



**DELHI JAL BOARD: GOVT OF NCT OF DELHI  
OFFICE OF THE EXECUTIVE ENGINEER (DWARKA)WTP  
OVER HEAD TANK: ASHOK VIHAR, DELHI-52  
Phone No.:-27301179 Email:- eewtpd.djb@nic.in**



**NIT-04 (2017-18)**

Corrigendum & Addendum No. 02 and Bidder's Queries and responses

**Name of Work:- DWSIIP/01: Distribution Network Improvement in UGR Command Areas C-02 and C-03 Targeting Continuous Pressurized Water Supply and DMA Based NRW Reduction and Providing House Service Connections**

In reference to the Invitation for Bids, Prebid Meeting held on 01.09.2017 and "Prospective Bidders Workshop" held on 28.09.2017, please find attached herewith Corrigendum & Addendum No. 02 and Bidder's Queries and responses. The last date for submission of Bids has been extended up to 3.00 pm (IST) on October 16, 2017.

Any further corrigendum/addendum/clarification, if any, will be uploaded on 'Expression of Interest' section of Delhi Jal Board's website i.e. [www.delhijalboard.nic.in](http://www.delhijalboard.nic.in) only.

  
03/10/17  
**E.E(DWARKA) WTP**

**No. F-2(101) /EE (DWARKA) WTP/2017-18/1774-1819**

**Dated: .10.2017**

Copy for kind information to:-

1. P.S. to Vice Chairman, DJB
2. Secy. To CEO/Member (A)/Fin/Dr./WS
3. All CE's
4. Under Secretary(ADB-I), DEA, Ministry of Finance, North Block, New Delhi
5. Dir. (F&A)/ Addl.CEO/ DOV, DJB
6. Mr. Manoj Sharma, Mission Leader, Principal Urban Development Specialist, SAUW, ADB, Manila, Philippines through email [msharma@adb.org](mailto:msharma@adb.org).
7. SE(Project) Water-I,II,III./ (Planning)W/ SE(E&M)WC
8. ALL EE(Project) Water
9. EE(EDP): with softcopy to upload on DJB Website
10. Jt.Dir (F&A)-I, Dy. Dir (F&A)I, II & III / AO(Project) Water-III/ AAO(Dwarka)WTP
11. All AEs(Dwarka)WTP
12. Notice Board
13. Team Leader, PMC
14. Contractors Welfare Association registered, 20 FF, LSC, BQ Block, DDA Market, Shalimar Bagh, Delhi-88.
15. Prospective Bidders through mail.

BIDDER'S QUERIES AND RESPONSES

**Delhi Water Supply Improvement Investment Program-Tranche-1 (ADB-47176-IND), Delhi Jal Board  
Invitation for Bids: NIT No. 4 (2017-18)**

**Package -DWSIIP/01: Distribution Network Improvement in UGR Command Areas C-02 and C-03 Targeting Continuous Pressurized Water Supply  
and DMA Based NRW Reduction and Providing House Service Connections**

Sl. No.	Bid Volume No.	Section No.	Clause/Sub Clause No.	Page No.	Bidder's Queries	Response
1.		Section 8, PCC	14.2	8-4	We presume that advance payment (10% of accepted contract amount) as mentioned in the referred clause is interest free. Kindly confirm.	Confirmed.
2.		Section 8, PCC	14.2	8-4	In the referred clause, it has been mentioned that, " <i>Second Installment of remaining amount on demand by the contractor after 6 months from commencement date on submission of details of use of first installment</i> ", we request you to consider payment of second installment after initial mobilization of equipment and manpower.	Refer C&A 02, S.No.17
3.		Section 7, GCC	14.2	-	In the referred clause, it has been mentioned that, " <i>repayment amortization rate of advance payment is 25% of Interim payment certificate</i> ". We request you to consider amortization of advance payment shall commence when the contractor's billing amount reaches 20% of the contract price and the total recovery shall be effected by the contractors billing amount reaches 80% of the contract price in proportional deductions. Kindly consider and confirm.	As per Bid Document
4.		Section 8, PCC	14.3(c)	8-4	As per the referred clause, " <i>10% of interim payment certificate amount shall be deducted in the form of Retention</i> ". In order to facilitate better cash flow for the project, we request you to consider upfront Bank Guarantee in lieu of cash retention. Kindly consider and confirm.	Refer C&A 02, S.No.18
5.		Section 7, GCC	13.9	-	We understand all statutory variation on account of introduction of new taxes & duties during contract period shall be payable at actuals. Please confirm.	As per Bid Document. Bidder to also refer 13.6 of GCC.

Sl. No.	Bid Volume No.	Section No.	Clause/Sub Clause No.	Page No.	Bidder's Queries	Response
6.		Section 8, PCC	9.6	8-3	<p>Request to consider delay damages as <b>0.01% per day subject to a maximum of 5% of Design Build Value</b> instead of 0.04% per day subject to a maximum of 10% of Design Build Value pertaining to each section for every day of delay.</p> <p>We understand that if the project is completed within the stipulated time schedule, the liquidated damages levied at intermediate milestone will be reimbursed. Please confirm if our understanding is correct.</p>	<p>Refer C&amp;A 02, S.No.16</p> <p>Confirmed.</p>
7.		Section 8, PCC	14.7(b)	8-4	<p>As per the referred clause we understand minimum amount of interim payment is <i>2.5% of the accepted contract price for Design-Build portion</i>. We request you to consider monthly payment based on the payment terms and as per actual progress of work.</p>	Refer C&A 02, S.No.19
8.		Section 8, PCC (Schedule 4)	13.8	8-4	<p>We understand price adjustment is applicable for labour (civil and E&amp;M works) and material (civil and E&amp;M works) as mentioned in the referred clause.</p> <p>As the project envisages majorly DI, MS &amp; HDPE pipeline, we request you to provide a separate formulae and appropriate WPI name of each component for calculating the price adjustment.</p> <p>Also we request you to kindly consider price adjustment to be payable for labour and materials during O&amp;M period and provide the price adjustment formulae for calculating the same.</p>	As per Bid Document
9.		Volume 5	Bill - 3	1 of 1	<p>We understand that the bidder should quote for operation service fee from Initial Taking Over Date to Final Taking Over date (44 months) per month basis and also the payment will be based on the volume of water supplied as mentioned in schedule 3, page 8-30. Since there is no clarity on the quantum of water to be supplied and allied activities to be carried out, it will be difficult in assessing the operation service fee at this stage.</p> <p>Kindly provide the details to be considered for quoting the same.</p>	Refer C&A 02, S.No.10
10.		Section 6	6.1.18	6-47	<p>We understand the initial taking over will be after 4 months of commencement, but as per milestone mentioned in Table 9, the first 2 DMAs has to be completed within 210 days of commencement.</p> <p>We presume initial taking over will be after completion of the first 2 DMAs i.e after 210 days of commencement.</p> <p>Please confirm.</p>	As per Bid Document
11.			Schedule 3	8-29	In order to facilitate better cash flow, we request you to consider the	As per Bid Document

Sl. No.	Bid Volume No.	Section No.	Clause/Sub Clause No.	Page No.	Bidder's Queries	Response
		Section 8 Particular Conditions of Contract	Contractor's Payment (2a& 2b)		<p>following payment terms for:</p> <ul style="list-style-type: none"> <li>i. 70% of the cost of pipeline on supply and stacking of material at site</li> <li>ii. 25% of the cost of pipeline on laying, jointing, sectional hydro testing of pipes and restoration of road as specified in bid document which will be suitable for vehicle movement in the DMA</li> <li>iii. 5% on commissioning of the DMA</li> </ul>	
12.		Section 8 Particular Conditions of Contract	Schedule 3 Contractor's Payment (2c)	8-29	<p>In order to facilitate better cash flow, we request you to consider the following payment terms for:</p> <ul style="list-style-type: none"> <li>i. 70% of the agreed price, against supply and storage of material at Site;</li> <li>ii. 20% on installation of the equipment;</li> <li>iii. 5% on testing and trial run completed successfully;</li> </ul> <p>and</p> <ul style="list-style-type: none"> <li>iv. 5% on commissioning of the equipment.</li> </ul>	As per Bid Document
13.		Volume 5	Bill - 3	1 of 1	We understand payment during O&M services will be based on quantum of water supplied. In the event of non availability of water as mentioned in the BoQ due to any issues not attributable to the contractor, please clarify the modality of payment for compensating the fixed components to the contractor.	Refer C&A 02, S.No.10
14.		Section 8 Particular Conditions of Contract	Schedule 3 Contractor's Payment (2e)	8-29	Since public outreach component is not related to laying of pipeline activity, but it is mentioned that 40% of payment will be paid after laying, testing and commissioning of proposed pipeline. Hence we request you to kindly consider 100% payment for public outreach on deployment of minimum manpower indicated. Please consider and confirm.	As per Bid Document
15.		Section 8, PCC	13.3	8-18	From the referred clause we understand increase in BoQ quantity between 1% to 20% will be payable as per the BoQ rate and variation above 20% will be payable with new rate as mentioned in tender. Please confirm.	Confirmed.
16.		Section 6	6.1.8.3	6-13	It is our understanding that collection of revenue is not within the scope of the contract. Please confirm.	Please refer to clause no 6.1.33 and other relevant clauses of bid document.

