

### Event Details

Event No:SPMCIL/Currency Note Press Nashik/IT/2/22-23/ET/92[ANPR SYSTEM]				Event Status
Trade:Goods				Event Activated
Description of Event:ANPR SYSTEM				Activities
Mode:E-Tender_HTML	Type Of Tender: Open	Bid Submission: Eventwise	Public Opening: YES	Tender Extended on: 2022-07-19-16.52.17.208178 Tender Opened on: - Price Opened on: - Event Cancelled on: -
EMD:24000.00 Tender Fee:Not Applicable Estimated Value:1183540.00		Document Upload:YES Coverwise Document Upload:YES		

Online Pre Bid Meeting	Bidding Period	Tender Opening Period	Price Bid Opening Date
Not Applicable	18.06.2022-11:00 AMTo05.08.2022-02:30 PM	05.08.2022-02:31 PMTo05.08.2023-02:31 PM	-

### List Of Tender Document

SL. No.	Document Details	Document Type
1	22-23-ET-92[ANPR SYSTEM]-167282-NIT-1124693-6000017466SIGNEDPDF.pdf	NIT

### Vendor Document Upload Checklist For Technical COVER

SL. No.	Document Details
1	ALL THE REQUIRED DOCUMENTS AS PER SECTION IX ELIGIBILITY CRITERIA OF TENDER DOCUMENTS
2	DULY SIGNED AND SEALED TENDER DOCUMENT AS PER INSTRUCTIONS PROVIDED IN THE VARIOUS SECTIONS

### Tender Committee Members

Name	Designation	Office	Department	Email	Mobile No.	Encryption public key expiry date
VUPPALA KIRAN KUMAR	Jt. General Manager	Currency Note Press Nashik	Purchase,HR,Technical,Finanace,IT, Marketing,R and D,Others	V.Kirankumar@spmcil.com	9096000418	2022-08-22 00:00:00.0
TUSHARKUMAR PRAKASH MAHAJAN	DGM	Currency Note Press Nashik	IT	tushar.mahajan@spmcil.com	8275022966	2022-08-22 00:00:00.0
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### Common Terms

#### TECHNICAL SPECIFICATION

Sl.No	Terms	Component
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1	<p>A. SCOPE OF WORK</p> <p>1.The scope of work in this specification includes Design, supply, assembly, installation, testing, erection, integration and commissioning software integration, training and performance testing of the complete ANPR System ON TURN KEY BASIS.</p> <p>2.The firm will have to carry out detail engineering, preparation and submission of all drawings as specified in this specification including preparation and submission of area wise bill of materials, layout and erection drawings showing location of all system equipment and components, power and data cables for IP network, cable trayrack and conduit routing.</p> <p>3.It shall include SITC on Turn Key basis of all accessories including secondary power supplies for back up and fail safe operation i.e. hardware, software, supports, data cables, UPS, storage and retrieval media, viewing stations, servers, CAT 6 cables, O.F cable, markers, power cables conduits, software and software integration, earthling to the equipment, mounts, structures, etc. as required for the satisfactory operation of the system.</p> <p>4.This will include fixing of camera using suitable camera mount as per site requirement complete with required civil and fabrication works, creating backbone for the system by laying the required data and power cables cable laying terminationsplicing of all cables, fixing of cable trays, conduits, installation and commissioning of all items supplied under ANPR system as required basis.</p> <p>5.Mounting installation of Servers, Racks</p>	Agree Only
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recording storage devices, viewing stations and connecting to network 6. Mounting and Installation of LED Screen and connecting them with operator workstation.

7. Installation and configuration of Core Switch, Access Switch and all active, passive components. 8. Integrating the whole system for optimum performance. 9. The proposed Cameras will be installed on dedicated poles. The cameras to be installed using proper mounting brackets and pipes duly painted and finished complete with Fasteners, clamps to support the required load. Supply Erection of poles is under scope of Supplier. 10. Erection and commissioning of networking e.g., cables UTPOFC thru conduit cable tray, network panels, switches, enclosure, switch media converter, LIU, patch cords etc. 11. The firm shall bear full responsibility for all kinds of maintenance which include periodic maintenance as well as attending to all break-down and emergency calls at short notice whenever called during the Warranty period. 12. All the software s supplied shall be licensed software s. 13. Providing Application software OEM copies along with license keys and passwords. 14. The Warranty period for complete system shall start from the date of issue of Final Acceptance Certificate. 15. All flexible cables shall be laid in GIPVC Casing Capping Industrial conduits flexible PVC conduits with proper markings.

