

## Guidelines to Vender on the operations of Electronic Tendering System of Land Records Department

<http://revenue.maharashtra.etenders.in>

### A. Pre-requisites to participate in the Tenders process by Revenue And Forest Department:

#### 1. Registration of Vender on Electronic Tendering System and empanelment on Sub - Portal of Revenue:

The Vender already registered in Land Records Department of GoM and interested in participating in the e-Tendering process of Land Records Department shall be required to enrol on the Electronic Tendering System to obtain User ID.

After submission of application for enrolment on the System, the application information shall be verified by the Authorized Representative of the Service Provider. If the information is found to be complete, the enrolment submitted by the Vendor shall be approved.

In addition to store Vender registration details in the System, the Vender will have to apply for his empanelment in appropriate class on the Sub - Portal of Revenue by uploading a scanned copy of Registration Certificate issued by Land Records Department of GoM.

In case the Vender upgrades his / her registration in Land Records Department of GoM, the Vender is required to immediately upload the scanned copy of the upgraded Registration Certificate on the Land Record <http://revenue.maharashtra.etenders.in> e-Tendering Portal. Whether in case of fresh empanelment or upgradation of existing empanelment, the Vender are also required to intimate the Competent Authority in Land Records Department by email on email address (principallrts@rediffmail.com) with the subject line request for approval of empanelment / request for approval of upgradation of empanelment along with the scanned copy of the Registration Certificate. It may take upto a maximum of seven (7)

working days to approve the request for approval of empanelment / request for approval of upgradation of empanelment.

The Vender may obtain the necessary information on the process of enrolment and empanelment either from Helpdesk Support Team or may visit the information published under the link Enrol under the section E-Tendering Toolkit for Bidders on the Home Page of the Electronic Tendering System.

#### 2. Obtaining a Digital Certificate:

The Bid Data that is prepared online is required to be encrypted and the hash value of the Bid Data is required to be signed electronically using a Digital Certificate (Class - II or Class - III). This is required to maintain the security of the Bid Data and also to establish the identity of the Vendor transacting on the System.

The Digital Certificates are issued by an approved Certifying Authority authorized by the Controller of Certifying Authorities of Government of India through their Authorized Representatives upon receipt of documents required to obtain a Digital Certificate.

Bid data / information for a particular Tender may be submitted only using the Digital Certificate which is used to encrypt the data / information and sign the hash value during the Bid Preparation and Hash Submission stage. In case, during the process of preparing and submitting a Bid for a particular Tender, the Contractor loses his / her Digital Signature Certificate (i.e. due to virus attack, hardware problem, operating system problem); he / she may not be able to submit the Bid online. Hence, the Users are advised to store his / her Digital Certificate securely and if possible, keep a backup at safe place under adequate security to be used in case of need.

In case of online tendering, if the Digital Certificate issued to an Authorized User of a Partnership Firm is used for signing and submitting a bid, it will be considered equivalent to a no

objection certificate / power of attorney to that User to submit the bid on behalf of the Partnership Firm. The Partnership Firm has to authorize a specific individual via an authorization certificate signed by a partner of the firm (and in case the applicant is a partner, another partner in the same form is required to authorize) to use the digital certificate as per Indian Information Technology Act, 2000.

Unless the Digital Certificate is revoked, it will be assumed to represent adequate authority of the Authority User to bid on behalf of the Firm for the Tenders processed on the Electronic Tender Management System of Government of Maharashtra as per Indian Information Technology Act, 2000. The Digital Signature of this Authorized User will be binding on the Firm. It shall be the responsibility of Partners of the Firm to inform the Certifying Authority or Sub Certifying Authority, if the Authorized User changes, and apply for a fresh Digital Signature Certificate. The procedure for application of a Digital Signature Certificate will remain the same for the new Authorized User.

The same procedure holds true for the Authorized Users in a Private / Public Limited Company. In this case, the Authorization Certificate will have to be signed by the Director of the Company or the Reporting Authority of the Applicant.

For information on the process of application for obtaining Digital Certificate, the Vender may visit the section Digital Certificate on the Home Page of the Electronic Tendering System.

3. Recommended Hardware and Internet Connectivity:

To operate on the Electronic Tendering System, the Vender are recommended to use Computer System with at least 1 GB of RAM and broadband connectivity with minimum 512 kbps bandwidth. However, Computer Systems with latest i3 / i5 Intel Processors and 3G connection is recommended for better Performance.

4. Set up of Computer System for executing the operations on the Electronic Tendering System:

To operate on the Electronic Tendering System of Government of Maharashtra, the Computer System of the Vender is required be set up. The Vender are required to install Utilities available under the section Mandatory Installation Components on the Home Page of the System.

The Utilities are available for download freely from the above mentioned section. The Vender are requested to refer to the E-Tendering Toolkit for Bidders available online on the Home Page to understand the process of setting up the System, or alternatively, contact the Helpdesk Support Team on information / guidance on the process of setting up the System.

5. Payment for Service Provider Fees:

In addition to the Main Bidding process fees payable to Land Records Department, the Vender will have to pay Service Providers Fees of Rs. 1,038/- through online payments gateway service available on Electronic Tendering System. For the list of options for making online payments, the Vender are advised to visit the link E-Payment Options under the section E-Tendering Toolkit for Bidders on the Home Page of the Electronic Tendering System

B. Steps to be followed by Vender to participate in the e-Tenders processed by Land Records Department

1. Preparation of online Briefcase:

All Vender enrolled on the Electronic Tendering System of Government of Maharashtra are provided with dedicated briefcase facility to store documents / files in digital format. The Vender can use the online briefcase to store their scanned copies of frequently used documents / files to be submitted as a part of their bid response. The Vender are advised to store the relevant documents such as Registration Certificate of Land Records Department of GoM, PAN Card, VAT Registration Certificate, Professional Tax Registration Certificate, EPF Registration Certificate, Certificates of Works completed, in the briefcase, etc. so as to avoid scanning /

uploading process for each Tender.

