

SUB: "DEVELOPMENT OF APPLICATION FOR IMMEDIATE AIR SUPPORT DEMAND"

| Appts  | Contents  | Remarks   |
|--|---|---|
|  | <u>1</u>  |   |
| <u>CO,</u><br><u>14 COSR</u>                 | <p>1. A reqmt was proj by HQ 14 Corps GS (Ops) for devp of an appl that can facilitate imdt air sp dmd procedure based on which an appl has been devp by the unit. The appl will enable shortening of timing, facilitate automated decision making and ensure timely exe of imdt air sp dmds using a web based appl tool. The aim is to analyse possibility of automation of imdt air sp dmd by incorporating software based solution. To this effect, the web based appl has fwg salient features:-</p> <p>(a) Facilitate reduced timelines for placing imdt air sp dmd.</p> <p>(b) Live status of dmd.</p> <p>(c) Swift and automated decision making and timely exe of imdt air sp dmd.</p> <p>3. The appl is reqd to be hosted on ADN and needs to be whitelisted post AoN/IPA by DGIS, followed by vetting from ACG (Cyber Security), AHCC (layout and architecture) and DGMI (Content). Fwg docus are encl:-</p> <p>(a) Checklist.</p> <p>(b) Statement of Case.</p> <p>(c) Recommendation of CO.</p> <p>(d) BoM.</p> <p>4. Case file fwd for processing of IPA by DGIS pl.</p> | <p>Flag 1A</p> <p>Flag 1B</p> <p>Flag 1C</p> <p>Flag 1D</p> |
|  | <u>2</u>  |   |
| <u>CSO,</u><br><u>HQ 14</u><br><u>Corps</u>  | <p>1. Ref note ante.</p> <p>2. For your perusal pl.</p>   |   |
|  | <u>3</u>  |   |
| <u>BGS (IS)</u><br><u>Through 61 GS (IS)</u> | <p>1. Ref note ante.</p> <p>2. H/w and IT Infra reqd for the Appl will be procured thru IT H/w and. Same will be incl in I-1 2025-26.</p>   |   |

(Vishal Sharma)  
Col  
Commanding Officer

19 Jan 2025

*[Signature]*  
22/01

# NOTING SHEET

File No: 805/S. /IT PPP/AIR SP/ADDENDUM-II/24-25

Sheet No: Two

## SUB: "DEVELOPMENT OF APPLICATION FOR IMMEDIATE AIR SUPPORT DEMAND"

| Appts | Contents   | Remarks |
|-------|--|---------|
|       | <p>3. Whitelisting of Apple may be processed by the unit/user online on DGIS site.</p> <p>4. PU for personal pl.</p> <p style="text-align: right;">Pecade<br/>23/01</p> <p style="text-align: center;">4</p> <p style="text-align: center;">5</p> <p><del>BGSES</del> / 25/1</p> <p>CSG / 28/1</p> |         |



