

Queries - PMIDC - GIS based Master Plan formulation					
Bidder	Sl#	RFP Document Reference (Volume, Section No. , Page No.)	Content of the RFP requiring clarification	Clarification Sought	PMIDC remarks
Intercontinental Consultants and Technocrats Pvt Ltd	1	Section 2 (Scope of Work), 2.2, Page 7	Update of already published Master Plans	<p>1) Whether existing and already published Master Plans have the base of GIS platform? If so, city wise details / statuses may be provided</p> <p>2) The scope includes incorporation of khasras maps. It is requested to kindly confirm whether the respective Municipal Corporation/ Council will provide all Khasras available with them free of cost or whether the Consultant needs to procure the same from the concerned Revenue departments of each city.</p> <p>3) Whether the Khasras maps are available in digital (vector format) as scanned form or hard copies or in both forms</p>	<p>1. Existing and already published Master Plans donot have the base of GIS platform but existing landuse plans are prepared on a GIS platform.</p> <p>2.) For the villages for which the <i>shajra</i> maps are available in digital format the list is attached in Annexure - I.</p> <p>3.1) For the municipal areas for which, the shajra maps are not digitized yet, the hard copies shall be provided.</p> <p>3.2) They will be provided in AutoCAD format.</p> <p>3.3) The scope of work for the 1<sup>st</sup> activity (Geospatial-data base creation) has been limited to <b>Municipal limits</b> for all the cities.</p>
	2	Section 2, 1.6.1, page no. 6	<b>Updation of Notified Master Plan : Prepare the Master Plans</b>	The Client is requested to kindly confirm whether the Consultants will be required to develop the web-GIS portal	No web portal is needed to be prepared. However all deliverables should be viewable/editable using any open source GIS software like

			<b>with the support of GIS data base for the web portal</b>	in addition to the spatial attribute collection, updating and vetting of the base maps.	Quantum GIS.
<b>3</b>	Section 2: ToR, Para 2.4, Page 8		<b>Surveys</b>	<p>After perusing the RFP document, the Consultants understand that that Socio-Economic Surveys are to be conducted. In light of the same, the Client is requested to kindly specify the sample size.</p> <p>Alternately, the Consultant would like to suggest that 0.5% of the households in each city be used as an estimate.</p>	<p>1. PMIDC wishes to reiterate that the objective of this engagement is Updation to GIS platform/ Amendment of Master Plans (as per Section 2.5 of RFP, Page 8) except for Barnala town.(fresh Master plan formulation for Barnala)</p> <p>2. No new social economic survey is needed in the 16 towns. Instead SECC 2011 data and any other surveys/studies conducted under any Scheme will be used to update the Master Plans.</p> <p>3. For further clarity, please refer to clarifications mentioned at the end of this document.</p>
<b>4</b>	Section 2, Sub-Section-3, Page 8		<b>Deliverables, Timeline and Payment Schedule</b> The payment will become due on approval of the stage reports and on raising of bills/ invoice by the Bidder after the approval of the stage report. The processing time of the payment will be 60 days for final	<p>The Consultants would like to suggest that since the payments are due after approval, it is requested that the processing time may please be reduced to 30 days for final payment and 15 days for other payments.</p> <p>This may please be accepted and confirmed.</p>	RFP clause shall prevail

			payment and 30 days for all other payments.		
5	Section 2, Sub-Section-3, Para 3.1, Page 8	<b>The time schedule for various milestones to be achieved as under</b> Processing time is 30 days for 5 stage reports	The Consultants after having completed numerous similar assignments would like to suggest that the processing time of all the reports (except draft and final) may please be reduced to 15 days. This may please be accepted and confirmed.	RFP clause shall prevail	
6	Section 13 (iii), Page 20	<b>Other Condition of Payment</b> Liquidated damage of 10% of total Contract Prize	The Consultants, having undertaken numerous assignments for various Clients would like to mention that sometimes the cause of delay in the conduct of consultancy services does not remain in control of the Consultants; Therefore, in light of this, it is proposed that either this condition may be deleted or its amount may be reduced to 5%. This may kindly be considered and accepted.	RFP clause shall prevail	
7	Clause 4 of ToR, Page 9	<b>Support by Bidder after approval of Final Master Plan</b> After approval of Final Master Plan, the Bidder will provide support for one year from the date of approval of Final	The Consultants' presume that the Consultants' have to only support the Client for organizing the said task given in Clause 4 of the ToR. Further, all expenses like Venue, Audio- Video system, Tea/Snacks and Lunch, travel fare etc. for the participants & the Consultants' Team, shall be borne by the Client and	Yes	

