

**PIMPRI CHINCHWAD NEW TOWN  
DEVELOPMENT  
AUTHORITY, AKURDI, PUNE-411 044.**

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DETAILS ELECTRICAL WORK E-TENDER

**TENDER PAPER**

**FOR E-TENDER NOTICE NO. : 04 FOR 2017-18**

**TENDER PAPERS**

**( e-Tender No. 04 of 2017 - 2018 )**

**NAME OF WORK: -** Operation, maintenance and implementing the Intelligent driving testing system in traffic park developed by PCNTDA in Sector No. 6 on leave and license agreement basis.

**Tender form Fee** : Rs. 2,000/-  
**Earnest Money Deposit** : Rs. 1,00,000/-  
**Security Deposit** : Rs. 12 months rent amount

**Pimpri Chinchwad New Town Development Authority  
Near Akurdi Railway Station, Pune - 411 044**

**NAME OF WORK: - Operation, maintenance and implementing the Intelligent driving testing system in traffic park developed by PCNTDA in sector No. 6 on leave and license agreement basis.**

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# PIMPRI-CHINCHWAD NEW TOWN DEVELOPMENT AUTHORITY,

NEW ADMINISTRATIVE BUILDING, NEAR AKURDI RAILWAY STATION, PUNE-411 044.

Phone No. (020)-27652934/35 (Extn:-1605)

## E -Tender Notice No: 04 for 2016-2017

Sealed Online e-Tenders for the following work are invited by the Chief Executive officer

Sr. No	e-tender No.	Name of work	Type	Estimated cost of Work (Rs.)	Earnest Money (Rs.)	Security Deposit (Rs.)	Time Limit for completion of installation of intelligent driving testing system	e- tender form fees (Non Refundable) (Rs.)
1.	4	Operation , maintenance and implementing intelligent driving testing system in traffic park developed by PCNTDA in sector No. 6 on leave and license agreement basis.	1 <sup>st</sup> call	NA	1,00,000/	12 months rent amount	9 Months	2,000/-

### e-Tender Processing Time Table :-

Sr.No	Details	Start Date	Hrs	End date	Hrs
1	Publication of Tender	20/05/2017	—	—	—
2	Document Download	20/05/2017	10.00 hrs	06/06/2017	16.55 hrs
3	Pre bid meeting	30/05/2017	11.00 hrs	—	—
4	Bid submission start	20/05/2017	10.00 hrs	06/06/2017	16.55 hrs
5	Opening of Bid (Technical cover)	09/06/2017	15.00 hrs	—	—
6	Note : All the payments towards EMD and cost of tender forms will be done through e-payment gateway by using Netbanking only. Bidders who are using SB MOPS other banks Internet Banking are requested to make online payment 4 days in advance				

**Note:-1.** All eligible/interested contractors who want to participate in tendering process should compulsorily get enrolled on e-tendering portal "<http://mahatenders.gov.in>" in the appropriate category applicable to them.

**2. Contractor shall contact for details or any difficulties in submission of online tenders if any to "The 24 x 7 Toll Free Telphonic Help Desk Nos. 1800-3070-2232 Mobile no. 91-7878007972 & 91-7878007973**

3. It is compulsory for all participants to submit all documents online. Bids will not be accepted by hand or by post. In case of failure online offer will not be opened.

4. Right to reject any or all online bids of work without assigning any reasons thereof are reserved with PCNTDA.

5. Detailed terms and condition are displayed on portal,

6. Above Tender Notice is displayed on [www.pcntda.org.in](http://www.pcntda.org.in).

Sd/-

**Chief Executive Officer,  
PCNTDA, Akurdi**

# CHAPTER - I

## *DETAILED TENDER NOTICE*

Sealed Online e-Tenders for the following work are invited by the Chief Executive officer

**1. NAME OF WORK: - Operation, maintenance and implementing the Intelligent driving testing system in traffic park developed by PCNTDA in sector No. 6 on leave and license agreement basis.**

**2. BLANK TENDER FORM : 2000/-**

Tender Forms can be purchased from the e-Tendering Portal, "<http://mahatenders.gov.in>" after paying Tender Fees through online mode as per the Tender Schedule.

Tender form, conditions of contract, specifications and contract drawings can be downloaded from the eTendering portal "<http://mahatenders.gov.in>" after entering the details, payment of Rs. 2,000/- (Rupees Two Thousand only) should be paid online using payment gateway. The fees of tender document will be non refundable. Further information regarding the work can be obtained from the above office.

### **1. EARNEST MONEY DEPOSIT (EMD) –**

- 1.1. The EMD applicable amount shall be paid via Online mode only.
- 1.2. **a)** Earnest money of minimum Rs. **1,00,000** /-shall be paid via online using NEFT/RTGS or payment gateway mode .After Tender opening, the EMD of the unsuccessful bidder will be returned to account provided by the bidder during the bid preparation as given in challan under Beneficiary Account Number.  
**b)** The amount will be refunded to the unsuccessful tenderers on deciding about the acceptance or otherwise of the tender. In case of successful tenderer, it will be refunded on his paying initial Security Deposit and completing the tender documents in form B-1.
- 1.3. Tender of those who do not deposit earnest money shall be summarily rejected.
- 1.4. The amount of earnest money will be refunded to the unsuccessful tenderer on deciding about the acceptance or otherwise of the tender or on expiry of the validity period whichever is earlier. In case of the successful tenderer, it will be refunded on his paying the initial security deposit and completing the tender documents or will be transferred towards a part of security deposit to be paid after awarding of the work. If successful tenderer does not pay the security deposit in the prescribed time limit and complete the agreement, his earnest money deposit will be forfeited.