### CHECKLIST: PRE APVL STG

| Ser No | Mandatory Details   | Remarks   |                  |         |   |          |      |     |   |          |       |     |   |       |      |     |   |                  |     |             |   |        |
|--------|---|---|------------------|---------|---|----------|------|-----|---|----------|-------|-----|---|-------|------|-----|---|------------------|-----|-------------|---|--------|
| 1.     | Name of proj (incl ver).  | Application for Imdt Air Sp Demand Procedure  |                  |         |   |          |      |     |   |          |       |     |   |       |      |     |   |                  |     |             |   |        |
| 2.     | Name of sponsor.  | 14 Corps Op Sig Regt  |                  |         |   |          |      |     |   |          |       |     |   |       |      |     |   |                  |     |             |   |        |
| 3.     | Type of Sw (Bespoke/ COTS/ Customized).                         | Web Appl.   |                  |         |   |          |      |     |   |          |       |     |   |       |      |     |   |                  |     |             |   |        |
| 4.     | Brief justification/ endorsement on reqmt for devp of Sw appl.  | A reqmt was projected by HQ 14 Corps GS (Ops) for devp of an appl that can facilitate Imdt Air Sp Demand procedure based on which a an appl has been devp by the unit. The appl will enable shortening of timings, facilitate automated decision making and ensure timely execution of Imdt Air Sp Demands using a web based appl tool.   |                  |         |   |          |      |     |   |          |       |     |   |       |      |     |   |                  |     |             |   |        |
| 5.     | Aim & Scope purpose incl utility, beneficiaries and tgt users). | The aim is to analyse possibility of automation of Imdt Air Sp Demand by incorporating a software based solution. The appl devp will facilitate reduced timelines for placing imdt Air Sp Demand, swift decision making and timely execution of Imdt Air Sp msns.   |                  |         |   |          |      |     |   |          |       |     |   |       |      |     |   |                  |     |             |   |        |
| 6.     | To be hosted on internet/ ADN with brief justification.         | Appl to be hosted on ADN, for avbl to all stake holders in 14 Corps Z till all down fmns for placing imdt Air Sp demand.  |                  |         |   |          |      |     |   |          |       |     |   |       |      |     |   |                  |     |             |   |        |
| 7.     | Being devp in house or through IT funds.                        | In house.   |                  |         |   |          |      |     |   |          |       |     |   |       |      |     |   |                  |     |             |   |        |
| 8.     | Usability of proposed appls by other arms/ services/ org/ est.  | The appl is intended to be used by all fmns/Arms/Services/Org & Est under 14 Corps .  |                  |         |   |          |      |     |   |          |       |     |   |       |      |     |   |                  |     |             |   |        |
| 9.     | Hw and IT infrastructure reqd.                                  | <p>The software is being devp using open source appls viz MySQL and PHP. Fwg IT HW infra is reqd at the NDC/RDC (Post IPA by DG IS) :-</p> <p>(a) Server Grade machine (Qty 02 for DR/backup) :-</p> <table><tr><td>(i)</td><td>Storage</td><td>-</td><td>1 TB SDD</td></tr><tr><td>(ii)</td><td>CPU</td><td>-</td><td>16 Cores</td></tr><tr><td>(iii)</td><td>RAM</td><td>-</td><td>64 GB</td></tr><tr><td>(iv)</td><td>NIC</td><td>-</td><td>02 x 1 Gig Ports</td></tr><tr><td>(v)</td><td>RAID config</td><td>-</td><td>RAID-5</td></tr></table> | (i)              | Storage | - | 1 TB SDD | (ii) | CPU | - | 16 Cores | (iii) | RAM | - | 64 GB | (iv) | NIC | - | 02 x 1 Gig Ports | (v) | RAID config | - | RAID-5 |
| (i)    | Storage   | -   | 1 TB SDD         |         |   |          |      |     |   |          |       |     |   |       |      |     |   |                  |     |             |   |        |
| (ii)   | CPU   | -   | 16 Cores         |         |   |          |      |     |   |          |       |     |   |       |      |     |   |                  |     |             |   |        |
| (iii)  | RAM   | -   | 64 GB            |         |   |          |      |     |   |          |       |     |   |       |      |     |   |                  |     |             |   |        |
| (iv)   | NIC   | -   | 02 x 1 Gig Ports |         |   |          |      |     |   |          |       |     |   |       |      |     |   |                  |     |             |   |        |
| (v)    | RAID config   | -   | RAID-5           |         |   |          |      |     |   |          |       |     |   |       |      |     |   |                  |     |             |   |        |



