

**OFFICE OF THE DIVISIONAL MANAGER CTU & DIRECTOR TRANSPORT,
UNION TERRITORY; CHANDIGARH,**

e—TENDER NOTICE

E-tenders (Online tenders) are invited for the purchase/installation of Electromechanical Boom Barrier for CTU Workshop of Depot No. II, Industrial Area, Phase I, Chandigarh in two bid system i.e. **technical bid and financial bid which are to be submitted separately**. The offer shall be valid for three months (90 days) from the date of opening of technical bid. The prospective bidders can also visit office of the CTU during office hours on any working day by contacting General Manager, CTU-II, Asstt. Controller (F&A), CTU-II/P.M.A.-I, Plot No. 701, Industrial Area, Phase I, Chandigarh for any kind of information with regard to the job/tender. The detailed terms & conditions of the tender documents may be downloaded from the website of Chandigarh Administration i.e. <http://etenders.chd.nic.in>.

1. Tenderers are required to quote their rates including installation/freight charges, civil work and IT Equipments required for the installation along with Comprehensive Maintenance Charges (CMC) excluding taxes (complete job). The taxes shall be as applicable from time to time.
1. EMD of Rs. 50,000/- (Rupees Fifty Thousand only) must be submitted in physical form in the shape of Bank Draft drawn on any scheduled bank at Chandigarh **in favour of the Director Transport, Plot No.701, Industrial Area, Phase-I, Union Territory, Chandigarh** in the office of Divisional Manager, CTU & Director Transport, U.T., Chandigarh, Plot No. 701, Industrial Area, Phase I, Chandigarh on or before **12.04.2016 up to 14.00 hours**. Tenders without submission of Earnest Money Deposit (EMD) through bank draft in physical form within the stipulated date and time shall not be considered and shall be rejected out rightly.
2. The detailed bid documents can be downloaded from the website of Chandigarh i.e. <http://etenders.chd.nic.in/nicgep/app>. Tender documents completed in all respect duly signed must be uploaded on the above said website on or before **12.04.2016 upto 14.00 hours**. The Technical bids will be opened on **12.04.2016 at 15.00 hours**. Financial Bids of only those bidders will be opened who qualify the technical bids and the date for which will be intimated later. No tender shall be accepted in physical form under any circumstances.
3. The Divisional Manager, CTU & Director Transport, U.T., Chandigarh shall have every right to (a) cancel / withdraw / amend the advertisement or extend the due date at his sole discretion or (b) accept or reject any tender without assigning any reason.
4. The tenderers can approach the Nodal Officer, e-tendering, CTU Chandigarh on any working day between 9.00 a.m. to 5.00 p.m. in case any query/clarification regarding e-tendering process HELPLINE No. 0172-2740641 of Department of Information Technology, Chandigarh administration, Sector 9-D, Chandigarh.

Divisional Manager CTU &
Director Transport,
U.T., Chandigarh.

TERMS AND CONDITIONS FOR THE PURCHASE / INSTALLATION OF ELECTRO MECHANICAL BOOM BARRIER FOR CTU WORKSHOP OF DEPOT NO. II.

1. (i) Tenderers are required to quote their rates including installation/freight charges, civil work and IT Equipments required for the installation along with Comprehensive Maintenance Charges (CMC) for a period of six years excluding taxes (complete job). The taxes shall be as applicable from time to time.

(ii) The prospective bidders shall quote the rates as per the detail of infrastructure given in Annexure "A".

2. The offer of tender will be valid for a period of 90 days from the date of opening of tender (technical bid). Withdrawal of offer of finalized firm during this period will result into forfeiture of earnest money.

3. **Payment Schedule shall be as under:-**

(i)	After satisfactory installation of the Electro Mechanical Boom Barrier	:	60%
(ii)	After successful functioning of the Project in the CTU premises	:	10%
(iii)	In the first month of each year (starting from 2 nd year of commencement of the project)	:	6% each year

4. The successful bidder (firms/Companies) is liable to install the Electromechanical Boom Barrier within one month from the date of issue of rate acceptance letter. In case, the successful bidder backs out, the Earnest Money Deposit shall be forfeited and the bidder shall be black listed for any future contract as per Chandigarh Administration, Finance Department Notification No. 1927- F&PO(3)-2009/1170 dated 27.2.2009.

