



GOVERNMENT OF UTTARAKHAND

**REQUEST FOR PROPOSAL
FOR**

Digitization of Cadastral Maps (SAJRA)/Revenue Maps
And Integration with Revenue Records

**AT THE LOCATIONS OF DISTRICT
उत्तराखण्ड शासन**

ALMORA AND PAURI GARHWAL

IN

THE STATE OF UTTARAKHAND

Tender Document No. 3956/08-DILRMP/2016 Dated 20-10-2016

Clarification given on queries raised by vendors in Pre-BID meet held on 7th November 2016 at PMU, BOR, Dehradun – Uttarakhand. All other clauses will remain the unchanged.

Sl. No	Page No	Section Reference	Description	Clarification
1	13	Notice of Inviting e-Tender	The earnest money of Rs 8 lakhs (Rupees Eight Lakhs only) is to be paid along with the technical offer document in the form of bank draft in favour of Commissioner cum Secretary, Board of Revenue, Uttarakhand, Dehradun payable at Dehradun. Bidder should submit sealed envelopes containing technical bids on the prescribed tender document complete in all respect.	The earnest money of Rs 8 lakhs (Rupees Eight Lakhs only) is to be paid along with the technical offer document in the form of bank guarantee / bank draft / cheque in favour of Commissioner cum Secretary, Board of Revenue, Uttarakhand, Dehradun payable at Dehradun. Bidder should submit sealed envelopes containing technical bids on the prescribed tender document complete in all respect.
2	16	Objectives of Digitization of Cadastral Maps	1. After linking of the cadastral map with textual data, the citizen can be provided with the services e.g. ROR with plot map (parcel map), showing dimensions of each side, area and the adjoining plots and Textual ROR data updation in sync with spatial data updation.	To be delete
3	16	Digitization Deliverables	4. Database of digitized maps as database file. The format and structure should be as per department standards.	BOR will provide the data structure i.e. PGDB
4	17	Digitization Deliverables	The bidder should provide the outputs in various formats like:-	<p>1. Scanned maps in *.tiff and *.pdf format.</p> <p>2. One copy (1nos.) printout of each scanned map in 1:4000 scale on a 60 GSM paper, after clean all the obstacles as mentioned in clause:- Creation of GIS ready digitized Cadastral Maps. Para:- Scanning / page no:- 20</p> <p>2. Digitized maps along with symbol library on various layers in DVD media as *.dwg file, *.shp file & *.pdf file.</p> <p>3. Scanned maps and digitized maps on DVD media as well as on storage in Server (if provided).</p> <p>4. Database of digitized maps as database file. The format and structure should be as per department standards.</p> <p>5. Attribute data in database with proper linkage to digitized maps.</p> <p>6. DMS (Document Management Software) for easy retrieval and greater access to the preserve data i.e. scanned maps and vector data.</p>

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				<p>7. One copy (1nos.) sample printouts of each digitized map for correction by department has to be provided in 1:4000 scale on a 60 GSM paper.</p> <p>8. One printout of each digitized map has to be provided in 1:4000 scale on a 90 GSM paper to the department.</p>
5	18	TERMS AND CONDITIONS	7. The Bidder is required to submit one original and one copy of the Technical Bid enclosed in separate envelopes, clearly marking envelope as "Technical Bid – Original" and "Technical Bid – Copy", as appropriate. The original and copy shall be enclosed in the "Envelope-I Technical Bid".	7. The Bidder is required to submit one (01) original and two copies (02) of the Technical Bid enclosed in separate envelopes, clearly marking envelope as "Technical Bid – Original" and "Technical Bid – Copy", as appropriate. The original and copy shall be enclosed in the "Envelope-I Technical Bid".
6	19	Earnest Money Deposit	1. Bidders are required to give an Earnest Money Deposit (EMD) for Rs. Rs 8 lakhs /- (Rupees Eight lakhs only) in the form of Demand Draft or Pay Order of a Nationalized/ Scheduled Bank in favour of Commissioner cum Secretary, Board of Revenue, Uttarakhand payable at Dehradun valid for a period of 90 days from the due date of the tender will have to be attached with the Technical offer.	Bank Guarantee will also accept.
7	20	Creation of GIS ready digitized Cadastral Maps	<p>Para:-Indexing All the maps needs to be indexed and list of inventory prepared. The codification should be used in District (2 digit) Tehsil (2 digit) Revenue Village (6 digit) and sheet number (2 digit). For e.g.; 01010000101 for 01-District, 01-Tehsil, 000001-Revenue Village and 01-1st sheet.</p>	<p>Para:-Indexing All the maps needs to be indexed and list of inventory prepared. The codification should be used as per census-2011 code.</p>
			<p>Para:-Scanning Measured length and width within the bounding box of map should be +/- 0.1% of the original maps.</p>	<p>Para:-Scanning Measured length and width within the bounding box of map should be +/- 0.01% of the original maps.</p>
			<p>Para:-Bar-coding Each and every map should be Barcode and vendor will paste a Barcode sticker in a designated position on the maps. Before starting digitization, it is desired that, each of the cadastral map and scanned image should be tagged with the barcode as per the format given by BOR.</p>	<p>Para:-Bar-coding Each and every map should be Barcode and vendor will paste a Barcode sticker in a designated position on the maps. Before starting digitization, it is desired that, each of the cadastral map and scanned image should be tagged with the barcode as per the format given by BOR. Please Refer to Para:- Indexing Bar-code should be readable through bar-code scanner.</p>

