

**Subject:-** Reply of the Pre-bid meeting held on 28.03.2019 regarding "Consultancy services for carrying out Hydraulic Modeling and Preparation of Detailed Project Report (DPR) for Creation of DMAs and ultimately reduction of NRW for improvement in consumer service level under the command area of primary Under Ground Reservoirs (UGRs) in Delhi"

S. No.	RFP doc./ Clause / Page No.	Description	Observation/ Request for clarification	Reply
1	Clause 1.6.3 / pg 8 of 70	After the checking of responsiveness is completed	Kindly define a responsive bid.	"Responsiveness" means fulfilling condition of documents required as mentioned in the check list under cl. 3.1.6 (Technical Proposal) refer page no. 35 of revised RFP
2	Clause no. 2.3.2 (B), s. no. 6 / pg. 13 of 70	5 yrs. Of non-destructive testing and structural assessment reports with documentary evidence...	Please define acceptable documentary evidence.	Condition deleted in amended RFP
3	Clause 2.5 / pg 17 of 70	Lowest bidder can win in two SE Circles / Packages...	Please confirm that we can propose two completely different teams for all six packages as the max. no. of packages which can be awarded to a bidder are 2.	If any of the bidder wants to bid for more than one SE circle/Package then he is required to provide details of two teams of key personnel
4	Clause 2.13 / pg 21 of 70	The proposal with all accompanying documents (the "Documents")...	Please define "Documents".	The document have been clarified in the revised RFP
5	Clause 2.15.2 / pg 23 of 70, s. no. (h)	No key personnel should have attained the age of 65 years....	Please relax the age limit to 70 years.	As per amended RFP
6	Clause 3.1.5 / pg 32 of 70	The bidder with lowest quoted rate (L1)...	We request the client to consider a QCBS evaluation system with at least a 70% weightage to the technical proposal to ensure quality of delivery, as this work involves requirement of high technical skills.	No, it is as per amended RFP

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7	Clause 2 / pg 37 of 70	..(to be called Project Area)...	Kindly provide maps of the UGR Command Areas for all package	Schematic maps have been uploaded on DJB website. If more details are required by any agency to prepare the bid, DMA cell may be contacted.
8	Clause 3.1 / pg 39 of 70	...hydraulic review of design and drawings..	Kindly clarify whether hydraulic designs are to be carried out or existing designs are to be reviewed.	As mentioned in the RFP details of available existing network will be provided alongwith pumping details for which Hydraulic modelling is to be carried out for the targeted demand in the current as well as future demands
9	Clause 3.1 / pg 39 of 70	...doing topographical survey if secondary data provided is not sufficient....	Please quantify the area to be surveyed.	As per amended RFP
10	Clause 3.1 / pg 39 of 70	...doing topographical survey if secondary data provided is not sufficient....	Please provide the existing survey data so that its sufficiency can be ascertained.	Available maps shall be provided. However, agencies have to carry out the contour maps survey to accomplish accurate hydraulic modeling. With an interval of one meter. RL of the ground survey shall be marked on GIS map & shall have to be updated in mapping cell & also as per amended RFP
11	Clause 3.1 / pg 39 of 70	Site work / excavation	We request that DJB exclude taking approvals, excavation and backfilling from the bidder's scope and get this done from department's registered contractors, as this would speed up the work.	As per amended RFP
12	Clause 3.1 / pg 39 of 70	GIS Update	We request DJB to provide *.shp files of GIS data to the bidder as this would greatly enhance the speed and accuracy of work.	Schematic maps have been uploaded on DJB website. If more details are required by any agency to prepare the bid, DMA cell may be contacted.
13	Clause 1 / pg 41 of 70	Data Collection	Request please appoint a nodal office for data collection as data will have to be collected across	The data is to be collected by the consultant for which SE (Civil) Maintenance <del>will be the</del> nodal officer

			DJB's civil, E&M and revenue wings.	in coordinating with different branches of DJB
14	Clause 3 (e) / pg 42 of 70	The network map's accuracy is the responsibility...	As GPR Survey is not in bidder's scope, the maps to be prepared will be based on secondary data available with, discussions with the staff and trial pits carried out. As such the consultant cannot be solely responsible for the accuracy of the maps.	Schematic maps have been uploaded on DJB website. If more details are required by any agency to prepare the bid, DMA cell may be contacted.
15	Clause 6 / pg 44 of 70	Temporary flow and pressure measurement	Please clearly spell out the number and locations of flow and pressure measurement. We request DJB to include this component as an item rate payment.	Wherever required for accurate calculation of NRW of Primary UGRs the firm has to install temporary flow and pressure measurement instrument in close coordination with the maintenance division, nothing extra shall be paid on this accounts
16	Clause 8 / pg 45 of 70	Random Survey	Please clearly quantify random survey in terms of no. of consumers to be surveyed in each UGR Command Area.	As per amended RFP
17	Clause 8 / pg 45 of 70	Trial pits	Please clearly quantify the no. Of trial pits to be considered in the financial bid for each UGR Command Area. E.g. for Package 5, the length of network as per RFP is 822 km. Should the no. Of trial pits be ....	Deleted in amended RFP
18	Clause 8 / pg 45 of 70	GIS tagged revenue data shall be provided by DJB.	Please provide the format in which the data will be provided by DJB and include a sample data in the RFP.	As per amended RFP
19	Clause 9 / pg 45 of 70	Checking / verification of meter reading data....	Please quantify the meter readings to be verified. Are the readings to be verified in each billing cycle for	As per amended RFP