In case, the Vender have multiple documents under the same type (e.g. multiple Work Completion Certificates) as mentioned above, the Vender advised to either create a single .pdf file of all the documents of same type or compress the documents in a single compressed file in .zip or .rar formats and upload the same.

It is mandatory to upload the documents using the briefcase facility. Therefore, the Vender are advised to keep the documents ready in the briefcase to ensure timely bid preparation.

Note: Uploading of documents in the briefcase does not mean that the documents are available to Land Records Department at the time of Tender Opening stage unless the documents are specifically attached to the bid during the online Bid Preparation and Hash Submission stage as well as during Decryption and Re-encryption stage.

## 2. Online viewing of Detailed Notice Inviting Tenders:

The Vender can view the Detailed Tender Notice along with the Time Schedule (Key Dates) for all the Live Tenders released by Land Records Department on the home page of Land Records Department e-Tendering Portal on <http://revenue.maharashtra.etenders.in> under the section Recent Online Tender.

## 3. Download of Tender Documents:

The Main Bidding Documents are available for free downloading by eligible Vender registered in appropriate class of Land Records Department of GoM and empanelled on <http://revenue.maharashtra.etenders.in> e-Tendering Portal.

## 4. Online Bid Preparation and Submission of Bid Hash (Seal) of Bids:

Submission of Bids will be preceded by online bid preparation and submission of the digitally signed Bid Hashes (Seals) within the Tender Time Schedule (Key Dates) published in the Detailed Notice Inviting Tender. The Bid Data is to be prepared in the templates provided by the Tendering Authority of Land Records Department. The templates may be either form based, extensible tables and / or uploadable documents. In the form based type of templates and extensible table type of templates, the Vender are required to enter the data and encrypt the data using the Digital Certificate.

In the uploadable document type of templates, the Vender are required to select the relevant document / compressed file (containing multiple documents) already uploaded in the briefcase.

### Notes:

- a. The Vender upload a single document or a compressed file containing multiple documents against each uploadable option.
- b. The Hashes are the thumbprint of electronic data and are based on one - way algorithm. The Hashes establish the unique identity of Bid Data.
- c. The bid hash values are digitally signed using valid Class - II or Class - III Digital Certificate issued by any Certifying Authority. The Vender are required to obtain Digital Certificate in advance.
- d. After the hash value of bid data is generated, the Vender cannot make any change / addition in its bid data.
- e. This stage will be applicable during Financial Bidding Processes.

## 5. Close for Bidding (Generation of Super Hash Values):

After the expiry of the cut - off time of Bid Preparation and Hash Submission stage to be completed by the Vender has lapsed, the Tender will be closed by the Tender Authority. The Tender Authority from Land Records Department shall generate and digitally sign the Super Hash values (Seals).

## 6. Decryption and Re-encryption of Bids (submitting the Bids online):

After the time instant for Generation of Super Hash values by the Tender Authority from Land Records Department has lapsed, the Vender have to make the online payment of Rs. 1,038/- towards the fees of the Service Provider.

After making online payment towards Fees of Service Provider, the Vender are required to upload scanned copy of separate challans in support of payment of the Processing Fees and Earnest Money Deposit (EMD) deposited in the account of Principal, Land Records Training Academy, Aurangabad as per the details provided in Annex A.

The Vender are required to decrypt their bid data using their Digital Certificate and immediately reencrypt their bid data using the Public Key of the Tendering Authority of the Land Records Department. The Public Key of the Tendering Authority is attached to the Tender during the Close for Bidding stage.

Note: The details of the Processing Fees shall be verified and matched during the Tender Documents Opening stage.

The details of the Earnest Money Deposit and Processing Fees shall be verified and matched during the Main Tender Opening event.

The Vender are required to decrypt their bid data using their Digital Certificate and immediately reencrypt their bid data using the Public Key of the Tendering Authority of the Land Records Department. The Public Key of the Tendering Authority is attached to the Tender during the Close for Bidding stage.

Note: At this time, the Vender are also required to upload the files for which they generated the Hash values during the Bid Preparation and Hash Submission stage.

The Bid Data and Documents of only those Vender who have submitted their Bid Hashes (Seals) within the stipulated time (as per the Tender Time Schedule), will be available for decryption and re-encryption and to upload the relevant documents from Briefcase. A Vendor who has not submitted his Bid Preparation and Hash Submission stage within the stipulated time will not be allowed to decrypt / re-encrypt the Bid data / submit documents. This stage will be applicable during both, Financial Bidding Processes.

#### 7. Shortlisting of Vender for Financial Bidding Process:

The Tendering Authority will first open the Technical Bid document and after scrutinizing these documents will shortlist the Vender who are eligible for Financial Bidding Process. The shortlisted Vender will be intimated by email.

#### 8. Opening of in the Financial Bids:

The Vender may remain present in the Office of the Tender Opening Authority at the time of opening of Financial Bids. However, the results of the Financial Bids of all Vender shall be available on the <http://revenue.maharashtra.etenders.in> e-Tendering Portal immediately after the completion of opening process.

#### 9. Tender Schedule (Key Dates):

The Vender are strictly advised to follow the Dates and Times allocated to each stage under the column "Contractor Stage" as indicated in the Time Schedule in the Detailed Tender Notice for the Tender. All the online activities are time tracked and the Electronic Tendering System enforces time-locks that ensure that no activity or transaction can take place outside the Start and End Dates and Time of the stage as defined in the Tender Schedule.

At the sole discretion of the Tender Authority, the time schedule of the Tender stages may be extended.

