications and on returnable basis

(c) Development / ~~Repair~~ will be deemed to be successful after conduct of all the checks as per Test schedule. Drawings and technical/operating manual of the item are to be handed over to 11 BRD.

(d) Clear breakdown of the Development / ~~Repair~~ cost, Prototype Cost and Cost of future supply (on successful development / Repair) is to be indicated in the commercial bid, failing which quotation shall be treated as invalid. Taxes applicable should also be clearly indicated separately and then added to the total cost.

(e) The cost break up details will be checked and if felt necessary the Depot may resort to examination of your books.

(f) Regret letter is requested in case of inability to develop the item.

(g) Please quote the rates in figures as well as in words. Unit basic price and all Government duties and taxes should be indicated separately. Government duties/taxes etc. should be specified and spelt out clearly giving the current rate as applicable.

(h) Firms are requested to intimate their latest status as a registered MSME, if applicable.

(i) **L1 (lowest bidder) will be determined with reference to:** Development cost + Cost of prototype + ~~Cost of IOQ~~ + other miscellaneous charges, including taxes. Developmental /Repair Order (DO) will be placed on the selected firm for development / Repair of required number of prototypes and IOQ. In addition, during next five years approximately **qty 10**, may be required, which however is not binding on the Buyer and may vary depending upon buyer's requirement/task/modification/up-gradation.

(j) *The cost (excluding taxes) quoted in the commercial bid for future bulk supplies, should be valid upto 5 years, from the date of grant of provisional clearance / local certification. If required the same can be expressed in terms of year-on-year escalation rates.*

2. Return of Samples / Documents / Items / Equipment. Sample, documents, specifications, drawings issued to the Firm/Contractor, should be returned to the Buyer (except those which have undergone destructive testing, as part of specifications generation), as these belong to the Govt. Loss or damage to these samples/documents/item/eqpt shall be recoverable from the Firm/Contractor. After successful development / repair, the following are required to be submitted:-

(a) Design, Drawings, Technical details, inclusive of type test schedule (as applicable).

(b) Jigs/Fixtures/Moulds and other such items/eqpt which have been manufactured/prepared by the Firm, as part of contract execution.

(c) Components/material details with source of purchasing.

(d) Bill of material for material conformity.

(e) The summary of test results including Quality control checks.

(f) Maintenance schedules/ product manual where applicable.

(g) Trouble shooting manual, where applicable.

(h) The Bidder should also submit a declaration that the same quality standards shall be maintained and all relevant documents mentioned in Para 2 (a) to (g) above, shall be furnished with each lot/batch of bulk supplies in future.

(i) Rectifications if any shall be done by the Bidder at his/her own cost. In case of any amendments in specifications, he shall supply the bulk lots per the amendments.

3. **Performance Guarantee.** As IOQ is not envisaged, PBG is not called for ibid proposal. However, Submission of PBG shall be applicable for procurements subsequent to successful development.

4. **Option Clause.** *Not Applicable.*

5. **Repeat Order Clause.** *Not Applicable.*

6. **Tolerance Clause.** *Not Applicable.*

7. **Payment Terms.** It will be mandatory for the Bidders to indicate their bank account numbers and other relevant e-payment details so that payments could be made through ECS/ EFT mechanism instead of payment through cheques, wherever feasible. A copy of the model mandate form prescribed by RBI to be submitted by Bidders for receiving payments through ECS is at **DPMF 17**. Payment will be made as per the following terms, on production of the requisite documents:- **100% payment on delivery and acceptance by the user.**

8. **Advance Payments.** **No advance payment(s) will be made.**

9. **Paying Authority.** The payment of bills will be made on submission of the following documents (as applicable) by the Seller to the Paying Authority along with the bill:

- (a) Ink-signed copy of Contingent bill/ Seller's bill.
- (b) Ink-signed copy of Commercial invoice.
- (c) Copy of EAS, Supply Order/ Contract with UO Number and date of IFA's concurrence, where required.
- (d) CRVs in duplicate.
- (e) Inspection note.
- (f) Claim for statutory and other levies to be supported with requisite documents/ proof of payment such as GST challan, Customs duty clearance certificate, proof of payment for EPF/ ESIC contribution with nominal roll of beneficiaries, etc., as applicable.
- (g) Exemption certificate for taxes/ duties, if applicable.
- (h) Copy of Advance Payment Bank Guarantee (APBG), if any.
- (i) Guarantee/ Warranty certificate, if applicable.

- (j) Copy of Integrity Pact, Performance Bank Guarantee/ Indemnity bond, where applicable.
- (k) DP extension letter with CFA's sanction, UO Number and date of IFA's concurrence, where required under delegation of powers, indicating whether extension is with or without LD.
- (l) Details for electronic payment, viz. Account holder's name, Bank name, Branch name and address, Account type, Account number, IFSC code, MICR code (if these details are not incorporated in Supply Order/ Contract).
- (m) Any other document/ certificate that may be provided for in the Supply Order/ Contract.
- (n) User Acceptance.

10. Fall Clause. The following Fall clause will form part of the Contract placed on successful Bidder:-

(a) The price charged for the stores supplied under the Contract by the Seller shall in no event exceed the lowest prices at which the Seller sells the stores or offers to sell stores of identical description to any persons/ organisation, including the Purchaser or any Department of the Central Government or any Department of a State Government or any statutory Undertaking of the Central or State Government, as the case may be, during the period till performance of all obligations including warranty under the Contract/all Supply Orders placed during the currency of the Rate Contract (as applicable), is completed.

(b) If at any time, during the said period, the Seller reduces the sale price, sells or offers to sell such stores to any person/ organisation, including the Buyer or any Department of the Central Government or any Department of a State Government or any statutory Undertaking of the Central or State Government, as the case may be, at a price lower than the price chargeable under the Contract, the Seller shall forthwith notify such reduction or sale or offer of sale to the Procuring Entity and the price payable under the Contract for the stores, shall stand correspondingly reduced. The above stipulation will, however, not apply to:

- (i) Exports/ Deemed Exports by the Seller.
- (ii) Sale of goods such as drugs, which have expiry dates.

(c) The Seller shall furnish the following certificate to the Paying Authority, along with each bill for payment for supplies made against the Contract/Rate Contract:-

“We certify that there has been no reduction in sale price of the stores of description identical to the stores supplied to the Government under the Contract herein and such stores have not been offered/ sold by me/ us to any person/ organisation, including the Purchaser or any Department of the Central Government or any Department of a State Government or any Statutory Undertaking of the Central or State Government, as the case may be, up to the date of bill/ the date of completion of supplies against the Contract/ all supply orders placed during the currency of the Rate Contract (as applicable), at a price lower than the price charged to the Government under the Contract, except for quantity of stores categories under sub-clauses (i) and (ii) of sub-para (b) above, details of which are given below:-

.....

11. Risk & Expense Clause.

(a) Should the stores or any instalment thereof not be delivered within the time or times specified in the Contract documents, or if defective delivery is made in respect of the stores or any instalment thereof, the Buyer shall, after granting the Seller 45 days to cure the breach, be at liberty, without prejudice to the right to recover Liquidated Damages (LD) as a remedy for breach of Contract, to declare the Contract as terminated, either wholly or to the extent of such default.

(b) Should the stores or any instalment thereof not perform in accordance with the specifications/ parameters provided by the Seller during the check-proof tests to be done in the Buyer’s country, the Buyer shall be at liberty, without prejudice to any other remedies for breach of Contract, to terminate the Contract wholly or to the extent of such default.

(c) In case of a material breach that was not remedied within 45 days, the Buyer shall, having given the right of first refusal to the Seller, be at liberty to purchase, manufacture, or procure from any other source as he thinks fit, other stores of the same or similar description to make good:-

(i) Such default.

(ii) In the event of the Contract being terminated, either wholly or to the extent of such default, the balance of the stores remaining to be delivered thereunder.

(d) Any excess of the purchase price, cost of manufacturer, or value of any stores procured from any other supplier, as the case may be, over the Contract price appropriate to such default or balance, shall be recoverable from the Seller. Such recoveries shall not exceed **10%** of the value of the Contract.

(e) The manner and method of such procurement from other source shall be at the discretion of the Buyer, and it shall not be necessary for the Buyer to notify the Seller of such procurement.

12. Force Majeure Clause.

(a) Neither party shall bear responsibility for the complete or partial non-performance of any of its obligations (except for failure to pay any sum which has become due on account of receipt of goods/ stores under the provisions of the present Contract), if the non-performance results from such Force Majeure circumstances as flood, fire, earthquake and other acts of God as well as war, military operations, blockade, or any other circumstances beyond the control of the parties, that have arisen after the conclusion of the present Contract.

(b) In such circumstances, the time stipulated for the performance of an obligation under the present Contract is extended correspondingly for the period of time of action of these circumstances and their consequences.