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			15 months contract period?	
20	Clause 9 / pg 45 of 70	Checking / verification of meter reading data....	Please also clearly spell out the procedure to be followed for verification of meter readings as an exact verification will mean the consultant will have to take readings simultaneous with the meter reader.	As per amended RFP
21	Clause 9 / pg 45 of 70	Checking / verification of meter reading data....	We also request DJB to depute an officer to liaison with the local staff and consumers as consumers may not allow access to consultant's staff.	As per amended RFP
22	Clause 9 / pg 45 of 70	Checking / verification of meter reading data....	Please clarify how average billing will be confirmed.	Deleted in amended RFP
23	Clause 10 / pg 45 of 70	DMA boundary marking..	Please confirm that water will be available in sufficient quantity and pressure at the inlet of each DMA for NRW measurement.	As per amended RFP
24	Clause 10 / pg 45 of 70	DMA boundary marking.	Please confirm that the valves will be installed by another agency and the consultant will only be responsible for taking flow and pressure readings.	Clarified in item no 7 page no. 44 in revised RFP
25	Clause 10 / pg 45 of 70	DMA boundary marking..	Please confirm if PZT is to be carried out to confirm that DMA is hydraulically isolated.	Deleted in amended RFP
26	Clause 10 / pg 45 of 70	DMA boundary marking.	As at present the distribution system is interlinked throughout the UGR Command Area and even across UGR Command Areas, please confirm that any disturbance in supply regime caused by temporary formation of DMAs will not be the	As per amended RFP

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			responsibility of the consultant.	
27	Clause 11 / pg 45 of 70	Water Audit	100% consumer survey of the entire area will be required to find details of unauthorized connections. Please confirm.	Clarified at item no. 9 page 46 of amended RFP
28	Clause 11 / pg 45 of 70	Water Audit	Please confirm if the cost of water is to be calculated.	As per amended RFP
29	Clause 12 / pg 46 of 70	Formation of DMAs	Please confirm that the consultant will only design the DMAs and actual formation on ground will be carried out by another agency.	As per amended RFP
30	Clause 14 / pg 46 of 70	Collection of volumetric consumption data	To submit a monthly report of unauthorized water connections, defective water meters, the sanctioned connections having no water meter etc. will require a 100% consumer survey every month for 15 months. Please confirm that this is required and the cost of such an exercise should be considered in the financial bid.	As per amended RFP
31	Clause 14 / pg 46 of 70	..to assess the NRW on two month basis...	The flow measurement requirement is for one time measurement for 48 hrs. Please clarify how this will translate into an NRW calculation on two month basis.	As per amended RFP
32	Clause 15 / pg 46 of 70	Verifying the reading of flow meters..	Please confirm that calibration of existing bulk flow meters at site is not in scope.	Deleted in amended RFP
33	Clause 15 / pg 46 of 70	Verifying the reading of flow meters..	Please confirm that calibration of existing domestic flow meters at site is not in scope.	Deleted in amended RFP

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34	Clause 15 / pg 46 of 70	Hydraulic modelling	Hydraulic modelling would be useful only when done for the complete UGR Command Area. Please confirm that hydraulic modelling is to be carried out only for DMAs with NRW > 15%.	As per amended RFP
35		Site work/Excavation: Required excavation for verification pits etc. for verifying network details, fixing temporary flow and pressure meters etc. etc. shall be carried out by the agency however its proper backfilling and restoration works shall be done by DJB staff/DJB hired contractor. Consultant should provide necessary excavation location plan 14 days in advance as and when required during the project.	Excavation should be done by DJB as there are many formalities are required for permission etc. Also DJB staff knows about the pipe location, if agency will execute the excavation than there are chances of damage and it will cost to DJB for repair work	Consultant will carry out all activities like excavation, fixing of flow and pressure meter, including restoration of pipe back filling, etc. in coordination with concerned field staff of DJB & also as per amended RFP
36		GIS Update: Maintaining centralized updated database has been considered a key activity for this project. The network data provided should be updated with the field observation and revised data in shape file format should be submitted back to DJB GIS Division to maintain unified GIS Data of the Command Area.	GIS platform (ArcGIS) and CAD file should provide by DJB	Schematic maps have been uploaded on DJB website. If more details are required by any agency to prepare the bid, DMA cell may be contacted.
37		Random survey and verification/updating of Distribution map network GIS maps and revenue GIS tagging	Should specify minimum numbers of random survey requirement	The data provided by the DJB field staff /mapping cell with respect to existing pipe network is updated upto the maximum extent. However, the

