

**MADHYA PRADESH LAGHU UDYOG NIGAM LTD
(M.P. Government Undertaking)**

Panchanan Bhavan Second Floor
Malviya Nagar, Bhopal

TENDER NO. K.E. 6256-A

Creation of Spatial Database (Digitization) of Village Maps in Madhya Pradesh

MADHYA PRADESH LAGHU UDYOG NIGAM LTD.

(M.P. Government Undertaking)

2nd FLOOR, PANCHANAN BHAVAN, MALVIYA NAGAR, BHOPAL

Phone: 4226877, 4226878, 4226883, Fax No. (0755) 4220606

Notice Inviting Bids 40A/06-07

M.P. Laghu Udyog Nigam Ltd., Bhopal, invites bids from eligible bidders on behalf of Commissioner Land Records MP for **Digitisation of Cadastral Maps of Madhya Pradesh**, on the Website **www.mpeprocurement.com**, under two bid system. The bids are to be submitted on the website mentioned above.s

Tender No.	Name of Item	Bid Security	Due date & time of submission
K.E. 6256-A	Digitisation of Cadastral Maps	Rs200000/-(Rs Two Lacs)	(I) Tenders down loading begins from 05-04-2007 (II) Last date of submission of bids will be 10-05-2007 up to 2PM

(i) The detail terms & conditions, specifications etc. can be viewed only on the website. (ii) The tender is to be downloaded and submitted on due date and time, electronically on the above Portal. Manual submission of tender will not be accepted. (iii) The bidder have to submit website registration fee Rs. 3,500/-. The cost of tender Rs. 5000/- (Non- Refundable) is to be paid through Demand Draft in favour of MPLUN BPL . Website registration fee, Cost of tender & Bid Security shall be dropped in the E- Tender drop box, placed at 2nd floor Panchanan Bhavan, Malviya Nagar, Bhopal on or before the time & date of submission as mentioned above.

Managing Director

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**SECOND FLOOR, PANCHANAN BHAVAN, MALVIYA NAGAR
BHOPAL**

The tender downloading date of **NIT No. 40A/06-07** for the **Tender No. - K.E. 6256-A**, has been extended due to some unavoidable reasons till further notice.

(MANAGING DIRECTOR)

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CORRIGENDUM

The amended schedule of the **Tender No. - K.E. 6256-A** for **Digitisation of Cadastral Maps of Madhya Pradesh**, against **NIT No. 40A/06-07** will be as follows:-

Date of start of downloading of tender document	20-4-2007
Last date for down loading of Bid Document	24-5-2007 upto 5pm
	30-5-2007 up to 5pm
Date and Time for Pre-Bid meeting	7-05-.2007 /11.00 am At CLR Gwalior, Madhya Pradesh
	7-05-.2007 /11.00 am
Last date & time for depositing of bids	25-.05.2007 / 5:00 pm At CLR Gwalior, Madhya Pradesh
	31.05.2007 / 5:00 pm
Time and Date of opening of Pre-qualification and Technical Bid	28-.05.2007 / 11:00 am At CLR Gwalior, Madhya Pradesh
	02.06.2007 / 11:00 am

(MANAGING DIRECTOR)

- 1. Words Company /Firms/Partnership mentioned anywhere in the Bid document should be amended as “Company/Firm “. No Joint Venture or Consortium will be permitted.**
- 2. Word CD media should be considered as CD/DVD.**

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1. INVITATION FOR COMPETITIVE BIDDING

1.1 Important Instructions:

- 1.1.1 Commissioner, Land Records and Settlements, Government of Madhya Pradesh, Gwalior, has taken the initiative of doing digitization of all the village maps and store it in the form of vector images with a view to preserve the data available in the documents, facilitate its easy storage, retrieval and greater access to the public and functionaries of the Department.
- 1.1.2 Madhya Pradesh Laghu Udyog Nigam Ltd Bhopal on behalf of the Commissioner, Land Records and Settlements, Motimahal, Gwalior, Madhya Pradesh, invites bids from eligible bidders sealed bids for "Creation of Spatial Database (Digitization) of Village Maps in Madhya Pradesh", under three-stage system.
- 1.1.3 Interested bidders, may if required, obtain any further information from the office of the Commissioner, Land Records and Settlements, Motimahal, Gwalior, Madhya Pradesh.
- 1.1.4 A complete set of bidding document may be down loaded by interested bidders from website www.mpeprocurement.com and the payment of bid document (non-refundable) amount indicated in section 1.2. be made in the form of Demand Draft / Bankers Cheque drawn in favor of *The Commissioner Land Records and Settlements, Government of Madhya Pradesh* payable at Gwalior (M.P.).
- 1.1.5 Bids shall be valid for a period 180 days from the date of its opening. Bids submitted without EMD will be rejected.
- 1.1.6 Bids will be opened online in the presence of such representatives of bidders who choose to be present on the specified time and date of opening of bid at **The Office Of Madhya Pradesh Laghu Udyog Nigam Ltd Panchanan Bhawan Malviya Nagar (New Market) Bhopal.**

1.2 Important Information in respect of the Bid for Creation of Spatial Database (Digitisation) of Cadastral Maps

Terms and conditions of bid	Please See Annexure I
Technical specifications proforma	Please see Annexure II
Proforma for submission of rates	Please see Annexure III
Amount of earnest money deposit (EMD) Demand Draft/ FDR in favour of CLR, Gwalior, from Nationalised Bank)	Rs.2,00,000 (Rupees Two lakhs)
Validity period of bid	180 days
Cost of the bid document	Rs. 5000/- (Rupees Five thousand only) to be payable with the offer. Non submission of the amount will result in rejection of the tender.
Date of start of downloading of tender document	20-4-2007
Last date for down loading of Bid Document	24-5-2007 upto 5pm
Date and Time for Pre-Bid meeting	7-05-.2007 /11.00 am At CLR Gwalior, Madhya Pradesh
Last date & time for Submission of bids	25-.05.2007 / 5:00 pm
Deposit of EMD/ Cost of the bid document	MPLUN Bhopal
Deposit of EMD/ Cost of the bid document and Registration fee	O/o Commissioner Land Records & Settlement, Moti Mahal, Gwalior.