(c) The party for which it becomes impossible to meet obligations under this Contract due to Force Majeure conditions, is to notify in written form to the other party of the beginning and cessation of the above circumstances immediately, but in any case not later than **10 days** from the moment of their beginning.

(d) Certificate of a Chamber of Commerce/ Commerce and Industry or other competent authority or organisation of the respective country shall be sufficient proof of commencement and cessation of the above circumstances.

(e) If the impossibility of complete or partial performance of an obligation lasts for more than **06 months**, either party hereto reserves the right to terminate the Contract totally or partially upon giving prior written notice of **30 days** to the other party of the intention to terminate without any liability other than reimbursement on the terms provided in the agreement/ Contract for the goods/ stores received.

13. Buy-Back Offer. *Not Applicable.*

14. Specifications. The following Specifications clause will form part of the Contract placed on the successful Bidder:-

“The Seller guarantees to meet the specifications as per Part II of RFP and to incorporate the modifications to the existing design configuration to meet the specific requirements of the Buyer as per modifications/ requirements recommended after the Maintainability Evaluation Trials. All technical literature and drawings shall be amended as per the modifications by the Seller before supply to the Buyer. The Seller, in consultation with the Buyer, may carry out technical upgradation/ alterations in the design, drawings and specifications due to change in manufacturing procedures, indigenisation or obsolescence. This will, however, not in any way, adversely affect the end specifications of the equipment. Changes in technical details, drawings repair and maintenance techniques, along with necessary tools as a result of upgradation/ alterations will be provided to the Buyer free of cost within **30 days** of affecting such upgradation/ alterations.”

15. OEM Certificate. In case the Bidder is not the OEM, the agreement certificate with the OEM for sourcing the spares shall be mandatory. However, where OEMs do not exist, minor aggregates and spares can be sourced from authorised vendors subject to quality certification. Such quality certification arrangements are to be as per the satisfaction of the Purchaser and his/her Quality Assurance Organisation/ AHSP.

16. Earliest Acceptable Year of Manufacture. Date of manufacture should be within **3 months** prior to date of delivery. Quality/Life certificate will need to be enclosed with the Bill.

17. Buyer Furnished Equipment. The following equipment will be provided by the Buyer at his/her expense to the Seller:- *Not Applicable*

18. Transportation. All the goods/services shall be delivered at 11 BRD / Air Force Station Ojhar, by the successful Bidder, at his/her own expenses.

19. Packing and Marking. The following Packing and Marking clause will form part of the Contract placed on the successful Bidder:-

(a) The stores should be supplied in containers, which are sufficiently strong, and with preservation of the equipment/items, so as to ensure their safety against damage in the conditions of land/air/sea transportation, transshipment, storage and weather hazards during transportation. The packing cases should have metal tags fastened, for ease of identification of the eqpt/item. In case of multiple items being packed in a single container, a packing note, with details of items and their quantities shall also be provided. The prototypes, IOQ and future bulk supply are to be engraved with / marked with / tagged with:

- (i) Part Number
- (ii) Description
- (iii) Order No and Date
- (iv) Date of manufacture & Shelf Life, as applicable.
- (v) Batch/Lot/Year of Manufacture (Month-Year)
- (vi) Firm's Name and Contact Number.

(b) Should any special equipment be returned to the Seller by the Buyer, the latter shall provide normal packing, which protects the equipment and spares/goods from damage or deterioration during transportation by land, air or sea. In this case the Buyer shall finalise the marking with the Seller.

20. Quality. The quality of the stores delivered according to the present Contract, shall correspond to the technical conditions and standards valid for the deliveries of the same stores in the Seller's country or specifications enumerated as per the RFP, and shall also include therein modifications to the stores suggested by the Buyer. Such modifications will be mutually agreed to. The Seller confirms that the stores to be supplied under this Contract shall be new, i.e. not manufactured **before 03 months from delivery date**, and shall incorporate all the latest improvements and modifications thereto, and spares of improved and modified equipment are backward integrated and interchangeable with same equipment supplied by the Seller in the past, if any. The Seller shall supply an interchangeability certificate along with the changed part numbers, wherein it should be mentioned that the item would provide as much life as the original item.

21. Quality Assurance. The Seller would be required to provide all test facilities at his/her premises for acceptance and inspection by the Buyer, if applicable. The details in this regard will be coordinated during the negotiation of the Contract. The item should be of the latest manufacture, conforming to the current production standard, and having 100% defined life at the time of delivery.

22. Inspection Authority. Inspection will be carried out by CQA of 11 BRD AF / RCMA (ND). The mode of inspection will be ~~Departmental Inspection/User Inspection/~~ Joint Inspection/ ~~Self-certification~~ at 11 BRD AF

23. Pre-Dispatch Inspection (PDI). *Not Applicable.*

24. Joint Receipt Inspection (JRI). *Not Applicable.*

25. Franking Clause. The following Franking clause will form part of the Contract placed on the successful Bidder:-

(a) Franking Clause in the case of Acceptance of Goods. "The fact that the goods have been inspected after the delivery period and passed by the Inspecting Officer will not have the effect of keeping the Contract alive. The goods are being passed without prejudice to the rights of the Buyer under the terms and conditions of the Contract."

(b) Franking Clause in the case of Rejection of Goods. "The fact that the goods have been inspected after the delivery period and rejected by the Inspecting Officer will not bind the Buyer in any manner. The goods are being rejected without prejudice to the rights of the Buyer under the terms and conditions of the Contract."

26. Claims. The following Claims clause will form part of the Contract placed on the successful Bidder:-

(a) The claims may be presented either:-

(i) On quantity of the stores, where the quantity does not correspond to the quantity shown in the Packing List/ Insufficiency in packing.

Or

(ii) On quality of the stores, where quality does not correspond to the quality mentioned in the Contract.

(b) The quality claims for defects or deficiencies in quality noticed during the JRI shall be presented within **45 days** of completion of JRI and acceptance of goods. Quality claims for defects or deficiencies in quality noticed during warranty period, shall be presented at the earliest but not later than **45 days** after expiry of the warranty period. Quality claims shall be submitted to the Seller as per DPMF 18.

(c) The quantity claims for deficiency in quantity shall be presented within 45 days of completion of JRI and acceptance of goods. The quantity claim shall be submitted to the Seller as per DPMF 19.

(d) The description and quantity of the stores are to be furnished to the Seller, along with concrete reasons for making the claims. Copies of all the justifying documents shall be enclosed with the presented claim/s. The Seller will settle the claims within 45 days from the date of the receipt of the claim at the Seller's office, subject to acceptance of the claim by the Seller. In case no response is received during this period, the claim will be deemed to have been accepted.

(e) The Seller shall collect the defective or rejected goods from the location nominated by the Buyer and deliver the repaired or replaced goods at the same location under Seller's arrangement.

(f) Claims may also be settled by deduction of cost of deliverables under claim from Bank Guarantees submitted by the Seller or payment of claim amount by the Seller through demand draft drawn on any Indian Public or Private Scheduled Commercial Bank, in favour of the Principal Controller/ Controller of Defence Accounts concerned.

(g) The quality claims will be raised solely by the Buyer and without any certification/ countersignature by the Seller's representative stationed in India.

27. Warranty. The following Warranty will form part of the Contract placed on the successful Bidder:-

(a) The Seller warrants that the goods supplied under the Contract conform to technical specifications prescribed and shall perform according to the said technical specifications.

(b) The Seller warrants for a period of **24 months** from the date of acceptance of stores by JRI or date of installation and commissioning,

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(S Ganguly)
Sqn Ldr
Proj Offr

whichever is later, that the goods/ stores supplied under the Contract and each component used in the manufacture thereof, shall be free from all types of defects/ failures.

(c) If within the period of warranty, the goods are reported by the Buyer to have failed to perform as per the specifications, the Seller shall either replace or rectify the same free of charge, within a maximum period of 45 days of notification of such defect received by the Seller, provided that the goods are used and maintained by the Buyer as per instructions contained in the Operating Manual. Warranty of the equipment would be extended by such duration of down time. Record of the down time would be maintained by the user in the logbook. Spares required for warranty repairs shall be provided free of cost by the Seller. The Seller also undertakes to diagnose, test, adjust, calibrate and repair/ replace the goods/ equipment arising due to accidents by neglect or misuse by the operator or damage due to transportation of the goods during the warranty period, at the cost mutually agreed to between the Buyer and the Seller.

(d) The Seller also warrants that necessary service and repair backup during the warranty period of the equipment shall be provided by the Seller, and he will ensure that the down time is within **5 %** of the warranty period.

(e) The Seller shall associate technical personnel of the Maintenance agency and the Quality Assurance Agency of the Buyer during warranty repair, and shall also provide the details of complete defects, reasons and remedial actions for defects.

(f) If a particular equipment/goods fail frequently and/ or the cumulative down time exceeds **10 %** of the warranty period, the complete equipment shall be replaced free of cost by the Seller within **30 days** of receipt of the notification from the Buyer. Warranty of the replaced equipment would start from the date of acceptance after JRI by the Buyer or date of installation and commissioning, whichever is later.

