

SCOPE OF WORK FOR BIOMETRIC

Read Carefully before submission of Quotations

Chandigarh police is inviting online applications from the candidates for recruitment in Chandigarh police. After the data entry the candidates in respective category a unique application form number is generated and candidate is taking two print outs of the application form. After affixing his/her latest photograph on one copy the same is submitted by the candidate in Police Lines personally or by post.

After closing of data entry all the application forms are scrutinized and complied with the database and the candidates are first called for physical efficiency test and physical Measurement Test. Candidates who are qualifying the PET/PMT are issued Admit card with randomly generated 6 digit roll number and called for written test on the schedule date at the venue according to seating capacity.

The data of all the applicants who had submitted their applications is made available in the computer. An application has been developed in house for issue of admit card. The user is entering the application number of the candidate who has qualified the PET/PMT, his/her entire information is displayed on the screen. Thereafter height, normal chest, expanded chest measurement, language in which the candidates want to have question paper is entered and the data is saved into computer. Thereafter, one admit card is printed and given to the candidate.

There is requirement to develop the application as mentioned above in addition to aforesaid requirement, Chandigarh police has decided to capture the photograph of the candidate take the impression of both index fingers of the candidate and save the same in the data base after installation of required device. Further the Photograph of the candidate should be printed on the admit card to be issued to the candidate on the spot and bar code or randomly generated roll no should also be printed on the admit card.

We are expecting 20000 to 22000 candidates will qualify the PET/PMT and they will called for written test at different venues. At all the examination centers we intend to install system to check whether the same candidate who has qualified the PET/PMT is appearing for the written test or not. For this purpose Finger print biometric devices have to be installed at each examination at entry gate and each candidate have to be verified by the staff within one hour time. The seating capacity of each examination center will be different.

When the candidate put his index finger on the biometric device, the system should check the database and entire information along with photograph should be appeared on the screen which will be complied by the staff and thereafter the candidate should be allowed to enter in the examination. If index finger impression is not matched with the database, system should give a message that "Check this candidate".

This process will also be followed during interview, Medical Examination, and joining etc.

The system should be designed/offered in such a manner that finger prints of 1500 candidates can be matched within 60 minutes. The requirement of Lap tops, Finger print devices etc. for different examination should also be worked out on rental basis.

The application along with required software should be provided within 10 days after confirm supply order.

One software/hardware engineer should be provided by the vendor during recruitment process for on the spot trouble shooting.

QUOTATION FORMAT

**QUOTATIONS FOR THE HIRING OF FINGERPRINT
BIOMETRIC/BARCODE SOLUTION FOR THE VERIFICATION OF IDENTITY
FOR APPLICANT IN THE RECRUITMENT PROCESS THROUGH MATCHING
OF FINGERPRINT**

1.	NAME OF THE FIRM	
2.	CORRESPONDENCE ADDRESS WITH TELEPHONE AND FAX NO	
3.	SERVICE TAX REGISTRATION	
4.	TECHNICAL SPECIFICATIONS OF THE SYSTEM ALONGWITH LITERATURE/BROCHURE	
5.	PROOF OF PAST PERFORMANCE WITH USER CERTIFICATE	
6.	LIST OF OWNERS/PARTNERS CERTIFICATION REG	
7.	WHETHER THE FIRM IS BLACKLISTED OR ANY CRIMINAL CASE IS REGIETERED AGAINST THE FIRM	
8.	ACCEPTANCE TERMS AND CONDITIONDULY SIGNED	

SIGNATURE OF THE VENDOR
WITH STAMP

TERMS & CONDITIONS

Quotations are invited by the undersigned from the reputed System integrator or Vendors dealing in the trade for providing Fingerprint biometric/barcode solution along with Scanners on rental basis for the verification of identity for applicant in the recruitment process through matching of fingerprint during the recruitment of 1200 candidates at the time of Physical Efficiency Test/Physical Measurement Test, Written Test ,Medical Examination and joining as per the requirement and specifications mentioned in enclosed Annexure-"A" and "B" . The detailed of project has been mentioned in the Scope of work mentioned above. .

The sealed quotations should reach to the Inspector General of Police, U.T. Chandigarh through registered post/Courier or these can be personally deposited at Computer Section, Ist Floor, Chandigarh Police Hqrs Sector 9-D. Chandigarh before 5.8.2010 upto 1 PM

Bidders are advised to quote their Rate after careful study of the required specifications as well as the following terms and conditions:-

The Sealed quotations should reach this office by 5.8.2010 upto 1 PM positively.

- 1) Quotations received after given time will not be accepted.
- 2) Incomplete quotations will not be accepted.
- 3) Vendor must quote the net price both in words as well as in figures. Any over writing/cutting etc. render the tender invalid.
- 4) Vendor would not be permitted to alter or modify their quotations after expiry of the deadline for depositing the quotations.
- 5) The quoted price must be including of service tax and all other taxes. Nothing over and above the quoted price would be payable.
- 6) The firm whose rates are accepted by the department declared L-1 will have to deposit Rs. 1 Lakh (one Lakh only) as Security Money in the shape of Bank Draft/ Bank Guarantee/FDR in favor of Inspector General of Police within two days before the supply order is placed to the firm. In case short listed firm fails to deposit the security money, the supply order will

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be cancelled without assigning any further reason. The Security Money shall not bear any interest. The security will be released after completion of the entire project to the entire satisfaction of purchaser.