Sl. No.	Bid Volume No.	Section No.	Clause/Sub Clause No.	Page No.	Bidder's Queries	Response
17.		Section 6	6.1.8.3	6-13	We understand that contractor should take over the obligation of existing metering contract, therefore we request you to kindly clarify the status and remaining period of existing <b>Metering Contract</b> .	As per Bid Document
18.		Section 8, PCC	Schedule 1	8-24	We presume that the required right of access to the site, right of way and necessary area of land for temporary and permanent structures shall be provided to us by Employer with all permissions and clearances from defense, forest department, etc., and encumbrances free, including payment of necessary charges, depository fees to all the authorities. Kindly confirm.	As per Bid Document
19.		General	-	-	We understand that necessary width of right of way required for laying pipeline shall be provided to us free of cost and free from all encumbrances, clearances from all authorities including Forest department, Railways, NH etc. and including crop compensation to private land owners. Please confirm if our understanding is correct.	As per Bid Document
20.		General	-	-	We understand that during execution of work, cost involved in rectification of damages to the objects beneath the earth shall be the responsibility of contractor whereas removal & shifting of utilities will be reimbursed at actuals by the department. Kindly confirm.	Bidder to refer clause no 31 at page 4-35, Section-4, Volume-1 of bid document.
21.		General	-	-	We understand that the charges for electricity and water shall be borne by the Employer during commissioning and trial run. Please consider and confirm.	Bidder to refer clause no 4.19 at page 8-10, Section-8, Volume-1 of bid document.
22.		Section 3	2.4.2	3-10	In the referred clause, it states that <i>"May be complied with by specialist subcontractors. The employer shall require evidence of the subcontracting agreement from the bidder. A specialist subcontractor is a specialist enterprise engaged for highly specialized processes which the main contractor cannot provide"</i> . It is our understanding that this is applicable to any criteria as stated under 2.4.2. Kindly confirm.	Confirmed.
23.		Section 3	2.4.1	3-9	Since the project is of distribution in nature, we understand that bidder should satisfy the eligibility of similarity based on "Distribution Improvement with DMA formation and NRW/UFW reduction Contracts or pressurized water supply system" not necessarily the project should include asset database development and management. Please confirm and we request you to kindly remove the Asset Database development and management from as it is not related to the similarity of the project.	As per Bid Document
24.		Section 3	2.4.2(iv)	3-10	We wish to submit that O&M of DMA based urban water distribution system with the scope of House Service Connections by the contractor is	Refer C&A 02, S.No.4

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					a fairly new concept developed recently in India. Hence we request to consider the experience in operation and management of water supply system for minimum 2 years serving minimum of 65000 House service connection or 350000 populations. Please consider and confirm.	
25.		Section 3	2.4.2(v)	3-10	Since trenchless works to such required quantum in a single contract is a very rare possibility and as there is a limited scope of trenchless work in this tender, we request you to delete or reconsider the criteria <i>"Experience in construction and commissioning of trenchless technology works of 07 kms in a single or multiple Contract in last 10 years"</i> .	Refer C&A 02, S.No.5
26.		General	-	-	We request you to kindly clarify whether bidder has to integrate the existing infrastructure with the newly installed pipeline for maintaining the NRW. In such event of prevailing conditions of existing infrastructure, it will be difficult for the bidder to achieve the performance targets during O&M. Hence we request you to pay bidders at actuals for repairing/ replacing / rehabilitating the existing works in order to ensure performance parameters. Please confirm.  Also we would like to bring to your kind notice, it will difficult to maintain the NRW at 15% by integrating with existing works. Hence kindly allow bidders to reduce the NRW rate gradually or phase-wise to target NRW rate.	Refer C&A 02, S.No.20
27.		Section 6 Employer's Requirement	6.1.22 Part II – Operating & Management Procedures and Policies	6-51	As per the referred clause, the contractor shall establish management information system. Hence we request to include the same in the Bill of quantities.	Bidder to include such cost of such software with SCADA system of respective LCC
28.		Section 6 Employer's Requirement	6.1.22 Part II – Operating & Management Procedures and Policies	6-52	We request to provide the details of Urban poor areas/slums including the connection polices.	Details are available in DPR which will be provided to the successful bidder. However, any additional information required will be arranged by the contractor.
29.		Section 6 Employer's Requirement	6.1.33 Billing Responsibility	6-60	We request to provide the detailed specifications of the Consumer Billing Software and include the same in bill of quantities	As per SI no 2 of subject clause <i>"The Employer will generate and print the water bills...."</i> . Hence not required to include the same in Bill of Quantities.

Sl. No.	Bid Volume No.	Section No.	Clause/Sub Clause No.	Page No.	Bidder's Queries	Response
30.		Section 6 Employer's Requirement	6.1.34 Meter Testing	6-60	As per the referred clause, a consumer meter test bench shall be established by the contractor. We request to include the same in the Bill of quantities.	Refer C&A 02, S.No.21
31.		Section 6 Employer's Requirement	Provision for temporary services	6-77	As per the referred clause, the contractor may install temporary lines or may arrange for supply by tankers. We request you to include an item for providing the same in bill of quantities.	Bidder to include same in their cost.
32.		Section 6 Employer's Requirement	3.5.17 Customer Service Centers	6-95	We request to provide the details of existing customer Service Centers established by DJB to be maintained during O&M Period.	Bidder to refer clause no 6.1.27 at page 6-55, Section-6, Volume-1 of bid document.
33.		General	-	-	We request you to provide the details of existing infrastructure which will be helpful to bidder for analyzing and arriving at the exact quantity of existing works that needs to be replaced and also arrive at a competitive price.	As per Bid Document
34.		Section 8, PCC	Schedule 3 Contractor's Payment	8-29	As per the referred clause, 30% of payment for (a) Distribution system; Rising mains and Common feeder mains (b) is linked with commissioning and successful demonstrating of performance parameter of NRW and pressure in the DMA for 3 months testing period. 20% of Operation Service Fee is directly linked with the performance of the operator (Performance based payment). Therefore request to delink the payment of design-Build activities with performance of the operator.	As per Bid Document
35.		Section 8 Particular Conditions of Contract	Schedule 3 Contractor's Payment	8-30	In order to have better cash inflow, request to consider the <b>Monthly Invoice</b> rather than bimonthly for Operation Services. Please Consider & confirm.	As per Bid Document
36.		Section 8 Particular Conditions of Contract	Schedule 3 Contractor's Payment 3. Payment for Operation Service	8-31	It is a general industry practice to levy maximum penalties equivalent to the weightage of that respective performance parameter. Therefore we understand the Penalty to be levied is as follows:	As per Bid Document

Sl. No.	Bid Volume No.	Section No.	Clause/Sub Clause No.	Page No.	Bidder's Queries	Response																								
					<table border="1"> <tr> <td>'Continuity of Water Supply' Performance</td> <td>Penalty levied to the Operator</td> <td>Payment payable to the Operator(As percentage of total agreed O&amp;M payment for the billing period)</td> </tr> <tr> <td>100%</td> <td></td> <td>5%</td> </tr> <tr> <td>Lessthan80%,penaltywillbe deductedfromtheotherdue payments</td> <td></td> <td></td> </tr> <tr> <td>From less than 80 to 76%</td> <td>1%</td> <td>5-1 = 4%</td> </tr> <tr> <td>From less than 76 to 72%</td> <td>2%</td> <td>5-2= 3%</td> </tr> <tr> <td>From less than 72 to 68%</td> <td>3%</td> <td>5-3= 2%</td> </tr> <tr> <td>From less than 68 to 64%</td> <td>4%</td> <td>5-4= 1%</td> </tr> <tr> <td>Below 64%</td> <td>5%</td> <td>5-5= 0%</td> </tr> </table> <p>Also please clarify payment payable to the contractor for maintaining the continuity of water supply performance between 80% and 100%.</p>	'Continuity of Water Supply' Performance	Penalty levied to the Operator	Payment payable to the Operator(As percentage of total agreed O&M payment for the billing period)	100%		5%	Lessthan80%,penaltywillbe deductedfromtheotherdue payments			From less than 80 to 76%	1%	5-1 = 4%	From less than 76 to 72%	2%	5-2= 3%	From less than 72 to 68%	3%	5-3= 2%	From less than 68 to 64%	4%	5-4= 1%	Below 64%	5%	5-5= 0%	
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37.		Section 8 Particular Conditions of Contract	Schedule 3 Contractor's Payment 3. Payment for Operation Service	8-31	Please clarify payment payable to the contractor for maintaining the Meter reading, billing and efficiency performance between 90% and 100%.	As per Bid Document.																								
38.		Section 8 Particular Conditions of Contract	Schedule 5. D Performance target and Measurement  Schedule 3 Contractor's Payment 3. Payment for Operation Service	8-39  8-31	<p>As per the referred table, Non Revenue Water shall be maintained less than or equal to 15% DMA wise when the DMAs are commissioned and from the sectional Final takeover date to end of the contract. We presume maintain NRW at 15% is only after final taking over i.e., after 48 months. Please confirm and also it is a general industry practice to keep NRW target as to 25% or below. Also it requires very high end instrumentation to bring down NRW from about current 50% to 15%. Therefore, request to make NRW target as 20% or below</p> <p>As per the referred table, there shall not be any penalties levied for NRW level between 15% to 20%. But as per the Penalty B(ii), the contractor is penalized 15% penalty by allowing 0% Operations</p>	Refer C&A 02, S.No.20																								



