

Proceedings of Pre-bid conference held on 24-06-10

A pre bid conference as per the clauses of the tender uploaded on 31-05-2010 on www.plrs.org.in and www.punjabrevenue.nic.in was held under the chairmanship of Ms Bhawna Garg, Special Secretary Revenue in the conference hall of Punjab Planning Board SCO 70-72, Sector 17 –D Chandigarh.

The following representatives of the participating companies were present.

Email Address for Pre -bid

S no.	Company Name	Name	Email	
1	Samimtekmindz noida.	Rajat munshi	rajatmunshi@tekmindz.com rajivjoshi@tekmindz.com	
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3	Theovel Surveys Bangalore	Vinod Kumar	info@theovel.com	
4	Rolta India Ltd.	Tapan Sharma	Tapan.sharma@rolta.com Anuj.madan@rolta.com	
5	Consulting Engineers Associates.	Charan Singh	ceapkl@gmail.com khatrik@hotmail.com	
6	SGSI INFO tech Gurgaon	Satish saini	satishsaini@sgst.com infotech@sgst.com	
7	Genisis International Corporation Ltd.	Amit malik	Amit.malik@genesys.com	
8	Albireo Telematis pvt. Ltd. Gurgaon.	Himanshu pahava	Himanshu.pahara@albireotelematics.com	
9	Capital Bussiness Systems Ltd. New Delhi	Dinesh Gupta	dinesh@cbsl-india.com rajeshbakshi@cbsl-india.com	
10	Pan India Consultants Pvt.Ltd.	K S sood	kdsood@panindiagroup.com vivekbansal@panindiagroup.com	
11	CCE (PEC) Chandigarh	H.S Saggi	Harvir.sagg@gmail.com	
12	RMSI	Sameer chopra	Sameeer.chopra@rmsi.com	
13	Magnasoft	Bobbie kalra	Bobbie.h@magnasoft.com	
14	Magnasoft	Maj. Gen MV	mv.bhat@magnasoft.com	

		Bhat		
15	Secon pvt. Ltd.	Praveen Asthana	pka@secon.in	
16	D.D. surveys Consultants	DD Shavna	Kripa321@rediffmail.com	
17	Cms computers Ltd. Chandigarh.		Saxena_ambrish@rediffmail.com	

The conference began with the welcome note by the chair and all the companies representative introduced themselves.

A presentation was given by the chief consultant Maj Gen (Retd) Shamsheer Singh who explained each and every step involved in the project. The Presentation is available on www.plrs.org.in and www.punjabrevenue.nic.in.

After the presentation there were number of questions which were replied during the conference. Number of companies had forwarded their queries directly to the Chief Consultant which were also replied during the conference. The queries and their replies are enumerated below.

a) Query Raised by Rolta India

Sl. No	Tender Reference (Page No/Clause No)	Tender Clause	Rolta's Observation	Response to Queries
1	Page 18. 1. Task– Point (g)	Collection of Attributes	Kindly mention the type of attributes	The proforma is attached in presentation, there are about 25 to 30 Attributes. Few attributes might get changed.
2	Page 20 point VIII	Complete data prepared on Arc GIS format along with Attributes attached as per data model structure.	Is it necessary to use Arc GIS format or any relevant functionality of software can also use?	It is necessary to use Arc GIS format
3	Page no 23, Technical Specifications	Feature collection by field survey or from photographs and then	Collection of features in 2D format from Orthophoto. Or 3-D format	2D features shall be picked up from ortho photographs which will

		verification on ground using ground methods for pilot villages on 1:1,000 scale using soft copy photogrammetric techniques or total station as per procedure defined by PLRS.	(collecting features from stereo images)	be supplied by Punjab Land Records.
4	Page 21 point (B) Page 24 Mapping Accuracy	Accuracy: All features should agree within 20 cms in ground terms. The minimum accepted accuracy for planimetry is 15 cms and for height is 0.5 mt.	Which Accuracy has to follow?	All topographical features should agree with in 20 cms
5	Page 27, Mandis	Grain mandis whether open or covered must be picked up along with capacity.	Kindly clarify the picked up along with capacity will Capacity also be collected through field survey?	Both Approximate capacity for storage
6			Please provide the information village names, No of Land Holdings in a village and Approximate Sq.km in a village	Village will be allotted after taking out the draw. The area is approximately 3 to 3.5 sq km. The number of holdings varies from village to village.

