



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-10 (2018-19)

Corrigendum & Addendum No. 03 and Bidder's Queries and responses

Name of Work:- DWSIIP/02: Distribution System Improvement in UGR Command Areas Punjabi Bagh (G-02), Pitampura (H-06) and Lawrence Road (H-08), 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 22.03.2019, please find attached herewith Corrigendum & Addendum No. 03 and Bidder's Queries and responses. The last date for submission of Bids has been extended up to 3.00 pm (IST) on May 25, 2019.

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 only.


10/05/19
E.E(DWARKA) WTP

No. F-2(101) /EE (DWARKA) WTP/2019/

Dated: 10 .05.2019

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. Pedro Miguel Pauleta de Almeida, Urban Development Specialist, SAUW, ADB, Manila, Philippines through email palmeida@adb.org for uploading on the ADB website.
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.

Corrigendum & Addendum No. 03

S. No.	Clause reference	Corrigendum & Addendum					
1.	Section 2 Bid data Sheet, Volume-1	<table border="1"> <thead> <tr> <th data-bbox="560 517 1011 589">As per Bid Document</th> <th data-bbox="1011 517 1490 589">Replaced as</th> </tr> </thead> <tbody> <tr> <td data-bbox="560 589 1011 1301"> <p>Add the following at end of ITB 32.2 :</p> <p>The qualifications of the other firms such as Bidder’s subsidiaries, parent entities, affiliates, subcontractors shall be permitted.</p> <p>The bidder shall fill out the Affiliate Company Guarantee Form included in Section 4 (Bidding Forms) for each subsidiary, parent entity, affiliate, subcontractor, etc. that the bidder submits for consideration of the Employer in determining its qualifications.</p> </td> <td data-bbox="1011 589 1490 1301"> <p>Add the following at end of ITB 32.2 :</p> <p>The qualifications of the other firms such as Bidder’s subsidiaries, parent entities, affiliates, subcontractors shall be permitted.</p> <p>The bidder shall fill out the Affiliate Company Guarantee Form included in Section 4 (Bidding Forms) for each subsidiary, parent entity, affiliate, etc. that the bidder submits for consideration of the Employer in determining its qualifications.</p> </td> </tr> </tbody> </table>	As per Bid Document	Replaced as	<p>Add the following at end of ITB 32.2 :</p> <p>The qualifications of the other firms such as Bidder’s subsidiaries, parent entities, affiliates, subcontractors shall be permitted.</p> <p>The bidder shall fill out the Affiliate Company Guarantee Form included in Section 4 (Bidding Forms) for each subsidiary, parent entity, affiliate, subcontractor, etc. that the bidder submits for consideration of the Employer in determining its qualifications.</p>	<p>Add the following at end of ITB 32.2 :</p> <p>The qualifications of the other firms such as Bidder’s subsidiaries, parent entities, affiliates, subcontractors shall be permitted.</p> <p>The bidder shall fill out the Affiliate Company Guarantee Form included in Section 4 (Bidding Forms) for each subsidiary, parent entity, affiliate, etc. that the bidder submits for consideration of the Employer in determining its qualifications.</p>	
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2.	Section-4, Affiliate Company Guarantee-Note, Volume-1	<table border="1"> <thead> <tr> <th data-bbox="560 1341 1011 1413">As per Bid Document</th> <th data-bbox="1011 1341 1490 1413">Replaced as</th> </tr> </thead> <tbody> <tr> <td data-bbox="560 1413 1011 1839"> <p>If permitted in accordance with ITB 32.2 of the BDS, the Bidder shall fill out the affiliate Company Guarantee Form for each subsidiary, parent entity, affiliate, subcontractor etc. that the bidder submits for consideration of the Employer in determining its qualifications.</p> </td> <td data-bbox="1011 1413 1490 1839"> <p>If permitted in accordance with ITB 32.2 of the BDS, the Bidder shall fill out the affiliate Company Guarantee Form for each subsidiary, parent entity, affiliate etc. that the bidder submits for consideration of the Employer in determining its qualifications.</p> </td> </tr> </tbody> </table>	As per Bid Document	Replaced as	<p>If permitted in accordance with ITB 32.2 of the BDS, the Bidder shall fill out the affiliate Company Guarantee Form for each subsidiary, parent entity, affiliate, subcontractor etc. that the bidder submits for consideration of the Employer in determining its qualifications.</p>	<p>If permitted in accordance with ITB 32.2 of the BDS, the Bidder shall fill out the affiliate Company Guarantee Form for each subsidiary, parent entity, affiliate etc. that the bidder submits for consideration of the Employer in determining its qualifications.</p>	
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3.	Clause 14.7(b) at page 8-5 under Section 8, PCC of Volume 1	<p>Replace clause “14.7 (b) Minimum Amount of Interim Payment Certificate” with the following;</p> <ul style="list-style-type: none"> • 1% of the Accepted Contract Price for Design-Build portion • Payment on Monthly basis for Operational Services without ceiling 					

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4.	Para 2 Parameter at Page 8-53 under section 8 of Volume-1	<p>Replace the para a. “ SI shall be..... to both (i0 and (ii)” with following:</p> <p>a. System Input Volume (SI) shall be measured as below:</p> <p>(i) DMA wise: SI shall be measured DMA wise for the commissioned DMA upon sectional completion. The Quantity of bulk water supplied in a particular month at each DMA shall be measured at Inlet of each DMA as recorded with bulk flow meter to be installed at the inlet of each DMA.</p> <p>(ii) Project wise: SI shall be measured Project wise when all DMA’s have been commissioned i.e. when final O&M period will start. The Quantity of bulk water supplied in a particular month in project area shall be sum of bulk water supplied from all UGR’s in project command areas, recorded with bulk flow meters to be installed at the outlet of each UGR/Pumping Station.</p>																																																															
5.	Para 6.1.8.3, Section-6, Page no. 6-13, Volume-1	<p>Details of L&T AMR Meters within Package DWSIIP/02command area are given below:</p> <table border="1" data-bbox="624 992 1425 1821"> <thead> <tr> <th>S.No.</th> <th>O&M Completion Date</th> <th>No. of AMR Meters</th> </tr> </thead> <tbody> <tr><td>1.</td><td>01 January 2021</td><td>15103</td></tr> <tr><td>2.</td><td>01 April 2021</td><td>4930</td></tr> <tr><td>3.</td><td>01 July 2021</td><td>3143</td></tr> <tr><td>4.</td><td>01 October 2021</td><td>1839</td></tr> <tr><td>5.</td><td>01 January 2022</td><td>873</td></tr> <tr><td>6.</td><td>01 April 2022</td><td>1087</td></tr> <tr><td>7.</td><td>01 July 2022</td><td>261</td></tr> <tr><td>8.</td><td>01 October 2022</td><td>106</td></tr> <tr><td>9.</td><td>01 January 2023</td><td>147</td></tr> <tr><td>10.</td><td>01 April 2023</td><td>117</td></tr> <tr><td>11.</td><td>01 July 2023</td><td>151</td></tr> <tr><td>12.</td><td>01 October 2023</td><td>103</td></tr> <tr><td>13.</td><td>01 January 2024</td><td>69</td></tr> <tr><td>14.</td><td>01 April 2024</td><td>98</td></tr> <tr><td>15.</td><td>01 July 2024</td><td>91</td></tr> <tr><td>16.</td><td>01 October 2024</td><td>83</td></tr> <tr><td>17.</td><td>01 January 2025</td><td>718</td></tr> <tr><td>18.</td><td>01 April 2025</td><td>504</td></tr> <tr><td>19.</td><td>01 July 2025</td><td>20</td></tr> <tr> <td colspan="2" style="text-align: right;">Total Nos.</td> <td>29,443</td> </tr> </tbody> </table>	S.No.	O&M Completion Date	No. of AMR Meters	1.	01 January 2021	15103	2.	01 April 2021	4930	3.	01 July 2021	3143	4.	01 October 2021	1839	5.	01 January 2022	873	6.	01 April 2022	1087	7.	01 July 2022	261	8.	01 October 2022	106	9.	01 January 2023	147	10.	01 April 2023	117	11.	01 July 2023	151	12.	01 October 2023	103	13.	01 January 2024	69	14.	01 April 2024	98	15.	01 July 2024	91	16.	01 October 2024	83	17.	01 January 2025	718	18.	01 April 2025	504	19.	01 July 2025	20	Total Nos.		29,443
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6.	Schedule 3: Contractor’s Payment at Page 8-41 of Vol-I of bid documents.	<p>Replace para 2 a and 2b with following text:</p> <p>“</p> <p>a. For water supply distribution system including all pipeline accessories DMA wise</p> <p>i. 65% of the cost of pipeline on supply and stacking of material at site, maximum up to 10 Km length of pipes un-laid.</p>																																																															

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		<ul style="list-style-type: none"> ii. 20% of the cost of pipeline on laying and 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 iii. 15% on commissioning on successful demonstrating of the performance indicators of NRW and pressure in the DMA for the 3 months testing period. <p>b. For Rising mains, common feeder mains and other pipelines including all pipeline accessories</p> <ul style="list-style-type: none"> i. 65% of the cost of pipeline on supply and stacking of material at site, maximum up to 10 Km length of pipes un-laid. ii. 20% of the cost of pipeline on laying and 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 iii. 15% on commissioning on successful demonstrating of the performance indicators of NRW and pressure in the DMA for the 3 months testing period.
7.	Clause 4.2 at page 8-2 & 8-3, Section 8 -Particular Conditions of Contract of Vol-I	<p>Replace 5th para under clause 4.2 with following text:</p> <p>“Return of Performance Security <i>Design-Build Performance Security:</i> 75% to be released at the end of the Retention Period (365 days after issuance of the Commissioning Certificate) 25% to be released after issue of Contract Completion Certificate”</p>
8.	Clause 1.14 “Compliance with laws” (first instance) at page 8-9 under section-8 of Vol-1 of Bid document	<p>Add following text at end of clause 1.14: However statutory charges to obtain approvals required for any parts of the works shall be initially be paid by contractor; which will be later reimbursed and to be borne by employer.</p>
9.	Para “6.1.21 Preparatory Period”, Section-6, volume-1	<p>Replace 1st, 2nd and 3rd para under clause 6.1.21 with following text:</p> <p>This Preparatory period will also include simultaneous transition period of 120 days within which the Contractor is required to take over from the Employer all the facilities within the service area for operation and maintenance.</p> <p>During the mobilisation period of thirty days and initial One Hundred Twenty days of Preparatory period, the DJB shall continue to be responsible to provide water supply services and collect charges in the Service area and</p>

S. No.	Clause reference	Corrigendum & Addendum
		<p>operate and maintain and repair the facilities in accordance with applicable laws and performance standards and requirements in force. The Employer will handover/ensure handover of the facilities in the service area to the Contractor one week before the completion of 120 days of transition period.</p>
10.	Para 2 at page 6-38, of Section 6, volume-1	Para 2 at page 6-38 “Design of the solar.....Contract” Stands deleted.
11.	Para 2.4.1.3 at page 3-10, under Section 3 of volume 1	<p>Replace Para 2.4.1.3 with following text</p> <p>“Participation in at least one contract that have been successfully completed or is under operation and maintenance for minimum of 2 years within last 5 years prior to bid submission date, where the scope of works under the contract for operation and maintenance includes DMA/Zone based urban water distribution system with service connections of serving minimum 55,200 house hold or 2,76,000 population. Should have experience in SCADA controlled water supply projects with flow meters, level transmitters, etc.in same or different project.”</p>
12.	1st para of clause “2 Qualification” at page 3-3, under Section 3 of volume 1	<p>Replace 1st para of clause “2 Qualification” with following text It is the legal entity or entities comprising the Bidder, and not the Bidder’s parent companies, subsidiaries, or affiliates, that must satisfy the qualification criteria described below. However, bidder may avail Construction experience of parent company/subsidiary/affiliates and An undertaking from parent company/subsidiary/affiliates need to be submitted along with the bid to effect that “A Parent Company guarantee in the sample form set out in the tender documents or in another form approved by the Employer shall be provided within 28 days after receiving the letter of acceptance”.</p>
13.	Para 31.2 of preamble of volume-6 price bid	<p>Replace Para 31.2 with the following:</p> <p>31.2 For the period between Final Taking Over Date to Contract Completion: Based upon the ML of water supplied to the service area measured at the outlet of all the 3 UGR’s within the project area. Once all the DMA’s are commissioned, Design Build Period will be over and Final O&M period will start. The payment will be made as per the MLD of water supply to all DMA’a from the 3 UGR’s with the guaranteed minimum payment towards the guaranteed estimated year wise water supply quantity as per Section 6: Employers Requirements. In case of completion of Sections, monthly fee for operational services for commissioned DMA shall be paid for the quantity of water supplied to the commissioned DMA’s in ML, measured at the inlet of DMA, at the unit rate quoted by bidder for year 1 at “Bill 3 Operation services, Item Bi Year 1”. The start of “Year 1” mentioned at “Item B After Final Taking Over Date “shall be reckoned on the date of commissioning of all DMA’s i.e. when final O&M period will start.</p>