(g) In case the complete delivery of Engineering Support Package is delayed beyond the period stipulated in the Contract, the Seller undertakes that the warranty period for the goods/ stores shall be extended by that extent.

28. Product Support (Long Term). The following Product Support clause will form part of the Contract placed on the successful Bidder:-

- (a) The Seller agrees to provide Product Support for the stores/ assemblies/ subassemblies, fitment items and consumables, and Special Maintenance Tools (SMT)/ Special Test Equipment (STE) subcontracted from other agencies/ manufacturers by the Seller for a maximum period of **10 years**, after the delivery of **SU-30 MKI WEAPON INTEGRATION TESTER** (*name of equipment*).

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(S Ganguly)
Sqn Ldr
Proj Offr

(b) In the event of any obsolescence during the above-mentioned, period of product support in respect of any component or sub-system, mutual consultation between the Seller and Buyer will be undertaken to arrive at an acceptable solution, including additional cost, if any.

(c) Any improvement/ modification/ upgradation being undertaken by the Seller or their sub-suppliers on the stores/ equipment being purchased under the Contract will be communicated by the Seller to the Buyer and, if required by the Buyer, these will be carried out by the Seller at Buyer's cost.

29. **Annual Maintenance Contract (AMC) Clause.** *Not Applicable.*

30. **Engineering Support Package (ESP) Clause.** *Not Applicable.*

31. **Price Variation (PV) Clause.** *Not Applicable.*

32. **Safeguard of Intellectual Property.** The firms are assured that, till the selection of firm and final approval of item from the selected firm, their processes, design and all other information will be kept confidential and will not be given to any other firm by IAF. However, on successful development / Repair of prototypes, IAF has the full right over the design and to use them in any manner deemed fit by IAF. The design and all the documents / tooling will be IAF property. Placement of bulk order will be at the discretion of IAF. Similarly, firms are to confirm and ensure that the specifications / operating parameter / other information provided by IAF will be confidential and not disseminated to any other party.

33. **Data Protection Clause.** The parties shall not, at any time, during or after the term of this Agreement, divulge, or allow to be divulged, to any person/entity, any confidential information or any data of the parties unless the said information/data comes into the public domain. Notwithstanding anything in this clause, no party shall be precluded from disclosing any information/data to the extent required in compliance with Law.

34. **Jurisdiction of Courts.** The courts of the place from where the acceptance of tender has been issued shall alone have jurisdiction to decide any dispute arising out of or in respect of the Contract.

35. **Limitation of Liability.** Except in cases of criminal negligence or wilful misconduct, the aggregate liability of the contractor to the procuring entity, whether under the contract, in tort or otherwise, shall not exceed the total contract price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment or to any obligation of the contractor to indemnify the procuring entity concerning IPR infringement.

36. Non-Chinese Make Clause. In line with GoI (D& R) Act 1951 covered under SI No. I (iii)(vii) of Annexure 1 of Press Note 1 of 2019 dated 01Jan19, No product offered under this bid may contain electronic items through assembly or integrity with China banned parts.

37. Survival after Termination or Expiry. The following articles shall survive the termination or expiration of this Contract (Articles to be added/deleted as appropriate):-

- (a) Non-Disclosure of Contract Documents.
- (b) Warranty.
- (c) Law.
- (d) Penalty for Use of Undue Influence.
- (e) Patents and Other Industrial Property Rights.
- (f) Product Support.

PART V - EVALUATION CRITERIA & PRICE BID ISSUES

1. **Evaluation Criteria.** Broad guidelines for evaluation of the Bids will be as follows:-

(a) Only those Bids will be evaluated which are found to be fulfilling all the eligibility and qualifying requirements of the RFP, both technically and commercially.

(b) In respect of the Two Bid system, the Technical Bids forwarded by the Bidders will be evaluated by the Buyer with reference to the technical characteristics of the equipment as mentioned in the RFP. The compliance of Technical Bids would be determined on the basis of the parameters specified in the RFP. **The Price Bids of only those Bidders will be opened whose Technical Bids and Prototype supplied, would clear the technical evaluation.** If deemed necessary, the Buyer shall undertake physical assessment of a Firm's capability and capacity as part of technical evaluation. Bidders are deemed to have agreed to this aspect and shall provide necessary assistance to the Buyer's representatives, to undertake on-site assessment of the Firm, on mutually agreed dates.

(c) The L1 (Lowest Bidder) will be determined with reference to the development cost + cost of prototypes + ~~Cost of IOQ~~ + other misc. charges (Including all taxes & duties). The firm asking for lesser MOQ with more discounts will be given preference. The ultimate cost to the buyer would be the deciding factor for ranking of bids.

Note: ~~L1 will be decided separately for each line.~~

(d) **If a firm/bidder quotes NIL charges/consideration, the bid shall be treated as unresponsive and shall not be considered.**

(e) Bidders are required to spell out the rates of GST, in unambiguous terms; otherwise their quoted prices shall be loaded with the quantum of GST which is normally applicable on the item in question for the purpose of comparing their prices with other Bidders.

(f) If there is discrepancy between the unit price and total price (which is obtained by multiplying the unit price by the quantity), the unit price shall prevail and the total price corrected accordingly. If there is an error in a total corresponding to the addition or subtraction of sub-totals, the sub-totals shall prevail and the total shall be corrected. If there is a discrepancy between words and figures, the amount in words shall prevail. ***If a supplier does not accept the correction of the errors, the bid shall be rejected and the bid security may be forfeited.***

(g) The Lowest Acceptable Bid will be considered further for placement of the Contract/ Supply Order after complete clarification(s) and undertaking price negotiations, as decided by the Buyer. The Buyer will have the right to award contracts to different Bidders for being lowest in particular items. The Buyer also reserves the right to undertake Apportionment of Quantity, if the Lowest Bidder is not in a position to supply full quantity within the stipulated time.

2. **Parallel Development Clause**. Not Applicable.

3. **Negotiations with L2 Vendor**. If the bidder, whose bid has been found to be the lowest evaluated bid, withdraws post successful completion of field trials/evaluation, and whose bid has been accepted, fails to sign the procurement contract as may be required, the Procuring Entity on being satisfied that it is not a case of cartelization and the integrity of the procurement process has been maintained, may, offer the next successful bidder an opportunity to match the financial bid/negotiated price of the first successful bidder, and if the offer is accepted, award the contract to the next successful bidder at the financial bid/negotiated price of the first successful bidder, subject to reasonability of the price bid being established by the buyer.

4. **Bid Format**. The Technical Bid and Commercial Bid, and all other certificates/documents are to be duly filled/signed and submitted only as per the formats specified in this TE/RFP. Where ever applicable, additional details can be submitted on separate sheets and attached with respective main document(s). Failure to do so may result in rejection of the bids.

5. Summary of various Documents/Certificates mentioned in this TE/RFP, along with relevant Annexure number, are mentioned below (At Annexures), for ease of reference to the Bidders. The bidders are advised to use this, as a check list, at the time of submission of his/her bids.

.....
(S Ganguly)
Squadron Leader
Production Engineer
Aircraft Servicing Division-30

Annexures: Following annexures, are attached herewith

Annexure	Document Name / Type	Remarks
1	Technical Bid Proforma	Technical Bid (Cover 1)
2	Undertaking & Commitment Certificate	To be submitted along with Cover 1
3	Tender Acceptance Certificate / Letter	To be submitted along with Cover 1
4	Cyber Security / Security of Information Details / Certificate	To be submitted along with Cover 1
5	Bid Security Declaration	To be submitted along with Cover 1
6	Eligibility Declaration Certificate (Start-up)	To be submitted along with Cover 1
7	Indian Vendor Eligibility Declaration Certificate	To be submitted along with Cover 1
8	Undertaking to Comply with Indigenous Content (IC)	To be submitted along with Cover 1
9	Code of Integrity Declaration	To be submitted along with Cover 1
10	Commercial Bid Proforma / BOQ	To be submitted as Cover 2. Not to be combined with Cover 1
11	Work Compliance Certificate	To be submitted at the time of Delivery of Prototype
12	Malicious Code Certificate	
13	Certificate of Meeting the Indigenous Content (IC)	To be submitted at the time of Delivery of Prototype
14	Computation of IC	
15	Brief Technical Specifications	For reference
16	Qualification Test Plan	For reference
	Integrity Pact	As per DPMF-14

Copy to:-

(1) IFA Deolali

(2) HQ MC (C Indg O)

TECHNICAL BID PROFORMA
(Use additional sheets where considered necessary)

The bidders are to submit their clause-by-clause Compliance / Non-compliance / Partial Compliance to all the requirements mentioned below, which shall be used for technical evaluation of the Bids. **These should be duly stamped / signed on each page.**

Item Details: Indigenous Development / Repair of:

Note: Bidders can respond / quote for a Single line Or Multiple lines Or for all Lines. If bidding for select lines, then, only those item details are to be written in the table below, otherwise, it shall be deemed that the Bidder has quoted for all lines.

