

**REQUEST FOR PROPOSAL (RFP)**  
**INVITATION OF BIDS FOR DEVELOPMENT OF SOFTWARE & FIRMWARE**  
**MODULES FOR MESSAGING APPLICATION ADDITIONAL FUNCTIONALITY**

**LIMITED TENDER ENQUIRY**

To,

.....  
As per approved list of vendors on LTE basis  
.....

ITW/Software Procurement/SOAR/216

09 Apr 19

**REQUEST FOR PROPOSAL (RFP) NO. 04 DATED 09 Apr 19**

1. Bids in sealed cover (**Techno-Commercial**) are invited for "**Development of Software & Firmware Modules for Messaging Application Additional Functionality**". The Contract will be an agreement between the Customer/ Purchaser and the Bidder/ Supplier for the scope of the work as listed in Part II of this RFP. **Please super scribe the above mentioned Title, RFP number and date of opening of the Bids on the sealed cover to avoid the Bid being declared invalid.**

2. The address and contact numbers for sending bids or seeking clarifications regarding this RFP are given below -

- |     |   |   |  |
|-----|---|---|--|
| (a) | Bids/queries to be addressed to             | : | Director General WESEE,<br>West Block V, RK Puram,<br>New Delhi – 110066 |
| (b) | Postal address for sending the Bids         | : | WESEE, West Block V,<br>RK Puram, New Delhi-66                           |
| (c) | Name/designation of the contact personnel:  |   | Cdr Surendra Sharma  |
| (d) | Telephone numbers of the contact personnel: |   | 011 – 26104815   |
| (e) | Fax number                                  | : | 011– 26101143  |

3. This RFP is divided into five Parts as detailed below and contains 17 pages (23 pages including Appendices A and B).

(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 will form part of the Contract with the successful Bidder.

  
(Surendra Sharma)  
Commander  
Sr. Systems Manager  
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(d) Part IV – Contains Special Conditions applicable to this RFP and which will 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.



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Senior Systems Manager (IT&IW)  
for Director General  
New Delhi-110066

## Part I – General Information

1. **Last date and time for depositing the Bids:** **24 Apr 19 at 1430 hrs.** The sealed Bids should be deposited/reach by the due date and time. The responsibility to ensure this lies with the Bidder.
2. **Manner of depositing the Bids:** Sealed Bids (**Techno-Commercial**) should be either dropped in the Tender Box marked as **WESEE Tender Box** or sent by registered post at the address given above so as to reach by the due date and time. Late tenders will not be considered. No responsibility will be taken for postal delay or non-delivery/non-receipt of Bids documents. Bids sent by FAX or e-mail will not be considered (unless they have been specifically called for by these modes due to urgency).
3. **Time and date for opening of Bids:** **Techno-Commercial** bids will be opened at **1500 Hrs on 24 Apr 19**. 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. The time and date for the PNC would be intimated subsequent to evaluation of the techno-commercial bids.
4. **Location of the Tender Box:** **Tender Box is located at Reception of West Block-V, RK Puram, New Delhi - 110066.** Only those Bids that are found in the tender box will be opened. Bids dropped in the wrong Tender Box will be rendered invalid.
5. **Place of opening of the Bids:** Bids will be opened at **Logistic Office, WESEE, West Block-V, RK Puram, New Delhi – 110066.** The Bidder may depute their representative, duly authorized in writing, to attend the opening of Bids on the due date and time. Rates and important commercial/technical clauses quoted by Bidder will be read out in the presence of the representatives of the Bidder. This event will not be postponed due to non-presence of your representative.
6. **Type of Tender and Bids.** This is a **Limited Tender Enquiry** and no unsolicited bids will be accepted/ entertained by this office in accordance with GFR 2017. This procurement is on **Single Bid** basis where both the technical and commercial bids, along with other information, as sought are to be submitted together in a single sealed cover by the bidder.
7. **Forwarding of Bids:** Bids should be forwarded by the Bidder under his original memo / letter pad *inter alia* furnishing details like TIN number, GSTIN number, Bank address with NEFT Account if applicable, etc and complete postal & e-mail address of their office.
8. **Clarification regarding contents of the RFP:** A prospective bidder who requires clarification regarding the contents of the bidding documents shall notify to the Buyer in writing about the clarifications sought not later than 14 (fourteen) days prior to the date of opening of the Bids. Copies of the query and clarification by the purchaser will be sent to all prospective bidders who have received the bidding documents.
9. **Modification and Withdrawal of Bids:** A bidder may modify or withdraw his bid after submission provided that the written notice of modification or withdrawal is received by the Buyer prior to deadline prescribed for submission of Bid. A withdrawal notice may be sent by fax but it should be followed by a signed confirmation copy to be sent by post and such signed confirmation should reach the purchaser not later than the deadline for submission of bid. No bid shall be modified after the deadline for submission of Bid. No

  
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bid may be withdrawn in the interval between the deadline for submission of Bid and expiration of the period of bid validity specified. Withdrawal of a bid during this period will result in Bidder's forfeiture of bid security.

