

2: Eligibility and Evaluation Criteria (Revised)

0.1. Pre-Qualification (PQ) Eligibility Criteria

Pre-Qualification Bid – Compliance Sheet

Sr. No	Qualification Criteria	Documents/Information to be provided in the submitted proposal	Compliance	Reference & Page Number
1	Covering Letter for Technical Proposal and undertaking on total responsibility	As per Annexure-12 and Annexure- 13	Yes/No	
2	The responding firm / agency (a) should have made a payment of Tender Annual Charge, (b) should have submitted a EMD of amount., and (c) should have signed an MOU/Agreement in case of Consortium. (A Consortium of maximum 3 members is allowed).	(a) DD/Online payment for Tender Annual Charge (b) The original Bank Guarantee for EMD must be furnished in the format prescribed in Annexure-14 (c) In case of Consortium of Members, the MoU/Agreement, on an appropriate Non-Judicial Stamp Paper, purchased by the Lead Partner/Member, between the Lead Partner/Member and his Consortium Member/Partner(s), as per the Table given clearly depicting the roles and Responsibilities of each member (to be attached as Annexure – 15) .	Yes/No	
3	Legal Entity: The Tenderer (sole bidder/lead Member of the Consortium) (a) should be registered legal entity in India, under the Indian Companies Act, 1956 / The Partnership Act 1932 / Limited Liability Partnership Act, 2008. (b) should have been in existence for at least five years as on 31 March 2018. (c) should be registered with the relevant Service Tax Authorities. Each Member of the Consortium shall be a legal entity w.r.t (a) above.	a) Certificate of Incorporation b) Registration Certificate c) Goods and Service Tax (GST) and other Taxes, if any, Registration d) Valid PAN, EPF and ESI Registration	Yes/No	

4	The Tenderer (Sole Bidder / Lead Member) should be in the business of Design, Development and implementation of GIS based Applications , Maps digitisation and Survey and should have executed / operationalised relevant projects in last 5 Years, as on Bid Submission Date."	Annexure-16 - Details of Responding Firm & Memorandum & Articles of Association should be attached, and Work orders confirming year and Area of activity	Yes/No	
5	The Tenderer (Sole Bidder/ All Members of the Consortium) shall not be banned/ debarred/blacklisted by any State or Central Government/any other Government institution/Local Bodies in India, as on the last date of submission of the Bid.	Individual self-certified letter by the designated official of the bidder per Annexure-17	Yes/No	
6	Net worth of the Bidder (Sole Bidder / Lead Member of the Consortium) Company must be Positive in last three years (Fy. 2017-18, 2016-17 and Fy. 2015-16) as per the audited Balance Sheet. For the purposes of this RFP, "Net Worth" mean the aggregate value of the paid-up share capital and all reserves created out of the profits and securities premium account, after deducting the aggregate value of the accumulated losses, deferred expenditure and miscellaneous expenditure not written off, as per the audited standalone balance sheet, but does not include reserves created out of revaluation of assets, write-back of depreciation and amalgamation.	Audited Balance Sheet of the Bidder as (Annexure-17 A)	Yes/No	
7	The Tenderer/All Members of the Consortium must possess valid ISO 9001:2015 or latest as on last date of bid submission.	Copy of Certification to be attached	Yes/No	
8.	The Tenderer / Lead Member pf the Consortium shall furnish documentary proof of their technical capability to undertake job of application software development and digitization etc., in Client-Server as well as Web based	Copy of Certification to be attached.	Yes/No	

	environment.			
9	Average Annual Turnover of the Tenderer / All the Consortium Members (Combined) taken together - from ICT Services (ICT/GIS System Integration projects, Total Solution Provider, ICT Systems Development projects, GIS Systems Development Projects, Map Digitization, and their Implementation Work), during the last three (3) financial years (FY 17-18, FY 16-17 and FY 15-16) as per the last published balance sheets - shall be greater than or equal to INR 2 Crore (Rupees Two Crore only).	Extracts from the audited Balance sheet and Profit & Loss; OR Certificate from Statutory Auditor or Chartered Accountant; OR Copies of Work Orders with Annexure-16 OR In case the bidder submits an audited financial result, a copy of the "Limited Review report" of financial results, prepared by the statutory auditor of the firm shall also be submitted.	Yes/No	
10	The Tenderer (Sole Bidder/Lead Member of the Consortium) shall have experience of executing Turnkey GIS based IT Project in India for Government (or its Autonomous / PSU/Subordinate organisation/ Local Bodies etc.) or for Large Corporations (having INR 100 Crore Annual Turnover or more) as System Integrator – Total Solution provider - for Design, Development and implementation of GIS System : GIS based application development, Map digitisation and Survey, and should have executed / operationalised relevant projects in last 5 Years as of Bid submission date:- (a) One Project of Value >= INR 3.5 Crore Or (b) Two Projects of Value each >= INR 2 Crore Or (c) Three Projects of value each >= INR 1.5 Crore.	Completed Annexure 16 supported with Work Order and Proof of Go-live/ Successful Implementation	Yes/No	
11	Power of Attorney/ Letter of Authority executed by the Bidder in favour of the Principal Officer or the duly Authorized Representative, certifying him as an authorized signatory for the purpose of	Power of Attorney (Annexure-20)	Yes/No	

	this RFP.			
12	Local Presence – The Tenderer / Lead Member of the Consortium should have its own Service Support Centres in Delhi / NCR <u>or</u> to give an undertaking of opening a local service support Centre after Award of the Work/Contract.	Relevant Documents or Undertaking signed by the Authorized Signatory with List of office (s) and support Centres in Delhi /NCR (as Annexure-20A)	Yes/No	
13	"The Tenderer (Sole Bidder / Lead Member (in case of Consortium) must have minimum 50 Technically Qualified Human Resources) and the Tenderer (Sole Bidder/Consortium) must have at least 25 Technically qualified Human Resources in GIS Technology, as on Bid Submission Date, available with the firm. " Appropriate Certifications are necessary for the top Ten Resources handling different Areas of Projects. Apart from Educational & Experience Certification, Professional Industry Certifications such as DBA Certification, Network Certification, etc. relevant to project works to be undertaken under this tender.	Relevant Documents or Undertaking signed by the Authorized Signatory (as Annexure-20B)	Yes/No	

0.2. Technical Qualification and Evaluation Criteria

- i. Only those Tenderers who qualify Pre-Qualification Stage (Clause 3.1) will be considered for opening of their Technical Bids. Any bid not meeting the above criteria (Clause 3.1) will be summarily rejected.
- ii. **Method of selection of Preferred Bidder:** Technical Qualification and Shortlisting of applicants followed by selection on the basis of Least Cost (L1 Method).
- iii. Technical evaluation of bids will be based on the criteria given in Clause 3.2.iv below. The bid proposal should strictly be in line with the formats provided in (Annexure-5) **The applicant must respond to all the technical evaluation criteria, and obtain a minimum of 70 marks (or above) to qualify for financial bid opening.**
- iv. **Criteria for Technical Evaluation**

Technical Evaluation Marking

(Bidder has to score 60% or above in each Categories A., B., and C., and final score (Categories A., B., C., and D.) shall be ≥ 70 Marks out of 100 to qualify for Financial bid opening. Even if one Resource Person's Profile (provided) does not meet the specified Profile Requirements, the Bidder will not be considered for Financial Bid Opening.)

Sl.No	Criteria	Basis for Valuation	Max Marks	Supporting Documents (Forms to be used)	Ref.No.
A. Bidder's Profile (20)					
1.	Average Annual turnover of Tenderer (Sole Bidder/Consortium) from IT/ITES Business [ICT/GIS System Integration projects, ICT Systems Development projects, GIS Systems Development Projects, Digitisation and their Implementation Work] in last 3 Financial Years (Turnover in Rs. Crores). (Rs. 2 Crore – Eligibility Criteria)	<ol style="list-style-type: none"> 1. Greater than or equal to Rs. 10 Crores: 10 marks 2. Between Rs.10 Crores and greater than or equal to Rs. 8 Crores: 8 marks 3. Between Rs. 8 Crores and greater than or equal to Rs. 5 Crores: 5 marks 4. Between Rs. 5 Crores and Rs. 2 Crores: 3 marks 5. Equal to Rs. 2 Crores: 1 marks 	10	Annexure - 5 : Form 5 B (Extracts from the audited Balance sheet and Profit & Loss; OR Certificate from the statutory auditor)	
2.	Certification and Credentials of Sole bidder / Lead member of Consortium (valid on the date of submission of bid) ISO 9001: 2015 or latest; and SEI-CMMiL3 Certification or above	<p>ISO9001:2015& SEI-CMMiL5: 5 Marks</p> <p>ISO9001:2015&SEI-CMMiL 3: 3 Marks.</p> <p>If the bidder does not possess CMMi 3 or above certification, he shall be awarded zero marks under this parameter.</p>	5	Annexure -23 (Supported by documentary evidence.)	
3.	Government Experience Tenderer (Sole bidder / Lead member of the Consortium)having undertaken / executing project in any one state/ central government agencies for GIS/Survey scope of Works (valid as on date of Bid submission.	Meeting the criteria - 5 marks	5	Annexure-24 (Work order to be submitted)	
B. Relevant Strengths (30)					
4.	Prior experience in Development Authority/Housing Board / Urban Local Bodies / Municipalities/Government / Large Corporations, for layout Plan Digitization, , ground truthing and superimposition on Basemap, in India and completed in past 5 years, as of date of Bid submission.	<p>Projects undertaken in India, of each value \geq INR 50 Lakhs.</p> <ol style="list-style-type: none"> 1. For each project value \geq INR 2 Crore (10 Marks per Project) Max 1 project. 2. For each project value \geq INR 1 Crore (5 Marks per Project) Max 2 projects. 3. For each project value \geq INR 0.5 Crore (2.5 Marks per Project) 	10	Annexure 16 & Annexure- 5 : Form 5C (Supported by documentary evidence.)	

		Max 4 projects. Subject to a maximum of 10 marks.			
5.	Prior experience in execution of single project with digitization of more than 200 layout plans or 200 Sq.KM of area in one Indian city completed in past 5 years, as of Date of Bid Submission.	Projects undertaken in India 1. Single project > 500 layout plans or >500 Sq.KM: 10 Marks 2. Single project >300 layout plans or >300 Sq.KM: 8 Marks 3. Single project >200 layout Plans or >200 Sq.KM: 5 Marks 4. No Projects having more than 200 Layout Plans / 200 Sq. KM : 0 Mark. [Note : Only 1 project will be evaluated under this parameter]	10	Annexure 16& Annexure- 5 : Form 5C (Supported by documentary evidence.)	
6.	Past Experience in implementation of GIS based & Integrated Property and Land Parcel based Management System, completed and operational during the last 5 years,, as on Date of Bid Submission, for Government or its Autonomous / PSU/Subordinate organisation/ Local Bodies, Large Corporates /Public Limited organisations, etc.	Projects undertaken in India, with project value greater than Rs. 1 Crore: (Maximum 5 Projects – each project will carry 1 Marks)	5	Annexure 16& Annexure- 5 : Form 5C (supported by documentary evidence.)	
7.	DGPS Equipments Owner Certification Tenderer shall have valid DGPS Equipments Owner Certification valid as on date of Bid Submission.	Possession of valid Ownership Certification will carry 5 Marks, if the certificate is submitted; otherwise 0 Mark.	5	A copy of Certification is to be attached.	
C. Solution Proposed, Approach and Methodology (30)					
8.	Solution Proposed : Demonstration of understanding of the Department's requirements	Qualitative assessment based on Demonstration of understanding of the Department's requirements through providing: 1. Solution proposed and its components (4) 2. Technologies used (1) 3. Scale of implementation (1) 4. Learning on Issues (1)	10	A Note to be attached	

		<p>5. Challenges (1) 6. Challenges likely to be encountered (1) 7. Mitigation proposed (1) 8. Client references (1)</p>			
9.	<p>GIS system to be developed under this project (COTS/Bespoke Model - Open Technology /OGC based Solution), should be compatible with features of DDA CMS RFP GIS Interventions in the format given in Annexure-4</p>	<p>If the Bidder gets N responses as (Y) out of M responses, the Bidder will get (N/M) * 10 as its evaluation mark, rounded off to next higher integer.</p>	10	<p>A self-certification by Tenderer (Sole Bidder/Consortium) is required.</p>	
10.	<p>Approach and Methodology to perform the work in this assignment</p>	<p>Qualitative assessment based on</p> <ul style="list-style-type: none"> • Understanding of the objectives of the assignment: The extent to which the Systems Implementer's approach and work plan respond to the objectives indicated in the Statement/Scope of Work (3) • Completeness and responsiveness: The extent to which the proposal responds exhaustively to all the requirements of all the Terms of Reference (2) 	5	<p>A Note to be attached and a Presentation to be made.</p>	
11.	<p>Project work break down structure</p>	<p>Qualitative assessment based on timelines (1), resource assignment (2), dependencies (1), and milestones (1)</p>	5	<p>A Note to be attached and a Presentation to be made.</p>	
D. Resource Profile (20)					
12.	<p>Resume of all key technical resources proposed for the assignment-</p> <p>Project Manager- Min1 Nos</p> <p>Digitization Lead- Min 1 Nos</p> <p>Digitization executives- Min 8 Nos</p> <p>Survey resources- Min 5 Nos</p> <p>Project Manager and Lead Resources - preferably be directly on bidder's payroll;</p> <p>Note: Manpower proposed is</p>	<p>Evaluation Methodology of CV, if meets criteria:</p> <p><u>Project Manager (1) CV: 5 Marks</u></p> <p>a. Qualification: 20% b. Adequacy for Assignment: 50% c. Relevant Experience: 30%</p> <p><u>Digitization Lead (1) CV: 5 Marks</u></p> <p>a. Qualification: 25% b. Adequacy for Assignment: 50%</p>	20	<p>13. Resume of Key Technical Resources proposed for the assignment - CVs (Form-D.1 and Form-D.2 given below).</p>	

	<p>only minimum resources required. Bidder to propose additional manpower as per requirement.</p> <p>Project Manager and Lead Resources cannot be changed without written permission.</p> <p>Expected Educational and Experience Requirements of Resource personnel at Table-D below.</p>	<p>c.Relevant Experience: 25%</p> <p><u>Digitization Executives (8): CV: 5 Marks</u></p> <p>1 mark will be awarded in respect of each executive who is on the payroll of the bidder and meets the required educational & experience criteria specified in Table D below.</p> <p>(Only 5 Executives will be evaluated)</p> <p><u>Survey Resources (5) CV: 5 Marks</u></p> <p>1 mark will be awarded in respect of each resource member who is on the payroll of the bidder and who meets the required educational & experience criteria specified in Table D below.</p>			
Total Marks (A. +B. + C.+ D.)		100			