Delhi Water Supply Improvement Investment Program – tranche – 1 (ADB-47176-IND), Delhi Jal Board

Invitation for Bids: NIT No. 10 (2018 – 19)

Package – DWSIIP/02: Distribution System Improvement in UGR Command Areas Punjabi Bagh (G-02), Pitampura (H-06) and Lawrence Road (H-08), Targeting Continuous Pressurized Water Supply and DMA based NRW Reduction and Providing House service connections

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14.	Item no. 6 under Bill no. 1(a) PART-G MISLLENOUS under volum-6 price bid	Complete row under item 6 “Steel recovery at the 50% -kg-522678.00” stands deleted.																												
15.	Volume- 3 Section 6.2.2.3 – Particular Specifications (Mechanical Works)	Replace Complete Section 6.2.2.3 – Particular Specifications (Mechanical Works) with revised Particular Specifications (Mechanical Works) given at Annexure-1																												
16.	Item no. 6.0,6.1,6.2 E &F under “Bill no. 1(b)- design-Build: Electro mechanical Works” of volume-6 price bid	<p>Replace Item no. 6.0,6.1,6.2 E &F with following items</p> <table border="1"> <tr> <td>6.0</td> <td>Control & Instrumentation Cables</td> <td></td> <td></td> </tr> <tr> <td>6.1</td> <td>Power cable 3C-2.5 for Field Instruments @ avg.30 Mtr. and for DMA @ avg.10 Mtrs</td> <td>Mtrs</td> <td>2110</td> </tr> <tr> <td>6.2</td> <td>Instrument cable 1P-1.5 for Field Instruments @ avg30 Mtrs. and for DMA @ avg10 Mtrs</td> <td>Mtrs</td> <td>2500</td> </tr> <tr> <td>E</td> <td>SCADA for Package DWSIIP/02</td> <td></td> <td></td> </tr> <tr> <td></td> <td>Supply, erection, testing & commissioning of Instrument control panel along with PLC/SCADA System and associated software & hardware, printer, modem ups etc. for 1 set for each of pumping station</td> <td>Set</td> <td>3</td> </tr> <tr> <td>F</td> <td>RTU for Package DWSIIP/02</td> <td></td> <td></td> </tr> <tr> <td></td> <td>Supply, erection, testing & commissioning of Remote I/Os (RTU) panels with PLC, Modem and other accessories for 50 nos. DMAs.</td> <td>Set</td> <td>50</td> </tr> </table>	6.0	Control & Instrumentation Cables			6.1	Power cable 3C-2.5 for Field Instruments @ avg.30 Mtr. and for DMA @ avg.10 Mtrs	Mtrs	2110	6.2	Instrument cable 1P-1.5 for Field Instruments @ avg30 Mtrs. and for DMA @ avg10 Mtrs	Mtrs	2500	E	SCADA for Package DWSIIP/02				Supply, erection, testing & commissioning of Instrument control panel along with PLC/SCADA System and associated software & hardware, printer, modem ups etc. for 1 set for each of pumping station	Set	3	F	RTU for Package DWSIIP/02				Supply, erection, testing & commissioning of Remote I/Os (RTU) panels with PLC, Modem and other accessories for 50 nos. DMAs.	Set	50
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17.	Para D at Page 8-53 under section 8 of volume-1	Replace first 5 rows of table under Para D with following rows:																												
	<table border="1"> <tr> <td>1.</td> <td>Parameter</td> <td>(B-i) Continuity of Water Supply (24x7) - must be provided to the properties with authorized connection(s) - to be applicable DMA wise after a) Between Initial and Final Taking Over Dates and b) After Final Taking Over Date till end of Contract.</td> </tr> <tr> <td></td> <td>Minimum Service Level</td> <td> a) Between Initial and Final Taking Over Dates Following existing service level parameters will be set at the time of initial handing over : <ul style="list-style-type: none"> • Duration of water supply hours, and • Minimum head of water at critical point 100% of the pressure readings during water supply hours to be maintained at a minimum head of water at critical point </td> </tr> </table>	1.	Parameter	(B-i) Continuity of Water Supply (24x7) - must be provided to the properties with authorized connection(s) - to be applicable DMA wise after a) Between Initial and Final Taking Over Dates and b) After Final Taking Over Date till end of Contract.		Minimum Service Level	a) Between Initial and Final Taking Over Dates Following existing service level parameters will be set at the time of initial handing over : <ul style="list-style-type: none"> • Duration of water supply hours, and • Minimum head of water at critical point 100% of the pressure readings during water supply hours to be maintained at a minimum head of water at critical point																							
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			<p>b) After Final Taking Over Date till end of Contract. 100% of the pressure readings maintained at a minimum 17 meters of water at critical point.</p> <p>To be achieved at the end of District Metering Area (DMA) commissioning date and maintained throughout the contract period till the end of the Contract. Less than 80% compliance will attract penalty.</p>			
	Measured By		<p>One CMP will be established in each DMA as per approved Service Improvement Plan (SIP). Readings at the CMPs will be taken on hourly basis during supply hours.</p> <p>No. of hours water pressure is equal to or more than the required pressure at critical points – (a).</p> <p>a) Between Initial and Final Taking Over Dates: Value of required pressure at critical points = Existing service level water head DMA passes (complies) if $100 \times a / (\text{Supply Hours}) \geq 90$ i.e., if 90% or more of the time the pressure in the critical point of the DMA is equal to or more than the required pressure.</p> <p>b) After Final Taking Over Date till end of Contract Value of required pressure at critical points = 17 m DMA passes (complies) if $100 \times a / 24 \geq 90$ i.e., if 90% or more of the time the pressure in the critical point of the DMA is equal to or more than the required pressure.</p> <table border="1" data-bbox="587 1361 1461 1637"> <tr> <td data-bbox="587 1361 880 1637">Compliance per billing cycle in the whole contract area</td> <td data-bbox="880 1361 957 1637">(B) =</td> <td data-bbox="957 1361 1461 1637"> <math display="block">\frac{100 \times \text{Total number of DMAs complying the requirement (complying DMA-Days) during the billing cycle}^{\#}}{\text{Total number of DMAs} \times \text{No. of days (Total DMA-Days) in the billing cycle}}</math> </td> </tr> </table>	Compliance per billing cycle in the whole contract area	(B) =	$\frac{100 \times \text{Total number of DMAs complying the requirement (complying DMA-Days) during the billing cycle}^{\#}}{\text{Total number of DMAs} \times \text{No. of days (Total DMA-Days) in the billing cycle}}$
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	Monitored By		<p>An electronic registry maintained by the Contractor; the registry shall include detailed database and summary tables pressure logs at each of the CMP</p> <p>The pressure log database shall include:</p> <ul style="list-style-type: none"> ▪ Time and date ▪ CMP identification number ▪ Pressure in meters 			

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			Allowable Exclusions	<ul style="list-style-type: none">i. Planned maintenance periods not exceeding 8 hours eachii. Interruption due to mains bursts not exceeding 12 hoursiii. Shortage of bulk water supplied by bulk supply provideriv. Third party causes like power failure and fire fighting <p>In the event of non-availability of bulk potable water to the 4 No UGRs, the Contractor shall make alternate arrangements to supply potable water for minimum demand of the consumers at 40 lpcd within 6 (six) hours through tankers or any other means. The payment for the same shall be made by the Employer at the rate contract rates decided yearly.</p>
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18.	Table of adjustment Data Under section 4 –Bidding forms of Volume-1	Replace complete Tables of Adjustment Data with following:			
Tables of Adjustment Data					
Table A - Local Currency					
<div style="border: 1px solid black; padding: 2px; display: inline-block;">To be entered by the bidder</div>					
Table A1. For Design Build services					
Index Code	Index Description	Source of Index	Base Value and Date	Bidder's Local Currency Amount	Bidder's Proposed Weighting
—	Nonadjustable	—	—	—	A: <u>0.15</u>
IL	Consumer Price Index tor Industrial Workers (CPI -IW) for Delhi	Labour Bureau, Government of India			L: _____
Le	Wholesale Price Index for Cement and Lime	Reserve Bank of India Journal			C: _____
Ls	Wholesale Price Index for mild steel - long products	Reserve Bank of India Journal			S: _____
F	Wholesale Price Index for Rubber and Plastic Product	Reserve Bank of India Journal			H: _____
P	Wholesale Price Index for Machinery and Machine Tools	Reserve Bank of India Journal			R: _____
IM	Wholesale price index (all commodities)	Reserve Bank of India Journal			O: _____
Total					1.00

Table A2. For Operation Services

To be entered by the bidder					
Index Code	Index Description	Source of Index	Base Value and Date	Bidder's Local Currency Amount	Bidder's Proposed Weighting
—	Nonadjustable	—	—	—	A: <u>0.15</u>
IL	Consumer Price Index for Industrial Workers (CPI -IW) for Delhi	Labour Bureau, Government of India			L: _____
IM	Wholesale price index (all commodities)	Reserve Bank of India Journal			O: _____
Total					1.00

- Note -

As per GCC 1.1.3.1, "Base Date" means the date 28 days prior to the latest date for submission of the bid.

Tables of Adjustment Data shall only be included if prices are to be quoted as adjustable prices in accordance with ITB 14.5.

The Index code and weightage should be read in conjunction with formula specified under Clause "4. Adjustment for changes in costs" at Schedule 3 of Particular conditions.

- | | | |
|-----|--|--|
| 19. | Clause "4.Adjustment for changes in costs" at section -8 of volume-1: at page 8-46 to 8-49 | Replace clause "4.Adjustment for changes in costs" with following text : |
|-----|--|--|

Price Variation shall be applicable for Design Build and works portion (Asset Replacement Fund) of the Operation Services Contract. This shall also include extension in the Stipulated Date of completion on account of reasons other than those attributable to the Contractor. No price variation will be made where the extension in Stipulated Date of Completion is because of default of Contractor. The decision of Employer shall be final and binding on the Contractor.

In case of extension in the date of completion of Works Contract, the compensation under price variation shall be limited to indices prevailing at the time of Stipulated period of Completion or as prevailing for the period under consideration, whichever is less, provided that, if an extension of time is granted in

accordance with Sub-Clause 9.3 [Extension of Time for Completion], the above provision shall apply to the extended Time for Completion.

The amount payable to the Contractor and valued at base prices in accordance with the payment Schedule shall be adjusted for rise or fall in the cost of labor and material by the addition or deduction of the amounts determined by the formulae given in this Sub-Clause and shall be based on Reserve Bank of India (RBI) indices for material and labour. In cases where the "currency of index" is not the relevant currency of payment, each index shall be converted into the relevant currency of payment at the selling rate, established by the central bank of the Country, of this relevant currency on the above date for which the index is required to be applicable. This clause is operative both ways, i.e. if the price variation as calculated is on the plus side, payments on account of the price variations shall be allowed to the contractor and if it is on the negative side, the Employer shall be entitled to recover the same from the Contractor and the amount shall be deductible from any amounts due and payable under the Contract. To the extent that full compensation for any rise or fall in costs to the Contractor is not covered by the provision of this or any other clause in the Contract, the Contract Price shall be deemed to include amounts to cover the contingency of such other rise or fall in costs.