|  |  |   |
|--|--|---|
| 10.  | Brief details of content of the proposed Sw appl.  | MySQL based database containing details Air sp dmd form.  |
| 11.  | Endorsement by Head of Br/ Svc/ Fmn.   | Yes   |
| 12.  | Details of user base.  | As per para 7 above.  |
| <b><u>Addl Details (Optional in Pre Apvl Stg : Mandatory in Post Apvl Stg)</u></b> |  |   |
| 13.  | Envisaged cost of entire proj incl license fees and maint.   | Nil.  |
| 14.  | Projected dt of completion incl maj timelines  | Appl devp by Aug 2025.  |
| 15.  | Brief details of Sw platform and tech stack proposed for devp of appl incl op sys dependencies (if any). | The web appl is based on :-<br>(a) HTML, CSS, JS & PHP.<br>(b) MySQL database.<br>(c) XAMPP to run the server.  |
| 16.  | Brief details of proposed nw and bandwidth reqmts.   | The web appl will utilize common user bandwidth.  |
| 17.  | Brief details of OS & Sys software reqmts.   | (a) Win Server 2022.<br>(b) My SQL.   |
| 18.  | Brief details of proposed data security measures incl backup of data.                                    | (a) Encryption of credentials is done. Data tfr will be encrypted using SSL (TLS Version). Login using 2FA.<br>(b) Weekly data backup is proposed.<br>(c) Logging of every activity will be impl. |
| 19.  | Brief Details of proposed Database Engine to be used in the appl.  | MySQL.  |
| 20.  | Detls of Sw architecture and COTS Sw proposed to be utilised.  | No COTS Sw is being utilised.   |
| 21.  | Detls of proposed architecture-Centralised/ Federated/ Hybrid.   | Centralised architecture.   |
| 22.  | Brief details of proposed utilisation of public key infra (PKI) and iden an access Mgt (IAM).            | Integr with AHCC IAM (SSO) will be done.  |
| 23.  | Tech dependencies (if any).  | NA  |
| 24.  | Database reqmts.   | NA  |
| 25.  | Enhancement/ upgradation (incl patch mgt/ Sw updt procedure and mechanism).                              | NA  |
| 26.  | Details of licensing (if any).   | NA  |



**STATEMENT OF CASE FOR "DEVELOPMENT OF APPL FOR IMMEDIATE AIR SUPPORT DEMAND" FOR FY 2024-25**

|    |  |  |   |
|----|--|--|---|
| 1. | <b>Unit/ Directorate/ Office initiating the SoC</b>  |  | 14 Corps Op Sig Regt  |
| 2. | <b>Name of the item(s)/services being procured</b><br>Category [Ex-ordnance, Medical, IT, Engineering, MT, Electrical, Electronic, Clothing, Aviation, General, FOL, Machinery, Spares, communications, Navigational, Provisions, Weapons, Armament, Ammunition, Repairs, Services and other categories (to be specified)]<br><br>(Nomenclature of items with details like part numbers, etc to be shown in Annexure I to the Statement of Case) |  | <b>Development of Appl for Imdt Air Sp Demand</b><br><br>BoM attached at Appx 'A'.  |
| 3. | <b><u>Justification for Procurement.</u></b>   |  |   |
|    | (a)  | <b><u>Authority, if any, under which the proposal is being initiated</u></b> – Govt Rules/ Orders, Service specific instructions, Subsidiary instructions, etc.to be quoted. | Nil   |
|    | (b)  | <b>If it is a scaled item</b>  | Non-Scaled  |
|    |  | <b>If it is a non-scaled item, the following information to be provided :-</b>   |   |
|    | (i)  | Which item was serving the purpose till the date?  | Manual forms.   |
|    | (ii)   | How the present proposal will serve the purpose?   | A reqmt was projected by HQ 14 Corps GS (Ops) for devp of an appl that can facilitate Imdt Air Sp Demand procedure based on which a an appl has been devp by the unit. The appl will enable shortening of timings, facilitate automated decision making and ensure timely execution of Imdt Air Sp Demands using a web based appl tool. |
|    | (iii)  | Whether scaling action has been initiated? If yes, reference number to be given. If not, reasons for not doing so to be given  | NA  |