1. For all the above, the Completion Certificate of the projects **completed** in the last 5 years (as on Bid Submission Date) need to be provided which are issued to the responding firm by the respective customers.
2. The value of the projects considered in the above criterion would be based on the Purchase Order or the LOI issued to the responding firm. In absence of the supporting documents, the projects would not be considered for evaluation.
3. Resource Person – Required Educational and Experience Requirements (Table-D)

S.No.	Role	Education	Experience
1.	Project Manager	B.E/B. Tech. in Computer science / IT / ECE or MCA	Minimum 8 years' Experience in <ul style="list-style-type: none"> • GIS application development • WebGIS development and integration • Open Source application development • CMM Experience
2.	Digitization Lead	M.Sc. / M.Tech. /PG Diploma - in Geomatics/ GIS & Remote Sensing	Minimum 5 years' Experience in <ul style="list-style-type: none"> • GIS database design and development • Image / Map geo-referencing • GIS layerisation • Image/Map digitization • Minimum 2-years as Team-Lead • ISO Experience
3.	Digitization Executive	M.Sc. / M.Tech. /PG Diploma - in Geomatics/ GIS & Remote	Minimum 3 years' Experience in <ul style="list-style-type: none"> • Image / Map geo-referencing • GIS layerisation

		Sensing	<ul style="list-style-type: none"> Image/Map digitization
4.	Survey Manager	B. E. / B. Tech (Civil Engg.) / Diploma (Civil Engg.)	Minimum 3 years' Experience in <ul style="list-style-type: none"> DGPS topographic surveys Ground Control Point (GCPs) network planning and actual survey with Monumentation

4. **Form –D.1: - Curriculum Vitae (CV) of Key Personnel**

1. **Proposed Position** [*only one candidate shall be nominated for each position Expert*]:
2. **Name of Firm** [*Insert name of firm proposing the staff*]:
3. **Name of Resource Person** [*Insert full name*]:
4. **Date of Birth: Nationality:**
5. **Education** [*Indicate college/university and other specialized education of staff member, giving names of institutions, degrees obtained, and dates of obtainment*]:
6. **Total No. of years of experience:**
7. **Total No. of years with the firm:**
8. **Areas of expertise and no. of years of experience in this area (as required for the Profile -mandatory):**
9. **Certifications and Trainings attended:**
10. **Details of Involvement in Projects** (*only if involved in the same*):
11. **Languages** [*For each language indicate proficiency: good, fair, or poor in speaking, reading, and writing*]:
12. **Membership of Professional Associations:**
13. **Employment Record** [*Starting with present position and last 2 firms, list in reverse order, giving for each employment (see format here below): dates of employment, name of employing organization, positions held.*]:

From (Year)	To (Year)	Date of Employment	Purchaser	Position held
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14. **Detailed Tasks Assigned** [*List all tasks to be performed under this assignment*]
15. **Relevant Work Undertaken that Best Illustrates the experience as required for the Role (provide maximum of 6 citations of 10 lines each)**

(Among the assignments in which the staff has been involved, indicate the following information for those assignments that best illustrate staff capability to handle the tasks listed under point 14 and as required for the role as listed in 'List of the key professional positions whose CV and experience would be evaluated')

Name of assignment or project:

Year:

Location:

Purchaser:

Main project features:

Positions held:

Value of Project (approximate value or range value):

Activities performed:

16. Certification:

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience. I understand that any wilful misstatement described herein may lead to my disqualification or dismissal, from the assignment if engaged.

Date:

(Signature of staff member or authorized representative of the staff) Day/Month/Year
 Full name of Authorized Representative:

5. Form-D.2: Team Composition and their Availability

(Any information withheld/ misrepresented, the <Nodal Agency> would establish the veracity and if found true, may lead to rejection of the bid OR cancellation of the contract.)

Form-D.2.1: Team Composition and Key Tasks

Name of Resource Person with Qualification and Experience	Area of Expertise	Position assigned	Task assigned	Time committed to the other Assignment

Form-D.2.2: Information on Team involved in other engagements

Name of Resource Person with Qualification and Experience	Current Assignment where the Resource CV had been presented in the proposal	End Date of the Assignment (as estimated on the date of submission of this bid)	% Time Commitment
Name of the Resource			

0.3. Financial Bid Evaluation (modified) (Page No. 40 of the RFP)

- i. The financial proposals of the firms which are not pre-qualified and shortlisted shall not be opened.
- ii. Applicants shall submit their financial quotes for the project as per the provisions of Clause 2.7 and in the format provided in Chapter 5 – Form 5F (modified and given below). Applicants shall submit their quotes on 4 financial bid parameters:

Component	Head	Financial bid (INR)
A	Development Fee* (Design, Development and implementation of GIS System: Web Portal, Mobile Application, Software, Superimposition of digitised Layout Plans, Zonal Plans, System Integration etc. – Programme Components Deliverables completed and operational) as per relevant components in Table -1 below)	(Lumpsum)
B	Digitization Fee per Sq.KM of Layout Plan (LOP) for Database Creation through Digitization, Ground Truthing and Geo-Referencing etc.	(per Sq.Km. of LOP/Area Digitized)
C	Monumentation of Ground Control Point (GCP)	(cost for Monumentation of One GCP)
D	Annual O&M Fee* (yearly from the date of Development Phase Exit : ED + 12 months)	(Lumpsum)

* All quotes shall be inclusive of all taxes

- iii. **The combined value of these bid parameters will be considered for financial bid evaluation. Thus, financial bid (F) of an applicant will be given as:**

(F= A+ 400*B + 400*C+ 3*D) Where 400 is 400 Sq.Kms, 400 GCPs and 3 is 3 Years.

Form 5F (Revised)
Financial Proposal Format
(Bidders' Official letterhead)

1. Professional fee for providing procurement services to DDA under this assignment shall be as follows:

Component	Head	Financial bid (INR)
A	Development Fee* (Design, Development and implementation of GIS System: Web Portal, Mobile Application, Software, Superimposition of digitised Layout Plans, Zonal Plans, System Integration etc. – Programme Components Deliverables completed and operational) as per relevant components in Table -1 below)	(Lumpsum)
B	Digitization Fee per Sq.KM of Layout Plan (LOP) for Database Creation through Digitization, Ground Truthing and Geo-Referencing etc.	(per Sq.Km. of LOP/Area Digitized)
C	Monumentation of Ground Control Point (GCP)	(cost for Monumentation of One GCP)
D	Annual O&M Fee* (yearly from the date of Development Phase Exit : ED + 12 months)	(Lumpsum)

The detailed break up of costs of **Development Works Components (Table-1)**

Table-1 (A) : Financial Component of Development Fee (A)

Sr. No.	Work Description	Man Months	Manpower Rate (Rs.) per Month	Manpower Cost (Rs.)
1	GIS System Implementation			
1.1	Verification of GIS Layers			
1.2	Implementation of GIS Layers			
1.3	Other Features like Query Builder, Base Maps, Distance Measurement Tool, Buffer Analysis, Export to Excel			
1.4	Quality Analysis (QA)/Quality Check (QC) of GIS Layers			
	Sub Total (1)			
2	Data Integration			
2.1	Verification of Data provided by DDA			
2.2	Integration with Land and Property Information			
2.3	Data integration with GIS			
	Sub Total(2)			
3	Infrastructure Layer Mapping & Ground Truthing			

3.1	Infrastructure Layer Mapping			
3.2	Verification of Zone wise Infrastructure Layer			
3.3	Ground Truthing			
	Sub Total(3)			
4	Web Portal and Software Development Resources			
4.1	Project Manager			
4.2	Project Coordinator			
4.3	Team Lead			
4.4	System Admin			
4.5	Business Analyst			
4.6	Domain Expert			
4.7	Application Testers			
4.8	Integration Expert			
4.9	Configuration Manager			
4.10	Document Expert			
4.11	ISO Expert			
4.12	Security Expert			
4.13	Data Analysts			
4.14	Database Experts			
4.15	DBA			
4.16	Data Migration Expert			
4.17	Hardware Expert			
4.18	Network Expert			
	Sub Total(4)			
5	UAT, Training & Go Live			
5.1	UAT			
5.2	UAT Bug Fixing			
5.3	Training (1week Training at each Zone)			
5.4	Go Live			
	Sub Total(5)			
6	License Fee for the Open Technology, Open Geospatial Consortium Standards based GIS software	Perpetual License		

Table-1 (B) : Financial Component of Digitization (B)

Sr. No.	Work Description	Man Months	Manpower Rate (Rs.) per Month	Manpower Cost (Rs.)
1	Collection & Verification of Maps, Collection of Ground Control Points (GCP)			
1.1	Collection & Verification of Maps Provided by DDA			
1.2	DGPS Coordinate collection from ground control point (GCP) for Image Geo-referencing			
1.3	Verification of Ground Control Point (GCP)			
	Sub Total(1)			

2	Digitization, Cleaning, Geo-referencing and Generation of Shape Files		
2.1	Digitization of Layout Plan		
2.2	Data Cleaning of Layout Plan		
2.3	Geo-referencing of Layout Plans		
2.4	Generation of shape files		
2.5	Data Quality Analysis (QA)/Quality Check (QC)		
2.6	Generation of CAD Drawing		
	Sub Total(2)		

Note:

- a. ** All quotes shall be inclusive of all statutory taxes viz., GST and all taxes and duties applicable. In case of any statutory taxes/duties are levied after the award of work and during the period of contract, **then it shall be payable** by DDA. However all applicable deductions on account of taxes and duties etc shall be made by DDA.*
 - b. Bidders are requested to quote in BoQ1. Also man-months rates for technical persons are to be given in BoQ2.
 - c. *Any additional personnel required for managing the operations (as directed by DDA with due notice of 2 months) shall be provided at the same cost as indicated in this financial quote.*
2. Our offer shall be valid up to 180 days from Date of Opening of Tender (Pre-Bid Opening).
 3. We understand that our fee will be paid in accordance the following milestones:

Payment Milestone	Percentage of total professional fee	Tentative timelines
DEVELOPMENT FEES		
1. Signing of Consultancy agreement between DDA and Bidder	10 % of Development Fees (Mobilisation Advance – Refer to Clause 45 (iv)) - Optional	ED
2. SRS, SDD and FRS Sign off and Plan Review Sign off	10% of Development Fees	ED + 5 weeks
3. GIS Portal Development, Application Design and Development, and UAT Approval by DDA	45% of Development Fees	ED + 26 Weeks
4. Go-Live Acceptance: Launch of GIS Portal after Technical and User testing	40% of Development Fees	ED + 51 Weeks
5. Development Phase Exit	5% of Development Fees	ED + 53 Weeks
O&M FEES		
6. Payment of O&M fees	25% of Annual O&M fees (after review of Monthly MIS Reports and QPR)	Every 3-month period after Development Phase Exit (i.e. ED+ 52Weeks).

(Name and Designation of the Person signing)

(Signature with Seal)

Date.

Pre-Bid Query No.			Queries		DDA's Remarks
		Agency# 1			
1.	1		Do we have EMD exemption for startups?		Vide Clause 58., Following facilities have been extended to the SSI units registered with NSIC: a. Issue of tender sets free of cost. b. Exemption from payment of Earnest Money to the extent of 50 per Cent (50%) of the EMD asked for. These Facilities are also extended to StartUps in IT/e-Governances Sector registered with DIPP/Meity of GOI.
2.	2		Can firms have <= 1 Crore average annual turnover for the last 3 years submit the bid, is there a possibility for it?		As per RFP.
3.	3		We could not find the RFP document from the official website, so could you provide us with the links or a download option if possible?		Please visit http://www.dda.org.in or http://cpp.gov.in .
		Agency#2			
4.	1	Any Satellite image will be procured for Digitization and geo-referencing of DDA's property/land spread of 400 SQKM Or only cadastral maps, Layout Plan and Zonal plans will be used for the same Please confirm? If yes then who will procure the imagery also please provide following details about satellite imagery:	Annexure –1, Para-3 -DDA intends, through this Tender,		DDA will procure and provide required Satellite imagery for the Project. Details will be worked out during the SRS Stage. Layout Plans are required to be digitized and georeferenced recent satellite imagery
		<ul style="list-style-type: none"> · It is Satellite imagery or WMS service (Google) –It is a Paid service · What is the spatial resolution of imagery · Vintage of satellite imagery · Metadata information of Satellite image (Sun & satellite elevation angle) as high angle projected image create difficulties in created GIS database 	(a) Digitization & Geo-referencing of DDA's Property, Page 19		Required Spatial Resolution of imagery or Google WMS Service (as per the policy of GOI), as per SRS prepared by the selected Bidder, in consultation with the Stakeholders in DDA, will be procured and made available to the Bidder.
5.	2	As per our understanding DGPS points will be taken to geo-reference satellite imagery, Layout plan and zonal plan will be geo-referenced with recent satellite imagery. As we may have problems in identifying features in LOP maps. Please confirm	Annexure –1, Approach, Methodology and Deliverables, Para-9 -DGPS Coordinate Collections,Page 22		Layout Plans are required to be digitized and georeferenced with recent satellite imagery. DDA will provide necessary support and assistance for resolving problem in identifying features in LOP.
6.	3	What is the tentative count of DGPS points or do we need to plan according to area control after received AOI. Please confirm? DGPS survey require for administrative boundary creation. Please confirm?	Annexure –1, Approach, Methodology and Deliverables, Para-9 -DGPS Coordinate Collections, Page 22		DGPS points for digitising / georeferencing of LOPs - at this stage no count can be assessed as it will depend upon the shape and size of the LOP. Scanned LOPs are available on the DDA website. Therefore, the bidder may make appropriate assessments at their level.
7.	4	Who will provide Toposheet to extract known control points for DGPS Survey? Do we need to procure the same? Also regarding time of DGPS observation, can it	Annexure –1, Approach, Methodology and Deliverables, Para-9 -DGPS Coordinate Collections, Page 22		Toposheets are not required to be used in this project. To clarify, only the LOPs are to be digitised, georeferenced and mapped. Satellite data that will be procured will already be georeferenced. Further, GIS