### **2. SECURITY DEPOSIT**

Successful bidder /organization/ association should maintain a security deposit of minimum 12 months of rent with P.C.N.T.D.A. for the tenure of the contract, in the form a Bank Guarantee of any nationalized bank, which is payable in Pimpri Chinchwad area. The validity for Bank Guarantee should be the tenure of the contract plus 90 (Ninty) days

### **3. TIME LIMIT FOR COMPLETION OF WORK**

- 3.1. The time limit for completion of work is **9 (Nine) months** and will be counted from the date of issue of work order.

#### 4. PRE-TENDER CONFERENCE

- 4.1. Pre-Tender conference is open to all tenderers and will be held on the date mentioned in detail date and time schedule in the office of the Chief Executive Officer or Executive Engineer, PCNTDA Near Akurdi Railway station, PUNE-44, wherein the prospective tenderers will have an opportunity to obtain clarifications regarding the work and the tender conditions.
- 4.2. The prospective tenderers are free to ask for any additional information or clarification either in writing or verbally and the clarifications to the same will be given during pre-bid meeting and this clarification referred to as "**Common Set of Deviations**" will be applicable to all tenderers. Common set of deviations, if any, issued by PCNTDA will form part and parcel of the tender documents and the same shall be uploaded on E-tender website.
- 4.3. The tender submitted by the tenderer shall be strictly as per NIT and Corrigendum/ Addendum issued by the *Chief Executive Officer*. The tender offer shall be unconditional. **Conditional tenders/offers will be summarily rejected.**
- 4.4. All tenderers are cautioned that the tender containing any deviations from the contractual terms and conditions, specifications, or other requirements will be rejected as non-responsive.

#### 5. ELIGIBILITY OF BIDDER

- 5.1. The Bidder should be registered under the **Companies Act, 1956** or a partnership registered under the India Partnership Act 1932, should have registered offices in Maharashtra and should be in existence for at least last 5 years, as on 30<sup>th</sup> June 2016.
- 5.2. Minimum annual turnover of Rs. 80.00 lakh and the net worth of the organization, company, association should be not less than Rs.40.00 lakh.
- 5.3. Details of bidders **PAN No.** and complete postal address with Pin Code and telephone Numbers
- 5.6 **Original valid VAT and service tax registration certificate or GST if applicable.**

6. Bidder should submit the 2 envelope online. The details of documents to be submitted with each envelope is given below

**ONLINE ENVELOPE NO. 1 : (Documents)**

The First Online envelope "Envelope No. 1" shall contain the following documents:

1.	The Blank Tender Form Fees and EMD if applicable will be paid via online mode
2	Copy Certificate of Incorporation issued by Registrar of Companies, partnership agreement for the proof of The Bidder is registered under the Companies Act, 1956 or a partnership registered under the India Partnership Act 1932, should have registered offices in Maharashtra and should be in existence for at least last 5 years, as on 30 <sup>th</sup> June 2016
3	Scan copy of Minimum annual turnover of Rs. 80.00 lakh and the net worth of the organization, company, association should be not less than Rs.40.00 lakh duly certified by CA.
4	Scan Copy of valid VAT and service tax registration certificate or GST if applicable.
5	Scan Copy of Permanent Account Number allotted by Income Tax Department.
6	Scan Copy of Partnership Deed in case of Partnership Firm, Memorandum / Article of Association in case of Company & Power of Attorney before the submission of the tender.
7	Scan copy of List of Tools and Plant and Machinery available with the Tenderer which will be used for this work.
8	Scan copy of Details of Technical persons on the roll of Tenderer
9	Scan Copy of acknowledged income tax return filed for last three financial year.

All the relevant documents showing and confirming the above shall be enclosed with the bid documents and shall be listed as per the enclose.

Numbering should be done for all papers contained in Envelope No. 1 and indexed.\_

**5 ONLINE ENVELOPE No.2 TENDER (FINANCIAL BID)**

The second online envelope "Envelope No.2" shall contain only the offer.

**6 Qualification**

Upon submission of the envelope online tender committee of PCNTDA will open the online envelope No. 1 on the date mentioned in the tender schedule. After verifying the documents of the envelope No. 1 qualified bidder will be declared by the PCNTDA.

PCNTDA will reserve the right to qualify or disqualify bidders and open envelope no. 2.

## 7 Validity of terms of the BID

10.1 It is a firm and irrevocable offer, and shall remain valid and open for a period of not less than 120 days from the last date for submission of the Non-adherence to this requirement will be a ground for declaring the Proposal as non-responsive. In exceptional circumstances, PCNTDA may solicit the Bidder's consent for extension of the period of validity. The Bidder agrees to reasonably consider such a request. The request and response shall be in writing. A Bidder accepting PCNTDA's request for validity extension shall not be permitted to modify its offer.

10.2 The above work will be carried out under the supervision of the Engineer-in-charge of PCNTDA.

## 11 POWER OF ATTORNEY:

If the tenderers are a firm or company, they should in their forwarding letter mention the names of all the partners together with the name of the person who holds the power of Attorney, authorizing him to conduct all transactions on behalf of the body, along with the tender.

Enquiries clarifications, if any, can be sought from:

**Chief Executive Officer**

Pimpri Chinchwad New Town Development Authority  
New Administrative Building, Near Akurdi Railway station,  
Pune-411 044  
Maharashtra State, INDIA

## 12 ONE BID PER BIDDER

Each contractor shall submit only one bid for the work. The contractor who submits or participates in more than one bid will cause all the bids with the Bidders participation to be disqualified.

### **COST OF BIDDING**

The tenderer shall bear all costs associated with the preparation and submission of the bid and PCNTDA will in no case, be responsible and liable for those costs.

## 13 SITE VISIT

The contractor at his own responsibility and risk is encouraged to visit and examine the site of works and its surroundings and obtain all information that may be necessary for preparing the bid and entering into a contract for construction of the works. The costs of visiting the site and collecting the necessary information shall be borne by the bidder. No extra claim will be entertained in future on this account.