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		data		consultant has to verify its feasibility/ accuracy to the extent of minimum 100% of the pipe line network so that the proposed hydraulic design may achieve the desired benefit to the consumer & also as per amended RFP
38	—	Preparing online data submission form	Could you please elaborate	Deleted in amended RFP
39	—	Verifying the reading of flow meters and verifying/finding the consumption of domestic water meters by using portable instrument	Please specify numbers for consumer survey points	As per amended RFP
40	—	Pipeline materials dia., age, friction factor, elevation, lengths and valve details of the pipe	These data should be provided by DJB	As per amended RFP
41	—	DMA boundaries	Does pipe locator survey is required to freeze DMA boundaries if yes than please provide the length or boundary of project area.	As per amended RFP cl. 7 page 44
42	—	Elevation Survey, wherever required,	Topo survey should be provide by DJB or should be specify in the clarification. If variation is there than quoted rate to be paid on actual basis.	Available maps shall be provided. However, agencies have to carry out the contour maps survey to accomplish accurate hydraulic modeling. With an interval of one meter. RL of the ground survey shall be marked on GIS map & shall have to be updated in mapping cell & also as per amended RFP
43	—	Household survey	Is household survey is also required?	As per amended RFP
44	—	Flow monitoring		
45	—	Energy audit	Do consultant requires to perform energy audit for pumps, if yeas than how many pumps are there in each	Yes, consultant is required to perform energy audit for pumps, details of pumps in each project area shall be

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			project area .	provide by DJB & also as per amended RFP
46	---	Pressure measurement	Do consultant requires to cross check existing pressure gauge	No, elaborated in amended RFP
47		Temporary Flow and Pressure measurement for validation of hydraulic model results, creation of DMAs, it is to be ensured that Flow and Pressure across Command Area shall be simultaneously measured for 48 hours regardless to water supply hours. All necessary equipment like portable flow meters and pressure loggers shall be arranged by Consultant during project period.	Flow monitoring equipment is having power backup only for the 24 hours, if DJB is looking for 48 hours monitoring than access to power should be provided by DJB.	As per amended RFP
48	Page No. 39 Scope of service & timeline	Site work/Excavation: Required excavation for verification pits etc. for verifying network details, fixing temporary flow and pressure meters etc. etc. shall be carried out by the agency however its proper backfilling and restoration works shall be done by DJB staff/DJB hired contractor. Consultant should provide necessary excavation location plan 14 days in advance as and when required during the project.	Requesting that excavation also carried out by DJB, based on the guidelines of agency – Please confirm. Also keeping pit open for backfilling (in case of any delay in backfilling by DJB) will lead to safety hazard. It is advisable to same party shall done the excavation and backfilling of trail pits - please confirm	Consultant will carry out all activities like excavation, fixing of temporary flow and pressure meter, including restoration of pipe back filling, etc. in coordination with concerned field staff of DJB & also as per amended RFP
49	Page No. 40 3.2, scope of consultancy services, point no : 19	Elevation survey wherever required	Kindly provide the approx. percentage against total pipeline network, for TS survey to be done for each package wise, in order to	As per amended RFP




		<p>calculate the team. We need the data for contour lines having 1 m interval and 10-25 cm accuracy. In case if it is not available with DJB, then entire TS survey to be considered for bidding- please confirm.</p>	
<p>50</p>	<p>Page No. 42 Detailed scope of work, S.No:03 &amp; point no c</p>	<p>The Consultant shall review the existing water supply transmission and distribution plans available in hard copy with the DJB. Much of the information on these plans has already been transferred to a GIS platform (ArcGIS) by DJB and can be used as a starting point for developing a comprehensive GIS for the command areas of all the Primary UGRs. The consultant should necessarily undertake Network data collection work from SE office/Nodal Officer, DJB GIS Division, local offices and concerned O&amp;M staff including sizes, material, depth, alignment, age, condition and known and unknown issues &amp; site conditions.</p>	<p>Kindly clarify What is the percentage of data incorporated in GIS. Package wise. Also please provide the vintage of data available with DJB.</p> <p>As per amended RFP</p>
<p>51</p>	<p>Page No. 42 Detailed scope of work, S.No:04</p>	<p>UGR and Pumping Station Assessment</p>	<p>As per RFP, it is understood that energy audit is the scope of consultancy, kindly clarify.</p> <p>Yes, consultant is required to perform energy audit for pumps, details of pumps in each project area shall be provide by DJB &amp; also as per amended RFP.</p>