		be fixed as changing of base location is time taking process. Normally 1 base is used for 30km distance. Please confirm?			data otherwise procured by DDA is required to be overlaid in the application developed by the vendor.
8.	5	What is separate count of Cadastral/parcel map, Layout plan and zonal plan as GIS data creation time is different for all three?	Annexure –1, Para-3 - DDA intends, through this Tender, (a) Digitization & Geo-referencing of DDA's Property, Page 19		Under this project, Lay-out plans are to be digitised, geo-referenced etc. As stated in the tenders, there would be approx 900 LOPs covering an area of 400-500 sqkms. As regards Zonal Plans the successful bidder is not required to digitise as such. These are available in AUTO CAD format with DDA and the bidder will need to import a layer of zonal plan and include in the GIS application. No cadastral maps are required to be digitised as a part of this project.
9.	6	What asset involves for Ground truthing activity. Please confirm? Is it for existing property data input which DDA possess or it is related to administrative boundaries mapping	Annexure –1, Para-12 -GIS Mapping, Page 23		Only land assets in the 900 layoutplans/zonal plans, and also "other Plots" (means that are in the ownership/possession/custody of DDA), are involved in ground truthing. No data relating to individual flats in a plot is required to be captured. Digitised maps of Zone / ward boundaries, Infrastructure layer etc. will be procured by DDA from GSDL which will be required to be integrated by the vendor.
10.	7	What is the basis of approval of GIS data? We assume client will depute one or two POC for each town to resolve the queries and get approval for specified methodology? Please confirm?	Annexure –1, Para-12 -GIS Mapping, Page 23		GIS data is procured and provided by DDA as above.
11.	8	We Assumes that client will provide necessary authorization and permission required for this project along with dedicated POC to resolve issues and discuss about project scope			Yes. DDA will provide required authorisation and permission for this project along with dedicated POC to resolve issues, and will discuss further about project scope during the SRS stage also. However, the bidder may visit DDA (Planning Department) and collect required further details to understand issues related to the project.
		Agency#3			
12.	1 Pg no 35	Pre-Qualification (PQ) Eligibility Criteria, 2.1	The Tenderer should have valid CMMI Level 3 or above, on the date of Bid submission.	Since most of the GIS consultancy firms are not applicable for CMMI certification, we request you to kindly remove the criteria from Pre-Qualification (PQ) Eligibility Criteria. Please Confirm	Accepted: the pre-qualification criteria 2.1 is modified as follows - The lead bidder should have ISO 9001:2015 or CMMI3 or above certification. Please see Appendix-A.
13.	2. 2.2. Pg No 37	Technical Qualification & Evaluation Criteria	Certification and Credentials (valid on the date of submission of bid) ISO 9001: 2015 or latest; and SEI-CMMIL3	Certification or above Since most of the GIS consultancy firms are not applicable for CMMI certification, we request you to kindly remove the criteria from Technical Qualification & Evaluation Criteria. Please Confirm	As per RFP. There will be marks for the CMMI3 / 5 certification. If the Lead bidder does not possess CMMI 3 or above certification, the marks awarded for this parameter shall be zero. Please See Appendix-A
14.	3 Pg No 35	Pre-Qualification (PQ) Eligibility Criteria, 2.1	The Tenderer shall have experience of executing Turnkey GIS based IT Project over multiple location in India for Government or its Autonomous / PSU/ Subordinate organisation/ Local Bodies etc.)as System Integrator - Total Solution provider - for Design, Development and implementation of GIS System : Software Digitization, Ground Truthing and Superimposition of Layout plans, Zonal	We request you to kindly modify/change the criteria as; The Tenderer shall have experience of executing Turnkey GIS based IT Project over multiple location in India for Private, Government or its Autonomous / PSU/ Subordinate organisation/ Local Bodies etc.) as System Integrator - Total Solution provider - for Design, Development and implementation of GIS System : Software Digitization, Ground Truthing and	Accepted. It is modified as : We request "The Tenderer shall have experience of executing Turnkey GIS based IT Project over multiple location in India for Private , Government or Government's PSU/ Subordinate organisation/ Local Bodies etc.) as System Integrator - Total Solution provider - for Design, Development and implementation of GIS System : Software Digitization, Ground Truthing and Superimposition of Layout plans, Zonal Plans etc." (implementation of GIS based & Integrated Property and Land Parcel based

			Plans etc." (Implementation of GIS based & Integrated Property and Land Parcel based Management System, completed and operational)and should have executed / operationalised relevant projects in last 5 Years	Superimposition of Layout plans, Zonal Plans etc." (implementation of GIS based & Integrated Property and Land Parcel based Management System, completed and operational)and should have executed / operationalised relevant projects in last 5 Years	Management System, completed and operational) and should have executed / operationalised relevant projects in last 5 Years, as on date of Bid submission" . Please See Appendix-A.
		Agency#4			
15.	1 /20	Functional Requirement Clause 5c: Implementation of GIS	(To draw inputs from DSSDI Data Sets, as M/s Geospatial Delhi Limited (GSDL) is a provider of Information Technology Enabled Services (ITES) and solutions for Govt. Departments in Utilities, Social, Environment, Land &Property, Demographic, Emergency and Transport segments for better g-governance: http://gsdl.org.in)	Request to clarify the requirement specified in this clause	The Bidder's solution shall be able to draw inputs from DSSDI Data sets, relevant to the digitized and georeferenced layout plan chosen, display over the chosen digitised layout plan appropriately, and make it available to the viewer over Web/Internet access. This can be detailed during the SRS stage.
16.	2 /21	Functional Requirement Clause 5f: System Integration:	System should have the capability to integrate with following: · Integration with Land and Property Information System · Integration with Online Payment System · Integration with Grievance Redressal System · Integration with Feedback module...	We understand that each of these are individual systems existing or being developed at DDA and as part of current development process, these external systems have to be integrated with the proposed GIS Portal. Please confirm/clarify	Yes. Integration is to be achieved seamlessly with the proposed GIS Portal.
17.	3/21			With respect to integration with all the external existing/being developed systems, specified in this tender, we understand the following:- · Integration/data sharing services will have to be implemented at either end · Data of individual system will reside in respective systems, only linking/sharing of data will be done using integration/data sharing services · System integrators for respective system will be responsible for implementing such services at their end Please confirm	 Yes. Integration/data sharing is to be achieved seamlessly . Details to be worked during SRS Stage by the selected Bidder. Yes. Integration/data sharing is to be achieved seamlessly . Details to be worked during SRS Stage by the selected Bidder. Yes. Integration/data sharing is to be achieved seamlessly . Details to be worked during SRS Stage by the selected Bidder.
18.	4/24	Functional Requirement Clause 17: Others related Requirements	F. Security Audit Clearances G. GIGW Compliance Certificate	We understand that the cost of these certifications has to be included in the development component. Please confirm	Yes.
19.	5/25	Functional Requirement	The GIS system will be used in this system is an Open Technology GIS Tools and low cost. The MAPs will be created using tools like AutoCAD, QGIS (www.qgis.org), MapWindow GIS (www.mapwindow.org), SAGA GIS (www.sagagis.org) and others	We understand that the Bidder is free to choose the GIS platform, which will be low cost/open source, and may not be necessarily the ones as specified in this clause. Please confirm.	This list is a suggestive list. Bidder is free to choosecost-effective, Open Technology & Open Geospatial Consortium Standards based GIS Tools , professionally and dominantly used in the Urban Development Sector.
20.		Clause 20: Technology Platforms			

21.	6 /40	Clause 2.3: Financial Bid Evaluation Point ii Component A	Development Fee* (Design, Development and implementation of GIS System: Web Portal, Mobile Application , Software,...	Request to specify the functionalities/ tools etc. to be provided via the proposed mobile application	Functional Requirement is to access the proposed GIS Portal through Mobile Applications developed on Google's Android and / or Apple's iOS - operating systems used primarily in mobile technology, such as smartphones and tablets.
22.	7 /45	Annexure-4 Compliance with DDA-GIS Functional requirement <u>GIS Data Management GIS_22</u>	<ul style="list-style-type: none"> System shall build a controlled Master GIS Data Repository of approved spatial Data System shall establish a "Data Governance Process" as per the NSDI Guidelines of GOI/DDA etc., for data provided by agencies and other Departments before it gets uploaded.... 	<p>Request to clarify the following</p> <ul style="list-style-type: none"> What is the master directory specified here? What different sets of data will be uploaded onto this directory? Who will be uploading these datasets? What is the role of this master directory in the existing project development 	Master Directory is the master directory of plots. The sets of data to be uploaded are related to the attributes of the plots. The data will be imported from the DDA databases created out of other functioning / to be developed applications. The vendor will be required to seamlessly integrate them to the proposed solution.
23.	8/45	Annexure-4 Compliance with DDA-GIS Functional requirement <u>Web GIS Portal GIS_23</u>	<ul style="list-style-type: none"> System shall allow easy configuration to suit special interest group's applications without requiring any customization or additional coding; 	<p>We understand that the requirement here is to provided Role based access to the proposed GIS Web Portal</p> <p>Please confirm.</p>	Yes.
	9/47	Annexure-4 DDA-GIS Functional Specifications Point 10	GPS data/Personal Tracking/UAV integration capability with Synchronization from the field	<p>Please clarify the following:</p> <ul style="list-style-type: none"> What is the requirement envisaged in this clause? What is the role of this functionality with respect to the proposed GIS Web Portal system? 	This is a technology requirement, to facilitate Geo-spatial data getting enriched for Spatial DSS envisaged under this project.
24.	10/48	Annexure-4 DDA-GIS Functional Specifications Point 29: Data store catalog connectors	Product and national libraries	<p>Please clarify the following:</p> <ul style="list-style-type: none"> What is the national library required here in this clause? What is the role of this with respect to the proposed GIS Web Portal system? 	The master directory of land GIS objects is to be created. It will facilitate spatial DSS.
25.	11 /48	Annexure-4 DDA-GIS Functional Specifications Point 30: Image Server	Should support standard raster formats such as DTED, DEM, Jpeg2000, JPEG, TIF, BMP, Geo Tiff, ERDAS .IMG, Intergraph .COT, GIF,PNG, NITF, ESRI Grid, CADRG, MrSID etc.	<p>Please clarify the following:</p> <ul style="list-style-type: none"> Since, as such, there is no Imagery related requirements specified for the current project, what is the role of Image Server with respect to the proposed GIS Web Portal system? Also clarify how this image server will be used in the proposed system. 	It is clarified: for data exchange to facilitate Spatial DSS proposed under this project. DDA has built up Image database - photographs (images) of DDA Land - for effective land management. Such photographs are to be incorporated in the GIS system as attributes for overlaying.
26.	12/49	Annexure-4 DDA-GIS Functional Specifications Point 44	It should provide a web publishing wizard so that registered users can publish websites without the need of programming	<p>Please clarify the following</p> <ul style="list-style-type: none"> What is the requirement envisaged in this clause? What are the tools/ functionalities to be made available in such published websites? What will be the role of this functionality with respect to the proposed GIS Web Portal system? 	Clause clarified as : Authorised DDA registered users should be able to publish web-block / web pages under the proposed GIS web-porta01.

27.	13/49,5 0&52	Annexure-4 DDA-GIS Functional Specifications Point 54 Point 76: Directory Access Protocol (LDAP)	Connect securely Operate the GXP Xplorer Web application over a Hypertext Transfer Manage user credentials in GXP Xplorer. Password policies are customizable Access. Control user access to data by assigning roles within GXP Xplorer.	Please clarify the following <ul style="list-style-type: none"> What is the requirement envisaged in these clauses with respect to GXP Xplorer? What will be the role of this functionality with respect to the proposed GIS Web Portal system? Does DDA have an existing setup/license of GXP Xplorer? 	It is clarified that OGC products facilitating features - such as search multiple data stores across the enterprise with a single query to locate imagery, terrain, text documents, and video, etc. Details to be worked during SRS Stage by the selected Bidder. DDA does not have an existing setup/license of GXP Xplorer.
28.	14/50	Annexure-4 DDA-GIS Functional Specifications Point 56	Should have option to include connectors for common data streams including in-vehicle GPS Devices, mobile devices and social media providers	Please clarify the following <ul style="list-style-type: none"> What is the requirement envisaged in this clause? What will be the role of this functionality with respect to the proposed GIS Web Portal system? 	This is a technology requirement, to facilitate Geo-spatial data collection.
29.	15/50	Annexure-4 DDA-GIS Functional Specifications Point 59	Should have capability to automatically and simultaneously send alerts	Please clarify the following <ul style="list-style-type: none"> What is the requirement envisaged in this clause? What will be the role of this functionality with respect to the proposed GIS Web Portal system? 	These are standard tools that the system should provide, and the applications can use from time to time, as the need arises, for generation of alerts for DSS.
30.	16/50	Annexure-4 DDA-GIS Functional Specifications Point 67: Structured and unstructured data types	Imagery Terrain LiDAR...	Please clarify the following <ul style="list-style-type: none"> What is the requirement envisaged in this clause? Where does DDA foresee the use of these datasets in the current project? 	The system tool should be open enough to support all these data sets.
31.	17/50	Annexure-4 DDA-GIS Functional Specifications Point 68: Change detection	Listens for file system changes in all selected directories	Please clarify the following <ul style="list-style-type: none"> What is the requirement envisaged in this clause? What will be the role of this functionality with respect to the proposed GIS Web Portal system? 	System should have an audit trail of all the changes that are happening in the database.
32.	18 /51	Annexure-4 DDA-GIS Functional Specifications Point 71: Visualize results	Selectable map such as Google Maps, or any Web Map Service (WMS)	Does DDA want integration of GIS Portal with Google Maps? Also Google Maps may require license for commercial use. Please confirm.	Yes. DDA will procure Google Map License (or any other tool) for commercial use as and when required (as per the GOI policy, if allowed). However, functionality has to be established.
33.	19/51	Annexure-4 DDA-GIS Functional Specifications Point 72: Data Processing	Convert data to selected formats before download, Chip an image into its native format or into PowerPoint® in JPEG format. Generate image RSETS	Please clarify the following <ul style="list-style-type: none"> What is the requirement envisaged in this clause? What will be the role of this functionality with respect to the proposed GIS Web Portal system? 	This is a technology requirement. The application should facilitate the user to obtain data / image etc. in the format of his choice as specified in this clause.
34.	20/4	Section –21	The successful Bidder, for due and faithful performance of its obligations and as a pre-condition for signing of Advisory	As is a general practise by all the Central / State Government and PSU organisations, the total Security Deposit shall be 10% of the	Clause modified partially as : PG for Development & Digitisation Component need to be submitted initially. PG for O&M phase to be submitted just before