## 14 OPENING OF TENDER

The tenders will be opened on the date specified in the Tender Notice (if possible) in the presence of the intending bidders or their authorized representative to whom they may choose to remain present. Following procedure will be adopted for opening of the tender.

### 14.1 ENVELOPE No.1: -(Documents)

First of all Envelope No.1 of the tender will be opened online to verify its contents as per requirements. If the various documents contained in this envelope do not meet the requirements of the Department, a note will be recorded accordingly by the tender opening

authority and the said tenderers Envelope No. 2 will not be considered for further action and the same will be recorded. The decision of the tender opening authority in this regard will be final and binding on the contractors.

**14.2 ENVELOPE No.2: (Financial Bid)**

This envelope shall be opened online immediately after opening of Envelope No.1, only if contents of Envelope No.1 are found to be acceptable and the bidder qualifies in the technical process defined by PCNTDA. The tendered rates shall then be read out in the presence of bidders who remain present at the time of opening of Envelope No.2.

**15 RIGHT RESERVED: -**

Right to reject any or all tenders without assigning any reason therefore is reserved by the competent authority of PCNTDA, Near Akurdi Railway station, PUNE – 44, whose decision will be final and legally binding on all the tenderers.

15.1 The PCNTDA may extend the dead line for submission of tender by issuing a corrigendum.

15.2 The PCNTDA near Akurdi Railway station, PUNE – 44 shall have the right to revise or to amend the contract document prior to receipt of tender.

16 The court of jurisdiction for this work is Pune and PimpriChinchwad.



**PIMPRI-CHINCHWAD NEW TOWN DEVELOPMENT AUTHORITY, AKURDI, PUNE.**

**(General rules and directions for the guidance to the contractors)**

**Definitions:**

For the purpose of this contract unless there is anything repugnant the subject of the contract, The following words and phrases shall have the meaning specified herein below:-

**1.**

a) The word “Development Authority” means the “Pimpri-Chinchwad New Town Development Authority”.

a) The expression “**Department/Client/Owner/Employer**” as used in the tender papers shall mean Pimpri Chinchwad New Town Dev. Authority, Akurdi.

b) The expression “**Chief Executive Officer**” as used anywhere in the tender papers shall mean “Chief Executive Officer” of the Pimpri Chinchwad New Town Dev. Authority, Akurdi, who is designated as such for the time being in whose jurisdiction the work lies or the officer to whom the function of the Chief Executive Officer may be subsequently transferred.

c) “**Drawing**” shall mean the drawings referred to in specifications and any modifications of such drawings approved in writing by engineers and such other drawings as may from time to time be furnished or approved in writing by the Engineer-in-charge.

d) “**Chief Executive Officer’s representative**” shall mean an assistant of the Chief Executive Officer notified in writing to the Contractor by the Chief Executive Officer.

e) “**TPIA**” shall mean the Third Party Inspection Agency appointed by PCNTDA for carrying out various test of project.

f) The “**Site**” shall mean the lands and / or other places on under in or through which the work is to be executed under the contract including any other Lands or place, which may be allotted by Pimpri-Chinchwad New Town Dev. Authority or used for the purpose of contract. Part(s) thereof as the case may be and shall include all extra or additional, altered or substituted works as required for performance of the contract.

g) The “**Contract**” shall mean The agreement entered into between the owner and the contractor as recorded in the contract form signed by the parties include all attachment the notice of tender, the sealed quotation and the tender documents including the tender and acceptance thereof together with the documents referred to therein, and the accepted conditions with annexure mentioned therein including any special conditions, specifications, designs, drawings, priced schedule / bill of quantities and schedule

of rates. All these documents taken together shall be deemed to form one contract and shall be complementary to one another. Contract is deed of contract together with its entire accompaniment and those later incorporated in it by internal consent.

**h)** The “**Contractor**” shall mean the individual or firm or company whether incorporated or not, undertaking the work and shall include legal representative of such an individual or persons comprising such firms or company as the case may be and permitted, assigns of such individual or firm or company.

**i)** The “**Contract sum**” shall mean the sum for which the tender is accepted.

**j)** The “**Contract time**” means period specified in the tender document for entire execution of contracted works from the date of notification of award including monsoon period.

**k)** A “**Day**” shall mean a day of 24 hours from midnight to midnight irrespective of the number of hours worked in that day.

**l)** A “**month**” shall mean a calendar month.

**m)** A “**week**” shall mean seven consecutive days without regard to the number of hours worked in any day in that week.

**n)** “**Excepted Risks**” are risks due to riots (otherwise than among contractor’s employees) and civil commotion (in so far as both these are un-insurable) was (whether declared or not), invasion, act of foreign enemies, hostilities, civil war, rebellion, revolution, insurrection, military or usurped power, any acts of God, such as earthquake, lightening and un-precedent floods over which the contractor has no control and accepted as such by the Accepting Authority..

**o)** “**Temporary works**” shall mean all temporary works of every kind required in or about the execution completion or maintenance of the works.

**p)** “**Urgent works**” shall mean any measures, which in the opinion of the Engineer, become necessary during the progress of the works to obviate any risk or accident or failure or which become necessary for security of the work or the persons working, thereon.

**q)** Where the context so requires, word importing the singular number only also include the plural number of vice-versa.

**r)** Wherever there is mention of “**Schedule of rates**” or simply DSR or Schedule Rates in this tender it will be taken to mean as “The schedule of rate of Pune Public works Divisions, Pune under Pune P.W. Circle.,MORTH,MJP Pune as and when required.