  
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52	Page No. 43 Detailed scope of work, S.No:04	UGR and Pumping Station Assessment: Consultant shall also check structural strength of UGR by doing Non Destructive Testing & submit its report for each of primary UGR & BPS along with Other structural aspects of each of the UGR/BPS.	It is understood that structural analysis of UGR/BPS shall be carried out by visual inspection along with leak test of UGR/BPS – please clarify.	As per amended RFP
53	Page No. 44 Detailed scope of work, S.No:05	Prepare network plan & Hydraulic modelling: Local Tubewells have been installed to augment the supplies in various pockets/ parts of Delhi. Agency shall map these tubewells on network plans & suggest measures for its phase out in phased manner. Present discharge from tubewells shall be assessed & added in working out NRW & improvement plans of areas.	It is understood that Yield test of tube wells not in the scope of consultancy – Please clarify.	Yield test Not in consultant scope but he has to assess the discharged to work out availability of water
54	Page No. 45 Detailed scope of work, S.No:08	Random survey and verification/ updating of Distribution map network GIS maps and revenue GIS tagging data: The conventional method of asset survey shall be carried out by visible inspection and analysis of data base such as built drawing and detection of unauthorized connections/consumption through surveys The agency shall have to make trial pit along the alignment utility (generally 2-3	Kindly provide the percentage of quantity of random survey to be carried out.	As per amended RFP


  
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	<p>trail pits/km in a distribution system). Trail pit shall be dug if essential. GIS tagged Revenue data shall be provided by DJB. The firm has to verify/update the same by doing random survey or any other technology</p>		
<p>55 Page No. 45 Detailed scope of work, S.No:09</p>	<p>Checking/Verification of meter reading data provided by DJB: Investigation of NRW due to accounting/meter reading errors and non-payment of bills can be carried out immediately as an priority since they involve little cost in comparison to real investigation of technical losses and illegal connections. Accounting/meter reading errors can be reduced by setting simple systems which provide quality assurance on both the methodology and processes of water accounting and which provide checks on the meters which have been read. The agency will randomly check the consumption recorded by Meter Reader/or recorded as Average billing and provide the comparison statement to the Nodal officer (Revenue)/EE (DMA) in a sealed envelope confidentially.</p>	<p>Kindly provide the percentage of quantity of random meter checking to be carried out.</p>	<p>As per amended RFP</p>

  
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56	Page No. 45 Detailed scope of work, S.No:10	DMA boundary marking: The agency shall have to divide whole of the command area of a primary UGRs in the DMAs and each DMA may have approximately 2000 water connections. The Agency has to confirm and define DMA boundaries actually on ground after hydraulically isolating the area by providing isolation valves.	It is understood that all the construction and procurement activities for DMA formation such as valves, meters, loggers etc shall be done by DIB based on guideline of agency -- pleas confirm.	As per amended RFP
57	Page No. 47 Detailed scope of work, S.No:15	Verifying the reading of flow meters and verifying/finding the consumption of domestic water meters by using portable instrument: For testing flow through already installed water meter or defective water meter.	Please provide the percentage quantity for meter testing.	Deleted in amended RFP
58	Page No. 47 Detailed scope of work, S.No:16	NRW calculation – At the end of each billing cycle by google form/app:	It is understood that NRW assessment shall be carried out after completion of all necessary capital work such as meter installation etc. – Please clarify.	As per amended RFP
59	Page No. 48 Detailed scope of work, S.No:20	Prepare Rehabilitation Estimates and Bill of Quantities	It is understood that pipe condition assessment is not in the scope – Please clarify.	As per amended RFP
60	Page No. 5 Eligibility criteria	*Experience of completed / ongoing/ awarded work of DMAs creation, Hydraulic modelling and preparation of detailed estimates of DMAs rehabilitation works which should be targeted towards NRW reduction, for any National/International water	The eligibility criteria, derived in percentages of no of connections, ie- 60%, 40% & 30% of no of connections. We are requesting you to kindly consider the percentages against no of properties/consumers, since our	Number of properties can be considered as equivalent to number of water connection to qualify the technical eligibility criteria

  
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		<p>utility”.</p>	
61	<p>Page No. 42 Detailed scope of work, S.No:03 point no: e</p>	<p>Establishment of Baseline Conditions through detailed study of existing GIS data. “The network map’s accuracy is the responsibility of the consulting agency, the pipes or other appurtenances need to be completely defined on network map and all the DMAs distribution network along with other details should be accurately put on GIS map for each of the DMA separately”.</p>	<p>As per amended RFP</p>
62	<p>Page No. 44 Detailed scope of work, S.No:06</p>	<p>Temporary Flow and Pressure measurement for validation of hydraulic model results, creation of DMAs, it is to be ensured that Flow and Pressure across Command Area shall be simultaneously measured for 48 hours regardless to water supply hours. All necessary equipment like portable flow meters and pressure loggers shall be arranged by Consultant during project period.</p>	<p>It is understood based on discussion with DJB, DMA shall not be formed at ground based on the hydraulic modelling during this project tenure. Also DJB has installed and installing Electromagnetic flow meters along the entire water supply scheme without consideration of DMA boundary. Hence it is not possible to assess the NRW DMA wise on bi monthly basis with 48 hrs flow measurement. Hence we are requesting you to change the NRW assessment by UGR basis. In this case water audit shall be carried out in sample DMA’s. In general, the sample DMA’s shall have formed based on</p> <p>As per amended RFP</p>

