Appx C

(Ref Para 11 of DDG IT letter
No B/04001/Policy/SW/DDG
IT (T&P) dt 2024

CHECKLIST

S No	Mandatory Details	Remarks
1.	Name of Proj (incl ver).	Air Support Demand Software
2.	Name of sponsor.	1 Armd Div Sig Regt(AREN)
3.	Type of sw (Bespoke/COTS/Custmised).	Customised
4.	Brief Justification/endorsement on reqmt for devp of sw appl.	The traditional approach of Air Sp Demand using SMART eqpt is not only time-consuming but also prone to delays and inefficiencies, which can impact operational tempo and effectiveness. Recognizing these challenges, there arose a critical need for automation to streamline the demand procedure, enhance operational efficiency, and improve the overall responsiveness of air support coordination efforts.
5.	Aim, Scope and Purpose incl utility, beneficiaries and tgt users.	**Aim**. To automate Air Support Demand procedure during operations. **Purpose**. The software proposed automates the process of demanding Air Support in real time. The software's functionality extends beyond mere request submission. It includes robust tools for viewing, filtering, prioritizing, and managing requests based on operational priorities, mission objectives, and resource availability. **Tgt user**. IA Fighting Fmns
6.	To be hosted on internet/ADN with brief justification.	The software will be hosted over ADN with different levels of login privileges.
7.	Being devp in house or through IT funds.	In house devp
8.	Usability of proposed appls by other arms/services/org/est.	The S/w can be used effectively by all fighting fmns of IA.

9.	Hw and IT infrastructure reqd in the form of Virtual Machines at Data Centre (incl memory, storage and processing capb).	01 x server machine for webpage hosting and database mgt.
10.	Brief detls of content of the proposed sw appl.	The salient features of the software are enumerated in the succeeding bullets: **(a) <u>Secure and Role-Based Access</u>** . The system ensures secure access through separate logins for Commanders, Corps, Divisions, and Brigades, adhering to strict role-based permissions to safeguard sensitive operational information. **(b) <u>Intuitive Graphical User Interface (GUI)</u>**. Designed with usability in mind, the GUI offers an interface that simplifies the request submission process, reduces training overhead, and enhances user adoption across different military units and operational environments. **(c) <u>Real-Time Data Transmission</u>**. Requests are transmitted instantaneously to higher headquarters, ensuring that decision-makers receive up-to-date information in real-time to make informed and timely decisions. **(d) <u>Comprehensive Management Tools</u>**. The software provides comprehensive tools for viewing, filtering, prioritizing, and managing air support requests. These tools empower decision-makers to effectively allocate resources based on operational needs and mission priorities. **(e) <u>Geospatial Capabilities</u>**. Built-in military grid reference to latitude/longitude conversion capabilities enable precise geolocation data, essential for accurate targeting and mission

		planning in diverse operational environments. **(f) <u>Automatic ATO Form Generation</u>**. Upon approval, the system automates the creation of ATO forms, eliminating manual paperwork and reducing administrative burden. The standardized ATO forms ensure consistency and clarity in mission execution directives. **(g) <u>VETO Functionality</u>**. Built-in timer of 10 minutes for Division to exercise Veto power over Immediate Air Support requests by Bde's. (h) **<u>Auto Refresh</u>**. The software includes capability to auto refresh summary pages every 1 minute for updated real time demand requests at Higher HQ's.
11.	Endorsement by Head of Br/Svc/Fmn.	Endorsement Cert attached
12.	Detls of user base.	All IA pers
13.	Envisaged cost of entire proj incl license fees and maint.	Nil
14.	Projected dt of completion incl maj timelines.	(a) Plg and Mgt Stage: 2 Weeks (b) Design and Structure: 2 Weeks (c) S/w Coding: 4 Weeks (d) Testing and Debugging: 2 Weeks
15.	Brief detls of sw platform and tech stack proposed for devp of appl incl op sys dependencies (if any).	S/w to be devp on PHP, JAVASCRIPT and HTML with backend as MYSQL.
16.	Brief detls of proposed network and bandwidth reqmts.	ADN
17.	Brief detls of OS and Sys sw reqmts.	The system used for accessing the web application should have the following specifications: (a) Minimum RAM-2 GB (b) Hard Disk-40 GB (c) Processor - Intel Core i3 or above (d) Operating System - Windows 10 and above

18.	Brief detls of proposed data security measures incl backup of data.	Data Backup to be ensured in stby server.
19.	Brief detls of proposed database engine to be used in the appl.	MYSQL
20.	Detls of sw architecture and COTS sw proposed to be utilised.	Server - Client architecture to be implemented.
21.	Detls of proposed architecture Centralised/Fedrated/Hybrid.	Centralised
22.	Brief detls of proposed utilisation of Public Key Infra (PKI) and Iden and Access Mgt (IAM).	Iden and integration will be carried out. PKI will also be incorporated through IACA token.
23.	Technology dependencies (if any).	Nil
24.	Database reqmts.	MYSQL Database.
25.	Enhancement/upgradation (incl patch mgt/ sw updt procedure and mechanism).	To be ensured by Admin.
26.	Detls of licensing (if any).	To be processed through ACG
27.	Usage of Ports	Port No 443 will be utilised for hosting
28.	Encryption at user & in transit	Md5 Encryption used for pwd encryption at user end.
29.	Lifetime Sp Arngs	Project to be taken over by AHCC for future sp.

Access Mgt