GIG No	Vocab / Sec Ref	Part No	Description
ML/425	SUM	ASD30-WEAPON INTEGRATION TESTER-M	SU-30 MKI WEAPON INTEGRATION TESTER

1. **General Information, Relating to the Firm/Bidder:**

Name of Firm:	
Postal Address:	
E-mail Address:	
PAN No:	
TIN No:	
GST No:	
MSME/NSIC Certificate, if applicable: (Attach scanned copy)	
Registration of Firm under Companies Act or State/Central Govt (Attach Scanned Copy)	
Particulars of Bank Account	
• Account number	
• Account Type (SB / Current / Cash)	
• Bank Name	
• Branch Name	
• Address	
• Telephone/Mob numbers	
• IFS Code	
• 9 Digit code number of Bank and Branch appearing on MICR cheque issued by Bank	

Seal of the Firm

2. Essential QRs

SI No	Essential QRs	Acceptability Criteria	Compliance by Firm (State Yes / No)	If 'No', give details / extent of deviation / non compliance
(a)	<u>Broad understanding of the present item(s) under development:</u>	Submit the details for all the sub-parameters under this row. <i>Details submitted, should be clear and unambiguous and supported with documentary proof.</i>		
	(i) Broad Design (where applicable) of the item under development.	To be mentioned, in brief, as understood by the Bidder		
	(ii) Process proposed to be used for Design, Development, Fabrication, and for undertaking specified works, etc.	To be mentioned, in brief.		
	(iii) Bill of materials proposed to be used, based on the broad design requirements. Indicate whether MIL grade or Non-MIL grade materials / components will be used.			
	(iv) List the Jigs, Fixtures and special tools, that would be required, relevant to the item under development.			
(b)	Availability of certain amount of manufacturing / fabrication / test facilities, with the Firm (in-house), relevant to the item under development.	List the in-house facilities available.		
(c)	Availability of certain amount of R&D facilities, with the Firm (in-house), relevant to the item under development.	List the in-house facilities available.		
(d)	Availability of in-house Human Resources / Expertise, relevant to the item under development.	List the HR available in-house, along with their experience.		
(e)	Ability to source all Materials/parts/sub-parts required for the item under development.			
(f)	<u>Product Certification.</u>	Firms responding must be ready to undertake below mentioned sub-tasks		

SI No	Essential QRs	Acceptability Criteria	Compliance by Firm (State Yes / No)	If 'No', give details / extent of deviation / non compliance
	(i) Formulation and Approval of QTP, from RCMA / CEMILAC.	Should be capable to undertake this activity.		
	(ii) Based on QTP approved, undertake all qualification testing and obtain final product clearance from Depot / RCMA.	Should be capable to undertake this activity.		
(g)	<u>In case testing is supposed to be done by Bidder:-</u> List the test facilities available with Firm and details of CEMILAC approved/NABL accredited test house/lab planned to be used for the remaining tests, if any.	Details to be listed / attached		
(h)	Adherence to delivery schedule as per Part II of RFP	Should be able to meet		
(i)	Flow chart for project implementation, indicating approximate time schedule for each activity	Submit a broad flowchart, with details sought		
(j)	Experience.	Firms responding should have below mentioned pre-qualifications / experience and must submit documents to support their claims / eligibility.		
	(i) Must possess past experience in design / development / repair / refurbishment, production & certification of aviation stores	Attach details/list of such items successfully undertaken and/or under progress, along with the approvals obtained, if any.		
	(ii) Must have experience in system level hardware & software design for airborne applications (applicable for electronic rotables/spares).	Attach the list/details, if any.		
	(iii) Familiarity with RCMA / CEMILAC certification procedures, as contained in IMTAR / IMAP.			

SI No	Essential QRs	Acceptability Criteria	Compliance by Firm (State Yes / No)	If 'No', give details / extent of deviation / non compliance
(k)	<u>Design Documents.</u> Firm shall provide final design documents, including list of components / sub components used, internal circuitry / drawings / architecture/ICD with schematic/ software codes, etc. (applicable for electronic rotables/spares).	Firms should be willing to comply with this QR		
(l)	<u>Financial capability.</u> Bidders should be financially sound to be able to execute the project, with an average annual turnover of atleast rupees 1 crore in last three FYs.	Submit annual balance sheet and ITR of last three financial years including average turnover.		

3. **Desirable QRs.**

SI No	Desirable QRs	Acceptability Criteria	Compliance by Firm (State Yes / No)	If 'No', give details / extent of deviation / non compliance
(a)	Details of special process planned to be outsourced (if any)	To be listed, if any.		
(b)	Source of material	Indicate the source of materials / sub parts / sub parts from where the firm plans to source them (Indian / Foreign).		
(c)	Minimum Order Quantity (MOQ) as required by IAF for future bulk supplies, post successful development.	Whether the firm agrees to match the MOQ as required by IAF		
(d)	Approximate man-hours anticipated for the project	Mention only approximate man-hours that would be required for the project.		

SI No	Desirable QRs	Acceptability Criteria	Compliance by Firm (State Yes / No)	If 'No', give details / extent of deviation / non compliance
		(No cost details are to be mentioned here)		
(e)	<u>QMS Certification & Registration Details.</u>	Submit details with supporting documents / certificates		
	(i) Details of ISO 9001/AS 9100 / DGAQA / NADCAP / CEMILAC certification or any other relevant certification.			
	(ii) Details of registration status of the firms, with any BRD / Defence PSU / Indian Army / Navy.			
	(iii) Details of registration status of the firm as per Companies Act including MSME / NSIC certification, if any.			

Seal of the Firm

Place:

Date:

(.....)
Authorized signatory of the firm

Name:

Appointment:

FORMAT OF TECHNICAL EVALUATION COMMITTEE (TEC) REPORT
(Only for Information of Bidders)

Note:- TEC shall undertake technical evaluation of the Bids, as per following criteria.

Essential QRs

SI No	Firm / Sample	Essential QRs (Serially Listed/ as per relevant paragraph of RFP)	Acceptable Range	Sample Reading	Within Range (Yes/No)	Technically Acceptable	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)

Submission of Mandatory Documents/Certificates

SI No	Document / Certificate	Received / Not Received / Not Applicable
1	Technical Bid, as per format	
2	Undertaking & Commitment Certificate	
3	Tender Acceptance Certificate / Letter	
4	Cyber Security / Security of Information Details / Certificate	
5	Bid Security Declaration	
6	Eligibility Declaration Certificate (for Start-up)	
7	Indian Vendor Eligibility Declaration Certificate	
8	Undertaking to Comply with Indigenous Content (IC)	
9	Code of Integrity Declaration	

(Signatures of TEC Members, with Rank & Name)

Remarks by CFA

TEC Report is

APPROVED / NOT APPROVED

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(S Ganguly)
Sqn Ldr
Proj Offr

UNDERTAKING/COMMITMENT CERTIFICATE
(To be submitted along with Technical Bid)

Name & Address of the Firm

1. The bulk supply rates for the item shall remain fixed for at least next **05 years**, after the approval of the prototype. The schedule of supply shall be in accordance with the terms and conditions mentioned in the supply order.

2. In case, any major reduction in cost due to change in Bill of Material / extent of usage of COTS/Mil Grade Components or any other reason after the approval, I will incorporate corresponding reduction in the bulk supply rates and inform your office of the same.

3. The following documents, where applicable will be supplied to the IAF by me after successful development: / Repair

- (a) Design details and all drawings inclusive of circuit diagram.
- (b) Components / material details with source of purchasing.
- (c) Exact Bill of material.
- (d) The summary of test results (Life cycle test schedule /QTP/ type test schedule)
- (e) Maintenance schedules / product manual where applicable.
- (f) Trouble shooting manual.

4. I understand that on successful development / Repair of prototypes, IAF has the full right over the design. Placement of Bulk order will be at the discretion of the IAF.

5. All Bulk supply items shall be supplied as per approved technical specifications/drawings. A Conformance certificate, all documents pertaining to material Analysis and procurement / dimensional checks shall be furnished along with each supply.

6. I understand that it will be mandatory and obligatory for my firm to ensure continued supply at least for the next **10 years** once the development / Repair costs are paid. For this purpose, I have indicated an escalation factor in the commercial bid. All queries by IAF shall be duly responded by this firm. Any failure to supply bulk items as per the terms of requirements, this firm will be liable for legal penal action that may even involve full or partial recovery of development / Repair cost.

7. All tools, dies, fixtures developed for fabrication of subject item are the property of the IAF and these shall be solely utilized for fabrication of IAF items.