			Master Plan for the plan approval process, workshops, discussions and making presentations to various agencies/ departments, incorporating modifications if any, as and when required by the Client for the publication of Master Plan. Client will also support at the time of public objections.	the Consultants shall not cater any provision for these in their financial proposal. Kindly confirm if the understanding of the Consultants is correct.	
<b>8</b>	Section 6, Financial Proposal	<b>Out of Pocket Expenses</b>		The Consultants have observed that there is no Form wherein the Consultants can claim other Out-of-Pocket expenses, like per diem, travel fare, report printing, local transportation, etc. In light of the same, the Client is requested to kindly provide a separate Form for proposing other Out-of-Pocket Expenses.	Not accepted. No out-of-pocket expenses would be admissible.
<b>9</b>	Clause 2.2 of GCC, Page 44	<b>Commencement of Services</b> It is stated that the Bidders shall begin carrying out the Services after the date the Contract becomes effective		The Consultants request the Client to kindly allow the Consultants with a period of 2-3 weeks to mobilize their staff from the date of signing of the Contract.	Bidders need to mobilise their resources within <b>3</b> weeks from signing of the contract.

			i.e. Contract signing date.		
<b>Infomaps</b>	<b>10</b>	P.No. 15 Eligibility Criteria -1	The Bidder must be a company in India Registered under The Company's Act 1956 or a company registered abroad or LLP firms	We request you to include partnership firms also to participate in this tender	Accepted. The terms and conditions for the turnover as mentioned in the RFP shall be applicable to the partnership firm as well.
	<b>11</b>	P.No. 12 - 2. Method of Selection	The Technical Proposal should be accompanied with an Earnest Money Deposit(refundable for all non-successful bidders) of Rs. 5,00,000/- (Rs. Five Lakh Only)in the form of bank draft drawn in favour of State Mission Directorate, Government of Punjab, payable at Chandigarh.	Is that EMD is for each Amrut City or for all the cities. We request you to Exempt EMD for SSI companies	EMD is bidder wise and not group wise. RFP clause shall prevail for the EMD clause.
<b>Voyants</b>	<b>12</b>	1.6.2 Updating the Spatial Attributes Collection& Vetting of Base Map, Page 6		What are the attributes of the base map to be made available by NRSC Hyderabad? Kindly provide following details of draft base map: 1. On which satellite data the draft base map has been prepared 2. The resolution of satellite data 3. The procurement date of satellite data	The data provided by NRSC would be of sub-meter resolution. Procurement date shall be around March 2018. The exact details would be shared with the successful bidders.

	<b>13</b>	2.2 Update and prepare the already published Master Plans and report with the support of GIS data base for the Web Portal., Page 7		The field verification for base map updation is itself a time consuming job. Please clarify whether it would be based on random sampling basis or consultant has to verify all features on ground mapped by the NRSC.	No field verification has to be performed by the successful bidder. Ground truthing is a responsibility of the ULB/PMIDC.
	<b>14</b>	Section 3 Information to Bidder: Page 12	Separate technical and financial Proposals are to be submitted for each group.	<p>We are of the view that consultant can apply for all groups and there is no restriction on number of groups? Pelase confirm.</p> <p>Kindly Clarify that whether this clause restricts a single bidder not to be allotted more than 4 towns under each Group (I-VI) separately or whether it restricts/limits that 1 bidder will only be allotted a maximum of 4 towns from the total 16 towns?</p> <p>Also, Kindly Clarify that under "Form 6B. Summary of Costs, the amount for Master plan formulation": The amount to be filled as a total for the entire Group or separately for each town under that Group?</p> <p>Please confirm whether separate team is required for each group or one team for all groups, will be acceptable.</p>	<p>There is no restriction on the number of groups that the bidder can apply for.</p> <p>Since each bidder will not be allotted more than one group, only one team needs to be fielded by each bidder.</p> <p>Grouping of the cities as given in Section 1.2 have been revised are given in Annexure II:</p>

