

# **SPECIFICATIONS FOR THE PURCHASE OF DATA AND CDR ANALYSIS SOFTWARE WITH HARD WARE**

## **Software Specifications for CDR Analysis Software**

IT IS INTENDED TO PURCHASE A CDR ANALYSIS SOFTWARE MULTI SYSTEM WITH HARD WARE WHICH SHOULD BE ABLE TO ACQUIRE AND NORMALIZE STRUCTURED DATA AND CAPABLE TO ANALYSIS HUGE DATABASE .SOFTWARE SHOULD CAPABLE TO SHOW THE DATA RECORD STRATEGICALLY AS WELL AS CHART GRAPHICS AND DIAGRAMS. SOFTWARE SHOULD CUSTOMIZABLE AND ABLE TO PROCESS AND ANALYSIS VARIOUS QUERIES MADE BY THE ANALYST.

1. Acquisition and normalization of structured data (CDRs/SDRs/Cell-IDs) from Service Providers and unstructured data (reports, documents etc.) from other government agencies
2. Open interfaces for integration with external databases and applications
3. Handling large volume of data in varied formats for importing and processing across multiple operators and circles
4. Tower Data Analysis and Management
5. Social Network and Kingpin Analysis for direct and indirect linkages
6. Movement Analysis
7. SOP (Standard Operating Procedure) Analysis for complete suspect profile.
8. Day/Night Halt Analysis
9. Case Analysis by correlating data from diverse sources
10. Case-wise Target/Suspect Management
11. Group Analysis for finding gangs with strong and weak links
12. Generates Consolidated Summary Reports
13. Hotspot Analysis
14. Shared Handset Analysis
15. International Call Analysis
16. Silent Number Analysis for finding out unusual call behavior
17. Spatial-temporal Analysis
18. Location Pattern Analysis
19. Customized Periodic Reports (summary calls, international calls) for proactive policing
20. Geographical profiling on Google Maps
21. Query Builder facility for customized querying
22. Reflection of Suspect numbers in past criminals database
23. Robust Security Mechanism
  - a. Role based access system
  - b. Encrypted passwords
24. Provides user-friendly interface
25. Data mining for Predictive Modeling
26. Support for Web based Architecture

27. Customizable to specific LEA needs and evolve with changing requirements (change in modus operandi, investigative techniques etc)
28. Modular Architecture- capable of adapting to the upcoming technological evolutions.
29. Client-Server Architecture with browser based interface
30. Should Support 3D Link chart navigation.
31. Should have Data visualization capabilities including 2D and 3D graphs

## **Hardware Specifications for CDR Analysis Software**

1. Single Quad-Core Intel® Xeon®
2. Four ECC DDR-2 667/800 SDRAM1 DIMM sockets for up to 8GB of memory
3. Maximum Internal Storage: 2.0TB2 (2 x 1TB) Nearline SAS
4. Integrated ATI® ES1000 VGA Controller with 32MB memory
5. Power supply (345W)
6. Operating System: Red Hat® Enterprise Linux

### **TERMS AND CONDITIONS**

- a. IT IS MANDATORY THAT ALL THE DESIRED FEATURES SHOULD BE DEMONSTRATED AT THE TIME OF TECHNICAL EVALUATION OF THE SYSTEM. NO SECOND CHANCE WILL BE PROVIDED FOR DEMONSTRATION. TECHNICAL OFFERS WHICH SHALL BE FOUND HALF/ PARTIAL COMPLIED SHALL BE TREATED AS CANCELLED.
- b. CHARGES FOR ON-SITE COMPREHENSIVE WARRANTY FOR THREE YEARS SHALL BE QUOTED ALONG WITH THE PRICES.
- c. BIDDER SHOULD GIVE THE UNDERTAKING THAT THE PRODUCT IS IN-HOUSE DESIGNED & DEVELOPED.
- d. BIDDER SHOULD NOT BEEN BLACKLISTED BY ANY GOVERNMENT/ DEFENSE ORGANIZATION OF INDIA.
- e. IT IS ALSO MANDATORY THAT AFTER GETTING THE PURCHASE ORDER COMPANY SHOULD PROVIDE 24 x 7 SUPPORTS ON TELEPHONE AND IN MATTER OF SERIOUS FAULT, TECHNICAL TEAM WILL BE SUPPORTING WITHIN 24 HOURS OF COMPLAINT.
- f. BIDDER SHOULD PROVIDE 3 USER LICENSES ALONG THE SERVER AND SOFTWARE