  
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			<p>5% of connections &amp; each supply zone, further the value shall be extrapolated for entire supply scheme of the concerned UGR. We requesting you to change the scope to UGR wise NRW assessment based on sample DMA water audit &amp; survey. Also this sample water audit survey shall be done at once during entire project tenure based on this the DPR shall be prepared in order to understand the current NRW percentage and deficiency of the Water supply system.</p>	Deleted as per amended RFP
63	<p>Page No. 47 Detailed scope of work, S.No:15</p>	<p>Verifying the reading of flow meters and verifying/finding the consumption of domestic water meters by using portable instrument: For testing flow through already installed water meter or defective water meter.</p>	<p>Please clarify the percentage of testing. Also it is understood that the measurement shall be carried out parallel with calibrated consumer meters (AMI/mechanical meters) in plug &amp; play mode – Please confirm.</p>	Deleted as per amended RFP
64	<p>Page No. 47 Detailed scope of work, S.No:17</p>	<p>Submit DMA wise google form and fix the locations of Inlet/outlet flow meters, consumer meters data collection method, for enabling DJB field staff &amp; DMA cell to regularly calculate NRW of each DMA and with same inlet/outlet locations of flowmeters and methods of calculating NRW shall be used for calculating NRW after rehabilitation works. Fix the locations of Inlet/outlet flow</p>	<p>If DMAs are didn't formed permanently (ie, installation of permanent flow meters in DMA inlet &amp; outlet), then it is not possible to calculate the NRW value DMA wise bi monthly. Kindly review the scope once again and we can analyse UGR wise NRW assessment at once as mentioned in Sl.No 15 above.</p>	As per amended RFP

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		<p>meters, consumer meters data collection method, for enabling DJB field staff &amp; DMA cell to regularly calculate NRW of each DMA and with same inlet/outlet locations of flow meters and methods of calculating NRW shall be used for calculating NRW after rehabilitation works.</p>		
65	General		<p>It is understood that all the Zero Pressure Test not in the scope of this work- Kindly confirm.</p>	Zero Pressure Test is not in the scope of this work
66	General		<p>It is understood that DJB shall provide the pipeline network GIS data in soft copy format (Shape files or AutoCAD file) – Please confirm.</p>	As per amended RFP
67	General		<p>Requesting you to provide the following data's before bidding</p> <ol style="list-style-type: none"> <li>Over all Flow diagram of water supply scheme for each packages -- in soft copy</li> <li>Details of Pumps &amp; machineries, tube wells along with locations for each package -- in soft copy</li> <li>Details of existing and installation at present bulk meters (electromagnetic and mechanical flowmeters) along with location.</li> </ol> <p>Kindly provide the details of defective meters and unmetered &amp; metered connection details of each package.</p>	As per amended RFP

  
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68	General		The clause for provision for extension of project time didn't mentioned in the RFP. Kindly clarify.	As per amended RFP
69	General		It is understood that entire consumer survey not in the scope of consultancy. We shall review the consumer/consumption data received from DJB – Please confirm. If entire consumer survey is not in the scope, then identification of illegal connection is difficult, since un-authorized connections shall be effectively identified by house to house survey during supply hours, at least a complete cycle. In this case we shall consider the norms for illegal connection & meter inaccuracy as per CPHEEO – please confirm.	As per amended RFP
70	General		It is understood that as per RFP, the NRW assessment DMA wise shall be started after completion of DMA formation activities on ground such as flow meter installation, isolation valves installation etc. – Please confirm.	As per amended RFP
71	Key Personnel		Team of six personals suffices for six packages kindly clarify <ul style="list-style-type: none"> <li>• Team Leader</li> <li>• Civil / Hydraulic Design Engineer</li> <li>• Hydraulic Modeler and Network Engineer</li> <li>• Electrical/Mechanical</li> </ul>	As per amended RFP