10. **Clarification regarding contents of the Bids:** During evaluation and comparison of bid, the Buyer may, at its discretion, ask the bidder for clarification of his bid. The request for clarification will be given in writing and no change in prices or substance of the bid will be sought, offered or permitted. No post-bid clarification on the initiative of the bidder will be entertained.

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


12. **Unwillingness to quote:** Bidder unwilling to quote should ensure that intimation to this effect reaches WESEE before the due date and time of opening of the Bid, failing which the defaulting Bidder may be delisted for the given scope of work as mentioned in Part II of this RFP.

13. **Validity of Bids:** The Bids should remain valid till **120** days from the last date of submission of the Bids and the rates quoted therein shall be valid for the entire contract period.

14. **Earnest Money Deposit:** Bidder is required to submit Earnest Money Deposit (EMD) for an amount of Rs. \_\_\_\_\_ /- along with bid. The EMD may be submitted in the form of an Account Payee Demand Draft, Fixed Deposit Receipt, Banker's cheque or Bank Guarantee from any public sector banks or private sector bank authorized to conduct government business as per Form DPM-16 (Available in MoD website and can be provided on request). EMD is to be valid for a period of forty-five days beyond the final bid validity period. EMD of the unsuccessful bidder will be returned to them at the earliest after expiry of the final bid validity and latest on or before the 30<sup>th</sup> day after the award of the contract. The Bid Security of the successful bidder would be returned, without any interest whatsoever, after the receipt of Performance Security from them as called for in the contract. However, EMD is not required to be submitted by Bidder who is registered with the Central Purchase Organization (e.g. DGS&D), National Small Scale Industries Corporation (NSIC) or any department of MoD or MoD itself. The EMD will be forfeited if the bidder withdraws or amends, impairs or derogates from the tender in any respect within the validity period of their tender.

15. **Certificate by Vendor.** It is mandatory for the bidder to fill up the compliance matrix at Appendix 'A' to this RFP and ***submit the same along with the Techno-Commercial bid.***

**---END OF PART I---**

  
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## Part II – Essential Details of Items/Services required

1. **Schedule of Requirements**: List of items/ services required is as follows:-

“Development of Software & Firmware Modules for Messaging Application Additional Functionality”

<u>Sl.</u>	<u>Description</u>	<u>Qty (Nos.)</u>
(a)	Development of <b><u>Software modules</u></b> to implement Senior Officers Annotation & Remarks (SOAR) functionality in Messaging Application on a Multi-Node System with Server, Web Application and Desktop Application	01
(b)	Development of <b><u>Firmware modules</u></b> for STM32 ARM CORTEX-M4 Microcontroller (KEIL Microvision ver 5.0 or Atollic TrueStudio ver 9.1 compatible) for Graded Security Overlay of Messaging Application to enable SOAR functionality	01

2. **Technical Details**: The broad technical specifications of the “Development of Software & Firmware Modules for Messaging Application Additional Functionality” are placed at **Appendix B**.

### List of Deliverables

3. The deliverables for “Development of Software & Firmware Modules for Messaging Application Additional Functionality” shall include the following necessary artifacts:-


(a) A CD/DVD containing the Software modules to implement Senior Officers Annotation & Remarks (SOAR) functionality in Messaging Application on a Multi-Node System with Server, Web Application and Desktop Application.

(b) A CD/DVD containing the Firmware modules for STM32 ARM CORTEX-M4 Microcontroller (KEIL Microvision ver 5.0 or Atollic TrueStudio ver 9.1 compatible) for Graded Security Overlay of Messaging Application to enable SOAR functionality.

(c) User Manual/ Technical Description (soft copy) on the above CD/DVD.

### Delivery Period

4. Delivery period for supply of “Development of Software & Firmware Modules for Messaging Application Additional Functionality” would be **08 Weeks** from the date of signing of Supply Order. The Testing and Validation of developed modules will be undertaken at WESEE. Please note that Supply Order can be cancelled unilaterally by the Buyer in case items are not received within the contracted delivery period. Extension of contracted delivery period will be at the sole discretion of the Buyer, with applicability of LD clause.