	<b>15</b>	2. Method of selection: 2.4 Page 12	The proposals must be accompanied with a non-refundable processing fee of Rs. 5000/- (Rupees five thousand only)for each group in the form of a bank draft drawn in favour of State Mission Directorate, Government of Punjab, payable at Chandigarh.	Please let us know whether tender processing for each group is required separately or INR 5000/- for all groups. Please confirm	Tender processing is per bidder and not per group.
	<b>16</b>	2.5, Page 12	The Technical Proposal should be accompanied with an Earnest Money Deposit(refundable for all non-successful bidders) of Rs. 5,00,000/- (Rs. Five Lakh Only)in the form of bank draft drawn	We would like to request you please allow consultants to submit Earnest Money Deposit in the form of Bank Guarantee instead of Demand Draft. Please also share format for Bank Guarantee.	RFP clause shall prevail
	<b>17</b>	9.2 Proposal Evaluation Page 15	Bidder should have an average annual turnover of Rs. 1 crore in each of the last three (3) financial years i.e. FY 2015-16, FY 2014-15, and FY 2013-14.	Considering detail tasks, use of latest technologies and extent of work of 16 towns, we suggest that the applicant should have a Net worth of Rs. 5 Cores or more as on 31st March 2016 and The applicant shall have average annual Turnover of at least Rs 20 Crores through Professional fees during the last four financial years (Financial Year 2013-14,	RFP clause shall prevail

				2014-15, 2015-16 and 2016-17).	
<b>18</b>	9.10, Page 19	The Bidder who has bid the lowest amount (L1) will be invited for discussions/ clarifications for the purpose of signing a Contract Agreement. L1 shall be the bidder, who is technically qualified and has quoted the lowest cost (Cost per group) as per Commercial Bid format.	Proposal Evaluation: Normally the ratio for QCBS evaluation method is 80(T):20(F) for best competition with balance between technical & financial aspects. Kindly consider to change the ratio to 80(Technical):20(Financial) instead of 75 percent technical and L1 financial.	RFP clause shall prevail	
<b>19</b>	Other queries		Does scope involves public consultations/ public presentations also? Does scope involves invitation of objection/ suggestion on draft plan/ review of comments/ revision and final publication? Who will bear the cost for public consultation?	Venue for the Public Consultation, coordination with the target audience would be arranged by the client. The logistics (travel and other), however, have to be borne by the Vendor.  Yes. The scope involves invitation of objection/ suggestion on draft plan/ review of comments/ revision and support till final publication or one year period starting from the date of acceptance of draft proposals which ever is earlier.	



	<b>20</b>	Other queries		In order to prepare a good quality and competitive proposal we request you to keep the submission date 15 days after the release of minutes of pre-proposal conference.	Revised bid submission date mentioned in the corrigendum
<b>Aarvee Associates</b>	<b>21</b>	Terms of Reference Clause 1.5 - Table, Page 5		Please clarify · Whether Horizon period refers to the in-force Master Plan horizon period. · Date of notification refers the Final approval of the in – force Master Plan. · Planning Area and notified plan area are same or any difference in area.	Yes.
	<b>22</b>	3. Deliverables, Timeline and Payment Schedule 3.1 The time schedule for various milestones to be achieved as under: Page 8		· Please consider submission of the deliverable instead of approval for the payment.	RFP clause shall prevail
	<b>23</b>	Section 3. Information to Bidders 1.2 Interested bidders may submit proposals for the following groups:- Local Planning Area in Sq. Km. Page 11		· Please provide a map to have a spatial view of the study area which clearly shows the boundary of the Local Planning Area in Sq. Km. in the form of KML or Image.	KML files will be shared with successful bidders. However the area for each of these towns is given in the clarifications at the end of this document.
	<b>24</b>	Other queries		Will there be any office space available for Consultant at Client Office.	Yes. Limited space to accommodate two professionals from the Vendor's side would be made available.
<b>NF Infratech</b>	<b>25</b>	Section 3, Point 2.5, page no 12	Earnest money of the successful bidder(s) shall be refunded with the final payment to	Earnest Money of the successful bidder(s) shall also be refunded after the submission of Performance Guarantee or shall be	The EMD would be adjusted towards the Performance Bank Guarantee