|  |                                       |   |   |
|--|---------------------------------------|---|---|
| (d)  | Broad purpose of items being procured | A reqmt was projected by HQ 14 Corps GS (Ops) for devp of an appl that can facilitate lmdt Air Sp Demand procedure based on which a an appl has been devp by the unit. The appl will enable shortening of timings, facilitate automated decision making and ensure timely execution of lmdt Air Sp Demands using a web based appl tool. |   |
| (e) <b><u>Detailed Justification from user</u></b>                                   |                                       |   |   |
| (i) <b><u>Category of proposal :-</u></b>  |                                       |   |   |
|  | (aa)                                  | Fresh purchase  | No  |
|  | (ab)                                  | Up gradation  | No  |
|  | (ac)                                  | Replacement   | No  |
|  | (ad)                                  | Maintenance   | No  |
|  | (ae)                                  | Repair  | No  |
|  | (af)                                  | Any other (to be specified)   | This is an in house devp and web based software appl. |
| <b><u>If it is a fresh purchase, the following information to be provided :-</u></b> |                                       |   |   |
| (ii)   |                                       |   |   |
|  | (aa)                                  | How was the purpose being served till date?   | NA  |
|  | (ab)                                  | Why it can't be served with up-gradation of the existing items?   | NA  |
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|---|--|--|--|--|
|   |  | (ac)   | Possibility of buy-back or otherwise, along with reasons | NA   |
| 4 | <b><u>Quantity :-</u></b>  |  |  |  |
|   | (a)  | Basis for working out the quantity against each item – (formula, methodology, etc.)                                    |  | NA (Since the appl is being devp in house using open source software)  |
|   | (b)  | Details like authorized holdings, existing holdings, Dues-in, Dues-out, etc.   |  | NA   |
|   | (c)  | Calculation sheets / PR documents to be enclosed with the SOC  |  | NA (Since the appl is being devp in house using open source software)  |
|   | (d)  | Proposed distribution of items being bought with justification   |  | NA (Since the appl is being devp in house using open source software. The appl will be hosted on ADN for selected users) |
| 5 | Estimated cost of proposal – various elements of cost, such as the basic cost, taxes, transportation cost, training cost, AMC, etc., should be shown separately and the grand total should also be indicated) Basis for working out the estimated cost of proposal to be indicated as follows :- |  |  | Nil (As this is an in house web based software apln)   |
|   | (a)  | Last Purchase Price – Year, Escalation factor, source, quantity to be mentioned  |  | NA   |
|   | (b)  | Budgetary quotes – Source, period, etc to be mentioned along with copy of budgetary quotes                             |  | NA   |
|   | (c)  | Market Intelligence – Source, period, etc to be mentioned along with relevant enclosures                               |  | NA   |
|   | (d)  | Rates obtained from other Organizations – Source, period, quantity, etc to be mentioned along with relevant enclosures |  | -  |
|   | (e)  | Professional Officers' Evaluation – Detailed reasoning and inputs used to be enclosed                                  |  | -  |
|   | (f)  | Any other method adopted (to be specified and explained, along with the reasons)                                       |  | -  |

b Details of the last purchase :-

|     |  |    |
|-----|--|----|
| (a) | The Quantity and dates on which similar items were procured in last one year       | No |
| (b) | If it is a recurring item, the total period for which the items are being procured | No |
| (c) | The mode of tendering in respect of last purchase                                  | No |
| (d) | The source of last purchase  | No |
| (e) | Any other relevant information   | -  |

7. Availability of funds :-

|     |   |    |
|-----|---|----|
| (a) | Is it included in the PPP (if applicable)?  | NA |
| (b) | If yes, relevant serial number of PPP to be quoted  | NA |
| (c) | Major Head, Minor Head, Sub Head and Detailed Head under which expenditure in respect of the instant proposal is to be booked | NA |
| (d) | Code Head, as mentioned in Classification Hand Book   | NA |
| (e) | Fund availability certificate   | NA |
| (f) | Name of the paying agency   | NA |

8. Competent Financial Authority :-

|     |                   |    |
|-----|-------------------|----|
| (a) | Sch of DFPDS-2021 | NA |
| (b) | Name of CFA       | NA |

9. Mode of Tendering :-

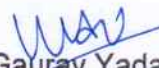
|     |   |    |
|-----|---|----|
| (a) | Open tendering – Mention the websites and newspapers in which the advertisement is proposed to be published. (Draft advertisement to be enclosed) | NA |
| (b) | Limited Tendering – Mention the reasons for LTE. (The list of vendors for LTE and reasons for including them to be enclosed)                      | NA |



|     |                            |  |    |
|-----|----------------------------|--|----|
|     | (c)                        | PAC tendering – Enclose draft PAC certificate along with detailed justification for PAC tendering.                                   | NA |
|     | (d)                        | Single tendering – Mention the grounds of urgency / Operation reasons / technical requirements, etc. on which STE is being proposed. | NA |
|     | (e)                        | GeM  | NA |
| 10. | <b><u>Draft RFP :-</u></b> |  | NA |