16. Installation and configuration of all the software s e.g., ANPR Software, Data Base

Software, OS, Workstation Software, Client View Software etc. Configuration e.g., related to VMS Video analytic software, demonstration of functionalities, operation and maintenance procedure, handing over, end user training etc. 17.The firm will have to Supply install Test and commission Earthling system for the ANPR System. Earthling pit with all required items for proper earthing as per IS Standards. 18.All the cabling of new ANPR System shall have separate identification markerscables tags of permanent nature with clear marking for easy identification of the individual camerazonecabling. 19.All the cabling, conduit and installation shall be laid as per relevant standards or practice in vogue and shall have aesthetic look. 20.Identification tags to be installed on each cable. 21.Any additional equipment, components and/or changes in design of equipment to fulfil the operational requirements, even though not explicitly mentioned shall be under the scope of bidder. 22.The bidder has to carry electric work and all electrical components to be supplied installed shall have ISIBIS marks and heavy duty to work in industrial environment. 23.Civil Works : Any civil works to meet the system requirement would be under the scope of supplier such as but not limited to aCivil works involved in laying of cables underground bFabrication, fixing support for camera mounts, poles etc. cAny damage to false ceiling civil structure etc. during the execution of work the firm has repaired the same without any additional

cost. 24.Cables shall be laid in underground trenches, ducts, channels, tunnels, on racks, trays, in HDPE pipes along structure or buildings as per the site conditions. The cable shall be laid in underground trenches through GI pipe specially when laid through rail crossing, road crossing, hard standing etc. 25.All required power wiring etc. from the Centralized UPS room for the system is under the scope of supplier. All electrical works for the same is under the scope of supplier. 26.LAN Management like Switch configuration, router configuration if required will be under the scope of supplier. 27.The ANPR System shall be able to capture image of driver of vehicle along with number plate of vehicle 28.Firm may visit site of installation to learnunderstand the requirement. 29.The system should suitable to capture number plate of any type of vehicle from motorcycle to commercial truck.

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**B. TECHNICAL SPECIFICATION:**

- 1.The ANPR System need to be functional on 24x7 basic i.e. 24 hours all the days and need to have record retention period as defined in this document.
- 2.The ANPR system needs to be installed at Main Gate of Currency Note Press.
- 3.All cameras shall be IP based Full HD with Night Vision IR as per specs.
- 4.The offered system shall allow for expansion in future through off the shelf(OTS) available hardware and not any proprietary hardware.
- 5.System shall be pentacle i.e. it should provide facility of Viewing, Recording & Replay, backup/ transmission and remote access simultaneously over the same network. The offered system shall have facility to export the desired portion of clipping (from a desired date/time to another desired date/time) on CD or DVD or USB Stick or External HD. Viewing of this recording shall be possible on standard PC using standard software like windows media player etc.
- 6.Design, Supply, Installation, Testing & commissioning of ANPR software and 90 days storage capacity.
- 7.The proposed solution should allow CNP Official to locally & centrally monitor facilities from a remote location over LAN on a portable/Fixed Personal Computer.
- 8.The system should be designed in a manner that operational data is not lost in case of any failure of equipment or communication network.

Agree Only

9.The system should have the capacity of functioning 24x7 days in Indian Conditions.

10.The camera shall be designed for commercial/industrial 24x7x365 use based upon standard components and proven technology using open and published protocols. The camera provided shall be backed by a minimum of 3 years manufacturer warranty.

11.After commissioning the system, the same shall be demonstrated for all its capabilities to the relevant user department to make them familiar with the system on mutually agreed dates.