		<p>General Instructions and Terms & Conditions</p> <p>Clause 1.0</p> <p>Security Deposit and Performance Bank Guarantee</p>	<p>Agreement with DDA, shall be required to submit a demand draft of the amount equivalent to 5% of the tendered cost of the work (Total Fee as given in Financial Bid) as Security Deposit after adjusting the earnest money and shall also furnish a Bank Guarantee of the amount equivalent to 10% of the tendered cost of the work (Total Fee as given in Financial Bid) as Performance Bank Guarantee</p>	<p>Total Contract Value and is accepted in the form of Bank Guarantee (BG). In the present tender, total Security Deposit is 15% (5% in the form of DD and 10% in the form of BG). Request DDA to consider Security Deposit of only 10% of the Total Contract Value in the form of BG.</p>	<p>commencement of O&M phase. However, PBG for Development Fee will be released only after the PBG for O&M Phase is submitted to DDA and accepted by DDA. PBG for digitisation will be released on completion of digitisation component.</p>
35.	21/18	Annexure-1- Scope of the Work	Development and operationalisation of Web based Portal to display and location wise Search criteria for about 900 Maps through Digitization, Ground Truthing and Superimposition of Layout Plans, Zonal Plans etc., for facilitating Ease of Doing Business	Please share some sample data to understand the data model. So that all the bidders will have a common understanding about the data which is actually need to integrate with this portal.	The scan images of LOPs are available on DDA website. [https://dda.org.in/ddaweb/Layoutplansdrawing.aspx]
36.	22/19	Functional Requirement Clause 5a	Coordinate Collection, Digitization and Geo referencing of Layout and Zonal Plans (Maps)	Successful Bidder needs to develop a Web based portal. Digitization of the maps, georeferencing, etc, are not under the scope of the work. Please clarify.	Digitisation, georeferencing of Lay-out Plans are also under the Scope of work.
37.	23/19	Functional Requirement Clause 5c	(To draw inputs from DSSDI Data Sets, as M/s Geospatial Delhi Limited (GSDL) is a provider of Information Technology Enabled Services (ITES) and solutions for Govt. Departments in Utilities, Social, Environment, Land &Property, Demographic, Emergency and Transport	Successful Bidder will use GSDL data for Govt. Departments in utilities..... etc. Successful Bidder is not required to update Utilities, Social, Environment, Land &Property, Demographic, Emergency and Transport data. Please confirm	The Bidder's solution shall be able to draw inputs from DSSDI Data sets, relevant to the digitized and georeferenced layout plan chosen, display over the chosen digitised layout plan appropriately, and make it available to the viewer over Web/Internet access. The successful bidder is not required to update the GSDL data.
38.	24 /37	Annexure-II Eligibility and Evaluation Criteria Clause 2.2 iv: Technical Evaluation Marking Point A: Bidder's Profile (25)	<p>Certification and Credentials (valid on the date of submission of bid) ISO 9001: 2015 or latest; and SEI-CMMiL3 Certification or Above</p> <p>ISO9001:2015& SEICMMiL-5: 5 Marks ISO9001:2015&SEI-CMMiL 3: 2 Marks</p>	DDA is requested to allot full 5 marks for ISO 9001:2015 & SEI-CMMiL 3 as there are a very few companies in India who are doing GIS survey and also SEI-CMMiL 5 certified.	It is modified for ISO9001:2015&SEI-CMMiL 3: <u>3 Marks</u> . <u>If the bidder does not posses CMMi 3 or above certification, he shall be awarded zero marks under this parameter.</u> Please See Appendix-A.
39.	25/22	Annexure-I:Scope of Work Clause 9: DGPS Coordinate Collections from ground control point (GCP) Methodology	Bidder will mobilize the team into the field to take ground control point (GCP) for Image Geo-referencing	Procuring image is not part of the scope of work, DDA will provide image to the Successful Bidder. Please confirm.	Remote sensing image, if required will be provided by DDA, for which GCP work has already been done by DDA. Successful bidder shall be required to take GCP in respect of LOPs only
40.	26/24	Annexure-I:Scope of Work Clause15: Trainings	Bidder will organize training of 7 Days to the core Group of DDA at Vikas sadan	DDA is requested to clarify the size of training core group members.	Capacity building of DDA officials: Bidder will be responsible to conduct 3 workshops (2-day duration each with hands on experience) to sensitize around 100 identified (relevant) DDA officials to the features, use cases and applications of the portal. Training for operating the portal, data entry and verification, preparation of reports, system maintenance and upgrading and basic trouble shooting will be provided

					to 20 DDA personnel through on-the-job and classroom training methods, by providing required training materials for capacity building and competency development on the LOP GIS Portal developed under this Contract. During O&M Phase too, Capacity Building of DDA officials are required to be provided to facilitate operational continuity of the Portal.
41.	27/25	Annexure-I Scope of Work Clause 21: Responsibilities - DDA	DDA will provide the Soft as well as hardcopy of required Layout and Zonal plan.	DDA is requested to provide sample layout plan for bidding process to understand the geographical link and other object which is to be captured during project.	Requested to visit DDA website (http://www.dda.org.in) under the Planning Department. The softcopy means 'scan copy'.
42.	28/40	Annexure-II Eligibility and Evaluation Criteria Clause 2.3: Financial Bid Evaluation	The combined value of these bid parameters will be considered for financial bid evaluation. Thus, financial bid (F) of an applicant will be given as: $F = A + 400 * B + 3 * C$ Where 400 is 400 Sq.Kms and 3 is 3 Years.	DDA is requested to confirm how many year O&M fees need to provide price by bidder? As it is mentioned in RFP: Annual O&M Fee* (After Development Phase Exit) for 1 Year" Where as in the calculation, it is said 3 years.	The financial bid Proforma clearly indicates that O&M bid is to be quoted on 'per-annum' basis. Clause 45(iii) under 'Payment terms' of The General Instructions and Terms of Reference is modified as below - Annual O&M Fee: will be a lump sum fee to be charged for every 12-month period from the Development Phase Exit, up to a maximum period of 3 years. Fees for the last Quarter of O&M will be paid on a prorata basis for the total number of months. Payment of O&M fee will be as given in Table-1.
43.	29/16	General Instructions and Terms & Conditions Point 79: Security Audit of Software and Website	The selected Bidder shall undertake appropriate Cyber Security Audit of the Portal/Website and the associated application software through the empanelled agencies of CERT-IN of the Government of India, before "go-live" stage, and shall ensure that all uploaded digitized Layout Plans / Zonal Plans are not replicable with other Layout Plans / Zonal Plans respectively.	It is understood Cyber Security Audit cost will be borne by DDA. Please confirm.	To be included in the Development Fee.
44.	30/19	Functional Requirement Clause 5.a	Coordinate Collection, Digitization and Geo referencing of Layout and Zonal Plans	DDA is requested to take DGPS ownership certificates in Pre-Qualification (PQ) Eligibility Criteria. As activities with DGPS instruments is the functional requirement.	Agreed partially. No change in PQ criteria. However, in Technical evaluation, under the head Relevant Strength, following criteria is added: 7: DGPS Ownership Certification - Valid on the date of submission of Bids – 5 marks; Full (5) marks will be awarded if the certification is submitted, else zero marks. Please See Appendix-A.
45.	31	-	JV/Association	JV/Association allowed or not?	A Consortium of maximum 3 members is allowed. The consequential correction made in TQ and PQ shall be as per the Appendix-A of this document.
46.	32	-	General		

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47.	1	Pg. 9/25	Technology Platform	At page 9 it mentions about COTs while under point 20, technology platforms you mention The GIS system will be used in this system is an Open Technology GIS Tools and low cost. The MAPs will be created using tools like AutoCAD, QGIS(www.qgis.org), MapWindow GIS (www.mapwindow.org), SAGA GIS (www.sagagis.org) and others. Suggestion: This line show a tilt towards the Open source	It is clarified that COTS product shall be based on Open Technology, Open Geospatial Complaint product GIS Tool.
48.	2	Page 25	Technology Platform		
49.	3	Page 26	Bidders Responsibility		

				platform, while the COTs product shall be given an equal opportunity.	
50.	4	General		The project doesnot cover the technical specifications for the digitization platform and the portal for compliance. We are attaching a set of technical parameters for the portal	As per RFP.
51.	5	Proposal to cover	The Number of Users	Request you to please confirm on the number of Users of the system	There will be about 50 - 100 concurrent users of the System.
52.	6	Proposal to cover	Training Details	Request you to please confirm on the team size required to be trained on the platform	Capacity building of DDA officials: Bidder will be responsible to conduct 3 workshops (2-day duration each with hands on experience) to sensitize around 100 identified (relevant) DDA officials to the features, use cases and applications of the portal. Training for operating the portal, data entry and verification, preparation of reports, system maintenance and upgrading and basic trouble shooting will be provided to 20 DDA personnel through on-the-job and classroom training methods, by providing required training materials for capacity building and competency development on the LOP GIS Portal developed under this Contract. During O&M Phase too, Capacity Building of DDA officials are required to be provided to facilitate operational continuity of the Portal.
53.	7	Page 19	Scope of work	We understand that for infrastructure planning and management, allotment and regulation of the properties there will be work for creating and maintaining cadastral GIS data including parcel editing including the tools, workflow, topology, errorchecking, version management, and historic rollback that makemapping and public records tasks quick and easy. It should be able to identify GIS data errors based on set of rules and behaviour that model how points, lines, and polygons share coincident geometry. For such type of work there is a requirement of GIS based COTS product. We request authority to let the COTS GIS solution to be the part of this tender for successful delivery.	<u>The understanding is not as per RFP. The scope broadly includes digitization, georeferencing and attaching the property attributes available with DDA data base and preparing the use friendly portal for the public. It is clarified</u> that the scope of work does not include infrastructure planning and management, maintaining cadastral (revenue) GIS data etc. COTS product shall be based on Open Technology, Open Geospatial Complaint product GIS Tool.
54.	8	Page 19	Provide centralized GIS based Property & Land Management System with Web Portal & Mobile Application for citizen services for enhancing the Ease of Doing Business (EoDB) and improvement of investment climate;	What is the native app required for mobile application. Android, IOS window. Please clarify? Are you also looking for web responsive sites that refit to the mobile based on their screen size?	Clarified that Native App required for Mobile Application shall be on both Android and iOS . Also for Web responsive sites that refit to the mobile, <u>based on their screen size</u> .
55.	9	Page 22	Spatial database creation will be a vital step where interactive decisions are required like finding the associativity of property, buffer analysis and hence propose site suitability based on custom criteria. Spatial entities will be digitized by collecting DGPS coordinates and for some locations using the Ground control points	As per the requirement and site suitability analysis requires a full fledge scalable data model and spatial analytic tools with DEM, slope area, and condition for doing custom criteria. These requires a COTS product for implementing such kind of advance analytics. We request authority to include the COTS GIS products. Open source system doesn't have	It is clarified that COTS product shall be based on Open Technology, Open Geospatial Complaint product GIS Tool. The spatial analytics is not a part of scope of this work.

			are used for creating base maps. Allotment data will be linked with the spatial database to make a dynamic seamless information matrix. Spatial dataset like Location of Property, Layout of Zones/Wards, Property wise-wise details like Vacant, allotted etc., Color coding schema will be incorporated to distinguish various property types. Layout of basic infrastructure facilities and amenities like road connectivity, Water Supply System, Power Supply, sewerage systems, Drainage etc. will be derived.	these capabilities and that will lead to a delivery challenge.	
Agency#6					
56.		Specification sr no. 30 Image Server, Page 48	Should support standard raster formats such as DTED, DEM, Jpeg2000, JPEG, TIF, BMP, Geo Tiff, ERDAS .IMG, Intergraph.COT, GIF,PNG, NITF, ESRI Grid, CADRG, MrSID etc..	ESRI Grid is Proprietary format of a particular software, of a particular OEM, so we request for its removal. Web reference https://en.wikipedia.org/wiki/Esri_grid Additionally, we recommend to put .ECW format (https://en.wikipedia.org/wiki/ECW_(file_format)) which is being used by GSDL and NIC so that seamless integration of data may take place between DDA and other agencies. Reason for Recommendation: Proprietary product format of a particular OEM and can be read and used by them only. Additionally .ecw format would allow DDA to utilize the data from GSDL, NIC, Bhuvan etc.	Agreed. ESRI Grid format is removed however it should support all standard Raster format .
57.		Specification sr no 54, Security, Page 49	Operate the GXP Xplorer Web application over a Hypertext Transfer	Query and Recommendation: GXP Xplorer is Proprietary software of a OEM, and doesn't supported by industry standard software, so we request for its removal. Web reference https://www.geospatialexploitationproducts.com/content/gxp-platform/gxp-xplorer/ Reason for Recommendation: Proprietary product terminology of a particular OEM and can be read and used by them only.	It is clarified that OGC products facilitating features- such as search multiple data stores across the enterprise with a single query to locate imagery, terrain, text documents, and video, etc. Details to be worked during SRS Stage by the selected Bidder.
58.		Specification sr no 54, Security, Page 50	Manage user credentials in GXP Xplorer. Password policies are customizable.	Query and Recommendation: GXP Xplorer is Proprietary software of an OEM, and doesn't supported by standard software, so we request for its removal. Web reference https://www.geospatialexploitationproducts.com/content/gxp-platform/gxp-xplorer/ Reason for Recommendation: Proprietary product terminology of a particular OEM and can be read and used by them only.	
59.		Specification sr no 54, Security, Page 50	Manage user credentials in GXP Xplorer. Password policies are customizable.	Query and Recommendation: GXP Xplorer is Proprietary software of an OEM, and doesn't supported by standard software, so we request for its removal. Web reference https://www.geospatialexploitationproducts.com/content/gxp-platform/gxp-xplorer/	

				om/content/gxp-platform/gxp-xplorer/ Reason for Recommendation: Proprietary product terminology of a particular OEM and can be read and used by them only.	
60.		Specification sr no 68, Change detection, Page 50 & 51	Listens for file system changes in all selected directories Discovers new files, deletions, and changes Keeps catalog updated in near-real-time Notifies and flags file duplicates	Query and Recommendation: The specifications needs to be removed as they don't have any significance with respect to change detection using GIS and Remote Sensing data. We recommend the following specification Building Change detection – The Web GIS should support OGC Web Processing Service (WPS) Compliant and should run the change detection using temporal satellite images." The change detection should able to detect building automatically using two different satellite images over web browser. Web reference: https://en.wikipedia.org/wiki/Change_detection_(GIS)	System should have an audit trail of all the changes that are happening in the database.
61.		Specification 71 Visualize results, Page 51	Cluster results for a condensed view of overall coverage Break clusters into individual color-coded product markers or coverage footprints Summary of results by type and quantity Filter results hierarchically by type and sub-type Time Slider filters map markers in real-time and groups products on the slider itself Display reference data feed services to help make data selection decisions	Query and Recommendation: Above are feature of a particular software of a particular organization and of no utility to DDA requirement, so we recommend for its removal allowing equal opportunity for participation. Please clarify in case why the above is required and elaborate the use case. Web reference http://desktop.arcgis.com/en/arcmap/latest/extensions/production-mapping/filtering-the-datasource-using-attributes.htm https://pro.arcgis.com/en/pro-app/tool-reference/spatial-statistics/an-overview-of-themapping-clusters-toolset.htm Reason for Recommendation: Proprietary product terminology and features of a particular OEM and can be read and used by them only.	Agreed. However, standard features for visualization of results (clustering and filtering) and search are required.
62.		Specification sr no 74, Annotation in a Web browser, Page 52	Measure geographic coordinates using sensor model geometry, not approximations Underlying terrain used if available for geospatially correct measurements Measure distances and height calculations using sensor model Collaborate via chat and jointly edit products in real-time	Query and Recommendation: Above are feature of a particular software of a particular organization and of no utility to DDA requirement, so we recommend for its removal allowing equal opportunity for participation. The Web references https://pro.arcgis.com/en/pro-app/help/analysis/image-analyst/what-is-image-spaceanalysis-.htm https://pro.arcgis.com/en/pro-app/help/data/imagery/making-measurements-usingimagery.htm https://www.esri.com/arcgis-	Agreed partially. Sensor model is not mandatory. Alternate algorithm having similar features can be used. Collaborate via chat is not mandatory if it is related to particular OEM product. However, mechanism to collaborate real time should be there.