**s)** A “**Language**” Correspondence language should be only Marathi & English.

**t)** The “**Contract Price**” shall mean the amount of the work as per accepted tender plus amount of

work which is increased from time to time due to cropping of additional work as ordered by the Engineer-in-charge.

u) The “**Accepting Authority**” shall mean the Chief Executive Officer, Akurdi Pune 44, Pimpri Chinchwad New Town Development Authority, Pune - 411044.

v) A “Rs.” **Rupees** The official currency of the Republic of India.

w) The “**CSD**” shall mean Common Set of Deviation. .

x) The ammendum/addenda/clarifications means information provided by the PCNTDA related to queries or its own there to facilitate to the tenderer.

y) The “**Works**” shall mean the works to be executed in accordance with the contract or part (s) thereof as the case may be and shall include all extra or additional altered or substituted work as required for the performance of the contract.

z) Headings and marginal notes, if any to all conditions of contract shall not be deemed to form part thereof or to be taken into consideration in the interpretation or construction thereof of the contract.

aa) Utility shall mean the services provided for the public.

## 1.2 Relation between the parties

Nothing contained herein shall be construed as establishing a relation of master and servant or of agent and principal as between the Client and the Consultant. The Consultant, subject to this Contract, have complete charge of Personnel performing the Services and shall be fully responsible for the Service performed by them or on their behalf hereunder.

## 1.3 Law Governing Contract

This Contract, its meaning and interpretation and the relation between the parties shall be governed by the Applicable Law of India and Maharashtra State. Jurisdiction regarding matter of this contract is Pimpri Chinchwad and Pune only.

## 1.4 Language

This Contract has been executed in English, which shall be the binding and controlling language for all matters relating to the meaning or interpretation of this Contract. Language for correspondence will be English and Marathi.

## 1.5 Heading

The Headings shall not limit, alter or affect the meanings of this contract.

## 1.6 Notices / Correspondence

1.6.1 Any notice, request or consent required or permitted to be given or made pursuant to this

Contract shall be in writing. Any such notice, request or consent shall be deemed to have been given or made when delivered in person to an authorized representative of the Party to whom the communication is addressed, or when sent by registered mail, telex, telegram or facsimile to such Party at the address specified below.

**Client :**

**Chief Executive Officer,  
New Administrative building,  
Pimpri Chinchwad New Town Development Authority,  
Akurdi Pune 411044**

**1.6.2** A Party may change its address for notice hereunder by giving the other party notice of such change to the other party.

**1.7 Location :**

The Services shall be performed in PCNTDA Area and at such locations as are specified in Appendix – A hereto and where the location of a particular task is not so specified, at such locations elsewhere as the Client may approve.

**1.8 Authorized Representatives**

Any action required or permitted to be taken, and document required or permitted to be executed, under this Contract by the Contract by the Client or the Consultant may be taken or executed by the officials authorized by PCNTDA and the Consultant.

**1.9 Taxes and Duties :-**

Unless otherwise specified, EXCEPT SERVICE TAX(Service tax with other ess applicable on service Tax from time to time) the Consultant shall pay such taxes, duties, fees and other impositions as may be levied under the Applicable Law ( No reimbursement shall be paid at any stage of agreement by PCNTDA)

**Contractor**

**Executive Engineer (Elect.)**

**Chief Executive Officer**

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Contractor

No. of Corrections

Executive Engineer (ELECT)

## OFFER

### TENDER FOR WORKS

I/we hereby tender for the execution of work for the Pimpri-Chinchwad New Town Development Authority, the work specified in the Tender with Memorandum within the time specified in such memorandum as specified in the table below in accordance, in all respects.

#### Memorandum

1. **Name of work: Operation, maintenance and implementing the Intelligent driving testing system in traffic park developed by PCNTDA in sector No. 6 on leave and license agreement basis.**

2. Estimated Amount	Rs.	NA
3. Earnest Money	Rs.	1,00,000/-
4. Security Deposit (2%)	Rs.	<b>12 month rent</b>

6) Time allowed for the completion of installation of intelligent driving testing system work from the date of written order to Commence the work ----- 9 (**Nine**) Months.

Bidding process:-

Bidders rent amount = Rs. /- per month + service tax borne by bidder

Note :- 15% rent amount will be increased after every 2 years

I/ we have paid online a sum of Rs 1,00,000/- (Rs. One lacks only) in name of Pimpri-Chinchwad New Town Development Authority, as Earnest Money and agree to its absolute forfeiture for any default, as provided for in 1<sup>st</sup> para of the detailed tender notice.

I/ We agree that this offer shall remain open for acceptance for a minimum period of 120 days from the date of opening the same and thereafter until it is withdrawn by me/us by notice in writing duly addressed to the authority opening the tenders and sent by registered Post A.D. or otherwise delivered at the office of such authority.

Should this tender be accepted, I/We abide by and fulfill all items and provisions of the said conditions of the contract annexed hereto as far as applicable or in default thereof, forfeit and pay to the Development Authority the sum of money mentioned in the conditions.

Dated the \_\_\_\_\_ day of \_\_\_\_\_ 2017.

**Note:-** PCNTDA has arrived on the tentative expected rent amount, if bidder quotes the rent amount below expected rent amount of PCNTDA then the Hon. CEO, PCNTDA has full rights to accept or reject the tender.

Address:

**Contractor's Signature (with seal)**

The Above contract agreement is here signed by me after acceptance of the Tender by the C.E.O. on behalf of the Pimpri - Chinchwad New Town Development Authority, Nigdi, Pune 411 044.

**Chief Executive Officer,**  
Pimpri-Chinchwad New Town  
Development Authority, Nigdi.

# CONDITIONS OF CONTRACT

## Clause: 1

### **Compensation for delay in completion of the automation work:**

The time allowed for carrying out the work as entered in the work order shall be strictly observed by the contractor and shall be reckoned from the date on which the order to commence work is given to the contractor. The work shall, throughout the stipulated period of the contract, be proceeded with all due diligence ( time being deemed to be the essence of the contract on the part of contractor) and the contractor shall pay as compensation an amount equal to 5% of the rent quoted by the bidder for the first month. There after for every month there will be increase of 5% in the compensation amount.

## Clause: 2

### **Claim for compensation for delay for starting the work:**

No compensation shall be allowed for any delay caused in starting of the work on account of acquisition of land or , in case of clearance works, on account of any delay in according the sanction to any items in the work execution.