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Time and Date of opening of Pre-qualification and Technical Bid	28-.05.2007 / 11:00 am At MPLUN Bhopal, Madhya Pradesh
Venue of Pre-bid meeting	Office of The Commissioner, Land Records and Settlements, Motimahal, Gwalior, Madhya Pradesh
Time and date of opening of Commercial Bid	Will be communicated to the technically qualified vendors later.
Address for correspondence in respect of Technical Clarification	Joint Commissioner, O/o Commissioner Land Records and Settlements, Moti Mahal, Gwalior (MP) Phone: 0751-2441200, 2441210 Email: clrgwa@mp.nic.in : clrmp@sancharnet.in

1.3 Important limits and values:

S.No.	Item	Description
1.	Bid Security (EMD) Validity Period	Equivalent to validity period of bid.
2.	Implementation -cum- Performance Guarantee Value (amount in Rupees.)	20% of contract value
2	Implementation -cum- Performance Guarantee Value (amount in Rupees.)	20% of contract value in form of Bank Guarantee.
3.	Validity period of Implementation - cum -Performance Guarantee	1 year from the date of final acceptance of completion of work.
3	Validity period of Implementation - cum - Performance Guarantee	9 months or completion of work which ever is later from the date of final acceptance of completion of work.
4.	Period for submission of Implementation-cum-Performance Guarantee	At the time of signing of the contract.
5.	Period for signing contract	Within 15 days from the date of receipt of notification of award.
5	Period for signing contract	Within 15 days from the date of receipt of notification of award of work. In case of failure EMD will be forfeited.
6.	Penalty for delay in implementation	Please refer penalty clause 1.8 of Annexure I
7.	Warranty Period	12 months from the date of submission of deliverables and completion of the work, whichever is earlier

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8.	Address for correspondence in respect of technical clarifications	Joint Commissioner, O/o Commissioner Land Records and Settlements, Moti Mahal, Gwalior (MP) Phone: 0751-2441200, 2441210 Email: clrgwa@mp.nic.in clrmp@sancharnet.in
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Joint Commissioner
O/o Commissioner, Land Records and Settlements,
Gwalior Madhya Pradesh,

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2. PRE-QUALIFICATION CRITERIA

2.1 Company/firm/partnership eligible to apply should meet the following criteria

2.1.1 The Company/firm/partnership must be well established and must have been rendering software development/ customization services for at least last 5 years (Attach documentary proof).

2.1.2 Turnover of the firm in Map Scanning and Digitisation in India must exceed Rs.50 lakhs in each of the last 3 financial years. The bidder should submit Income Tax return statement and auditor's report and at least three duly signed copies of orders (along with work completion certificate) in support of Turnover details.

Turnover of the firm in Map Scanning and Digitization in India must exceed Rs.50 lakhs in each of the last 3 financial years. The bidder should submit Income Tax return statement and auditor's report and at least three duly signed copies of orders (along with work completion certificate) in support of Turnover details. The company must have annual turn over of Rs 5 Crore or more in the past three years.

2.1.3 The bidder should have at least 50 Professionals in Map Scanning and Digitisation (Attach the list of Employees with exposure to Projects and Technologies)

2.1.4 The bidder should have sufficient infrastructure to provide services in entire Madhya Pradesh (Attach documentary proof).

The bidder should have sufficient infrastructure to provide services in Madhya Pradesh (attach documentary proof).

2.1.4.1 Digitizing/Scanning Hardware (attach separate sheets):

Minimum : 50 High-end Systems,

One A0 Size Scanner (600 DPI or above) &

One A0 Printer/Plotter

2.1.4.2 Digitization/ Vectorization Software (attach separate sheets):

Minimum : 30 Data Conversion (raster to vector) s/w

2.1.4.3 GIS Software, if any (attach separate sheets)

Minimum : 5 GIS Software

2.1.5 The bidder should have international quality practices with ISO or equivalent quality certification in the field of mapping, digitization and scanning of cadastral maps.

Additional point 2.1.6 as

2.1.6 Proof of work completion certificate of similar works.

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3. INSTRUCTIONS TO BIDDERS

3.1 The Commissioner, Land Records and Settlements, Motimahal, Gwalior, Madhya Pradesh will select an Agency from amongst those who respond to this public notice. The proposal will be finalised in accordance with the method of selection specified in the Data sheet.

3.1.1 Procedure for submission of bid

3.1.1.1 Three Stage Bidding: The bids are to be submitted in following manner on the portal www.mpeprocurement.com

A: The Draft / FDR for the value of EMD along with covering letter of the bidder company, cost tender document and registration fee will be submitted physically in closed envelope superscribing tender no ,date of opening. This will be dropped in-tender drop box placed at CLR office MOTI MAHAL GWALIOR Non-submission of any of above three will lead to rejection of vendor's bid proposal The scanned copies of the above documents shall be attached with the Technical Proposal.

B : TECHNO COMMERCIAL BID as per Annexure-II **to be submitted on the above portal www.mpeprocurement.com**

C : FINANCIAL BID as per Annexure-III. **to be submitted on the above portal www.mpeprocurement.com**

3.1.1.2 The tenders are to be submitted electronically on the site www.mpeprocurement.com for which all the tenderers are required to obtain digital certificate of Class II b/ClassIIa through the site or from open market from any of the CCAs (Controller of Certifying Authority India)

The registration fee Rs.2500/- in case of SSI of MP and Rs.3500/- in case of others is to be paid through draft in favor of M.P. Laghu Udyog Nigam Ltd., payable at Bhopal before Submission of the Bid or the same can be attached with EMD and tender document fee.

The details of the payment be entered into the document, failing which bid will not be processed

3.1.1.3 No bid shall be accepted after the due date and time mentioned in the bid notice.

3.1.1.4 The offer submitted by telex/telegram/e-mail/manually or in any other manner than specified above shall not be considered. No further correspondence will be entertained in the matter.

3.1.1.5 Alterations/ corrections if any made in the bid should be attested properly by the bidder, failing which, the bid shall be rejected.

Note: The bidder must affix his digital signature without which the bids will not be accepted by the system.

3.1.2 The technical bid shall be accompanied by a scanned copy of the Demand Draft/FDR of Rs 2,00,000/- (Rupees Two Lakh Only) as Earnest Money Deposit (EMD), which shall be returned to the unsuccessful Agencies within one-month of completing the selection process.

3.1.3 Technical Bids shall be opened in the presence of representatives of the parties submitting the bid document at the time and date specified in the bid document. Preliminary examination of bids will be carried out to determine whether they are complete, whether required sureties have been furnished,.

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- 3.1.4 The cost of preparing the proposal contract including visit to The Commissioner, Land Records and Settlements, Motimahal, Gwalior, Madhya Pradesh is not reimbursable under any circumstances.
- 3.1.5 The Agencies shall refrain from corrupt or fraudulent practices. Corrupt practice means the offering, giving, receiving, or soliciting of any thing of value to influence the action of a public official in the selection process or in the execution of the contract. Fraudulent practice means misrepresentation of facts in order to influence a selection process or the execution of the contract to the detriment of The Commissioner, Land Records and Settlements, Motimahal, Gwalior, Madhya Pradesh, and includes collusive practices among Agencies (prior to or after submission of proposals) designed to establish prices at artificial, noncompetitive levels and to deprive the O/o Commissioner, Land Records and Settlements, Motimahal, Gwalior, Madhya Pradesh the benefits of free and open competition.
- 3.1.6 At any time before the submission of the proposal, The Commissioner, Land Records and Settlements, Motimahal, Gwalior, Madhya Pradesh may, for any reason, whether on its own initiative or in response to a clarification requested by an invited agency, amend the bid document. Any amendment shall be notified in writing through an addenda and sent by mail, fax etc. The Commissioner, Land Records and Settlements, Motimahal, Gwalior, Madhya Pradesh may, at his discretion, extend the deadline for submission of the proposals.
- 3.1.7 The Agencies are expected to examine carefully the various documents constituting this bid document before preparing their Technical and Financial proposal. Material deficiencies in providing the information may result in the rejection of the proposal.
- 3.1.8 The proposal complete in all respects, must reach The Commissioner, Land Records and Settlements, Motimahal, Gwalior, Madhya Pradesh on or before the due date and time stated in this bid document. The Commissioner, Land Records and Settlements, Motimahal, Gwalior, Madhya Pradesh shall summarily reject the proposals received after the due date of submission.