  
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## Consignee Details

5. The consignee details for the project is as follows:-

The Director General  
Weapons & Electronics Systems Engineering Establishment (WESEE)  
West Block –V, Wing – 1,  
RK Puram, New Delhi - 110066

---END OF PART II---

  
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### Part III – Standard Conditions of RFP

The Bidder is required to give confirmation of their acceptance of the Standard Conditions of the Request for Proposal mentioned below which will automatically be considered as part of the Contract concluded with the successful Bidder (i.e. Seller in the Contract) as selected by the Buyer. Failure to do so may result in rejection of the Bid submitted by the Bidder.

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 signatures of both the parties on the contract (Effective Date) 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 construction or performance, which cannot be settled amicably, may be resolved through arbitration. In case of arbitration with the firm and this establishment, the final decision would be of Director General WESEE, New Delhi.
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 Contracts or for bearing 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 for 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 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 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 nominee to the effect that a breach of the undertaking had 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 manufacturer 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 Govt. of India or

  
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any of its functionaries, whether officially or unofficially, to the award of 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 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 LIBR 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 thereof to any third party. Also, the seller shall bind each staff member associated with the implementation of the contract to confidentiality in respect of work carried out and other information regarding WESEE that they may acquire during their tenure of conduct of their work.

8. **Liquidated Damages.** In the event of the Seller's failure to submit the Bonds, Guarantees and Documents, supply the stores/goods and conduct trials, installation of equipment, training etc. as specified in the contract, the Buyer may, at his discretion, withhold any payment until the completion of the contract. The BUYER may also deduct from the SELLER as agreed, liquidated damages to the sum of 0.5% of the contract price of the delayed/undelivered stores/services mentioned above for every week of delay or part of a week, subject to the maximum value of the Liquidated Damages being not higher than 10% of the value of delayed stores/services.


9. **Termination of Contract.** The Buyer shall have the right to terminate this Contract in part or in full in any of the following cases:-

(a) The delivery of the material/services is delayed for causes not attributable to Force Majeure for more than 01 month after the scheduled date of delivery/completion.

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

(c) The delivery of material/services is delayed due to causes of Force Majeure by more than 01month provided Force Majeure clause is included in contract.

(d) The Buyer has noticed that the Seller has utilized the services of any Indian/Foreign agent in getting this contract and paid any commission to such

  
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individual/company etc.

(e) 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 may be sent by FAX or registered pre-paid mail/airmail, addressed to the last known address of the party to whom it is sent.

11. **Transfer and Sub-letting.** 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.

12. **Patents and other Intellectual Property Rights (IPR):** The prices stated in the present contract shall be deemed to include all amounts payable for the use of patents, copyrights, registered charges, trademarks and payments for any other intellectual property rights. The seller shall indemnify the Buyer against all claims from a third party at any time on account of the infringement of any or all the rights mentioned in the previous paragraphs, whether such claims arise in respect of manufacture or use. The Seller shall be responsible for the completion of the supplies including spares, tools, technical literature and training aggregates irrespective of the fact of infringement of the supplies, irrespective if the fact of infringement of any or all the rights mentioned above.

13. **Amendments.** No provision of 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 and Duties.** As applicable, payable at actuals. Copy of HSN code as per GST to be provided.

(i) If Bidder desires to ask for Duty/Tax/GST extra, the same must be specifically stated. In the absence of any such stipulation, it will be presumed that the prices include all such charges and no claim for the same will be entertained.

(ii) If reimbursement of any Duty/Tax/GST is intended as extra over the quoted prices, the Bidder must specifically say so. In the absence of any such stipulation it will be presumed that the prices quoted are firm and final and no claim on account of such duty/tax/GST will be entrained after the opening of tenders.

(iii) If a Bidder chooses to quote a price inclusive of any duty/tax/GST and does not confirm inclusive of such duty/tax/GST so included is firm and final, he should clearly indicate the rate of such duty/tax/GST and quantum of such duty/tax/GST included in the price. Failure to do so may result in ignoring of such offers summarily.

(iv) If a Bidder is exempted from payment of any duty/tax/GST 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/GST, it should be brought out clearly. Stipulations like, the said duty/tax/GST was

  
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presently not applicable but the same will be charged if it becomes leviable later on, will not be accepted unless in such cases it is clearly stated by a Bidder that such duty/tax/GST will not be charged by him even if the same becomes applicable later on. In respect of the Bidders, who fail to comply with this requirement, their quoted prices shall be loaded with the quantum of such duty/tax/GST which is normally applicable on the item in question for the purpose of comparing their prices with other Bidders.