			the consultants.	adjusted towards the performance guarantee.	
	<b>26</b>	Section 3, Point 4 in the table, page no 15	Experience of the Bidder should not be less than 10 years	Request the company to change the criteria to, "Total Experience and experience in the relevant projects should not be less than 5 years".	RFP clause shall prevail
	<b>27</b>		Relevant Project experience of the Bidder should not be less than 5 years		
	<b>28</b>	Section 3, Point 5 in the table, page no 16	Five major projects executed 1. At least one assignment on GIS platform should be for a city having population of not less than 5 lakh	Looking at the size of most of the cities in question, we request the company to change it to, "At least one assignment on GIS platform should be for a city having population of not less than 1 lakh" at least for group no 3 – 6 as restricting the size to 5lacs would hamper the mid-level firms from participating in the tender, thereby decreasing the competition for the bid.	RFP clause shall prevail
	<b>29</b>	Section 3, Point 9.3, page no 16	b. Experience and capabilities of the bidding firm: 1.Total experience in consultancy >= 10 (More than 15 years – 4 marks 10 year- 2 marks Below 10- 0) 2.Experience in plan formulation using GIS database -- 6 marks (More than 10	Kindly consider the following marking scheme: 1.Total experience in consultancy >= 5 (More than 10 years – 4 marks 5-10 year- 2 marks Below 5- 0) 2.Experience in plan formulation using GIS database -- 6 marks (More than 10 years -6 marks 5-10 years-4marks Less than 5- 0 marks)	RFP clause shall prevail

			years -6 marks 5-10 years-4marks Less than 5- 0 marks)		
<b>30</b>	Illustrative list of “Similar Assignments”:	<ul style="list-style-type: none"> <li>· Generation of geospatial database for a city/ town</li> <li>· Formulation of Master/ Development Plan using GIS database</li> <li>· Zonal plans using GIS database</li> <li>· Spatial Planning for New Town/ Industrial Township</li> <li>· Planning and implementation using GIS of urban sector projects like water supply, sewerage, etc., national highway/ metro/ similar large infrastructure projects</li> <li>· Formulation of Regional Plan for a region/ sub-region</li> <li>· City Development Plan under JNNURM</li> </ul>	<p>Kindly include the following project categories in the list as they are also based on extensive city surveys and on a GIS Platform:</p> <ul style="list-style-type: none"> <li>· GIS based Slum Free City Plan of Action (SFCPOA)</li> <li>· GIS based Housing for All Plan of Action (HFAPOA)</li> <li>· GIS based Street Vending Plan</li> <li>· GIS based Village Development Plan</li> </ul>	Refer clause 2.5 (page 8) of RFP	

<b>Feedback Infra</b>	<b>31</b>	Section 2, Sub-Clause 2.2, Page No. 7	<b>Scope of Work</b> 2.2 Update and prepare the already published Master Plans and report with the support of GIS data base for the Web Portal. The master plan report will include, but not be limited to, the following aspects: xxiv) Superimposition and digitization of cadastral map to the extent of individual khasras.	- Does the Consultant have to collect the Cadastral Maps by themselves or will the maps be provided by the client? - Cadastral data will be available in which format, Hard Copy or Soft Copy(ArcGIS Shape files or AutoCad files) and of which year.		Pl. refer to the reply at sr. no 1 above.	
	<b>32</b>	Section 3, Sub-Clause 2.5 Page No. 12	EMD	We suggest to reduce EMD amount to Rs.1,00,000/-.		RFP clause shall prevail	
	<b>33</b>	Section 3, Sub-Clause 9.5 Page No. 17	The minimum required experience of Key professional staff	<b>Position</b> Team Leader	<b>As per RFP</b> Post Graduate in Urban and Regional Planning with 15 years' experience and should have prepared at least 2 master plans out of which minimum	<b>Suggestion</b> Post Graduate in Urban and Regional Planning/ Urban Design with 15 years' experience and should have prepared at least 2 master plans out of which minimum one should	RFP clause shall prevail