3.2 List of documents:

- 3.2.1 Demand Draft for the value of EMD and Registration fee Non-submission of EMD will lead to rejection of vendor's bid proposal.
- 3.2.2 TECHNICHNO COMMERCIAL BID as per Annexure-II.

The Technical Bid consists of the following documents/records other than details provided in Annexure II:

- 3.2.2.1 Letter of submission of bid
- 3.2.2.2 Description of the methodology and work/contract plan for performing the assignment
- 3.2.2.3 Documentary proof of turnover in the last three financial years.
- 3.2.2.4 Technical deviations, if any, from the terms, conditions and specifications as described in the bid document.
- 3.2.2.5 Copies of certifications and registrations.
- 3.2.2.6 List of employees.
- 3.2.2.7 Any commercial terms and conditions such service tax etc
- 3.2.3.1 FINANCIAL BID as per Annexure-III.

3.3 Evaluation of Technical Proposals

- 3.3.1 A duly constituted Technical Evaluation Committee (TEC) will shortlist the technical bids on the basis of the technical parameters such as IT infrastructure (hardware & software), manpower

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resources, previous experience of large data conversion jobs, specially in cadastral mapping, list of major customers, physical inspection of infrastructure, data conversion process & quality control measures, if considered necessary, and details of vendor's registration (ROC, ISO etc.), and so on.

- 3.3.2 Any proposal shall be rejected at this stage only if it does not respond appropriately to important aspects of conditions described in the bid document or if it fails to achieve the minimum technical score.
- 3.3.3 Vendors shall have to quote for all themes, as per pre-job specification. The format given in Annexure-III may be referred failing this, the entire Commercial/Financial bid shall be rejected.

Amendment in point no. 3.3 Evaluation of Technical Proposals as “point 3.3.8 should be read as 3.3.3.a” and point 3.3.4 in the Manner as follows:

3.3.3.a As a part of evaluation process, the CLR will invite short-listed parties for making presentation before the Technical Evaluation Committee, if considered necessary. The time and date for such presentation shall be decided by The Commissioner, Land Records and Settlement, Motimahal, Gwalior, Madhya Pradesh and conveyed to the concerned parties. Concerned parties may demonstrate their similar previous work in relation to cadastral maps digitization.

3.3.4 The commercial/financial bids of the bidders short-listed from the technical bids after demonstration/testing will be opened in the presence of their representatives on a specified date and time. The commercial/financial bids will be evaluated by another committee known as Financial / Commercial Bids Evaluation Committee.

3.3.4 The commercial/financial bids of the bidders short-listed after technical evaluation and presentation (if made) will be opened in the presence of their representatives on a specified date and time. The commercial/financial bids will be evaluated by the Financial / Commercial Bids Evaluation Committee.

3.3.5 There shall be no negotiations on the Financial/Commercial Bids. However, if CLR considers necessary, revised Financial/Commercial bids, can be called for, from the technically short-listed bidders. In that case, the revised bids should not be higher than the original bids, otherwise the Financial bid of the bidder shall be rejected.

3.3.6 In the case of bidders whose bids are not found acceptable, the earnest money deposit draft / FDR will be returned within one month of the decision along with endorsement for payment to them. However, no interest on such deposits will be payable. In case of the bidder whose bid has been accepted for placing the order, the Earnest Money Deposit will be retained till the satisfactory completion of the work. In case the bidder is not able to complete the assigned work

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within the specified period, the EMD/Security shall be forfeited in full. No interest will be payable on such Deposits.

3.3.7 Lowest bid (L1) will be the one having the lowest price for summation of activities of 1,2 and 3 in Annexure-III. In case there is tie or two companies quote same rates, the company quoting the least price in digitization shall be treated as L1.

L2, L3 , L4 etc will be selected as per procedure mentioned in above para. CLR shall prepare a panel of maximum of 7 vendors, selected by requesting L2,L3,L4,L5 etc. in sequence to match the L1 rates. If any vendor selected from L2 to L7 disagrees to match L1 price, then only L8 and subsequent bidders will be given chance to match L1 rates. Award of work will be at least four districts per vendor. CLR shall have the discretion to distribute the work among the vendors in the best interests of the State Government.

Please read point 3.3.7 as :

Lowest bid (L1) will be the one having the lowest price for summation of activities of 1, 2 and 3 in Annexure-III. In case there is tie or two companies quote same rates, the company quoted the least price in digitization shall be treated as L1.

L2, L3, L4 etc will be selected as per procedure mentioned in above Para. CLR shall prepare a panel of maximum of 7 bidders, selected by requesting L2, L3, L4, L5 etc. in sequence to match the L1 rates. If any bidder selected from L2 to L7 disagrees to match L1 price, then only L8 and subsequent bidder will be given chance to match L1 rates.

Each bidder will be awarded the work of minimum four districts and maximum one division whereas, Gwalior and Chambal will be treated as one division & Bhopal and Hoshangabad will be treated as one division. CLR shall have the discretion to distribute the work among the bidders in the best interests of the State Government.

However, if in any division there are seven districts, and out of these seven, work of four (4) or five (5) districts is allotted to one bidder and no district is left in any other division the work related to the remaining three/two districts can be given to any bidder based on the above mentioned work distribution methodology.

3.3.8 As a part of evaluation process, the Commissioner, Land Records and Settlements, Motimahal, Gwalior, Madhya Pradesh may invite short-listed parties for making presentation to the Evaluation Committee, if considered necessary. The time and date for such presentation shall be decided by The Commissioner, Land Records and Settlements, Motimahal, Gwalior, Madhya Pradesh and conveyed to the concerned parties.

Amendment in point no. 3.3 Evaluation of Technical Proposals as “point 3.3.8 should be read as 3.3.3.a”

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3.3.9 The proposals shall be submitted in English language only.

3.3.10 The Agencies are requested to quote their prices in Indian Rupees (full figure) only.

4. SCOPE OF WORK

4.1. Introduction and Objectives

4.1.1 With a view to streamline land revenue administration and bring about improvement, the Commissioner, Land Records and Settlements Government of Madhya Pradesh, has decided to undertake the digitisation of village land revenue maps in the state.

4.2. Existing System

4.2.1 For every village, there is a village map and atlas of land parcel maps (popularly called as Khasra), which form the basic record for revenue administration. The department has the Khasra details in paper / electronic form.

Amendment in point 4.2. Existing System as :

4.2.1 **For every village, there are village map sheets with details of land parcel maps (known as “Survey Numbers”), which form the basic record for revenue administration.**

4.2.2 At present, the *Patwaris* are using the hard copy of village maps to update the daily transactions related to Land Records and distribute the copy of parcel drawn on a paper.