5. The work shall start immediately from the date of issuance of work order. Installation/Successful implementation to be done within one month of placing the work order failing which penalty of 1% of the total contract value per week will be imposed.

6. The successful bidder will give training to operate the system to the CTU employees without any additional cost.

7. **Performance Security:**

The successful bidder will have to deposit performance security @ 5% of the total cost of the Electromechanical Boom Barrier for CTU Workshop of Depot No.II in the form of Fixed Deposited Receipt (FDR) from a commercial bank or a Bank Guarantee in favour of "Director Transport U.T., Chandigarh" which should be valid for a period of 63 months from the date of supply order and will have to be deposited within 15 days from the date of issue of the Letter of Acceptance/Supply Order.

8. The successful bidder (firms/Companies) is liable to maintain the boom barrier in functioning condition every time and attend the call of the department immediately for any type of repair/defect during guarantee/warranty period immediately without charges any amount in this regard. In case of failure to do so, a penalty of Rs.250/- per hour shall be imposed upto 24 hours. After the expiry of period of 24 hours, a penalty of Rs.500/- per hour shall be imposed.
9. In case of authorized dealers/distributors they must attach the Certificate of dealership issued by the Company/Manufacturer for which the machine is to be supplied. Tender received without authorization Certificate of concerned company shall not be considered and rejected out-rightly.
10. In case, the successful bidder backs out, the Earnest Deposit/Performance Security shall be forfeited and the bidder shall be black listed for any future contract as per Chandigarh Administration, Finance Department Notification No.1927-F&PO (3)-2009 dated 27.02.2009.
11. **Arbitrator:** In case of a dispute arising between the parties with regard to interpretation of these terms and Agreement or their fulfillment, the dispute shall be referred to the Secretary Transport, Chandigarh for arbitration, who will be sole Arbitrator and whose decision shall be final and binding on both the parties.

The CTU and the supplier or his nominee both agree to accept the Sole Arbitrator. Further no party shall have the right to go to the court of law for any dispute under this agreement for their fulfillment unless the dispute is first referred to the Sole Arbitrator specified under the Agreement.
12. **Jurisdiction:** Any dispute or difference or claim etc, shall be subject to the exclusive jurisdiction of the courts situated at Chandigarh only. No other court shall have the jurisdiction to entertain or try any matter concerning this supply tender.
13. Any conditional terms and conditions mentioned by the firm in their covering letter or in the tender documents will not be considered.

UNDERTAKING BY THE BIDDER ON THE STAMP PAPERS OF RS.15/-.

1. I, Shri _____ S/o Shri _____ working as _____ of the firm namely M/s. _____ are duly authorized to apply for this Tender.
2. I, the undersigned, have read and understood the above detailed terms and conditions (Clause 1 to 13) as well as Tender Notice and undertake to abide by them.
3. I under that the I/my firm/company has not been blacklisted by the Department of Govt. of India or any State Govt. or any Union Territory or any Public undertaking.

Signature of the Tenderer

Name of the Tenderer _____

Address _____

Tel No. _____

Email I.D. _____

PAN/TAN No. _____

Annexure – ‘A’