- 7) In case, the short listed firm does not complete the prescribed job within the stipulated period given by the Department, the services will be hired from open market and the difference of the cost, if any, will be recovered from Security Money and action will be initiated to blacklist the firm.
- 8) The vendor will have to bear the cost of damage to the Fingerprint biometric/barcode solution offered that may occur due to storm, fire, rain, natural calamities and any other unforeseen circumstances.
- 9) The contractual firm will depute his representative, who will remain present to ensure proper working of the system during PET/PMT which will start in the first week of Sep. 2010 and will continue for one month and thereafter during written test, interview, medical examination of the candidates and joining.
- 10) The purchase committee, in order to satisfy itself can order on the spot enquiry to verify the soundness, capability, viability and any other information given by the tendering firms.
- 11) The date and location for installation of Fingerprint biometric/barcode solution for the verification of identity for applicant will be finally intimated seven days before the commencement of the written examination. Detail of candidates appearing for written test will also be intimated to the vendor seven days before and accordingly, vendor have to arrange and install the biometric devices at each examination Center keeping in view that Finger printers of all the candidates reporting at that particular examination center should be matched within 1 ½ hours time.
- 12) The purchase committee, in order to satisfy itself can order on the spot enquiry to verify the soundness, capability, viability and any other information given by the tendering firms.
- 13) The Contractual firm will ensure to deliver all the biometric devices in working order one/two days before the commencement of written test and all the necessary software data should be properly transferred into the computers to be deployed at Examination Centers. Stand by devices should also be placed at the disposal of Chandigarh Police for which no rent will be paid to the firm.
- 14) The rates will be valid till the contract is completed, in all respect.

- 15) The quantity of Biometric devices can be increased or decreased, at any stage till the completion of contract. Therefore vendor should quote the price of one set
- 16) The 60% payment will be made after completion of written examination 20% after Completion of Interview and balance payment will be released after joining by the candidates.
- 17) A copy of terms and conditions duly signed by the vendor, as a token of acceptance of the same should be attached along with the quotations.
- 18) The Purchase Committee reserves the right to relax any terms and condition in the govt. interest.
- 19) All disputes are subject to the jurisdiction of the Courts in the Chandigarh.
- 20) The vendor will be rejected straight way without assigning any reasons if the firm involves in any criminal cases, declared black listed by any Govt/Semi govt. department/agencies etc.
- 21) In case of any difference between firm and department, show cause notice will be issued and explanation will be called. If the reply submitted by firm is not found satisfactory, action as per law and rules will be taken against the firm.
- 22) In case of violation of any terms & conditions, the firm can be called for negotiation to patch up the matter amicably prior to approaching the court.
- 23) Technical committee can ask to the bidder to demonstrate their products as per scope of work defined for this project and quoted in their quotations for assessing its suitability/compatibility as per requirement of the department.

CHAPTER – 3
Schedule of Requirement for Biometric Fingerprint Matching Application

Sl. No.	Description	Qty.
1.	Lap top of minimum Pentium-IV with Biometric Fingerprint scanner and matching software, bar code reader including full battery back up to match the required number of candidates at each examination center.	As per the requirement
2.	Providing trained manpower during all the events. This not biding upon the Chandigarh Police to hire the manpower keeping in view the number of devices.	As per the requirement

The minimum requirement of above devices is 100 sets which can be increased . Therefore vendor must quote the price of 1 set of devices per day and the total cost will be worked out depending upon requirement by the department.

REQUIRED TO BE SUBMITTED BY THE VENDOR ALONG WITH QUOTATION

ANNEXURE-“B”

TECHNICAL SPECIFICATIONS			
S. No	Specifications	Conformance Yes/ No	Deviation if any
1.0	General Requirements		
1.1	Chandigarh Police intends to use fingerprint biometric application for the verification of identity for applicant in the recruitment process through matching of fingerprint as per scope of work enclosed herewith.		
1.2	The requirement of terminals will vary at different stages of recruitment. The vendor must provide equipments as per the requirements arise during recruitment process. The recruitment shall be conducted at one location but the written test will be conducted at different locations in Chandigarh keeping in view the strength of candidates qualified in the written test.		
1.3	Chandigarh Police will provide Hardware, UPS and networking during PET/PMT. Vendor have to provide 2 technical persons for on the spot trouble shooting.		
1.4	Different stages of the Test:- a) Physical measurement Physical Efficiency test b) Written Test c) Interview and on selection d) At the time of Medical e) Joining in the department.		
1.5	Requirement during Physical measurement and Physical efficiency Test. Finger prints as well as Photograph of successful candidates will be captured and stored in computers during PET/PMT which will be carried out in open ground. The Devices will be used in the dusty environment. There can be 4 counters in recruitment		