				one should be of a city having 10 lakh population. The experience of the last 10 years shall only be counted	be of a city having 10 lakh population. The experience of the last 10 years shall only be counted	
<b>PLAN Foundation</b>	<b>34</b>	Clause 2.3 Bidders must submit one original and two additional copies of Pre-Qualification, Technical Proposal and Financial Proposal along with soft copies.(Page 12)		It is Requested for the sake of environmental friendliness the no. of copies be reduced to one original and one copy along with a soft copy.	RFP clause shall prevail	
	<b>35</b>	Clause 2.5 The Technical Proposal should be accompanied with an Earnest Money Deposit(refundable for all non-successful bidders) of Rs. 5,00,000/- (Page 12)		Kindly clarify whether the EMD of RS 5,00,000/- is the combined EMD to be submitted for all the Groups(I-VI) Or whether separate EMDs of Rs 5 lakhs per group needs to be submitted ?	EMD amount (Rs. 5,00,000) has to be paid per bidder and not per group that the bidder applies for.	
	<b>36</b>	Clause 9.2 (2) Bidder should have an average annual turnover of Rs. 1 crore in each of the last three (3) financial years i.e. FY 2015-16, FY 2014-15, and FY 2013-14. (Page 15)		Keeping in mind the sensitive nature and exhaustive work involved in carrying out GIS Based Master Planning Exercises and ensuring that competent and strong consultants are hired so that the quality of work does not suffer, it is encouraged that 1) The minimum average annual turnover be increased from 1 Crore to 12 crores. 2) There should be a	RFP clause shall prevail	

				Minimum average annual turnover criteria of Atleast 6 crores for NGOs to be eligible.	
<b>37</b>	Clause 9.2 (5) Five major projects executed 1.At least one assignment on GIS platform should be for a city having population of not less than 5 lakh (Page 16)			It is requested to kindly reduce the minimum population to 2 lakh. Consequently you may increase the no. of projects to 2 with a minimum population of 2 lakh.	RFP clause shall prevail
<b>38</b>	Clause 9.5 The minimum required experience of proposed key professional staff is:(Page 17)			Keeping in mind the sensitive nature and expertise required for GIS Master plans The following criteria for key experts is suggested: 1) Team Leader/ Urban Planner: 15 yr exp with atleast 10 Master plans. 2) GIS Expert: Atleast. 10 yr experience 3) Transport Planner: Atleast 15 year experience 4) Urban Infra Expert: 5 year experience with min 5 projects of relevant nature	RFP clause shall prevail
<b>39</b>	Clause 9.4 The percent distribution of points for qualifications and competence of the key professional staff for the assignment are: (Page 17)			Kindly Mention what will be detailed scoring pattern/breakup for key professionals who qualify the minimum Criteria?	Clarification not required

	#	Clause 9.10 The Bidder who has bid the lowest amount (L1), (Page 18)		Kindly Clarify whether The Financial quote for L1 Bidder will be taken as the figure mentioned under Form 6B Total Amount of Financial Proposal or 6B (a) Master plan formulation ?	The figure entered in 6B (a) would be considered as the Financial quote for L1 Bidder.
	41	Clause 9.10 and 9.10.1 (Page 18)		There seem to be ambiguity among clauses 9.10 & 9.10.1 as clause 9.10 mentions "Cost per Group" while clause 9.10.1 mentions "Cost Per City". In addition to this Form 6B. "Summary of Costs" also is not clear whether the Financial cost has to mentioned as a sum-total for the entire group of separately for each city.	The computation would happen as "Cost per group". However bidders are required to provide the cost of individual cities within the Group also.
	42	Form 5A. Technical Proposal Submission Form (Page 25)		<p>Since the documents have been requested in "Editable Word Format" on a PENDRIVE, It easily makes the submitted proposals prone to risk of unauthorized alterations.</p> <p>It is therefore requested that the soft copy to proposals be submitted in CD/DVD instead of a PEN DRIVE in order to avoid any unauthorized misuse. In-order to negate any scope of data corruption 2 DVDs may b asked to be submitted.</p> <p>Also , the soft copy of submission should be in .Pdf Instead of "EDITABLE</p>	<p>Bidders are required to submit the technical and financial proposal in PDF format only.</p> <p>However, the deliverables (master plans/reports) shall be submitted in editable format (AutoCAD or shapefiles)</p>