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					<p>Payment for NRW level between 15-20%. Even It is a general industry practice to levy maximum penalties equivalent to the weightage of that respective performance parameter. Therefore we propose the Penalty B(ii) as following:</p> <table border="1"> <thead> <tr> <th>Non Revenue Water</th> <th>Bonus to the Operator</th> <th>Penalty levied to the Operator</th> <th>Payment payable to the Operator (As a percentage of total agreed O&amp;M Period payment for the billing period)</th> </tr> </thead> <tbody> <tr> <td>10% or less</td> <td>5%</td> <td></td> <td>15+5 = 20%</td> </tr> <tr> <td>11%</td> <td>4%</td> <td></td> <td>15+4 = 19%</td> </tr> <tr> <td>12%</td> <td>3%</td> <td></td> <td>15+3 = 18%</td> </tr> <tr> <td>13%</td> <td>2%</td> <td></td> <td>15+2 = 17%</td> </tr> <tr> <td>14%</td> <td>1%</td> <td></td> <td>15+1 = 16%</td> </tr> <tr> <td>15%</td> <td></td> <td>0%</td> <td>15%</td> </tr> <tr> <td>16-20%</td> <td></td> <td>0%</td> <td>15%</td> </tr> <tr> <td>21-23%</td> <td></td> <td>5%</td> <td>15-5 = 10%</td> </tr> <tr> <td>23-25%</td> <td></td> <td>10%</td> <td>10-5 = 5%</td> </tr> <tr> <td>&gt;25%</td> <td></td> <td>15%</td> <td>5-5 = 0%</td> </tr> </tbody> </table>	Non Revenue Water	Bonus to the Operator	Penalty levied to the Operator	Payment payable to the Operator (As a percentage of total agreed O&M Period payment for the billing period)	10% or less	5%		15+5 = 20%	11%	4%		15+4 = 19%	12%	3%		15+3 = 18%	13%	2%		15+2 = 17%	14%	1%		15+1 = 16%	15%		0%	15%	16-20%		0%	15%	21-23%		5%	15-5 = 10%	23-25%		10%	10-5 = 5%	>25%		15%	5-5 = 0%	
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39.		Section 8 Particular Conditions of Contract	Schedule 3 Contractor's Payment 3. Payment for Operation Service	8-31	<p>It is a general industry practice to levy maximum penalties equivalent to the weightage of that respective performance parameter. Therefore we propose the Penalty B(iii) as following:</p> <table border="1"> <thead> <tr> <th>Meter Reading, Billing and Distribution Efficiency Performance(E)</th> <th>Penalty levied to the Operator</th> <th>Payment payable to the Operator (As a percentage of total agreed O&amp;M Period payment for the billing period)</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Meter Reading, Billing and Distribution Efficiency Performance(E)	Penalty levied to the Operator	Payment payable to the Operator (As a percentage of total agreed O&M Period payment for the billing period)				As per Bid Document																																						
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						Between Initial and Final Taking Over Dates	After Final Taking Over Date	Between initial and Final Taking Over Dates	After Final Taking Over Date	
					100%			3.5%	5%	
					Less than 90%, penalty will be deducted from the other					
					From less than 90 to 88%	1%	1%	3.5-1= 2.5%	5-1= 4%	
					From less than 88 to 86%	2%	2%	3.5-2= 1.5%	5-2= 3%	
					From less than 86 to 84%	2.5%	3%	3.5-2.5= 1%	5-3= 2%	
					From less than 84 to 82%	3%	4%	3.5-3= 0.5%	5-4= 1%	
					Below 82%	3.5%	5%	3.5-3.5= 0%	5-5= 0%	

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40.		Section 8 Particular Conditions of Contract	Schedule 3 Contractor's Payment 3. Payment for Operation Service	8-31	<p>It is a general industry practice to levy maximum penalties equivalent to the weightage of that respective performance parameter. Therefore we propose the Penalty B(iv) as following:</p> <table border="1"> <thead> <tr> <th>Response time for providing new water supply connections</th> <th>Penalty levied to the Operator</th> <th>Payment payable to the Operator (As a percentage of total agreed O&amp;M Period payment for the billing period)</th> </tr> </thead> <tbody> <tr> <td>100%</td> <td>0%</td> <td>3-0= 3%</td> </tr> <tr> <td>From less than 100 to 95%</td> <td>1%</td> <td>3-1= 2%</td> </tr> <tr> <td>From less than 95 to 90%</td> <td>2%</td> <td>3-2= 1%</td> </tr> <tr> <td>Less than 90%, penalty will be deducted from the other due payments</td> <td>3%</td> <td>3-3= 0%</td> </tr> </tbody> </table>	Response time for providing new water supply connections	Penalty levied to the Operator	Payment payable to the Operator (As a percentage of total agreed O&M Period payment for the billing period)	100%	0%	3-0= 3%	From less than 100 to 95%	1%	3-1= 2%	From less than 95 to 90%	2%	3-2= 1%	Less than 90%, penalty will be deducted from the other due payments	3%	3-3= 0%	As per Bid Document.
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41.		Section 8 Particular Conditions of Contract	Schedule 3 Contractor's Payment 3. Payment for Operation Service	8-31	<p>It is a general industry practice to levy maximum penalties equivalent to the weightage of that respective performance parameter. Therefore we propose the Penalty B(v) as following:</p> <table border="1"> <thead> <tr> <th rowspan="2">Consumer complaint redressal efficiency</th> <th rowspan="2">Penalty levied to the Operator</th> <th rowspan="2">After Final Taking Over Date</th> <th colspan="2">Payment payable to the Operator (As a percentage of total agreed O&amp;M period payment for the billing period)</th> </tr> <tr> <th>Between Initial and Final Taking Over Dates</th> <th>After Final Taking Over Date</th> </tr> </thead> <tbody> <tr> <td>95% or above</td> <td></td> <td></td> <td>3.5%</td> <td>5%</td> </tr> <tr> <td>Less than 95%, penalty will be deducted from the other due payments</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>From less than 95 to 90%</td> <td>1%</td> <td>1%</td> <td>3.5-1= 2.5%</td> <td>5-1= 4%</td> </tr> <tr> <td>From less than 90 to 80%</td> <td>2%</td> <td>2%</td> <td>3.5-2= 1.5%</td> <td>5-2= 3%</td> </tr> <tr> <td>From less than 80 to 75%</td> <td>2.5%</td> <td>3%</td> <td>3.5-2.5= 1%</td> <td>5-3= 2%</td> </tr> <tr> <td>From less than 75 to 70%</td> <td>3%</td> <td>4%</td> <td>3.5-3= 0.5%</td> <td>5-4= 1%</td> </tr> <tr> <td>Below 70%</td> <td>3.5%</td> <td>5%</td> <td>3.5-3.5= 0%</td> <td>5-5= 0%</td> </tr> </tbody> </table>	Consumer complaint redressal efficiency	Penalty levied to the Operator	After Final Taking Over Date	Payment payable to the Operator (As a percentage of total agreed O&M period payment for the billing period)		Between Initial and Final Taking Over Dates	After Final Taking Over Date	95% or above			3.5%	5%	Less than 95%, penalty will be deducted from the other due payments					From less than 95 to 90%	1%	1%	3.5-1= 2.5%	5-1= 4%	From less than 90 to 80%	2%	2%	3.5-2= 1.5%	5-2= 3%	From less than 80 to 75%	2.5%	3%	3.5-2.5= 1%	5-3= 2%	From less than 75 to 70%	3%	4%	3.5-3= 0.5%	5-4= 1%	Below 70%	3.5%	5%	3.5-3.5= 0%	5-5= 0%	As per Bid Document
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43.		Section 8 Particular Conditions of Contract	Schedule 3 Contractor's Payment 3. Payment for Operation Service	8-31	<p>It is a general industry practice to levy maximum penalties equivalent to the weightage of that respective performance parameter. Therefore we propose the Penalty B(vii) as following:</p> <table border="1"> <thead> <tr> <th>Functionality of water meter</th> <th>Penalty levied to the Operator</th> <th>Payment payable to the Operator (As percentage of total agreed O&amp;M payment for the billing period)</th> </tr> </thead> <tbody> <tr> <td>100%</td> <td></td> <td>2%</td> </tr> <tr> <td>From less than 100 to 97%</td> <td>1%</td> <td>2-1 = 1%</td> </tr> <tr> <td>From less than 97%</td> <td>2%</td> <td>2-2 = 0%</td> </tr> </tbody> </table>	Functionality of water meter	Penalty levied to the Operator	Payment payable to the Operator (As percentage of total agreed O&M payment for the billing period)	100%		2%	From less than 100 to 97%	1%	2-1 = 1%	From less than 97%	2%	2-2 = 0%	As per Bid Document												
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44.		Section 8 Particular Conditions of Contract	Schedule 5. D Performance target and Measurement	8-39	As per the referred clause, water shall be supplied continuously at a minimum pressure of 17 m measured at the critical point.  It is a general industry practice to maintain minimum water pressure of 7 m at the critical point for continuous pressurize water supply projects. Therefore, request to modify minimum pressure to be maintained at the critical point <b>from 17 m to 7 m.</b>	As per Bid Document
45.		Section 8 Particular Conditions of Contract	Schedule 5. D Performance target and Measurement	8-39	As per the referred table, Non Revenue Water shall be maintained less than or equal to 15% DMA wise when the DMAs are commissioned and from the sectional Final takeover date to end of the contract. It is a general industry practice to keep NRW target as to 20% or below. Also it requires very high end instrumentation to bring down NRW from about current 50% to 15%. Therefore, request to make NRW target as 20% or below. Please consider and confirm.	Refer C&A 02, S.No.20
46.		General	-	-	We understand that all the existing HSCs in the service area shall be replaced with the new one. Please confirm.	As per Bid Document
47.		BoQ	Bill 5	-	As per the refereed bill, only noise correlator is provided for leak detection. From our past experience, here are some of the other equipment required for effective leak detection i.e. Ground Microphone, Mechanical/ Electronic listening stick, Noise logger etc. We request to include appropriate quantity of additional leak detection equipment in BoQ.	Bidders to include same in their cost
48.		Section 6 Employer's Requirement	6.1.9 Availability of data	6-14	We request to provide DPR along with the other available reports for better understanding and estimation of the project.	DPR will be made available to the successful bidder.
49.		General	-	-	We request you to provide the details of existing distribution system including the length and material of pipes to be retained.  In our experience, achieving performance target of less than 15% NRW would be difficult if the old pipes are retained. We presume that as per approved service improvement plan if any pipes to be replaced bidder may be allowed to do the same and the executed quantity shall be paid at actuals.	As per Bid Document
50.		General	-	-	We understand that water usage over and above the Water Demand shall be paid at the contractor's quoted rate. Please confirm.	As per Bid Document
51.		General	-	-	We understand that the liability of water related revenue collection and arrears prior to and <b>after commencement of Operations</b> is with DJB only. Please confirm.	Confirmed