(v) Any change in any duty/tax/GST upward/downward as a result of any statutory variation in excise taking place within contract terms shall be allowed to the extent of actual quantum of such duty/tax/GST paid by the supplier. Similarly, in case of downward revision in any duty/tax/GST, the actual quantum of reduction of such duty/tax shall be reimbursed to the Buyer by the Seller. All such adjustments shall include all relief's, exemptions, rebates, concession etc. if any obtained by the Seller.

**---END OF PART III---**

  
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## Part IV – Special Conditions of RFP

The Bidder is required to give confirmation of their acceptance of Special Conditions of the RFP mentioned below which will automatically be considered as part of the Contract concluded with the successful Bidder (i.e. Seller in the Contract) as selected by the Buyer. Failure to do so may result in rejection of Bid submitted by the Bidder.

1. **Performance Guarantee.** The Bidder will be required to furnish a Performance Guarantee by way of Bank Guarantee through a public sector bank or a private sector bank authorized to conduct government business (ICICI Bank Ltd., Axis Bank Ltd., or HDFC Bank Ltd.) for a sum equal to 10% of the contract value within 30 days of receipt of the confirmed order. Performance Bank Guarantee should be valid up to 60 days beyond the date of warranty.
2. **Option Clause.** The contract will have an Option Clause, wherein the Buyer can exercise an option to procure an additional 50% of the original contracted quantity in accordance with the same terms & conditions of the present contract. This will be applicable within the currency of contract. The Bidder is to confirm the acceptance of the same for inclusion in the contract. It will be entirely the discretion of the Buyer to exercise this option or not.
3. **Repeat Order Clause.** The contract will have a Repeat Order Clause, wherein the Buyer can order up to 50% quantity of the items under the present contract within six months from the date of supply/successful completion of this contract, the cost, terms & conditions remaining the same. The Bidder is to confirm acceptance of this clause. It will be entirely the discretion of the Buyer to place the Repeat order or not.
4. **Tolerance Clause.** To take care of any change in the requirement during the period starting from issue of RFP till placement of the contract, Buyer reserves the right to 50% plus/minus increase or decrease the quantity of the required goods up to that limit without any change in the terms & conditions and prices quoted by the seller. While awarding the contract, the quantity ordered can be increased or decreased by the Buyer within this tolerance limit.
5. **Payment Terms for Indigenous Sellers:** 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. The payment will be made as per the following terms, on production of the requisite documents:-  
  
***100% payment upon satisfactory performance certification by WESEE post testing of Software, subject to submission of Bank Guarantee for 10% of the Order Value.***
6. **Advance Payments:** No advance payment(s) will be made.
7. **Paying Authority.** The CDA(Navy/ CG), West Block 5, RK Puram, New Delhi-110066. The payment of bills will be made through CDA(Navy/ CG), New Delhi on submission of the following documents 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 / Seller's bill.
  - (c) Copy of Supply Order/Contract, where required under delegation of powers.

- (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 Excise duty challan, Customs duty clearance certificate, etc. as applicable.
- (g) Exemption certificate for Excise duty / Customs duty, if applicable.
- (i) Guarantee / Warranty certificate.
- (j) DP extension letter with CFA's sanction, where required under delegation of powers, indicating whether extension is with or without LD.
- (k) 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).
- (l) Any other document / certificate that may be provided for in the Supply Order / Contract.
- (n) User Acceptance.

8. **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 offer to sell stores of identical description to any persons/ Organization including the purchaser or any department of the Central government or any Department of state government or any statutory undertaking the central or state government as the case may be during the period till performance of all supply Orders placed during the currency of the rate contract is completed.

(b) If at any time, during the said period the Seller reduces the sale price, sells or offer to sell such stores to any person/organization including the Buyer or any Dept., of central Govt. or any Department of the 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 shall forthwith notify such reduction or sale or offer of sale to the Director general of Supplies & Disposals and the price payable under the contract for the stores of such reduction of sale or offer of the sale shall stand correspondingly reduced. The above stipulation will, however, not apply to:--

- (i) Exports by the Seller.
- (ii) Sale of goods as original equipment at price lower than lower than the prices charged for normal replacement.
- (iii) Sale of goods such as drugs which have expiry dates.
- (iv) Sale of goods at lower price on or after the date of completion of sale/ placement of the order of goods by the authority concerned under the existing or previous Rate Contracts as also under any previous contracts entered into with the Central or State Govt. Depts., including their undertakings excluding joint sector companies and/or private parties and bodies.