The amount to be added to or deducted from Interim Payment Certificates for changes in cost and legislation shall be determined from formulae for the currency in which the Contract Price is payable and for each of the civil works, electrical and mechanical works, installation, testing and commissioning work and Operation Services Contract as priced in the Schedule.

Adjustment Formula-The Price Adjustment factor shall be determined in general by the following formula.

Increase or decrease in the cost of component shall be calculated quarterly. The first statement of price adjustment shall be prepared at the end of three months from the month in which the work was deemed to be started and the work done from the date of start to the end of this period shall be taken into account. For subsequent statements, the cost of work done during every quarter shall be taken into account. At the completion of work, the work done during the last quarter or portion thereof shall be taken into account.

For the purposes of reckoning the work done during any period, the bills prepared during the period shall be considered. The dates of recording measurements in the measurement book by the Engineer shall be the guiding factor to decide the bills relevant to any period. The date of completion, as finally recorded by the Engineer in the measurement book, shall be the criterion.

For working out the weightage of the values of components in the work, fixed weightage of 0.15 for non-adjustable component is to be taken and sum of weightage of all adjustable components should be taken as 0.85. Total weightage of all components should be taken as 1.0 including weightage of non-adjustable and adjustable components. The base date shall be taken as 28 days before the last date of submission of final bid by the bidders.

(a) LABOUR

$$VL = L \times R (IL1 - ILo) / ILo$$

VL = Increase or decrease in the cost of work during the quarter under consideration . R = Value of the work done during the quarter under consideration.

ILO= Base Price which is Consumer Price Index for Industrial Workers (CPI -IW) for Delhi issued by Labour Bureau, Government of India on the base date.

IL1= Final price which is Consumer Price Index for Industrial Workers (CPI -IW) for Delhi issued by Labour Bureau, Government of India (average for the quarter under consideration)

L= Weightage of labour components.

(Note: In case of revision of minimum wages by the Government or other competent authority, nothing extra would be payable except the price escalation permissible under this Clause).

(b) Cement (excluding material supplied by the department).

$$V_c = C \times R (L_{ei} - L_{eo}) / L_{eo}$$

Vc= Increase or decrease in the cost during the quarter under consideration.

R= Value of the work done during the quarter under consideration excluding the cost of material supplied by the department.

L_{eo}= Base price which is Wholesale Price Index for Cement and Lime issued by Reserve Bank of India Journal on the base date

L_{ei}= Final price which is the Wholesale Price Index for Cement and Lime issued by Reserve Bank of India (average for the quarter under consideration)

C= Weightage of Cement component.

(d) Steel, Metallic Pipes and Specials (excluding material supplied by the department).

$$V_s = S \times R (L_{si} - L_{so}) / L_{so}$$

Vs= Increase or decrease in the cost during the quarter under consideration.

R = Value of the work done during the quarter under consideration excluding the cost of material supplied by the department.

L_{so} = Base price which is the Wholesale Price Index for mild steel - long products issued by Reserve Bank of India on the base date

L_{si} = Final price (average for the quarter under consideration) which is the Wholesale Price Index for mild steel - long products issued by Reserve Bank of India

S= Weightage of steel component.

(e) MDPE/PVC Pipes and Specials:

$$V_p = H \times R (F_i - F_a) / F_a$$

V_p = Increase or decrease in the cost of work during the quarter under consideration.

R = The value of the work done during the quarter under consideration excluding the cost of materials supplied by the department.

F_a = Base price which is the Wholesale Price Index for Rubber and Plastic Product issued by Reserve Bank of India on the base date.

F_i = Final price (average for the quarter under consideration) which is the Wholesale Price Index for Plastic Products issued by Reserve Bank of India.

H = Weightage of HDPE/PVC resin.

(f) Plant and Machinery and Spares:

$$V_t = PM \times R (P_i - P_o) / P_o$$

V_t = Increase or decrease in the cost of work during the quarter under consideration.

R = The value of the work done during the quarter under consideration excluding the cost of materials supplied by the department.

P_o = Base price which is Wholesale Price Index for Machinery and Machine Tools issued by Reserve Bank of India on the base date.

P_i = Final price (average for the quarter under consideration) which is the Wholesale Price Index for Machinery and Machine Tools issued by Reserve Bank of India.

PM = Weightage of Construction machinery component.

(g) Other Material:

$$V_M = O \times R (I_{M1} - I_{M0}) / I_{M0}$$

V_M = Increase or decrease in the cost during the quarter under consideration.

R = Value of the work done during the quarter under consideration excluding the cost of materials supplied by the department.

I_{M0} = Base price which is Wholesale price index (all commodities) published in Reserve Bank of India Journal on the base date.

IM1= Final price (average for the quarter under consideration) which is the wholesale price index (all commodities) published in Reserve Bank of India Journal. O=Weightage of other material components

The cost indices or reference prices stated in the table of adjustment data in section 4 shall be used.

Adjustment for changes in Cost will be applicable for the amount of work carried out by the Contractor with in stipulated completion period or extended contract period for which delay is not attributable to the Contractor.

The price adjustment will be calculated on the date of removing hindrance for the cost of actual work done up to the stipulated completion period or the extended contract period for which delay is not attributable to the Contractor, as the case may be. It is further clarified that there may be hindrances that on handling may not lead to overall delay in the project and there can be hindrances which might lead to contract period being extended with delay not attributable to the Contractor.

Adjustment for the work items valued on the basis of Cost or current prices or new rate items shall be applicable from the next quarter in which new rate has been given.

Adjusted Amount: The adjusted amount of each Payment Certificate may be subject to any deductions there from for liquidated damages, and any other monies due to the Employer from the Contractor including the recovery of advance amounts, if any.

Items not to be included in the Price Adjustment Calculation: The following items are not to be included in the price adjustment calculation:

- (a) Liquidated damages.
- (b) Retention withheld and released.
- (c) Advance payments in the form of loans and their repayments.
- (d) Payment to 'nominated' Sub-Contractors included as 'provisional sums'.

6. Adjustment for changes in costs for Operation Services:

For working out the weightage of the values of components in the work, fixed weightage of 0.15 for non-adjustable component is to be taken and sum of weightage of all adjustable components should be taken as 0.85. Total weightage of all components should be taken as 1.0 including weightage of non-adjustable and adjustable components. The base date shall be taken as 28 days before the last date of submission of final bid by the bidders.

All Operation Services under this Contract shall be governed in accordance to the adjustments for change in costs as provided in above clauses and based on following formula :

(A) LABOUR

$$VL = L \times R (IL1 - ILo) / ILo$$

VL = Increase or decrease in the cost of work during the quarter under consideration . R = Value of the work done during the quarter under consideration.

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IL₀= Base Price which is Consumer Price Index for Industrial Workers (CPI -IW) for Delhi issued by Labour Bureau, Government of India on the base date.

IL₁= Final price which is Consumer Price Index for Industrial Workers (CPI -IW) for Delhi issued by Labour Bureau, Government of India (average for the quarter under consideration)

L= Weightage of labour components.

(Note: In case of revision of minimum wages by the Government or other competent authority, nothing extra would be payable except the price escalation permissible under this Clause).

(B) Other Material:

$VM = O \times R (IM_1 - IM_0) / IM_0$

VM= Increase or decrease in the cost during the quarter under consideration.

R= Value of the work done during the quarter under consideration excluding the cost of materials supplied by the department.

IM₀= Base price which is Wholesale price index (all commodities) published in Reserve Bank of India Journal on the base date.

IM₁= Final price (average for the quarter under consideration) which is the wholesale price index (all commodities) published in Reserve Bank of India Journal. O=Weightage of other material components

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Annexure-1

Section 6.2.2.3 – Revised Particular Specifications (Mechanical Works)

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1. HORIZONTAL CENTRIFUGAL PUMPS

Sr. No.	Description	Pitampura		Lawrence Road		Punjabi Bagh	
i)	Design Capacity (m ³ /hr)	1624	488	2650	795	1112	335
ii)	Total Head (m)	25		35		29	
iii)	Quantity	3Nos - 2W+1S	3Nos - 2W+1S	3Nos - 2W+1S	3Nos - 2W+1S	3Nos - 2W+1S	3Nos - 2W+1S
iv)	Synchronous Speed at 50 Hz rpm (maximum)	1450		1450		1450	
v)	Direction of Rotation	Clockwise, from the driven end					
vi)	Minimum pump efficiency at duty point	85%					

Note : The duty parameters indicated above are indicative only, bidders to verify the same and supply the equipment's as per their approved service improvement plan (SIP) & hydraulic model study during execution.

2. SLUICE VALVES

Sr. No.	Description	Pitampura					Lawrence Road					Punjabi Bagh					
i)	Size	700	600	350	300	900	800	700	450	400	1100	600	450	300	250	800	900
ii)	Quantity (nos) - Motorised	3	3	3	3	1	3	3	3	3	1	3	3	3	3	1	Nil
	Quantity (nos) - Manual	Nil	Nil	Nil	Nil	Nil	Nil	4	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	2
iii)	Pressure Rating PN	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
iv)	Type of Operation Mot – Motorised/																

Note :

1. *The Sizes indicated above are indicative only, bidders to verify the same and supply the equipment's as per their approved service improvement plan (SIP) & hydraulic model study during execution.*
2. *All valves shall be fitted along with Dismantling Joints as an essential aid during the installation and removal of pipe sections and valves.*

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3. NON RETURN VALVES

Sr.No.	Description	Pitampura			Lawrence Road			Punjabi Bagh		
i)	Size (mm)	600	300	900	700	400	1100	450	250	800
ii)	Quantity (nos)	3	3	1	3	3	1	3	3	1
iii)	Rating (PN)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

Note : The Sizes indicated above are indicative only, bidders to verify the same and supply the equipment's as per their approved service improvement plan (SIP) & hydraulic model study during execution.

4. SS EXPANSION BELLOWS

Sr. No.	Description	Pitampura							Lawrence Road						Punjabi Bagh					
i)	Size	700	600	350	300	800	900	800	700	450	400	900	1100	600	450	300	250	800	900	
ii)	Quantity (nos)	3	3	3	3	1	2	3	7	3	3	1	2	3	3	3	3	2	3	
iii)	Pressure Rating PN	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	

Note : The Sizes indicated above are indicative only, bidders to verify the same and supply the equipment's as per their approved service improvement plan (SIP) & hydraulic model study during execution.

5. PIPES AND FITTINGS

Sr. No.	Description	Pitampura, Lawrence Road, Punjabi Bagh
i)	DI pipe (K7 & K9), fittings & Specials	As per specifications bill of materials, drawings for complete installation of suction & delivery line including suction bell mouth & suction puddle pipe etc. as required.

6. AIR VALVES

Sr. No.	Description	Pitampura	Lawrence Road	Punjabi Bagh
i)	Size (mm)	150	150	150
ii)	Quantity (nos.)	1	1	1

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iii)	Rating (bar)	10	10	10
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7. ELECTRICALLY OPERATED OVERHEAD TRAVELLING CRANE

Sr. No.	Description	Pitampura	Lawrence Road	Punjabi Bagh
i)	Capacity (tonnes)	Existing Crane to be retain.	5 T (New)	3 T (New)
ii)	Quantity		1	1
iii)	Class		II	II
iv)	Lift (m)		9.75	8.5
v)	Span (m)		9.95	9.5
vi)	Length of the runway (m)		34.5	33

Note : The Sizes indicated above are indicative only, bidders to verify the same and supply the equipment's as per their approved service improvement plan (SIP) & hydraulic model study during execution.