Form No. :  
Sold to :

**<b><div align=center>GOVERNMENT OF MAHARASHTRA<br>**

**OFFICE OF THE<br>  
PRINCIPAL, LAND RECORDS TRAINING ACADEMY, AURANGABAD<br>**

**DAMADI MAHAL, NEAR PANCHAYAT SAMITI, <br>  
AURANGBAD 431001<br>**

**ON LINE TENDER CONDITIONS<br><br>**

**FOR<br>**

**SUPPLY OF GLOBAL POSITIONING SYSTEM MACHINE ALONG WITH<br>  
ESSENTIAL ACCESSORIES FOR <br>**

**The Office of Principal, Land Records Training Academy, Aurangabad. <br></b></div>**

<b>Subject</b>	GPS Machine with all accessories
<b>Estimated Prize</b>	12.00 lakh
<b>Tender from fee Rs.</b>	2000/-
<b>EMD Rs.</b>	36000/-
<b>Tender Release date</b>	07/03/2013 11.00 hrs
<b>Tender Download date</b>	21/03/2013 16.00 hrs
<b>Online Tender Submission date</b>	22/03/2013 16.00 hrs
<b>Tender Fees and EMD Submission in Office</b>	22/03/2013 16.00 hrs
<b>Last Date for Online Submission of Tender</b>	22/03/2013 17.00 hrs
<b>Opening of Technical Bid online</b>	25/03/2013 16.00 hrs
<b>Opening of the Financial Bid online</b>	28/03/2013 16.00 hrs

<b>Sr. No.</b>	<b>Item</b>	<b>Cost of Tender Form</b>	<b>E.M.D</b>
<b>1</b>	<b>GLOBAL POSITIONING SYSTEM MACHINE</b> (Dual Frequency GPS instrument) WITH ALL ESSENTIAL ACCESSORIES AND SURVEY SOFTWARE	<b>Rs. 2000/-</b>	<b>Rs. 36,000/-</b>

PLACE OF RECEIPT : Office of the Principal, Land Records Training Academy, Aurangabad  
Damadi Mahal, Near Panchayat Samiti, Aurangabad - 431 001.

**‘A’ ENVELOPE**

**TO BE USED ONLY BY THE PERSON / FIRM TO WHOM SOLD**

Form No.  
Sold to

**LETTER**

To,  
Principal,  
Land Records Training Academy,  
Aurangabad.  
Damadi Mahal, Near Panchayat Samiti,  
Aurangabad 431 001

Sir,

I / We hereby accept the terms and conditions mentioned in the Tender for supply/Rate Contract of Global Positioning System Machine (GPS) along with essential accessories for various offices in the State of Maharashtra.

I / We agree that the offer shall remain open for acceptance for a minimum period of 90 days from the date fixed for opening the tender and thereafter till it is withdrawn by me/us by notice in writing duly addressed to the authority opening the tender and sent by registered post or delivered at the office of such authority.

Demand draft of Nationalized Bank No.(s)\_\_\_\_\_dated \_\_\_\_/\_\_\_\_/2013 for Rs. 36,000/- payable at Aurangabad in favour of Principal, Land Records Training Academy, Aurangabad towards the earnest money is /are enclosed.

I / We understand that, the amount of earnest money will not bear interest and shall be liable to be forfeited to the Government if I/we fail (i) to keep the offer open for the period mentioned above and (ii) if this offer is accepted, fail to sign and complete the contract documents as required by the Principal, Land Records Training Academy, Aurangabad or furnish the security deposit as specified under terms and conditions of the contract. The amount of earnest money may be adjusted towards the security deposit or refunded to me/us unless the same or any part thereof has been forfeited as aforesaid.

Date :  
Full Address :  
with Telephone  
& Fax No & Email address.

Name in block letters.\_\_\_\_\_  
Signature of the Vendor along with seal

## CHECK LIST

(To be filled and signed by the Vendor)

Name and Address :

Tender No. :

Last Date & Time of submission of Online : 22-03-2013 at 16.00 Hrs

Tender

Date of Technical Bid opening : 25-03-2013 at 16.00 Hrs

Date of Commercial Bid opening : 28-03-2013 at 16.00 Hrs

**Note – Please upload scanned true copy**

Sr. No.	Particulars	To be filled by Vendor		Page No.
1	EMD of Nationalized Bank in form of DD Rs. 36,000/-	Yes/No		
2	Proof of presence of company/Manufacturers/Authorized dealers for 10 years in Indian Market (Registration Certificate, ISO, Authorization from OEM)	Specify in brief		
3	Branch office and service center in Maharashtra (shop and establishment act certificate, other)	Specify in brief		
4	No. of service engineers in Maharashtra branch office (give details)			
5	Regular supply of G.P.S. in every year for Govt offices/private parties for last 10 years in India (Year	Year	No	
			Gov Pvt.	

	wise list with name in tabular form should be provided from 2002 to 2012)	2002-2003 2003-2004 2004-2005 2005-2006 2006-2007 2007-2008 2008-2009 2009-2010 2010-2011 2011-2012			
6	Turn over (T.O.) from this business should not be less than 5 Crore in every last 3 consecutive F.Y.year 2009-10, 2010-11, 2011-2012 (Copy of Audited Profit and Loss statement/balance sheet and/or copy of the letter/certificate from a Chartered Accountant regarding the turnover and the net worth)	Year 2009-2010 2010-2011 2011-1012	T.O.Rs in Cr		
7	Information of at least 3 orders (individual or combine to make one from single office) for more than 1 crore for the last 2 Financial years from any of the Government Department in India for Total Station and GPS. (Copy for proof)	2010-2011 2011-2012			
8	Income Tax, filled for F.Y. Year 2009-10, 2010-11, 2011-2012 (Provide a copy of proof of payment)	Year 2009-2010 2010-2011 2011-2012	<b>Yes/No</b> <b>Yes/No</b> <b>Yes/No</b>		
9	Sale Tax returns filled for F.Y. Year 2009-10, 2010-2011, 2011-2012, (Provide a copy of proof of payment)	Year 2009-2010 2010-2011 2011-2012	<b>Yes/No</b> <b>Yes/No</b> <b>Yes/No</b>		
10	Model no. and Product brochure	<b>Model No.</b> _____			

I hereby state that

A. I/we are not insolvent.

B. I/we are not black listed to participate any tender in India.

C. I/we are not having any pending case in any court/forum.

D. I/we has not been convicted in a court of law for offenses involving moral turpitude.

E. The above information is true and if found wrong or fraudulent I/we shall be liable to disqualify at any stage during this tender process.

