ACCESS RIGHTS MANAGEMENT APPLICATION FOR DIFFERENT CATEGORIES OF SYSTEM USERS

1.	Unit/ Directorate/ office initiating the vetting	CENTRAL COMMAND SIGNAL REGIMENT
2.	Name of proj (incl ver) :	Access Rights Management System for Different Categories of System Users
3.	Name of sponsor. :	HQ Central Comd (Sigs)
4.	Type of Sw (Bespoke/COTS/Customized)	Customized software appln
5.	Brief justification/ endorsement on reqmt for Sw appl	IA uses segregated network for its systemic needs. There are some tasks that require engagement of human resources that are emp on contractual basis. Providing rights to view the restd info riding on ADN may result in leakage of data. Hence there is a reqmt of Access Rights Management System for different categories of users which can limit the access of resources to users including web access, local hardware resources, storage access and requires an authentication mechanism for achieving the same.
6.	Aim & Scope Purpose incl utility, beneficiaries and tgt users	(a) Access Rights Management System for different categories of users which can limit the access of resources to users including web access, local hardware resources, storage access and requires an authentication mechanism for achieving the same. (b) The application uses multi-tier authentication mechanism to login to the system and according to the classification of the user access to the resources are provided. (c) Any change in the access reqmts will be authenticated by the system admin or the offr who is responsible for the system.
7.	To be hosted on internet/ ADN with brief justification.	The appln will be run on all AND PCs.
8.	Being devp in house or though IT funds	The appln is being developed through IR&D in collaboration with IIT Kanpur.
9.	Usability of proposed appls by other arms/services/org/est.	Application will be beneficial to all ADN users

10.	Hw and IT infrastructure reqd.	It is a client server based application. The rights are managed centrally at the server and each system is installed with the client end of the application which limits the access to system resources.
11.	Brief details of content of the proposed Sw appl.	(a) The Application provide privilege based access to all ADN users. (b) The privileges to include hardware resources, web resources and software resources are defined at the server while creation of user. (c) The client end application authenticates the user and allows only the specified resources to be allocated to the user while using the system. (d) Any escalation in privileges are to be approved by the higher auth or on a request basis through system admin. (e) This allows same system to be used by combatants as well as civilian clks without compromising on the data security
12.	Endorsement by Head of Br/Svc/Fmn	HQ Central Comd (Sigs)
13.	Details of user base.	The appln will be of benefit to all ADN users.
14.	Envisaged cost of entire proj incl license fees and maint	The appln is being developed by IIT Kanpur at a cost of 1.03Cr.
15.	Projected dt of completion incl maj timelines.	Post approval, IIT Kanpur will be taking a pd of 1 Yr for development of the appln.
16.	Brief details of Sw platform and tech stack proposed for devp of appl incl op sys dependencies (if any)	The application is being developed in a client server architecture and will require access to ADC.
17.	Brief details of proposed network and bandwidth reqmt.	Application is to be dply on ADN.
18.	Brief details of OS & Sys software reqmts.	The application requires Win 10 22h2 or higher.
19.	Brief details of proposed data security measures incl backup of data.	The login data is stored in the central server and backup of data will be taken every 7 days on external media. While the user data is stores in the respective PCs

20.	Brief Details of proposed Database Engine to be used in the appl.	NIL
21.	Detls of sw architecture and COTS Sw proposed to be utilized.	Its based on a Client-Server architecture. The priviledges of users are defined at the server and client application limits the access to resources(Hardware, web, storage, printing, etc) based on the assigned role of the user
22.	Detls of proposed architecture – Centralised/ Federated/ Hybrid	It is based on a client server model.
23..	Brief details of proposed utilization of public key infra (PKI) and iden and Access Mgt (IAM).	IAM integration has not been carried out in the appln.
24.	Technology dependencies (if any).	NIL
25.	Database reqmts.	NIL
26.	Enhancement/ upgradation (incl patch mgt/ Sw updt procedure and mechanism	Incremental upgrades to the application at the server end can be carried out in consultation with IIT Kanpur
27.	Details of licensing (If any).	IIT Kanpur