8. EXHAUST FANS

Sr. No.	Description	Pitampura	Lawrence Road	Punjabi Bagh
i)	Size (mm)	300	300	300
ii)	Type	Propeller	Propeller	Propeller
iii)	Quantity (nos)	7	7	7

9. DRAIN PUMPS/DEWATERING PUMPS

Sr. No	Description	Pitampura		Lawrence Road		Punjabi Bagh	
		5	50	5	50	5	50
i)	Capacity (m ³ /hr)						
ii)	Head	15	15	15	15	15	15
iii)	Quantity	2	2	2	2	2	2
iv)	Location	Pump House	Reservoir	Pump House	Reservoir	Pump House	Reservoir

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10. VACUUM PUMPS

Sr. No	Description	Pitampura	Lawrence Road	Punjabi Bagh
i)	Capacity (m ³ /hr)	NA	NA	NA
ii)	Head	NA	NA	NA
iii)	Quantity	NA	NA	NA

11. SLUICE GATE

Sr. No	Description	Pitampura	Lawrence Road		Punjabi Bagh
i)	Size	NA	100mm x 1000mm	800mm x 800mm	1000mm x 1000mm
ii)	Quantity	NA	1-no.	4 -nos.	3 -nos.
iii)	Type of operation	NA	Manual	Manual	Manual

12. FIRE EXTINGUISHER

Sr. No.	Description	Pitampura	Lawrence Road	Punjabi Bagh
i)	Size	ABC stored Pressure(4kg)	ABC stored Pressure(4kg)	ABC stored Pressure(4kg)
ii)	Quantity	6	6	6

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13. SCHEDULES FOR PUMPS

The following details shall be furnished by the bidder for each pumps under this contract :

Horizontal Centrifugal Pump

Sr. No.	Description	Unit	Particulars
1	General		
(a)	Make		
(b)	Model		
(c)	Type		
2	Performance		
(a)	Capacity	cum/hr	
(b)	Total Head	mwc	
(c)	Efficiency	%	
(d)	WHP	kW	
(e)	Pump Input	kW	
(f)	Shut Off Head	mwc	
(g)	Speed	rpm	
(h)	NPSH required	m	
3	Materials of Construction		Shall be as per Technical Specification
4	Testing and Inspection		Shall be conducted as per Technical Specification

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Clarifications to Bidder's Queries

Sl. No.	Bid Volume No. and Section No.	Clause / Sub Clause No.	Page No	Bidder's Queries	Response
1.	Volume 1 Section 8, PCC	14.10	8-5	As per referred clause, "50% of Retention Money applicable to Completion of works can be released against Bank Guarantee after accumulation of limit of Retention Money." In order to facilitate better cash flow for the project, we request you to consider upfront Bank Guarantee of 5% in lieu of cash retention. Kindly consider and confirm.	As per Bid Document
2.	Volume 1 Section 2, Bid data sheet	15.4	2-4	As per the referred clause, "The rates of exchange shall be the selling rates 28 days prior to the deadline for submission of bids published by: Reserve bank of India (www.rbi.org.in)" We would like to bring to your kind notice that the Reserve Bank of India has stopped publishing exchange rates and the same has been taken over by Financial Benchmarks India Pvt. Ltd. (FBIL) with effect from July 10, 2018 vide RBI press release : 2018-2019/35. Kindly modify the clause and issue necessary amendments.	Bidder to read carefully the referred clause, as it also includes "or agency authorized by reserve bank of India".
3.	Volume 1 Section 8, PCC	9.6	8-4	As per the referred clause, "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." Maximum amount of sectional delay damages limited to 10% of Accepted Contract Amount of the section and Maximum amount of delay damages equal to 10% of Accepted Contract Amount for the Design Build." We request you to consider 0.01 % of the amount of unachieved portion	Bidder may note that referred LD clause is already quite moderate. Amount of cumulative LD @0.01 % will take 1000 days to reach maximum amount of 10%. Therefore LD @0.01 % of the Accepted Contract Amount of Design Build works is not harsh. Bidders may further note that even

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Clarifications to Bidder's Queries

Sl. No.	Bid Volume No. and Section No.	Clause / Sub Clause No.	Page No	Bidder's Queries	Response
				of works per day of sections and consider maximum amount of sectional delay damages. It is a general practice across India that the LD cap for project is 10% of contract value for design build. Hence, we presume that the overall liquidated damages inclu. Delay damages is limited to 10% of Contract value for Design-Build. Kindly confirm.	due to small amount of unachieved portion of works; whole of works may be unable to commission and cannot be utilized. Thus Employer's liquidated damage depends on the total amount of Design Build works rather on amount of unachieved portion of works.
4.	Volume 1 Section 8, PCC	9.6	8-4	We understand that if the project is completed within the stipulated time schedule, the liquidated damages levied at intermediate milestone/sections will be reimbursed. Please confirm if our understanding is correct.	As per Bid Document.
5.	Volume 1 Section 8, PCC	14.7(b)	8-5	As per the referred clause, " <i>Minimum Amount of Interim Payment Certificate : 1% of the Accepted Contract Price for Design - Build portion</i> " We request you to consider monthly payment for Design-Build portion based on the payment terms and as per actual progress of work. Kindly confirm.	As per Bid Document.
6.	Volume 1 Section 8, PCC (Schedule 3)	4	8-46 8-47 8-48	Since the project has substantial quantum of DI pipes and as the price adjustment formula for the same has not been provided, we request you to provide a separate formulae and Pig iron WPI index for calculating the price adjustment for DI pipes. Also, the abbreviation for the Labour & Other materials component for construction duration and O&M duration is provided in the referred	As per Bid document. Bidder to refer Corrigendum and Addendum no.3.

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Clarifications to Bidder's Queries

Sl. No.	Bid Volume No. and Section No.	Clause / Sub Clause No.	Page No	Bidder's Queries	Response						
				clause, whereas the formula is missing. Hence, we request you to provide the Price Variation formula for Labour component & other materials and issue necessary corrigendum.							
7.	Volume 1 Section 4	Table A	4-34	As per referred clause, from Table of Adjustment Data, Nonadjustable factor is given as 0.15 and bidder has to propose further breakup of 0.85, whereas the formula provided in Section 8 (Particular Conditions of Contract) is with a factor of 0.85, which will be linked with the weightage proposed by the bidder in Table of Adjustment data. By doing so, '0.85' factor will be applied twice. We presume that, '0.15' factor mentioned in the Table of Adjustment data, is indicative one. Hence, Table of Adjustment data has to be revised by removing the 'Nonadjustable factor(0.15)'. Kindly confirm and issue necessary amendment.	Bidder to refer Corrigendum and Addendum no.3.						
8.	Volume 1 Section 8 Particular Conditions of Contract	Schedule 3 Contractor's Payment (2a & 2b)	8-41	<p>2.a. For water supply distribution system including all pipeline accessories DMA wise</p> <table border="1"> <thead> <tr> <th>As per tender conditions :</th> <th>Request you to consider as below:</th> </tr> </thead> <tbody> <tr> <td>60% of the cost of pipeline on supply and stacking of material at site, maximum up to 10 Km</td> <td>80% of the cost of pipeline on supply and stacking of material at site</td> </tr> <tr> <td>20% 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</td> <td>15% 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</td> </tr> </tbody> </table>	As per tender conditions :	Request you to consider as below:	60% of the cost of pipeline on supply and stacking of material at site, maximum up to 10 Km	80% of the cost of pipeline on supply and stacking of material at site	20% 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	15% 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	Bidder to refer Corrigendum and Addendum no.3.
As per tender conditions :	Request you to consider as below:										
60% of the cost of pipeline on supply and stacking of material at site, maximum up to 10 Km	80% of the cost of pipeline on supply and stacking of material at site										
20% 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	15% 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										

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Clarifications to Bidder's Queries

Sl. No.	Bid Volume No. and Section No.	Clause / Sub Clause No.	Page No	Bidder's Queries		Response
				for vehicle movement in the DMA.	for vehicle movement in the DMA.	
				20% on commissioning and successful demonstrating of the performance indicators of NRW and pressure in the DMA for the 3 months testing period of the DMA	5% on commissioning of the individual DMA's.	
				2.b. For Rising mains, common feeder mains and other pipelines including all pipeline accessories		
				As per tender conditions :	Request you to consider as below:	
				60% of the cost of pipeline on supply and stacking of material at site, maximum up to 10 Km	80% of the cost of pipeline on supply and stacking of material at site	
				20% 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.	15% 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.	
				20% on commissioning and	5% on commissioning of the	

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Clarifications to Bidder's Queries

Sl. No.	Bid Volume No. and Section No.	Clause / Sub Clause No.	Page No	Bidder's Queries	Response										
				<p>successful demonstrating of the performance indicators of NRW and pressure in the DMA for the 3 months testing period of the DMA</p> <p>individual DMA's.</p>											
				<p>We request you to consider the above payment terms in order to facilitate better cash flow in the project. Kindly confirm.</p>											
9.	Volume 1 Section 8 Particular Conditions of Contract	Schedule 3 Contractor's Payment (2c)	8-41	<p>2.c. For Mechanical/ Electrical, Instrumentation and other items</p> <table border="1"> <tr> <td>As per tender conditions :</td> <td>Request you to consider as below:</td> </tr> <tr> <td>60% of the agreed price, against supply and storage of material at Site;</td> <td>75% of the agreed price, against supply and storage of material at Site;</td> </tr> <tr> <td>20% on installation of the equipment;</td> <td>15% on installation of the equipment;</td> </tr> <tr> <td>10% on testing and trial run completed successfully</td> <td>5% on testing and trial run completed successfully</td> </tr> <tr> <td>10% on commissioning of the equipment.</td> <td>5% on commissioning of the equipment.</td> </tr> </table> <p>We request you to consider the above payment terms in order to facilitate better cash flow in the project. Kindly confirm.</p>	As per tender conditions :	Request you to consider as below:	60% of the agreed price, against supply and storage of material at Site;	75% of the agreed price, against supply and storage of material at Site;	20% on installation of the equipment;	15% on installation of the equipment;	10% on testing and trial run completed successfully	5% on testing and trial run completed successfully	10% on commissioning of the equipment.	5% on commissioning of the equipment.	As per Bid document.
As per tender conditions :	Request you to consider as below:														
60% of the agreed price, against supply and storage of material at Site;	75% of the agreed price, against supply and storage of material at Site;														
20% on installation of the equipment;	15% on installation of the equipment;														
10% on testing and trial run completed successfully	5% on testing and trial run completed successfully														
10% on commissioning of the equipment.	5% on commissioning of the equipment.														