## Clause: 3

### **Extension of the time:**

If the contractor shall desire an extension of time for completion of the work on the grounds of his having been unavoidably hindered in its execution or any other grounds he shall apply in writing to the Executive Engineer within 30 days of the last date of completion on accounts of which he desires such extension as aforesaid and the C.E.O., shall if in his opinion (which shall be final) finds reasonable grounds, grant such extension of time as may in his opinion be necessary and proper.

## Clause: 4

### **Work to be open for inspection Contractor or responsible agent to be present:**

All work under construction or in case of the execution of contract ,shall at all times be open for the inspection and supervision of the Development authority officers (Executive Engineer, Deputy Engineer, the Engineer-in-charge) and such of their subordinates and agencies who may have been entrusted with the supervision of the work in question and the contractor shall be at all times remain present and receive instruction or shall have at site a responsible agent duly accorded in writing, to be present for that purpose Orders given to the Contractor's agent shall be considered to have the same force as they have been given to the contractor himself

## Clause: 5

### **Labour:**

No labour below the age of 12 years/ as per latest labour law shall be employed in work. If found it will sole responsibility of the contractor.

**Clause: 6**

**As per minimum wages act 1948 and as amended time to time:**

- i) The contractor shall be pay fair and reasonable wage to the workmen employed by him in the contract undertaken by him. In the event of any dispute arising between the contractor and his workmen on the grounds that the payments are not fair and reasonable the dispute shall not in any way affect the conditions in the contract regarding the payment to be made by Development Authority at the sanction tenders, as mentioned in the tender.
- ii) The contractor shall provide drinking water facilities to the workers and similar amenities shall be providing to the worker angled on large work under areas.

**Clause: 7**

The contractor shall be responsible for and shall pay the expenses of providing medical aid to any workman who may suffer a bodily injury as a result of an accident, if such expenses are incurred by Development Authority the same shall be recoverable from the contractor forthwith and the deducted with the prejudice to any other remedy to Development Authority from any amount due or that may become due to the contractor.

**Clause: 8**

The contractor shall provide all necessary personal safety equipment and first aid apparatus available for use of the persons employed on the site shall maintain it in the same condition suitable for immediate use at time and shall comply with the following regulations in connection therewith.

- (a) The worker shall be required to use the equipment to provide by the contractor and the contractor shall take adequate steps to ensure proper use of the equipment by those concerned.
- (b) When the work is carried out in proximity to any place where there is a risk of drawing all necessary steps shall be taken for the prompt rescue of any person in danger.
- (c) Adequate provisions shall be made for prompt first-aid treatment of all injuries like to be sustained during the course of the work.

**Clause: 9**

In case of tender being executed by the partners any change in the constitution of the firm shall be forthwith notified by the contractor to the Executive Engineer for his information.

**Clause: 10**

**Work to be under direction of Engineer-in-charge:**

All work to be executed under the contract shall be executed under the direction and subject to the approval in all respects, of the engineer-in-charge who shall be entitled to direct at what points and in what manner they are to be commenced and from what time carried out.

**Clause: 11**

Expect where otherwise specified in the contract the decision of the Executive engineer shall be final, conclusive and binding on all parts to the contract upon all questions relating

to the specifications, designs, drawings and instructions here in before mentioned and as to the quality of workmanship or material used on the work or as to any other question claim, right matter or thing whatsoever in any way arising out of relating to the contract, designs, drawings, specifications, estimate instructions, orders or the conditions of otherwise concerning the works or executions or failure to execute the same whether arising during the progress of the work, or after the completion or abandonment thereof of the contact work.

**Clause: 12**

**Action where no specification:**

Such class of work as may not be covered by any of the Development Authority specifications shall be carried out in accordance instructions and requirements of the Engineer-in-charge.

**Clause: 13**

**Acceptance of condition compulsory before tendering for work:**

Any contractor who does not accept these conditions shall not allowed to tender for work.



## **Technical Specifications.**

### **Section - (A) General Conditions:**

- 1 Completeness of contract: All fittings accessories or apparatus, which may not have been specifically mentioned in the tender but which are useful or necessary for the effective working shall be provided by the tenderer without extra charged. All equipment and apparatus shall be complete in all details. Whether such details are mentioned in the specification or not.
- 2 The Workmanship shall be in the highest grade and the entire installation in accordance with the best modern practice.
- 3 The on air designs and installation shall be capable of withstanding the severest stresses likely to occur in actual service and existing rough handling transport.
- 4 Operation and Maintenance Instructions: The tenderer shall furnish to the Authority 3 copies of the draft operation and maintenance instructions for the equipment.
- 5 Test and test Certificates: In addition to the test as per I.S.I. Standards the Authority reserves the right to have any other responsible test carried out at the expense of the contractor at the manufacturer's premises. The authority shall be supplied with three copies of the results of all tests carried out on the equipment.

## **SERVICE TAX**

The contractor must have a valid service tax registration no. his quoted rates shall be inclusive of all taxes including services tax the contractor shall indicate in the running accounts bills/final bill the amount of service tax separately while raising the bills to PCNTDA. The contractor shall ensure compliance with service tax law & procedure proof of service tax registration & payment of service tax whenever required by PCNTDA. Thde amount of service tax shall be reimbursed on submission of proof of deposit the same with concerned authorities.

No employee/manpower deployed for the said job shall consume alcohol, cigarette/biddies/cigar/gutka & use chewing gum etc. or do any such act that spoils the housekeeping work. if anybody is found to be consuming the same, then a suitable financial penalty will be recovered from the agency without forfeiting PCNTDA right to expel the defaulting person from the PCNTDA forever.