(c) The Seller shall furnish the following certificate to the Paying Authority along with each bill for payment for supplies made against the 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

  
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person/organization including the purchaser or any department of Central Government or any Department of a state Government or any Statutory Undertaking of the Central or state Government as the case may be upto the date of bill/the date of completion of supplies against all supply orders placed during the currency of the Rate Contract at price lower than the price charged to the government under the contract except for quantity of stores categories under sub-clauses (a), (b) and (c) of sub-para (ii) above details of which are given below -  
.....”

9. **Risk & Expense Clause.**

(a) Should the stores or any installment 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 installment 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 as a remedy for breach of contract, to declare the contract as cancelled either wholly or to the extent of such default.

(b) Should the stores or any installment 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 cancel 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 wholly determined the balance of the stores remaining to be delivered there under.


(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 actual cost of the value of the contract.”

10. **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 under the provisions of the present contract), if the non-performance results from such Force Majeure circumstances as Flood, Fire, Earth Quake and other acts of God as well as war, Military operation, blockade, Acts or Actions of State Authorities or any other circumstances beyond the parties control 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

  
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contract due to Force Majeure conditions, is to notify in written form the other party of the beginning and cessation of the above circumstances immediately, but in any case not later than 10 (Ten) days from the moment of their beginning.

(d) Certificate of a Chamber of Commerce (Commerce and Industry) or other competent authority or organization of the respective country shall be a 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 6 (six) months, either party hereto reserves the right to terminate the contract totally or partially upon giving prior written notice of 30 (thirty) days to the other party of the intention to terminate without any liability other than reimbursement on the terms provided in the agreement for the goods received.

11. **Specification**. The following Specification clause will form part of the contract placed on 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 requirement of the Buyer Services as per modifications/requirements (if any) recommended after the trials. All technical literature and drawings shall be amended as 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, indigenization or obsolescence. This will, however, not in any way, adversely affect the end specifications of the system. Changes in technical details, drawings repair and maintenance techniques alongwith 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.

12. **Quality**. The quality of the stores/services delivered according to the present Contract shall correspond to the technical conditions and standards valid for the deliveries of the same stores/services for in specifications enumerated as per RFP and shall also include therein modification to the stores/services suggested by the Buyer. Such modifications will be mutually agreed to.


13. **Quality Assurance**. Seller would provide the standard Acceptance Test Procedure (ATP). Buyer reserves the right to modify the ATP.

14. **Inspection Authority**: The Inspection will be carried out by WESEE. The mode of Inspection will be Departmental Inspection / User Inspection / Joint Inspection / Self-certification.

15. **Franking clause**. The following Franking clause will form part of the contract placed on bidder:-

(a) **Franking clause in the case of acceptance of goods/services** – “The fact that the goods/services 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 / services 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/services** – “The fact that the goods /services have been inspected after the delivery period and rejected by the Inspecting officer will not bind the Buyer in any manner. The goods/services are being rejected without prejudice to the rights to the Buyer under the terms and

  
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conditions of the contract.”

16. **Warranty:** The following Warranty will form part of the contract placed on the successful Bidder –

Except as otherwise provided in the invitation tender, the Seller hereby declares that the goods, stores, articles sold/supplied to the Buyer under this contract shall be of the best quality and workmanship and new in all respects and shall be strictly in accordance with the specification and particulars contained / mentioned in contract. The Seller hereby guarantees that the said goods/stores/articles would continue to conform to the description and quality aforesaid for a **period of 12 months** from the date of delivery of the said goods stores/articles and that notwithstanding the fact that the Buyer may have inspected and/or approved the said goods/stores/articles, if during the aforesaid period of 36 months the said goods/stores/articles be discovered not to conform to the description and quality aforesaid not giving satisfactory performance or have deteriorated, and the decision of the Buyer in that behalf shall be final and binding on the Seller and the Buyer shall be entitled to call upon the Seller to rectify the goods/stores/articles or such portion thereof as is found to be defective by the Buyer within a reasonable period, or such specified period as may be allowed by the Buyer in his discretion on application made thereof by the Seller, and in such an event, the above period shall apply to the goods/stores/articles rectified from the date of rectification mentioned in warranty thereof, otherwise the Seller shall pay to the Buyer such compensation as may arise by reason of the breach of the warranty therein contained.

17. **Product Support:** The product support clause will form part of the contract placed on the bidder-

(a) The Seller agrees to provide product support in the form of hardware and software defect ratification as and when required by the Buyer for a period of one year after the delivery of the system.

(b) Any improvement/modification/ up-gradation being undertaken by the Seller on the product 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.