Signature of Vendor

---

Tender is Valid/ Invalid		
Member Secretary		Member
Member		Member
Member		Member
Chairman		
Tender Opening Authority		

**‘B’ ENVELOPE**

**COMMERICAL OFFER - TENDER FORM**

**SUPPLY OF GLOBAL POSITIONING SYSTEM (GPS MACHINE) WITH ESSENTIAL ACCESSORIES AND  
SURVEY SOFTWARE**

[ TO BE RETURNED WITH THE TENDER TO THE PURCHASE OFFICER,  
PRINCIPAL, LAND RECORDS TRAINING ACADEMY, AURANGABAD]

Schedule Tender No. :  
Pre Bid Meeting :  
Last Date of submission of Tender : 22-03-2013 up to 16.00 Hrs  
Technical Evaluation of Machine : 26-03-2013 at Land Records Training  
Academy Aurangabad on 08.00 a.m.  
Date of Commercial Opening of Tender : 28-03-2013 at 16.00 Hrs  
Offer valid till : 90 days from the opening of Tender

Following items are covered for supply of Land Records Training Academy Aurangabad.

Sr. No.	Description	Quantity	Unit Price in Indian Rs. inclusive of all types of Taxes (excluding Octroi)
1	Dual frequency GPS receiver	2	
2	Dual frequency antenna	2	
3	Antenna cable 10 m long	2	
4	Antenna cable 1 m short	2	
5	Power/data download cable	2	
6	External battery power cable	2	
7	Compact flash card (1GB)	2	
8	Post processing software	1	
9	Manual CD/Hard copy	1	
10	Tripod wooden	2	
11	Tri batch	2	
12	Tri batch adopter	2	
13	Height Rod/Measuring Tap	2	

14	AC adopter	2
15	Li-ion battery	2/4 (incase of dual battery)
16	Carrying case box	2
17	Hand held controller	2
18	Charger for hand held controller	2
19	Carrying case	2
20	Stylus	4
21	Getting starter guide book	2
22	USB data cable	2
	Total (1 to 22)	

(Rs. in words \_\_\_\_\_)

The rates quoted by me/us shall remain in force for 03 months from the date of acceptance of the tender and it shall be binding on us to ensure the supply at the rates sanctioned.

Therefore I/We agree the rates quoted by me/us shall remain in force for 03 months from the signing of contract and it shall be binding on us to ensure the supply at the rates sanctioned, to office of Principal, Land Records Training Academy, Aurangabad irrespective of quantity.

Date :  
Full Address :  
with Telephone  
& Fax No & Email address.

Name in block letters.\_\_\_\_\_  
Signature of the Vendor along with seal

**Tenders condition prescribed for the advertisement published by**  
**PRINCIPAL, LAND RECORDS TRAINING ACADEMY, AURANGABAD**

**TENDER CONDITIONS**

**1. Scope of Work :**

The Government of India have decided to implement the Centrally-Sponsored scheme in the shape of the National Land Records Modernization Programme (NLRMP) by merging two existing Centrally-Sponsored Schemes of Computerization of Land Records (CLR) and Strengthening of Revenue Administration and Updating of Land Records (SRA&ULR) in the Department of Land Resources (DoLR), Ministry of Rural Development. The integrated programme would modernize management of land records, minimize scope of land/property disputes, enhance transparency in the land records maintenance system, and facilitate moving eventually towards guaranteed conclusive titles to immovable properties in the country. The components of the programme are Computerization of all land records including mutations, Digitization of maps and integration of textual and spatial data, Survey/re-survey and updation of all survey and settlement records including creation of original cadastral records wherever necessary, Computerization of registration and its integration with the land records maintenance system, Development of core Geo-spatial Information System (GIS) and capacity building.

The Surveyor of Deputy Superintendent of Land Records office at Taluka level carries out Land measurement work. Presently use of Plain Table is prominent. To cope with present requirement Plain Table are to be replaced with ETS and GPS Technique. Land Records Training Academy, Aurangabad is state level training Academy whose work is to teach educate the such modern techniques to the Government Employee particularly of Land records Department. Government of India and Government of Maharashtra sanctioned funds for the Purchase of GPS Machine.

The rates quoted by the bidder shall remain in force for 03 months from the date of acceptance of the tender and it shall be binding on the successful bidder to ensure the supply at the rates sanctioned.

**2. Eligibility Criteria for participation**

- a. Presence of company / manufactures / authorized dealers for 10 years in Indian market
- b. Branch office and service center in Maharashtra with sufficient number of service engineers.
- c. Regular supply in every year for Government offices and Private parties for last 10 years (Year wise list should be provided from 2002 to 2012)
- d. Proven Branded products which are used by large numbers of users in India.

- e. Turn over not less than 5 Crore in every last 3 consecutive year (2009-10, 2010-11, 2011-12)
- f. Should have at least 3 orders (individual or combine to make one from single office) for more than 1 crore for the last 2 Financial years (2010-2011, 2011-2012) from any of the Government Department in India for Total Station and GPS.
- g. Income Tax, Sale Tax returns filled for year 2009-2010, 2010-11, 2011-12.
- h. Tender submitted by a vendor who is insolvent, or who has been convicted in a court of law for offenses involving moral turpitude or who has been black listed shall be treated as invalid and EMD along with such tender shall be forfeited to the Government.