12.Once the supply order is placed, it will be the vendors responsibility to make the project functional. Any additional cost incurred for completing the project and for which the vendor has not anticipated at the time of submission of the final offer will be borne by the vendor

13.Bidders should share all the relevant firmware/OS/Patches etc. as and when they are released by OEM during entire warranty.

14.UPS backup for whole system with 1 hrs back-up time. Providing battery is under scope of supplier.

15.All the fitting and fixtures for IP camera, their cabinet, pole mounts, pole etc. at specified locations, workstation computers, UPS fitting will be done by firm only as per the instruction of CNP officials.

16.The bidder shall provide storage capacity as per the above. If the offered storage capacity is found to be insufficient at any



	<p>point of time, the bidder shall provide additional storage without any additional cost.</p> <p>17.System should have provision to integrate with CCTV VMS and Boom barrier</p>	
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C. ITEMS SPECIFICATIONS

ANPR Camera  
Interface IP Camera Industrial Grade  
Image Sensor 1/3 CMOS or better.  
Progressive Scan  
Resolution 2mp or more HD  
Autofocus Lens varifocal 5-50 mm CS-Mount motorized focus and zoom lens (remotely it can be done) or better  
Video compression H.265, H.264, MJPEG.  
Frame Rate 25-30 fps or better.  
Day/Night Operation True Day/Night capability with auto IR-cut filter.  
Night Vision IR (Infra-Red). IR Distance - 30 meter or more. Inbuilt IR  
Min illumination Color 0.05 lux & B/W 0 lux or better  
WDR Yes. 120 dB or better. True WDR  
Noise Reduction Yes.  
Ingress Protection Rating IP66 or more.  
Along with all accessories, mounting and housing to safeguard from dust and chemical and fumes. All are IP66 rating or better  
Compatibility/Interoperability ONVIF compliant. ONVIF Profile S/G.  
Network Connectivity IP Based.  
Protocols TCP/UDP/DHCP/HTTP/HTTPS/NFS/FTP/UPnP/DDNS/NTP/SNMP/SMTP/CoS/RTP/SRTP  
Operating Temp. 0 to 60 degree Celsius.  
Operating Humidity Humidity 10% 90% No Condensation  
Make Axis, Sony, Pelco, Samsung, Honeywell, Tyco, Bosch or equivalent better  
Certification UL/ CE/ FCC  
Cyber Security Password protection, IP

Agree Only

filtering, HTTPS encryption, NAC and audit logs

Driver Image

Camera

Interface IP Camera Industrial Grade

Image Sensor 1/2.8 CMOS or better.

Progressive Scan

Resolution 2mp or more HD

Autofocus Lens varifocal 5-50 mm

motorized focus and zoom lens (remotely it can be done) or better

Video compression H.265, H.264, MJPEG.

Frame Rate 25-30 fps or better.

Day/Night Operation True Day/Night capability with auto IR-cut filter.

Night Vision IR (Infra-Red). IR Distance - 30 meter or more. Inbuilt IR

Min illumination Color 0.05 lux & B/W 0 lux or better

WDR Yes. 120 dB or better. True WDR

Noise Reduction Yes.

Ingress Protection Rating IP66 or more.

Along with all accessories, mounting and housing to safeguard from dust and chemical and fumes. All are IP66 rating or better

Compatibility/Interoperability ONVIF compliant. ONVIF Profile S/G/T.

Network Connectivity IP Based.

Protocols TCP/UDP/DHCP/HTTP/HTTPS/NFS/FTP/UPnP/DDNS/NTP/SNMP/SMTP/CoS/RTP/SRTP

Operating Temp. 0 to 60 degree Celsius.

Operating Humidity Humidity 10% 90% No Condensation

Make Axis, Sony, Pelco, Samsung,

Honeywell, Tyco, Bosch or equivalent better CertificationUL/CE/ FCC

ANPR System/Software along with client station software

Make & Model\*

Open InterfaceThe software shall operate on open architecture and shall be ONVIF Compliant.

System Should be able to integrate with the Video Management Software

The software shall able to monitor and recognized the number plate and driver photo in bi-directional vehicle flow at desired locations/Gates of Currency Note Press, Nashik

The system should and able to process and read number plate and driver image of vehicles with speed even up to 25 kmph.

