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Short Brief and Functional Purpose of the S/W Being Devp.

(a) **Background.**

(i) Exam Sec (Erstwhile MT-2) conducts DSSC/ DSTSC Entrance Exam for 1600 to 1800 offrs every yr. Wef 2023, the entire process of application mgt for DSSC/ DSTSC Entrance Exam has migrated to online platform with SW hosted on ADN. The SW is utilised by offrs for processing all types of applications for DSSC/ DSTSC Entrance Exam and provides real time status of all the submitted applications.

(ii) CPSC is an imp course conducted by regional comds (less Central Comd) for prep of offrs aspiring for DSSC/ DSTSC Exam. Every year approx. 900 offrs apply for CPSC by fwd offline applications to CPSC Conducting Fmns, through their Chain of Comd. There is a felt need of digitising the submission and approval of CPSC applications for enhancing efficiency and resource optimisation.

(b) **Present System of Submission of CPSC Applications.**

(i) Applications for attending CPSC at own fmns are approved by Regional Comds, whereas applications of offrs of Cat A/B Ests and offrs desirous of attending CPSC at other than own Comd are approved by Exam Sec, ARTRAC.

(ii) Offrs submit applications to their IO, which are thereafter processed through the Chain of Comd till Regional Comds/Exam Sec. Thereafter, the list of eligible offrs approved for attending CPSC is posted on ADN by CPSC conducting Fmn/Exam Sec, after scrutiny.

(c) **Feasibility of Utilising DSSC/ DSTSC Exam Application Mgt SW.**

(i) DSSC/ DSTSC Entrance Exam Application Mgt SW developed in house by Exam Sec, hosted on ADN is being utilised for processing DSSC/ DSTSC Exam Applications. A separate module within the DSSC/ DSTSC Entrance Exam Application Mgt SW is reqd to be created for submission of CPSC Applications which will automate entire process for DSSC/DSTSC Exam.

(ii) BISAG-N was info to devp a SW for mgt of DSSC Exam. BISAG-N has devp the entire DSSC/ DSTSC SW incl a separate module for CPSC using JAVA language. The SW was demonstrated to Exam Sec and was found to meet all the reqmts of Exam Sec.

2. **Details wrt SW Proposed to Be Devp.**

(a) **SW ID/ Name (incl ver number).** DSSC/DSTSC and CPSC Application Mgt SW.

(b) **Est/ Sponser (Comd) (incl details of PDMG).** HQ ARTRAC (Exam Sec).

(c) **Type of SW (Bespoke/ ERP/ COTS/ Customized).** Bespoke.

(d) **Purpose/ utility (incl beneficiaries and tgt users).** Same as mentioned at Para 1 above.

(e) Name of Devp Org/ Vendors Name and Contact Details. BISAG-N, Gandhinagar, Gujarat.

(f) Is IPR Held with Sponsor. Yes.

(g) Is the SW Already Cleared/ Approved By ACG. No.

(h) OS and Sys SW Reqmts. DSSC/DSTSC and CPSC Application Mgt SW will be hosted on Windows Server 2019 and above OS. However, the clients can access the SW using any OS presently in use with IA.

(j) Language/ Platform of SW Devp & Dply. The SW is using JAVA language with spring framework.

(k) Database Reqmts (SW, Ver, etc). Postgres SQL.

(l) Technology Dependency (if any). Nil.

(m) Cost Incl Annual Maint Contract. Nil. Devp through BISAG-N as per existing MoU.

(n) HW/Server Specifications (if any). Existing HW will only be used. Detls are as under:-

(i) RAM. 16 GB.

(ii) Mother Board. 64 Bit OS.

(iii) HDD. 512 GB.

(iv) Processor. Intel ® Xeon ® CPU 2.4 GHz.

(o) Architecture for Dply (Centralised/ Federated/ Hybrid/ Etc). Hybrid.

(p) Enhancements/ Upgradation (incl patch mgt/ SW Updt Procedure and Mechanism). Qtrly/On occurrence.

(q) Recommendations, Spl Instr and Reqmts (if any). Nil.

3. Intended Usage and Dply - Standalone/ LAN/ ADN/ Internet/ CWN.

(a) DSSC/DSTSC Application Mgt SW is presently hosted on Central Server loc at HQ ARTRAC (Exam Sec), Shimla. The SW is accessible to all ADN users in IA.

(b) Post successful clearance of the new SW, it will be hosted on ADN for all users of IA.

DSSC/ DSTSC AND CPSC APPLICATION MGT SW

- (i) Cumbersome and time consuming.
- (ii) Compilation of candidate's data is difficult and error prone being manual.
- (iii) Tracking of application status and is difficult and manual.
- (iv) Doesn't facilitate enforcement of timelines by offrs.
- (v) Resource intensive process.
- (vi) Data sharing between CPSC conducting frmn and Exam Sec is manual and inaccurate.