The attested true copy of above should be enclosed with the tender and Original should be produced for verification at the time of opening of tender.

### 3. Technical Qualification

Following are the technical qualifications for Dual frequency GPS.

#### A Specification for Receiver

Sr. No.	CHARACTERISTICS	SPECIFICATION
1	Horizontal	$\pm 5$ mm + 0.5 ppm RMS
2	Vertical	$\pm 10$ mm + 1 ppm RMS
3	Casing	Tough, lightweight
4	Temperature	
	Operating	-20 <sup>0</sup> c to +65 <sup>0</sup> c (-40 <sup>0</sup> F to +149 <sup>0</sup> F)
	Storage	-40 <sup>0</sup> c to +75 <sup>0</sup> c (-40 <sup>0</sup> F to +176 <sup>0</sup> F)
5	Humidity	95 to 100% condensing
6	Water/dustproof	IP67 dustproof, protected from temporary immersion to depth of 1 m (3.28 ft)
7	Power input	10.5 V DC to 28 V DC with over – voltage protection Two rechargeable, removable 7.4 V, 2.4 Ah Lithium-ion batteries in internal battery compartments.
8	Power consumption	4.0 W for receiver only (tracking and logging)

#### B. Specification of GPS Antenna

Sr. No.	CHARACTERISTICS	SPECIFICATION
1	Minimum tracking elevation	0 Degrees
2	Practical tracking elevation	<3 Degrees
3	Supported positioning signal bands	L1/L2
5	Phase center accuracy	2 mm or better
6	Phase center repeatability	<1 mm
7	Maximum phase center eccentricity	2 mm
9	Shock rating 2 m (6.56 ft) drop	
10	Humidity	95 to 100% humidity proof, fully sealed
11	Temperature	
	Operating	- 20 <sup>0</sup> c to + 60 <sup>0</sup> c

	Storage	- 40 <sup>0</sup> c to + 75 <sup>0</sup> c
--	---------	--

C. Software- All software should be window based.

**GPS machines not fulfilling above criteria will be rejected.**

#### 4. Procedure for selection of Vendor

**4.1 Two bid system** - Selection of Vendor will be carried out by the process of two bid selection method i.e. technical bid and commercial bid. The Vendor who is fulfilling eligible criteria as per point no. 2 will be evaluated for technical bid. Technical bid will be of 100 marks and commercial bid will be of 100 marks. Vendor obtaining highest marks by adding technical marks and commercial marks will be selected. Successful tender will be awarded tender.

#### 4.2 Evaluation criteria and marking system for technical bid

Sr. No.	Technical Description	Marking Criteria	Marks
<b>A</b>	<b>GPS Receiver</b>		
1	Accuracy - Horizontal	+3 mm + 0.2 ppm or better	10
2	Accuracy - Vertical	+ 4 mm + 0.4 ppm or better	10
3	Initialization time	typically < 10 seconds	10
4	Casing	Tough, lightweight	10
5	Temperature		10
	Operating	-20 <sup>0</sup> c to +65 <sup>0</sup> c	
	Storage	- 40 <sup>0</sup> c to +75 <sup>0</sup> c	
6	Humidity	95 to 100% condensing	10
7	Water/dustproof	IP67 dustproof, protected from temporary immersion to depth of 1 m (3.28 ft)	10
8	Power input	10.5 V DC to 28 V DC with over – voltage protection Two rechargeable, removable 7.4 V, 2.4 Ah Lithium-ion batteries in internal battery compartments	10
9	Power consumption	4.0 W for receiver only (tracking and logging)	10
10	Operating times on internal battery	>10 hours post processed	10
11	Data Storage	1 GB compact Flash memory	10
12	GNSS Antenna	Dual frequency, high gain integrated antenna with sub mm phase center repeatability	10
13	Controller specification	Display – colour, day light readable with back light illumination and should display all required parameters for GPS observations viz. real time lat and long, elepside height PDOP sky plot of satellite signal to noise ratio etc Keyboard – Alfa numeric	10
14	No. of channels	72	10
15	operating system	Windows	10
<b>B</b>	<b>GPS Antenna</b>		
16	Minimum tracking elevation	0 Degrees	10

17	Practical tracking elevation	<3 Degrees	10
18	Supported positioning signal bands	L1/L2/L5/G1/G2/G3/E1/E2/E5ab/E6/Compass	10
19	Supported SBAS Signal bands MSAS, OmniStar	WAAS, EGNOS, QZSS, Gagan	10
20	Phase center accuracy	2 mm or better	10
21	Phase center repeatability	<1 mm	10
22	Maximum phase center eccentricity	2 mm	10
23	Antenna gain	50 dB $\pm$ 2dB	10
24	Shock rating 2 m (6.56 ft) drop		10
25	Humidity	100% humidity proof, fully sealed	10
26	Temperature		10
	Operating	- 20 <sup>0</sup> c to + 60 <sup>0</sup> c	
	Storage	- 40 <sup>0</sup> c to + 75 <sup>0</sup> c	
<b>27</b>	<b>RTK</b>		
	i) RADIO	: powerful, with range not less than 5 km..	
	ii) initialization time	less than 10 seconds	
	iii) complete RTK kit	including range pole / antenna must, internal battery and internal radio / external radio, UHF antenna, controller, bracket or controller, back pack / bracket for carrying receiver.	
<b>C</b>	<b>Post processing software</b>		
28	operating system	Windows	10
29	Importing Raw data	Should be able to import Raw data from the GPS/GLONASS/Gallelio receiver as well as RINEX data. Also should be able to import Raw data as well as precise ephemeris data via internet IGS data format	10
29	Baseline processing	Should be capable of processing GPS L1 and L2 as well as Gallelio/GLONASS Raw data	10
30	Network adjustment	Should be able to perform network adjustment using least square adjustment principal	10
31	Export	Capable of exporting the data in RINEX format as well as in CAD format and ASCII	10
32	Reporting	Software should be capable of generating reports directly for the survey data	10
33	Datum Transformation	Capable of transferring the data from one datum to another for given set of common points with or without knowledge of datum	10
34	Feature coding	Software should support feature coding	10
<b>D</b>	<b>Output checking</b>	Demo field measurement	50

