

CHECKLIST TO BE ATT WITH SOC FOR THE PROPOSAL

<u>Ser No</u>	<u>Mandatory Details</u>	
1.	Name of Proj (incl ver)	Sainya e-Granthalaya Ver 1.0
2.	Name of Sponsor	HQ IDS
3.	Type of SW (Bespoke/ COTS/ Customized)	Bespoke
4.	Brief justification/ endorsement on reqmt for devp of SW appl	A software appl (Sainya e-Granthalaya) to be so designed to provide Tri Service users with easy access knowledge resources held at various Tri Service ests thus bringing in economy of effort, faster access to info and opportunity for knowledge enhancement at all levels.
5.	Aim, Scope and Purpose incl utility, beneficiaries and tgt users	<p><u>Aim & Scope.</u></p> <p>(i) Digitisation of catalogue of existing books/ papers/ publications in the Services libraries.</p> <p>(ii) Digitisation of Services' UNCLAS publications/ papers which is to be hosted on a tri-services portal for easy access to all.</p> <p>(iii) Initialization of UNCLAS tri-services knowledge portal.</p> <p>(iv) Only searchable index of classified mtrl to be uploaded.</p> <p>(v) On Tri-Svcs Network, Services content (instead of only catalogue) to be shared.</p> <p><u>Beneficiaries & Tgt Users.</u> All users of tri-svcs.</p>

6.	To be hosted on internet/ AND with brief justification	To be hosted on AND with IPs for tri-svcs whitelisted for access by all users. Post impl of JCA, to be migrated on to JCA.
7.	Being devp in-house or through IT funds	In house devp
8.	Usability of proposed appls by other arms/ services/ org/ ets	All arms and svcs
9.	HW and IT infrastructure reqd in the form of Virtual Machines at Data Centre (incl memory, storage & processing capb)	Virtual machines with capb <u>Compute</u> (a) With GPU. 16 server cores with 64 GB RAM. (b) Without GPU. 24 server cores with 64 GB RAM. <u>Storage</u> . 10TB.
10.	Brief details of content of proposed SW appl	(a) Catalogues of books in librraies (b) e-books in epub/mobi format (c) Unclass pdfs (d) Video less than 100MB (e) Audio less than 100MB
11.	Endorsement by Head of Br/ Svc/ Fmn	
12.	Details of user base	All tri-svcs pers
13.	Envisaged cost of entire proj incl license fees and maint	Nil; Open Source software used
14.	Projected date of completion incl maj timelines	03 Sep 2024
15.	Brief details of SW platform and tech stack proposed for devp of appl incl op sys dependencies (if any)	(a) Linux server (b) Java 21 (c) PostgreSQL 16 (d) Ollama 3.10 (e) Kubernete 1.3 (f) Docker 24 (g) Zipkin 3.4 (h) Redis 7.4 (j) Kafka 3.6 (k) Apache Tomcat 10 (l) JQuery 3.7
16.	Brief details of proposed network & bandwidth reqmts	2 MBps or more
17.	Brief details of OS & Sys software reqmts	As per para 15 above
18.	Brief details of proposed data security measures incl backup of data	Data at rest using database level encryption. Data in motion of UNCLAS nature.

19.	Brief details of Proposed database engine to be used in the appl	As per para 15 above
20.	Details of SW architecture and COTS sw proposed to be used	Nil COTS sw. Other details as per Para 15 above
21.	Details of proposed architecture - Centralised/ Federated/ Hybrid	Centralised
22.	Brief details of proposed utilization of Public Key infra (PKI) and Iden & Access Mgt (IAM)	As per SOP
23.	Tech dependencies (if any)	As per Para 15 above
24.	Database reqmts	As per Para 15 above
25.	Enhancement upgradation (incl patch mgt/ sw updt procedure and mech)	Push model. Centrally administered
26.	Details of licensing (if any)	Nil