				<p>blog/products/arcgis-online/sharing-collaboration/enablecolleagues-to-update-your-maps-and-apps/ Incase, DDA would like to retain the specification then, please clarify the utility with respect to above feature/functionality required and elaborate its use case. Reason for Recommendation: Proprietary product terminology and features of a particular OEM and can be read and used by them only.</p>	
63.		Specification, Versioning, Geodatabase Page 40 to 60 and across tender		<p>Query and Recommendation: Geodatabase and Versioning is proprietary term and feature of a particular software product of an OEM, so we recommend for its removal with open standard terminology which are Spatial Database and Spatial Data Management respectively. The versioning and geodatabase are not open standard and cant be integrated with the entire solution if any other product is being used. Web reference Versioning: https://www.esri.com/news/arcuser/0110/versioning101.html Geodatabase: https://helpwiki.evergreen.edu/wiki/index.php/ArcGIS_10:_What_is_a_Geodatabase%3F Reason for Recommendation: Geodatabase and versioning are proprietary product terminology of a particular OEM and can be read and used by them only.</p>	Agreed. The words Geo-database and Versioning is substituted with Spatial database and Spatial data management respectively.
64.		Annexure 2 DDA additional Specification recommended after analyzing the requirement		<p>The Web GIS system should support clipping and/or download option for raster and vector data by only authorized users of DDA. The provision of right definition of read, edit, modify should be there in the COTS package on the individual datasets. The supported raster format should be ECW, JPEG2000, IMG, and TIFF.</p>	Agreed partially. The provision of rights definition of read, write, edit, modify should be there in the COTS package/bespoke package on the individual datasets.
65.				<p>The GIS Server should support at least the following industry standard data formats for cataloguing, publishing and discovery through Web Portal 2D Data Support File Extension ERDAS IMAGINE Image .img • MrSID .sid • TIFF (tiled & stripped) .tif • GEOTIFF (tiled & stripped) .tif • NITF .ntf • JPEG2000 .jp2 • Geography Markup Language File .gml • ESRI ArcGIS Shape File .shp • Point Cloud .las</p>	The system should be able to support industry-standard data types, industry-standard data formats, unlimited file size or database size, unlimited number of files or tables.

				<ul style="list-style-type: none"> • Point Cloud (compressed) .laz • Point Cloud (compressed) .hpc • Any generic resource digital file .jpg, .pdf, .doc, .xls, etc • Enhanced Compressed Wavelet .ecw 3D Data Support File Extension • DEM GeoTiff (*.tif or *.gtif) SRTM HGT Format (*.hgt) – SRTM-3 and SRTM-1 V2 files. AIG – Arc/Info Binary Grid (*.adf) USGSDEM (.dem) Ascii Gridded XYZ (*.xyz) Ascii Gridded ASC (*.asc) • OrthophotosGeoTiff (*.tif or *.gtif) • 3D Objects KMZ Files, OBJ Files, 3DS Files 	
66.				The system should be able to support industry-standard data types, industry-standard data formats, unlimited file size or database size, unlimited number of files or tables, and unlimited number of users.	Please see above.
		Agency#7			
67.			Clause Exemption for Micro, Small & Medium Enterprises: - Criteria for EMD/Tender Fee Exemption for MSME and Startup Companies	As per the GOI directives, Micro, Small & Medium Enterprises Development Act, 2006, Tender fee and EMD should be zero . Request to reconsider the EMD & Tender fee clause as per the GOI guidelines	As per RFP
68.		Criteria under Annexure2 Eligibility and Evaluation Criteria 2.1 Pre-Qualification (PQ) Eligibility Criteria Page no 35 Sr, No. 8	The Tenderer should have valid CMMI Level 3 or above, on the date of Bid submission.	Please exclude SEI-CMMIL3 Certification criteria for product companies . All the product companies follows the best of following process not CMMI :	Accepted: the pre-qualification criteria 2.1 is modified as follows - The lead bidder should have ISO 9001:2015 or CMMI3 or above certification.
69.		Criteria under Annexure2 Eligibility and Evaluation Criteria 2.1 Pre-Qualification (PQ) Eligibility Criteria. Page no 35 Sr, No. 9	The Tenderer shall furnish documentary proof of their technical capability to undertake job of application software development and digitization etc., in Client Server as well as Web based environment.	Request to elaborate the type of document required for the same	Work order from the Client.
70.		Page no 36 Sr, No. 14	The Tenderer must have minimum 25 Technically Qualified Human Resources in GIS Technology and at least at least 200 full time resources on our permanent pay roll in India as on 31st March for this project"	This condition is not as per the MSME and Startup policy of Government of India. There is no logic for keeping this condition, this will not only reduce the competition but ensure participation from selective vendors only	Accepted : as "The Tenderer/ Lead Member (in case of Consortium) must have minimum 100 Technically Qualified Human Resources with atleast 25 technically qualified Human Resources in GIS Technology, as on Bid Submission Date, available with the firm. "
71.				Request to with draw this condition for product companies & reasonable resource conditions matching with the scope of work for development/service companies	Apart from Educational & Experience Certification, Professional Industry Certifications such as DBA Certification, Network Certification, etc. relevant to project works to be be undertaken under this tender.
72.				Request to elaborate about the certificate of top 10 resources is it qualification certificates or experience certificate or any other ?	
73.		Page no 37	The applicant must respond to all the technical evaluation criteria, and obtain a minimum of 80 marks (or above) to qualify for financial bid opening.	Since proposed RFQ is two bid system and not based on QCBC, so 80 marks are very high specially considering the technical marking schemes .We are participating in various government tenders and most of the times maximum marks criteria is kept 60 - 70%	Agreed. This is modified as : "Annexure-2: Clause 2.2 (iii.) Technical evaluation of bids will be based on the criteria given in Clause 2.2 (.iv) below. The bid proposal should strictly be in line with the formats provided in (Annexure-5).The applicant must respond to all the technical evaluation criteria, and obtain a minimum of 70 marks (or above) to qualify for financial bid

		<p>Criteria for Technical Evaluation (Technical Evaluation Marking) Page No 37 Sr. No. 1</p> <p>Page No 37 Sr. No. 2</p>	<p>Average Annual turnover</p> <p>Net Worth</p>	<p>No additional mark should be allotted for additional turn over and net worth . Maximum marks should be based on the pre-qualification criteria .</p> <p>In spite of Pre-Qualification MSME company will have disadvantage for additional marks awarded for higher turnover . As per the Technical marking criteria higher turnover & net worth , experience will have disadvantage of 16 marks to MSME in spite of prequalification and has to obtain 80 marks out of 84 marks</p> <p>Request to amend the marking criteria for additional mark for better competition & equality and aligning with the Government's & CVC guidelines</p> <p>Note : Attached GOI directive Order dated 8th Nov 2016</p>	<p>opening.</p> <p>Annexure-2: 2 (iv) Criteria for Technical Evaluation : Modified as:</p> <p>(iv) Technical Evaluation Marking</p> <p>(Bidder has to score 60% or above in each Categories A., B., C. and D., and final score (Categories A., B., C., and D.) shall be >= 70 Marks out of 100 to qualify for Financial bid opening. Even if one Resource Person's Profile (provided) does not meet the specified Profile Requirements, the Bidder will not be considered for Financial Bid Opening.)</p> <p>As per RFP</p> <p>Changes are made as follows: -</p> <ol style="list-style-type: none"> 1. Marks for Networth are deleted 2. Bidders Profile will now have 20 Marks
74.		Relevant Strengths (25) Page no 37 S. No, 6	Prior experience in execution of single project with digitization of more than 500 layouts or 500 Sq.KM of area in one Indian city completed in past 5 financial years.	Request to follow the CVC guidelines for experience criteria and change the experience & marking criteria i.e. single order of 80% of estimated cost or two orders of 50% of estimated cost or three orders of 40% of estimated cost of project	Agreed partially. Corrections in the criteria 6 (TE Performa) may be seen in Appendix-A.
75.		Relevant Strengths (25) Page no 37 sr No, 7	Projects undertaken in India, with project value greater than Rs. 1 Crore (Maximum 5 Projects – each project will carry 1 Marks)		As corrected in Appendix A.
76.			Consortium	During the Prebid meeting DDA informed that Consortium will be allowed . Request to restrict the maximum three partners in Consortium where lead partner should full fill the Financial criteria and rest of the partners should fulfill the experience criteria . This is in line of the Consortium philosophy	Consortium with maximum 3 partners allowed. Consequential changes in PQ / TE criteria are given in Appendix A.
77.		Page no 19	Scope of work Note: Lay Out Plans (LOPs) and database developed through Land Pooling Policy Applications will be required to be integrated to this proposed System at a later stage.	Request to further elaborate the integration requirement like No of elements, single or dual side application to applications i.e. GIS to Land Pooling or Land Pooling to GIS and No of data elements required for Integration and also share the Integration document for clarity of scope for Integration	LPP is a separate application being developed separately. When the LOPs (which will be in digitised format already) are developed in LPP area, this application is only required to source the said data from LPP application and overlay on this portal.

78.		Page no 19 Sr, No. 3 (c)	Provide centralized GIS based Property & Land Management System with Web Portal & Mobile Application for citizen services for enhancing the Ease of Doing Business (EoDB) and improvement of investment climate;	Please define the mobile app scope and responsibility of API's from various systems, No of API's and No of applications with brief of each system . Request to share EODB guidelines applicable to DDA considering multiple guidelines issued by DIPP/GOI since 2014 onwards	EODB guidelines related to LOPs are that the User should be able to get a certified copy of approved LOP digitally, without manual interface. Mobile app scope will be detailed at the time of SRS. Basically, the LOPs (or parts thereof) should be visualisable/ downloadable on mobile, and user should be able to access and feed attributes related to plots (based on authorisation).
79.		Page no 19 Scope of work: Sr. No. 3 (e)	Link GIS System with Land and Property Information System; Integration with existing Bhoomi&Awaas and Land Management System(LMIS) System or any other systems working in Planning Department of DDA;	Existing system are in Window platform request to elaborate the integration requirement with GIS and share the Integration document for clarity of scope for Integration	Integration will be from the point of view of Live data transfer / access. Details will be worked out at the time of SRS.
80.		Page no 19 Scope of work: Sr. No.4	Apart from the land falling in the LOPs, the Bidder will also be required to digitize , geo reference and integrate into the proposed System, the other plots (not falling in the LOPs), that are in the ownership/possession/custody of DDA.	Please define the scope for " other plots" that not falling in the LOPs i.e. No of layout and area in SQM for assessment of work	"other Plots" means that are in the ownership/possession/custody of DDA such as district parks, sports complexes, undisposed land etc.
81.		BOQ		There is confusion in BOQ since two excel sheets are given in BOQ of price bid and also mentioned Table 1 . But table "1" is missing in price bid format . Purpose of two BOQ is also not clear .Some of the elements in price bid excel sheet 2 , cannot be month basis but should be volume based . 2. Request to clarify the above points for better & clear-cut understanding 3. For resource identify in BOQ , kindly clarify if resources will be working in DDA and siting space & computers shall be provided by DDA considering the LAN/WAN requirement for execution of project . In case offsite development is allowed than this query is not applicable	Table 1 in the Form 5F is split in 2 parts, Table 1A consisting of SI 3,4, 5, 6 & 7; and Table 1B consisting of SI Nos 1 & 2. Table 1A relates to financial components of Item A : Development Fee. Table 1B relates to financial component of Item B : Digitisation Fee. No formulae are included in the excel sheet of BOQ. They need to be manually entered. Please see above Please see clause - 37. Off-site development is also allowed. Please see Revised Form-5F in Appendix-A.

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82.		2	Cause 5 The bid shall remain valid for 180 days from the opening of tender (Technical Bid)	Request you to consider bid validity from the date of Bid opening (PQ)	Accepted
83.		4	Cause 21 Performance Bank Guarantee	PBG is asked for entire project value initially. Request you to change the same and separate the PBG for Development fee and O&M phase. O&M PBG can be given before the start of the period.	Clause modified partially as : PG for Development & Digitisation Component need to be submitted initially. PG for O&M phase to be submitted just before commencement of O&M phase. However, PBG for Development Fee will be released only after the PBG for O&M Phase is submitted to DDA and accepted by DDA. PBG for digitisation will be released on completion of digitisation component.
84.		6	Clause 37 Tenderer responsibility	Request you to relax this clause from the RFP. As a bidder, we shall take care of our responsibilities towards our associates and DDA shall not in anyway be accountable for	As per RFP

				their salaries and allowances.	
85.		7	Clause 45 (iii) Annual O&M Fee	Please provide clarification on O&M fee. Will the fee be paid on quarterly basis or yearly? Our understanding is it will be paid quarterly. Please confirm.	Quarterly. 25% of quoted annual O&M Fee every quarter.
86.		5	Clause 30 Hard copy submission	Do we have to submit hardcopy of the tender? If yes. Please mention the deadline for hard copy submission?	No
87.		7	Table-1: Payment Milestone	Request you to consider adding Payment milestone at ED+39 for 20% of Development Fee for Milestone C. System Integration - Application Design and Development based on COTS Product (Software As A Service) or Bespoke Model as mentioned on page 30 and 31	AS per RFP.
88.		28	Clause 24 Resource Deployment	As per the requirement, tenderer should be given the flexibility to have the manpower deployment plan. Having the manpower 24x7 for this project is not feasible for development & Digitalisation phase. However, during the O&M phase support will be as per the SLA agreed.	Accepted. The line "To meet the urgent requirement of DDA, Bidder will deploy 24x7 manpower in three shifts for back office operation. " in clause 24 stands deleted. However, the successful tenderer will be required to meet SLA requirement.
89.		33	PQ Clause 2 c) In case of Consortium of Members, the MoU/Agreement, on an appropriate Non-Judicial Stamp Paper, purchased by the Lead Partner/Member, between the Lead Partner/Member and his Consortium Member/Partner(s), as per the format given clearly depicting the roles and Responsibilities of each member(at Annexure – 15).	Is there any consortium template? Can the bidder propose the template as it is not mentioned in the RFP? As Annexure -15 is missing.	Please see the necessary correction in Appendix A
90.			General PQ and TQ	Request you to consider projects completed within 5 years from bid submission date instead of 31st March 2018. Projects experiences which completed in last year can also be used with this change.	Accepted.
91.		97	Annexure 16 Project reference	There are 2 templates with similar information is provided in Pg 65 Form 5C. Please confirm which one to use.	Information is to be provided as per form 5C
92.		33	2.1. Pre-Qualification (PQ) Eligibility Criteria, point No 4 The Tenderer should be in the business of Design, Development and implementation of GIS System: Software Digitization, Ground Truthing and Superimposition of Layout plans, Zonal Plans etc." (implementation of GIS based & Integrated Property and Land Parcel based Management System, completed and operational)and should have executed /	Request you to consider the below change as the tender is largely related to GIS based development: The Tenderer should be in the business of Design, Development and implementation of GIS based Applications , Maps digitisation and Survey and should have executed / operationalised relevant projects in last 5 Years, as on Bid Submission Date.	Agreed. The clause 2.1 point 4 is modified as "The Tenderer should be in the business of Design, Development and implementation of GIS based Applications , Maps digitisation and Survey and should have executed / operationalised relevant projects in last 5 Years, as on Bid Submission Date." Please see Appendix-A.