**Technical marks will be converted into percent marks**

#### **4.3 Evaluation criteria and marking system for commercial bid**

Lower price Vendor will be given 100 marks and subsequently lower marks in proportion will be given to other Vendors considering their price quote. for e.g.

Vendor	Price quote
A	Rs. 520000
B	Rs. 480000
C	Rs. 600000
D	Rs. 512000

#### **4.4 Commercial marks will be given as follows**

Formula : commercial marks = Rs. quote of L1 \* 100 / Rs. quote of Vendor

Vendor	Price quote		Marks
A	Rs. 520000	L3	92.30
B	Rs. 480000	L1	100
C	Rs. 600000	L4	80.00
D	Rs. 512000	L2	93.75

#### **4.5 Final calculation**

Vendor	Technical marks (percentage)	Commercial marks	Total	Remarks
A	92.52	92.30	184.82	
B	70.70	100	170.70	
C	80.98	80.00	160.98	
D	94.34	93.75	188.09	selected for awarding tender

### **5. Instruction for submitting Tender**

One Vendor is allowed to bid for one model only. Vendor bidding for two or more models in one tender is liable to rejected.

**Envelope No. 1** This envelope should be marked as “**Technical Tender Envelope.**” It should contain forwarding letter with sign and seal, checklist with sign and seal along with all documents mentioned in checklist and Tender Form Terms and Conditions

The **second envelope** should contain only COMMERCIAL OFFER - TENDER FORM duly signed and seal. This envelope should be marked as “**Commercial Tender Envelope.**”

Both these separate envelopes should be properly sealed, signed and put in **THIRD** envelope, which also should be neatly sealed signed and superscripted mentioning tender number.

**Tenders not submitted as per the above-prescribed manner will be treated as invalid.**

**6. Terms and conditions –**

- 6.1 Tender forms are to be submitted on line.
- 6.2 Preliminary Scrutiny :- The purchaser will scrutinize the offers to determine whether they are complete, whether required technical documentation have been furnished, whether the documents have been properly signed, and whether the offers are in order. A tender offer determined as not substantially responsive will be rejected by the Purchaser and the commercial bid for such Vendor will not be opened. The Purchaser may waive any minor infirmity or irregularity in a tender offer, which does not constitute a material deviation. This shall be binding on all Vendor and the Purchaser reserves the right of such waivers.
- 6.3 Bidder should not be insolvent, or black listed by any organization/Institution. Also he should not be convicted in any court of law for offences involving moral turpitude. In such case EMD along with such tender will be treated as invalid and EMD along with such tender shall be forfeited to the Government.
- 6.4 Earnest Money Deposit of Rs. 36,000/- should be paid in the form of Demand Draft. Those claiming exemptions to E.M.D should submit necessary papers. In such case Registration Number and date should be furnished, failing which the tender will not be considered. Attested Photostat copy of valid registration certificate should accompany the tender. Demand Draft may be drawn on the Nationalized Bank in the name of Principal, Land Records Training Academy, Aurangabad. Cheques will not be accepted.
- 6.5 If called for, the Vendor shall have to produce test certificate for the items he has quoted from the authorities as directed by Settlement Commissioner & Director of Land Records or Principal, Land Records Training Academy, Aurangabad. The entire cost of test shall be borne by Vendor.
- 6.6 Successful Vendor will have to pay Security Deposit 10 % of total value of Material within 7 days of such intimation in the form of Bank Guarantee valid upto Six years.
- 6.7 The attested photocopy of valid S.S.I. Registration stating items manufactured should be accomplished with tender if applicable.
- 6.8 Rate should be quoted F.D./F.O.R. Destination in Maharashtra State. Rate should be quoted in Indian currency (in Rs. only) inclusive of all Taxes (Excise, VAT), duties etc. excluding octroi . **Vague quotations will not be considered.**

- 6.9 The Vendor should positively quote F.O.R. delivery rates to Principal, Land Records Training Academy, Aurangabad.
- 6.10 Octroi exemption certificate will be given by consignee on demand where it is applicable and required. Which should be obtained well in advance however, it will be issued subject to provisions made in corresponding Municipal limit. Failure in obtaining octroi exemption certificate and if such charges are paid and claimed, the claim will not be accepted.
- 6.11 The Vendor should invariably quote their valid sales tax registration number and date and furnish updated sales tax clearance certificate valid at the date of tender submission.
- 6.12 The Vendor must furnish a valid copy of Income Tax clearance certificate valid up to last date of tender along with the tender.
- 6.13 Delivery period shall be within 45 days or earlier from the date of supply order or Acceptance of Tender. In the event materials/items are not supplied in stipulated period of delivery, such items will not be accepted by consignee unless otherwise proper extension of time limit is granted by Settlement Commissioner & Director of Land Records (Maharashtra State) or by Principal, Land Records Training Academy, Aurangabad purchaser.
- 6.14 **Vendors will have to supply install and commission the equipment and train the 12 person of Land Records Training Academy, Aurangabad as per purchaser requirements.**
- 6.15 The Vendors will have to supply the stores exactly as per Tender Enquiry specifications and will be responsible to replace the defective supply at his risk and cost. Goods, which do not confirm to the specification will not be accepted. Defective goods will be returned even at the time of actual use at the cost of supplier.
- 6.16 This tender enquiry is meant for the whole of Maharashtra.
- 6.17 **Quality of Goods :** The equipment must confirm the highest quality and standard the Vendor should warranty that the items delivered are brand new. In case of software it should guarantee that the software supplied is licensed and legally obtained. All hardware and software must be supplied with original and complete printed documentation (import license along with machine number).
- 6.18 **Security Deposit :** The Vendor shall furnish security deposit 10% of total value of material in the form of bank guarantee from Nationalized Bank for the period of 6 years within 7 days of issuing order. Bank Guarantee should be further extend upto 6 years from last date of installation. This will also act as performance guarantee. The proceeds of the performance guaranty shall be payable to purchaser as compensation for any loss/ penalties / liquidation damages resulting form Vendors failure to complete its obligations.