Sl. No.	Bid Volume No.	Section No.	Clause/Sub Clause No.	Page No.	Bidder's Queries	Response
52.		General	-	-	We request to include condition assessment of the existing pipelines under the scope of the contractor. Also include the same in the BoQ.	Bidders to include same in their cost
53.		General	-	-	We request to provide Methodology (i.e. No. of Samples, Type of tests to be carried out etc) for conducting condition Assessment of existing Transmission and Distribution pipe lines.	As per Bid Document
54.		General	-	-	We request to provide the payment mechanism for condition assessment of pipe networks.	Refer to query above at Sl no 52
55.		Volume 5	Bill no 2A Civil works- pipe works	Page 1 of 52	We presume that civil quantities given in BOQ for pipeline works shall be inclusive of thrust block, valve chambers and crossings. Kindly confirm	Bidder to refer items under Sl no 3.0 of Bill 2 at page 2 of 52, Volume 5.
56.		Volume 3/ Volume 5	Clause 3.4.5.4/ Bill no 2	Page 27/ Page 11 of 52	As per referred clause 3.4.5.4 in Volume III particular specifications, it is mentioned as <i>"protective coating should be food grade. It shall be applied to inner side of the tank"</i> whereas in BOQ it is missing. So kindly include the same in BOQ at Mukherjee Nagar UGR location.	Refer C&A 02, S.No.13
57.		Volume 3/ Volume 5	Clause 3.1.2/ Bill no 2	Page 43	As per referred clause 3.1.2 in Volume III particular specifications, it is mentioned as <i>"The floor slab of the water retaining structures shall be finished with 50 mm thick M-25 grade screed concrete with neat finish at top surface, as required. Styrene-butadiene (SBR) copolymer latex multi-purpose admixture may be mixed with cement, or other admixtures used for designing the mix, in preparing screed concrete. For fixing the proportions manufacturer's recommendation shall be binding. The SBR admixture should be compatible with all types of OPC and other cements. The screed concrete should be abrasion resistant."</i> whereas in BOQ it is missing. So kindly include the same in BOQ.	Refer C&A 02, S.No.14
58.		Volume 5	Bill no 2	Page 14 of 52	In BOQ Item 19 page no:14 of 52, unit is missing for reinforced cement concrete quantity. We presume that it is in cum. Kindly confirm	Confirmed.
59.		Volume 3	Clause 3.4.9.3	Page 39	As per referred clause 3.4.9.3 in Volume III particular specifications, it is mentioned as <i>"Surface drains shall be provided along the sides of the roads or pavements to collect surface water."</i> whereas in BOQ it is missing. So kindly include the same in BOQ.	Bidder to refer items under Sl no 134 of Bill 2 at page 30 of 52, Volume 5.
60.		-	-	-	While designing the distribution system in WaterGEMS, parallel pipes are proposed depending on the road width and other utility crossings i.e. sewer lines etc. Kindly confirm if this has to be factored in our designs.	As per Bid Document
61.		-	-	-	We request to provide the details of existing illegal connections in the service area.	The query is not relevant at this stage.

Sl. No.	Bid Volume No.	Section No.	Clause/Sub Clause No.	Page No.	Bidder's Queries	Response
62.		-	-	-	Kindly provide the Details of NH/SH/Railway Crossings if any in the project area.	Please refer to tender drawings. However bidders are also advised to visit the site and verify.
63.		Volume-5 BOQ	6	7 of 52	As per referred clause, product pipe shall be laid using trenchless technology by Auger boring. We request you to furnish preliminary soil strata for these stretches. In addition to this please specify the tentative cover depth required for laying these pipes. We presume that only product pipe shall be installed in these trenches, there will not be any casing pipe. Kindly confirm.	Soil investigation report will be shared with successful bidder Cover depth will be as per site conditions  Confirmed.
64.		Volume-5 BOQ	5.4, 5.5 & 5.6	4 of 52	The Valve chambers for valves given under referred clause of BOQ items are not mentioned in the BOQ. Kindly provide the same in Bill of quantities in order to enable to quote for Valve Chambers	Bidder to refer items under Sl no 3.0 of Bill 2 at page 2 of 52, Volume 5.
65.		Volume-5 BOQ	5.4, 5.5 & 5.6	4 of 52	The Dismantling Joints for valves given under referred clause of BOQ items are not mentioned in the BOQ. Please provide the same.	Refer C&A 02, S. No.11
66.		Volume-5 BOQ	-	-	As the project aims to deliver continuous pressurized water supply, which requires special purpose valves viz. flow control valves, pressure reducing valve etc, we request you to include provision for these valves in the Bill of quantities	Refer C&A 02, S. No.12
67.		Volume-5 BOQ			The quantities for thrust block is not mentioned in the Bill of quantities. Kindly provide the item for the same in order to enable us to submit the price.	Bidder to refer items under Sl no 3.0 of Bill 2 at page 2 of 52, Volume 5.
68.		Volume-5 BOQ	-	11 of 52 & 32 of 52	As per bill of quantities following is our understanding for the scope of work at UGRsMukharjee Nagar- Construction of UGR and Pump House & Supply, Installation, testing and commissioning of Electromechanical & Instrumentation ItemModel Town- Supply, Installation, testing and commissioning of Electromechanical & Instrumentation Item + Repair and Renovation WorkFruit Market- Supply, Installation, testing and commissioning of Electromechanical & Instrumentation Item + Repair and Renovation WorkCD park- Supply, Installation, testing and commissioning of Electromechanical & Instrumentation Item + Repair and Renovation Work.Kindly Confirm.	As per Bid Document
69.		Volume-5 BOQ & Volume IV	7.1	8 of 52 & DJB/PM C/DWSII P/01/GE N /13	As per the referred drawing for House service Connection, we have to provide Isolating valve and the item for the same is not given under house service connection item. We request you to include isolating valve (Ball Valve) in house service connection item in order to enable us to submit the price.	Bidder to refer item no. 1.1 of Bill2 at Page 9 of 52, Volume 5



