

**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 Three (3) Nos. Electromechanical Boom Barrier for CTU Workshop of Depot No.I, III and IV situated at Industrial Area, Phase I, Sector 25 and ISBT, Sector 43, Chandigarh respectively 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-I, 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 jobs of all the locations). The taxes shall be as applicable from time to time.
2. EMD of Rs. 2,00,000/- (Rupees Two Lakhs 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 **18.04.2017 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.
3. The detailed bid documents can be downloaded from the website of Chandigarh i.e. <http://etenders.chd.nic.in/nicgep/app>. The pre-bid will be held on **05.04.2017 at 11.00 A.M.** Tender documents completed in all respect duly signed must be uploaded on the above said website on or before **18.04.2017 upto 14.00 hours**. The Technical bids will be opened on **18.04.2017 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.
4. 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.
5. 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.

Sd/-
Divisional Manager CTU &
Director Transport,
U.T., Chandigarh.

TERMS AND CONDITIONS FOR THE PURCHASE / INSTALLATION OF ELECTRO MECHANICAL BOOM BARRIERS FOR CTU WORKSHOP OF DEPOT NO. I, III & IV.

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 jobs). 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" (as required for one boom barrier).
2. The offer of tender will be valid for a period of 120 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 Barriers	:	60%
(ii)	After successful functioning of the Projects in all the Locations/premises	:	10%
(iii)	In the first month of each year (starting from 2 nd year of commencement of the projects)	:	5% each year
4. The successful bidder (firms/Companies) is liable to install the Electromechanical Boom Barriers within Two (2) months 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 Two (2) months of placing the work order failing which penalty of 1% of the total contract value per week will be imposed (maximum upto 10%).
6. The successful bidder has to integrate the operation and MIS reports with current system and 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 Barriers for CTU Workshops of Depot No.I, III & IV 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 75 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 barriers 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 any charges 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/Electromechanical Boom Barrier i.e. RIB/MAGNETIC/SKI DATA is to be supplied. Tender received without authorization Certificate of concerned company shall not be considered and rejected out-rightly.
10. The prospective bidder must have executed/implemented & integrated similar nature of at least two works. The details and Completion Certificate be attached in this respect.
11. 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.
12. **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.
13. **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.
14. 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 14) 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 complete in all respects including housing, controller etc. MAKE : MAGNETIC / RIB/SKI DATA i) Closing/Opening Time 04 Sec. to 10 Sec. configurable ii) Operating Voltage-100 V to 240 V, Freq. 50 Hz - 60 Hz iii) Length 5.0 mtr to 6.0 mtr iv) Degree of Protection/Enclosure rating - IP 54/55/44 v) Temp. Range - 0° to 50° C	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 : IDCUBE/ STAR/ SKI DATA May be read as RFID reader- i) Range 865-867 mhz ii) Built in antenna/RFID inlay iii) Reading Range - upto 7 mtr or 12 mtr, Software adjustable iv) Protection rating IP 64 v) Operating Temp. 0° to 50° C vi) Interface - RS-485, RS-232 vii) Max Power - Max 1 watt (configurable)	2
4.	UHF Vehicle Tag with read range from 06 to 10 Meter with operating frequency of 865 - 867 Mhz	140
5.	Supply Installation Testing Commissioning of Entrance Camera (D/N) Vision HD 12 mm F/2.0 Mega pixel with DVR (8 channel) (one No.DVR) CANERA MAKE : BOSCH/HONEYWELL/AXIS DVR : (PANASONIC/SAMSUNG/AXIS/HONEYWELL)	2
6.	Supply Installation Testing Commissioning of Incident camera (D/N) Vision HD 12 MM F/2.0 Lens for ANPR and LPR Traffic MAKE : BOSCH/HONEYWELL/AXIS	2
7.	UPS BR 1000 G- IN 1 KVA, Inbuilt Battery [Microtek/Luminous/Su-kam]	1
8.	Feeder Panel for AC power supply complete in all respects as per site requirement.	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 Plastic Safety Bollard 36" Dia of superior quality as per approval by the CTU	20
14.	Network Switch D-Link/CISCO/TP-LINK [TESH1008D – 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 i5 with Processor speed 3.1 GHz 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 8.1 OS ix) Laser Printer MAKE : DELL/HP/IBM	1
2.	UPS BR 1000 G- IN 1 KVA, Inbuilt Battery [Microtek/Luminous/Su-Kam]	1
3.	Network Router [D-Link/CISCO/TP-LINK]	1
4.	Network Switch [CISCO/D-Link/TP-Link]	1
5.	Data Cable Cat 6 Cable	mtr
6.	Power Cable Havells/Polycab/Finolex size suitable for associated equipments.	mtr
7.	PVC Conduit ISI Marked Heavy Duty DIPLAST/KISAN/POLYPLAST	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) for all the three Electromechanical Boom Barriers.

ii) The quantity indicated in the detail of components is for one Barrier only. The bidder has to quote price for one Barrier complete job and for three Electromechanical Barrier amount will automatically be calculated.

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 (should be able to see remotely Internet connection will be provided by CTU)	(i) Interactive GUI (ii) Employee Data Management (iii) Capable with Image Capturing of License Number Plate of incoming bus at Entry/Exit Point (iv) All entry/exit data of the buses will be saved in Database (v) Customize reports generation by number of vehicle inside the parking lot in any given time (vi) To search the report by Vehicle No., Entry/Exit Date & Time (vii) Integration with Boom Barrier Loop Detector. (viii) Integration of S/W with existing S/W of Duty Roaster of CTU (ix) Anyother requirement as per CTU.																																		
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)	<table border="0"> <tr> <td colspan="2">P10 outdoor led display module</td> </tr> <tr> <td>Item</td> <td>Specification</td> </tr> <tr> <td>Pixel Pitch (mm)</td> <td>10</td> </tr> <tr> <td>Pixel LED</td> <td>DIP546</td> </tr> <tr> <td>Pixel Density (dot/m²)</td> <td>10000</td> </tr> <tr> <td>Pixel Configuration</td> <td>1R</td> </tr> <tr> <td>Module Size (Lmm*Hmm)</td> <td>5.0 mtr x 0.16 mtr</td> </tr> <tr> <td>Brightness(CD/m²)</td> <td>5000</td> </tr> <tr> <td>Best Viewing Angle</td> <td>45°H/100°V</td> </tr> <tr> <td>Drive Mode</td> <td>Constant Current drive 1/4 scan</td> </tr> <tr> <td>Drive IC</td> <td>74HC595</td> </tr> <tr> <td>Working Voltage</td> <td>DC 5V</td> </tr> <tr> <td>Environment Temperature</td> <td>Storage: -40°C~90°C Operation: -30°C ~+ 50°C</td> </tr> <tr> <td>Blind Spot Rate</td> <td>Less than.0003(LED display industry standard)</td> </tr> <tr> <td>Working Humidity</td> <td>5%-85%</td> </tr> <tr> <td>MTBF</td> <td>≥10000hours</td> </tr> <tr> <td>Lifespan</td> <td>≥100000hours</td> </tr> </table>	P10 outdoor led display module		Item	Specification	Pixel Pitch (mm)	10	Pixel LED	DIP546	Pixel Density (dot/m ²)	10000	Pixel Configuration	1R	Module Size (Lmm*Hmm)	5.0 mtr x 0.16 mtr	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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