Detail of Components required for Boom Barrier for CTU

BOQ		
Sr. No.	Item Description	Qty.
(A)	PARKING ENTRY / EXIT STATION	
1.	Supply Installation Testing Commissioning of Automatic Boom Barrier 5 to 6 Meter length of below mentioned Make MAKE : FAAC / CAME / EFA FLEX/ MARANTEC / RIB	1
2.	Supply Installation Testing Commissioning of Vehicle Detection and Safety Loop for Barrier with the technical specification enclosed:- i) Two Loop Detectors shall be supplied with Boom Barrier to enable connection with induction loops ii) One of the loop is triggering loops which first detects the presence of vehicles and then alert the system and keeps its ready for entry/exit. iii) The other loop is closing/safety loops which activates the barrier to close when there is no vehicle over the loop.	2
3.	Supply Installation Testing Commissioning of Long Distance UHF Reader (with read range from 06 to 10 Meters) & RFID 2 way controller complete in all respects as per site requirement MAKE : FAAC / CAME / EFA FLEX/ MARANTEC / RIB	2
4.	UHF Vehicle Tag with read range from 06 to 10 Meter with operating frequency of 300 Mhz and 3 GHz	300
5.	Supply Installation Testing Commissioning of Entrance Camera (D/N) Vision HD 12 mm F/2.0 Mega pixel MAKE : BOSCH	2
6.	Supply Installation Testing Commissioning of Incident camera (D/N) Vision HD 12 MM F/2.0 Lens ANPR and LPR Traffic MAKE : BOSCH	2
7.	UPS BR 1000 G- IN 1 KVA, Inbuilt Battery [Microtek/Luminous]	1
8.	Feeder Panel for AC power supply	1
9.	Supply Installation of Camera Poles for mounting above said cameras	4
10.	Supply Installation of Traffic Signal Light (Red + Green) at entrance/exit gate	2
11.	Supply Installation of Welcome Display as per Specification enclosed	1
12.	Supply Installation of Speed Bumps & Breakers [250 x 350 x 50mm] PVC Coated fitted with reflector for night vision for capacity up to 15 Tons.	50
13.	Supply Installation Testing Commissioning of Safety Bollard x 36" Length of High Quality	20
14.	Network Switch D-Link [TP-Link TESF1008D – 8 port 10/100 Mbps]	1
(B)	Parking Control Station	
1.	Supply Installation Testing Commissioning of Parking Server PC with following components and as per software features enclosed:- i) Intel Dual Core Processor with Mother Board ii) 4GB RAM iii) 500 GB HDD iv) DVD Writer v) LAN interface vi) 19" LCD Color Screen vii) Keyboard & Mouse with at least 1 serial, 1 parallel & 2 USB ports viii) Licensed Window 2008 OS ix) Laser Printer MAKE : DELL	1

2.	UPS BR 1000 G- IN 1 KVA, Inbuilt Battery [Microtek/Luminous]	1
3.	Network Router [D-Link DWR-116 4G LTE Wi-Fi Router]	1
4.	Network Switch [TP-Link TLSF1008D 8-Port 10/100 Mbps]	1
5.	Data Cable Cat 6 Cable	mtr
6.	Power Cable Havells Make ISI Marked	mtr
7.	PVC Conduit ISI Marked Heavy Duty D Plast	mtr
(C)	CIVIL WORK & INSTALLATION OF EQUIPMENTS	
1.	Concrete Flooring for Fixing of Above Components (Including Dismantling of Existing Concrete If Required) Complete in All Respects As per Requirements/Conditions	1 job

Note:- The lowest bidder shall be decided on the basis of total cost (Excluding Taxes)