			operationalised relevant projects in last 5 Years, as of 31st March 2018 (FY 17-18, FY 16-17, FY 15-16, FY 1415, FY 13-14).		
93.		35	2.1. Pre-Qualification (PQ) Eligibility Criteria, point No 9 The Tenderer shall furnish documentary proof of their technical capability to undertake job of application software development and digitization etc., in ClientServer as well as Web based environment	We see that the documents related to this clause is already being submitted as per PQ Clause 4. In this context please remove the duplicate clause.	As per RFP
94.		35	2.1. Pre-Qualification (PQ) Eligibility Criteria, point No 11 The Tenderer shall have experience of executing Turnkey GIS based IT Project over multiple location in India for Government or its Autonomous / PSU/Subordinate organisation/ Local Bodies etc.)as System Integrator - Total Solution provider - for Design, Development and implementation of GIS System : Software Digitization, Ground Truthing and Superimposition of Layout plans, Zonal Plans etc." (Implementation of GIS based & Integrated Property and Land Parcel based Management System, completed and operational)and should have executed / operationalised relevant projects in last 5 Years (FY 17-18, FY 16-17, FY 15-16, FY 14-15 and FY 13-14)): - (a) One Project of Value >= INR 3.5 Crore Or (b)Two Projects of Value each >= INR 2 Crore Or (c)Three Projects of value each >= INR 1.5 Crore.	Request you to consider the below change for wider participation: The Tenderer shall have experience of executing Turnkey GIS based IT Project in India for Government or its Autonomous / PSU/Subordinate organisation/ Local Bodies etc.)as System Integrator - Total Solution provider - for Design, Development and implementation of GIS System : GIS based application development, Map digitisation and Survey , and should have executed / operationalised relevant projects in last 5 Years (FY 17-18, FY 16-17, FY 15-16, FY 14-15 and FY 13-14)): - (a) One Project of Value >= INR 3.5 Crore Or (b)Two Projects of Value each >= INR 2 Crore Or (c)Three Projects of value each >= INR 1.5 Crore.	Accepted. The clause point 11 stands modified as "The Tenderer shall have experience of executing Turnkey GIS based IT Project in India for Government or its Autonomous / PSU/Subordinate organisation/ Local Bodies etc.)as System Integrator - Total Solution provider - for Design, Development and implementation of GIS System : GIS based application development, Map digitisation and Survey, and should have executed / operationalised relevant projects in last 5 Years (FY 17-18, FY 16-17, FY 15-16, FY 14-15 and FY 13-14)): - (a) One Project of Value >= INR 3.5 Crore Or (b)Two Projects of Value each >= INR 2 Crore Or (c)Three Projects of value each >= INR 1.5 Crore". Please see Appendix-A.
95.		36	2.1. Pre-Qualification (PQ) Eligibility Criteria, point No 14 The Tenderer must have minimum 25 Technically Qualified Human Resources in GIS Technology and at least at least 200 full time resources on our permanent pay roll in India as on 31st March for this project" Appropriate Certifications are necessary for the top Ten Resources handling different Areas of Projects.	Request you to consider the below change as the project is related to GIS based development: Request you to consider as the Tenderer/ Lead Member (in case of Consortium) must have minimum 100 Technically Qualified Human Resources with atleast 10 in GIS Technology, as on Bid Submission Date available with the firm. Appropriate Certifications are necessary for the top Ten Resources handling different Areas of Projects. Document Required:	Accepted : as "The Tenderer (Sole Bidder/ Lead Member (in case of Consortium)) must have minimum 50 Technically Qualified Human Resources, and the Tenderer (Sole Bidder/ Consortium) must have atleast 25 technically qualified Human Resources in GIS Technology, as on Bid Submission Date, available with the firm. " Please see Appendix-A.

				Relevant Documents or Undertaking signed by the Authorized Signatory. Relevant CVs of top ten resources	
96.		37	2.2. Technical Qualification Marking point No 1 Average Annual turnover from IT/ITES Business [ICT/GIS System Integration projects, ICT Systems Development projects, GIS Systems Development Projects, Digitisation and their Implementation Work] in last 3 Financial Years (Turnover in Rs. Crores). (Rs. 2 Crore – Eligibility Criteria)	Request you to consider the below change in case of consortium: Request you to consider as average combined Annual turnover from IT/ITES Business [ICT/GIS System Integration projects, ICT Systems Development projects, GIS Systems Development Projects, Digitisation and their Implementation Work] in last 3 Financial Years (Turnover in Rs. Crores). (Rs. 2 Crore – Eligibility Criteria)	Accepted. In case of consortium, combined annual turnover to be taken into consideration.
97.		38	2.2. Technical Qualification Marking point No 4 Empanelment: Bidder/ having empanelled with any one State/Central government agencies for GIS/Survey scope of Works (valid as on date of Bid submission)	Request you to consider the below change in case of consortium Empanelment: Sole Bidder/ Any member of consortium having empanelled with any one State/Central government agencies for GIS/Survey scope of Works (valid as on date of Bid submission.	Not Accepted. In case of consortium, Lead member needs to meet this criteria. Further, it is clarified that the clause is modified as- "Sole bidder / Lead member having undertaken / executing project in any one state/ central government agencies for GIS/Survey scope of Works (valid as on date of Bid submission." Please see Appendix-A.
98.		38	2.2. Technical Qualification Marking point No 5 Prior experience in Development Authority/Housing Board / Urban Local Bodies / Municipalities/Government for layout superimposition, ground truthing and Digitisation on Basemap, in India completed in past 5 financial years. Projects undertaken in India, of each value >= INR 50 Lakhs. 1. >=3 Projects : 10 Marks; 2. 2 Projects: 5 Marks; 3. 1 Project: 3 Marks;	Request you to consider the below change for wider participation: Projects undertaken in India, of each value >= INR 50 lacs 1. For project value >= INR 2 Crore (10 Marks per Project) Max 1 project. 2. For project value >= INR 1 Crore (5 Marks per Project) Max 2 projects. 3. For project value >= INR 0.5 Crore (2.5 Marks per Project) Max 4 projects.	Agreed. Item 5 modified as - "Projects undertaken in India, of each value >= INR 50 lacs 1. For each project value >= INR 2 Crore (10 Marks per Project) Max 1 project. 2. For each project value >= INR 1 Crore (5 Marks per Project) Max 2 projects. 3. For each project value >= INR 0.5 Crore (2.5 Marks per Project) Max 4 projects. Subject to a maximum of 10 marks." Please see Appendix-A.
99.		38	2.2. Technical Qualification Marking point No 7 Past Experience in implementation of GIS based & Integrated Property and Land Parcel based Management System, completed and operational during the last 5 financial years for Government or its Autonomous / PSU/Subordinate organisation/ Local Bodies etc Projects undertaken in India, with project value greater than Rs. 1 Crore: (Maximum 5 Projects – each project will carry 1 Marks)	Request you to consider the below change for wider participation: Projects undertaken in India, with project value greater than Rs. 1 Crore: 2.5 Marks for each eligible Project (2 Projects)	As per RFP
100.		39	2.2. Technical Qualification Marking point No 12 Resume of all key technical resources	Request you to relax this clause to Project Manager and Lead resources instead of all the resources:	Accepted. Only in respect of the Project Manager and Lead resources, the conditions / restrictions shall apply.

			<p>proposed for the assignment-</p> <p>Project Manager- Min1 Nos Digitization Lead- Min 1 Nos Digitization executives- Min 8 Nos Survey resources- Min 5 Nos</p> <p>All resources i) preferably be directly on bidder's payroll; ii) should be graduates B.E/B.Tech/B. Com/ B. Sc etc.; and iii) should have Min 3 years' experience in maps/layouts digitisation with relevant project execution experience.</p> <p>Note: Manpower proposed is only minimum resources required. Bidder to propose additional manpower as per requirement.</p> <p>Resources cannot be changed without written permission.</p>	<p>Resume of all key technical resources proposed for the assignment-</p> <p>Project Manager- Min1 Nos Digitization Lead- Min 1 Nos Digitization executives- Min 8 Nos Survey resources- Min 5 Nos</p> <p>Project Manager and Leads resources: i) preferably be directly on bidder's payroll; ii) should be graduates B.E/B.Tech/B. Com/ B. Sc etc.; and iii) should have Min 3 years' experience in maps/layouts digitisation with relevant project execution experience.</p> <p>Note: Manpower proposed is only minimum resources required. Bidder to propose additional manpower as per requirement.</p> <p>Resources cannot be changed without written permission.</p>	Please see Appendix-A.
101.		19	<p>Functional Requirement point No 5 Bidder will do the DGPS Coordinate collection from ground control point (GCP) for Image Georeferencing. The layers of Plot and Infrastructure will be digitized and georeferenced based on the coordinate collections.</p>	<p>We understand that known GCP (Sol GCP) shall be provided by DDA</p>	<p>In respect of Satellite imagery, GCP will be provided by DDA. In case of LOP, all GCP are to be collected on ground by the vendor.</p>
102.		19	<p>Point No 3a Digitization & Geo-referencing of DDA's Property/Land spread in an area of about 400 SQ.KM & display on GIS System;</p>	<p>DDA area spread over 400 sqkms is divided into 900 maps ? Please confirm</p> <p>If 900 maps are not part of 400 sq km area , How many GCP collection points are required, kindly clarify?</p>	<p>Yes</p> <p>900 LOPs are spread over approx 400-500 sqkms.</p>
103.		19	<p>Functional Requirement point No 5 Bidder will do the DGPS Coordinate collection from ground control point (GCP) for Image Georeferencing. The layers of Plot and Infrastructure will be digitized and georeferenced based on the coordinate collections.</p>	<p>Please specify no of GCP points required for entire area or the interval of GCP collection proposed (Every 2 km or 4 km one point).</p>	<p>In respect of Satellite imagery, GCP will be provided by DDA. In case of LOP, all GCP are to be collected on ground by the vendor. The number of GCP will depend upon shape / size of LOP.</p>
104.			<p>General</p>	<p>We understand satellite image shall be provided by DDA. Please confirm If bidder has to procure what should be the GSD?</p>	<p>Yes, if needed.</p>
Agency#9					
105.		Page no 37, Sr. No. 2	<p>Technical Evaluation Marking,</p>	<p>Additional Marking net-worth are not justifiable. Maximum Marks should be considered on positive net worth.</p>	<p>Agreed Deleted.</p>
106.		Page no 38, Sr. No. 6	<p>Technical Evaluation Marking</p>	<p>Marking criteria given based on No of layout</p>	<p>Some changes have been made. Please refer to</p>

				or SQ KM Condition should not be based on the No of Layouts or Sq. KM. Request you to please amend this condition.	Appendix A.	
Agency#10						
107.		Page Page 10	2	General Instructions and Terms & Conditions		
108.				<p>Tenderers are required to deposit E-Tender Annual Charges Rs. 20,000 and EMD amounting INR 9,00,000 (INR Nine Lakhs only) through separate transactions with RTGS/NEFT in the account of Sr. A.O. Cash Main, D.D.A having account No. 1014042405 with Central Bank of India, Vikas Sadan, I.N.A. branch, New Delhi (IFSC Code CBIN0282695). The unique transaction reference of RTGS/NEFT shall have to be uploaded by the prescribed date. The Dy. Director (Systems) will get EMD verified from Sr. A.O Cash Main on the unique transaction reference number against each RTGS/NEFT payment before the tenders are opened. Tenders not accompanied with EMD shall not be considered. Exemption for Micro, Small & Medium Enterprises</p> <p>57. If a bidder falls under the Micro, Small & Medium Enterprises Development Act, 2006, then a copy of the registration certificate must be provided to Purchaser. Further, the bidder must keep the Purchaser informed of any change in the status of the company.</p> <p>58. Following facilities have been extended to the SSI units registered with NSIC:</p> <p>a. Issue of tender sets free of cost. b. Exemption from payment of Earnest Money to the extent of 50 per Cent (50%) of the EMD asked for.</p>	<ul style="list-style-type: none"> · Our Company is registered under Single Point Registration Scheme of NSIC are eligible to get benefits under Public Procurement Policy for Micro & Small Enterprises (MSEs) order 2012 as notified by the Government of India, Ministry of Micro Small & Medium Enterprises, New Delhi vide Gazette Notification dated 23.03.2012: • Issue of the Tender Sets free of Cost • Exemption from payment of Earnest Money Deposit · Please confirm our EMD & bid processing Fee (tender fee) exemption. As per the NIT we are requesting you to accept 100% EMD exemption. 	As per RFP
109.				Mode of Tender submission	<ul style="list-style-type: none"> · Please confirm whether only online tender submission is there, or we need to give hardcopy also. • We are requesting for only online submission of the documents. Original EMD & copy of the NSIC certificate can be given in offline. Please confirm 	Only On-line
110.		Page 16		Security Audit of Software and Website & Web Site Development and Quality Certification	<ul style="list-style-type: none"> · Who will provide the cost for Security audit? If agency must provide that, there are no line item in the BOQ. • We are requesting you that Authority would take the responsibility to give the cost for 	To be included in development fee.
				79. The selected Bidder shall undertake appropriate Cyber Security Audit of the		