	<p>cycle in Physical Efficiency & Measurement (PET/PMT) for the collection and storage of right and left hand index finger impression of the applicant in the database. If both the index fingers are not usable then device should be able to store any finger/thumb having clear marking. Database as mentioned in the scope of work will be provided by Chandigarh Police. All captured data with respect to biometrics will be stored against the relevant applicant field in the database. Each admits card (design to be finalized by Chandigarh police) with detail of the candidate and photograph shall have bar coding of the random roll number to be generated by the system.</p> <p>Any change required in the database structure to store finger prints in the database will be done by the vendor after consultation with Computer section of Chandigarh Police. The database is available in DBF /MDB format and vendor have to export the data as per requirement. Vendor is also liable to provide data and reports to Chandigarh Police as per required format.</p>		
1.6	<p>Written Test, Interview and joining the department</p> <p>All captured data at the time of PET/PMT test will be utilized when the qualified candidates will come for the written test. The supervisor Officer at examination center will call the candidate one by one to the designated place and on reading the roll no. of admit card through bar code reader provided by the bidder the software will retrieve and show the record fields against the Roll Number including the photograph of the candidate. The Candidate will be asked to put his/her index finger on the finger print scan device provided by the bidder. The system will show the result of 1:1 matching. If photograph and finger prints are matched then candidate will be allowed to enter in the examination Center by the supervisor.</p> <p>The computer, device and software speed should be good enough to ensure matching result within 5 seconds after putting the finger on biometric device.</p>		
1.7	<p>Quality of scanning:-</p> <p>Finger print device should able to reject bad quality prints.</p>		
1.8	<p>Reserve hardware :-</p> <p>The bidder will keep minimum one workstation as reserve in every location and maximum 10% of the</p>		

	total provided.		
1.9	Reports:- System should able to generate statistical as well as detailed reports of total no's enrolled, verified and rejected.		
1.10	Training:- Thorough training will be imparted to all the users of Written test for each workstation by the bidder where these devices will be placed for use, during written examination enabling them to match the finger print of the candidates.		
1.11	Transportation:- Transportation of all equipments from vendor location to police lines will be the responsibility of vendor and thereafter from Police Lines to the examination venue transportation will be arranged by the Chandigarh Police		
1.12	Manpower:- The bidder will provide two engineers during PET/PMT which will continue for one month for on the spot trouble shooting in the software to be provided by the vendor. Chandigarh Police will provide its own manpower during written test at all the examination centers for which vendor have to impart proper training to handle the devices. During Interview and at the time of Medical and joining vendor will also provide man power. But during written test maximum number of engineers will be provided by the vendor for on the spot trouble shooting at any examination Center. The number of setup required will vary from 100 depending upon number of examination centers to be set up by Chandigarh police.		
2.0	Device Features:-		
2.1	The device should able to do 1:1 matching. Biometric device should recognize fingerprints when index finger is placed on the device. Fingerprint Sensor should be optical having capability to plug & play with wet or dry capability.		
2.2	Software features <ol style="list-style-type: none"> 1. Login and log out details 2. Scanning, storage and matching of finger prints 3. Software should automatically integrate with bar code reader. 4. FAR should be 0.001 %. 		

	<p>5. FRR should be 0.01 %</p> <p>6. Generate Random 6 Digit Roll number for Each candidate who will qualify the PET/PMT</p>		
2.3	<p>Printer:-</p> <p>There will be a requirement of Printer with every workstation placed during PET test which will be provided by Chandigarh Police. All consumables, stationery for printing of admit card will also be provided by Chandigarh Police</p>		

2.4	<p>Fingerprint Device features</p> <p>Size of window Thick Crown Glass better Resolution Fingerprint Sensor Image grey scale Capability finger Scanning time Distortion rate Computer interface Operating temperature Environmental humidity Film Coating</p>	<p>>15mmX20mm Thickness of 14 mm or 500 DPI or better Optical type 256 level or better To read dry and wet <0.01S <1% USB2.0 0 – 55 Degree C Up to 90% Hygroscopic</p>		
2.5	<p>Bar Code Device features</p> <p>Scanning speed : second Color : black as well) Scanning dimension : Breadth)</p>	<p>minimum 50 scan per Gray (able to scan 12cm x 5cm (Length x</p>		

Signatures

Name of the Firm

Address

Company Seal

Phone No

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PROFORMA FOR PRICE SCHEDULE FOR HIRING OF FINGERPRINT BIOMETRIC APPLICATION FOR THE VERIFICATION OF IDENTITY FOR APPLICANT IN THE RECRUITMENT PROCESS

To be submitted on the letter head of the firm

Sl. No.	Description	Rates Offered inclusive of all taxes
1.	Rent of Lap Top, Finger Print Scanner and Bar Code Scanner per day	
2.	Charges for per Person trained manpower	

Signatures

Name of the Firm

Address

Company Seal

Phone No