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		<p>Engineer</p> <ul style="list-style-type: none"> <li>• CAD/GIS Specialist</li> <li>• Structural Engineer</li> </ul>	
72	Pg 44/71 Point No. 6 Temporary Flow and Pressure measurement	<p>for validation of hydraulic model results, creation of DMAs, it is to be ensured that Flow and Pressure across Command Area shall be simultaneously measured for 48 hours regardless to water supply hours. All necessary equipment like portable flow meters and pressure loggers shall be arranged by Consultant during project period.</p> <p>Please clarify the frequency of logging of flow and data.</p> <p>We suggest data logging shall be done for at least one month for verification of hydraulic model.</p>	As per amended RFP
73	Pg 45/71 Random survey and verification/updating of Distribution map network GIS maps and revenue GIS tagging data:	<p>The conventional method of asset survey shall be carried out by visible inspection and analysis of data base such as built drawing and detection of unauthorized connections/consumption through surveys. The agency shall have to make trial pit along the alignment utility (generally 2-3 trail pits/km in a distribution system). Trail pit shall be dug if essential. GIS tagged Revenue data shall be provided by DJB. The firm has to verify/update the same by doing random survey or any other technology</p> <p>We suggest for a cloud based application for GIS tagging of consumer connection. These are the latest technology used across by many utilities and it helps in management of GIS maps.</p> <p>Secondly many of your DMA has AMR meters , such DMAs do not require trial pit for detection of unauthorized consumption. Such DMAs can detect unauthorized consumption by only placement of optimal number of pressure n flow sensors.</p>	Not required as per amended RFP because provision of Google form is not required since DMA wise NRW is not being proposed in the amended RFP
74	Pg 46/71 Preparing online data submission form:	<p>Preparing App/Google form for online receipt of data of flow meter from zonal staff of DJB. The firm shall prepare a</p> <p>We suggest for cloud based application which is capable of doing cloud computing since the flowmeter data and consumer end data will be</p>	As per amended RFP

  
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		information Technology system wherein the data of flow meter as physically noted by zonal staff from flow meters shall be fed to App/Google form prepared by the agency & downloaded on zonal staff's mobile phone will be automatically received by the firm in the centralized office.	in huge quantity and such data cannot be maintained only on google forms. (Since google forms has the limitation in storing of data). Also computation of NRW/UFW is done on the basis of historical data and such huge volume of data cannot be handled only on google forms.	
75	—	Regarding payment of Tender fee and EMD shall be deposited electronically by the bidders and the online banking confirmation receipt shall be uploaded and whereas the proposal shall be submitted manually	Please confirm whether the bid shall be submitted in physical manner or submitted through online and how the proof of payment of tender fee and EMD shall exhibit. Please clarify	Only Physical submission of bid is allowed
76	—	It is stated that the lowest bidder can win in two SE Circles/Packages. Regarding the staff, it was not mentioned whether the same tea, will work for 2 packages or another set of team shall propose.	We are intending to submit our proposal for all 6 packages and we will propose 2 Teams of mentioned professionals for 6 packages. If 2 packages are awarded the same will work on respective package. Kindly consider.	If any of the bidder wants to bid for more than one SE circle then he is required is required to provide details of two teams & also as per amended RFP
77	—	Whether the DJB is providing existing network details like pipe dia, materials design period and discharge, age, hydraulic parameters	Please clarify	As per amended RFP
78	—	As per clause 3.1 in page 39, it is mentioned the required excavation for verification pits etc. etc. shall be carried out by the agency. Regarding obtaining permission form NDC for road cutting is not	Please clarify whether the DJB will obtain permission for road cutting or the responsibility with the agency.	As per amended RFP

		mentioned		
79		As per clause 3.2 - scope of services point 14 ' Collection of the volumetric consumption data,' it is to state that the consultant alone cannot perform this activity unless the DJB staff accompany the consultant	We request to depute the responsible personnel from DJB for this purpose.	As per amended RFP
80	DETAILED SCOPE OF WORK	Review of available GIS data provided, for site topographical survey, base map, consumer and network data. Checking the requirement of Topographical Survey, if required, carry out Survey within the command area and preparation/updation of base map and network plan.	<ol style="list-style-type: none"> <li>1. We would like to know whether DJB will be provided the Satellite Image for updation of necessary data.</li> <li>2. Please confirm the- In which format would be data available and whether it will be upto-date?</li> <li>3. Please clarify the how many km topographic data available with DJB and which format.</li> </ol>	As per amended RFP
81	DETAILED SCOPE OF WORK	Random survey and verification/updating of Distribution map network GIS maps and revenue GIS tagging data: The conventional method of asset survey shall be carried out by visible inspection and analysis of data base such as built drawing and detection of unauthorized connections/consumption through surveys The agency shall have to make trial pit along the alignment utility (generally 2-3 trail pits/km in a distribution system). Trail pit shall be dug if essential. GIS	<ol style="list-style-type: none"> <li>1. Kindly provide authorized connection details (no.) within the project area.</li> <li>2. If survey of unauthorized connection to be carryout for entire system? Does it mean that bidder should carryout consumer survey for the whole entire project area?</li> <li>3. Kindly clarify how much percentage of GIS tagged revenue data to be verified and what are the attribute to be verified.</li> </ol>	<ol style="list-style-type: none"> <li>1. As per amended RFP Annexure-III-VIII</li> <li>2. As per amended RFP</li> <li>3. As per amended RFP</li> </ol>