## SCOPE OF WORK

PCNTDA has developed the project “**Traffic Park**” with a sole objective wherein learning to drive could be conducted as a systematic and progressive process, free from pedestrian movement to provide a safe environment for enabling citizens to learn to drive two wheelers as well as four wheeler light motor vehicles(LMV);

Traffic Park consists of a series of wide, single and two lane left side drive practice tracks, raised gradient and a subterranean road, which address the different levels of difficulties and complexities in vehicle control and maneuvers. PCNTDA has also provided within the said Traffic Park a Landscaped park along with a cafeteria and an open Amphitheater over a plot admeasuring 2.735 Hectares, situated in sector No. 6, Moshi, Pradhikaran.

PCNTDA has received the permission for implementing the automated driving testing system on the said traffic park and to conduct the driving testing under the guild lines of the Regional RTO office for LMV vehicles.

PCNTDA wants to develop the automated driving testing system based on image processing & edge detection technology on the said traffic park on leave and license agreement basis for the period of 7 years. The leave and license agreement will be done for 33 months. This leave and license will be renewed up to only for 7 years. This system will include the automated tracks, with the help of these tracks regional RTO office will conduct the driving test to issue the driving license. These automated driving testing system will be as follows.

Typical Standard Test Track included in the automated system –

<b>LMV</b>	<b>Motor Cycle</b>
8 Track	8 Track
Parallel Parking Track	
Gradient Track	

### **Buildings –**

Control Room – As per requirement

Waiting Area – As per requirement

Before commissioning of the project contractor /tender should be carried out resurfacing of road work with 25mm thick Bitumen Concrete ,Thermoplastic paint and painting in two coats of oil /Flat paint to

all kerb, divider. Longitudinal Profile and horizontal geometry shall remain unchanged. The chamber should be smoothly matched on the both the sides with existing road. The increasing/decreasing of any chamber has to be modified accordingly and should be matched with road surface. **Payment towards all above work has to be considered in offer only.**

- The test track construction must be as per the specifications / Drawing approved by PCNTDA.
- Necessary hardware shall be fitted on a poles / Gantries to capture video / images in real-time of the candidate taking the driving test.
- Control Room will be having all the required hardware i.e Local Workstation / Server.
- The local system architecture is connected to the Central Server. The Software shall be capable of uploading the data stored on the local server to centralized Server. Software will use the internet (Secured 1:1 lease line) bandwidth for transportation of the data. Local systems are connected in a secure network. All the requests coming from Public network to Private network are passed through firewall, therefore the data is secured. All the request are coming through Router / Firewall and all the cameras, printers, and servers are connected to Firewall via switch in Local Area Network.
- The Software System shall be able to plot and trace the path taken by the vehicle on various test tracks on a two dimensional image display on a computer console. The plotting of the path traced by the vehicle needs to be done with 98% accuracy.
- The system shall be non-intrusive .i.e it shall be capable of getting all the inputs of vehicle tracking without mounting any device inside or on the vehicle.
- The system shall be able to simulate view of track as per actual road without any visual obstacles / poles on the immediate side of tracks.
- The system shall be of low maintenance with 95% uptime .
- The system will perform several computations for determining driving competency of the driver such as standard direction followed, number of forwards and reverses, Identification of kerb hits and number of Kerb hits, average speed, time taken to complete the test, standard directions followed, deviations, stoppage during test, Partial test completion, etc for each test.
- The system software must interface with appropriate hardware which collects vehicle path information on real time basis as the vehicle moves on the test track and compares it with standard driving pattern.
- The System Software needs to have capability to save and retrieve the history of all tests conducted for the candidate which can be searched on basis of Candidate No.
- It must also save the evaluation results with time stamps and applicant's personal details along with the video of the test tracks in Database.
- 
- The system should provide easy retrieval of data through software for audits and evidence as and when required.
- A computer graphical printout can be given to the candidate which gives information such as vehicle speed, test duration etc. Every applicant will be given a print out of the driving test called as Performance Certificate at the exit gate.

- This result indicates the performance of the applicant with reference to the pass / fail parameters such as vehicle speed, reverses, kerb hit violation, test duration, standard direction, stoppages, standard deviation etc.
- The system will generate the result with test path traces and marks. The system should compute the result in less than 10 seconds after completion of each test.
- The Software shall be capable of Configuring the Test Parameters as given below.

Test Configuration Parameters to be allowed in Software (LMV, Two Wheelers)

- Number of reverses allowed.
- Number of stoppage allowed.
- Test duration
- Define Speed limit
- Number of kerb hits allowed
- Define Roll back in inches for Gradient Track
- Standard Deviation
- Kerb Hit
- Define Standard Path for each test track. Many experts MVI's will drive on the track and their driving patterns are to be stored in system along with videos. This data is to be used to generate the standard path for each track.
- The system should allow simultaneous testing of applicants in respective test track.
- The system should provide real time visual indication of every applicant's position on the test track.
- Configurable Test Sequence.
- The system should give a real time indication of violations.
- The system should provide statistical reports of the tests conducted approx. 30 reports.
- The software should provide facility to take regular backup / restore of the database.
- Database to be stored in the encrypted format. Video files, configuration files, pass/fail parameters, software output files etc to be secured properly.
- Any single point failure should not stop the operation of the system. Sufficient redundancy in hardware to be maintained.
- In order to have valid time stamps on the data, the computers at the testing station, shall be synchronized to the server of the Data Centre if any available.
- The Video data will be stored for the period of 60 days. The records of the applicant will be preserved for one year excluding video files. (After one year the records will be copied in external devices provided by the department.).
- The database to be maintained year wise.
- The system should generate alerts if any wrong result is generated due to technical problem.
- Each Test videos should have embossed date, time stamp and User ID. The video stream to contain the user id and is to be protected for any alternatives.
- Test View: Top Merge viewed from multiple cameras.
- All screens to be password protected by the Master users. Log file to be maintained for the activity of each system users including master /admin users.
- For all test pass / fail parameters, Master file is to be created. These parameters if changed in future, should not affect any previous records.
- **The developed system will be scalable to the future upcoming technology**