Sl. No.	Bid Volume No.	Section No.	Clause/Sub Clause No.	Page No.	Bidder's Queries	Response
70.		Volume-5 BOQ	-	11-32 of 52	As per the referred clause Itemized BOQ for piping and valve is not given for Mukarjee Nagar UGR. Kindly provide the items in bill of quantities in order to enable us to submit the prices.	Bidder to refer item no. 1 to 8 of Bill2 at Page 33 to 36 of 52, Volume 5
71.		Volume-5 BOQ	-	-	We request you to provide the details for critical measurement which has not been given in the BOQ. Please provide the same.	As per bid Document
72.		Volume-5 BOQ	-	-	We presume that hydro testing and conditional assessment of existing pipe is not included in the BOQ. Kindly clarify and Confirm.	Bidders to include same in their cost
73.		Volume 5 BOQ Volume 4 Drawings	1.0 DwgNo: DJB/PMC/DW SIIP/01/ELE/3 4	Bill - 2 - Page 38 of 52 50 of 52	As stated in the Electrical BOQ, Bidder Electrical scope of work starts from 11KV HT Panel. Whereas as per Single line diagram, Electrical scope starts from 11KV incoming cable from Azadpur and Jahangirpuri substation. We presume that Client/ Respective Electricity Board will terminate 11KV supply at 11KV HT panel. Kindly clarify.	Bidder's scope of supply starts from dismantling of existing 11 KV terminations at both Incomers and re-terminations at proposed 11 KV switchboard but O&M shall be from outgoing of the BSES metering.
74.		Volume 5 BOQ Volume 4 Drawings	1.0 DwgNo: DJB/PMC/DW SIIP/01/ELE/3 3	Bill - 2 - Page 49 of 52 46 of 52	As stated in the Electrical BOQ, Bidder Electrical scope of work starts from 415V LT Panel. Whereas as per Single line diagram, Electrical scope starts from 11KV incoming cable from Dargah & APMC package substation. We presume that Supply of Transformer and HT Panel is in client scope at fruit mandi CWP area. Kindly clarify	Bidder's scope of supply shall start from LV Switchboard but O&M shall be from outgoing of the BSES metering.
75.		Volume 5 BOQ Volume 4 Drawings	1.0 DwgNo: DJB/PMC/DW SIIP/01/ELE/3 5	Bill - 2 - Page 42 of 52 51 of 52	As stated in the Electrical BOQ, Bidder Electrical scope of work starts from 11KV HT Panel. Whereas as per Single line diagram, Electrical scope starts from 11KV incoming cable from respective substation. We presume that Client/ Respective Electricity Board will terminate 11KV supply at 11KV HT panel. Kindly confirm.	Bidder's scope of supply starts from dismantling of existing 11 KV terminations at both Incomers and re-terminations at proposed 11 KV switchboard but O&M shall be from outgoing of the BSES metering.
76.		General	-	-	From Specification and BOQ, we understand that only handheld device for meter reading is in bidder's scope. Further, connection wise meter reading, bill generation & distribution, revenue collection & customer relation management Centre etc. is included in client scope. Kindly confirm.	Bidder to refer clause no 6.1.33 at page 6-60, Section-6, Volume-1 of bid document.

Sl. No.	Bid Volume No.	Section No.	Clause/Sub Clause No.	Page No.	Bidder's Queries	Response
77.		General	-	-	From Specification and BOQ, we understand electronic test bench which are required for testing of Consumer meters are included in bidders scope of supply. Kindly confirm.	Refer C&A 02, S.No.21 Bidder to also refer clause no 6.1.34 at page 6-60, Section-6, Volume-1 of bid document.
78.		Vol – 4 Drawings & Vol 5 – BOQ – Bill 02 Instrumentation works for all four CWPS	Drg No. SCADA 36 & 2.0 & 4.0	- & 51 & 52	From referred clauses, we presume that Electromagnetic flow meter and pressure transmitter are to be provided at inlet of 70 nos. of DMA.  Kindly confirm about the availability of power supply in all DMA locations.	As per Bid Document  Bidder to refer totender clause-Volume-3 –Particular specifications-Section 6.2.2.5, Particular specification (instrumentation control & automation, SCADA, DMA flow measuring system, page-26.
79.		Vol 5 – BOQ – Bill 02 Instrumentation works for all four CWPS	5.0	52	As per referred clause, 4 Nos. chlorine analyser is mentioned in the BOQ. We presume that one of Chlorine analyser to be installed at each pumping station common delivery. Kindly clarify and confirm.	Bidder to refer tender clause-Volume-3 –Particular specifications-Section 6.2.2.5, Particular specification (instrumentation control & automation, SCADA, online chlorine measurement (UGR), page-11.
80.		Vol 5 – BOQ – Bill 02 Instrumentation works for all four CWPS & Vol – 4 Drawings	3.0 & Drg. No. Mech 28-31	52 & -	In the specified BOQ clause, 4 No. Ultrasonic type level transmitters are specified. But in referred tender drawings, in each location a reservoir with two compartments are shown. Hence, we feel that the quantity of Ultrasonic type level transmitter shall be 8 Nos. instead of 4. Kindly clarify and amend the same in BOQ.	As per Bid Document
81.		General	-	-	From the specification, drawings and BOQ, we presume that the control room buildings are already available at all locations. Kindly clarify and provide us the dimensional space and availability details for control room.	Please refer to tender drawings. However bidders are also advised to visit the site and verify.
82.		General	-	-	UPS system is not included in BOQ. And with respect to the system configuration drawing, we presume that UPS system shall be provided at all 4 Pumping station locations. Kindly clarify and confirm along with the details of the following: a. Type of battery: b. Battery backup time: c. Configuration details(redundant/non redundant):	Bidder to refer tender clause-Volume-3 –Particular specifications-Section 6.2.2.5, Particular specification (instrumentation control & automation, SCADA, page-20 and 51-55.
83.		General	-	-	We presume that the scope of supply is based on the provided BOQ only. Items / packages which are not mentioned in BOQ are excluded	The scope of supply shall be as per specifications (standard and particular specifications ) included in the bid document.

Sl. No.	Bid Volume No.	Section No.	Clause/Sub Clause No.	Page No.	Bidder's Queries	Response
					from the scope of supply (Like CCTV system, FDA System, Telephone system etc.) Kindly clarify and confirm.	Bidder should include cost of item like CCTV system, FDA System, telephone system etc under the SCADA item no1 of Bill 2 at page 51 of 52 of Volume 5.
84.		General	-	-	From the specification and scope, it is presumed that the pressurized water from CWPB are pumped directly to the downstream DMAs & house service connections without any OHTs. Kindly confirm.	Confirmed.
85.		Vol 5 – BOQ – Bill 02	1.1 & 1.2 Consumer meter	9 & 10	In the referred clause, we understand that total 86,625 water meters (21,657 non AMR water meters and 64,968 AMR water meters) to be supplied under this package for new service connections. But as per clause (Vol 5 – BOQ – Bill 02, clause 7.1.1, Pg: 20/69), total 96,162 nos. of house service connections are to be provided. From the above clauses, we presume that the water meters for balance house service connections are already available. Kindly clarify and confirm.	Confirmed.
86.		Vol 5 – BOQ – Bill 02	7.3 Consumer meter testing	8	As per referred clause, it is mentioned that 96149 Nos. of existing consumer meter (Water meter) shall be tested & reinstalled for 5 years period. We presume that this clause is in the part of O&M. Kindly clarify and confirm.	As per Bid Document
87.		General	-	-	In specification, RCC Chamber for Bulk flow meter is not included in BOQ. Kindly include and amend the BOQ.	Bidder to refer items under Sl no 3.0 of Bill 2 at page 2 of 52, Volume 5.
88.		General	-	-	From specification and BOQ, PLC / SCADA based automation system are to be provided for 4 Nos. of pumping Station (Fruit Market, CD park, Model town & Mukherjee Nagar). From Vol-4 Drawings, system architecture, we understand that Central monitoring SCADA system to be established at Mukherjee Nagar Pumping station control room & other 3 pumping station control systems are integrated with central monitoring system through GPRS based Wireless communication. Kindly clarify and confirm.	The contractor shall note that the Mukerjee Nagar pumping station shall be provided with control system as indicated in the system architecture (Vol-4 drawings).The control system shall function as a centralized SCADA center and integrate the data from the other UGRs and pumping stations control system for control and monitoring as indicated in the specifications. (Refer standard and particular requirements).In addition to the above, the Mukerjee Nagar control system shall control and monitor the facilities connected to the Mukerjee Nagar UGR and pumping station. The data will be transferred to overall centralized SCADA system to be installed at Wazirabad WTP complex or any other place as decided by DJB under other package from where monitoring of overall Wazirabad Water Supply project will be done and the SCADA system under this package will be compatible for the same. The mode of communication

Sl. No.	Bid Volume No.	Section No.	Clause/Sub Clause No.	Page No.	Bidder's Queries	Response
						under this contract shall be Global Packet Radio Services (GPRS).Required internet connectivity and any other accessories to achieve the communication and integration with the respective UGR pumping station control system and centralized SCADA center at Mukerjee Nagar shall be considered as an integral scope of work under this contract.
89.		General	-	-	Instrumentation, control & signal, Instrument Power Cable specification and BOQ is not available in Vol – 5, BOQ, Bill – 1 to 6. Kindly provide us the specification and amend the cable type and length details in BOQ.	Bidder to refer Volume-2,standard specifications, Section 6.2.1.4, standard specification (instrumentation control & automation, page-38. The cost of such cables and all related accessories shall be included under the BOQ SCADA item no1 of Bill 2 at page 51 of 52 of Volume 5.
90.		Vol – 4 Drawings	Drg No. SCADA 36 Automation System Architecture	-	With respect to the referred clause, provided Automation System Architecture drawing is illegible and the texts mentioned in the drawing are not clear. Kindly provide us the AutoCAD format of the drawing for ease in understanding.	Bidders are advised to purchase the printed copy of the tender document and refer same for more legible text.
91.		General	-	-	We request you to allow bidders to submit second set of queries after pre-bid meeting and thorough site investigation.	As per Bid Document
92.		General	-	-	In the view of extensive pre tender design and engineering and critical scope of work involved in assessing the existing infrastructure works, we require sufficient time to assess the site conditions in order to arrive at the suitable methodology to be adopted and to prepare competitive technical and commercial bid, we request you to extend the bid submission date by at least 4 weeks. Kindly consider and confirm	Refer C&A 02, S.No.22
93.		6.2.2.1 6.2.2.2	3.4.8.2.1 1.1.1	33 1	<b>It is mentioned that the ductile iron pipes &amp; fitting including specials shall be source / supplied by the same manufacturer :-</b> It may be please be noted that ductile iron pipes fitting manufactured as per IS:9523& they are compatible with DI Pipes manufactured by other manufacturers of DI Pipes. We hereby request to amend the clause & permit DI Pipes, fitting including specials to be source / supply from different manufacturers having valid BIS license in order to have healthy competitive & timely completion of project.	As per Bid Document. The fittings & special shall be supplied by the manufacturer of pipes either manufactured at their own or got manufactured under their supervision from suitable manufacturer as per relevant codes and will be responsible for compatibility and quality of the product.

