

Specification of Tender No. 65.11.6504

Technical Specification of Card Reader Based Electronic Gate attendance System

Major Parameter	1	<p>ATTENDENCE SYSTEM- Ten Nos (PROXIMATE- SHOW CARD. Based on Radio Frequency. Dual function for access control & Time attendances. Computer connectivity by RS-232/485. Network operation, expandable 255 sets LCD Display modem connectivity. External modem connectivity Recording of Un- authorized card swipes & such data should appear with special character. Tamper alarm for anti- casing open and breaking in, for enhanced system security.</p> <table border="1" data-bbox="658 804 1715 1431"> <tr> <td>a</td> <td>Processor</td> <td>8Bit</td> </tr> <tr> <td>b.</td> <td>Memory</td> <td>128K</td> </tr> <tr> <td>c</td> <td>Input ports</td> <td>3Sensor (Door sensor, Exit Buttons, case sensor)</td> </tr> <tr> <td>d</td> <td>Output Port</td> <td>2 Relay (Electronic Lock, Alarm)</td> </tr> <tr> <td>e</td> <td>Card holder/events</td> <td>4,096/2048 (max)</td> </tr> <tr> <td>f</td> <td>LED Indicator</td> <td>Powerx1, COMMX1</td> </tr> <tr> <td>g</td> <td>LCD Display</td> <td>2 lines messages, 16 characters per line , with back light</td> </tr> <tr> <td>h</td> <td>Key pad</td> <td>15 keys 0-9, FI, F2, F3, CE, Enter</td> </tr> <tr> <td>i</td> <td>RTC</td> <td>Real Time Clock- Agreed</td> </tr> <tr> <td>j</td> <td>Beep Tone</td> <td>Buzzer</td> </tr> <tr> <td>k</td> <td>ID setting</td> <td>Software</td> </tr> <tr> <td>l</td> <td>Reader port</td> <td>ABA- Track2/Wiegand26x1</td> </tr> <tr> <td>m</td> <td>Barcode Type</td> <td>Resolution 0.15mm: Scanning speed ;100-1000,,/sec.</td> </tr> <tr> <td>n</td> <td>Comm. interface</td> <td>RS-232/RS-422/RS-485</td> </tr> </table>	a	Processor	8Bit	b.	Memory	128K	c	Input ports	3Sensor (Door sensor, Exit Buttons, case sensor)	d	Output Port	2 Relay (Electronic Lock, Alarm)	e	Card holder/events	4,096/2048 (max)	f	LED Indicator	Powerx1, COMMX1	g	LCD Display	2 lines messages, 16 characters per line , with back light	h	Key pad	15 keys 0-9, FI, F2, F3, CE, Enter	i	RTC	Real Time Clock- Agreed	j	Beep Tone	Buzzer	k	ID setting	Software	l	Reader port	ABA- Track2/Wiegand26x1	m	Barcode Type	Resolution 0.15mm: Scanning speed ;100-1000,,/sec.	n	Comm. interface	RS-232/RS-422/RS-485
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		o	Comm. Baude rate	9600 bps-N-8-1
	1.1	Power supply with power back- up with branded batteries. As per quantity of machines		
	2.0	CABLING.: 150M of RS485 including laying POWER AND COMUNICATION & Batton fitting		
	2.1	System is to be on TCP/IP		
	2.1.1	2000 Nos Thick " RFID' Cards: plain/		
	2.1.2	Printed overlays for employee personalization, Photograph of employee for 2000nos. Soft copy of employee data shall be provided by client for making new overlays.		
	2.1.3	Printed lanyard (Screen Printing) for 2000 nos.		
	2.1.4	Card Holder for 2000 nos.		
	2.1.5	SOFTWARE FORATTENDANCE DOWN LOADING . Multi- user version with client – server architecture SQL/ ORACLE backend.SQL server to be provided by the Railways.		
	2.1.6	Software Customization as per requirement of WRS- Kota		
Minor parameter	3.0	Lockable Wooden Boxes for Machines with teak finish and acrylic front.		
	3.1.1	Output Voltage: DC 5v 100mA/ DC12V 100mA (max.) for slave reader		
	3.1.2	Operating Voltage: DC 12v/1A		
	3.1.3	Power consumption: 5W (max)		
	3.1.4	Operating Temperature: o° C-50° C/32°F - 122°F		
	3.15	Relative Humidity: 20%-95% (Non- condensing)		
	3.1.6	Dimensions: Appx. 210mm (L)x150mm (W)X 28mm H		
	3.1.7	Weigh : Light		
Concomitant accessories		Battery Back Up: 36 Hrs or more (also there should be provision of		

		light indicator for Charging of battery.)
Optional accessories		Any operational accessories required to make the m/c's fully operational on installation when connected to power source must also be included in the scope of supply
Spares		Not required
warranty		AS per IRS Clause.
AMC		Two years after warranty
Training		Technical experts from the manufacturer will fully and adequately train the staff nominated by the consignee during commissioning.
Special if any required.		<p>* The Scope of machine will 10 Nos along with operating software including Two years warranty period and firm will provide next two year maintenance services (AMC) along with one operator(including warranty period)</p> <p>* The card readers and the backup power supply devices to card readers Should be housed in a suitable box/enclosure for protection.</p> <p>* The workshop will work in shift specified by the Railway Administration. Number of shifts and timings may vary later on. The soft ware should have the capability to entertain changesm</p> <p>* An employee shall be allowed to record his attendance from any of the badge readers provided in WRS. The badge readers/ software should have his feature.</p> <p>* Installation & commissioning of the equipments shall be covered in the scope of supply.</p>