STATEMENT OF CASE FOR VETTING AND WHITELISTING OF SAPTA SHAKTI SAMIKSHA WEB APPLICATION (MICROSOFT POWER BI TOOL ALONGWITH WEB PAGE LINKED WITH EXCEL SHEETS TO BE HOSTED ON SOUTH WESTERN COMD WEB PAGE)

INTRODUCTION

1.   Web sites/ web application in Indian Army help in timely dissemination of information of general nature useful to all Army users. Directorates/ formations are maintaining their web sites/ web application over Army Data Network (ADN)/ Exclusive Local Area Network (LAN)/ Internet. South Western Command was raised in 2005, for the purpose of automation of Headquarter South Western Command a website was developed whose vetting was done by Army Cyber Group (ACG) on 26 Aug 2021. The command website is hosting various Web applications and is already whitelisted by Directorate General Information System.

2.   Headquarter South Western Command (Electronics and Mechanical Engineers) has developed a equipment readiness dashboard to enable formation Commanders and Command headquarters to see the eqpt state in real time. To develop this equipment readiness dash board, Power BI software is used as a front end, being a whitelisted software and a webpage is developed for updation of excel sheets for dynamic Power Bi which will be seen at user end.

3.   The statement of case is for the purpose of vetting and whitelisting of Microsoft Power BI tool alongwith Web page and excel sheets and the same be accessed by end users across Command theatre.

PROPOSAL

4.   It is proposed to obtain "**Vetting and whitelisting of SAPTA SHAKTI SAMIKSHA Web Application (Microsoft Power BI tool alongwith Web Page linked with excel sheets to be hosted on South Western Command Web Page)**"

JUSTIFICATION OF THE CASE

5.   Headquarter South Western Command (Electronics and Mechanical Engineers) has developed a equipment readiness dashboard to enable formation Commanders and Command headquarters to see the eqpt state in real time. To develop this equipment readiness dash board, Power BI software is used as a front end, being a whitelisted software and a webpage is developed for updation of excel sheets for dynamic Power Bi which will be seen at user end. The statement of case is for the purpose of vetting of Microsoft Power BI tool alongwith Web page and excel sheets and the same be accessed by end users across Command theatre.

6.   To provide readiness state of equipment to formation Commanders and various branch heads of Command Headquarter, an equipment readiness dashboard has been prepared using a Microsoft Power BI tool, being a whitelisted software application and a web page has been designed for updation of excel sheets by formation Electronics and Mechanical Engineers, linked as a backend data to the front end visualiser Power Bi Tool through Army Domain Network using Command server. The Web page is based on a HTML/PHP and the web application named '**SAPTA SHAKTI SAMIKSHA**' has South Western Command troops, 10 Corps, 33 Armoured Division, 14 (I) Armoured Brigade, 471 Engineer Brigade and 2 Electronic Warfare Brigade tabs to allow updation of excel sheets by formations of South Western Command. The Web application enables the following steps:-

(a)   Web page linked with excel sheets which contains equipment data of various formations of South Western Command.

(b)   User should be allowed to download the excel data sheets of their formation through web page and upload the updated excel sheet on the webpage on fortnightly basis, which in turn will replace the pervious excel sheets of their formation saved in the server.

(c)   The updated excel sheets will act as a backend data to the Power BI tool linked through the source setting of the Power BI tool, installed at the viewer end.

(d)   The access rights to all the fmn excel sheets be allowed to the Command Electronics and Mechanical Engineers Branch.

7.   The Web page is based on a HTML/ PHP and the web application named **'SAPTA SHAKTI SAMIKSHA'** has following tabs to allow updation of excel sheets by formations of South Western Command.

(a)   SWC
(b)   10 Corps
(c)   33 Armd Div
(d)   14 (I) Armd Bde
(e)   471 Engr Bde
(f)   2 EW Bde

8.   The screenshot of Webpage is attach as **Appendix 'A'**, screenshot of dashboard of Microsoft Power BI is attach as **Appendix 'B'** and brief details of design/ development of the proposed software application is attach as **Appendix 'C'**.

FINANCIAL EFFECT

9.   The web application is being developed in-house using Microsoft Power BI tool, MS Excel, PHP and HTML utilizing hardware and software already available. Hence, no financial expenditure on development of web application.
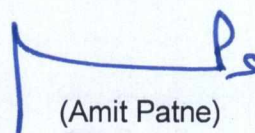
CONCLUSION

10.   It is proposed to obtain "**In Principle Approval for vetting of Microsoft Power BI tool alongwith Web Page linked with excel sheets to be hosted on South Western Command Web Page**.

(a)   Vetting of Microsoft Power Bi alongwith Webpage linked with excel sheets.

(b)   Permission be granted to user to download and upload the excel data sheets through Web Page directly on Command server.

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