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Sl. No.	Bid Volume No. and Section No.	Clause / Sub Clause No.	Page No	Bidder’s Queries	Response				
10.	Volume 1 Section 8, PCC	Schedule 3 Contractor’s Payment 2.a and 2.b	8-41	<p>As per the referred clauses, 20% each of payment for 2.a. Distribution system and 2.b. Rising mains and Common feeder mains is linked with commissioning and successful demonstrating of performance indicators of NRW and pressure in the DMA for 3 months testing period.</p> <p>We would like to bring to your kind notice that 20% Operation Service Fee for the Period between Initial Taking Over and Final Taking Over and 25% of Operation Service Fee for the period post Final Taking Over 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. Kindly consider.</p>	As per Bid document.				
11.	Volume I Section 8	Resettlement	8-18	<p>As per the referred clause, <i>“The Contractor shall comply with (i) the measures and requirements set forth in the updated and approved Resettlement Plan (RP) attached in Section 6, Employer’s Requirement, to the extent it concerns Impacts on affected people during construction; and (ii) any corrective or preventive actions set out in safeguards monitoring reports that the Employer will prepare from time to time to monitor implementation of the Resettlement Plan.”</i></p> <p>We presume that scope and cost associated with resettlement works will be borne by the Employer. Kindly confirm.</p>	Bidder to note that cost associated with resettlement works will be borne by the Employer.				
12.	Volume 1 Section 8 Particular Conditions of Contract	Schedule 3 Contractor’s Payment (3)	8-41	<p>3. For the Period post Final Taking Over</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 2px;">As per tender conditions :</td> <td style="width: 50%; padding: 2px;">Request you to consider as below:</td> </tr> <tr> <td style="padding: 2px;">Fixed Payment equal to 75% of</td> <td style="padding: 2px;">Fixed Payment equal to 80% of</td> </tr> </table>	As per tender conditions :	Request you to consider as below:	Fixed Payment equal to 75% of	Fixed Payment equal to 80% of	As per Bid document.
As per tender conditions :	Request you to consider as below:								
Fixed Payment equal to 75% of	Fixed Payment equal to 80% of								

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Sl. No.	Bid Volume No. and Section No.	Clause / Sub Clause No.	Page No	Bidder's Queries	Response				
				<table border="1"> <tr> <td>the eligible Total Payment for Operation Services with service delivery in water supply</td> <td>the eligible Total Payment for Operation Services with service delivery in water supply</td> </tr> <tr> <td>Performance Payment equal to 25% of the eligible Total Payment for Operation Services with service delivery in water supply and sewerage system as per Schedule 5: Performance Targets and Measurement</td> <td>Performance Payment equal to 20% of the eligible Total Payment for Operation Services with service delivery in water supply and sewerage system as per Schedule 5: Performance Targets and Measurement</td> </tr> </table> <p>We request you to consider the above payment terms in order to facilitate better cash flow in the project. Kindly confirm.</p>	the eligible Total Payment for Operation Services with service delivery in water supply	the eligible Total Payment for Operation Services with service delivery in water supply	Performance Payment equal to 25% of the eligible Total Payment for Operation Services with service delivery in water supply and sewerage system as per Schedule 5: Performance Targets and Measurement	Performance Payment equal to 20% of the eligible Total Payment for Operation Services with service delivery in water supply and sewerage system as per Schedule 5: Performance Targets and Measurement	
the eligible Total Payment for Operation Services with service delivery in water supply	the eligible Total Payment for Operation Services with service delivery in water supply								
Performance Payment equal to 25% of the eligible Total Payment for Operation Services with service delivery in water supply and sewerage system as per Schedule 5: Performance Targets and Measurement	Performance Payment equal to 20% of the eligible Total Payment for Operation Services with service delivery in water supply and sewerage system as per Schedule 5: Performance Targets and Measurement								
13.	Volume 1 Section 8, PCC	13.3	8-26	From the referred clause we understand that, increase in BOQ quantity variation upto 20% will be payable as per the BOQ rate and variation above 20% will be payable at market rate / mutually agreed rates between DJB and the contractor during the execution of project. Please confirm.	As per Bid document.				
14.	General	-	-	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.	Bidder may refer clause Sub-Clause 1.14(b) , 1.14 (d) and (e) under section 8 page 8-9 of Volume-1 of bid documents.				

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Sl. No.	Bid Volume No. and Section No.	Clause / Sub Clause No.	Page No	Bidder's Queries	Response
15.	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 compensation to private land owners. Please confirm if our understanding is correct.	Bidder may refer Para 5 of Schedule 1 under section 8 of bid document.
16.	Volume 6 Price Bid	15	5-5	As per the referred clause, <i>"The Contractor shall be bound to execute extra items of work as directed by the Engineer. The rates for extra items will be as per rates decided under Contract Conditions.</i> We understand that any extra items executed by the contractor shall be paid at actual market rates prevailing at the time of execution. Kindly confirm.	As per Bid document.
17.	Volume 1 Section 6 Section 8	6.1.8.3 7.4	6-13 4	We understand that only meter reading and billing is in scope of the contractor and revenue collection is in scope of DJB. Also Contractor payment is not linked with revenue collection. Kindly confirm.	Bidder to note that revenue collection is in scope of DJB. Bidder may also note that Revenue collection also depends on several activities covered under contractor's obligations like meter reading, billing, bill distribution efficiency and extent of functional metering.
18.	Volume 1 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 Metering Contract including details of total connections and O&M scope as the same is not clear from bid document	Bidder to refer Corrigendum and Addendum no.3.

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Sl. No.	Bid Volume No. and Section No.	Clause / Sub Clause No.	Page No	Bidder's Queries	Response
19.	Volume 6 Price Bid	Letter of Price Bid & BOQ Preamble to Bill of Quantities	-	From the referred preamble (Sr. 3), " <i>The GST shall be paid Extra as applicable depending upon the nature of work/ supply/service.</i> " We presume that, the final bid price to be carried forward to the letter of price bid from Schedule 6 (Summary), which is exclusive of GST and same shall be paid as extra, as we are mentioning GST unit rate/ GST amount / both in the individual schedules of price bid separately. Kindly confirm.	Bidder to note that Final bid price to be carried forward to the letter of price bid from Schedule 6 (Summary), is exclusive of GST. Total GST amount to be mentioned in the individual schedules of price bid separately.
20.	General	-	-	We understand that during execution of work, cost involved in removal & shifting of utilities will be the responsibility of contractor and will be reimbursed at actuals by the department. Kindly confirm.	As per Bid document.
21.	General	-	-	Since the project is located in core urban area, with thick population and it is likely that the utilities may be damaged without the knowledge of the contractor. We presume that any cost involved in rectifying the damages will be paid to the contractor at actuals. Kindly confirm.	As per Bid document.
22.	General	-	-	We understand that the bidder has to integrate the existing infrastructure with the newly installed pipeline for maintaining the NRW. In such event, it will be difficult for the bidder to access prevailing condition of existing pipelines & to achieve the performance targets during O&M. Hence, 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 from the current NRW to target NRW rate.	As per Bid document. NRW target has been kept as per service level targets set by MoUD.

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Sl. No.	Bid Volume No. and Section No.	Clause / Sub Clause No.	Page No	Bidder's Queries	Response
23.	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 assessed and also arrive at a competitive price.	Bidder to refer Table-2 at page 6-16 of bid documents.
24.	General	-	-	Any improvements, which are required in the existing infrastructure including replacement of the partial / complete pipeline network in order to maintain the required Performance Standards, will be proposed in the SIP and in case if such differences/improvements proposed in SIP are not agreed by the Employer then as per clause 6.1.12.1 Pg 6-22 of Volume 1 of Bid document, there may be mutually agreed revision of the Performance Standards. Kindly confirm.	As per Bid document.
25.	Section 6 Employer's Requirement	6.1.31 A Customer Service Centers	6-54	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 6.1.27 of section-6 of bid document.
26.	Volume 1 Section 8 Particular Conditions of Contract	Schedule 3: Contractor's Payment & Schedule 5: Performance Target and Measurement	8-45 & 8-55	<p>From the referred clause, bidder is to guarantee only for the quality of water received at UGR Inlet shall be maintained throughout the distribution system after commissioning of DMAs and if any water quality issue arises at UGR Inlet it shall not attribute to the contractor. Kindly confirm.</p> <p>Also, we would like to inform that KPI indicated in the 3.2 Performance payment, incentives and damages in Schedule 3 of Section 8 (Particular Conditions of Contract) respectively shall be met only after commissioning of DMAs i.e., Final Taking over..</p>	<p>Bidder to refer pass fail criterion for the samples given at page 8-56 under para "6 parameter" of section-8 of volume-1 of bid documents.</p> <p>Bidder to refer tables under para 3.2.1 wherein separate columns are given for KPI to be met a) Between Initial and Final Taking over dates and b) After Final</p>

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					taking over dates
27.	Volume 1 Section 8 Particular Conditions of Contract	Schedule 5. D Performance target and Measureme nt	8-52	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 pressurized water supply projects. Therefore, request to modify minimum pressure to be maintained at the critical point from 17 m to 7 m. Kindly consider.	As per Bid document.
28.	Volume 1 Section 6 Employer's Requirement	6.1.14 Part II – Operating & Managemen t Procedures and Policies	6-38	As per the referred clause, the contractor shall establish management information system. Hence we request to include the same in the Bill of quantities.	As per Bid document.
29.	Volume 1 Section 6 Section 8	Provision of temporary services & Performance target and measureme nt	6-75 8-53	As per the referred clause, the contractor may install temporary lines or may arrange for supply by tankers, and payment for same shall be made by the Employer at the rate contract rates decided yearly. We request you to include an item for providing the same in bill of quantities and issue necessary amendments.	In the event of non-availability of bulk water to the 3 No UGRs, alternate arrangements cannot be decided at this stage. As per Bid document.
30.	Volume 1 Section 8 Particular Conditions of	14.7(b)	8-5	The payment for O&M is mentioned as bi-monthly. We understand that contractor can raise O&M invoice twice a month. Kindly confirm.	Bidder to refer corrigendum & addendum-3.

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Sl. No.	Bid Volume No. and Section No.	Clause / Sub Clause No.	Page No	Bidder's Queries	Response
	Contract				
31.	Volume 1 Section 6	6.1.12.9.e	6-30	Request to allow a minimum 90 days for overcoming of initial teething problems after commissioning of DMA. Kindly consider and confirm.	As per Bid document.
32.	Volume 1 Section 6	6.1.31.B	6-56	The referred clause states that useful life of Consumer meters is 7 years from commissioning of meter. Please note that useful life for domestic meters is 7 Years from the date of installation only. So, It is our understanding that every domestic meters shall be replaced after 7 years of installation and shall be included in Asset Replacement schedule as there will be a gap between installation and commissioning. Please confirm if our understanding is correct.	As per Bid document.
33.	Volume 1 Section 6	6.1.31.B	6-59	As per referred clause, if any replacement is required after 7 years the same will be paid with Quoted rate. Considering market volatility and price escalation and inflation it would not be possible to supply additional meters after 7 years at the quoted rates. Hence, such replacement will be paid as per mutually agreed rates. Kindly confirm.	As per Bid document.
34.	Volume 1 Section 6	32	6-4	As per referred clause, Distribution Water Loss is measured as below: $\text{Distribution Water Loss (\%)} = \frac{X - (A + B + C + D) \times 100}{X}$ Kindly clarify, Volume of water taken into consideration for calculating NRW water losses.	Bidder to refer measurement of non-revenue water as given at para 2 at page 8-53 of section 8 of bid document.

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Sl. No.	Bid Volume No. and Section No.	Clause / Sub Clause No.	Page No	Bidder's Queries	Response
35.	Volume 1 Section 8 Particular Conditions of Contract	Schedule 5. D Performance target and Measureme nt	8-53	As per the referred table, Nonrevenue 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. As the project has 27% of pipeline scope to be retained and requires very high end instrumentation to bring down NRW from about current 62.4% to 15%. Therefore, request to make NRW rate gradually or phase-wise from the current NRW to 20%. Please consider and confirm.	As per Bid document.
36.	General	-	-	We understand that all the existing HSCs in the service area shall be replaced with the new one. Please confirm.	Confirmed.
37.	Volume 1 Section 6 Employer's Requirement	6.1.9 Availability of data	6-14	We request you to provide DPR along with the other available reports available with DJB for better understanding and estimation of the project. Kindly consider.	DPR along with the other available reports will be provided to successful bidder.
38.	Volume 1 Part B	Table 13	62	From the referred table, various activities under the construction stage EMP is mentioned as part of BOQ items. We would like to bring to your kind notice that the same is not provided in the BOQ. Kindly include the same and issue necessary amendments.	Bidders to assess the cost of various under the construction stage EMP as per scope of work stipulated under bid documents and include this cost under Bill no.2 Item (iv) "Compliance with environmental management Plan (EMP)".
39.	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.