- 6.19 **Installation and commissioning :** The Vendor shall be responsible for delivery & installation of equipment/software order at site and for making them fully operational as specified date i.e. installation date fixed by Principal, Land Records Training Academy, Aurangabad/purchaser after receiving purchase order/ Acceptance of Tender.
- 6.20 **Acceptance Tests :** The Vendor at destination site, in presence of purchaser or its representative and /or nominated agency will conduct acceptance test. The test will involve installation and commissioning and trouble free operation of complete system for 10 consecutive days apart from physical verification and testing. No additional charges shall be payable for carrying out this acceptance test by purchaser.
- 6.21 **Integration of hardware software and peripherals :** The Vendor must integrate peripherals supplied by him to hardware and software available with purchaser to make the system fully functional. The equipments and peripherals should be supplied with relevant interface cables and all the equipment must be provided with Indian standard 3 pin power plugs.
- 6.22 **Software drivers and manuals :** The equipment will have to be supplied with all software drivers and **detailed operational and maintenance manual free of cost in English & Marathi Languages.**
- 6.23 **Operational Training :** Imparting Training to the Surveyors and Staff from the Principal Land Records Training Academy, Aurangabad will be an important and indispensable part of this tender. Failure to impart full training as per requirement will invite for failure of payment. The successful Vendor will be required to train **Two** batches of Surveyors, Staff from the Principal Land Records Training Academy, Aurangabad each batch comprising of 06 surveyors, for 15 working days at the Governments Land Records Training Academy at Aurangabad **or any other location in Maharashtra State specified by Principal, Land Records Training Academy, Aurangabad.**
- 6.24 **Payment:** 70 % payment towards supply will be made by the purchaser after delivery and satisfactory installation. The satisfactory installation report must be duly signed by the concerned officials. 20% after 45 days of satisfactory performance and imparting training and supplying user manual in Marathi in soft and hard copy. The balance 10% payment will be paid against receiving Bank Guarantee from last date of installation as mentioned in point no. 6.17.
- 6.25 The Principal, Land Records Training Academy, Aurangabad reserves the right to reject any or all Tender without assigning any reasons thereof. The Principal, Land Records Training Academy, Aurangabad does not pledge himself to accept lowest or any tender and reserves the right of accepting the whole or any part of tender or portion of quantity offered against any item and the Vendor shall supply the same at the rate quoted. Principal, Land Records

Training Academy, Aurangabad reserved right to make any change in the terms & conditions of purchase specification. He will not be obligated to meet & have discussion with any Vendor and / or to give a hearing on their representations.

- 6.26 Formal Acceptance of tender will be forwarded immediately to successful Vendor. The Vendor has to enter an agreement immediately.
- 6.27 The tender fee once paid will not be refunded.
- 6.28 Conditional offers received other than the specified conditions mentioned in the tender enquiry are liable for rejection.
- 6.29 **Final Selection** of the Vendor will be on the basis of both the price and adherence to the required technical specifications.
- 6.30 The Vendor shall attach a copy of authorization letter in respect of the person who attend the Principal, Land Records Training Academy, Aurangabad for tender opening, further follow-up work and also who is authorized to sign tenders, agreements and other relevant documents.
- 6.31 If there were any specific government directives such as reservation of items for units in Maharashtra, non-eligibility of price, preference to S.S.I. units etc., for particular items, the same would be applicable irrespective of the fact that it has not been incorporated in the tender notice.
- 6.32 Security deposit in the form of Bank Guarantee will be returned after completion of warranty period (six years). Earnest Money Deposit will be refunded to all vendor on completion of Legal and Official process.
- 6.33 The Vendor should invariably quote a list of documents enclosed with the tender and the such list should be duly signed by the authorized person. The rate shall be written both in words and figures. Tender documents shall be written legible and free from errors over writing scratches etc. Corrections if any should be legible and be initialed.
- 6.34 Any variation due to Government policies in the prevalent taxes and duties at that time purchase of goods will be binding on the Vendor.
- 6.35 All the Vendors should note that violation of Terms and Conditions, their quotations are liable for prima-facie rejection.
- 6.36 **Penalty Clause to refuse supply of goods** - In the event of the order being placed with the Vendor and if the Vendor fails to supply the materials/ items according to the terms and conditions of Acceptance of Tender the Principal, Land Records Training Academy, Aurangabad purchaser shall be entitled to forfeit the Bank Guarantee and Vendor will be black listed.
- 6.37 Price variation clause on any account is not acceptable.

6.38 **Warranty** - The successful Vendor will have to provide comprehensive on site warranty for a period of **Six year** from the date of installation and commissioning of equipment, with free supply of spare parts and other essential accessories. The Vendor shall be fully responsible for the manufacturer's warranty for all equipment, accessories, spare parts etc. against any defects arising from design, material, manufacturing, workmanship, or any act or omission of the manufacturer / purchaser or any defect that may develop under normal use of supplied equipment during the warranty period. Warranty should not become void if the purchaser and/or Indenter buys any other supplemental hardware from a third party and installs it with/in these machines. However, the warranty will not apply to such hardware items installed.