8. The firm undertakes that the specifications / operating parameter / other information provided by IAF will be kept confidential and not be disseminated to any other party

Seal of the Firm

(.....)
Authorized signatory of the firm

Place:

Name:

Date:

Appointment:

TENDER ACCEPTANCE LETTER

(To be submitted along with Technical Bid)

To

Date:

Air Officer Commanding
Air Force Station, Ojhar
Nashik – 422 221

Sub: Acceptance of Terms & Conditions of Tender.

Tender Reference No: **11BRD/6201/35/ISC/TYBM-215 Dated**

Name of Tender / Work:- **INDIGENOUS DESIGN & DEVELOPMENT OF WEAPON INTEGRATION TESTER FOR Su-30 MKI AIRCRAFT**

Dear Sir,

1. I / We have downloaded / obtained the tender document(s) for the above mentioned 'Tender/Work' from the web site(s) namely: _____ as per your advertisement, given in the above mentioned website(s).
2. I / We hereby certify that I / we have read the entire terms and conditions of the tender documents from Page No. _____ to _____ (including all documents like annexure(s), schedule(s), etc .), which form part of the contract agreement and I / we shall abide hereby by the terms / conditions / clauses contained therein.
3. The corrigendum(s) issued from time to time by your department/ organisation too has also been taken into consideration, while submitting this acceptance letter.
4. I / We hereby unconditionally accept the tender conditions of above mentioned tender document(s) /corrigendum(s) in its totality / entirety.
5. I / We do hereby declare that our Firm has not been blacklisted/ debarred by any Govt. Department/Public sector undertaking.
6. I / We certify that all information furnished by our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then your department/ organisation shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.

(Signature of the Bidder, with
Official Seal)

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(S Ganguly)
Sqn Ldr
Proj Offr

CYBER SECURITY / SECURITY OF INFORMATION DETAILS
(To be submitted along with Technical Bid)

By DPSUs.

1. Details of last third party Cyber Security audit:-
 - (a) Date of Audit.
 - (b) Name of the CERT empaneled agency which conducted the audit.
 - (c) The DPSUs shall provide a compliance certificate to rectification of cyber audit observations, if any.
2. CISO (Cyber Info Security officer):-
 - (a) Name:
 - (b) Contact number:

By Indian Licensed Defense Companies (ILDCs) / and Others.

1. To provide written undertaking on compliance to DDP Security Manual for Licensed Defence Industries-2014 (SMLDI-2014) and subsequent amendments from time to time.
 2. Self-certification on compliance to Internal Security Audit (As per flow diagram- page 14 of DDP Security Manual refers).
 3. Annual Cyber Security audit by CERT empaneled agency
 - (a) Name of the agency.
 - (b) Date of last Cyber Security audit.
 4. CISO (Cyber Info Security officer):-
 - (a) Name:
 - (b) Contact number:
-

Office/Company Seal

Place:
Date:

(Signature)
Of authorised Signatory
Name:
Designation:

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(S Ganguly)
Sqn Ldr
Proj Offr

BID SECURITY DECLARATION FORM
(To be submitted along with Technical Bid)

To

Air Officer Commanding
Air Force Station, Ojhar
Nashik – 422 221

We, the undersigned, declare that:

1. We, M/s..... (Here in referred as bidder) understand that, according to your conditions of **RFP No: 11BRD/6201/35/ISC/TYBM-215 Dated2026** may be supported with Bid Securing Declaration. Therefore, rather than submitting the Earnest Money Deposit clause which is mentioned in Part I of this RFP, we hereby render the declaration that Bidder will automatically be suspended from being eligible for bidding in any contract with the Unique Identification Authority of India (herein referred as Purchaser) for a period of **three years**, starting from bid submission closing date, if bidder is in breach of any or all of the following obligation(s) under bid conditions: -

(a) If Bidder withdraws the proposal or increases the quoted prices after opening of the Proposal and during the period of Bid validity period or its extended period, if any.

(b) In case of successful Bidder, if the Bidder fails to sign the agreement in accordance with the terms and conditions (including timelines for execution of the agreement) of this RFP or fails to furnish the Performance Bank Guarantee in accordance with the terms and conditions (including timelines for furnishing PBG) of this RFP.

(c) During the Bid process, if a Bidder includes in any act as would jeopardize or unnecessarily delay the process of bid evaluation and finalization.

2. Bidder understands that this declaration shall expire if Bidder is not the successful Bidder and on receipt of purchaser's notification of the award to another Bidder or thirty days after the validity of the Bid, whichever is earlier.

Office/Company Seal

Place:
Date:

(Signature)
Of authorised Signatory
Name:
Designation:

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(S Ganguly)
SqN Ldr
Proj Offr

ELIGIBILITY DECLARATION CERTIFICATE: START-UP

(To be submitted along with Technical Bid)

“We, M/s, do hereby solemnly declare that we are a Startup entity as per the definition of the Department of Promotion of Industry and Internal Trade (DPIIT).”

(Enclose copy of registration certificate issued by DPIIT)

Office/Company Seal

Place:
Date:

(Signature)
Of authorised Signatory
Name:
Designation:

ELIGIBILITY DECLARATION CERTIFICATE: INDIAN VENDOR

(To be submitted along with Technical Bid)

For Indigenisation/Development Contracts, when Design/Specifications are made available by IAF:

"We, M/s, do hereby solemnly declare that we are Indian Vendor as per the definition of Indian Vendor given at Para 1.3.16(a), of DPM 2025, Vol-I and as mentioned in RFP at Para 25(a), Part I".

(Or)

For Indigenisation/Development Contracts, when Design/Specifications are not made available by IAF: (Applicable for ibid proposal)

"We, M/s, do hereby solemnly declare that we are Indian Vendor as per the definition of Indian Vendor given at Para 1.3.16(a) and Para 1.3.16(b) of DPM 2025, Vol-I and as mentioned in RFP at Para 25 (a) and (b), Part I".

(Enclose copies of industrial licence/ registration certificate issued by DPIIT/ details of ownership and control, as applicable)

Office/Company Seal

Place:
Date:

(Signature)
Of authorised Signatory
Name:
Designation:

UNDERTAKING TO COMPLY WITH INDIGENOUS CONTENT (IC)
(To be submitted along with Technical Bid)

I/We, (“Name of Firm”), do hereby certify, and confirm that:

(1). IC of atleast% (to be filled up by the Firm) shall be achieved/met by us, in the product(s) planned for Development/Repair under the

RFP No: 11BRD/6201/35/ISC/TYBM-215 Dated2026.

(2). We also undertake to permit the IAF’s Specialists/Representatives and/or IAF’s appointed specialists, to inspect/carry out technical verification at our premises of the applicable documents, such as Design Reports, Drawings, Specifications, Software Documents & Codes, files, etc, as may be reasonably necessary and required to prove the above claim of IC %.

(3). We further understand that, failure on our part to prove the above claimed IC % may make us liable to forfeiture of the EMD submitted and/or debarment for participation in bidding process for a period of next **three years**.

Date:

Signature & seal of the firm with

Place:

details of the signatory

CODE OF INTEGRITY DECLARATION
(To be submitted along with Technical Bid)

Declaration for Adherence to the Code of Integrity

“Certified that, I/We M/s shall abide to the, Code of Integrity for Public Procurement, as laid out in DPM 2025 (Vol-I) at Para 2.1.8 (b) and it’s sub-paras,”.

Office/Company Seal

Place:
Date:

(Signature)
Of authorised Signatory
Name:
Designation:

Proactive Declaration Under Code Of Integrity

“Certified that, I/We M/s shall abide to the following Clauses under Proactive Declarations of Code of Integrity for Public Procurement, and as laid out in DPM 2025 (Vol-I) at Para 2.1.9 and it’s sub-paras”.

(a) I/We shall proactively declare any conflict of interest (pre-existing, or as soon as it arises at any stage) in any procurement process or execution of contract. Failure to do so would amount to violation of this Code of integrity.

(b) I/We declare that there has not been / has been any previous transgressions of code of integrity with any entity in any country during the last three years, or of being debarred by any other procuring entity. Failure to do so would amount to violation of this code of integrity.

Office/Company Seal

Place:
Date:

(Signature)
Of authorised Signatory
Name:
Designation:

COMMERCIAL BID / PRICE BID PROFORMA
(To be submitted as Cover 2)

Bidders are to fill-up all details mentioned below. The bid / documents being submitted, should be duly stamped / signed on each page and submitted.

Firm's Bid/Letter Reference No:Dated:.....

Validity of Commercial Bid Upto: (PI mention as DD/MM/YYYY. Should be valid upto at least 07 months, from date of Bid submission))

Firm Name & address.....

Item Part No: ASD30-WEAPON INTEGRATION TESTER-M **Description:** SU-30 MKI WEAPON INTEGRATION TESTER.