			<p>Portal/Website and the associated application software through the empaneled agencies of CERT-IN of the Government of India, before "go-live" stage, and shall ensure that all uploaded digitized Layout Plans / Zonal Plans are not replacable with other Layout Plans / Zonal Plans respectively.</p> <p>Web Site Development and Quality Certification</p> <p>80. Development, Deployment and Maintenance of Web-portal (Internet and Intranet) which provides both informational and transactional facilities to Customers, meeting the Guidelines of Indian Government Websites (http://web.guidelines.gov.in), including Website Quality Certification by STQC of Government of India.</p>	<p>security audit directly to the security audit vendor as the cost of the security audit is not fixed and depends upon the complexity of the application and can't be defined from the beginning. You can take it as " the payment will be made at actual after the bill received from the security audit company". Please confirm the matter</p>	
111.	Page 19	<p>Scope of the Work</p> <p>Digitization & Geo-referencing of DDA's Property/Land spread in an area of about 400 SQ.KM & display on GIS System;</p> <p>Digitization of about 900 Layout Pland and Zonal plans, undertaking ground truthing and super Imposition of Layout plans and Zonal plans etc., over GIS Mapping;</p>	<p>1. As per the RFP GCP needs to be collected for geo-referencing. How many GCP needs to be collected per square km. please mention.</p> <p>2. As per the RFP, we have under stood that 900 plant layout maps need to be digitized. As per the scope, Land Management system we need to develop. Please clarify whether we need to do the Cadastral Sheet mapping or not. If yes, please provide how many cadastral sheets we need to stitched, geo-referenced & digitized.</p> <p>3. Are those cadastral maps are available with the department? We have understood that all the maps (hard copy/soft copy). Purchasing of maps & land data is out of scope. Please confirm.</p>	<p>In respect of Satellite imagery, GCP will be provided by DDA. In case of LOP, all GCP are to be collected on ground by the vendor. The number of GCP will depend upon shape / size of LOP. The Scope of the project is to develop master directory of the Land parcels and not land management system. Land management system is being developed separately. The vendor needs to interface with the said Land Management Application to fetch and display the attributes related to each plots in question. No Cadastral (revenue) maps are to be digitised. Only LOPs are to be digitised and georeferenced. scan copies of LOPs are available on DDA website.</p>	
112.	Page 20	<p>c. Implementation of GIS: After Geo Referencing and Shape file generation, Bidder will do the GIS mapping of Boundaries, Property layer, infrastructure layers on GIS System. Zone/Ward information along with Land Use details provided by DDA will be mapped on GIS System. The following activities will be done under GIS implementation: -</p> <ul style="list-style-type: none"> • Mapping of State Boundary • Mapping of Districts Boundary • Mapping of Zone Boundary • Mapping of Ward Boundary • Mapping of Property Layer • Prepare of GIS Database • Preparation of Land Use Database <p>(To draw inputs from DSSDI Data Sets, as M/s Geospatial Delhi Limited (GSDL) is a provider of Information Technology</p>	<p>· In which format the administrative boundary & other land use layers will be provided by DDA? (CAD/shape file / hard copy / soft copy image) please mention.</p> <p>· What is the scope of the work with the company "M/s Geospatial Delhi Limited (GSDL)"? Please clarify.</p>	<p>GSDL will provide shape files of all such boundaries. The scope of work with GSDL is to import all such shape files from GSDL and overlay in our GIS system.</p>	

			Enabled Services (ITES) and solutions for Govt. Departments in Utilities, Social, Environment, Land & Property, Demographic, Emergency and Transport segments for better governance: http://gsdl.org.in		
113.	Page 35	2.1. Pre-Qualification (PQ) Eligibility Criteria The Tenderer shall have experience of executing Turnkey GIS based IT Project over multiple location in India for Government or its Autonomous / PSU / Subordinate organisation / Local Bodies etc.) as System Integrator - Total Solution provider - for Design, Development and implementation of GIS System Software, Digitization, Ground Truthing and Superimposition of Layout plans, Zonal Plans etc." (implementation of GIS based & Integrated Property and Land Parcel based Management System, completed and operational) and should have executed / operationalised relevant projects in last 5 Years (FY	We are requesting you to accept either of the following: 1. As you have asked for total solution including Map development & application development (which is different types of work), we are requesting you to accept ongoing project. 2. We are also requesting you to accept different work order for different scope. "Any GIS mapping Project, with Digitization Survey & Any web GIS Project". 3. We would like to participate in this tender and we are requesting you to accept this and do the necessary changes for greater number of participations.	Both in PQ and TO, "projects should have been completed within 5 years as on "bid submission date" instead of "31st Mar 2018" wherever it occurs in the documents related to Project experiences. Please see Appendix-A.	
114.	Page 36	The Tenderer must have minimum 25 Technically Qualified Human Resources in GIS Technology and at least at least 200 full time resources on our permanent pay roll in India as on 31st March for this project. Appropriate Certifications are necessary for the top Ten Resources handling different Areas of Projects.	We would request you to reduce the number of full-time resources to 100. Or accept contractual employees for greater number of participations	Accepted : as "The Tenderer (Sole Bidder/ Lead Member (in case of Consortium)) must have minimum 50 Technically Qualified Human Resources, and the Tenderer (Sole Bidder/ Consortium) with at least 25 technically qualified Human Resources in GIS Technology, as on Bid Submission Date, available with the firm." Please see Appendix-A.	
115.	Page 37	Technical Evaluation Marking (Bidder has to score 60% or above in each Categories A., B., and C., and final score (Categories A., B., C., and D.) shall be >= 80 Marks out of 100 to qualify for Financial bid opening. Even if one Resource Person's Profile (provided) does not meet the specified Profile Requirements, the Bidder will not be considered for Financial Bid	We are requesting you to amend the clause for final marking to be >= 70 or 60 for a greater number of participations.	Agreed. This is modified as : "Annexure-2: Clause 2.2 (iii.) Technical evaluation of bids will be based on the criteria given in Clause 2.2 (iv) below. The bid proposal should strictly be in line with the formats provided in (Annexure-5). The applicant must respond to all the technical evaluation criteria, and obtain a minimum of 70 marks (or above) to qualify for financial bid opening. Annexure-2: 2 (iv) Criteria for Technical Evaluation : Modified as: (iv) Technical Evaluation Marking (Bidder has to score 60% or above in each Categories A., B., C. and D., and final score (Categories A., B., C., and D.) shall be >= 70 Marks out of 100 to qualify for Financial bid opening. Even if one Resource Person's Profile (provided) does not meet the specified Profile Requirements, the Bidder will not be considered for Financial Bid Opening.)	

					Please see Appendix-A.
116.		Page 38	<p>B. Relevant Strengths (25)</p> <p>Prior experience in Development Authority/Housing Board / Urban Local Bodies / Municipalities/Government for layout superimposition, ground truthing and Digitisation on Basemap, in India completed in past 5 financial years.</p> <p>Projects undertaken in India, of each value >= INR 50 Lakhs.</p> <p>1. >=3 Projects : 10 Marks; 2. 2 Projects: 5 Marks; 3. 1 Project: 3 Marks;</p>	<p>We have understood that, similar nature of GIS mapping project like project under RAPDRP/Mapping of the Forest Boundary, Cadastral Mapping, DGPS survey/ utility network mapping with base map development project will be accepted. Please confirm.</p> <ul style="list-style-type: none"> We are requesting you to accept ongoing projects. Kindly confirm We are also requesting you to accept the orders for Large Corporates / Public Limited organization. We are also requesting you to accept the work order of the last 10 years or at least 8 years as the large scale GIS projects has been executed in 2008 to 2014. 	Please see relevant changes in Appendix A. Projects completed in respect of Large Corporations are also accepted.
117.		Page 38	<p>Prior experience in execution of single project with digitisation of more than 500 layouts or 500 Sq.KM of area in one Indian city completed in past 5 financial years. Projects undertaken in India</p> <p>1. Single project >1000 layout plans or > 1200 Sq.KM: 10 Marks 2. Single project >700 layout plans or > 800 Sq.KM: 8 Marks 3. Single project >500 layout Plans or > 500 Sq.KM: 5 Marks</p>	<p>As per the RFP, the work is related to GIS mapping through ground truthing, DGPS Survey & Digitization of Maps. We are requesting you to accept this similar nature of work. Please confirm.</p> <ul style="list-style-type: none"> We are also requesting you to reduce the minimum area to 350 sq. km. as the current work is of 400 sq. km. We are also requesting you to accept the work order of the last 10 years or at least 8 years as the large-scale GIS projects has been executed in 2008 to 2014. We are also requesting you to accept the orders for Large Corporates / Public Limited organization 	Please see relevant changes in Appendix A. Projects completed in respect of Large Corporations are also accepted.
118.		Page 38	<p>Past Experience in implementation of GIS based & Integrated Property and Land Parcel based Management System, completed and operational during the last 5 financial years for Government or its Autonomous / PSU/Subordinate organisation/ Local Bodies etc.</p> <p>Projects undertaken in India, with project value greater than Rs. 1 Crore: (Maximum 5 Projects – each project will carry 1 Marks)</p>	<p>As per the RFP, the scope is to develop a web-based GIS application and there are different existing application needs to be integrated. So, we are requesting you to accept any Web GIS application development project. Kindly confirm.</p> <p>Also kindly confirm do we need to have 5 projects with value of 1 crore or 5 projects with a cumulative value of 1 crore. Please confirm.</p> <p>We are also requesting you to accept the work order of the last 10 years or at least 8 years as the large-scale GIS projects has been executed in 2008 to 2014.</p> <p>We are also requesting you to accept the orders for Large Corporates / Public Limited organization</p>	Please see relevant changes in Appendix A. Projects completed in respect of Large Corporations are also accepted.
119.		Page 38-39	<p>C. Solution Proposed, Approach and Methodology (35)</p>	<p>The marks here are 35, which is based on qualitative aspects Only. Which is in a higher side. During the evaluation, the scoring is highly depending on the perception of the</p>	Please see relevant changes in Appendix A.

				authority who will give the marks as per the criteria mentioned. We are requesting you to reduce the marks to 15/20 and add marks on quantitative aspects Like Number of having DGPS instruments, Number of having GIS Software etc. which is a part of the scope of the work also. Requesting you to have a look into this matter.	
120.			General	We have understood that any type of mobile app development is out of scope. Kindly confirm	No. Mobile App is to be developed. Please see replies given elsewhere in this document as well.

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121.		Page no 35, Sr. No. 8: -	Clause 2.1 Pre-Qualification (PQ) Eligibility Criteria	Relaxation should be given on CMMI Certification. It should be ISO or CMMI.	Accepted. Please refer to Appendix A.
122.		Page No 21, Sr. no 9: -	Clause 2.1 Pre-Qualification (PQ) Eligibility Criteria	Eligibility and evaluation conditions in the given format are skewed in favour of developer companies and companies already in possession of suitable products will not be able to get fair attention – which is also not in the overall interest of project and organizational objectives.	Please refer to Appendix A
123.		Page no 35, Sr. No. 10: -	Clause 2.1 Pre-Qualification (PQ) Eligibility Criteria	Average Turnover as proposed shall favour certain vendors in an undue manner and will definitely be constraining organizations that are classified Start-ups and/or MSME under various guidelines of Government of India. As per MSME Guideline, Average Annual Turnover should be 30% of estimated cost.	As per RFP.
124.		Page no 35, Sr. No. 11: -	Clause 2.1 Pre-Qualification (PQ) Eligibility Criteria	Project cost for executed projects are not justifiable. Please remove the project value condition.	As per RFP.
125.		Page No 36, Sr. no 14:-	Clause 2.1 Pre-Qualification (PQ) Eligibility Criteria	Even though the requirement for resources in the Tender No. F3(52)/2019/Sys-“Selection of Agency for Development of Web based Portal to display about 900 Maps after Digitization, Ground Truthing and Superimposition of Layout Plans, Zonal Plans etc, and integrating with related Land and Property Information System of DDA” is 28 (Twenty Eight) only, the eligibility criteria has been kept as 200 resources on bidder company payroll. It appears to be favorable for certain type of bidding companies only and restraining companies defined under Start up and MSME programs of Government of India. Please make it in range of 30-40 Resources on Bidder Payroll	Accepted : as “The Tenderer (sole Bidder/ Lead Member (in case of Consortium)) must have minimum 100 Technically Qualified Human Resources, and the Tenderer (Sole Bidder/Consortium) with atleast 25 technically qualified Human Resources in GIS Technology, <u>as on Bid Submission Date</u> , available with the firm. ” Please see Appendix-A.
126.		Page no 37, Sr. No. 1, 2 & 5: -	Technical Evaluation Marking	Additional Marking for higher turnover, net-worth, project value is not justifiable. Please remove marking criteria for turnover & net worth. Marks should be considered based on Project Experience.	Marking for Net-worth deleted. Please refer Appendix A.
127.		Page no 38, Sr. No. 6: -	Technical Evaluation Marking	Marks should be considered based on GIS	As per RFP.

				Project Experience not on layout digitized.	
128.				What base will be used for geo-referenced LOPs?	No Base is required for geo-referencing LOP
				Will DDA provide Updated LOPs in all respect ?	DDA will provide LOPs approved by competent authorities. They are more or less static document.
				Will DDA provide the Land Bank details ?	Yes. The Land Management application will be providing attributes in respect of land plots.
				What type of Disaster Recovery Plan is required for GIS System, please share the details?	Vendor will have to advise the DDA about the business continuity plan. Disaster Management will be managed by the Data Center.
				We also have the following general queries related to the tender published: Exemptions for MSME and Start-up are not in line with Government of India guidelines.	As per RFP.

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129.				You are requested to consider & change the marking & few PQ's conditions in line of the recent guidelines of GOI applicable to all Central Government Organization .	
130.				1. Either ISO or CMMi certification since rarely any company will have both such certificates .Latest audit certificate should also be asked along with the ISO or CMMi certification	Please Refer Appendix A
131.				2. Turnover & experience criteria value should not be more than 1/3 rd of estimated cost (CVC Guidelines)	As per RFP. Please refer Appendix A.
132.				3. Once Pre-qualification criteria is met than no marks should be kept for additional turn over, experience etc for better competition & equality	As per Appendix A.
133.				4. As per the GOI guidelines for Start-up /MSME tender fee and Earnest Money is exempted . Request to include this exemption in RFQ /Tender .If these guidelines are not available with DDA than we can send same to DDA .	As per RFP
134.				5. In Technical marking scheme no of layouts or KM criteria should not be kept , but should be based on No of order executed for similar work	As per Appendix A.
				Clarification about Scope of Work :	
135.				1. Integration requirement is not properly defined , Request to share complete requirement for Integration	Integration requirement is of import / export of data from / to other applications as mentioned in the RFP.
136.				2. Lay out plan is the responsibility of DDA . What is the status of layout plan and pl confirm that layout are updated as on day .Project start & completion data will be depending on the availability of updated layout plan	DDA will provide LOPs approved by competent authorities. They are more or less static document. Scan copy are available on website

137.				3. In compliance sheet Page No 42 some of the features of " Arc GIS/ESRI are asked. request to clarify	In their Terms of Condition, the clause 23 (DDA CMS RFP Compliance (GIS Interventions)) is modified as : "23. It is desired from the bidder that GIS system developed under this project, should be compatible with features of DDA CMS RFP GIS Interventions in the format given in Annexure-4." However if the feature does not comply, even then the bid shall not be rejected. The Annexure 4 will be part of Technical Evaluation". Please see Appendix-A.
138.				4. Request to clarify the base map in which GIS system will run	As per our understanding no base map is required. However, if needed DDA will provide georeferenced satellite image

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139.		Page No. 2	General Instructions and Terms & Conditions Tenderers are required to deposit EMD amounting INR 9,00,000 through separate transactions with RTGS/NEFT	We request EMD in the form of Ba* Guarantee is allowed. Kindly confirm	As per RFP
140.		Page No. 9	clause 54 Intellectual Property rights	In case of deployment of CoTs product. we believe that CoTs product as recommended by bidder, will be procured by DDA directly from COTS OEM. Kindly confirm	Part of the Scope. Bidder has to include in Financial Bid (Development Fee). Please see Appendix-A.