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		<p>tagged Revenue data shall be provided by DJB.</p> <p>The firm has to verify/update the same by doing random survey or any other technology</p>		
82	<p>DETAILED SCOPE OF WORK</p>	<p>DMA boundary marking: The agency shall have to divide whole of the command area of a primary UGRs in the DMAs and each DMA may have approximately 2000 water connections. The Agency has to confirm and define DMA boundaries actually on ground after hydraulically isolating the area by providing isolation valves.</p>	<p>We understand that the consultant has to Isolate the DMA's Hydraulically, However actual isolation on ground and providing of necessary valves etc will be carried out by other agency appointed by the DJB.</p>	As per amended RFP
83	<p>DETAILED SCOPE OF WORK</p>	<p>The consultant has to verify/update the available drawings such that these show complete and accurate positions of all the valves, flow meters, Flushing Valves, dia. Of pipe, material, age of pipes, direction of flow etc.</p>	<p>We understand that Base map and GIS map is available with DJB and we need to verify the data and update it if required. Please confirm.</p>	As per amended RFP
84	<p>(A) Details of scope of work/ Physical Infrastructure</p>	<p>Total Length of Water Supply Network</p>	<p>We understand that unit for Total Length of Water Supply Network given in the table "(A) Details of scope of work/ Physical Infrastructure" in Km, Please Confirm.</p>	Confirmed
85	<p>DETAILED SCOPE OF WORK</p>	<p>Agency shall collect data from zonal staff/revenue win as above, and make the NRW calculation by preparing the automatic software in Excel or otherwise for doing so</p>	<p>We understand that all the meter reading data will be collected by DJB's other agencies and the consultant's job is to collect the data from respective agency and</p>	As per amended RFP

  
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	<p>and submit its report to all the EE/ZRO concerned and the other officers dealing/monitoring with DMAs on or before the 7<sup>th</sup> day from the date of end of every billing cycle. All the connections of the DMA should be considered for evaluation of NRW of each DMA</p>	<p>conduct NRW analysis. Please Confirm.</p>	
<p>86 INSTRUCTIONS TO APPLICANTS Clause 2.5</p>	<p>Lowest bidder can win in two SE Circles/Packages &amp; bids having maximum number of connections will be given priority.</p>	<p>We request you to allow the lowest bidder to win maximum THREE packages for this will lead to aggressive quotes from the consultants. Please confirm.</p>	<p>As per amended RFP</p>
<p>87 DETAILED SCOPE OF WORK</p>	<p>The completed Technical and Financial Proposal must be delivered at the submission address on or before the due time and date.</p>	<p>Kindly provide Submission address</p>	<p>EXECUTIVE ENGINEER (PROJECT) WATER-I DELHI JAL BOARD 5<sup>th</sup> Floor, Varunalya, Phase-I, Jhandewalan, New Delhi-110055 Phone No. 011 23510242 E-mail: dmacelljhb@gmail.com On or before 08.05.2019 upto 4:00 PM</p>
<p>88 INTRODUCTION 1.2 Requests for Proposal</p>	<p>The Authority (Delhi Jal Board) invites proposals from consultancy firms (the "Proposals") for selection of a firm (the "Consultant") who shall assist the Authority as per the scope of work specified in the TOR (collectively the "Consultancy"). The Authority intends to select the Consultant by inviting open</p>	<p>Client is requested to keep QCBS (Quality cum Cost Based Selection) method in the ratio of 80:20(Technical and 20 Financial) for selection of consultants.</p>	<p>As per amended RFP</p>

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		tender through L1 based Lump Sum (LS) contract in accordance with the procedure set out herein and from the bidders who fulfill the following eligibility criteria:		
89	Eligibility Criteria; Pg.No:05	Experience of completed / ongoing/ awarded work of DMAs creation, Hydraulic modeling and preparation of detailed estimates of DMAs rehabilitation works which should be targeted towards NRW reduction, for any National/International water utility?. The minimum experience criteria of completed / ongoing/ awarded work of DMAs shall be as following: (i) Experience of at least one aforesaid work of minimum 60% of 31915 water connections. Or (ii) experience of at least two works of minimum 40% of 31915 water connections Or (iii) Experience of at least three works of minimum 30% of 31915 of the water connections in the last 10 years.	Client is requested to consider the experience of DMA creation, hydraulic modelling as part of DPR for water supply systems of towns/cities as eligibility.	It is already confirm at Sl.No. 60 that number of properties can be considered as equivalent to number of water connection to qualify the technical eligibility criteria
90	Eligibility Criteria; Pg.No:05	Experience of completed / ongoing/ awarded work of DMAs creation, Hydraulic modeling and preparation of detailed estimates of DMAs rehabilitation works which should be targeted towards NRW reduction, for any	Client is requested to consider the experience of preparation of DPRs for water supply systems of towns irrespective of number of water connections.	It is already confirm at Sl.No. 60 that number of properties can be considered as equivalent to number of water connection to qualify the technical eligibility criteria