Station : c/o 56 APO

Date : 07 Jan 2025

  
(Gaurav Yadav)  
Maj  
Project Officer

**COUNTERSIGNED**

Station : C/o 56 APO

Date : 12 Jan 2025


  
(Vishal Sharma)  
Col  
Commanding Officer

**RECOMMENDATIONS OF COMMANDING OFFICER, 14 CORPS OP SIGNAL REGIMENT FOR**  
**"DEVELOPMENT OF APPLICATION FOR IMMEDIATE AIR SUPPORT DEMAND"**  
**FOR FY 2024-25**

1. The proj, "**Development of Application for lmdt Air Sp Demand**" is minimum essential reqmt for automation of lmdt Air Sp Demand reqmts in HQ 14 Corps Z.
2. The approximate cost of Proj "**Development of Application for lmdt Air Sp Demand**" is **Nil as this is an in house software development.**
3. It is recommended that the appl may pl be sanctioned for dply on ADN post vetting of the same by AHCC & ACG.

Station : C/o 56 APO

Date : 12 Jan 2025

  
(Vishal Sharma)  
Col  
Commanding Officer




**RECOMMENDATIONS OF COMMANDING OFFICER, 14 CORPS OP SIGNAL REGIMENT FOR**  
**"DEVELOPMENT OF APPLICATION FOR IMMEDIATE AIR SUPPORT DEMAND"**  
**FOR FY 2024-25**

It is certified that S of C has been made as per DPM 2009.

Station : c/o 56 APO

Dated : 07 Jan 2025

  
(Gaurav Yadav)  
Maj  
Project Officer

**Appx 'A'**

(Ref Para 2 of S of C)

**BILL OF MATERIAL**

| S No | Eqpt/Nomenclature  | A/U | Qty | Remarks   |
|------|--------------------|-----|-----|---|
| 1.   | Imdt Air Sp Demand | Nos | 01  | In house Software devp<br>Database - MySQL<br>Front end - PHP |



**Appx 'B'**

(Ref para 4 (a) of SoC)

**BASIS FOR WORKING OUT THE QUANTITY AGAINST EACH ITEM FOR THE PROJ**  
**"DEVELOPMENT OF APPL FOR IMMEDIATE AIR SUPPORT DEMAND"**  
**FOR FY 2024-25**

| Ser No | Items Description           | A/U | Qty | Justification   |
|--------|-----------------------------|-----|-----|---|
| 1.     | Imdt Air Sp Demand software | Nos | 01  | A reqmt was projected by HQ 14 Corps GS (Ops) for devp of an appl that can facilitate Imdt Air Sp Demand procedure based on which a an appl has been devp by the unit. The appl will enable shortening of timings, facilitate automated decision making and ensure timely execution of Imdt Air Sp Demands using a web based appl tool. |

**Appx 'C'**

(Ref Para 7 (e) of S of C)

**FUND AVAILABILITY CERT FOR THE FY 2024-25**

|    |   |    |
|----|---|----|
| 1. | Code head under which the expenditure is proposed.  | NA |
| 2. | Total allocation under the code head.   |    |
| 3. | Cash outgo during the current financial year on account of committed liability carried forwarded from the previous year.  |    |
| 4. | Balance available for fresh commitments in current financial year (b-c).  |    |
| 5. | Cash outgo on account of the commitments already made during the current financial year based on schedule of delivery and payment terms in the supply orders / contracts. |    |
| 6. | Net balance available for further concurrence (d-e).  |    |



**Appx 'D'**

(Ref para 4(b) of SoC)

**COST CALCULATION SHEET FOR THE PROJ "DEVELOPMENT OF APPLICATION FOR IMMEDIATE AIR SUPPORT DEMAND" FOR FY 2024-25**

| Ser No | Items Description   | A/U | Qty | Total Cost |
|--------|---------------------|-----|-----|------------|
| 1.     | Development of appl | Nos | 01  | Nil        |

Approximate cost is **Nil** for the Proj "Development of Application for Imdt Air Sp Demand" for FY 2024-25