CHECKLIST TO BE ATT WITH SOC FOR THE PROPOSAL

S No	Mandatory Details	
1.	Name of proj (incl ver).	Intelligence Fusion Centre
2.	Name of sponsor.	HQ, South Western Comd
3.	Type of Sw (Bespoke/ COTS/ Customized).	COTS
4.	Brief justification/ endorsement on reqmt for devp of Sw appl.	Presently there is no Artificial Intelligence based sw for data ingestion and f... enormous volume of internally and externally collected data from various a... converted into intelligence. Information collation, text analytics, video and ima... and subsequent analysis of these for generating intelligence is being done mar... system. The existing mechanism is time consuming and makes decision make... time critical inputs tedious and seemingly impossible at times. Hence there is a need for an AI based Int collation & analysis sys at HQ, So... Comd
5.	Aim. Scope and Purpose incl utility, beneficiaries and tgt users.	Aim. Procurement and installation of Intelligence Fusion Centre at HQ SWC ar... formations. Scope, Purpose & Utility. The sys would be providing info would be accessed ... its units. The info can also be fed from different sources through permission-ba... access. Beneficiary.
6.	To be hosted on internet/ ADN with brief justification.	The sys will initially be dply in a standalone mode a HQ South Western Comd
7.	Being devp in house or through IT funds.	IT Funds
8.	Usability of proposed appls by other arms/ services/ org/ est.	The sys is currently being used at HQ Central Comd & HQ Southern Comd in ... mode
9.	Hw and IT infrastructure reqd in the form of Virtual Machines at Data Centre (incl memory, storage and processing capb).	1. Application servers — 2 X 18 Core / 36 Thread, 128 GB RAM, 4 TB SAS (or higher) 2. Data base Servers — 2 X 18 Core / 36 Thread, 128 GB RAM, 12 TB SAS (or higher) 3. Video and Image Analytics Centre — 2 X 12 Core / 24 Thread, 128 GB, 4 TB HDD, nVidia RTX 2080 or higher 4. GIS Servers — 2 X 18 Core / 36 Thread, 12 GB, 12 TB HDD 5. VPN with firewall — Firewall for web listeners with VPN connectivity for 100 concurrent users 6. Racks — 42 U (1000 x 1200)
10.	Brief details of content of the proposed Sw appl.	1. The proposed system can **import data from multiple relational databases** and semi structured data into the Big Data Repository. The system also encompasses **modules to ingest data from semis structured data sets** like scanned documents, word documents, excel sheets, presentations and HTML dumps.

		2. The proposed system will provide **real time situational awareness** and **operational data** for decision making. The system also caters for **multi-dimensional analytics** as required by branch, unit, fmn or analyst ranging from visual and textual reports for dive down analysis. 3. The proposed system will **remove duplicity of data** and **facilitates report generation** with **minimal technical skills**. 4. The proposed system will have an inbuilt state of art deep neural networks for **facial recognition**. 5. The application will correlate data sources into a Big Data Repository for all analysts for collaborative intelligence across geographically dispersed locations.
11.	Endorsement by Head of Br/ Svc/ Fmn.	Approved by GOC-in-C, South Western Comd
12.	Details of user base.	GS(Int) Br, HQ South Western Comd, Fmns of South Western COmd
13.	Envisaged cost of entire proj incl license fees and maint.	Rs **9,91,20,000/- (Rupees Nine Crores and Ninety One Lakh Twenty Thousand o**
14.	Projected dt of completion incl maj timelines.	Dec 2025
15.	Brief details of Sw platform and tech stack proposed for devp of appl incl op sys dependencies (if any).	1. OS. Ubuntu 22.04 Desktop LTS edition, Windows 11 Professional. 2. DB Engine. Elasticsearch, Postgresql. 3. Tech Dependency. Geo-server, Kibana, LLM Models & Openstreetmaps.
16.	Brief details of proposed network and bandwidth reqmts.	Initially the sw will be dply in a standalone mode
17.	Brief details of OS & Sys software reqmts.	OS. Ubuntu 22.04 Desktop LTS edition, Windows 11 Professional.
18.	Brief details of proposed data security measures incl backup of data.	The data will be stored at servers incl as part of the Int Fusion Centre at HQ, SWC
19.	Brief Details of Proposed Database Engine To Be Used In The Appl.	DB Engine. Elasticsearch, Postgresql
20.	Detls of Sw architecture and COTS Sw proposed to be utilised.	Int Fusion Centre is a sw devp by Rashtriya Raksha University

21.	Detls of proposed architecture - Centralised/ Federated/ Hybrid.	Centralised Architecture
22.	Brief details of proposed utilisation of Public Key Infra (PKI) and Iden and Access Mgt (IAM).	Initially the sw will be dply in a standalone mode
23.	Technology dependencies (if any).	Tech Dependency. Geo-server, Kibana, LLM Models & Openstreetmaps
24.	Database reqmts.	Databse will be devp using the int inputs repository avbl at HQ, SWC
25.	Enhancement/ upgradation (incl patch mgt/ Sw updt procedure and mechanism.	Provision for enhancement/upgradation has been incl in the RFP with a provision for the vendor for a period of 10 yrs
26.	Details of licensing (If any).	The product has been devp by Rashtriya Raksha University