Addition in Point No. 4 Scope of Work (page 10 of 28)

Point No. 4.2.3 Modification work as per the digitization specifications as mentioned in Point No. 5, for the Pilot Tehsils where earlier work of digitization were carried out:

Earlier digitization work was carried out in the tehsils as per the following list

S.No	Name of the District	Name of the Tehsil	No. Of villages/Map Sheets	Plat Form
1	Guna	Raghogarh	340/706	Autocad & Micro Station
2.	Shivpuri	Shivpuri	208/621	Map Infor & Arc Info
3.	Mandla	Niwas & Mandla	803/1773	Auto Cad
4.	Dindori	Shahpura	194/462	Auto Cad
5.	Hoshangabad	All 7 Tehsils	913/2284	Auto CAD & Map Info.

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For these tehsils “scanning” work is not required. Under “digitization”, changes which have taken place in parcel boundaries will have to be incorporated. “Printing” of final digitized map would be required. Bidders should quote the rates of these tehsils for only above mentioned works. (pl. refer Annexure III)

4.3 Existing Difficulty

- 4.3.1 In the daily use of village maps, it is very hard to keep the maps in good condition.
- 4.3.2 Time of retrieval is high.

4.4 Proposed Solution

- 4.4.1 To avoid damages to the original record of maps, the department is interested to take up the job of converting approximately 1.23 lac village land revenue maps into electronic digitized vector form with the help of latest technology available in this field.

4.4.1 To avoid damages to the original record of map sheets, the department is interested to take up the job of converting approximately 1.23 lac village map sheets into electronic digitized vector form with the help of latest technology available in this field.

4.5 Scope of the work covered in this bid document

- 4.5.1 The scope of work covered by this bid document includes, but not limit to:

4.5.1.1 Establishment of scanning center at the centralised location to fulfill the day to day requirement and need of respective Land Records and Settlements offices (Division/District/Tehsil), with required infrastructure such as Software's, Desktops/PCs, Scanners, Printers / Plotters, UPS and Networking and other hardware etc.

4.5.1.1 Establishment of scanning center at each concerning district Head Quarter near Collectorate to fulfill day to day requirement and need of respective Land Records and Settlement office, with required infrastructure such as Software's, Desktops/PCs, Scanners, Printers / Plotters, UPS and Networking and other hardware etc., till the completion of the work awarded.

4.5.1.2 Maintain registers for receiving the village maps, scanning, digitizing, indexing and returning the same to the department.

4.5.1.2 Maintain registers for receiving the village map sheets, scanning, digitizing, indexing and returning the same to the department, as and when required in readable format.

- 4.5.1.3 While scanning adjustment of contrast, brightness and density of images should be made so that all the contents written on the village map are captured in readable format.

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4.5.1.4 Maps should be properly digitized as per the specifications provided by the department in the contract.

4.5.1.4 Map sheet should be properly digitized as per the specifications provided by the department during the contract.

4.4.1.5 Indexing and storing of the village map should be done, as guided by the department. Scanned, digitised and hardcopy of maps must also be handed over to the concerning Land Records and Settlement office.

Amendment in point Please read point 4.4.1.5 as 4.5.1.5 (page 10 of 28) as :

4.5.1.5 Indexing and storing of the village map should be done, as guided by the department. Scanned, digitised and hardcopy of maps must also be handed over to the concerning District Land Records and Settlement office. Guidelines for the indexing of scanned images will be provided by CLR office to the selected bidders.

4.5 Warranty

4.5.1 The selected vendors should provide a minimum warranty of one year after completion of the work with full operational support including, additions, modifications and similar improvements based on map(s) provided by department at the time of map delivery.

4.5.2 An amount equal to 20% of work order shall be retained till the end of the warranty period and shall be released only after satisfactory completion of the project at the end of one year from the date of final submission of job work.

Amendment in point 4.5 Warranty as :

Read Point no. 4.5 Warranty as Point no. 4.6 Warranty.

4.6.1 The selected bidders should provide a minimum warranty of one year after completion of the work with full operational support including, additions, modifications and similar improvements within the existing scope of work / contract awarded.

4.6.2 An amount equal to 20% of the value of work awarded, shall be released after satisfactory completion and acceptance of the work by the department and after submission of equal amount of bank guarantee valid for 15 months. Thereafter, the bank guarantee submitted for the performance of work will be released however, the bidder has option to extend the BG submitted for further 15 months against the warranty

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5. TECHNICAL SPECIFICATIONS AND RELATED TERMS

5.1 Work order for a vendor would define a work unit, consisting of various distinct steps, unless otherwise specified, a work unit consists of the following:

5.1.1 Scanning of Cadastral Maps

Source document will be paper/cloth bound cadastral maps normally in A0 size on the scale of 1:3600, 1:3960 and 1:4000. This source document will be scanned at district office only at the respective district. The vendor has to scan at 600 dpi and format must be in tiff format (*. tiff). The Commissioner Land Records and Settlements reserve the right to change the format as and when needed. This format will be assigned in job order. After scanning (upon accomplishment of 5.2.1), one copy of map on 90 micro transparencies will be printed and cross-checked with the original input map given by respective tehsils. The vendor has to make sure that original document and printed document are 100% matching. Output will be submitted as scanned image on CD and hardcopy as mentioned above.

Amendment in point 5 Technical Specifications and Related Terms as :

5.1.1 Scanning of Cadastral Maps

Source document will be paper/cloth bound cadastral maps normally in A0 size on the scale of 1:3600, 1:3960 and 1:4000. This source document will be scanned at district office only at the respective district. The bidder has to scan as per the scanning specifications mentioned in 5.2.1.2 The Commissioner Land Records and Settlement reserves the right to change the format as and when needed. This format will be assigned in work order.

After scanning, bidder will provide printed copy of each map sheet on minimum 90 micron transparency sheet till the final verification with the original input map sheet given by respective district officer and final print of scanned maps for archival purpose on minimum 75 microns matt polyester paper

The bidder has to make sure that original map sheet and printed map sheet after scanning are match 100%. Output will be submitted as scanned image on CD/DVD and hardcopy as mentioned above.

5.2 Criteria for Digitization of Cadastral Maps:

5.2.1 These are the criteria for digitization of cadastral maps:

5.2.1.1 Scanning

- The village maps provided by the office of Land Records and Settlements for each tehsil will be traced, wherever required, before scanning. The maps will have to be traced in case:

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- the quality of map is such that they can't be directly scanned and need to be scrubbed;
- the information content is not legible; and
- the information content is such that it would hinder heads-up digitization after scanning.

5.2.1.1 Scanning

The village maps provided by the office of Land Records and Settlement will be scanned as per the specifications mentioned below:

5.2.1.2 Scanning Specification

- The maps to be scanned at 300 dpi black/white mode.
- Images should be stored in tiff format.
- The image orientation should be upright.
- The image should be cleaned and despeckled to remove noise.
- Legibility features should be good.
- Measured length and width within the bounding box of map should be +/- 0.01% of the original maps.
- The image should not be skewed or wrapped.

5.2.1.3 Scanning Specification

- **The maps to be scanned at 600 dpi gray scale mode.**
- **Images should be stored and delivered in .tiff format.**
- **The image orientation should be upright.**
- **The image should be cleaned and despeckled to remove noise.**
- **Legibility features should be good.**
- **Measured length and width within the bounding box of map should be +/- 0.01% of the original maps.**
- **The image should not be skewed or wrapped.**

5.2.1.3 Raster editing

After getting the scanned maps in format, the map is cleaned for unwanted entities. Before starting digitization, it is desired that the map should be cleaned from the unwanted speckles, noise, etc. To each of the scanned image the meta data is to be tagged to the format as given by LRD.