				WORD FILE" in order to avoid any unauthorized changes in the documents once they have been submitted.	
	<b>43</b>	No Minimum criteria for Consortium/ JV		There has been no mention of a minimum criteria required to be fulfilled by multiple parties in case of a Consortium/Joint-Venture	Clarification not required
<b>Caritas Ecosystems Pvt Ltd</b>	<b>44</b>	RFP_GIS_AMRUT.pdf, Page 3	The State Mission Directorate will make available the draft base map of the city obtained from NRSC to the Bidder for value addition by collecting spatial attributes as per Design & Standards.	Some of the design requirements are not relevant to be shown either on a master plan or on a scale of 1:4000 (e.g. Electric pole and street light, Gas regulator, all features > 2.5m dimension). Therefore these may be excluded from the scope.	The Vendor has to carry out the work in adherence to the design and standards of formation of GIS based master plan as per RFP document.
	<b>45</b>	RFP_GIS_AMRUT.pdf, Page 6	The deliverables in the form of, Base maps, shape files, collected data from different sources, thematic maps specified, data analysis reports, draft plan	Please suggest the themes. The RFP document doesn't specify any.	The Vendor has to carry out the work in adherence to the design and standards of formation of GIS based master plan as per RFP document. The thematic maps shall be as already provided in the notified Master Plan updated after studies and surveys. The themes for thematic maps will be based on URDPFI guidelines, 2014 as



			document, etc. wherever required URDPFI Guidelines, 2014 may also be referred.		mentioned in the RFP, else will be decided by the ULB.
<b>46</b>	RFP_GIS_AMRUT.pdf, Page 6	An indicative format is provided in the Design& Standards (copy annexed herewith).	We expect that utility related features' map and data (e.g. Electric pole and street light, Gas regulator, water, sewer etc.) will be provided by the respective utility agency / company or data owners. Please confirm Collecting and digitizing this data through primary survey would entail huge effort and cost which will be way off the specified budgets under AMRUT guidelines.	Yes, all the data and maps available with the respective Departments will be shared with the Vendor.  Details attached in Annexure - III The list is indicative and the vendors would have to depend on GIS data already created by the line deptts./secondary data for populating these layers.	
<b>47</b>	RFP_GIS_AMRUT.pdf, Page 7	Superimposition and digitization of cadastral map to the extent of individual khasras.	Under NLRMP project most of the Khasra maps have already been digitized. We believe that these vector datasets will be provided free of cost during implementation stage. Also please let us know the % completion of Khasra Map Digitization in 16 cities.	List of layers available with PMIDC is already annexed.	
<b>48</b>	RFP_GIS_AMRUT.pdf, Page 8	Deliverables, Timeline and Payment Schedule	We understand that the number of hardcopies mentioned are either of A4 or A3 size. Please confirm the size of hard copy outputs.	The successful bidder will be required to submit the updated existing Land Use Plans for the concerned cities in soft and hard copies. The format of the files should be such that they can be viewed edited with any open source software (e.g. Quantum GIS)  Hard /soft copies of the shape files	

					of the cities will be provided in 1:4000Scale to the successful bidder. These maps would have a preliminary tagging of certain features on the raster maps. All the reports shall be in A4 size.  A single coloured hard copies of all the thematic maps for Master Plan purpose shall be provided in AO size.
	<b>49</b>	RFP_GIS_AMRUT.pdf, Page 8	The Bidder who has bid the lowest amount (L1) will be invited for discussions/ clarifications for the purpose of signing a Contract Agreement.	Since the planning area varies, we assume that the L1's rate will be considered as per square KM rate for considering total price for other planning areas. Please confirm our assumption.	RFP clause shall prevail
<b>Resulting Changes in the RFP as per the above clarifications</b>					
	<b>50</b>	In addition to the secondary data, following data will be shared with the successful bidders <ul style="list-style-type: none"> <li>• City mobility Plans (for 6 major towns namely Amritsar, Jalandhar, Ludhiana, Patiala, Bathinda and Pathankot)</li> <li>• Information from local utility agencies (giving water and electricity supply etc.)</li> </ul>			
	<b>60</b>	No web GIS is to be created under the scope of work of this tender			
	<b>61</b>	No primary survey is to be done to collect socio-economic data, SECC data will be used.			
	<b>62</b>	The vendor is not responsible for performing any ground-truthing activity. However, the successful bidder has to accompany the department representative in field verification of 5 percent of the area of final master plan.			
	<b>63.</b>	The bidder has to perform the activity of Geo-database creation for : <ol style="list-style-type: none"> <li>1. All the layers till municipal boundaries. (Utility services, building footprints)</li> </ol>			