The system in general shall capture Vehicles License Plate, Driver Face, and Vehicle Color.

The system shall be robust to variation in license plates in terms of font, size, contrast and color and shall work with good accuracy.

Multi-Lane Detection and able to detect more than one vehicle simultaneously

The system shall able to monitor and capture information from vehicle flow in both direction (IN and OUT movement at Gates)

Record RetentionRetention Period for Captured Images shall be 90 days.

The system shall be operational 24x7 basis

The system shall support real-time detection of moving vehicles (25 kmph) at the Gates,

recording each vehicle at the Gates, reading and capturing its number plate, driver face, vehicle color, database lookup for no. from stored list and generate alarm/events as configured.

The system should automatically detect a vehicle in the camera view using video detection & activate the license recognition system.

The system shall perform OCR (optical character recognition) of the license plate characters for all types of vehicles (Two-Wheeler/Three-Wheeler/4-wheeler/Trucks/Lorry/Multi-Axle Vehicles etc.)

The system processing should be in real time i.e. recognition of license number plates shall happen instantaneously.

The System shall store High Quality JPEG image of vehicle and license plate and enter the license plate number into data base solution (The Application should be based on standard database solution) The captured OCR result and the image of (non) standard Number Plate should be displayed simultaneously. The picture should be stored with retention period of 90 days.

The system shall be robust to variation in License Plates in terms of font, size, contrast and color and should work with 90% accuracy in Standard Number plate and 75% accuracy in non-Standard Number plate

The system shall detect the color of all vehicles in the camera view during daytime /nighttime and label them as per the predefined list of configured system colors.

The system, will store the color information of each vehicle along with license plate information for each transaction in the database

SearchingThe system shall have options to search historical records for post event analysis by the vehicle color or the vehicle color with license plate and date time combinations.

The system shall provide advanced and smart searching facility of license plates from the data base. Searching by giving specific number/number in wild card format/, dates, vehicle category etc.

The system should have option to input certain license plates according to the hot listed categories like "Lost" "Wanted", "Suspicious", "Stolen", etc. by authorized personnel.

On successful recognition of the number plate, system should be able to generate automatic alarm to alert the control room for vehicles which have been marked as "Lost", "Wanted", "Suspicious", "Stolen", "Expired". (System should have (provision/expansion option to add more categories for future need)

The system Shall enable easy and quick retrieval of snapshots and other data for post incident analysis and investigations.

The system usage shall be privilege driven using password authentication.

LicenseInclusive of all requisite licenses.

License validity Perpetual.

All required Camera, Client, Software s,

Analytics, Database, OS etc. license for complete operational system is to be provided under the scope of supply.

Reports1)Generate LPR reports in pdf, excel format with license plate information, a license plate close-up image and divers image. Reports can be extracted based on date and time, LPR event list report, match list report.

2)MIS Reports such as

a.Report of Vehicle Flow at each gates during last day or b/w two dates.

b.List of vehicles detected in each categories (Cars/Two Wheeler/HCV/LCV) b/w two dates and at particular gates.

3)The system shall have option to save custom reports for subsequent use.

4)Able to export report in PDF and Excel. Match ListUnrestricted number of match lists for correlation of recognized license plates (examples: employees, guests, stolen vehicles, VIPs).

Supports custom data as complement to license plate information, such as owner details, driver name, type of vehicle

Action upon EventsSaves time by automating manual actions. Events can be generated on actual recognition or match with a specific match list. LPR events can for example control cameras, external peripherals such as boom barriers and gates or generate alarms

Export & ImportExport and Import functionality of bulk data such as importing Employees Vehicles License Plate

Information and exporting of list of license plate information captured by system in a day/week/month etc.  
No. of Clients station10 or more  
LoggingSystem, Event, Audit, Alarm logging  
User Audit logging  
Back upThe system shall provide back of storage in case of hardware failure equivalent to main storage  
Audit TrailThe system shall provide User activity log (audit trail) with user id, time stamp, and action performed, etc.  
The administrator should be able to add, edit & delete users with rights. It shall be possible to view ability / rights of each user or the cameras which can be viewed & controlled as per the permission assigned by the administrator.