Sl. No.	Bid Volume No.	Section No.	Clause/Sub Clause No.	Page No.	Bidder's Queries	Response
94.		Evaluation and Qualification Criteria Section 2	2	3-3	We understand that the Project is aimed at overall performance improvement and not only implementing physical works like the traditional works contract. Worldwide, water supply operators are responsible for the final outcome that includes improved performance of the water system in terms of reduced Non-Revenue Water, increased supply hours, improved customer related services etc. The Operator is responsible for the quality of physical works as well as management, operation and maintenance on a long term basis. However, the operators have limited experience in directly executing the physical works in comparison to the traditional civil contractors. On the basis of this, we request you to please remove the requirement of trenchless technology (which is a specialized contractor's job) and rehabilitation of reservoirs. We also request you to relax the requirement of experience of supply, laying, commissioning of 160 Km of DI pipes to 160 Km of pipes of any material.	Refer C&A 02, S.No.3& 5.
					The projects are executed through either Special Purpose Companies formed for a particular project or through the subsidiaries established in different countries. This is done either due to the statutory or contractual requirements. Malviya Nagar Water Services Project is one of these examples in Delhi. As a result, the relevant experience lies with those SPVs and subsidiaries. We therefore request you to kindly allow the bidding company to use the credentials of the group / associate companies for meeting the technical and financial requirements.	As per Bid Document
95.		O & M Payment Schedule 1 Section -8		8-24	The O&M price for the period after the Final Take Over Date is to be quoted on the basis of quantity of water. Since the bulk water shall be supplied by DJB, the operator shall receive less payment if the quantity supplied by DJB is insufficient. Therefore, we request you to change the unit to connection-months. Even during the period between Initial Take Over Date and Final Take Over Date, the unit should be changed to connection-months since the present provision does not take into account any increase in number of connections that might result in	As per Bid Document

Sl. No.	Bid Volume No.	Section No.	Clause/Sub Clause No.	Page No.	Bidder's Queries	Response
					increase in Operator's O&M cost.	
96.		Section -6	6.1.11	6-19	The Project has provision for RF based AMR metering system. However, the BOQ also has item that includes handheld units. Please clarify whether the meter reading shall be based on RF based system or driven-by / walk-by mode. Moreover, under the scope of works, the Contractor is to provide AMR enabled meters. Please clarify the type of meters to be provided under this contract.	There is provision for providing AMR and Non AMR meters and bidders to refer Volume 3, Section 6.2.2.2 – Particular Specifications(Water Supply Works) clause no 7 at page 9 - 14.
97.		Section-6	2	6-47	Since the SIP requires the topographic survey, network survey, creation of GIS maps, hydraulic modeling, customer survey etc., the period of 3 months (excluding mobilization period of 1 month) is too short. Please increase this to 7 months (excluding mobilization period).	As per Bid Document
98.		Section-6	3	6-47	The construction period of 1250 days (approx.. 3½ years) is not sufficient for providing more than 100,000 connections and about 280 Km pipelines. We request you to modify it to 4 years.	As per Bid Document
99.		Section-8	14.3C	8-9	Retention Money of 10% on every bill is extremely high. This will adversely affect the cashflow of the Contractor during the initial period. We request you to reduce it to 5% on every bill. Moreover, we request you to substitute the retention of money by a Bank Guarantee of an equivalent amount.	Refer C&A 02, S.No.18
100.		Section -8	Schedule-3, cl 3 (b)	8-29	The Fixed Payment component during O&M Period post Final Take Over Date is too low. We request you to increase it to 75%. Please appreciate that the Operator has almost 90% of the cost as fixed cost and it will be extremely difficult to operate with a 60% Fixed Payment component.	As per Bid Document
101.		Section -8	Schedule-3, cl 2 (b)	8-29	Payment Schedule for all pipelines related items in rising/feeder/distribution mains should be increased to 70%, 25% and 5% for supply at site, laying & jointing and commissioning respectively.	As per Bid Document

Sl. No.	Bid Volume No.	Section No.	Clause/Sub Clause No.	Page No.	Bidder's Queries	Response
102.	Section 3 Evaluation & qualification criteria	2.4.2 Construction Experience in Key Activities		3-10	As usual practice being followed across contracts, we request you to kindly allow the bidder to sign MoU with specialist contractor at this stage of bidding, rather than Subcontracting Agreement which will be signed after award of contract. Please confirm.	As per bid document.
103.	Section 3 Evaluation & qualification criteria	2.4.2 Qualification Requirement (iv)		3-11	<p>Refereed criteria states, "Experience in operation and management of DMA based urban water distribution system in a project area or town serving a minimum of 65,000 house service connections for a minimum period of 2 years over the last 5 years. Should include experience in SCADA controlled water supply projects with meter reading, flow meters, level transmitters, etc."</p> <p>We request you to consider the above criteria i.e., <b>DMA based Urban water distribution system and experience in SCADA controlled water supply project to be met from one or two different projects.</b> Please Confirm.</p>	Refer C&A 02, S.No.4
104.	Section 3 Evaluation & qualification criteria	2.4.2 Qualification Requirement (iv)		3-11	We understand that bidder should have experience in operating & Managing the DMA based urban water distribution system in a town having 65000 HSCs for a minimum period of 2 years over the last 5 years. Please confirm if our understanding is correct.	Refer C&A 02, S.No.4
105.	Section 3 Evaluation & qualification criteria	2.4.2 Qualification Requirement (iv)		3-11	We would like to bring to your kind notice that SCADA software generally does not have provisions of linking directly with house service meter reading. However, meter reading and its related management activities for AMR meters are being done with separate software which shall be provided by meter manufacturer. In this concern, it would not be possible for the bidders to establish SCADA experience in meter reading, hence we request you to kindly consider the experience of "successful operating SCADA implemented water supply projects". Please confirm.	Refer C&A 02, S.No.4
106.	Section 6 Employer's Requirement	Table 7 S.No.10		6-20	It is our understanding that service connections to be replaced under "Metering contract" are already been identified and the list shall be provided by DJB after award of contract. Please confirm.	Confirmed
107.	Section 6 Employer's Requirement	Table 7 S.No.11		6-20	It is our understanding that list of properties where AMR & Non AMR meters to be installed are already been identified by the DJB and shall be provided after award of contract. Please confirm.	Bidder to refer Clause No. 6.1.11, at Page 6-22 Section – 6, Volume of the Bid document
108.	Section 6	Table 7		6-20	As per the referred clause, contractor has to be made necessary	As per bid document.

Sl. No.	Bid Volume No.	Section No.	Clause/Sub Clause No.	Page No.	Bidder's Queries	Response
	Employer's Requirement	S.No.12			arrangements on temporary basis at approximately 4 Nos. It is our understanding that supply of Bulk water upto specified location is under the scope of contractor. Please confirm.	
109.	Section 6 Employer's Requirement	Table 7 S.No.19		6-21	We request you to confirm the exact No. of CRMCS to be developed including CCRMC.	As per bid document
110.	Section 6 Employer's Requirement	6.1.11		6-21	As per referred clause, the no. of meters provided in the BoQ is the estimated No. of meters at the year 2031. Request to provide the exact of No. of meters to be installed at the end of construction Period.	As per bid document
111.	Section 6 Employer's Requirement	6.1.12.1		6-23	For Interventions proposed in SIP are not part of the DPR, but required to achieve the KPIs, how the contractor is paid for these Interventions. Please provide the payment mechanism in such scenarios.	Bidder to refer clause no 37, page no 4-36 of Section-4 and Clause No. 13.5 Page No. 8-19, Section – 8, Volume-1 of the bid document.
112.	Section 6 Employer's Requirement	6.1.12.4		6-24	Request to include the procurement of Water GEMS latest software under BOQ along with No. of licenses.	As per bid document
113.	Section 6 Employer's Requirement	6.1.12.6		6-27	Request to include the cost of condition assessment of retained pipes in BoQ. Request to indicate the sampling methodology and diameter wise details of retained pipes. Please consider and Provide the same.	Refer to query above at Sl no 52 and 53
114.	Section 6 Employer's Requirement	6.1.12.8		6-30	Kindly elaborate on temporary road restoration works and method of payment to the contractor.	Bidder to refer Clause No 110(i) at Page No. 24 of Annexure C - Initial Environmental Examination, Volume 1 of Bid document.
115.	Section 6 Employer's Requirement	6.1.14		6-38	Request to include the Solar Power generation system in BoQ.	Bidder to include such cost with respective indoor & outdoor lighting system.
116.	Section 6 Employer's Requirement	6.1.14		6-39	Request to include the procurement of MIS system in BoQ along with required specifications.	Bidder to include such cost of such software with SCADA system of respective LCC
117.	Section 6 Employer's Requirement	6.1.14		6-41	As per the referred clause, contractor has to propose the Asset Replacement as a part of SIP. It is requested to provide the Payment mechanism for the Asset replacement.	It shall be similar to M,E&I items as per schedule 3 (Contractor payment), Section-8, Volume 1 of bid document.