## **Standard Operating Procedure –**

- ❖ The system operator will login to the system using biometric identification only.
- ❖ The System shall synchronize the time once in Morning before starting of the test with Time server.
- ❖ All the test vehicles will be normal vehicles without any modifications like dual control. The transport department official may or may not accompany the applicant during the testing.
- ❖ Every applicant is expected to undergo the driving test using his own vehicle or provided by the motor driving school. The Center operator would also keep few vehicles ready to be given on hire to the applicants if required.
- ❖ The system shall be automatically capable to note once the vehicle exits the track and heads for second track

### **Typical test sequence will be as below.**

- ❖ Every applicant approaching the Driving test is expected to have prior obtained a LLR and taken a web appointment for the test. Every applicant is required to report to center 1 hour before the test time slot allotted to him. The system should also cater for certain no of applicants who would visit center with appointment taken on that day similar to TATKAL system.

#### **❖ Registration-**

- The Candidate arriving for test shall first report to the Registration desk.
- The LLR No would be used to verify the applicant details such as Applicant Name, Applicant Photo, ID No, Birth Date, Gender, Web Appointment Number, and Driving School Name if any.
- All the data will be stored in the database. Applicant related data entered during the application of license should be fetched from the Central Server (Dept. Server) using secured method of Web Service.
- The applicant record is authenticated using the Aadhaar Number and then the biometric inputs are matched against the stored data which was provided by the resident during enrollment process.
- Issue RFID Card to the candidate, which will have unique ID of the applicant.
- At the time of registration photo image will be taken by the registration desk officer and this photo image will be printed on the result sheet after test.

#### **❖ Training -**

- Before going to the test track for the driving test, every applicant will be given a training on the subject by the subject expert. The training will be for a duration of 20 minutes and would be given in a class room for batch size of 40 applicants. It will be the responsibility of the operator to provide suitable sized class room with necessary provisions including washroom (both for gents and ladies.), and a mini cafeteria. At the end of the training, every applicant would be given an attendance receipt which will be mandatory for him to show for giving the actual driving test on the track.

#### **❖ Test Start -**

- At every starting point of the test there will be a RFID reader & Traffic Signal. The RFID Reader will capture the RFID Tag from approx. distance of 5 meters.
- Start Test (Read RFID Tag and Turn Red Signal to Green)
- Once the RFID Tag is captured successfully, traffic signal will turn to Green.

- ❖ **Gradient Test – ( As per Rule 15 ( 3) of CMV Rules 1989 Clause – f , d, q )**
  - In Gradient Test (Vehicle will be stopped on the gradient before yellow / stop line for few seconds and again moved ahead without rolling back or permissible limit will be defined in inches and again moved forward).
  - The Test shall check the ability of candidate for clutch and gear control, efficient use of Clutch, handbrake and accelerator.
- ❖ **Parallel Parking Test – ( As per Rule 15 ( 3) of CMV Rules 1989 Clause – k,r )**
  - In parking test the candidates have to park the vehicle in given slot.
  - The test shall access the ability of candidate to park the vehicle with efficient use of reverse gear, steering control and simultaneous forward and backward
- ❖ **Eight track Test – ( As per Rule 15 ( 3) of CMV Rules 1989 Clause – k,r,q )**
  - The test checks the drivers ability for Sharp Turning, demonstrate general control of vehicle by confident left - right steering , smooth gear changing with braking when necessary and ability to drive on curves ,

If local RTO need any up gradation in above test's parameter then system have to be capable for such type of up gradation.

- ❖ At the end of the test i.e. at the exit point of the test track there would be Display through which System will declare result Pass or Fail.
- ❖ If any technical error arises while taking test, signal will turn into yellow prompting a retest of the candidate. Proper record to be maintained in system for all retest.
- ❖ Note: During any of the test in process i.e. parallel parking, Gradient, Forward Eight the traffic signal light should be red.
- ❖ After completion of test, applicant test result will be stored in pdf format with the photo of the applicant and result shall be handed over to the applicant.
- ❖ The tag will be returned by the applicant after completion of test.
- ❖ Database security: All the details of applicant to be stored in the database in encrypted format.
- ❖ The applicant data can be searched on ID / Name / Date.
- ❖ **Daily test report summary to be sent through automated email to designated multiple email ids, these email ids will be configured/ entered in the software.**

After successfully installation of the automated driving testing system the bidder has to take the all necessary permissions for the test track from the central/regional government authority.