#### LED DISPLAY MONITOR

Screen Size42 inches diagonally or more  
GradingIndustrial grade running 24 x 7 365 days  
Resolution1920X1080 Minimum  
HDMI2 ports or more  
Sound10W+10W or more  
This display unit shall be used for displaying multiple cameras in conjunction with viewing workstation  
Display Control Monitor control on screen display programmable with remote  
USB PortYes  
Operating Temp0-55 degree Celsius  
SignalPAL/NTSC  
MakeLG/SAMSUNG/PANASONIC/TOSHI



BA equivalent

24 Port L2 Network Switch

Industrial Grade

Make CISCO/JUNIPER/DELL/HP

equivalent

Model\*

Layer 2 functionality Yes

Physical Port 24 nos. 10/100/1000 copper ports

POE/NON-POE As per system requirement

Auto Negotiations Yes, for port speed & duplex mode

Management CLI, GUI, USB interface for taking backup of software release files configurations, Digital optical monitoring, Time Domain Reflectometry/ equivalent, DHCPv6, DNSv6, Telnetv6 and SSHv6, NTPv6 client and server, RMON 4 groups, SNMPv3, LLDP-MED, IEEE 802.3az, IPv4 and IPv6 support

Security Should support ACL, SSL, Private VLAN

Performance The switch data throughout performance shall meet the overall system requirement proposed by the bidder.

Multicast features Yes

Use IP Surveillance

Electrical Approvals and Compliances

The switch shall Comply with the all national & international standards like EN, IEC & IEEE (IEC 61850 & IEEE 1613 Complaint)

Rack Mount Yes, with all accessories

3 KVA or more ON-LINE Un-Interrupted Power Supply (UPS)  
Make APC / EMERSON / DELTA / NUMERIC Onfiniti  
Model\*  
Capacity\*  
Input Voltage: 230V AC 50Hz  
Battery Backup 1 hours at full load  
Battery type Sealed Maintenance free lead acid battery of reputed make.  
Configuration Controlled full wave rectification  
Protection Input under voltage and Input over voltage

36U Rack

Make APW/ Panduit/ Val rack or equivalent  
Model\*  
Type 36U Floor Mount  
Cable Tray Yes  
Door Perforated/Toughened Glass  
Side Open/Side Panel Yes  
Lock Yes  
Ventilation Top with FAN 4nos.  
Keyboard Tray Yes  
4 Leveling legs Yes  
4 Wheels Yes. Lock position for wheels  
Cable Entry Provision Top/Bottom  
Others with all standard accessories including Fans, hardware, cable managers, electrical sockets with on/off Switch and LED Indicators, 10 socket power strip on both side.

	Monitor StandStand/lever to place Monitor Workstation Client for ANPR Form FactorTower PurposeWorkstation for Monitoring ProcessorLatest Intel Core i7 Processor RAM8 GB HDD2 TB Backup drive 2 TB Monitor32 LED CabinetTower MakeHP/DELL/equivalent	
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**D. SUBMITTALS & DOCUMENTATION**

Agree Only

1. Extensive documentation shall be provided on installation, operation, administration, programming details and maintenance of the various equipment. Three complete sets of hard copy & soft copy should be provided. The documentation shall necessarily cover the following:

- 1.1 User, operation, administration and maintenance manuals (3 sets).
- 1.2 System configuration sheet for System, Switch etc. (3 sets).
- 1.3 Installation drawings, wiring charts, layout of cables etc. (3 sets).
- 1.4 User and technical manuals of the items (1 set).
- 1.5 System test plan, calibration reports, preventive maintenance charts etc.
- 1.6 Bill of Materials
- 1.7 Test Certificates, Internal test reports etc.
- 1.8 Software media along with license of all software s such as DB Server, OS License, Firmware.
- 1.9 One HDD containing all media and executable, API documentation, SDK & software.
- 1.10 Recovery disc of systems, if any.