Sl. No.	Bid Volume No.	Section No.	Clause/Sub Clause No.	Page No.	Bidder's Queries	Response
118.	Section 6 Employer's Requirement	Table 9		6-47	Considering the extensive Quantum of work, it is requested to extend the Time line for Submission of SIP from 120 days to 180 days. Please consider and confirm the same.	As per bid document
119.	Section 6 Employer's Requirement	Table 9 10		6-48	We request to link the Mile stones with respect to No. of DMAs rather than No. of HSC for better accounting.	As per bid document
120.	Section 6 Employer's Requirement	Table 10 1		6-53	Procurement of Satellite image itself takes a minimum of 30 days from NRSA, So, request DJB to procure and Provide to the contractor on award. Please consider.	As per bid document
121.	Section 6 Employer's Requirement	Table 10 2		6-53	Considering more than 1 lakh connections, we request you to consider the target period for completion of consumer survey from 60 days to 120 days. Please consider & confirm.	As per bid document
122.	3	2.4 2.4.1		Page # 3-9	<p><b>Construction Experience</b></p> <p>Participation in at least contract similar to the proposed works that has been successfully or substantially completed within the last 10 years from the date of issue of tender notice.</p> <p>One Contract of the value of the Bidder's participation exceeds INR 1085 Million or its equivalent OR</p> <p>Two Contracts each of the value of the Bidder's participation exceeds INR 723 Million or its equivalent OR</p> <p>Three Contracts each of the value of the Bidder's participation exceeds INR 542 Million or its equivalent</p> <p>We request you to confirm that if the bidder has completed the work at least of the amount required for qualification, out of the large contract can be considered for the substantially completed work.</p>	As per Bid Document
123.	3	2.4 2.4.1 (iv)		Page # 3-11	<p>Experience in operation and management of DMA based urban water distribution system in a project area or town serving a minimum of 65,000 house service connections for a minimum period of 2 years over the last 5 years.</p> <p>The experience for house service connection of 65000 is large quantity. The concept for O&amp;M is new in India and the agency who have done the O&amp;M with such quantity of HSC is very few.</p>	Refer C&A 02, S.No.4

Sl. No.	Bid Volume No.	Section No.	Clause/Sub Clause No.	Page No.	Bidder's Queries	Response
					In order to enhance the competition level in the bidding request to relax the HSC connections of 4000	
124.	3	2.4 2.4.1 (iv)	Page # 3-11		Experience in Design, construction and commissioning of trenchless technology works of 07 km or above in a single Contract in last 10 years.  The experience asked for laying the pipeline with trenchless technology of 7 Km is too high. Therefore request to kindly consider that same can be met from multiple projects.	Refer C&A 02, S.No.5
125.					<b>Existing connections</b> We understand that around 21000 connections have already been provided AMR meters, please clarify how the same AMR system will suit/compatible with the new AMR system. Otherwise bidder has to follow two separate billing mechanism, one for existing AMR Meter and one for his AMR meter. This will make things very complicated. If anything goes wrong with existing AMR, who will be responsible?	Bidders to supply the software compatible with existing AMR meters as well as with new AMR meter to be supplied under this contract so as to have single billing mechanism.
126.	Section 6 Employer Requirement				<b>Scheduled Replacement</b> It has been envisaged that all the meters has to be replaced after 7 years, please let us know how the cost for the same will be refunded.	As per Bid document
127.					<b>General</b> Please clarify if in case of failure of existing assets, how the same will be refunded.	As per Bid document
128.					General – request for due date extension We request you to kindly consider extension in the due date for submission of bid at least by another one month's time from the date of receipt of pre bid replies.	Refer C&A 02, S.No.22

**Delhi Water Supply Improvement Investment Program-Tranche-1 (ADB-47176-IND),  
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Invitation for Bids: NIT No. 4 (2017-18)**

**Corrigendum & Addendum No. 02**

S. No.	Clause reference	Corrigendum & Addendum
1.	Volume 1, Section-2, page 2-5, ITB 20.1	Add following text at the end of paragraph :  <i>“Bidder shall print/provide continuous page numbers to the documents submitted in each envelope. Bidder shall also submit the Bid Document, Corrigendum &amp; Addendum as issued duly signed and stamped along with their technical bid”</i>
2.	Volume 1, Section-3, Evaluation and Qualification Criteria	The title at left side of header from page 3-1 to 3-12 should be read as <i>“Section 3-Evaluation and Qualification Criteria”</i>
3.	Volume 1, Section-3, page 3-10, clause no 2.4.2	The sub clause (i) of clause no 2.4.2 stand deleted.  The revised sub clause (i) is as under : <i>“Supply, delivery, laying, jointing, testing and commissioning of 160 KM pressure pipes of any material such as DI / MS / CI / HDPE etc in a single contract in last 10 years”</i>
4.	Volume 1, Section-3, page 3-11, clause no 2.4.2	The sub clause (iv) of clause no 2.4.2 stand deleted.  The revised sub clause is as under : <i>“(iii) Experience in operation and management of DMA/Zone based urban waterdistribution system in a project area or town serving a minimum of 65,000 house service connections for a minimum period of 2 years over the last 5 years. Bidder should have experience in SCADA controlled water supplyprojects with flow meters, level transmitters, etc.in same or different project”</i>
5.	Volume 1, Section-3, page 3-11, clause no 2.4.2	The sub clause (v) of clause no 2.4.2 stand deleted.  The revised sub clause is as under : <i>“(iv) Experience in Design, construction and commissioning of trenchless technology works of 07 kms or above in a single or multiple Contracts in last 10 years.”</i>
6.	Volume 1, Section-3, page 3-11, clause no 2.4.2	The numbering of sub clause (vi) Experience in Design, Construction í í .. should be read as <i>“(v)”</i>
7.	Volume 1, Section-4, page 4-27, Form EXP-1:Contracts of Similar Size & Nature	The revised <i>“Form EXP-1:Contracts of Similar Size &amp; Nature”</i> is attached under <i>“Annexure- A”</i>
8.	Volume 1, Section-4, page 4-27, Form EXP-2:Construction Experience in Key Activities	The revised <i>“Form EXP-2:Construction Experience in Key Activities”</i> is attached under <i>“Annexure- B”</i>
9.	Volume 1, Section-8, page 8-24, Schedule 1: Obligation of the Employer	Point no 12 <i>“Designated Revenue Account í í .. Operation Service Period”</i> stands deleted.
10.	Volume 1, Section-8, page 8-30	Add following text at the end of 2 <sup>nd</sup> paragraph :  <i>“In the event of water supplied less than the guaranteed minimum volume for the month during the Operation Services Period the payment will be made as below:</i> <ul style="list-style-type: none"><li>• <i>For the actual volume of water supplied by DJB : Payment will be</i></li></ul>

