

CHECKLIST PRE APPROVAL STAGE OF "SAPTA SHAKTI SAMIKSHA"

Ser No	Mandatory Details	Remarks
1.	Name of proj (incl ver).	SAPTA SHAKTI SAMIKSHA (Microsoft Power BI alongwith Web Page linked with various excel sheets).
2.	Name of sponsor.	South Western Command EME Branch.
3.	Type of Software (Bespoke/ COTS/ Customized).	Customized.
4.	Brief Justification/ endorsement on reqmt for devp of Software appl.	Fmn readiness/ eqpt state at present is discussed in various conf where in each units/ fmns shows their eqpt state. However to bring everyone to a common platform and to see the eqpt state in real time, an eqpt readiness dashboard has been developed by HQ SWC (EME).
5.	Aim & Scope purpose incl utility, beneficiaries and tgt users).	To provide readiness state of eqpt to fmn Cdrs and various br heads of Comd HQ, a eqpt 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 fmn EMEs, linked as a backend data to the front end visualiser Power BI tool through ADN using Command server.
6.	To be hosted on internet/ ADN with brief justification.	Hosted on ADN to enable all end point users to utilize the web application.
7.	Being devp in house or through IT funds.	Web application is being developed in- house.
8.	Usability of proposed appls by other arms/ services/ org/ est.	It can be utilized by all arms and services/ establishment.
9.	Hw and IT infrastructure reqd.	Existing Infrastructure.
10.	Brief details of content the proposed Software appl.	<p>To provide readiness state of eqpt to fmn Cdrs and various br heads of Comd HQ, a eqpt 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 fmn EMEs, linked as a backend data to the front end visualiser Power BI tool through ADN using Command server. The Web page is based on a HTML/ PHP and the web application named 'SAPTA SHAKTI SAMIKSHA' has SWC tps, 10 Corps, 33 Armd Div, 14 (I) Armd Bde, 471 Engr Bde and 2 EW Bde tabs to allow updation of excel sheets by fmns of SWC. The Web application enables the fwg steps:-</p> <p>(a) Web page linked with excel sheets which contains eqpt data of various fmns of SWC.</p> <p>(b) User should be allowed to download the excel data sheets of their fmn 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 fmn saved in the server.</p>

		<p>(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.</p> <p>(d) The access rights to all the fmn excel sheets be allowed to the Command EME Branch.</p>
11.	Endorsement by head of Br/ Svc/ Fmn.	South Western Command (EME) branch.
12.	Details of user base.	<p>(a) HQ South Western Command</p> <p>(b) South Western Command (EME) as admin.</p> <p>(c) HQ 10 Corps (EME) (User 1)</p> <p>(d) 633 EME Bn (User 2)</p> <p>(e) 6014 (I) Armd Wksp (User 3)</p> <p>(f) 138 (I) Wksp (EME) (User 4)</p> <p>(g) 23 Fd Wksp Coy (User 5)</p>
13.	Envisaged cost of entire proj license and maint.	Nil, In house devp of application use of Microsoft Power BI and MS Excel.
14.	Projected dt of completion incl maj timelines.	30 Jun 2024.
15.	Brief details of software platform and tech stack proposed for devp of appl incl op sys dependencies.	Microsoft Power BI as Front End and MS Excel as Back End, webpage devp using PHP and HTML.
16.	Brief details of proposed network and bandwidth reqmts.	ADN<2 Mb/s
17.	Brief details of OS and sys software requirement.	Microsoft Window server, Microsoft Power BI, Microsoft Office, HTML and PHP.
18.	Brief details of proposed data security measure incl backup of data.	N/W sec of NFS N/W and back up server instln for Data security.
19.	Brief details of proposed data base eng to be used in the appl.	Microsoft Window server, Microsoft Power BI, Microsoft Office.
20.	Detls of software architecture and COTS software proposed to be utilised.	Microsoft Window server, Microsoft Power BI, Microsoft Office, HTML and PHP.
21.	Detls of proposed architecture-Centralised/ federated/ Hybrid.	Existing infra.
22.	Brief details of proposed utilization of Public Key Infra (PKI) and access Mgt (IAM).	To be impl by AHCC, for use of IAM facility for Role based access.
23.	Technology dependencies (if any).	Microsoft Power BI, MS Excel, PHP and HTML.
24.	Database reqmts.	Storage reqmt : 10 GB for maint/ storage of database and reqd software. RAM-16GB.
25.	Enhancement/ upgradation (incl patch mgt/ software updt procedure and mechanism.	NA
26.	Details of licensing (if any).	NA