b) Queries raised by Genysis

Sr. No.	Ref. Clause / Page no.	Clause details	Our Queries	Client's Response
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Sr. No.	Ref. Clause / Page no.	Clause details	Our Queries	Client's Response
1	Para 1 Page 1	Punjab state has aerial photography on 1:10000 scale.... which can be used for carrying out pilot study.....	1:10000 scale aerial photographs may not yield accuracy of 15 cm on ground terms. Kindly clarify.	Since the available photography for the pilot is only on 1:10,000 and we have seen with experience that 1f scanning is done on 14 micron the aerial photograph can be blown up to 12 times hence you achieve an accuracy of about 15 to 20 cms but we are placing order for 8 cms GSD,for the rest of state survey, which will be sufficient to achieve the accuracy by photogrammetric means
2	Para 7b, Rates sub para 2, page 9	Unit for quoting should be 100 landholdings.	Please provide the average number of landholding per village.	The area of the village is approximately 3 to 3.5 Sq km. No. of holdings will vary depending on built up or open areas.
3	Annexure I, Terms of Reference , Para FAssigning unique parcel ID	Can this ID be created by PLRS?	No, the company will have to assign as per our procedure
4	Annexure I, Reference Para 6b	Accuracy of all features should agree within 20 cm in ground terms.	Accuracy may be defined for ground control of various types; planimetric accuracy of the final land parcel map needs further clarification.	Should be with in 20 cms in ground terms (only for topographical features)
5	Annexure II, Para 1 (a)	... The traverse carried out....must close within 1:5000 accuracy	Accuracy may be defined for ground control of various types; planimetric accuracy of the final land parcel map needs further	If you measure 5 km you can be out by a meter in traverse. And if distance between two well defined points of a parcel is measured it should agree

Sr. No.	Ref. Clause / Page no.	Clause details	Our Queries	Client's Response
			clarification.	with in 15 cms.
6	Annexure II, Para 1	Special instructions. The minimum accepted accuracy for planimetry is 15 cm and height 0.5 m	Accuracy may be defined for ground control of various types; planimetric accuracy of the final land parcel map needs further clarification.	As defined above
7	Annexure II, Para 1	Grid lines and control points shall be plotted and drawn to plotting accuracy of 0.2 mm	Accuracy may be defined for ground control of various types; planimetric accuracy of the final land parcel map needs further clarification.	A dot of a pencil on paper is taken as 0.25mm on computer dot is a pixel size therefore thickness of grid line should not exceed 0.2mm
8	Method of Feature Extraction / a)	The requirement of control points shall be approximately at about one km to two km apart.	Please provide the approximate area of one village for proper estimation purpose.	3 to 3.5 Sq Km
9	Annexure I, Task b)	Digitization of Mussavis	Please clarify whether old mussavis are in digital (scanned) format or hard copy. In case hard copy, please specify whether all mussavis are in readily scan able state or not?	Only very few mussavis are scanned but we are not sure of their quality therefore possibility is there that you may have to scan it again or paper mussavi is given to you.
10	Annexure I, point 4: Input data / Clause (b)	Aerial photographs of those villages for which Aerial photography is available.	We understand that the aerial photographs are in hard copy format and have to be scanned onsite (as mentioned in Clause 5 "Probable worksites...down loading" of the tender document. Please confirm or state otherwise.	Aerial photograph on 14 micron scanned and ortho rectified shall be given to you.

Sr. No.	Ref. Clause / Page no.	Clause details	Our Queries	Client's Response
11	Section 1, Clause 3 (vi)	Company can be individual or consortium.....	How many members are allowed in Consortium? Pl. confirm	Members are not a constraint but constraint is on its turn over which should be 2 crore in each case.
12	Part B: Schedule of Tender document for...	Separate tender for each city...	We understand that, in case we apply for 2 cities, we need to submit 2 separate bids, even though the methodology, experience etc. are same. Pl. confirm. Also confirm whether we can offer different methods for each city, i.e. one city using Total station and one city with Photogrammetry?	If you apply for two villages one shall be with photography and other shall be by total station. No company shall be allotted more than one village for same technique

S. No.	Query	Reference	Client Comments
1.	Please confirm, if applied for two villages whether to submit two separate technical proposals, i.e one on Total station and another on Total station & Photogrammetry.	Section 1 tender Notice, Para 4,	Yes Two separate tenders are to be submitted
2.	We understand scanning of Old Mussavis is not within the scope, client will provide scanned images of the Mussavis. Please confirm.	Annexure - 1	Wherever the mussavis are scanned companies shall be given scanned images but the quality of data shall not be the responsibility of PLRS otherwise paper mussavis shall be supplied.
3.	Time frame available is 3 months from commencement of contract. We understand that all the input data (including Aerial Photos) be provided at the time of signing the contract. Please confirm.	Annexure - 1, 2	Yes before the project begins required input data as per tender clauses shall be supplied.
4.	"A copy of final check plot should be taken, on Paper ." Kindly provide the specifications of paper.	Annexure - 1, 6.Acceptance Procedure (f)	It can be on any standard paper run on A0 size