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8	21	Linked with ROR	Digitized maps should be linked with ROR (attribute) which is already computerized and available in DEVBHUMI. The software for data and map updating due to transaction/mutation will be tested and used. The missing or extra Khasra numbers will be checked by PMU and will return to the Service Provider for correction.	Signing date of Contract Agreement will be the cut-off date for ROR data linkage.
9	24	Eligibility Criteria of Bidders	Sl.No.4 Average Annual Turnover of the firm must exceed Rs. 5 crores in each of the last 3 financial years (FY 13-14, FY 14-15 and FY 15-16).	Sl.No.4 Annual Turnover of the firm must exceed Rs. 5 crores in each of the last 3 financial years (FY 13-14, FY 14-15 and FY 15-16).
10	25	Evaluation Framework	<p>Para:-3 The Bidders Key personnel Experience & qualification related to Map Scanning and Digitization (CAD & GIS Project) Project Management 20 yrs + PG in Geography/Geo-Informatics = 10 15 yrs + PG in Geography/Geo-Informatics = 9 10 yrs + PG in Geography/Geo-Informatics = 8</p> <p>Para:-4 The Bidder having GIS professionals (GISP) with prior experience of more than 10 years in GIS Mapping as on 31st March 2015 20 + GISPs = 15 marks 15 + GISPs = 13 marks 10 + GISPs = 10 marks</p> <p>Para:-5 The Bidder having GIS professionals (GISP) with prior experience of more than 2 years in GIS Mapping as on 31st March 2015, will be awarded marks as below 200 GISPs = 15 marks 150 GISPs but < 200 GISPs = 13 marks 100 GISPs but < 150 GISPs = 10 marks</p> <p>Para:-7 CMMi Level 5 = 20 marks CMMi Level 4 = 18 marks CMMi Level 3 = 15 marks</p>	<p>Para:-3 The Bidders Key personnel Experience & qualification related to Map Scanning and Digitization (CAD & GIS Project) Project Management 15 yrs + PG in Geography/Geo-Informatics = 10 10 yrs + PG in Geography/Geo-Informatics = 9 7 yrs + PG in Geography/Geo-Informatics = 8</p> <p>Para:-4 The Bidder having GIS professionals (GISP) with prior experience of more than 10 years in GIS Mapping as on 31st March 2015 15 + GISPs = 15 marks 10 + GISPs = 13 marks 5 + GISPs = 10 marks</p> <p>Para:-5 The Bidder having GIS professionals (GISP) with prior experience of more than 2 years in GIS Mapping as on 31st March 2015, will be awarded marks as below 150 GISPs = 15 marks 100 GISPs but < 150 GISPs = 13 marks 50 GISPs but < 100 GISPs = 10 marks</p> <p>Para:-7 CMMi Level 3 or ISO 9001:2015 = 20 marks ISO 9001:2000 up-to ISO 9001:2008 = 15 marks</p>

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11	30	Payment Terms	Para:-1 Mobilization Advance* against bank guarantee of same amount by the vendor	Para:-1 Mobilization Advance* against Performance Bank Guarantee (PBG) of same amount by the vendor. (Ref. to para Performance Bank Guarantee, page no.-26)
12	35	Guidelines for Map Digitization	2. Tracing or re-production of the analog maps	BOR official will help to trace the map. Vendor has no liability once appropriate authority approved the same.
13	38	9. Template creation	To be add	BOR will provide the map template / .lisp file etc.
14	41	For evaluating digital data in the database, following guidelines should be used:	2. Verification of the co-ordinate system (in Auto CAD map); projection and datum (in geo -database)	Data should be in UTM projection and WG84 datum
			7. Verification of geo-referenced control points (GCPs) and RMS (Root Mean Square) error for the transformation model	To be delete

उत्तराखण्ड शासन