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Sl. No.	Bid Volume No. and Section No.	Clause / Sub Clause No.	Page No	Bidder's Queries	Response
40.	General	-	-	We understand that the liability of water related revenue collection and arrears prior to and after commencement of Operations is with DJB only. Please confirm.	Confirmed.
41.	Volume 4 Drawings	-	-	We request you to provide either AUTOCAD file or PDF file of a greater resolution for better understanding of the drawings since many drawings are not legible. Kindly consider.	Bidders are advised to purchase the printed copy of the tender document and refer same for more legible text.
42.	Section 6 Employer's Requirement	Table 7 S.No.8	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.
43.	Section 6 Employer's Requirement	Table 7 S.No.9	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.	Properties where AMR & Non AMR meters to be installed; shall be identified during execution depending upon consumer response .
44.	Section 6 Employer's Requirement	Table 7 S.No.10	6-20	As per the referred clause, contractor has to be made necessary arrangements on temporary basis at approximately 6 Nos. It is our understanding that supply of Bulk water by water tankers up to specified location is under the scope of contractor and shall be paid separately. Please confirm.	It shall not be paid separately.
45.	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.
46.	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.

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47.	Section 6 Employer's Requirement	6.1.14	6-38	Request to include the Solar Power generation system in BoQ.	Solar Power generation system is not required. Please refer Corrigendum & Addendum no.3
48.	Section 6 Employer's Requirement	6.1.15	6-40	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's payment), section 8, Volume 1 of Bid document
49.	Section 6 Employer's Requirement	Table 9	6-43	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.
50.	Section 6 Employer's Requirement	Table 9 10	6-44	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.
51.	Section 6 Employer's Requirement	Table 10 2	6-49	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.
52.	Volume 1 Section 8 PCC	3.2 B(i)	8-43	From the table given for Payment towards "Continuity of Water Supply" we understand Contractor is eligible to get full 5% upon 100% achievement and 2.5% for 80% achievement and Penalty for achievement less than 80%. We are sure you will appreciate the fact that 100% achievement is practically not feasible and contractor will lose 2.5% payment even if the achievement is > 90 or 95%. Hence, we request you to consider reduction in payment between 100% and 80% achievement on pro-rata	As per Bid document..

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				<p>basis as follows:</p> <p>100% achievement: 5%</p> <p>From less than 100% to 95%: 4.5%</p> <p>From less than 95% to 90%: 4.0%</p> <p>From less than 90% to 85%: 3.5%</p> <p>From less than 85% to 80%: 2.5%</p> <p>Kindly consider and confirm.</p>	
53.	Volume 1 Section 6 PCC	Operation Service Delivery	6-45 8-42	<p>The referred clause states that commencement of O&M is <i>"from the date of issuance of commissioning certificate for each DMA"</i>. From the above clause, it is evident that Initial to Final take over period will not be 44 months for all 50 DMAs. Whereas in the "Price Bid, Schedule-3 Operation Services" the Initial to Final take over period is 44 months and bidder needs to quote for entire 44 months & O&M for 10 years for the entire 50 DMA's. Kindly clarify.</p>	Payment to contractor will be made on the actual quantiles executed.
54.	Volume 1 Section 8 PCC	Contractor's payment	8-42	<p>In the referred clause, it is mentioned that <i>"Providing daily water supply to the citizens in the service area (in case of water supply except the extraordinary situation where water is not supplied by DJB)"</i>, from the above clause, we understand that the responsibility of the contractor to supply water will be only after the Final take over date and from Initial take over to final take over period, daily water supply will be on as is condition. Kindly confirm.</p>	Confirmed.

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55.	Volume 1 Section 8 PCC	3.2 of Schedule 3 & Schedule 5	8-42 8-52	<p>We understand that during Initial take over to Final Take over period, O&M payment shall be paid from 'Schedule 2 : Operation services (S.No. (1) A) for operating the water supply system on as is condition, and after Final take over period (after Commissioning of DMA) payment shall be released on 'ML' basis ie., from 'Schedule 2 : Operation services (S.No. (1) B)'. The payment terms mentioned in pg. no 8-42 of "Schedule 3. Payment for Operation Services Period - For the Period between Initial Taking Over and Final Taking Over" is applicable only for Commissioned DMAs.</p> <p>Further, Performance Targets/ Key Performance Indicators (KPI) and their payments mentioned in Schedule 5 & Schedule 3 of Section 8 (Particular Conditions of Contract) respectively shall be met only after commissioning of DMAs i.e., Final Taking over of DMA's. Kindly confirm.</p>	Bidder to refer Corrigendum & Addendum no.3
56.	Volume 1 Section 6	110 Draft initial Environmental Examination	38	<p>As per referred clause, "<i>Replacement of existing distribution network, and shifting the water connections from the existing to new lines will disturb the water supply services, though temporarily. Once the new pipeline laid, all the consumer connections on the old pipeline will be transferred to the new pipeline. This new pipeline shall be connected to the existing water system and commissioned to ensure water supply to the consumers.</i>"</p> <p>We presume that the proposed pipeline shall be laid adjacent / above the existing pipeline and removal of old pipes is not under the scope of Contractor.</p> <p>Also, If it is necessitated to remove the old pipe, it shall be treated as extra item and paid at actuals. Kindly confirm.</p>	Removal of existing old pipes is not under the scope of Contractor.

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57.	Volume 1 Section 8	Part-B Special provision 1.1.58	8-7	From the referred clause, we understand that the monthly fee for the commissioned DMA's during Initial Take over date to Final take over date will be paid based on the volume of water catering to the particular DMA's. We request you to kindly elaborate the payment basis with a formula.	Bidder to refer para 31 of preamble under volume-6.
58.	Volume 6 Price Bid	Part C Bill – 1 (a)	18 to 37 of 49	We presume that civil quantities given in BOQ for construction of UGR Part C, shall be inclusive of construction of Pumphouse & associated works at Punjabi Bagh & Lawrence Road. Kindly confirm.	Confirmed.
59.	Volume 6 Price Bid	Part A & B Bill – 1 (a)	1 to 18 of 49	We presume that civil quantities given in BOQ for pipeline works shall be inclusive of thrust block, valve chambers and crossings. Kindly confirm.	Confirmed.
60.	Volume 1 Section 6	Clause 6.1.11 Table 7 Serial no:16	6-21	We presume that civil quantities given in BOQ for construction of UGR Part C, shall be inclusive of construction of 3 Nos of SCADA room required at central location of UGRs since there is no specific provision available in the BOQ. Kindly confirm.	Separate SCADA rooms are not required. SCADA to be accommodated within Pump house.
61.	Volume 1 Section 6	Clause 6.1.11 Table 7 Serial no:17	6-21	We presume that civil quantities given in BOQ for construction of UGR Part C, shall be inclusive of construction of 4 Nos of Consumer Relation Management Centre @ 40 sq.m required at UGRs since there is no specific provision available in the BOQ. Kindly confirm.	Bidder shall be paid as per the quoted rate and the actual Qty executed.
62.	Volume 1 Section 6	Clause 6.1.11 Table 7 Serial no:17	6-21	We presume that civil quantities given in BOQ for construction of UGR Part C, shall be inclusive of construction of 1 No of Central Consumer Relation Management Centre @ 60 sq.m required at any one UGR since there is no specific provision available in the BOQ. Kindly confirm.	Bidder shall be paid as per the quoted rate and the actual Qty executed.

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63.	Volume 6 Price Bid	Part A & B Bill – 1 (a) Item 51 & 50	9 & 17 of 49	<p>As per referred clause, product pipe shall be laid using trenchless technology by Auger boring.</p> <p>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. Kindly request confirm.</p> <p>Also, we presume that only product pipe shall be installed in these trenches, since there is no scope of casing pipe. Kindly confirm.</p>	<p>Only product pipe shall be installed in these trenches.</p> <p>Bidder to refer Annex D geotechnical Investigation report under section 6 of vol-1 of bid document.</p>
64.	Volume 1 Particular Specifications	1.3.2.1.1	12	<p>Since the project consists of voluminous concrete works and the availability of river sand is becoming scarce, we request you to allow the bidder to use manufactured / crushed sand in concrete works, which meets the design criteria and satisfies the codal provision. Kindly consider and confirm the same.</p>	<p>As per Bid Document.</p>
65.	Volume 1 Technical Bid	Section 6 6.1.12.8	6-29	<p>From the referred clause we understand that only temporary road restoration is in bidders scope and no scope for permanent road restoration as the provision for the same is not available in the BOQ.</p> <p>Also, we request you to provide specifications for temporary road restoration.</p>	<p>Temporary road restoration is under bidders scope whereas permanent road restoration for pipeline trenches is not covered under bidders scope. However permanent road restorations inside UGR complex are included under Bidders cope & corresponding quantiles are included in price bid head "UGR".</p> <p>Cost of temporary road already</p>

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					covered under "Bill no. 1(a) design Build works: Civil Works" Part G item no.5 . The temporary road specification shall be P.C.C. 1:3:6 (1 Cement: 3 coarse sand (zone-III): 6 graded stone aggregate 20 mm nominal size) as per DSR item over the compacted earth surface of trench.
66.	Volume 6 Price Bid	Bill 2 BOQ No. 2: Other Services	1 of 1	From the referred clause we understand that the Temporary Road Restoration has to be accounted in " <i>Item iv Compliance with Environmental management Plan (EMP)</i> " at " <i>Schedule 2: other services</i> ", hence we request you to quantify the Road restoration and provide necessary amendments. As road restoration being a major item of work, quantifying the same would facilitate to price the component equally among the bidders. Kindly consider.	Cost of temporary road already covered under "Bill no. 1(a) design Build works: Civil Works" Part G item no.5 .
67.	General	--	--	We understand that road restoration, damages caused during execution of house service connection inside the premises of property, Boundary wall and drainage system etc. shall be paid at actuals. Kindly confirm.	As per Bid document.
68.	General	--	--	We understand that both Bituminous and CC road restoration (damages caused during execution) of house service connection shall be paid at actuals since there is no specific HSC items available in BOQ. Kindly	As per Bid document.

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				confirm.	
69.	General	--	--	We presume that all the liquid retaining structures shall be designed with limit state method as per IS 3370:2009 with limiting crack width of 0.2mm	To be designed as per IS 3370:2009 or latest version.
70.	General	--	--	Kindly provide the Details of NH/SH/Railway Crossings in the project area, as the total trenchless scope is 2700m.	The bidder is advised to visit site to gather required details.
71.	Volume 1 Technical Bid, Section 6 Employers Requirement / BOQ No. 1 (a)- Design Build : Civil Works	Table – 7 Scope of Major work & Services, Table – 2 Details of Proposed Pipes / G Piping Work	6-20, 6-16 / 4 of 49	In the referred clause of Volume 1 Technical bid the length of feeder main DI K9 has been given as 24 Km and 26 km in Table 7 & Table 2 respectively. However in the BOQ, length of feeder main DI K9 has been given as 22.93 Km. We understand that the quantities as given in BOQ is correct and prevails. Kindly confirm.	The quantities given under volume-6 price bid shall prevail.
72.	Volume 1 Technical Bid / DJB/PMC/D WSIIP/02/BI D/GA/20B, DJB/PMC/D WSIIP/02/BI D/STRU/21A	6.1.8.2	6-12	In the referred clause " <i>Contractor must also provide adequate provision and space for future pumps to be installed after 15 years including suction bell mouth and puddle flanges etc as may be required.</i> " Also in the referred drawing the quantities of pumps are shown as more than the tender requirement. We understand that it also includes the provision of future pumps and the dimensions indicated in the drawings can be considered. Kindly confirm.	Reference has been made to some of drawing showing Configuration of Existing Pumps like 20 A, 20 B and 20 C. For proposed Pumps please refer Drawings 21 A, 21b & 21 C. Bidder not to misunderstood "existing Pumps" as "Proposed Pumps".