Sr. No.	Ref. Clause / Page no.	Clause details	Our Queries	Client's Response
5.	"Tracks and foot paths if wide enough to be shown....." What should be the minimum width that to be considered.	Annexure II Technical Specification; 3. Road Tracks & Footpaths, Bridges & culverts		Generally cart tracks shall have width which can be plotted on grid sheet but foot path can be shown as topo detail and can be picked up as single line
6.	What will be the input for creating transmission line, Pipe line, Masts & pole layers?	Annexure II Technical Specification; 4. Transmission lines, Pipe lines, Masts & Poles		It will be ground survey where you have to pickup each pole upto the Electric sub division. The lines carrying local distribution inside the built up area need not be picked up but if the lines are in the open field like for tube wells need to be surveyed.
7.	" Perennial and Seasonal rivers shall be shown by their width". To capture Perennial & Seasonal River different vintage's Satellite Imageries are required. Kindly confirm.	Annexure II Technical Specification; 5 Water & Drainage Features		You may capture from satellite but its actual width will not agree which should be as per defined accuracy.
8.	Kindly provide the details of Land Use Features that are to be captured as attributes.	Annexure II Technical Specification; 6b		Attribute performa is under preparation but however the number of attributes shall be approximately 25 to 30.
9.	How old are the Mussavis that are to be digitized?	General		From 1950 onwards
10.	Tenderer would prefer the following: (1)Indemnification from Punjab Land Records for claims arising out of its negligent acts or omissions (2)The indemnification language as it is stated in the RFP is fine, except that Tenderer would like it clarified that it extends only to "damages and claims arising out of damage, destruction and death caused to personnel, equipment & stores employed by the contractor" <u>that were caused by negligent acts or omissions by Tenderer.</u>	Indemnity Pg. 16, Section 7(r)		The clauses indicated are sufficient we do not feel there is any requirement required for modification
11.	Tenderer would ask that it be permitted to retain ownership of the underlying methodologies and know-how for such deliverables/data.	Pg. 16, Section 7(t), IP Rights		The tenderer is not permitted, to retain ownership of the underlying methodologies and know-how for such deliverables/ data.

Sr. No.	Ref. Clause / Page no.	Clause details	Our Queries	Client's Response
12.		Tenderer is fine covering the cost to purchase the stores elsewhere, however, we'd ask that any amounts recovered under this clause be capped as per the limitation of liability.	Pg. 32, Section (d), Delay	Please clarify the question so that tender can be amended accordingly

Queries raised by Seccon

S No.	Item	Reference	Clause No.	Query/Clarification	Clients Response
1	Probable work sites for feature extraction/ data downloading	Section	Para 5 (Last para)	<p>Probable work sites for features extraction / data downloading.</p> <ol style="list-style-type: none"> As the area of work is spread over 6 districts/ locations of unequal terrain conditions, development and size of parcel, separate fee application for each district/ location at L-1 for particular district/ location may be considered. It has been mentioned that "the Commercial bids shall be opened of those companies who have been declared successful in completion of pilot villages and shall be paid at L-1 rates". <p>It means that rate to be paid to a company will be decided after completion of the pilot project and would be as per L-1</p>	<p>It is agreed that rates will vary as per location but since it is a Pilot which Punjab Govt does not want to get it done free therefore this system has been planned. In case of main tender we shall be asking rates as per Tehsils.</p> <p>Since, in past, no company has followed the method which we have suggested therefore we want company should first understand the method. Also once the price bid is opened and company is declared as L1 many companies will not get an opportunity to carryout survey therefore your suggestion is not agreed to.</p> <p>This pilot survey is a criteria for technical qualification of a</p>

				quoted by any agency which may not be acceptable to the executing firm though the pilot project has already been completed by him. It is, therefore, suggested that the commercial bids may be opened before the award of the pilot project on mutually agreed rates.	company for the survey project in the state under NLRMP.
2.	Input data	Annexure-I	4 (d)	2 D high resolution Satellite imageries (HRSI) are of no use in undulating terrain conditions. Client is requested to supply 0.5 m resolution stereo images for compiling 3 D maps.	Punjab is fully flat therefore stereo imagery shall not be of any use. Also PLRS does not want to use satellite images for feature extraction. Satellite images are suggested for taking to field as Aerial photographs are Secret.
3.	Output required	Annexure-I	5 (d)	Hard copy on transport media is obsolete now. Request deliverables on paper hard copy and software on CD/DVD media.	As our Patwaris/village officials are not conversant with digital technology and they have to authenticate the records therefore transparent sheet print is required.
4.	Special Instructions	Annexure-II	Detail specifications of features to be captured -1. Buildings and structures	For Cadastral/ Land Survey, Built up villages (Abadi areas) may be excluded, as is a standard practice in other states. Moreover, on a 1 in 1000 scale, abadi areas cannot be surveyed and shown.	Abadi area can not be separated out as GIS/LIS for urban area is also to be prepared. Since photogrammetry cannot be successful in built up area therefore we have asked companies asking for photogrammetric Survey to undertake Total Station village also. In our tender we are carrying out plotting in the field on 1:1000 scale where as total station measurements will be scale free as total station data will be digital data