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		National/International water utility". The minimum experience criteria of completed / ongoing/ awarded work of DMAs shall be as following: (i) Experience of at least one aforesaid work of minimum 60% of 31915 water connections. Or (ii) experience of at least two works of minimum 40% of 31915 water connections Or (iii) Experience of at least three works of minimum 30% of 31915 of the water connections in the last 10 years.		
91	Availability of RFP Document Page : 6	Bidder shall submit the EMD amount of Rs. 68,000/- electronically	We understand that one EMD of Rs 68,000/- is sufficient for any number packages being applied. Kindly confirm.	Separate EMD is to be submitted for each of the package which bidders wish to bid.
92	Brief description of the Selection Process Page :08	1.6.4 Financial Proposals shall be opened publicly in the presence of the Consultant/Consultants' representatives who choose to attend. The Financial Proposal of the Consultants who met the eligibility technical criteria responsiveness will then be inspected to confirm that they have remained sealed and unopened. These Financial Proposals shall be then opened, and the total prices read aloud and recorded.	Client is requested to mention minimum technical qualifying marks for opening of financial bid.	As per amended RFP

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93	INSTRUCTIONS TO APPLICANTS Page :10	Detailed description of the objectives, scope of services, deliverables and other requirements relating to this Consultancy are specified in this RFP. In case an applicant firm possesses the requisite experience and capabilities required for under taking the Consultancy, it may participate in the Selection Process either individually (the "Sole Firm") or as lead member of a consortium/association of firms(the "Lead Member") or lead member of JV firm, in response to this invitation. The term applicant (the "Applicant") means the Sole Firm or the Lead Member, as the case may be. The manner in which the Proposal is required to be submitted, evaluated and accepted is explained in this RFP.	We understand that JV is allowed. If yes, client is requested to mention the criteria to be lead member in JV.	As per amended RFP
94	2.INSTRUCTIONS TO APPLICANTS Page :10	2.2 Key Personnel The Consultant's team (the "Consultancy Team") shall consist of the following key personnel (the "Key Personnel") who shall discharge their respective responsibilities as Specified below.	We understand that one set of CVs is sufficient for two packages. Kindly confirm.	If any of the bidder wants to bid for more than one SE circle then he is required to provide details of two teams & also as per amended RFP
95	2.INSTRUCTIONS TO APPLICANTS. Page : 17	2.5 Number of Proposals: Separate bids for each of 6 SE circles/Packages of DJB are being invited through this RFP.	We understand that separate technical and financial proposal is to be submitted for each package. Kindly confirm.	Yes

  
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		Annexure-III is specific for respective SE Circle. Applicant or its Associate can submit bid in any or all the six SE circles. The six SE circles of DJB are under three Chief Engineer jurisdiction of DJB, of East Delhi, South Delhi and West Delhi. For the purpose of submitting the bids by the applicants, the six SE circles have been designated into following six Packages;		
96	CRITERIA FOR EVALUATION Page : 33	Submission of Financial Proposal: Check list : One Photocopy of Financial Bid One Soft Copy of of Financial Bid	Client is requested to keep the Original Financial proposal only in the check list.	As per amended RFP
97	ANNEXURE-III SE (East)(A) Detail of scope of work/ Physical Infrastructure Page : 66	Total No. of water connections – 194364. The details are indicative only and the firm has to work on all the unauthorized water connections also within the complete jurisdiction of SE (East) as per actual site conditions.	We understand that data given in Annexure – III is only for one package (SE East) and each package has similar data. Kindly confirm.	Data given in Annexure-III-VIII is separate for each of the six SEs. The number of water connections and pipe lengths are different in all the packages which are given in annexure-III-VIII
98	Clause 1.8; Pg.No:09	Last date (deadline) for receipt of technical and financial proposals in response to RFP notice Date: 26-04-2019 at 4:00 P.M	We would request client to extend the submission date at least by 15 days from the date of issue of pre-bid queries reply	As per amended RFP
99	Pg.No:70; Part D	Key & Non Key Personnel	At the time of Technical Proposal Submission We understand Only key experts list CVs should be attached – Kindly confirm	As per amended RFP
100	—		General: As per the subject cited work a consultant can bid for all the 6 packages , in this regard it is	If any of the bidder wants to bid for more than one SE circle then he is required is required to provide details


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			submitted that if a consultant bids for all 6 packages with same set of experience and CVs and eventually comes as L1 for 2 packages then the same set of experts shall take up the work?? please confirm	of two teams & also as per amended RFP
101			The total length of pipeline in packages 2 and 6 (page 66) is mentioned as 1307 km & 2569 km respectively, these lengths are too high in comparison to lengths of other packages, Please confirm if the length are approximately correct.	As per amended RFP
102			The estimated cost of projects for all the packages are not clear?? Please tell the estimated cost of the project.	Being a specialised work, RFP have been made. The bidder has to quote his rates as per the scope of work mentioned in the RFP.
103			As per Clause No.25.(page 50) Deliverables and payment schedule: "(vii) DPR Approval and Acceptance". It is requested to provide the procedure and channel that will be adopted for approval and acceptance of DPR.	As per amended RFP

  
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