5.2.1.3 Raster Editing

After getting the scanned maps in format, the map is cleaned for unwanted entities. Before starting digitization, it is desired that the map should be cleaned from the unwanted speckles, noise, etc. To each of the scanned image the meta data is to be tagged to the format as given by LRD.

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5.2.2 Digitization of scanned cadastral maps

5.2.2.1 Activities

- i Identification of relevant features
- ii Association of feature codes
- iii Grouping them in layer/ coverages as required.

5.2.2.2 Editing/Cleaning of data

- i. Relocation of misplaced features
- ii. Adding missing features
- iii. Removing undershoots and overshoots
- iv. Deleting extra features

5.2.2.3 Transformation of data, if required

The final data set (all features, layers/coverage) should be transformed to the base data provided with the work order. Transformation should be done with utmost care taking maximum number of control points to minimize the error.

Point no.” 5.2.2.3 Transformation of data, if required“ is Deleted.

5.2.2.4 Creation of Spatial Database.

5.2.2.5 Each and every polygon will be assigned a Khasra number as specified in the original map, so that Land Record ownership and other details could be integrated easily.

All the details and all the steps mentioned above about each work unit will be provided with the relevant design document and appropriate maps.

Additional Point no.

5.2.6 Edge matching of the map sheets of a particular village to form a complete Village Map.

5.3.3 Design Document

5.3.3.1 The specifications of work, as required, will be decided in consultation with the concerned vendors and CLR. The document will contain:

- features to be digitized and the type of the layer of each feature (Area, Point, Line)
 - Administrative boundaries with name of block/ division/ district
 - Settlement / Parcel identification as points with Khasra code
 - Rail network
 - Road network along with road code, road type
 - Major Water bodies/ Drainage network with name of river/pond.
 - Major heritage symbols / land marks, legends, boundaries, monuments, wells etc.

Amendment to Point no. 5.3.3 Design Document Addition in point no. 5.3.3.1

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- **All other features in different layers as shown on the cadastral maps.**

5.3.3.2 appropriate feature codes and associate description

5.3.3.3 transformation of data to the base data supplied along with the work order

5.3.3.4 Quality & Accuracy standards.

Point no. 5.3.3.3 and point no. 5.3.3.4 is now deleted from the tender document.

Various other requirements to meet completion and accuracy requirements will also be specified.

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5.3.4 Digitization Specification

5.3.4.1 Vendor is supposed to provide vector digital data with complete clean/edit/topology building processing in specified formats, confirming all accuracy and completion requirements, along with associated feature codes. Requirements are:

- a. The vendor will submit a check plot for accuracy and completion check. Exact specifications will be provided in the design document, along with agreement.
- b. Digital data would be submitted in the required format for checking of topological correctness.
- c. Vendor shall incorporate all omissions and rectify all identified errors using check plot and digital data.
- d. Final data set and ink plot on polyester paper (for one to one random/sample check of 100% data plots with original manuscript), would be provided after all corrections have been carried out.

5.3.4.2 Digitization

1. Digitized vector data is supposed to be in planner form i.e. all intersections of lines and significant features on a line should be marked by nodes.
2. Labels marked on the map should be digitized as point and not as text or annotation.
3. The final vector data should be topologically completed and should be transformed, to the base data provided by CLR. However, each data may not be transformed, but it should be produced as per the requirement reflected in the design document.

Addition to the point no. 5.3.4.2 Digitization:

4. Permissible error level +/- 0.01%.

5.3.4.3 Feature Coding

All the features digitized, as per the requirement, would be assigned feature codes, as specified in the design document released with the work order. Vendor will ensure complete and proper association of the corresponding feature codes for all features.

5.3.4.4 Spatial Database

Vendor is required to group various features in different classes /coverage, as specified in the design document with proper ground control reference points. Vendor will also provide a comprehensive coverage containing all control points, and similar important features.

5.3.4.5 Topologically Complete

The final data set should fulfill the following criteria for all classes/coverage:

- Polygons are closed properly. No undershoots or overshoots are acceptable.
- All linear features should conform to planarity requirement, i.e. all intersections are properly termed as nodes.
- All Polygons have individual and unique label.

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5.3.4.6 Transformation

The final data set (all features, layers/coverage) should be transformed to the base data provided with the work order. Transformation should be done with utmost care taking maximum number of control points to minimize the error.

Point No. “5.3.4.6 Transformation” is deleted.

5.3.5 Accuracy, Quality, Inspection and Completeness

5.3.5.1 Vendor will ensure that the digital vector data is accurate and complete, as per the requirement detailed out in the work order.

5.3.5.2 Completion of the work is defined as accomplishment of all intended features and the logical grouping, as specified in the design document. Accuracy is defined in terms of positional correctness, digital vector data and topological completeness, subject to various tolerance limits, as specified in design document.

5.3.5.3 The following criteria for testing digital vector data for completion and accuracy may include, but not limit the number:

1. Physical Verification of test plot on tracing paper on random sample basis.
2. Random checking of features, during which, not more than 10% of points tested should be 1/50th inch in horizontal error.
3. Verification of topological correctness by actually constructing the topology.
4. Verification of job requirements reflected in design document.

The digital data failing to conform these tests will not be accepted. Vendor shall be given an opportunity to rectify errors to the satisfaction of CLR within a stipulated time, failing which the work order shall stand terminated. In such a case, CLR reserves the right to get the work executed by another vendor at the cost of defaulting party.

5.3.5.4 The Commissioner, Land Records and Settlements, Motimahal, Gwalior, M. P. shall have the right to inspect the work or get it inspected by his representative or any authorized officer at any stage.

5.3.5.5 The Commissioner Land Records and Settlements, Motimahal, Gwalior Madhya Pradesh reserves the right to inspect, to inspect the process of the scanning, digitization, indexing, storing methodology and the equipments during the contract period at any time.

5.3.5.6 The Vendor shall provide all possible information and extend such co-operation as desired by the inspecting authority of the department during the inspection work.

5.3.5.7 In case, the Inspector finds that the services and the equipments used are adversely affecting the quality of work, the department reserves the right to treat this as a breach of contract. As a result, the contract shall be terminated at the expenses of the vendor.

5.3.6 Output Format

The vendor may supply the digital data in E00 (Arc/Info Export- Import) format with the data remaining clean and built.

Amendment to point no. 5.3.6 Output Format as:

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The bidder shall supply the digitized copy of each map in ARC .shp (dot shp) or ARC geo database format with the data remaining clean and built.

5.3.7 Training and user's manual

5.3.7.1 Training for a period of a 2 weeks on all aspects of computer application including generation and access of the required print-outs should be provided to the identified personnel (minimum of 5) working in the districts concerned.

Amendment to point no. 5.3.7.1 and addition in point C at (page 28 of 28) as:

Training for a period of two weeks in all aspects for operation of computer application used for the purposes of accessing the scanned / digitized copy of map sheets and generation of the required print outs, should be provided to the identified personnel (two persons from each tehsil) of concerned district.