5.	Special Instructions	Annexure-II	Detail specifications of features to be captured - 2,3,4,5,and 6.	Road tracks, footpaths, bridges and Culverts, transmission lines, pipeline , masts, poles, water and drainage features, treatment plants, terrains, Quarries, vegetation, recreational areas etc. come under topological survey. These features may be excluded from the present scope of work as it will require lot of additional time effort leading to substantial increase in cost of the project.	As the final result has to be LIS/GIS integration therefore these topographical features would be required.
6.	Rates	Particulars of the Tender	Terms & Conditions - 7(b) (i)	How much is approximate area of one land holding?	Land holding varies from half acre to 5 acres.
7.	Rates	Particulars of the Tender	Terms & Conditions - 7(b) (ii)	How many average number of land holdings are there in one villages?	As the built up (Especially within lal lakir) area of a village has never been surveyed this cannot be answered precisely.

Quires raised by CBSL

S no.	Description	Our query	Client Response
1.	Planimetry Accuracy	Is it 20 m or 15 cm	Since details are being plotted on 1:1000 scale where plot able error is 25 cm but in case Total Station Survey the accuracy shall be with in 15 to 20 cms depending on which feature you select for checking. If it is a well defined feature the accuracy which one can achieve will be 15 cms.

2	<ul style="list-style-type: none"> • Data model structure • Design of unique – ids • Symbols liberary 	Can PLRS provide details	<p>Data Model structure, design of unique ID and symbol library shall be given by PLRS.</p> <p>Attribute sheet is being designed which can be given by PLRS but however number of attributes are between 25 to 30.</p>
3	Attribute data to be collected during field survey	Can PLRS provide details of data to be collected	Attribute sheet is being designed which can be given by PLRS but however number of attributes are between 25 to 30.
4.	Data centre set up	Will PLRS provide office space, electricity and security arrangements and permission to work in 2 shifts.	<p>PLRS shall be able to help in all respect but expenditure has to be borne by the tenderer.</p> <p>Yes company has to remove the system after getting the system checked so that no data shall be copied and taken by the tenderer</p>
5.	Hardware % software	Can the company remove systems for which work is completed during the pilot project.	Yes after getting the system checked and discs cleaned.
6.	Data checking & acceptance by PLRS	<ul style="list-style-type: none"> • What % of data will be checked for acceptance. • We understand that data checking & acceptance by PLRS will lead to company being declared successful, before data publication. Please confirm if this understanding is correct. • What will be the timeline within the errors will be report after data 	<p>About 25% of data shall be checked and 10% partial lines shall be drawn to check the data.</p> <p>The data shall be checked by the committee constituted for this purpose and once data checked by the committee and accepted then only payment shall be released</p>

		publication.	and also company shall be declared successful if company completes the project with in 3 months in case total Station Survey and 45 days in case of Survey through photogrammetric means.
7.	Security deposit of 10 % of job order value valid for 6 months from date of job order	What job order value will be consideration for this purpose.	The clause is being removed from tender
8.	Consortium	Will letter of association signed by consortium partners suffice ?	There should be a proper agreement between consortium partners.

Other Questions

Brig(Retd) K. S Khatri from Consulting Engineers Associate

Q Whether Roads/canals will be taken as one parcel or different.

Ans It will be on the basis of records of parcels already defined by Land records These are the records which were used for acquiring the land.

Q Whether Lal Lakir area/ built up area will be left out or it will be included.

Ans It will be included.

Q. Whether data base will be in English?

Ans. No it will be in Punjabi

Q Whether Bhakra Nangal Rectangulation data can be provided ?

Ans There is no where about of this data therefore cannot be supplied

Q Whether Symbol Library can be supplied

Ans Yes

Q Whether Part payment can be given

Ans No part payment can be made.

Questions by Maj Gen(Retd) M.V Bhat M/s Megna Soft

Q Whether heights will be ortho metric or ellipsoidal

Ans Ortho heights shall be used.

Note If any question is missed out please do remind us we shall be happy to reply you back quickly.

The conference concluded with a vote of thanks to the chair.