**The warranty should cover the following**

- a) The equipment should be repaired within 72 hours, failing which a replacement should be given with equivalent equipment within 72 hours of reporting of breakdown of machine. If company has made replacement then company has to repair & restore the machine to be repaired within 7 days.
  - b) The purchaser will provide on site service of the equipment once every 12 months during the warranty period.
  - c) The Vendor is expected to promptly attend the equipment as above. In order to provide an efficient service the Vendor must obtain the name, address, phone number and other contact details of the person in possession of the equipment. He will be required to keep this list up to date at all times.
  - d) The Vendor will obtain written acknowledgment from the above person after each time the equipment is serviced. Such receipts will have to be produced to get the sign off or successful completion of the warranty period.
  - e) The warranty period will get extended by three months for each failure to provide a quality service cum checkups, which is required to be provided by the Vendor.
- 6.39 **Repeated Failure:** If, during the warranty period, any equipment has any failure on two or more occasions, it shall be replaced by equivalent new equipment by the Vendor at no cost to the purchaser.
- 6.40 **Penalty for Downtime:** Any equipment that is reported to be down should be either fully repaired or replaced by temporary substitute (of equivalent configuration) within 72 hours. Public Holidays as declared by Government of Maharashtra are excluded for the above downtime calculation. The reporting will be through a letter, fax, e-mail, telephonic message, SMS or any other mode as the purchaser may decide. In case purchaser fails to reach within 72 hr's to concerned office and not replace or repair the machine to working condition then the

successful Vendor will pay Rs. 500/- per day. This penalty will be deducted from security deposit/Bank Guarantee.

- 6.41 The temporary substitute machine or equipment should be replaced by the original machine or equipment duly repaired within one week, if successful Vendor fails to provide repaired GPS machine back to concerned office in good order within 7 days (One week) then successful Vendor will pay Rs. 2000/- fine per day, till the machine is restored. These penalty charges will be deducted from the security deposit.
- 6.42 OEM should certify that product should not be end of life in next 10 years.
- 6.43 **Protection against risk of obsolescence** - Vendor will make the spare parts for the equipment available for minimum period of 10 years from the time of acceptance of the system. Thereafter Vendor will give at least twelve months notice prior to discontinuation of support services, so that the purchaser may order its requirements of the spares, if it so desires. If any of the components not available or difficult to procure the procurement is likely to be delayed for replacement, if required, the replacement shall be carried out with state of the art technology equipment of equivalent or higher capacity had no additional charges to the purchaser.
- 6.44 **Indemnity** - Vendor shall indemnify, protect and save the Purchaser against all claims, losses, costs damages, expenses, action suits and other proceedings resulting from infringement of any patent, trademarks, copyright etc. or such other statutory infringements in respects of all the hardware and software supplied by him.
- 6.45 **Packing – The** Vendor shall provide such packing of the goods as is required to prevent their damage or deterioration during transit to their final destination as indicated in the contract. The packing shall be all weatherproof and shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the goods final destination and absence of heavy facilities at all points in transit. The packing, marking and documentation within and outside the packages shall comply strictly with such special requirements as shall be provided for in the contract and in any subsequent instructions ordered by the Purchaser.
- 6.46 **Delivery Documents** - Within 24 hours of shipment, the Vendor shall notify the purchaser, by cable/ telex/ Fax/ email the full details of the shipment including Contract, No., Receipt No., Date Description of Goods, Quantity, consignee, etc. The Vendor shall mail the following documents to the consignee. (a) 4 copies of the Vendor invoice showing goods description, quantity, unit price, total amount Railway receipt/ Lorry receipt. (b) Inspection report.

Manufacture's /Vendor's guarantee certificate. (c) One identical set consisting of copies of the above documents will be sent through courier by the Vendor to the purchaser.

- 6.47 **Delivery, Inspection by Purchaser** - At the time of delivery of goods, the purchaser will be allowed to verify the seal of inspection affixed at the time of factory inspection. In case any seal of inspection is found to be broken or missing the Purchaser will reject the equipment. The Vendor will proceed to open the packing and to carry out the installation only after a written acknowledgement has been obtained from the Purchaser that the seals have been inspected and have been found to be in order.
- 6.48 **Liquidated Damages for delayed supply** - If the vendor fails to deliver or install any or all of the equipments on specified date given by Principal, Land Records Training Academy, Aurangabad Purchaser, the Purchaser shall, without prejudice to its other remedies under the contract, deduct from the payable amount, as liquidated damages, a sum equivalent to 0.5 percent of the price of the undelivered or uninstalled stores at the situated rate for each week or part thereof during which the delivery or installation of such stores may be delayed subject to a maximum limit of 10 percent of the stipulated price of the stores so undelivered or uninstalled. Such penalty is to be deducted always by the Purchaser from the bill of the firm OR purchase elsewhere the extra amount paid will be recovered from Performance Guarantee. Once the maximum of the damages above is reached, the Purchaser may consider termination of the contracts and initiation of appropriate action
- 6.49 Any good suggestion by vendor at the time of pre bid will be considered, however it is not binding on Principal, Land Records Training Academy, Aurangabad to consider each and every suggestions.
- 6.50 Vendor should follow ethical behavior during the time of tender process.
- 6.51 **Resolution of Disputes** – The vendor shall make every effort to resolve amicability by direct negotiation any disagreement or dispute arising between them under or in connection with the any of the or part of the terms and condition of the contract.
- 6.52 **Legal jurisdiction** - All legal disputes are subjects to the jurisdiction of Aurangabad courts only.

**Signature of Vendor.**