5.3.7.2 The User Manual for operation and complete indexing should also be provided in CD media as well as hard copy in two sets. The User Manual should be in Hindi and also in English with complete indexing of the villages with respective details.

5.3.8 Deliverables

5.3.8.1 The project consists of three stages of deliverables:

- a) Scanned maps with complete indexing on CD media in two sets and printouts on 1:1 scale on desired microfilms.
- b) Digitized maps on CD media.
- c) The printouts in 3 copies on required photo paper has to be provided on 1:1 scale in the following manner: First printout of scanned map on microfilm, Second printout of draft of digitized image (Vendor may have to print more numbers till final corrections), Third printout of final digitized image in 3 copies on photo paper (as per enclosed sample).

5.3.8.1 The project consists of following stages of deliverables:

1.Scanned maps

- a. **For checking and verification :**
Print out of 100% matching (1:1) scanned map on 90-micron transparent sheet for verification with original sheet.
- b. **For archival :**
One print out of verified scanned map on 75-micron matt polyester paper.

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2. Digitized maps

- a. For checking and verification.
Print out of digitized map (1:1 mapping) on 120 gsm photo paper for verification.**
- b. For archival (three copies)
Print out of verified scanned map on 75-micron matt polyester paper.**

Note:- No payment for additional check printouts of scanned or digitized maps will be made to the bidder till final correction is made.

5.3.9 Bidders shall follow the rules, regulations, laws and policies / guidelines of Government of India related to Land Records and Settlements.

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ANNEXURE – I

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1. TERMS AND CONDITIONS OF BID

1.1 Definitions

1.1.1 In this document, unless otherwise mentioned or expressed clearly, the terms 'Competent Authority' and Firm/company/partnership would have meaning as given below:

1.1.1.1 Competent Authority: The Commissioner Land Records and Settlements, Motimahal, Gwalior, Madhya Pradesh (CLR).

1.1.1.2 Firm/company/partnership: The Party/firm/partnership, which is awarded the work/contract for "Creation Of Spatial Database (Digitization) Of Cadastral Maps of Madhya Pradesh for Land Records", Government of Madhya Pradesh.

1.2 Intellectual Property Rights

1.2.1 The Vendor is required to sign an undertaking / agreement mentioning that the data and maps given for computerization are the exclusive property of Commissioner, Land Records and Settlements, Madhya Pradesh, and shall also not be shared either in part or full by anyone else. The data and maps will not be given /passed on to anybody or any other organization for any kind of use. The material given for computerization and digitization shall be returned as per the directives.

1.2.2 The vendor (firm/company/partnership) shall indemnify the State Government / Competent Authority against all actions, costs, claims, demands, expenses & liabilities, whatsoever, resulting from any infringement, as aforesaid. The State Government/(Commissioner, Land Records and Settlements, Madhya Pradesh, Gwalior), shall be defended at the expenses of the vendor in any proceedings which may be brought against them as a consequence of infringement referred herein.

1.3 Applicable Law

1.3.1 The work/contract shall be interpreted in accordance with the laws of the Union of India and the Government of Madhya Pradesh.

1.3.2 Any matter related to legal issues will be sorted out within the jurisdiction of the court in Gwalior.

1.4 Copyright

1.4.1 The Commissioner, Land Records and Settlements, Motimahal, Gwalior Madhya Pradesh, shall have exclusive rights to use the scanned images & digitised maps. Nobody can make its copies and use them for any purpose without the written consent of the Commissioner, Land Records and Settlements, (M.P.), Motimahal, Gwalior.

1.4.2 The scanned images & digitised maps with all their copyrights shall be the sole property of the Commissioner, Land Records and Settlements, Madhya Pradesh, Motimahal, Gwalior, Madhya Pradesh. The firm / company / partnership shall have no right to copy, self or make use of the scanned images and digitised maps in any manner, except for the purpose of the Commissioner, Land Records and Settlements, Madhya Pradesh, Gwalior.

1.5 Transportation

1.5.1 Where the firm/company/partnership, is required under the contract to transport the stored, scanned Images, digitised maps and other products / services to a specified place or destination, defined as site (including 48 District Head Quarters), transport to such a place or destination

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shall be arranged by the firm/company/partnership. The related transport costs shall form part of the contract price.

1.6 Completion of the Work/contract

1.6.1 Scanning, digitisation, indexing and storage of village maps will be declared complete only after completion of the following activities

1.6.1.1 Scanning of all given village maps

1.6.1.2 Digitisation of maps according to the technical specifications mentioned in the bid document, and its verification by the authorized inspector of the department.

1.6.1.3 Supply of scanned images and digitised maps in CD/DVD form.

1.6.1.4 Verification and acceptance of supplied final deliverables like hard copy of maps, scanned images, digitised maps etc.

1.7 Risk of Failure

1.7.1 In the event of failure to adhere to the delivery/job/work schedule, CLR can get the job done/services performed from alternate sources at the risk and cost of the vendor and the excess expenditure on account of this can be recovered from Security Deposit or pending bills or by raising separate claim.

1.8 Liquidated Damages (Penalty for delay)

1.8.1 Time frame for work execution will be mention in work contract.

Amendment in 1.8 Liquidated damages (Penalty for Delay) Annexure I:

1.8.1 Time frame for the execution of work – six months from the date of contract.

If there is delay, in handing over the maps to the bidder, checking of scanned maps or checking of digitized maps by the District Land Records and Settlement office and the CLR is satisfied that the delay was not because of the fault of the bidder, the CLR will have the authority to condone the delay.

1.8.2 If the vendor or service provider fails to deliver the services within the period fixed for such delivery the CLR shall have the right to claim penalty. The delivery schedule given by CLR shall have to be thoroughly observed, otherwise, penalty at the rate of 2% per week of the value of the order, subject to a maximum of 5 weeks will be imposed. Thereafter, the order shall be liable to be cancelled at CLR's discretion and /or the risk clause shall be invoked.

1.9 Bid Validity Period

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- 1.9.1 The bid should be valid for a maximum period of 180 (One Hundred Eighty) days after the due date, for placing the initial order. However, the rates should be valid for 24 months from the date of placing initial order and may be extended for further 12 months to complete the work.

1.10 Disclaimer

- 1.10.1 Printed conditions, if any, mentioned in the bidder's quotation would be no binding on CLR. Any issues requiring intervention of a court of law shall be brought to the jurisdiction of Gwalior Courts only.

1.11 Quality Assurance

- 1.11.1 CLR reserves the rights for discontinuance of the services at any time if the ordered items are found unsatisfactory or inferior in quality at any stage of delivery.
- 1.11.2 If any particular lot of job, Services performed & CDs carrying digital data does not match with the approved specifications and is found inferior in quality, the entire lot will be rejected. No payment shall be made for such a supply. If any such complaints occur, the contract is liable to be cancelled and Security Deposit shall be forfeited.
- 1.11.3 No payment shall be made for the Job/Services, which are found unsatisfactory or incomplete. If any such complaints recur, the contract is liable to be cancelled and security deposit will be forfeited.
- 1.11.4 Penal charges will be imposed on the job/service provider for losses incurred by CLR due to failure on the part of the job/service provider to provide quality service/accomplish the assigned job. The decision in this regard, made by CLR, shall be final and binding.

