CHECKLIST: PRE APVL STO

| SNo | Mandatory Details | Remarks | | | |
|-----|--|---|--|--|--|
| 19. | Name of Proj (inc ver) | Integration of eNAR and Surveyakshak | | | |
| 2. | Name of sponsor | 426 (I) Fd Coy | | | |
| 3. | Type of SW (Bespoke/ COTS/ Customized) | Customized | | | |
| ** | Bitel justification/ andorsement on regmt for devip of Sw appl | The present software for digitization of a NA has certain inherent limitations. The software compatible only on systems containing Window B Operating System or lower, requires manusentry of data of each asset, does not permanalysis of data and the data on standalone P cannot be shared on Army Data Natwor Surveyakshak software and data held with the formation does not have operational work assets marked and updated record for analysis thigher formation level and visualization with respect to terrain. Presently e NAR is does maintained in excell format where in all Op We assets details are compiled. Separate surveyablek platform is used to visualize & powerous assets & lots etc on maps for ready to & ease of planning. However there is no integrated sity which can have automate system to map assets from a NAR Surveyablak platform. Hence to assist ease mapping & in order to assist Cors at all levels from all manufaculate intra planning as well as decaid making during HW Scenario wit loc or permit defining as well as decaid. | | | |
| 5: | | & mov of the there is an inescapable reget to developing such software. AIM: To develope a/w which can integrate to NAR with Surveykshak platform. Scope: It will include developing software platform with the help of govt institute BISAG-I Ahmedabad, which can have an integrate module to plot e NAR data on Surveykshak with other additional attention, addition & mapping tools, it also has appressed littly rights defined at a levels for updation & monitoring purpose. The ideal solution should cater for operational necessity of all user units and provide accurate that for siting, maintenance analysis and report generation. Moreover, it should be ADI compatible and ensure data security, facilitate higher Headquarters in analyse, visualize and operational assets at higher level. Tot user: All engitumits as well from HQ at all several can utilise the s/w to analyse infra days pig as well as op pig & subsequently assist in decision making. | | | |

| 19 | Brief details of Proposed Dalabase Engine To Be Used in The Appl | PostgreSDL is an ACID-compliant Object Relational Database Management System, or ORDBMS (quite a mouthful!). It runs on nearly any operating system including Linux, Linix, and Windows It is high performance and highly scalable, capable of handling huge amounts of data and high-load internet applications with thousands of concurrent users. | | | |
|------|---|---|--|--|--|
| 20. | Detis of Sw architecture and CCTS Sw proposed to be utilized | (a) Framework to be Used: Spring Framework, Java (b) Frontend Tool: HTML, CBS, JavaScript (c) Database: PostgreSQL (d) Web-hosting Tool: Tomost (Application Server), Nginx (Web-Server), (e) Operating System : Ubuntu. (f) Supporting Browsers: Filefox, Edge, Chrome | | | |
| 21. | Dot's of proposed architecture - Centralised/ Feserated/ Hybrid | Centralised | | | |
| 22 | Brief details of proposed utilization of Public Kny Infra (PKI) and Iden and Access Mgt (IMA) | IAM will be integrated at the Remote Testing | | | |
| 23. | Technology dependences (if any) | NO. | | | |
| 24. | Database regints | PostgreSQL Ver 16 | | | |
| .26. | Enhancement/ upgradation (indi- patch mgt/ Sw updf procedure and mechanism | Qtrly/on-occurrence | | | |
| 26 | Details of licensing (if any) | -NA- | | | |
| 27 | Deployment Architecture | Acts VME. Step (Section) [MALVMAN Step (Section) Acts VME. Section Acts VME. | | | |

| 6. | To be hosted on internet/ ADN with prief justification | Hosting on ADN will enable access of data at all levels with specific access rights. Thus higher HD will also have scurses to all data for monitoring, planning & decision making purpose. | | | | |
|-------------|---|---|--|--------------------------|------------------------|-----------------|
| 76 | Being devp in house or through IT funds | 3//32 | | | | |
| 0 | Usability of proposed apple by other mms/ services/ or/ est | NI | | | | |
| | | | Quantity | a of | RAM (GB) | Storage |
| | Hw and IT infrastructure regd | Application VM: | 2 | 8 | 16 | 1.18 |
| | | Database VM | 2 | 16 | 64 | 100 GB |
| 9. | | Man Server VM | 1 | 18 | 16 | 218 |
| | | File Samur& Sackup VM | 1 | 8 | 0 | 2.18 |
| 10; | Briaf details of content of the proposed Sw appl | inputs which can be features are as be infra. mobility analysis. | veykashak alongwith a-NAR Surveykashak platform. Kay in & mappling of all types of tysis and proporties of the radient, aspect and visibility. | | | |
| 11. | Endorsement by Head of Br/ Svo/ Emn | HQ 136 (I) Inf Bide | e Coy | | | |
| 12. | Details of user base | Fron HQs & Engru | | | | |
| Addi 13. | Details (Optional in Pre Apvi Stg : I Envisaged cost of entire proj incl license fees and maint | | (pvl Stg) | | | |
| 14. | Projected at of completion incl maj timelines | (i) Development - (ii) User Triels & co (iii) Velting post wh (iv) PDC - 38 Oct 2 | mpatibility – italisting – 1 | 10 Sep 2024 FOct 2024 | | |
| 16 | Brief details of Sw plutform and tech stack proceed for devp of appl not op sys dependencies (if any) | Spring Framework, JAVA. The on the virtual Machines on backup VM will be configure located fair from the production a | | Wo Physical Servers The | | |
| 16. | Brief details of proposed network and bandwickly regmts. | ADN, minimum 1MI | recoil to | | | |
| 17. | Brief details of OS & Sys software regente | The SAV will be hosted on a ser However, the clients can access presently in use with Indian Arm | | of the Side | ing Ubun V using ar | lu OS. ny OS |
| 18. | Brief details of proposed data accurity measures incl backup of data | Use of SSL (Security) for | Layer) and TLS(Transport tily and also using Column Data Backup Every Day | | | |