

Minimum Configuration of the system

The minimum required configurations of the system are listed below:-

Sl.No	Item Description	Complied / Not Complied
1	Attendance shall be recorded primarily with bio-metric fingerprint reading. Built-in contact less Smart Card reader shall be available as back-up with the fingerprint reader unit. The smart card reader shall read ISO 14443A type smart cards.	
2	The system shall record attendance of employees working in regular time such 09:00hrs to 17:30hrs. Protocol : TCP/IP to support DHCP / Static IP Configurations	
3	The reader should function and record attendance even in standalone mode when network fails.	
4	Biometric finger print reader should be able to store at least 10000 transactions locally in the reader.	
5	Wall mount type reader unit	
6	Capability to capture up to two fingerprint biometrics per employee	
7	Scanner Type: Optical based scanner with a resolution of 500 dpi.	
8	Fingerprint rotation acceptance rate 90° in both clockwise & anti clockwise direction.	
9	Adjustable Fingerprint template size	
10	Scanner sensing area of 0.98" X 0.52"	
11	1:1 Verification and 1:N Identification speed	
12	Identification time < 2sec	
13	Verification time < 1sec	
14	False Application Rate <0.01% False Rejection Rate <0.01%	
15	Built in buzzer to identify successful and unsuccessful transaction	
16	Numeric keypad with function keys (0-9 numbers, enter, cancel, menu, backspace)	
17	Card User Capacity from 150 to 500	
18	TFT Display : 3" Colour TFT Display	
19	Power: 230VAC, 50hz frequency	
20	Rugged construction, Casing of the Biometric Reader shall be weather proof, dust resistant and corrosion free. Tamper Resistant Enclosure needed.	
21	Built in 24 hour mode quartz real time clock (Non-volatile).	
22	Preferred to have Windows based software and Terminal compatible to open standard cards	
23	Firmware should be upgradeable without the need of	

	dismantling the Terminal.	
24	The software shall be password protected security	
25	Administration module to remotely control and manage all the supplied biometric readers on LAN through web enabled interface.	
26	Scheduler program to upload and download data, to and from the Biometric reader via the TCP/IP protocol or web enabled interface.	
27	The scheduler program should have user selectable time interval or setting specific time during the day.	
28	The reports generated shall be web based	
29	Employee Profile with biometrics should have administrator selectable unique employee PIN (Personal Identification Number)	
30	<p>The software shall provide facility for the following</p> <ul style="list-style-type: none"> • Add, delete, edit location / department • Provision to add, edit, activate, deactivate new shift • Provision for changing permissible timings • Provision to specify location and department wise rules for marking late and early departure and calculation of leave deduction based on the rule. • Provision to specify rules for calculating Overtime • Provision to add weekly holidays and yearly holidays (Closed and RH) • Provision to enter leave granted (CL/EL/ML/RH/etc). RH can't more than 2 in a year. • Provision to add/edit late arrivals and early departure • Provision to regulate late arrival/ early departure occurred due to official reasons. • Monitor transaction logs • Provision to allow flexi timings- compensate late sitting with late arrival 	
31	Synchronization of Data between Server and Device for personnel and transactions	
32	Employees shall be categorized into – Regular Employees, Contract employees, Trainees etc and category wise report shall be generated	
33	Backup and restore facility	
34	NCAOR prefers to integrate reports from the proposed biometric attendance system with the web server (preferably in Windows). The web server is accessible through LAN. Hence preference will be given to a biometric attendance system that can be easily integrated with the existing web enabled system.	
35	Necessary training shall be given to NCAOR personnel.	
36	Requirements for implementing attendance system namely hardware such as UPS power supply and networking and Desktop Computer will be arranged by the NCAOR.	

37	Initial scanning of finger prints of all employees shall be the responsibility of the service provider.	
38	Report or Database should be compatible to integrate with Payroll System	

Signature of Tenderer :

Date :

Place :

Seal :