Proposal

5. A separate module within the DSSC/ DSTSC Entrance Exam Application Mgt SW is reqd to be created for submission of CPSC Applications which will automate entire process for DSSC/DSTSC Exam.

6. Exam Sec currently op three SWs prep by BISAG-N using JAVA language i.e Result SW, Offrs Online Exam SW and JLPT Online Exam SW. Hence, it is strongly felt that a **SW prep by BISAG-N** based on **JAVA** platform will greatly assist Exam Sec in data portability, formatting and processing of input & output between Result SW and DSSC/DSTSC SW.

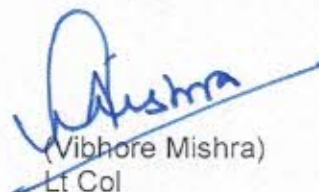
7. Accordingly, BISAG-N was info to devp a SW for Mgt of DSSC Exam. BISAG-N has devp the **DSSC/ DSTSC and CPSC Application Mgt SW** using JAVA language in 45 days. The SW was demonstrated to Exam Sec and was found to meet all the reqmts of Exam Sec.

8. **PRAGATI**. DGIS is devp a SW module to house all the SWs of HQ ARTRAC. Hence, post devp of ibid SW, the source code will be shared with DGIS for incl in PRAGATI SW being devp.

Recommendation

9. Apropos, brief of the **DSSC/ DSTSC and CPSC Application Mgt SW** prep by BISAG-N is placed opposite for perusal. It is recommended that the case file for devp of **DSSC/DSTSC and CPSC Application Mgt SW** through BISAG-N be recommended for approval by DGIS pl.

10. PU for perusal and approval pl.



(Vibhore Mishra)
Lt Col

GSO 1 Exam (A)

30 Jan 2025

DSSC/ DSTSC AND CPSC APPLICATION MGT SW1

1. DSSC/DSTSC Application Mgt SW is hosted on ADN and is being utilised for processing of all u/m applications related to the conduct of DSSC/DSTSC Entrance Exam since yr 2023. The SW has also successfully automated the process of issuance of Admit Cards for the exam and Nomination letters for joining different colleges to the candidates:-

- (a) Online Application for Exam.
- (b) Compensatory Chance (CC) Application.
- (c) Change of Exam Centre.
- (d) Change of Options.
- (e) Withdrawal from Exam.

2. Automation of Comd Pre Staff Course (CPSC). CPSC is a precursor conducted by regional comds (less Central Comd) for prep the DSSC/ DSTSC Exam aspirants. Every year approx. 900 ofrs apply for CPSC by fwd offline applications to Conducting Fmns through their Chain of Comd. It is felt that integration of CPSC application within the DSSC/DSTSC Application SW will help in digitizing all aspects of DSSC/DSTSC Exams.

Present Arng

3. DSSC/DSTSC Exam Application Mgt Portal.

(a) DSSC/DSTSC Application Mgt SW was implemented wef 2023 and has successfully automated all aspects of DSSC/DSTSC Entrance Exam.

(b) The SW was devp in house by Nb Sub Shyam of Exam Sec, HQ ARTRAC and has also been vetted by ACG. Details of SW are as under :-

(i) OS. Windows Server 2019.

(ii) Language. C# (C-Sharp).

(iii) Platform. ASP.Net.

(iv) Database. SQL Ver 2019.

(v) ACG Clearance Accorded. Vide letter No B/51106/ArCyGp/T3/T&E/ARTRAC dt 24 Nov 2022.

4. Application Process for CPSC by Candidates.

(a) Candidates submit their application to CPSC conducting fm through their chain of Comd in hard copy.

(b) Applications for attending CPSC at own fmns are approved by Regional Comds whereas applications of ofrs of Cat A/B Ests and ofrs desirous of attending CPSC at other than own Comd is processed by Exam Sec.

(c) The entire process of processing, approval and genr of final list of ofrs attending CPSC at various fmns is offline, having fmg inherent disadvantages:-

DSSC/ DSTSC AND CPSC APPLICATION MGT SW2COS

Para 9/N-1 ante endorsed
for April 1st

31/01

Army Cdr

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1. By Notes ante.

2. Para 9 Note 1 is approved.

Col GS (Exams)

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01 Feb 2025

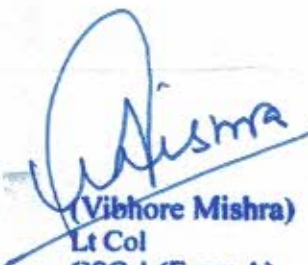
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Dt of Receipt	31-01-25
Dt of Return	03-01-25
EXAM SEC	

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DSSC/ DSTSC AND CPSC APPLICATION MGT SW5

1. Ref notes ante.
2. Case file has been duly approved by GOC-in-C, ARTRAC vide Note 4 ante.
3. Put up for incl in "Steering Auto Committee (SAC)".


(Vibhore Mishra)
Lt Col
GSO I (Exam A)
HQ ARTRAC
03 Feb 25

6DGIS

(Through Proper Channel)