**---END OF PART IV---**

  
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## Part V – Evaluation Criteria & Price Bid issues

1. **Evaluation Criteria** - The broad guidelines for evaluation of Bid 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) The Bidders are required to spell out the rates of Customs duty, Excise duty, Taxes, etc. in unambiguous terms; otherwise their offers will be loaded with the maximum rates of duties and taxes for the purpose of comparison of prices. If reimbursement of Customs duty / Excise Duty / Taxes is intended as extra, over the quoted prices, the Bidder must specifically say so. In the absence of any such stipulation it will be presumed that the prices quoted are firm and final and no claim on account of such duties will be entreated after the opening of tenders. If a Bidder chooses to quote a price inclusive of any duty and does not confirm inclusive of such duty so included is firm and final, he should clearly indicate the rate of such duty and quantum of excise duty included in the price. Failure to do so may result in ignoring of such offers summarily. If a Bidder is exempted from payment of Customs duty / Excise Duty / Taxes duty upto any value of supplies from them, they should clearly state that no excise duty will be charged by them up to the limit of exemption which they may have. If any concession is available in regard to rate/quantum of Customs duty / Excise Duty / Taxes, it should be brought out clearly. Stipulations like, excise duty was presently not applicable but the same will be charged if it becomes leviable later on, will not be accepted unless in such cases it is clearly stated by a Bidder that excise duty will not be charged by him even if the same becomes applicable later on. In respect of the Bidders who fail to comply with this requirement, their quoted prices shall be loaded with the quantum of excise duty which is normally applicable on the item in question for the purpose of comparing their prices with other Bidders. The same logic applies to Customs duty and other taxes also.

2. **Price Bid Format**. The Price Bid Format is given below and Bidders are required to fill this up correctly with full details:

(a) Basic cost of the item/items:

S. No.	Description of Item	Unit Price (Rs.)	Qty (Nos.)	Total Price (Rs.)
(I)	Development of <b>Software modules</b> to implement Senior Officers Annotation & Remarks (SOAR) functionality in Messaging Application on a Multi-Node System with Server, Web Application and Desktop Application		01	
(II)	Development of <b>Firmware modules</b> for STM32 ARM CORTEX-M4 Microcontroller (KEIL Microvision ver 5.0 or Atollic TrueStudio ver 9.1 compatible) for Graded Security Overlay of Messaging Application to enable SOAR functionality		01	

  
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Total of Basic Price:

- (b) Is Taxes/GST extra?  
If Yes, then mention the following:  
(i) Total value on which VAT/GST is leviable  
(ii) Rate of VAT/GST  
(iii) Total value of VAT/GST leviable:  
(iv) GSTIN Number:
- (c) Any other Taxes / Duties / Overheads / Other costs:
- (d) Grand Total:

---End of Part V--

  
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**COMPLIANCE MATRIX BY THE VENDOR**

**(It is mandatory to submit this compliance matrix, failing which the Buyer reserves the right to reject the bid submitted)**

<b>Ser. No</b>	<b>Check off list /Clause</b>	<b>Compliance</b>	<b>Yes/No</b>
01	RFP No, Title and Date of opening of bids mentioned at bid envelop		
02	Price Bid is as per format mentioned at Para 2 of Part V of RFP		
03	Para 7 part I of RFP. Documentary proof of GSTIN registration, TIN No. or any other registration by any government organization mandatory for executing the contract should be enclosed.	Self-attested documentary proof attached	
04	Para 14 part I of RFP- EMD for amount of Rs. /- enclosed	Documentary proof in form of BG, FD, DD etc. attached	
05	Acceptance to all AMC specifications Essential Details of Items/Services required as per Part II of RFP.	Please specify variations if any clearly in the bid.	
06	Acceptance of Standard Conditions of RFP mentioned at Part III of RFP	Standard Conditions of RFP as per DPM-09 have been read and understood in all aspects, and acceptable, and there is no objection to including the same in the Contract Agreement.	
07	Acceptance of Special Conditions of RFP mentioned at Part IV of RFP	Special Conditions of RFP as per DPM-09 have been read and understood in all aspects, and acceptable, and there is no objection to including the same in the Contract Agreement.	