**E. INSTALLATION, COMMISSIONING**

1. The whole project is required to be completed on Turn- Key basis. Accordingly, Bidder is understood to have assessed and quoted for all the items required for successful completion of the Project. It will

be the responsibility of the Bidder to provide such items on free of cost basis which are not quoted in the bid but otherwise required at the time of installation for completion and successful commissioning of the

2.The successful Bidder shall offer the services of an installation Team which shall be responsible to install and commission the entire system. The whole project will be carried out directly under the supervision of OEM s / Authorized representative s technical team.

3.Installation & Commissioning shall be treated as complete after installation of all the systems and sub-systems and issuance of FAT certificate.

#### F.TRAINING

1.The contractor shall impart training to CNP Staff / CISF Security personnel at site for complete operation of the equipment and software.

2.The contractor shall impart training to CNP Staff at the site for operation & maintenance of the equipment/system/servers etc.

#### E. SAFETY

1.The firm Agencies to whom the job has been assigned by CURRENCY NOTE PRESS, NASHIK will be primarily responsible for ensuring safety of all their employees working under them while they work inside Factory premises of the respective units.

2. The firm Agencies to whom the job has

been assigned will be responsible for any act of the Contractor, which amounts to contravention of any provision of the Factories Act, 1948 and the respective Factories Rules under the Act.

3. Electrical connection will be taken only with the written permission from the respective units. Any unauthorized connection which is found to be of imminent danger to the safety of the employees will be disconnected immediately.

4. Every Contractor will ensure that their employees do NOT SMOKE inside the factory premises

5. Every Contractor will ensure that the Hand Tools, other Equipment s, Ladders etc. are maintained in good working condition and will also ensure that they are safe and free from risk to the employees and their health.

6. All the machines brought by Contractors for their work should be properly guarded/ maintained in proper condition for their safe working.

7. For Working at Height, Welding Work, Gas Cutting work, Excavation Work, Working on Fragile Roof, Working on Electrical Lines or work of similar nature, the Principal Agencies and the Contractors will inform the Safety Department of the respective units in advance. In each case the PERMIT TO WORK (Blank Format) will be obtained by the Principal Agency / Contractor from Safety Department of the CNP.

8. All the Contractors will arrange for

MEDICAL TREATMENT of their employees in case of serious injury.

9. All the lifting machines, lifting tackles, chains, ropes, pulleys etc. will not be allowed to be used inside the Factory unless they are thoroughly examined and certified by the Competent person (as per Factories Act,1948) once in every six months. Such certificate(s) should be produced to the respective units before taking them inside the Factory.

10. In case of any accident, the Principal Agencies and the Contractors will arrange to inform it to Safety Department of CNP immediately. They will also arrange to fill up the necessary forms and provide any information, as required by the CNP for submitting the same to the Industrial Safety & Health Dept. (i.e. concerned Inspector of Factories).

11. Safe use of electricity will be responsibility of the Principal Agency and their Contractor.

12. Proper Earthing should be provided to the Main Switch

13. The source for tapping electrical supply will be shown to the Contractor. He will provide separate main switch, wires and cables of suitable capacity for welding set as per electrical load of the equipment. The wires/cable should be without joints.

#### F.SECURITY

1. The contractor should scrupulously conform to the safety and security norms as stipulated by CNP while working in the security area.
2. The contractor shall take all the precaution while executing this work. Protective gear such as safety helmets, boots, belts etc. shall be provided by the contractor at his own cost to all his workers at site. It shall be the responsibility of the contractor to ensure that such protective gear is worn at all times by all personnel working at site. CNP shall have the right to stop any person not wearing such protective gear from working on the site.
3. CNP is a security organization and the Govt. declares the premise as Prohibited Area. Hence the contractor has to abide by the security rules of the Company. The contractor has to ensure the character and antecedent of the persons deployed. The contractor must be in a position to produce such documents whenever he is asked to do so. Details shall be furnished as per format when called for. The contractor has to issue printed photo identity card to its workers duly authenticated by the designated security officer of the Company. Contractor should apply for Gate Pass for labours, welding permission and material entry pass etc. as per approved format only, well in advance to avoid any delay in issue of Gate passes
4. While applying for pass, contractor must enclose copy of address proof (Voters ID card or ration card or driving license or passport etc.), for all the workers for which



gate pass has been requested. The details shall be submitted in the prescribed format available from CNP.