		<p>2. Rest of the layers till LPA (Proposals, Contours, Rail/road Network Geographical Features, trunk services etc.) except for cadastral layer which has to be digitized till Area of Interest.</p> <p>The MC area and the area within Urbanisable limits for the sixteen cities is given in Annexure IV.</p>
	<b>64</b>	For those cities where master plan has been notified after 2015, the vendor has to primarily have to convert the notified master plan to GIS platform as per the requirements of this RFP and further identify the changes that have occurred since then.

**Annexure I: Villages for which *shajra* maps are available**

S.No.	City	Villages Digitized	Total villages in LPA
1.	Amritsar	NIL	
2.	Abohar	28	51
3.	Barnala	NIL	
4.	Batala	42	78
5.	Bathinda	45	
6.	Ferozepur	NIL	
7.	Hoshiarpur	Out of the PLRS list, 8 are not digitized rest all falling in LPA are digitized.	
8.	Jalandhar	214	274
9.	Khanna	59	73
10.	Ludhiana	293	301
11.	Malerkotla	NIL	52
12.	Moga	57	68
13.	Sri Muktsar Sahib	19	42
14.	Pathankot	49	
15.	Patiala	NIL	
16.	S.A.S. Nagar	18	70

**Annexure II: Revised grouping of cities**

Group-I	Municipal Corporation Ludhiana
	Municipal Council Khanna
Group-II	Municipal Council Batala
	Municipal Corporation Amritsar
Group-III	Municipal Corporation Pathankot
	Municipal Corporation Jalandhar
	Municipal Corporation Hoshiarpur
Group-IV	Municipal Corporation Patiala
	Municipal Corporation SAS Nagar
	Municipal Council Malerkotla

Group-V	Municipal Corporation Moga
	Municipal Council Barnala
Group-VI	Municipal Corporation Bathinda
	Municipal Council Ferozpur
	Municipal Council Sri Mukatsar Sahib
	Municipal Council Abohar

### Annexure III: Sources of data to be used for making the master plans

S.No.	Layer Name & Description	Department	Format	Area of Coverage
1.	Road Network	To be sourced from PR&BDB. Available in form of shapefiles. Data is maintained and updated by the department.	GIS Database	Data available till LPA boundaries
2.	Water & Sewerage network	AutoCAD files with the complete pipeline network is available for all the cities with the department.	AutoCAD	Data available till MC boundaries
3.	Electricity Network	All assets of PSPCL & PSPTCL are available in GIS enabled format.	GIS Database (ArcGIS)	Data available till LPA boundaries
4.	Building Footprints	Available for 9 cities. For other 7 cities namely, Abohar, Hoshiarpur, Barnala, Khanna, Sri Muktsar Sahib, Malerkotla, and Ferozpur being procured on GIS platform.	GIS Database	Data available till MC boundaries
5.	Cadastral Layer	Has been collected for all the cities and is at different stage of progress. Is available as georeferenced shape files. Details given in Annexure I	Hardcopy Sheets & GIS Database	Data available till LPA boundaries
6.	Railway Network	To be shared by PR&BD in shapefile format.	GIS Database	Data available till LPA boundaries

7.	Elevation Model/ Contours	Publicly available as 30 meter resolution SRTM data.	DEM (Digital Elevation Model)	Data available till LPA boundaries
----	------------------------------	---	-------------------------------	---------------------------------------

**Annexure IV: Areas under three boundaries**

Sn.O	City	Municipal Area (Sq. Kms)	Area of Interest (Sq. Kms)
1.	Amritsar	142	490
2.	Bathinda	67	200
3.	Hoshiarpur	35	197
4.	Jalandhar	110.4	198
5.	Ludhiana	159.3	500
6.	Moga	121.8	200
7.	Pathankot	54.5	208
8.	Patiala	64	198
9.	SAS Nagar	32	200
10.	Abohar	23	199
11.	Barnala	32.38	332.78
12.	Batala	32.7	195
13.	Ferozepur	15	200
14.	Khanna	26.7	192
15.	Malerkotla	33.5	198
16.	Sri Muktsar Sahib	31.2	199