HSN Code: (PI mention)

BREAKDOWN OF DEVELOPMENT COST

1. Prototype Qty Sought by Buyer: **01 Qty**
2. **One-time Development Charges.**
 - (a) Generation of specifications and design development: **Rs**.....
 - (b) Cost of tooling/dies/fixtures and such other one time Investment: **Rs**.....
 - (c) Cost of qualification acceptance / Life cycle Testing Charges: **Rs**.....
 - (d) Taxes @ [as applicable on [Sum of 2(a) to 2(c)] **Rs**.....
 - (e) **Total Development Cost [Sum of 2(a) to 2(d)]:** **Rs**.....

3. **Cost of Prototype, per Unit/Piece**

(a) **Cost of labour(per Unit/Piece)**

	No. Of Men	No. Of Hours	Rate per hr(Rs)	Total(Rs.)
	(a)	(b)	(c)	(d)=(a)x(b)x(c)
Technical Labour				
Non-technical labour				
Total				

(b) **Cost of material(per Unit/Piece)**

Type of Raw Material (attach separate sheets if required)	Source (Indian / Import)	Qty required	Unit Rate (per kg/mtr/each) (Rs.)	Total (Rs.)
Total				

Annx 10 (Contd....)

- (c) Rework / Scrap coverage: **Rs.....**
- (d) Cost of Heat treatment / Plating (if applicable): **Rs.....**
- (e) Overhead expenditure (if any): **Rs.....**
- (f) Profit margin: **Rs.....**
- (g) Any other factors, (please specify): **Rs.....**
- (h) Cost of prototype (one unit/piece): **Rs.....**
[Sum of 3 (a) to 3 (g)]
4. Cost for Total required number of Prototypes as mentioned at Para 1:
[3(h) X Total Number of Prototypes sought] **Rs.....**
5. Taxes@.....[as applicable on SI No. 4]: **Rs.....**
6. **Other Misc Costs**, such as:-

SI No	Category	Base Cost (in INR)	GST/Taxes %, if extra	Total Cost, with Tax (in INR)
(a)	Installation/ Commissioning			
(b)	Training			
(c)	Technical Literature			
(d)	Tools			
(e)	AMC			
(f)	Warranty			
(g)	Any other item			
(h)	Total of all Above			

7. **Total cost of Development / Repair**
[Sum of 2 (e) + 4 + 5 + 6(h)]: **Rs.....**
- (In Words: Rupees
.....)

Seal of the Firm

(.....)
Authorized signatory of the firm

Place:

Name:

Date:

Appointment:

BREAKDOWN OF IOQ / FUTURE COST (DURING BULK SUPPLY)

1. Initial Order Quantity (IOQ) – Qty Nil
2. Detailed Break Down of Costs (per Unit / piece)

(a) Cost of labour(for IOQ & Bulk future supplies)

	No. Of Men	No. of Hours	Rate per hr (Rs)	Total (Rs.)
	(a)	(b)	(c)	(d)=(a)x(b)x(c)
Technical Labour				
Non-technical labour				
Total				

(b) Cost of material(for IOQ & Bulk future supplies)

Type of Raw Material (attach separate sheets if required)	Source (Indian / Import)	Qty required	Unit Rate (per kg/mtr/each) (Rs.)	Total (Rs.)
Total				

- (c) Rework / Scrap coverage: **Rs.....**
- (d) Cost of Heat treatment / Plating (if applicable): **Rs.....**
- (e) Overhead expenditure (if any): **Rs.....**
- (f) Profit margin: **Rs.....**
- (g) Any other factors, (please specify): **Rs.....**
- (h) **IOQ / Future Cost per Piece/Unit:** **Rs.....**
(Sum of 2(a) to 2(g) above)

(Note: For future bulk procurement, Govt. duties/taxes GST would be at the rates as applicable at the time of procurement, over and above the future Cost per Piece/Unit)

3. Minimum Order Quantity (MOQ), (if any) to be placed by IAF during Future Bulk Supply:.....
- (Note:** The MOQ desired by IAF is Qty-01)

Annx 10 (Contd....)

4. **Likely Delivery Period during Future Bulk Supply:** For a MOQ of is(In days/months).
5. **Discounts, if any in Future Bulk Supply / Initial Order Quantity.** Only discount rates are to be given against each MOQ slab. Applicable Taxes at the time of actual supply would be over and above the discount rates quoted below:

MOQ Slabs	Unit Rate (inRs.)	Delivery Period

6. **Validity of Future Cost:** The future cost should be applicable for the next **05** years from the date of Certification.

Any failure of the prototype and/or IOQ, future bulk supplies, IAF is not liable for any payment.

Seal of the Firm

(.....)

Authorised signatory of the firm

Place:

Name:

Date:

Appointment:

INDIGENISATION PROFORMA: PART – IV
(Work compliance Certificate)
To be submitted along with supply of Prototypes & IOQ

Part No:..... **Desc:**.....

Prototype Qty: / **IOQ Qty:**

Development / Repair Order Ref No: **Dated:**

1. ~~Certified that We have used the raw material(s)~~

Supplied to me by.....(Unit)

Or

2. Certified that I have used the raw material(s)

.....
purchased from market and ~~material test report from NABL/Govt Lab of the raw material batch used, is attached herewith~~ A Certificate of Conformance specifying the materials used is attached herewith.

3. Broad Manufacturing Process followed:

.....
.....

4. Details of Heat treatment/Plating/Testing undertaken (as applicable):

.....
.....

5. Details of any other Special Process followed (as applicable):

.....
.....

6. Dimensional Certificate / First Article Inspection Report, is **attached herewith**.

Office/Company Seal

(Signature)
Of authorised Signatory

Place:

Name:

Date:

Designation:

Internal Use:

Date:

(Sign of SPE / PE (ISC))

Note: Part IV, to be modified suitably, as per the item being developed.

MALICIOUS CODE CERTIFICATE
(FOR SOFTWARE RELATED PRODUCTS)

To be submitted along with supply of Prototypes & IQQ

This is to certify that the Hardware and Software being supplied, as part of the contract **_11BRD/6201/35/ISC/TyBM-215 Dated** **2026**, does not contain any embedded malicious code that would activate procedures to any one or more of the following:-

- (a) Inhibit the desired and designed function of the product.
- (b) Cause physical damage and/or inhibit the performance of the equipment in which the product shall be fitted / tested / used.
- (c) Tap information that is resident or transient in the equipment/networks.

I / We understand and agree that the Firm will be considered to be in breach of this contract, in case of any such hardware/software damage and/or Loss of/transfer of information caused due to activation of any malicious code in the embedded software.

Company Seal

Place:

Date:

Signature

Name & Appointment
of Authorised Rep

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(S Ganguly)
Sqn Ldr
Proj Offr

CERTIFICATION OF INDIGENOUS CONTENT (IC)

VENDOR'S CERTIFICATE

(To be submitted along with Prototypes, IOQ & Bulk Supplies)

This is to certify that we, (Name of Vendor) have achieved / ~~are offering~~ a minimum of IC % (Computation Proforma – Annx 15 - to be attached) in the accompanying delivery under contract / equipment being offered for trials/prototype/delivery, as defined in the Defence Procurement Manual and as required under the **Supply Order No: 11BRD/..... Dated2026.**

Signed by:
Responsible Designated Official /
Authorised Signatory

Seal of Vendor
Date:

.....
(Name of the Signatory and Name of Vendor)

AUDITOR'S CERTIFICATE

(for those cases where the contract value is > Rupees 10 crores)

We (legal name of Verification Firm), established in (Full address) represented for signature of this Verification Certificate by (Name and designation of Authorised Representative), hereby certify that:-

The above mentioned Indigenous Content (IC) proforma has been examined and all checks of the supporting documentation and accounting records deemed necessary were carried out in order to obtain reasonable assurance that, in our opinion, based on our Verification, the Indigenous Content percentage % (in numbers and words) reflected in the above mentioned proforma has been achieved by (Name of Vendor) during the manufacture of (Name of Equipment).