5. On award of the contract the contractor shall sign the Non-disclosure format and abide with that.

6. Any worker of the contractor, if found by the Company as unsuitable or having doubtful integrity, shall be removed from the premises at the risk and cost of the contractor. The contractor shall vouch guarantee for the integrity of its workers.

#### G.SECRECY

1. All maps, plans, drawings, specifications, schemes and the subject matter contained therein, and all other information given to the VENDOR by CNP shall be held confidential by the VENDOR, and shall remain the property of CNP and shall not be used or disclosed to third parties by the VENDOR for any purpose other than that for which they have been supplied or prepared. All such drawings and documents shall be returned to CNP upon completion of the work under the contract.

2. No copies, duplication, Photostat shall be retained by the VENDOR without the written consent of CNP. The VENDOR may disclose to third parties, upon execution of secrecy agreements satisfactory to CNP, such part of the drawings, specifications, or information, if such disclosure is necessary for the performance of the contract.

3. Maps, layouts and photographs of the plant including its surrounding regions

showing the vital installation for national security of the CNP s country shall not be published or disclosed with the third parties, or taken out of the country without prior written approval of secrecy agreement satisfactory to the CNP with such third parties prior to disclosure.

#### H.FINAL ACCEPTANCE TEST & CERTIFICATE

1. Complete Supply and Installation as per specification and scope.
2. Complete documentation and license and media handover.
3. Checking of all features under working condition.
4. Trouble-free operation for 3 months. 3 months is to check the storage size is as per retention period of 90 days.
5. Completion of work after following all standard safety and environment norms.

#### I.WARRANTY

1. Complete system and its all components will be under warranty for 03 years from date of issue of final acceptance certificate including all consumables such as Battery, CMOS, UPS Battery etc.
2. During Warranty, Bidder shall maintain the system so that it is operational and running round the clock.
3. The contractor shall provide Guarantee that every work executed under this contract shall be free from all defects and faults in materials, workmanship etc. and shall be of the highest grade and consistent with

established and accepted standards for materials and workmanship of the type ordered and full conformity with the specifications and equipment shall satisfy its intended use.

4. Workmanship and operation of all the equipment, accessories etc. supplied by the contractor shall be under warranty for a period of minimum 36 months from the date of taking over the system / issue of acceptance certificate of the system by the CNP at the site as mentioned in specifications. Contractor shall also provide the total maintenance of the equipment / systems during warranty period at site.

5. It shall be obligatory on the part of contractor to modify and/or replace any hardware and modify the operating, application and diagnostics software free of cost, in case of any malfunction is revealed during operation after taking over within the warranty period. Also, the contractor must do corrections and up gradation of the software during warranty.

6. During warranty , the Contractor has to deploy one service engineer on call basis from the date of handing over/final acceptance of the at CNP for assisting in smooth operation/maintenance/use of the system by various users and also for customizing configuration by way of proper selection existing software/hardware features of the complete SYSTEM. The service engineer shall visit quarterly to check the health of the system and do maintenance work of the System.

7. Supplier / Contractor shall periodically carry out Routine Preventive maintenance (Preventive Maintenance every 3 months) for the entire warranty. The service engineer(s) so deputed shall be qualified and fully conversant with the operation and maintenance aspect of the system and sub-systems of other vendors (e.g. switches, Workstations, UPS, Cameras, Racks etc.) supplied against this tender/purchase order. Report of periodic maintenance is to be submitted with CNP.

8. Any breakdown of the system or part of the system shall be attended immediately and resolved within a period of 24 hours for major equipment failure and 48 hours for minor equipment failure during warranty period.

9. In case of non-fulfilment of obligations, penalty @ Rs. 500/- per day per equipment failure, @ Rs. 1000/- per day for major failure will be imposed and will be deducted from the Security Deposit.