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	1, DJB/PMC/D WSIIP/02/BI D/GA/20C				Quantities of Proposed pumps are also given in BOQ which is consistent with drawings.
73.	Volume 3 Particular Specification (Water Supply Works) / BOQ No. 1 (a)- Design Build : Civil Works	7 / 43, 42	57 / 7, 15	In the referred clause of tender document it is mentioned that " <i>All valves shall be installed between flanges with a flexible MS dismantling joint on one side.</i> " However the quantities of Dismantling joint provided in BOQ is Mismatching with the number of valves. We request you to kindly provide us with the updated BOQ.	Contractor shall be paid as per actual Qty executed as per the Quoted rate.
74.	BOQ No. 1 (a)- Design Build : Civil Works	44, 43	7, 15	In the referred clause of BOQ, the number of valve Chamber mentioned in the BOQ is mismatching with number of valves. We request you to kindly provide us with the updated BOQ.	Valve chamber of size up to 150 mm is considered under 90*90*1 Meter internal size chamber whereas chamber size 200mm up to 300 is considered under 1.2*1.2*1 Meter internal size. The chambers size above than 300 mm is calculated under item no 11-15. Contractor shall be paid as per actual Qty executed as per the Quoted rate.

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75.	BOQ No. 1 (a)- Design Build : Civil Works	34 / 47	4 / 9	In the clause number 34 of BOQ the pipe length for piping work has been indicated as 1561 m for 900 mm pipe. Whereas in clause number 47 of BOQ pipe length for disinfecting work has been indicated as 1615 m for 900 mm pipe. We understand that it is typographical error and the pipe size as indicated in clause 34 is correct. Kindly confirm.	The DI laying length is 1561 Meter, and length of railway crossing is about 54 Meter. The length in Disinfecting is taken. Sum of these quantities. Contractor shall be paid as per actual Qty executed as per the Quoted rate.
76.	Volume 1 Technical Bid / BOQ No. 1 (a)- Design Build : Civil Works	Draft Involuntary Resettlement Due Diligence Report	7 / 9,17	In the referred clause of Volume 1 technical bid it is mentioned that pipe laying through trenchless technology shall be around 3 Km. Whereas in the BOQ the total length for Trenchless crossing has been given as 2.70 Km. We understand that the quantities as indicated in BOQ is correct and prevails.	The quantities given under volume-6 price bid shall prevail. Contractor shall be paid as per actual Qty executed as per the Quoted rate.
77.	Volume 1 Technical Bid / BOQ No. 1 (a)- Design Build : Civil Works	-	6-16 ,44	In the referred clause it has been noted that the quantity of House service connection and AMR & Non AMR meters are mismatching with the BOQ quantities. We understand that the quantities as indicated in BOQ is correct and prevails. Kindly confirm.	The quantities given under volume-6 price bid shall prevail. Contractor shall be paid as per actual Qty executed as per the Quoted rate.
78.	Section 6 Employer's requirement	Table 7	6-20	In referred clause, the quantity for water meters mentioned in BOQ (100484 nos.) and quantity of water meter in the Nit specifications is specified as 111757 nos. kindly clarify	The quantities given under volume-6 price bid shall prevail.
79.	BOQ No. 1 (a)- Design Build : Civil Works	Part C	18 of 49	In the referred clause of BOQ it is mentioned that "Construction of 8.3 ML Capacity UGR at Punjabi Bagh, 2Nos. UGR's of 11.5 MLD & 6.00 MLD Capacity at Lawrence Road". In the above clause the capacities are mentioned in MLD, We	Confirmed The Capacity of UGR shall be read as ML Instead of MLD. Bidders are advised to refer size of UGR's in the relevant drawings

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				<p>understand it is a typographical error and the capacities are in ML. Kindly confirm.</p> <p>Also in the above clause 2 Nos of UGR has been mentioned for Lawrence road, We understand that out of 1 UGR capacity shall be for pitampura UGR. We request you to kindly clarify the capacities for all 3 UGR.</p>	<p>given at volume-4.</p> <p>The 2 no's of UGR are to be constructed at Lawrence road including one UGR at Punjabi Bagh. Pitampura UGR is not considered under Lawrence road.</p> <p>The rehabilitation work of Pitampura UGR is separately considered under Part-D.</p>
80.	BOQ No. 1 (b)- Design Build : Electromechanical Work / Particular Specification (Mechanical Works)	1	5 of 20, 11 of 20, 17 of 20 / 1	The pump capacities for all three pump houses as mentioned in the referred clause of tender document and BOQ are mismatching. We understand that the pump capacities as indicated in BOQ are correct and prevails. Kindly confirm.	The pump capacities for all three pump houses as given under volume-6 price bid shall prevail.
81.	BOQ No. 1 (b)- Design Build : Electromechanical	Punjabi Bagh CWPH – Mechanical	5, 6, 11, 12, 17 & 18	In the referred Clauses of BOQ and Particular Specification, there is mismatch in sizes and quantities of valves. We understand that the sizes and quantities indicated in BOQ is correct and prevails. Kindly confirm.	The sizes and quantities of valves given in BOQ under volume-6 price bid shall prevail.

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	nical Work / Particular Specification (Mechanical Works)	2, 3, 4, 5, Pitampura CWPH – Mechanical 2, 3, 4, 5, Lawrence Road CWPH 2, 3, 4, 5, / 2, 3, 4, 6	of 20 / 1, 2		Bidder to refer corrigendum & Addendum no.3
82.	Particular Specification (Mechanical Works)/ BOQ No. 1 (b)- Design Build : Electromechanical Work	11. / Pitampura CWPH – Mechanical	-	In the referred Clause of Particular Specification, provision of sluice gates is given as Not Applicable and the quantity for the same is missing in the BOQ. We understand that since Pitampura CWPH involves renovation and repair works and hence installation of new sluice gates is not in the present scope of work. Kindly confirm.	Bidder understanding is correct. Bidder to refer corrigendum & Addendum no.3
83.	BOQ No. 1 (b)- Design Build : Electromechanical Work / Particular Specification (Mechanical Works)	Punjabi Bagh CWPH – Mechanical 2.5 & 7.6 / 2.	5, 6 of 20 / 1.	In the referred Clause 2.5, the size of manually operated Sluice Valve at the inlet of UGR is indicated as 600 mm whereas the pipe size at the inlet of UGR as per Clause 7.6 is indicated as 900 mm. Whereas as per the referred Clause 2 of Particular Specification, 2 Nos. of 900 mm Sluice Valves are indicated. We understand that it is a typographical error in the BOQ and valves of 900 mm shall be used. Kindly amend the BOQ for the same.	Valve size shall be considered 900 mm. Bidder to refer corrigendum & Addendum no.3

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84.	BOQ	-	-	Since project aims to deliver continuous pressurized water supply, which requires special purpose valves viz. flow control valves, pressure reducing valve etc. Hence we request you to include provision for these valves in the BOQ	Qty of valves as per BOQ shall prevail.
85.	BOQ No. 1 (a)- Design Build : Civil Work	47	8 of 49	As per referred clause of BOQ "Disinfecting C./D.I water mains by flushing with water containing bleaching powder @ 0.5 gms per litre of water and cleaning the same with fresh water, operation to be repeated three times including getting the sample of water from the disinfected main tested in the municipal laboratory. Measurement rate here is given in terms of length of pipeline. We request you to provide tentative number of flushing event to be done for disinfecting the pipeline.	As per bid document.
86.	BOQ No. 1 (a)- Design Build : Civil Work	53	18 of 49	Isolating valve is not given under house service connection item. We request you to include isolating valve (Ball Valve) in house service connection item.	Qty of Ball Valve has been considered separately under items under consumer meter.
87.	BOQ	-	-	Details for critical measurement is not given in the BOQ. Please provide the same.	As per bid document.
88.	BOQ	-	-	Since the project involves utilization of Existing Pipeline, conditional assessment of pipelines is mandatory prior to its utilization. Hence request you to include item for conditional assessment in BOQ. Furthermore, request you to include provision for Consumer Survey and Topographical survey in BOQ.	Bidder to consider cost of conditional assessment in their overall price Bid.
89.	Volume 1 Technical Bid, Section 6 Employers	32	6-4	It mentioned that Water supplied shall be measured as "Volume of water delivered to all the DMAs during the period". We presume that NRW is measured from Outlet of pump house to Inlet of DMA. Kindly confirm.	Yes. Confirmed.

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	Requirement				
90.	BOQ	-	-	No Provisions for Air valves in Distribution system is included In BOQ. Kindly provide provision for Air valve to ensure best network management.	No need of Air valves in Distribution system. The provision of Air valves are considered in Feeder Main.
91.	BOQ No. 1 (b)- Design Build : Electromechanical Work	8, 8, 9	6 of 20, 12 of 20, 18 of 20,	Specials are categorized as "above 600" and "below 600". Kindly provide Diameter wise split up for DI Specials.	Further breakup in each category as "above 600" and "below 600" will be finalized after Design by successful bidder.
92.	BOQ	-	-	During flow meter maintenance, it would be required to bypass the pump discharge. Request you to include provision for 2 additional manually operated isolation valves and corresponding pipe length at the discharge header.	2 nos. additional isolation valve and 1 no.- expansion bellow type joint may be considered. Payment to contractor will be made as per actual quantities executed.
93.	BOQ	-	-	Kindly provide us with DMA's wise & diameter wise length of Existing Pipeline network to enable us estimate scope of conditional assessment.	Please refer drawings of distribution system network under volume-4 wherein existing pipes in each DMA diameter wise have been shown.
94.	Scope of works	-	-	We presume that parameters of VFD motors shall be automated and controlled by SCADA based on data received from DMA inlet flow meters and Pressure monitoring sensors. Kindly confirm.	As per Bid Document

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95.	Scope of Work	-	-	<p>From the scheme, we understand that the Distribution shall be fed by continuous Pumping Main operated by VFD enabled Motors. We suggest that having an ESR of suitable capacity and staging would eliminate the requirement for VFD enabled Pumps, thereby reducing the complexity of the scheme.</p> <p>Moreover, Pumps may trip off when the demand reduces to significantly low levels which is in contrast to ability of ESRs to continue meeting any demand at constant head and energy consumption will be reduced.</p>	As per Bid Document
96.	Volume 1 Technical Bid	3	6-7	<p>From clause it is mentioned that NRW shall be less than 15%. We presume that unbilled and metered consumption at Slums and other places shall not be included in NRW calculation.</p> <p>Kindly confirm</p>	No. All non-revenue water shall be considered.
97.	Volume 6- Price bid	43 42	7 of 49 15 of 49	As the majority of the pipeline is DI , we request you to kindly consider the MOC of dismantling joints as DI instead of MS.	As per bid document
98.	Volume 6- Price bid	47	8 of 49	From the mentioned clause, its noted that unit of measurement (UOM) for disinfecting water mains is mentioned in “ 100 mtr” & “ mtr”. Kindly clarify the UOM to be considered.	<p>Unit of measurement up to 600 mm is 100 meter as per CPWD Specification.</p> <p>Unit of measurement above 600 mm dia., it is in Meter as per DJB Specification.</p>
99.	Volume 6- Price bid	49	9 of 49	From the mentioned clause, kindly specify the DFT of outer epoxy coating and inner food grade epoxy coating in microns.	To be proposed by contractor in SIP.