Technical Description/Specification of Items

Sr. No.	Item Description	Technical Specifications																																
1.	Vehicle Loop Detector	Supply voltage: 230V AC , 115V AC, 24V DC/AC, 12V DC/AC Voltage tolerance AC: +10% / -15% Voltage tolerance DC: ±15% Power Consumption: 4.5VA Output relays: 240V/5A Operating temperature: -20°C to +65°C Storage temperature: -40°C to +85°C Frequency range: 20 kHz to 170 kHz Reaction time: 10ms Signal holding time: Unlimited / limited when loop is permanently covered 10 minutes Sensitivity: Adjustable in 4 increments Loop inductance: Total loop plus connection wiring: 50µH to 1000µH. Ideal is 100µH to 300µH Size of Housing : 78 x 40 x 108 mm Loop Connection wiring Maximum Length 20 Meters twisted at least 20 times per meter																																
2.	Software Features	(i) Interactive GUI (ii) Employee Data Management (iii) Attendance Policy Management (iv) Capable with Image Capturing of License Number Plate of incoming bus at Entry/Exit Point (v) All entry/exit data of the buses will be saved in Database (vi) Customize reports generation by number of vehicle inside the parking lot in any given time (vii) To search the report by Vehicle No., Entry/Exit Date & Time (viii) Integration with Boom Barrier Loop Detector and with the feature of generation of MIS reports																																
3.	Loop Detector Coil Loop Cable	100% copper tin coating feeder cable for vehicle presence 1.8mm in diameter 200 meters totally 1. 600V for voltage; 2. Conductor: copper coating with tin; 3. Teflon material for insulation; 4. Diameter: 1.8mm 5. total length: 50 meters;																																
4.	Welcome Display (VMS)	P10 outdoor led display module <table border="0"> <thead> <tr> <th data-bbox="444 1413 764 1446">Item</th> <th data-bbox="808 1413 959 1446">Specification</th> </tr> </thead> <tbody> <tr> <td data-bbox="444 1454 639 1486">Pixel Pitch (mm)</td> <td data-bbox="808 1454 837 1486">10</td> </tr> <tr> <td data-bbox="444 1494 553 1526">Pixel LED</td> <td data-bbox="808 1494 894 1526">DIP546</td> </tr> <tr> <td data-bbox="444 1534 711 1567">Pixel Density (dot/m²)</td> <td data-bbox="808 1534 883 1567">10000</td> </tr> <tr> <td data-bbox="444 1575 672 1607">Pixel Configuration</td> <td data-bbox="808 1575 837 1607">1R</td> </tr> <tr> <td data-bbox="444 1615 753 1647">Module Size (Lmm*Hmm)</td> <td data-bbox="808 1615 911 1647">320×160</td> </tr> <tr> <td data-bbox="444 1655 672 1688">Brightness(CD/m²)</td> <td data-bbox="808 1655 867 1688">5000</td> </tr> <tr> <td data-bbox="444 1696 672 1728">Best Viewing Angle</td> <td data-bbox="808 1696 948 1728">45°H/100°V</td> </tr> <tr> <td data-bbox="444 1736 586 1768">Drive Mode</td> <td data-bbox="808 1736 1187 1768">Constant Current drive 1/4 scan</td> </tr> <tr> <td data-bbox="444 1776 537 1809">Drive IC</td> <td data-bbox="808 1776 915 1809">74HC595</td> </tr> <tr> <td data-bbox="444 1817 646 1849">Working Voltage</td> <td data-bbox="808 1817 883 1849">DC 5V</td> </tr> <tr> <td data-bbox="444 1857 760 1889">Environment Temperature</td> <td data-bbox="808 1857 1354 1889">Storage: -40°C~90°C Operation: -30°C ~+ 50°C</td> </tr> <tr> <td data-bbox="444 1897 630 1929">Blind Spot Rate</td> <td data-bbox="808 1897 1354 1929">Less than.0003(LED display industry standard)</td> </tr> <tr> <td data-bbox="444 1938 662 1970">Working Humidity</td> <td data-bbox="808 1938 899 1970">5%-85%</td> </tr> <tr> <td data-bbox="444 1978 509 2010">MTBF</td> <td data-bbox="808 1978 964 2010">≥10000hours</td> </tr> <tr> <td data-bbox="444 2018 542 2050">Lifespan</td> <td data-bbox="808 2018 980 2050">≥100000hours</td> </tr> </tbody> </table>	Item	Specification	Pixel Pitch (mm)	10	Pixel LED	DIP546	Pixel Density (dot/m ²)	10000	Pixel Configuration	1R	Module Size (Lmm*Hmm)	320×160	Brightness(CD/m ²)	5000	Best Viewing Angle	45°H/100°V	Drive Mode	Constant Current drive 1/4 scan	Drive IC	74HC595	Working Voltage	DC 5V	Environment Temperature	Storage: -40°C~90°C Operation: -30°C ~+ 50°C	Blind Spot Rate	Less than.0003(LED display industry standard)	Working Humidity	5%-85%	MTBF	≥10000hours	Lifespan	≥100000hours
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