1.12 Quality Inspection

- 1.12.1 On delivery of the maps, preliminary as well as extensive inspection (testing of CDS at site(s) by Test and Acceptance Committee (TAC) of CLR) shall be carried out by CLR.
- 1.12.2 TAC shall give its certification on the body of the bill for acceptance of the digital data of specified job, before the project manager at CLR Office accepts the CDs carrying digital data and printouts.

1.13 Short Shipment

- 1.13.1 If any short shipment is found or missing items are noted in comparison with the packing list/delivery challan, all the short supplies will have to be made good by the service provider/contractor within the specified time schedule.

1.14 CLR reserves the right

- 1.14.1 to modify and amend any of the above stipulated conditions/criterion depending upon the project priorities vis-à-vis urgent commitments.
- 1.14.2 to accept or reject any bid without assigning any reason. CLR also reserves the right to cancel the bid without assigning any reason thereof.
- 1.14.3 For Digitization requirements not covered in the present bid, CLR can call a limited bid from the technically selected vendors.

1.15 Restriction policy for cadastral maps

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1.15.1 No cadastral map shall be carried in original outside the district Office. So, Each vendor has to therefore, open a working office at one of the assigned four districts within two months of receiving the work order.

1.16 Other Terms & Conditions

1.16.1 Vendor should not assign the job to subcontractor or subcontract any part thereof to any other party.

1.16.2 The digitized data would be acceptable on CD for which cost of media will be borne by the vendor.

Amendment in 1.16 Other Terms & Conditions of Annexure I

1.16.2 the digitized data would be acceptable on CD /DVD for which cost of media will be borne by the bidder.

1.16.3 The vendor shall ensure security of the original manuscript against any kind of misuse including photocopying, mutilation or destruction by any other means, and shall also ensure the secrecy of digital data by destroying the backup after acceptance of digital data by CLR. The vendor shall be liable for any harm caused by failure of systems caused by presence of any virus in digital data supplied by him.

1.16.4 CLR has the right to recover the cost of original manuscript damaged due to mishandling etc. from Security Deposit or EMD/ pending bills.

1.16.5 Vendor shall have to execute a confidentiality agreement with CLR for maintaining confidentiality of the software/data. Vendor shall not make unauthorized copies.

1.16.6 Any deletion/virus inflicted, lost or misutilisation of the data provided in media, the vendor will be fully responsible to fulfill make good the loss caused due to negligence. The vendor shall also be responsible to return the manuscript intact and shall be fully responsible to pay the damages caused due to loss or otherwise.

1.16.7 CLR reserves the right to deduct any amount from the bill as may be considered reasonable for unsatisfactory execution of the work

1.16.8 Bidder will submit an affidavit declaring that in case of any of the supports to claim the Technical and Commercial competency is found to be untenable / unverifiable or both ,the bid may be rejected without any reference

1.16.9 Resolution of Disputes.

In all matters and disputes arising here under, the authorized arbitrator of the Department of Revenue, Govt. of Madhya Pradesh, Bhopal shall be the sole arbitrator to decide the claim and its decision shall be final and binding on both the parties. However during the period of doubt, disagreement or dispute, both the parties shall ensure that the work or contract shall function normal way. Such doubts,

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disputes and disagreement shall not give any reason or freedom to either party to interfere in or prevent normal functioning of the work/contract

1.17 Security Deposit & Payment Schedule

1.17.1 No advance payment will be made to the selected vendors. Security deposit, proportionate to the total amount of work awarded to the vendor to be made available in the form of bank guarantee or FDR of 20% of the contract value should be produced at the time of signing of the agreement.

1.17.1 No advance payment will be made to the selected bidder. Security deposit in terms Implementation -cum- Performance Guarantee Value (amount in Rupees.), proportionate to the 20% of the total amount of work awarded to the bidder to be made available in the form of bank guarantee, with a validity of 9 months or completion of work which ever is later, to be produced at the time of signing of the agreement.

1.17.2 All payments will be made against submission of bank guarantee for a period of 1 year.

1.17.2 Last payments will be made against submission of valid bank guarantee as mention above.

1.17.3 Payments towards the project will be made in the following manner:

(a) 20% on the submission of scanned maps along with deliverables.

(b) 50% on providing and accepting the check plot of digitized maps (Verification from district authority for the work done)

(c) 30% will be released after incorporating the corrections and approval of authority.

1.17.3 Payments towards the project will be made in the following manner:

- 1. 20% on the submission of scanned maps along with deliverables.**
- 2. 40% on providing and accepting the check plot of digitized maps (Verification from district authority for the work done).**
- 3. 20% will be released after incorporating the corrections and approval of authority.**
- 4. 20% shall be released after satisfactory completion and acceptance of the work by the department and submission of equal amount of bank guarantee valid for 15 months (warranty period).**

1.17.4 Payment shall be made in Indian Rupees.

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- 1.17.5 All payments to the Vendor shall be subject to the report of satisfactory accomplishment of the concerned task, to be submitted by the Project Coordinator/ Committee, designated by the Commissioner, Land Records and Settlements, M.P., Gwalior.
- 1.17.6 Payment shall ordinarily be made within 60 days on receipt of testing and acceptance of the digital data along with pre-receipted bill in quadruplicate. Bill shall be paid if the work conforms and qualifies the required pre-requisites and is certified by the concerned District Collector.

ANNEXURE - II

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Creation of Spatial Database (Digitization) of Village Maps in Madhya Pradesh

Proforma for Submission of Technical Bids of Spatial Database (Digitisation) of Cadastral Maps

1. Name of Bidder :

1A. Name of Contact Person : 1.
(with mobile number)

2.

2. Address :

3. Phone and Fax No. :

4. E_mail address, if any :

5. Website address, if any :

6. Central Sales Tax No. :

7. State Sales Tax No. :

Service Tax No. :

TIN No. :

8. Details of Company's Registration

S.No	Name of Registration Authority	Registration Number	Product/Service for Which Registered	Validity Period, (if applicable)

9. Details of Income Tax Paid during the last three years (enclose proof)

10. Name of the Bankers along with Branch (as appearing in MICR Cheque) & Account No.

11. Experience in terms of Scanning & Digitization Jobs completed in (Attach separate sheets)

2004 - 2005:

2005 - 2006:

2006 - 2007:

12. Total No. of villages in terms of digitized maps completed (Attach separate sheets)

13. List of major customers (Attach separate sheet, if required)

14. Technical manpower strength (Attach separate sheets) :

Technical manpower strength (attach separate sheets) :

Minimum: 50 Technical Staff in map scanning and digitization work.

15. Digitizing/Scanning Hardware (Attach separate sheets):

Digitizing/Scanning Hardware (attach separate sheets):

Minimum: 50 High-end Systems,

One A0 Size Scanner (600 DPI or above) &

One A0 Printer/Plotter

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16. Digitization/Vectorization Software (Attach separate sheets):

Digitization/Vectorization Software (Attach separate sheets):

Minimum: 30 Data Conversion (raster to vector) s/w

17. GIS Software, if any (Attach separate sheets)

GIS Software, if any (Attach separate sheets)

Minimum: 5 GIS Software

18 Proof of the work completion certificate of similar works.

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ANNEXURE - III

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PROFORMA FOR SUBMISSION OF COMMERCIAL/FINANCIAL BIDS

1. Name of Bidder : _____

- 1A. Name of Contact Person: 1.
(With mobile number) 2.