**Vendor/ Firm's  
Office Stamp**

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**Signature of Bidder**

**SOFTWARE & FIRMWARE MODULES FOR MESSAGING APPLICATION**  
**ADDITIONAL FUNCTIONALITY**

**Technical Requirements**

Sl.	Feature/ Functional Software Component	Scope/Description of features/functionality/ components
<b>Development of <u>Software modules</u> to implement Senior Officers Annotation &amp; Remarks (SOAR) functionality in Messaging Application on a Multi-Node System with Server, Web Application and Desktop Application</b>		
1	Module architecture design, verification and Integration	<p>Overall software architecture design, monitoring and Integration with following components:-</p> <p>(a) Study of system requirements</p> <p>(b) Study underlying Web application, MS Exchange application, Desktop application, Hardened Linux OS and SSL/TLS network technologies, Linux USB system drivers/ API interface technologies</p> <p>(c) Design Software architecture of system comprising of Desktop SOAR application, MS Exchange mailbox configuration, Web-server based monitoring and configuration system and application Integration in Linux OS.</p> <p>(d) Design database schema, tables and fields with attributes and validation scheme compatible with messaging application</p> <p>(e) Monitoring, testing/verification of development of Software applications and components for Desktop SOAR application, MS Exchange mailbox creation/configuration, Web-server based monitoring and configuration system and application Integration in Linux OS.</p> <p>(f) Co-ordination and issue resolutions during Unit testing, Integration testing and Regression testing.</p>
2	Development of Apache and IIS Web Server module for creation, updation, removal and management of Senior Officers credentials.	<p>(a) Database design and implementation for local and remote storage of Senior Officers credentials in Database.</p> <p>(b) Integration of captcha to prevent brute force attack &amp; session management for Senior Officers module.</p> <p>(c) Design and development of Web Interface module for Senior Officers Credential management.</p> <p>(d) PHP/AJAX based server end scripting for integrating Web server and Database query.</p> <p>(e) JavaScript based web-client logic for field validations and front end activities development.</p>

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Sl.	Feature/ Functional Software Component	Scope/Description of features/functionality/ components
		<p>(f) Development of Cryptographic Hash (SHA2/SHA3) based credential generation, storage, and evaluation.</p> <p>(g) Development of multilevel access control of senior officers credential management i.e. administrator, COMCEN user, end-user/Senior Officer.</p> <p>(h) Installation/setting up of Self Signed X.509 certificate based client-server infrastructure for authentication and encryption using TLS1.2 protocol.</p> <p>(i) Server end reception and handling of Senior Officer credential transfer over encrypted and authenticated channel over TLS 1.2.</p> <p>(j) Installation/configuration and integration of SMTP AUTH services on MS Exchange server for the custom messaging module.</p>
3	Development of C/C++ based front-end application in QT environment with local back-end local DB module for Senior Officer Desktop Console.	<p>(a) Design and implementation of User Interface for Senior Officers module incorporating e-Signal pack and Annotation of remarks functionality.</p> <p>(b) Development of user interface for display and selection of un-remarked received signals in e-Signal Pack section of Senior Officer module.</p> <p>(c) Design, implementation and integration of MySQL based Database schema and tables in local storage for storage, extraction and filtering of senior officer's remarks/annotation data on signal message.</p> <p>(d) Development of module for attaching remarks to the received signals in e-Signal pack and Annotation signal section.</p> <p>(e) Development of module for forwarding signal only to the respective parent COMCEN after adding remark to the existing signal.</p> <p>(f) Incorporation and synchronization of same Date and Timestamp Group (DTG) to the corresponding signal containing multiple remarks.</p> <p>(g) Development of interface for displaying attached remarks for the corresponding signal in outgoing Window.</p>
4	Development of C/C++ based front-end application in QT environment with local DB based back-end Module for Traffic Manager Desktop Console.	<p>(a) Design of User Interface for incorporating summary list view, selection and viewing of received messages without appended remarks and another sub-module for messages with appended remarks.</p> <p>(b) Functionality and User Interface for viewing and forwarding un-remarked message to appropriate Senior Officer from pre-configured selection/drop-down list.</p> <p>(c) Development of sub-module for receiving and viewing of messages sent/forwarded by Senior Officers.</p>