**Delhi Water Supply Improvement Investment Program-Tranche-1 (ADB-47176-IND),  
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S. No.	Clause reference	Corrigendum & Addendum
		<p style="text-align: center;"><i>made as per Fixed and Variable portion of payments as stipulated in the Contract.</i></p> <ul style="list-style-type: none"> <li>• <i>“Only fixed payment equivalent to 80% of guaranteed minimum volume for the shortfall below 80% of guaranteed minimum volume will be paid to the contractor and no other claim in this regard will be applicable”</i></li> </ul>
11.	Volume 5- Price Bid, Bill 02, Item no 5.4, 5.5 &5.6 at page no 4 of 52	<p>Note the following modification :</p> <p><i>“All valves shall be alongwith Dismantling Joints”.</i></p>
12.	Volume 5- Price Bid, Bill 02, page no 4 of 52	<p>Description for Motorized/Electrically actuated Butterfly valve in last item at bottom of page the text under 2<sup>nd</sup> line ÷Motorized/Electrically actuated Butterfly valvesö should be read as :</p> <p><i>“Motorized/Electrically actuated modulating duty Butterfly Control Valves”</i></p>
13.	Volume 5 ó Price Bid ó Bill 02 page no 32 of 52,	<p>Add following item as 140 nos after S1 no 139 :</p> <p><i>“Providing and finishing, as specified, with Food Grade Protective Coating/ Epoxy paint (non-toxic and solvent free) with two or more coats to achieve minimum recommended DFT (usually min. 300 microns) for minimum 10 years effective life at specified locations such as UGRs, Sumps, etc. including appropriate priming coat, preparation of surface, etc. complete.ö</i> Quantity: 3900 sq.m.</p>
14.	Volume 5 ó Price Bid ó Bill 02 page no 32 of 52,	<p>Add following item as 141</p> <p><i>“Providing and laying in position M-25 grade cement concrete in screed with neat finish at top surface, as specified, including surface preparation, bonding coat, etc. Styrene-butadiene (SBR) copolymer latex multi-purpose admixture may be mixed with cement, or other admixtures used for designing the mix, in preparing screed concrete in manufacturer’s recommended proportions. ö</i> Quantity: 10 cu.m.</p>
15.	Volume 5 ó Price Bid ó Bill 02 page no 51 of 52, Instrumentation works for all four CWPS :	<p>All text from Item no 1.0 , 2.0, 3.0, 4.0, 5.0 and 1.0 for SCADA in the öcolumn 3 (Unit) and column 4 ( Quantity) should be treated as “interchanged”.</p>
16.	Volume 1, Section-8, page 8-3, Particular Conditions of Contract, clause no 9.6	<p>2<sup>nd</sup> paragraph of the clause no 9.6 ÷0.04 % of the Accepted Contract Amount of Design Build ..... is payable” stand deleted.</p> <p>The revised sub clause is as under:</p> <p><b><i>“0.01 % of the Accepted Contract Amount of Design Build works of sections or full Design Build work (excluding Operation services) on per day basis pertaining to each sections or full completion of Design Build, in the same currency / currencies in which the Design Build Contract price is payable.”</i></b></p>
17.	Volume 1, Section-8, page 8-4, Particular Conditions of Contract, clause no 14.2	<p>4th paragraph of clause no 14.2 ÷Second instalment of remaining amount í í í í í í í ..after 6 months from commencement date on submission of details of use of first instalmentö stand deleted.</p>

**Delhi Water Supply Improvement Investment Program-Tranche-1 (ADB-47176-IND),  
Delhi Jal Board  
Invitation for Bids: NIT No. 4 (2017-18)**

S. No.	Clause reference	Corrigendum & Addendum																																																
		The revised sub clause is as under:  <i>“Second instalment of remaining amount on demand by the contractor on submission of details of use of first instalment”.</i>																																																
18.	Volume 1, Section-8, page 8-4, Particular Conditions of Contract,	Clause no 14.10 “Payment of Retention Money” of GCC shall be replaced with the following clause to be added in PCC:  <i>“50% of Retention Money applicable to Completion of works can be released against Bank Guarantee after accumulation of limit of Retention Money. Balance 50% retention money can be released against Bank Guarantee within 30 days of successful commissioning of the works. The validity of these Bank Guarantees will be 6 month beyond commissioning of the works and the same will be released accordingly.</i>																																																
19.	Volume 1, Section-8, page 8-4, Particular Conditions of Contract, clause no 14.7(b)	1st paragraph of clause no 14.7(b) “2.5% of the Accepted í í í í í for Design-Build portion” stand deleted.  The revised sub clause is as under:  <i>“1.0 % of the Accepted Contract Price for Design-Build portion”</i>																																																
20.	Volume 1, Section-8, page 8-32, Particular Conditions of Contract, clause no B(ii)-Non Revenue Water	The table under clause no B(ii)-“Non Revenue Water” stand deleted  The revised table is as under :  <table border="1"> <thead> <tr> <th>Non Revenue Water</th> <th>10% or less</th> <th>11%</th> <th>12%</th> <th>13%</th> <th>14%</th> <th>15 %</th> <th>16%</th> <th>17 %</th> <th>18 %</th> <th>19%</th> <th>20 %</th> </tr> </thead> <tbody> <tr> <td>**</td> <td>20%</td> <td>19%</td> <td>18%</td> <td>17%</td> <td>16%</td> <td>15 %</td> <td><b>10%</b></td> <td><b>5 %</b></td> <td>0 %</td> <td>0%</td> <td>0%</td> </tr> <tr> <th>Non Revenue Water</th> <td>21%</td> <td>22%</td> <td>23%</td> <td>24%</td> <td>25%</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>**</td> <td>-2%</td> <td>-4%</td> <td>-6%</td> <td>-8%</td> <td>-10%</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> **.- Performance Payment (as a % of O&M Cost for the Billing Cycle)	Non Revenue Water	10% or less	11%	12%	13%	14%	15 %	16%	17 %	18 %	19%	20 %	**	20%	19%	18%	17%	16%	15 %	<b>10%</b>	<b>5 %</b>	0 %	0%	0%	Non Revenue Water	21%	22%	23%	24%	25%							**	-2%	-4%	-6%	-8%	-10%						
Non Revenue Water	10% or less	11%	12%	13%	14%	15 %	16%	17 %	18 %	19%	20 %																																							
**	20%	19%	18%	17%	16%	15 %	<b>10%</b>	<b>5 %</b>	0 %	0%	0%																																							
Non Revenue Water	21%	22%	23%	24%	25%																																													
**	-2%	-4%	-6%	-8%	-10%																																													
21.	Volume 5 “Price Bid” Bill 02 page no 8 of 52, Consumer Meter testing:	Add following item as 7.4.4 at page 8 of 52:  <i>“Designing, providing &amp; constructing test benches for testing 10 Nos 15 mm to 50 mm dia., &amp; 1 No 80 to 300 mm dia. meters including all necessary accessories like pumps, pressure gauges, piping, measuring tank, valves etc: Qty - 1 No”</i>																																																
22.	Volume 1, Section 2, Bid Data Sheet, ITB 22.1 and ITB 25.1, Corrigendum No 1	The following are revised dates:  <b><i>Last date of purchasing of bid documents: at 15:00 hrs.13-10-2017</i></b> <b><i>Last date of bid submission: at 15:00 hrs. on 16-10-2017</i></b> <b><i>Date / time of opening of technical bid: at 15:15 hrs. on 16-10-2017</i></b>																																																

**ANNEXURE - A**

**Form EXP – 1: Contracts of Similar Size and Nature**

Fill out one (1) form per contract.

<b>Contract of Similar Size and Nature</b>		
<b>Contract No. . . . . of . . . . .</b> ..	<b>Contract Identification</b>	
<b>Award Date</b>	<b>Completion Date</b>	
<b>Total Contract Amount</b>	<b>\$</b>	
<b>If partner in a Joint Venture or subcontractor, specify participation of total contract amount</b>	<b>Percent of Total</b>	<b>Amount</b>
<b>Employer's name</b> <b>Address</b> <b>Telephone number</b> <b>Fax number</b> <b>E-mail</b>		
<b>Description of the Similarity in Accordance with Criterion 2.4.1 of Section 3 (Evaluation and Qualification Criteria)</b>		
Participation in at least _____ contracts similar to the proposed works _____ that has been successfully or substantially completed within the last 10 years from the date of issue of tender notice.		
(a) One Contract of the value of the Bidder's participation exceeds <b>INR 1085 Million</b> or its equivalent <b>or</b>		
(b) Two Contracts each of the value of the Bidder's participation exceeds <b>INR 723 Million</b> or its equivalent <b>or</b>		
(c) Three Contracts each of the value of the Bidder's participation exceeds <b>INR 542 Million</b> or its equivalent		

**ANNEXURE - B**

**Form EXP - 2: Construction Experience in Key Activities**

Fill out one (1) form per contract.

<b>Contract with Similar Key Activities</b>		
<b>Contract No. . . . . of . . . . .</b>	<b>Contract Identification</b>	
<b>Award Date</b>	<b>Completion Date</b>	
<b>Total Contract Amount</b>	<b>\$</b>	
<b>If partner in a Joint Venture or subcontractor, specify participation of total contract amount</b>	<b>Percent of Total</b>	<b>Amount</b>
<b>Employer's name Address Telephone number Fax number E-mail</b>		
<b>Description of the Key Activities in Accordance with Criterion 2.4.2 of Section 3 (Evaluation and Qualification Criteria)</b>		
(i) Supply, delivery, laying, jointing, testing and commissioning of 160 KM pressure pipes of any material such as DI / MS / CI / HDPE etc in a single contract in last 10 years		
(ii) Design, supply, installation, Testing and Commissioning of pumping systems, with a cumulative capacity of 185 KW and at least one of 75 KW for water supply projects in a single Contract in last 10 years.		

<p>(iii) Experience in operation and management of DMA/Zone based urban water distribution system in a project area or town serving a minimum of 65,000 house service connections for a minimum period of 2 years over the last 5 years. Bidder should have experience in SCADA controlled water supply projects with flow meters, level transmitters, etc.in same or different project.</p>	
<p>(iv) Experience in Design, construction and commissioning of trenchless technology works of 07 kms or above in a single or multiple Contracts in last 10 years.</p>	
<p>(v) Experience in Design, construction and commissioning of reservoirs:  (a)Rehabilitation of UGRs of any capacity  (b)New UGR of minimum capacity of 3.5 ML</p>	