10. During warranty, Defective HDD i.e. Hard Disk (Not in RAID Configuration) has to be changed with working one on non-replacement basis. Defective HDD (non-RAID) will be kept with CNP.

**QUALIFICATION AND ELEGIBILITY CRITERIA**

Sl.No	Terms	Component
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1	<p>Experience and past performance: The bidder Manufacturer or principal of authorized representative- hereinafter referred simply as The Bidder shall be a manufacturer that has regularly for at least the last three years Supply, Installation, Testing and Commissioning, of Complete ANPR System with the same or higher specifications of at least one number in last Five years ending on March-2021. At least one number of the product offered for supply should be in successful operation for at least one year on the date of bid opening.</p>	Agree Only
2	<p>Capacity and Capability:</p> <p>The bidder must have an annual capacity to Supply, Installation, Testing and Commissioning of one number of similar type of Complete ANPR System.</p> <p>Note: All experience, past performance and capacity/ capability related data should be certified by the authorized signatory of the bidder firm. The credentials regarding experience and past performance to the extent required as per eligibility criteria submitted by bidder should be verified from the parties for whom work has been done.</p>	Agree Only

3	<p>Financial Standing:</p> <p>(a) Average Annual turnover of the bidder firm should be more than Rs. 4,73,500/- during last three years i.e. 2018-2019, 2019-2020 and 2020-2021.</p> <p>(b) Bidder firm should not have suffered any financial loss for more than one year during the last three financial years i.e. 2018-2019, 2019-2020 and 2020-2021.</p> <p>(c) The net worth of the firm should not be negative and should not have eroded by more than 30% in the last three financial years i.e. 2018-2019, 2019-2020 and 2020-2021.</p>	Agree Only
4	The bidder should submit Power of Attorney of the Authorized Signatory for signing the bid, entering in to contract, if awarded and for any other correspondences.	Agree Only
5	The bidders shall enclose attested copy of GST Registration (in REG 06) & attested copy of PAN.	Agree Only
6	The bidder should give undertaking/declaration that they have read and understood all the terms & conditions of tender documents and submitting unconditional acceptance to all terms & conditions	Agree Only
7	The bidder should give a declaration that they have not been black-listed/ debarred for dealing by Government of India in the past.	Agree Only

8	<p>Note:-</p> <p>(i) In support of experience &amp; capability criteria, the bidder has to submit attested copies of P.O s, Experience certificates issue by customers.</p> <p>(ii) All experience, past performance &amp; capacity/ capability related/data should be certified by the authorized signatory of the bidder firm. The credentials regarding experience and past performance to the extent required as per eligibility criteria submitted by bidder may be verified from the parties for whom work has been done.</p> <p>(iii) All financial standing data such as Balance Sheet, Profit &amp; Loss account statement etc. should be certified by certified accountants e.g. Chartered Accounts or Cost Accountant. Financial statement duly certified by CA for year 2018-2019, 2019-2020 and 2020-2021 to be submitted.</p> <p>Bidder to furnish stipulated documents support of fulfillment of qualifying criteria. Non submission or incomplete submission of documents may lead to rejection of offer.</p>	Agree Only
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Lot Details						
Lot Name 1	Category	Lot Description	Quantity/UOM	Currency	Ceiling Price	Estimated Price

COMPLETE ANPR SYSTEM	Capital Procurements	DESIGN,SUPPLY,ASSEMBLY,INSTALLATION, TESTING,ERECTION,INTEGRATION AND COMMISSIONING SOFTWARE INTEGRATION, TRAINING AND PERFORMANCE TESTING OF THE COMPLETE ANPR SYSTEM ON TURN KEY BASIS	1.0Activity	INR	-	-
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**Lot No: 1 Specific Terms**

**Lot No: 1 Price Parameters/ Formula**

Variable Name	Name of Parameters	Sub Total (Example: a+b)	Type of Component	Places of decimal	Lumpsum
a	TOTAL UNIT RATE	-	Numeric Text Only	2	No
b	GST AMOUNT ON A	-	Numeric Text Only	2	No
Price formula: a+b (Up to 2 Decimal Place)					