## SPECIAL CONDITIONS

- 1) PCNTDA has developed the landscaped park along with a cafeteria and an open amphitheater. successful bidder has to maintain the above said facilities on his own cost. PCNTDA will allow successful bidder to commercially exploit certain part of the traffic park with the prior approval of the PCNTDA, by erecting advertisement hoardings and other allied purposes. However utmost care and precaution would be taken by the successful bidder to effect that no damage or harm is caused to any other portion of the traffic park on account of such commercial exploitation.
- 2) The jogging track facility in the traffic park shall be kept open by the successful bidder from 6 a.m. to 8 a.m. and from 6 p.m. to 8 p. m. at free of cost for the citizens.
- 3) The successful bidder shall be allowed to place a signage along the 20% periphery of traffic park , at its own cost.
- 4) The successful bidder shall not be entitled to use the traffic park for any purpose other than the purposes specified by the PCNTDA. If the successful bidder is found guilty of using the traffic park for any other purpose than authorized by the PCNTDA, then the PCNTDA shall at its sole discretion be entitled to levy penalty equivalent up to average annual license fee and shall also be entitled to terminate this agreement forthwith. If the successful bidder fails to pay the said penalty amount to the PCNTDA then the same shall be recovered from the interest free security kept by the successful bidder with the PCNTDA.
- 5) successful bidder shall not be entitled to carry out any alteration, removal or addition to the existing roads and civil structures, If the successful bidder requires to carry out any up-gradation, the same shall be carried out with express prior consent of the PCNTDA and the said up-gradation development shall conform to the state of the art facilities which shall be in sync with the existing facility.
- 6) successful bidder shall bear and pay all the statutory outgoing in respect of the traffic park including charges for electricity consumption, telephone usage, property tax, all types of taxes, water consumption charges and all other maintenance and/or incidental charges as would be raised by the concerned authority.
- 7) successful bidder have to carry out the maintenance of the landscape park, cafeteria, open amphitheater, jogging track and other civil structure of traffic park including compound wall at his own cost. No extra payment will be paid by PCNTDA. Successful bidder have to carry out the maintenance of the electrical installation installed in the traffic park.
- 8) successful bidder has to ensure that no nuisance or annoyance will be created to the other adjoining occupiers in the vicinity of the traffic park.
- 9) successful bidder shall strictly ensure that no alcohol or alcoholic beverages are not served or sold or consumed within the entire premises of the traffic park, and the entire traffic park is to be kept free from alcohol practices.
- 10) successful bidder has to follow the rules & regulations declared by government authorities/PCNTDA regarding the testing track & other allied property in the traffic park for whole contract period.
- 11) successful bidder shall take adequate measures to prevent encroachment in the entire premises of traffic park or any part thereof, including the parking areas along the access roads to the traffic park at the hands of hawkers or any other unauthorized person/s.



12) successful bidder shall keep and maintain the landscaped garden as well as the other portions of the traffic park in good conditions at all times and continuously during the subsistence of this agreement. The successful bidder shall also paint the relevant portions of the traffic park at regular intervals to make the same look attractive and presentable at all times during the subsistence of this agreement.

13) successful bidder is at a liberty to raise finance for carrying out the aforesaid project in a successful manner by obtaining loans , advances , cash credit facility etc. from Bank/s and /or financial institute/s , however the successful bidder having no right ,title or interest of any nature whatsoever in the traffic park shall not be entitled to mortgage or offer by way of security the traffic park or any part thereof to the bank/s and/or financial institute against the loans and /or advances obtained by the successful bidder from them.

14) After receipt of work order successful bidder has to create his own office set up in pune for regular work and for co ordination with PCNTDA.

15) The successful bidder have to construct all the 3 test tracks as mentioned in scope of work. If successful bidder fails to do so then security deposit and all completed work with all material will be forfeited. The completion certificate of the implementing the intelligent driving testing system will be issued only after successful start of the driving testing as per government norms and approved by appropriate government authority.

16) successful bidder has rights to collect the fees for use of testing tracks of intelligent driving testing system as per direction of PCNTDA based on government norms and all the other facilities developed by PCNTDA.

17) The successful bidder has to pay the lump sum rent to PCNTDA as mentioned in the offer per month basis from the date of issue of the work order.

18) The choice of make/brand and type of required accessories, material, fixtures etc will be decided by PCNTDA. The decision of PCNTDA will be binded to Successful bidder.

19) All electrical works are to be carried out by authorized person only and strictly as per relevant Indian Electricity Act and Rules with prior approval of PCNTDA. Also for civil work should be carried out by appropriate registered contractor of Govt. of Maharashtra with prior approval of PCNTDA.

20) It will be the responsibility of contractor to coordinate with regional RTO office, CIRT Pune & all allied authorities of government office for obtaining their permission to install and run the intelligent driving testing system successfully.

21) successful bidder have to strictly follows the term and conditions as per current state and central government norms/resolution/notification/orders etc.

22) PCNTDA is and shall always be the sole & lawful owner of the traffic park with all allied facilities, structures, accessories and intelligent driving testing system even after the completion of the contract period.

23) Successful bidder has to take the permission for the construction of the control room in the traffic park from the planning department of the PCNTDA.

24) Successful bidder has to handover the traffic park with all allied facilities, structures, accessories and intelligent driving testing system in good working condition to PCNTDA after completion of the contract period. If any defects identified in the above system at the time of handing over PCNTDA will deduct the such amount required for maintenance from security deposit paid by the bidder.

25) The ownership of said premises shall always remain with PCNTDA and the Successful bidder is only permitted to use the said premises for the period mentioned under leave and license agreement. It is not intended to create the relationship of landlord and tenant by execution of the agreement of the leave and license.

26) The Successful bidder is at liberty to carry out fitting, fixtures, furniture and interior work in said premises at its own cost however with the permission from PCNTDA.

27) In case of any disputes between Successful bidder and PCNTDA the court/s at Pune shall have exclusive jurisdiction to try and decide the same.

28) The Successful bidder shall manage the safety of the learners, visitors and the working staff while operating the facilities at the said property and simultaneously also adhere to the health and environmental issue strictly with ISO standards.

29) Save as what is stated in clause No. 25 herein above if the Successful bidder commits any breach of the terms and conditions of this agreement the PCNTDA shall be entitled to forth with terminate the license without any notice and upon such event the period of the license ( period of subsistence of this agreement) shall be deemed to have been reduced accordingly. Additionally PCNTDA shall be entitled to recover damage at the rate as deemed fit by PCNTDA as well as cost if any incurred by the PCNTDA on account of the breaches if any committed by the Successful bidder.

30) Nothing herein content shall be constructed as creating or constituting any rights, interest, easement, lease, tenancy of sun tenancy in favor of the Successful bidder or any other person. Successful bidder hereby granted is pure license to use the said property for the limited purpose and limited duration and subject to the terms and condition herein content. Nothing in this license shall be deemed to authorized Successful bidder to be in exclusive possession over the same. Likewise even the exclusive ownership right in respect of the said property is that PCNTDA. And the Successful bidder shall not be entitled to claim any ownership right or any other right akin to that of ownership in respect of the said property.

31) That the stamp duty, registration charges and all other incidental charges including the professional charges payable shall be born by the successful bidder.