2. Address : _____

3. Phone and Fax No : _____

4. E-mail Address, if any : _____

5. Web site address, if any : _____

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CHECKLIST FOR VENDORS

S.No.	Description	Remark
1.	Whether EMD Enclosed	Y/N
2.	Copies of Certification / Registration Enclosed	Y/N
3.	All three stages submitted on the poratland saved	Y/N
4.	Letter for submission of bid	Y/N
5.	Method of Description for implementing the project	Y/N
6.	Return of Last 3 Financial Years	Y/N
7.	Copies of Order from different Clients for similar tasks	Y/N
8.	List of Employees	Y/N
9.	Signature on each page of bid Document	Y/N
10.	Name of contact Persons with Mobile Numbers	Y/N

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PRICE SCHEDULE COST PER MAP: - THE BIDDERS ARE REQUIRED TO QUOTE FOR FOLLOWING

1.0 Scanning

S.No.	Job Work	Cost per Map
i)	Scanning of cadastral map	
ii)	Indexing of cadastral map	
iii)	Check print on 90 micron transparency with 100% matching on 1:1 scale output	

Amendment in Annexure III:

Treat the word “MAP” as “Map Sheet” for costing purposes.

1.0 Scanning

S.No.	Job Work	Cost per Map sheet
i)	Scanning of cadastral map sheet	
ii)	Check print on 90 micron transparency with 100% matching on 1:1 scale output	
iii)	Printout in one copy on 75 micron matt polyester paper.	

2.0 Digitization

Vectorisation of village maps provided by competent authority using suitable s/w. They will have to use scanned map derived from point 1.0 above.

S.No.	Job Work	Cost per Map
i)	Administrative boundaries of a revenue Village boundary with name of village / PH / RI / Tehsil / District	
ii)	Parcel boundaries with Khasra No. as mentioned in the map.	
iii)	Road network along with road code and type	
iv)	Railway network	
v)	Major water bodies and drainage network with names of river(s) and ponds.	
vi)	Any layer or feature existing in the map	

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2.0 Digitization

Vectorisation of village map sheets provided by competent authority using suitable software and scanned map sheets derived from point 1.0 above.

S.No.	Job Work	Cost per Map sheet
i)	Administrative boundaries of a revenue Village boundary with name of village / PH / RI / Tehsil / District	
ii)	Parcel boundaries with Khasra No. as mentioned in the map sheet.	
iii)	All features in different layers as shown on the cadastral map sheet	

3.0 Printing

Printing of each and every cadastral map is a must.

S.No.	Job Work	Cost per copies
i)	Printing on 90 micron transparent sheet, as per sample attached on 1:1 Scale output	
ii)	Printing on paper sheet, (3 copies) as per sample paper attached on 1:1 Scale output	

3.0 Printing

Printing of each and every cadastral map is a must.

S.No	Job Work	Cost per Map Sheet
i)	Check printout on 120 gsm photo paper sheet for verification (1:1 mapping).	
ii)	Printout in three copies on 75 micron matt polyester paper.	

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Addition in Annexure No. III, price Schedule for the conversation of MAP.

1. Conversion of Platform (Database format) .

S.No.	Job Work	Cost per Map drawing
i)	Conversion of Platform (Database format) in Arc.shp (dot shp) or Arc geo database format	

2. Incorporate changes in parcel boundaries with Khasra nos (survey numbers). as mentioned in the map sheet.

S.No.	Job Work	Cost per Map drawing
ii)	Parcel boundaries with Khasra nos. as mentioned in the map drawing.	

3. Printing

S.No.	Job Work	Cost per Map Sheet
iii)	Check print on 90 micron transparency sheet with 100% matching on 1:1 scale output	
iv)	Printing on 75 micron (3 copies) on matt polyester Paper on 1:1 Scale Output	

Costing of modification work should be quoted separately in the above format.

Total cost will be for item 1.0, 2.0, 3.0

The rate should be quoted with cost of collecting cadastral maps & delivery of digital data from/at :

- (a) Corresponding District/Tehsil for which cadastral maps has to be Scanned, Digitized and printed.
- (b) Each vendor shall have to set up a working office at the Division / District level assigned to them.
- (c) No extra charges will be paid. It must be noted that:
 - Rates should be inclusive of Sales Tax, Service Tax etc. Form 'D' would be supplied for Sales Tax.
 - One good quality draft copy of scanned image print out and vector data output shall have to be submitted.

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- Training of minimum 5 persons in each district and preparation of user manual is the responsibility of the vendor.

Please read Point (C) Total cost will be for item 1.0, 2.0, 3.0 (page 28 of 28) as:

(c) No extra charges will be paid. It must be noted that:

- Rates should be inclusive of Sales Tax, Service Tax etc.
- If the bidder provides more than one check printout of scanned image or digitized cadastral map. He can claim payment of only one print.
- Training.

Authorised Signature

With Company's Seal

Termination for default and Risk Purchase:

If the bidder fails to execute the contract within the stipulated time, the CLR is at liberty to make alternative arrangement, from any other source i.e. open market/from any other bidder who has quoted higher rates.

The excess expenditure over and above the contract price and other losses sustained in the process shall be recovered from the bidder who fails to execute the contract. For this purpose his Performance Guarantee shall be forfeited and penalty shall also be imposed if there is any balance.

FALL CLAUSE:

Prices charged per map sheet by the bidder should in no event exceed the lowest price at which the bidder offers to any other person/party/state government/ DGS & D/Public undertaking during the period of the contract.

33.1 If at any time during the said period, the bidder reduces the price of such contract to any person/State Govt./DGS & D and public undertaking and the prices are lower than the price chargeable under the rate contract, the bidder shall forthwith notify such reduction to CLR, Gwalior. The prices payable under the rate contract shall correspondingly be reduced. The above stipulated reduction shall not apply to:

- a) Export by the supplier**
- b) For all contracts entered into prior to the date of the tender or for any backlog of pending orders.**

Force Majeure Clause

If at any time during the currency of rate contract the performance in whole or in part by either party or any obligation under this contract shall be prevented/delayed

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by reasons of any war, hostility, acts of the public enemy, civil commotion, sabotage, fire, floods, explosion, epidemics, quarantine, restrictions, strike, lockouts or acts of God (herein after referred to as eventualities) then neither the client nor the bidder will by way of such eventuality be entitled to terminate this contract not shall have any claim for damages against the other in respect of such non-performance or delay in performance (provided notice of the happening of any such eventuality is given by either party to the other within 21 days from the date of occurrence there-of). Deliveries under this contract shall be resumed as soon as practicable after such eventuality has come to an end or ceased to exist.

Note: This format of price schedule is a sample for the Bidder's. The bidder's are instructed to fill the rates in prescribed price schedule available on Portal. Price schedule should not be submitted in Technical Bid, other wise tender shall be rejected.