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141.	1	20	Functional Requirement Clause 5c: Implementation of GIS (To draw inputs from DSSDI Data Sets, as M/s Geospatial Delhi Limited (GSDL) is a provider of Information Technology Enabled Services (ITES) and solutions for Govt. Departments in Utilities, Social, Environment, Land & Property, Demographic, Emergency and Transport segments for better governance: http://gsdl.org.in)	Request to clarify the requirement specified in this clause	GIS Portal System requires to seamlessly integrate with the similar GIS Systems available with GSDL, NIC etc., for data access through relevant GIS Data stores (Data sets). To be detailed during SRS Stage.
142.	2	21	Functional Requirement	We understand that each of these are individual systems existing or being developed at DDA and as part of current development process, these external systems have to be integrated with the proposed GIS Portal. Please confirm/clarify	Yes. Seamless Integration is to be achieved. At SRS stage, further details will be made available to the selected Bidder.
143.	3		Clause 5f: System Integration: System should have the capability to integrate with following:	We understand that each of these are individual systems existing or being developed at DDA and as part of current development process, these external systems have to be integrated with the proposed GIS Portal. Please confirm/clarify	Yes
			· Integration with Land and Property Information System · Integration with Online Payment System		Yes Yes
			· Integration with Grievance Redressal System Integration with Feedback module...	With respect to integration with all the external existing/being developed systems, specified in this tender, we understand the following · Integration/data sharing services will have to be implemented at either end	Yes
			· Data of individual system will reside in	Yes	

				respective systems, only linking/sharing of data will be done using integration/data sharing services	
				· System integrators for respective system will be responsible for implementing such services at their end	Yes
				Please confirm	Confirmed
144.	4	24	Functional Requirement Clause 17: Others related Requirements F. Security Audit Clearances G. GIGW Compliance Certificate	We understand that the cost of these certifications has to be included in the development component Please confirm	Yes
145.	5	25	Clause 20: Technology Platforms The GIS system will be used in this system is an Open Technology GIS Tools and low cost. The MAPs will be created using tools like AutoCAD, QGIS (www.qgis.org), MapWindow GIS (www.mapwindow.org), SAGA GIS (www.sagagis.org) and others	We understand that the Bidder is free to choose the GIS platform, which will be low cost/open source, and may not be necessarily the ones as specified in this clause Please confirm	This list is a suggestive list. Bidder is free to choose cost-effective, Open Technology & Open Geospatial Consortium Standards based GIS Tools, professionally and dominantly used in the Urban Development Sector.
146.	6	40	Clause 2.3: Financial Bid Evaluation Point ii Component A Development Fee* (Design, Development and implementation of GIS System: Web Portal, Mobile Application , Software,....	Request to specify the functionalities/ tools etc. to be provided via the proposed mobile application	Functional Requirement is to access the proposed GIS Portal through Mobile Applications developed on Google's Android and / or Apple's iOS - operating systems used primarily in mobile technology, such as smartphones and tablets.
147.	7	45	Annexure-4 Compliance with DDA-GIS Functional requirement <u>GIS Data Management GIS_22</u> · System shall build a controlled Master GIS Data Repository of approved spatial Data System shall establish a "Data Governance Process" as per the NSDI Guidelines of GOI/DDA etc., for data provided by agencies and other Departments before it gets uploaded....	Request to clarify the following · What is the master directory specified here? · What different sets of data will be uploaded onto this directory? · Who will be uploading these datasets? What is the role of this master directory in the existing project development	The database of land plots / parcels Attributes relating to each plots Digitisation of LOP will generate data. Further integration / interface with other applications of DDA will provide other attributes It creates a unique and complete database of plots of land in delhi.
148.	8	45	Annexure-4 Compliance with DDA-GIS Functional requirement <u>Web GIS Portal GIS_23</u> System shall allow easy configuration to suit special interest group's applications without requiring any customization or additional coding;	We understand that the requirement here is to provided Role based access to the proposed GIS Web Portal Please confirm.	Requirement is "both role based Intranet Access and Public access through Internet". Yes
149.	9	47	Annexure-4	Please clarify the following:	

			DDA-GIS Functional Specifications Point 10 GPS data/Personal Tracking/UAV integration capability with Synchronization from the field	<ul style="list-style-type: none"> What is the requirement envisaged in this clause? What is the role of this functionality with respect to the proposed GIS Web Portal system? 	System should be open / capable enough to be able to take inputs such as these. Please see reply to similar query above
150.	10	48	Annexure-4 DDA-GIS Functional Specifications Point 29: Data store catalog connectors Product and national libraries	<p>Please clarify the following:</p> <ul style="list-style-type: none"> What is the national library required here in this clause? <p>What is the role of this with respect to the proposed GIS Web Portal system?</p>	GIS Portal System requires to seamlessly integrate with the similar GIS Systems available with GSDL, NIC etc., for data access through relevant GIS Data stores (Data sets). To be detailed during SRS Stage. Please see reply to similar query above
151.	11	48	Annexure-4 DDA-GIS Functional Specifications Point 30: Image Server Should support standard raster formats such as DTED, DEM, Jpeg2000, JPEG, TIF, BMP, Geo Tiff, ERDAS .IMG, Intergraph .COT, GIF,PNG, NITF, ESRI Grid, CADRG, MrSID etc.	<p>Please clarify the following:</p> <ul style="list-style-type: none"> Since, as such, there is no Imagery related requirements specified for the current project, what is the role of Image Server with respect to the proposed GIS Web Portal system? <p>Also clarify how this image server will be used in the proposed system.</p>	<p>It is clarified: DDA has built up Image database - photographs (images) of DDA Land - for effective land management, through Image Server System. Image Analytics based DDS is very important.</p> <p>Please see reply to similar query above</p>
152.	12	49	Annexure-4 DDA-GIS Functional Specifications Point 44 It should provide a web publishing wizard so that registered users can publish websites without the need of programming	<p>Please clarify the following</p> <ul style="list-style-type: none"> What is the requirement envisaged in this clause? What are the tools/ functionalities to be made available in such published websites? <p>What will be the role of this functionality with respect to the proposed GIS Web Portal system?</p>	Please see reply to similar query above
153.	13	49, 50 & 52	Annexure-4 DDA-GIS Functional Specifications Point 54 Point 76: Directory Access Protocol (LDAP) Connect securely Operate the GXP Xplorer Web application over a Hypertext Transfer Manage user credentials in GXP Xplorer. Password policies are customizable Access. Control user access to data by assigning roles within GXP Xplorer.	<p>Please clarify the following</p> <ul style="list-style-type: none"> What is the requirement envisaged in these clauses with respect to GXP Xplorer? What will be the role of this functionality with respect to the proposed GIS Web Portal system? <p>Does DDA have an existing setup/license of GXP Xplorer?</p>	Please see reply to similar query above
154.	14	50	Annexure-4 DDA-GIS Functional Specifications Point 56	<p>Please clarify the following</p> <ul style="list-style-type: none"> What is the requirement envisaged in this clause? <p>What will be the role of this functionality with respect to the proposed GIS Web Portal</p>	

			Should have option to include connectors for common data streams including in-vehicle GPS Devices, mobile devices and social media providers	system?	Please see reply to similar query above
155.	15	50	Annexure-4 DDA-GIS Functional Specifications Point 59 Should have capability to automatically and simultaneously send alerts	Please clarify the following · What is the requirement envisaged in this clause? What will be the role of this functionality with respect to the proposed GIS Web Portal system?	Please see reply to similar query above
156.	16	50	Annexure-4 DDA-GIS Functional Specifications Point 67: Imagery Terrain LiDAR... Structured and unstructured data types	Please clarify the following · What is the requirement envisaged in this clause? Where does DDA foresee the use of these datasets in the current project?	Please see reply to similar query above
157.	17	50	Annexure-4 DDA-GIS Functional Specifications Point 68: Change detection Listens for file system changes in all selected directories	Please clarify the following · What is the requirement envisaged in this clause? What will be the role of this functionality with respect to the proposed GIS Web Portal system?	
158.	18	51	Annexure-4 DDA-GIS Functional Specifications Point 71: Visualize results Selectable map such as Google Maps, or any Web Map Service (WMS)	Does DDA want integration of GIS Portal with Google Maps? Also Google Maps may require license for commercial use. Please confirm.	Please see reply to similar query above
159.	19/51	Annexure-4 DDA-GIS Functional Specifications Point 72: Data Processing	Convert data to selected formats before download, Chip an image into its native format or into PowerPoint® in JPEG format. Generate image RSETs	Please clarify the following · What is the requirement envisaged in this clause? · What will be the role of this functionality with respect to the proposed GIS Web Portal system?	Please see reply to similar query above
160.	20	Section –21	The successful Bidder, for due and faithful performance of its obligations and as a pre-condition for signing of Advisory Agreement with DDA, shall be required to submit a demand draft of the amount equivalent to 5% of the tendered cost of the work (Total Fee as given in Financial Bid) as Security Deposit after adjusting the earnest money and shall also furnish a Bank Guarantee of the amount equivalent to 10% of the tendered cost of the work (Total Fee as given in Financial Bid) as Performance Bank Guarantee	As is a general practise by all the Central / State Government and PSU organisations, the total Security Deposit shall be 10% of the Total Contract Value and is accepted in the form of Bank Guarantee (BG).	As per RFP. It is further clarified that "PG for Development Component need to be submitted initially. PG for O&M phase to be submitted just before commencement of O&M phase. However, PBG for Development Fee will be released only after the PBG for O&M Phase is submitted to DDA and accepted by DDA."
		General Instructions and		In the present tender, total Security Deposit is	

		Terms & Conditions		15% (5% in the form of DD and 10% in the form of BG).	
		Clause 1.0	Security Deposit and Performance Bank Guarantee	Request DDA to consider Security Deposit of only 10% of the Total Contract Value in the form of BG.	
161.	21/18	Annexure-1- Scope of the Work	Development and operationalisation of Web based Portal to display and location wise Search criteria for about 900 Maps through Digitization, Ground Truthing and Superimposition of Layout Plans, Zonal Plans etc., for facilitating Ease of Doing Business	Please share some sample data to understand the data model. So that all the bidders will have a common understanding about the data which is actually need to integrate with this portal.	Scanned maps are available on DDA website
162.	22/19	Functional Requirement Clause 5a	Coordinate Collection, Digitization and Geo referencing of Layout and Zonal Plans (Maps)	Successful Bidder needs to develop a Web based portal. Digitization of the maps, geo-referencing, etc, are not under the scope of the work. Please clarify.	Digitisation of LOPs are in the scope of this project. Master Plan & Zonal plan data will be provided by DDA (shape files). No georeferencing required in respect of Masterplan and Zonal plan.
163.	23/19	Functional Requirement Clause 5c	(To draw inputs from DSSDI Data Sets, as M/s Geospatial Delhi Limited (GSDL) is a provider of Information Technology Enabled Services (ITES) and solutions for Govt. Departments in Utilities, Social, Environment, Land &Property, Demographic, Emergency and Transport	Successful Bidder will use GSDL data for Govt. Departments in utilities..... etc. Successful Bidder is not required to update Utilities, Social, Environment, Land &Property, Demographic, Emergency and Transport data. Please confirm	Yes
164.	24/37	Annexure-II Clause 2.2 iv: Technical Evaluation Marking Point A: Bidder's Profile (25)	Certification and Credentials (valid on the date of submission of bid) ISO 9001: 2015 or latest; and SEI-CMMIL3 Certification or Above ISO9001:2015& SEICMMiL-5: 5 Marks ISO9001:2015&SEI-CMMIL 3: 2 Marks	DDA is requested to allot full 5 marks for ISO 9001:2015 & SEI-CMMiL 3 as there are a very few companies in India who are doing GIS survey and also SEI-CMMIL 5 certified.	Please see amendments / corrections made in Appendix A
165.	25/22	Annexure-I:Scope of Work Clause 9: DGPS Coordinate Collections from ground control point (GCP) Methodology	Bidder will mobilize the team into the field to take ground control point (GCP) for Image Geo-referencing	Procuring image is not part of the scope of work, DDA will provide image to the Successful Bidder. Please confirm.	Yes. The Satellite image will be geo-references with GCPs
166.	26/24	Annexure-I:Scope of Work Clause15: Trainings	Bidder will organize training of 7 Days to the core Group of DDA at Vikas sadan	DDA is requested to clarify the size of training core group members.	Capacity building of DDA officials: Bidder will be responsible to conduct 3 workshops (2-day duration each with hands on experience) to sensitize around 100 identified (relevant) DDA officials to the features, use cases and applications of the portal. Training for operating the portal, data entry and verification, preparation of reports, system maintenance and upgrading and basic trouble shooting will be provided to 20 DDA personnel through on-the-job and classroom training methods, by providing required training

					materials for capacity building and competency development on the LOP GIS Portal developed under this Contract. During O&M Phase too, Capacity Building of DDA officials are required to be provided to facilitate operational continuity of the Portal.
167.	27/25	Annexure-I Scope of Work Clause 21: Responsibilities - DDA	DDA will provide the Soft as well as hardcopy of required Layout and Zonal plan.	DDA is requested to provide sample layout plan for bidding process to understand the geographical link and other object which is to be captured during project.	Available on DDA website
168.	28/40	Annexure-II Eligibility and Evaluation Criteria Clause 2.3: Financial Bid Evaluation	The combined value of these bid parameters will be considered for financial bid evaluation. Thus, financial bid (F) of an applicant will be given as: $F = A + 400 * B + 3 * C$ Where 400 is 400 Sq.Kms and 3 is 3 Years.	DDA is requested to confirm how many year O&M fees need to provide price by bidder? As it is mentioned in RFP: Annual O&M Fee* (After Development Phase Exit) for 1 Year” Where as in the calculation, it is said 3 years.	Per year O&M Fee to be quoted the O&M Fee rate to be valid for 3 years
169.	29/16	General Instructions and Terms & Conditions	The selected Bidder shall undertake appropriate Cyber Security Audit of the Portal/Website and the associated application software through the empanelled agencies of CERT-IN of the Government of India, before “go-live” stage, and shall ensure that all uploaded digitized Layout Plans / Zonal Plans are not replicable with other Layout Plans / Zonal Plans respectively.	It is understood Cyber Security Audit cost will be borne by DDA.	It will be borne by vendor
170.	30/19	Functional Requirement	Coordinate Collection, Digitization and Geo referencing of Layout and Zonal Plans	DDA is requested to take DGPS ownership certificates in Pre-Qualification (PQ) Eligibility Criteria. As activities with DGPS instruments is the functional requirement.	Please see amendments / corrections made in Appendix A
171.	31	-	JV/Association	JV/Association allowed or not?	Consortium is allowed. Please see Appendix-A.
172.	32	-	General	Client is Request to kindly consider and provide atleast two weeks time for bid submission from the date of issue of clarifications.	Accepted. Last date for submission of bid Extended to 19th April 2019