Certified by:

Statutory Auditor/ Cost Auditor/
Certified or Licensed Cost Accountant/
Chartered Accountant (as applicable)
(Name /Name of Firm)
Membership Number / Registration Number

Seal of Verification Firm
Date:

**PROFORMA FOR SUBMISSION OF IC COMPUTATION
(To be submitted along with Prototypes, IQQ & Bulk Supplies)**

Name of the Project / Contract Details: 11 BRD/6201/35/ISC/TyBM-215 Dtd2026 Project: Development of Weapon Integration Tester For Su-30 MKI Aircraft						
SI No	Description	(in USD)	(in EURO)	(in GBP)	(Any other foreign currency)	Total (₹) Excluding Customs Duties
A	Import of Goods					
(i)	Basic equipment / materials/ components/sub-assemblies/ assemblies					
(ii)	Manufacturer's Recommended List of Spares (MRLS)					
(iii)	Special Maintenance Tools (SMTs)					
(iv)	Special Test Equipment (STEs)					
(v)	Freight / Transportation & Insurance (if paid by seller)					
(vi)	Others					
	Sub Total (A)					
B	Import of Services					
(i)	Royalty Fee, if any					
(ii)	Licence Fee, if any					
(iii)	Technical know-how fee					
(iv)	Consultation fees					
(v)	Others					
	Sub Total (B)					
C	Foreign Content (FC) = (A + B) =					
Computation of Indigenous Content						
D	Base Exchange Rate (D)					
E	FC in INR $E=(FC \times D)$					
F	Base Contract Price (F)					
G	Indigenous Content $G = (F - E)$					
H	Indigenous Content (%) $= G \times 100 / F$					

Note:

- (i) Base exchange Rate as per RFP/Contract.
- (ii) IC Proforma is to be submitted along with or before the final invoice of the contract. At all prior stages, the vendor shall submit an undertaking of compliance.
- (iii) MoD can exercise its right to conduct verification of IC achieved, with reasonable notice of relevant certifications and costs pertaining to imports for the contract.
- (iv) In case the vendor fails to certify achieving minimum IC, 5% of contract value will be withheld till verification of IC as per contract, and such amounts shall be forfeited upon failure to achieve required IC post verification. PWBG shall also be forfeited upon failure to discharge IC obligations. In addition, any other penalty may also be imposed if minimum IC is not achieved or if a false certificate is furnished by the vendor.

Company Seal

Place:

Date:

Signature

Name & Appointment
of Authorised Rep

BRIEF TECHNICAL DETAILS / DRAWING / STANDARD

**WEAPON INTEGRATION TESTER FOR WEAPON INTEGRITY CHECKS PRIOR
TO LOADING OF LIVE ARMAMENT STORES
ON Su-30 MKI AIRCRAFT**

1. **Details of item(s)**

Part No	Description	GIG No	Major Assembly
ASD30-WEAPON INTEGRATION TESTER-M	SU-30 MKI WEAPON INTEGRATION TESTER	ML/425	Self

2. **Function** To ascertain the serviceability of all three channels of the WCS, this Weapon Integration Tester-M is being designed which will validate the Weapon Firing Circuit before loading of actual stores.

3. **Specifications:** "Weapon Integration Tester" consists of various testers to check serviceability of weapon circuit during ground servicing, which includes-

- (a) Serviceability checks of Energetic Channel for all applicable weapon
- (b) Serviceability checks of Information Channel for all applicable weapon
- (c) Missile Integration check for Air-to-Air missiles
- (d) ACW Check for Air-to-Air missiles & Air-to-Ground missiles
- (e) The testers should work reliably under the following operating conditions:

ENVIRONMENTAL PARAMETERS			
Sl. No.	Parameter		Specification
1.	Operating Temperature	:	-10 ⁰ C to +55 ⁰ C
2.	Operating relative humidity	:	95% @ +35 ⁰ C
3.	Storage Temperature	:	-20 ⁰ C to +70 ⁰ C
4.	Storage relative humidity	:	98% @ +45 ⁰ C
MECHANICAL PARAMETERS			
1.	Dimensions (L x W x H) mm	:	(a) Main Consol: (500 X 400 X 100) mm (b) Master Interface Module: (500 X 500 X 200) mm

	(Dimensions mentioned are approximate but shall not be more than specified values		(c) Universal ZI Plug (Each): (300 X 200 X 200) mm (d) Remote Consol: (350 X 220 X 30) mm (e) Laser jet A4 Printer: Being off-the-shelf item, suitable latest suitable model may be offered.
2.	Weight	:	Not more than 60 Kgs (Excluding looms)

ELECTRICAL PARAMETERS

Sl. No.	Parameter	Specification
1.	Power Supply Voltage	: +27 VDC \pm 3 VDC
2.	Power Supply Current	: 5 Amp _{max}
3.	Input channels for residual voltage indication	: 07
4.	Energetic channel commands to be tested as per cyclogram	: 85 / Station
5.	Information channel interface protocol	: ARINC – 429
6.	RF channel frequency range	: 6 GHz to 18 GHz
7.	Type of Weapons can be simulated for suspension / release	: 10
8.	Type of launchers can be interfaced with tester	: 05
9.	Type of bomb racks can be interfaced with tester	: 03

(S Ganguly)
Sqn Ldr
Proj Offr

Date: Jan 2026

**TEST SCHEDULE FOR INDIGENOUSLY DEVELOPED
SU30 MKI WEAPON INTEGRATION TESTER
FOR WEAPON INTEGRITY CHECKS PRIOR TO LOADING OF
LIVE ARMAMENT STORES ON Su-30 MKI AIRCRAFT**

Prepared by	Vetted by	Recommended by	Approved by
(S Ganguly) Proj Offr 11 BRD AF Feb 26	(Himanshu Moudgil) Wg Cdr SPE ASD-30 11 BRD AF Feb 26	(.....) Gp Capt SPE(ISC) 11 BRD AF Feb 26	(.....) Gp Capt / Wg Cdr CQA / Dy CQA 11 BRD AF Feb 26

QUALIFICATION TEST SCHEDULE OF WEAPON INTEGRATION TESTER

1. **Introduction:** The specifications laid down in this document will form the qualification requirements with respect to design, development and functional aspect of indigenously developed “**SU30 MKI Weapon Integration Tester**”, for full serviceability checks of onboard armament complex of SU-30 MKI aircraft with and without launchers. The document shall be known as Qualification Acceptance Test (QAT). Verification tests for specifications mentioned in this document are to be conducted on specified number of prototypes of subject item for satisfactory conformance prior to issuance of Local Certification by 11 BRD AF.

2. **Scope:** The test schedule is meant for qualification of indigenised “**SU30 MKI Weapon Integration Tester**” for full serviceability checks of onboard armament complex of SU-30MKI aircraft with and without launchers.

3. **Applicable Documents:** The following documents have been referred in preparing this test schedule:
 - 3.1 Maintenance Manual 6XK1.430.020Θ
 - 3.2 MIL-STD-100 : engineering drawing practices
 - 3.3 MIL-STD 490 A : Specifications Practices
 - 3.4 MIL-STD-704 A : Aircraft Electric Power Characteristics
 - 3.5 MIL-STD-810 E/F : Environmental Test Methods and Engineering Guidelines
 - 3.6 MIL-STD-461 E, C : Electromagnetic emission and susceptibility requirements for the control of electromagnetic interface
 - 3.7 MIL-STD-454 : System General Guidelines for electronic equipment
 - 3.8 MIL-STD-882 C : System Safety Program Requirements
 - 3.9 MIL-HDBK-217 F : Reliability Prediction of Electronic equipment
 - 3.10 MIL-STD-973 : Configuration Management
 - 3.11 MIL-STD-45662 A : System Calibration requirements
 - 3.12 IPC-A-600 C : Acceptability of printed boards
 - 3.13 MIL-STD-462 : Test methods for EM emission and susceptibility

4. **Specifications:** “Su30 MKI **Weapon Integration Tester**” consists of various testers to check serviceability of weapon circuit during ground servicing, which includes-
 - 4.1 Serviceability checks of Energetic Channel for all applicable weapon
 - 4.2 Serviceability checks of Information Channel for all applicable weapon
 - 4.3 Missile Integration check for Air-to-Air missiles
 - 4.4 ACW Check for Air-to-Air missiles & Air-to-Ground missiles

4.5 The testers should work reliably under the following operating conditions:

ENVIRONMENTAL PARAMETERS		
Sl. No.	Parameter	Specification
4.5.1	Operating Temperature	: -10 ⁰ C to +55 ⁰ C
4.5.2	Operating relative humidity	: 95% @ +35 ⁰ C
4.5.3	Storage Temperature	: -20 ⁰ C to +70 ⁰ C
4.5.4	Storage relative humidity	: 98% @ +45 ⁰ C
MECHANICAL PARAMETERS		
4.5.5	Dimensions (L x W x H) mm (Dimensions mentioned are approximate but shall not be more than specified values)	: (f) Main Consol: (500 X 400 X 100) mm (g) Master Interface Module: (500 X 500 X 200) mm (h) Universal ZI Plug (Each): (300 X 200 X 200) mm (i) Remote Consol: (350 X 220 X 30) mm (j) Laser jet A4 Printer: Being off-the-shelf item, suitable latest suitable model may be offered.
4.5.6	Weight	: Not more than 60 Kgs (Excluding looms)

ELECTRICAL PARAMETERS		
Sl. No.	Parameter	Specification
4.5.7	Power Supply Voltage	: +27 VDC ± 3 VDC
4.5.8	Power Supply Current	: 5 Amp _{max}
4.5.9	Input channels for residual voltage indication	: 07
4.5.10	Energetic channel commands to be tested as per cyclogram	: 85 / Station
4.5.11	Information channel interface protocol	: ARINC – 429
4.5.12	RF channel frequency range	: 6 GHz to 18 GHz
4.5.13	Type of Weapons can be simulated for suspension / release	: 10
4.5.14	Type of launchers can be interfaced with tester	: 05
4.5.15	Type of bomb racks can be interfaced with tester	: 03

4.6 Manufacturer has to study, analyse and explore the similar OEM testers. He has to manufacture SU30 MKI Weapon Integration Tester meeting MIL grade with latest version of all the software and hardware. The prototype should cover all the functions and requirements of intended tester.