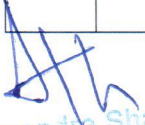
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Sl.	Feature/ Functional Software Component	Scope/Description of features/functionality/ components
		<p>(d) Development of sub-module for functionality of display, selection and re-forwarding of messages containing remarks/ annotation by Senior Officers, using Traffic Manager Desktop Console.</p> <p>(e) Development of sub-module for alert and notifications in the summary list for arrival of new un-remarked messages, new remarked/annotated messages and message delivery failure status notifications.</p> <p>(f) Design, implementation and integration of MySQL based Database schema and tables for storage, extraction and filtering of senior officer's remarks/annotation data on signal message.</p>
5	Development of QT/C/C++ based front-end interface and back-end implementation of administrative sub-module for configuration of Sr. Officer accounts and Remarks section sub-module in Traffic Manager's console	<p>(a) Design and development of User Interface for administrative module to view/list summary of existing account configurations.</p> <p>(b) Design and development of User Interface and implementation to undertake configuration and username assignment /mapping, profile/role creation, assignment and update of existing Senior Officer users in both the Senior Officer Desktop Console and Traffic Manager's Console.</p> <p>(c) Functionality for display of summary of local user roles and profiles/username mappings the Senior Officer Desktop Console and Traffic Manager's Console.</p> <p>(d) Design and implementation for MySQL database tables for recording of configurations data in the local storage with access control based on application administrator's authentication.</p> <p>(e) Functionality for synchronisation of users accounts details by fetching and updates to configuration records between local DB and remote servers.</p> <p>(f) Functionality for local temporary storage of configuration changes if network availability is interrupted and synchronization of pending data records on availability of network/server connectivity.</p>
6	Integration of all the application modules with customised hardened BOSS/ Debian Linux OS.	<p>(a) Integration of application with Role Based Access Control (RBAC) and privilege level separation in kernel of Boss/Linux OS.</p> <p>(b) Whitelisting integration of the developed application modules in GRSecurity patched Linux kernel ver 4.9.</p> <p>(c) Integration of all modules in customised hardened Linux OS with disabling/removal of right -click context menu for explorer.</p> <p>(d) Application modules whitelisting at kernel and configuration levels.</p>

  
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Sl.	Feature/ Functional Software Component	Scope/Description of features/functionality/ components
		(e) Update/upgrade mechanism of all application modules through digital signature authentication. (f) Integration with <b>chroot/ jail</b> environment for containerization of new applications modules.
<b>Development of <u>Firmware modules</u> for STM32 ARM CORTEX-M4 Microcontroller (KEIL Microvision ver 5.0 or Atollic TrueStudio ver 9.1 compatible) for Graded Security Overlay of Messaging Application to enable SOAR functionality</b>		
1	Bootloader firmware functionalities for Senior Officers Module	(a) Custom boot loader creation for STM32F4 series micro-controller for incorporating confidentiality engine for Senior Officer Module (b) Bootloader integrity checksum generation and verification functionality for incorporation of Senior Officers Module (c) Bootloader functionality to identify the Senior Officers Module application
2	Integrity generation and verification for the Senior remarks/annotations appended by Senior Officers Module	(a) Generation of HMAC algorithm based integrity codes for message authentication for Appended remarks/annotations for Senior Officer's module (b) Generation of CRC algorithm based integrity check values from SHA2 code for displaying of message authentication for Appended remarks/annotations for Senior Officer's module (c) Verification of HMAC algorithm based integrity values for message authentication for Appended remarks/annotations for Senior Officer's module (d) Verification of HMAC algorithm based integrity values for message authentication for Appended remarks/annotations for Senior Officer's module. (e) APIs development for remote systems for initiating of HMAC and CRC algorithm based value generation and verification.
3	Integration interface with confidentiality input and output sub-modules in the firmware for Senior remarks/ annotations appended by Senior Officers Module	(a) Development of integration interface for Remarks/annotation data for input and output to confidentiality implementation module in the firmware. (b) Sub-module for validation checks functionality of input data type and size by the integration interface prior call to confidentiality module. (c) APIs development for functionalities of remarks/annotation data integration interface with confidentiality implementation module in firmware.
4	Authentication mechanism of application and devices for implementation for remarks/ annotations	(a) Remote Application and device identification and authentication using custom USB protocol through customized packet header handshake protocol. (b) APIs development for application and the device identification and authentication using custom USB protocol through customized packet header handshake

Sl.	Feature/ Functional Software Component	Scope/Description of features/functionality/ components
	appended by Senior Officers Module	<p>protocol.</p> <p>(c) Functionality for runtime calculation and display of identification/authentication status to application through custom API. Signature for main platform firmware sector of microcontroller.</p>
5	Firmware segregation in different flash sectors for code and data of different sensitivities and firmware Integrity assurance mechanism	<p>(a) Firmware development in multi-sector mode of STM32F4 series micro-controller for platform integrity, algorithm integrity and key integrity checking on boot-up/power-on.</p> <p>(b) Functionality for generation of SHA-256 Cryptographic Hash algorithm based signature for main platform firmware sector of microcontroller</p> <p>(c) Functionality for runtime calculation and verification of SHA-256 Cryptographic Hash algorithm based signature for main platform firmware sector of microcontroller.</p> <p>(d) Functionality for generation of SHA-256 Cryptographic Hash algorithm based signature for critical algorithm sector of the microcontroller</p> <p>(e) Functionality for runtime calculation and verification of SHA-256 Cryptographic Hash algorithm based signature for critical algorithm sector of microcontroller</p>

  
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