5. Equipment Specification: A document specially drawn up by the manufacturer which lays down the characteristics, operating procedure, performance capabilities and typical faults with their elimination. It should also comprise the specified conditions of operation, storage and transportation of the tester. Manufacturer should provide log card for monitoring the maintenance record

of subject tester.

6. One prototype tester is to be provided by the manufacturer and it is to be subjected to following Qualification Acceptance Tests:-

6.1 Visual Inspection: Check indigenously developed tester for weight, dimensions and absence of any dent, crack, bend etc.

6.2 Dimensional Inspection: The overall dimension of indigenously developed SU30 MKI Weapon Integration Tester is to be checked as per duly approved drawing.

6.3 Environmental Test: Following tests are to be carried on SU30 MKI Weapon Integration Tester as per JSS 55555.

6.3.1 Vibration test: Carry out vibration limit test as per test no.28 Table 4, 28.2 Sln.3 (a) of JSS 55555.

6.3.2 High Temperature Test: Carry out High Temperature Test as per test no 17 of JSS 55555.

6.3.3 Damp Heat Test: Carry out damp heat test as per test no 10 of JSS 55555.

6.3.4 Low Temperature Test: Carry out Low Temperature Test as per test no 20 of JSS 55555.

6.3.5 Tropical Exposure Test: Carry out Tropical Exposure Test as per test no 27 of JSS 55555.

6.3.6 Toppling: Carry out Toppling as per test no.26 of JSS 55555.

6.3.7 Bump: Carry out Bump as per test no. 5 of JSS 55555.

6.3.8 Drop Test: Carry out Bump as per JSS 55555.

6.4 Electrical Tests on cables:

6.4.1 Continuity test: The purpose of this test is to perform continuity test between pins of connectors as mentioned in continuity charts/circuit diagram provided by the firm using digital multimeter. There should be continuity between the mentioned pins.

6.4.1 Inter shorting test: Inter shorting test is to be conducted between pins of the same connectors. There should not be any continuity between the pins of same connector.

6.4.1 Insulation resistance test: Measure insulation resistance between each pin of all the connectors with body of the connector using digital multimeter. The insulation resistance should be more than 20 MΩ.

6.5 Functional check: List of applicable launchers / bomb racks are AKU-170E, APU-470E, AKU-470E, AKU-58, P-72-1D, BD3 Bomb Rack, MBD3 Bomb Rack and BD4 Bomb Rack. Functional check of prototype is to be undertaken as following.

6.5.1 ACW Test for Air-to-Air Missile: Interface the tester along with weapon hard point station Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 & 12 on aircraft simultaneously through Adaptor Beam. Select applicable Air-to-Air missile on each universal ZI plug as per weapon station. Carryout ACW test as per aircraft manual. Test shall be satisfactorily passed for all weapon stations. In case of test fail, tester shall be capable to report the cause of failure in terms of absence of specific command on energetic channel, information channel and Radio channel.

6.5.2 Missile Integration Test for Air-to-Air Missile: Interface the tester along with weapon hard point station Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 & 12 on aircraft simultaneously through Adaptor Beam. Select applicable Air-to-Air missile on each universal ZI plug as per weapon station. Carryout missile integration test as per aircraft manual. Test shall be satisfactorily passed for all weapon stations. In case of test fail, tester shall be capable to report the cause of failure in terms of absence of specific command on energetic channel, information channel and Radio channel.

6.5.3 ACW Test Air-to-Ground Missile: Interface the tester along with weapon hard point station Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9 & 10 on aircraft simultaneously through Adaptor Beam. Select applicable Air-to-Ground missile on each universal ZI plug as per weapon station. Carryout ACW test as per aircraft manual. Test shall be satisfactorily passed for all weapon stations. In case of test fail, tester shall be capable to report the cause of failure in terms of absence of specific command on energetic channel, information channel and Radio channel.

6.5.4 Simulated Weapon Firing without Launcher / Bomb Rack: Interface the tester along with weapon hard point station Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9 & 10 on aircraft simultaneously through Adaptor Beam. After power ON of tester and

aircraft, the remote console in cockpit as well as main console shall start stage wise operating instructions for operator to carry out serviceability checks of onboard armament complex for weapon suspension, release in tactical mode and emergency mode for each type of weapon, which can be installed on SU-30 MKI aircraft. Post completion of simulated weapon firing procedure, tester shall generate test result in pdf format. The test result sheet generated by tester shall include various details as mentioned in Para 6.6 below.

6.5.5 Simulated Weapon Firing with Launcher / Bomb Rack: Interface the tester along with weapon hard point station Nos. **1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 & 12** on aircraft simultaneously through applicable launcher / bomb rack. After power ON of tester and aircraft, the remote console in cockpit as well as main console shall start stage wise operating instructions for operator to carry out serviceability checks of onboard armament complex for weapon suspension, release in tactical mode and emergency mode for each type of weapon, which can be installed on SU-30 MKI aircraft. Post completion of simulated weapon firing procedure, tester shall generate test result in pdf format. The test result sheet generated by tester shall include various details as mentioned in Para 6.6 below.

6.6 Verification of Tester Generated Test Report: The test result sheet generated by the tester for tests mentioned at para **6.5.1 & 6.5.5** shall include various details as follows:

6.6.1 Status of each type of discrete / continuous command signal of energetic channel during entire test procedure.

6.6.2 Status of ARINC-429 digital information channel for all weapon specific ARINC-429 addresses and information data.

6.6.3 Serviceability of Radio communication link between onboard Radar & weapon

6.6.4 Availability / absence of Radio correction signal

6.6.5 Status of Target information generated by onboard OLAS for IR seeking weapon

6.6.6 Status of Target information generated by onboard Radar for RF seeking weapon

6.6.7 Residual voltage (if any) present on each firing command viz. FB-1, FB-2, Emrg K and MIC

6.6.8 Result of firing of weapon in terms of successful / interlock.

6.6.9 Type of weapon firing viz. Combat / Emergency.

6.6.10 Firing each type of discrete / continuous command signal of energetic channel.

6.6.11 Presence of unwanted firing command (if any) during entire test procedure.

7 Rejection Criteria: Item is to be rejected if failed in any of the tests mentioned in Para 6 above.

8 Calibration: The indigenised tester should have calibration certification from NABL agency. Calibration periodicity and tolerances values should be mentioned in the certificate and same is to be ensured by user. Subsequent calibration will be undertaken by MATCAL. In case, tester does not have any part which is to be periodically calibrated, the same is to be submitted by developing agency on their letter head. Also is to be mentioned in operating manual of the tester.

9 Bulk Production Clearance: Bulk Production acceptance tests shall be the responsibility of user unit. Following are to be ensured during bulk supply acceptance:- :-

9.1 PAT: Production acceptance testing shall be undertaken by user unit for 100% orders. Applicable trials including user trials have been carried out as per this test schedule.

9.2 Visual examination as per Para 6.1 of this Test Schedule.

9.3 Dimensional checks as per approved design and additional checks as specified at Para 6.2 of this Test Schedule.

9.4 Functional check is to be carried out as per para 6.5 of this Test Schedule for bulk orders.

9.5 A record of inspection report, acceptance test report/Qualification test report all compiled and maintained.

10 Maintenance of Record. Subsequent maintenance of certificate in respect of actual number of operations and periodical servicing would be the responsibility of respective user unit. Refer **SU30 MKI Weapon Integration Tester** technical description and operating instructions provided by the manufacturer for storage conditions, packing and transportation of the said tester and its sub units.

11 Summary of Tests and Testing Agency.

Sl. No.	Para No. of Test Schedule	Type of Test	Applicable to		Agency Responsible
			Proto	Bulk Order	
11.1	6.1	Visual Inspection	√	√	QAS ,11 BRD AF/ User Unit
11.2	6.2	Dimensional Inspection	√	√	QAS ,11 BRD AF/ User Unit
11.3	6.3	Environmental Test	√	--	QAS ,11 BRD AF/ User Unit
11.4	6.4	Electrical Tests on cables	√	--	QAS ,11 BRD AF/ User Unit
11.5	6.5	Functional check	√	√	QAS ,11 BRD AF/ User Unit
11.6	6.6	Verification of Tester Generated Test Report	√	√	QAS ,11 BRD AF/ User Unit
11.7	8	Calibration	√	√	Initial calibration by OEM
			√	√	Subsequent calibration by MATCAL
11.8	9	Bulk Acceptance test	√	√	User Unit
11.9	10	Maintenance of Records	√	√	Respective User Unit