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100.	Volume 6-Price bid	49	9 of 49	From the mentioned clause MS pipe with diameters above 350 mm till 800 mm is specified as 5 mm. The thickness mentioned is on the lower side. Request you to kindly check and clarify.	The Thickness to be considered as: I. Up to 350mm dia. the thickness is 5mm. II. 350 mm to-500 mm dia. the thickness is 6mm. III. 600-800 mm dia. the thickness is 8 mm. IV. 900-1100 mm 10 mm thickness. V. 1200-1500 mm 12 mm thickness.
101.	Volume 6-Price bid	53	18 of 49	As per mentioned clause, we request you to kindly furnish us the specification of Hex nipple. And also kindly clarify whether 5 LPM flow is sufficient for Hex nipple.	To be proposed by contractor in SIP.
102.	Volume 6-Price bid	54	18 of 49	As per the referred clause, Kindly clarify the purpose of the specified qty of GI pipe as we understand in Clause 53. (House service connection) where clause specifies for requirement of GI pipe upto 1.5 m for above ground portion.	GI pipe considered for the repair of existing house service connection and additional extension as per site conditions during execution.
103.	Volume 6-Price bid	1.0	5 of 20	As per referred clause, approved makes for pumps and valves has been referred. However, the same has not provided in tender document. Kindy furnish us the approved makes for pumps.	To be proposed by contractor in SIP.
104.	Particular specification	8.1.1	18	As per referred clause, the Type of saddle is specified as PE composite saddle however the saddle specified in BOQ is DI strap saddle. We understand DI strap saddle has to considered. Kindly Confirm.	Type of saddle to be considered is DI strap saddle

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105.	Vol – 2 / 6.2.1.3 Standard Specifications: (Electrical Works) & Vol-4 (Part-G) Drawings	2. General Information & Dwg No: DJB/PMC/DWSIIP/02 /BID/SLD/22 A,22B,22C	PDF Page 282 of 427 & PDF Page 21 to 23	As per the referred clause "Incoming power supply is available at 11kV, 3 phase, 50Hz, solidly earthed system from Power Company (NDPL/BSES)." From the above Clause, SLD & Price Schedule, we understood that Bidders Electrical Scope of works starts from receiving 11kV, 3Ph, 3Wire, 50 Hz Power supply from M/s NDPL/BSES up to 11kV HT Switchgear inside the UGR Cum PH Premises and further distribution up to tail end. Kindly confirm.	Confirmed.
106.	Vol-2 / 6.2.1.2 Standard Specifications (Mechanical Works) & Vol-1 / Section 8 - Particular Conditions of Contract	1.4 Pump performance & Part B – Special Provisions Table Sl. NO: 4.19 - Electricity, Water and GasTable	PDF Page 256 of 427 & PDF Page 511 of 561	As per the referred clause 1.4, "Power consumption details needs to be furnished and guaranteed for each pump assembly for the loading conditions as required to be operated. "whereas as per the referred clause 4.19, "The Contractor will be providing a Power Consumption Guarantee during the Operations Service Period along with his proposal. Any cost of electricity over and above the guaranteed power consumption by the Contractor will be deducted by DJB from the operations services payment due to the Contractor." From the above clauses Kindly confirm the requirement of Power Guarantee, If required kindly provide the format and guarantee for full loads or main pump motor loads.	Bidders to give Guaranteed power consumption KW at motor terminal at duty point (100% RPM), at 90% RPM, and at 80% RPM for each pump. There is no standard format.

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Clarifications to Bidder's Queries

Sl. No.	Bid Volume No. and Section No.	Clause / Sub Clause No.	Page No	Bidder's Queries	Response
107.	Vol-4 (Part-G) Drawings & Vol-3 / Section 6.2.2.4 Particular Specifications (Electrical Works)	Dwg No: DJB/PMC/D WSIIIP/02 /BID/SLD/22 A,22B,22C & 4. LV Switchboard :	PDF Page 21 to 23 & PDF Page 87 of 159	As per the referred SLD, "Rated short-time withstand Capacity at 415V LT Switchgear mentioned as 25kA for Punjabi Bagh and 40kA mentioned for Pitampura & Lawrence Road in SLD". As per the Table, "50kA/ 1 Sec has been specified for 415V LT Switchgear." With respect to above clause, we presume that (Main PMCC) 415V LT Switchgear shall be suitable for Short circuit withstand capacity of 50kA /1 Sec. Kindly Confirm.	Confirmed.
108.	Vol-4 (Part-G) Drawings & Vol-6 / Price Schedule	Dwg No: DJB/PMC/D WSIIIP/02 /BID/SLD/22 B & BOQ No. 1(b)- Design-Build : Electro Mechanical	PDF Page 22 & PDF Page 66 of 90	As per the referred SLD, "2 Nos of 800kVA 11/0.433kV, ONAN Transformer has been specified". As per the Price Schedule Sl. No-2.0, "2 Nos of 630kVA 11/0.433kV, ONAN Transformer has been specified" From the above clause are contradicting each other. Kindly confirm the final minimum rating of Transformer.	Confirmed 2x630 kVA ONAN Transformer as per price schedule s. no.-2.0

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Sl. No.	Bid Volume No. and Section No.	Clause / Sub Clause No.	Page No	Bidder's Queries	Response
		Works			
109.	Vol-4 (Part-G) Drawings & Vol-6 / Price Schedule	Dwg No: DJB/PMC/D WSIIP/02 /BID/SLD/22 C & BOQ No. 1(b)- Design-Build : Electro Mechanical Works	PDF Page 23 & PDF Page 72 of 90	As per the referred SLD, "2 Nos of 1000kVA 11/0.433kV, ONAN Transformer and 1600A Bus duct has been specified". As per the Price Schedule Sl. No-2.0, "2 Nos of 1250kVA 11/0.433kV, ONAN Transformer and 2000A Bus duct has been specified" From the above clauses are contradicting with each other. Kindly confirm the final minimum rating of Transformer and Bus duct.	Confirmed 2x1250 kVA ONAN Transformer as per price schedule s.no.-2.0 and bus duct rating will be 2000A
110.	Volume-1 Technical bid	Table -7: Scope of major Work and Services	105/5 61	As per mentioned clause, we understand that establishment of Consumer Relation Management Centre (CRMC) at each UGR @40 Sqm and Central Consumer Relation Management Centre (CCRMC) @60 Sqm in any one UGR is under the scope of work under this package. However, in BOQ there is no provision for the same. Kindly include the same in BOQ and issue necessary amendments.	Quantities are already included in BOQ.
111.	Volume-6 – Price Bid	-	-	As per mentioned clause, we understand that PLC/ SCADA based automation to be provided for 3 pumping stations and 50 nos. DMA. However, in BOQ there is no provision for the same.	PLC/ SCADA based automation to be accommodated within pumping station and no separate room is

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Sl. No.	Bid Volume No. and Section No.	Clause / Sub Clause No.	Page No	Bidder's Queries	Response
				Kindly amend the BOQ with dimension details of control rooms for necessary consideration.	required.
112.	Volume 3 Particular specifications	Uninterruptible Power Supply (UPS) & 2) Battery bank	149/159 & 152/159	As per referred clause (page no. 149/159), backup period for the UPS system is mentioned as 120 minutes on full load. Whereas, as per the referred clause (page 152/159), battery backup period of 60 minutes for full load is mentioned. Both clauses are differing. However, we presume that 60 minutes battery backup is sufficient. Kindly clarify and confirm.	UPS & Battery Backup will be 120 minutes.
113.	Volume 3 Particular specifications	DMA Flow measuring systems & Associated Instrumentation system	124/160	As per the referred clause, we understand that actuated flow control valve, electromagnetic flowmeter, residual chlorine and pressure transmitter to be provided at the each DMA inlet. In this regard, Kindly clarify and confirm the Power supply availability at DMA locations for operation of field instruments and valves.	Power will be tapped from nearest source of mains supply.
114.	Volume-6 – Price Bid	D. INSTRUMENTATIONS FOR UGR AT PUNJABI BAGH, PITAMPURA, LAWRENCE ROAD AND DMAs	78/90	As per referred clause, 57 nos. electromagnetic flow meters to be provided. However, there is no provision in BOQ for construction of flow meter chambers. Kindly clarify and amend the BOQ accordingly.	Quantiles of civil works like PCc, RCc , shuttering etc for construction of flow meter chambers have included in BOQ elsewhere.

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Sl. No.	Bid Volume No. and Section No.	Clause / Sub Clause No.	Page No	Bidder's Queries	Response
		(DWSIIP/02)			
115.	Volume-1 – Technical bid	6.1.34 Meter Testing	141/561	As per referred clause, we understand that test bench setup to be provided for consumer water meter calibration/ accuracy testing. In this regard, kindly provide the following: I. Detailed technical specification for test bench. II. Room availability (Size and Location) for establishing the test bench. III. If room is not available, kindly include the provision for construction of room for test bench in BOQ.	As per Bid document.
116.	Volume 4 Drawing Part-B	DJB/PMC/DWSIIP/02/BI D/GEN/13	2/20	As per the referred drawing, water meter is provided with meter box. However, provision for water meter box is not available in the BOQ. Kindly clarify and amend the BOQ accordingly.	Meter box is not considered at this stage.
117.	Volume 3 Particular specifications	6.2.2.5 Particular specification (Instrumentation Control & Automation, SCADA)	99/159	As per referred clause, Level switches and Level gauges to be provided in UGR locations. But, there is no provision of the same in BOQ. Kindly amend the BOQ accordingly.	Bidder to consider cost of Level switches and Level gauges under overall cost of SCADA.
118.	Volume-1 – Technical bid	6.1.14 Electrical, Instrumentation, Control	123/561	As per the referred clause, the following software packages to be provided at LSC: I. Water distribution and Pressure management II. Water leakage management	Bidder to consider cost of software packages under overall cost of SCADA .

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Sl. No.	Bid Volume No. and Section No.	Clause / Sub Clause No.	Page No	Bidder's Queries	Response
		and Automation BASIC SYSTEM DESCRIPTION		III. Water supply operation In this regard, kindly provide the detailed technical specification for all these software and also include the requirements in BOQ.	
119.	Volume-1 – Technical bid	Table -7: Scope of major Work and Services	105/561	As per the referred clause, water quality monitoring points to be provided for 50 DMAs and 3 UGRs. Whereas, the provision of the same is not available in the BOQ. Kindly amend the BOQ accordingly.	Bidder to consider cost of water quality monitoring points under their overall cost.
120.	Volume 4 – Drawing (Part-G)	DJB/PMC/DWSIIP/02/BID/SCADA/23	23/25	As per the referred drawing, we understand that Redundant PLC to be provided only at Punjabi bagh UGR. Kindly clarify and confirm.	PLC shall be redundant type at each Pump house/UGR. PLC at Punjabi bagh will receive signals transmitted from field transmitters and convey the same to main SCADA to be installed at WTP
121.	Volume 1 – Technical bid & Volume-6 – Price Bid	6.1.12.5 Distribution Network Improvement (DNI) on DMA Basis & D.	109/651 & 78/90	As per the referred clause in Volume 1 Technical bid, we understand that each DMA will have atleast 2 critical pressure measuring points for continuous logging of pressure. As per the BOQ, pressure transmitter of 121 Nos. (21 Nos. at pumping stations + 50 Nos. at DMA inlet + 50 Nos. at one critical measuring point) are provided. Whereas, additional 50 Nos. pressure transmitter is required for another critical measuring point.	Bidder to consider the quantities as per BOQ . During execution, Contractor will be paid for actual quantities executed.

Clarifications to Bidder's Queries

Sl. No.	Bid Volume No. and Section No.	Clause / Sub Clause No.	Page No	Bidder's Queries	Response
		INSTRUMENTATIONS FOR UGR AT PUNJABI BAGH, PITAMPURA, LAWRENCE ROAD AND DMAs (DWSIIP/02)		Kindly amend the BOQ accordingly.	
122.	Volume 4 – Drawing (Part-G) & Volume-6 – Price Bid	DJB/PMC/DWSIIP/02/BIDD/SCADA/23 & D. INSTRUMENTATIONS FOR UGR AT PUNJABI BAGH, PITAMPURA, LAWREN	23/25 & 78/90	As per the referred clauses, Electromagnetic flow meter quantity does not match in BOQ and Drawing. Kindly clarify and confirm the requirement of electromagnetic flow meters.	Bidder to consider the quantities as per BOQ . During execution, Contractor will be paid for actual quantities executed.

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Sl. No.	Bid Volume No. and Section No.	Clause / Sub Clause No.	Page No	Bidder's Queries	Response
		CE ROAD AND DMAs (DWSIIP/02)			
123.	Volume-6 – Price Bid	PART-E CONSUMER METER Sl.No. 5	55/90	<p>As per the referred clause, 99 nos. woltman type water meter are provided.</p> <p>In this regard, Kindly clarify the following:</p> <ul style="list-style-type: none"> • Application and location details of these water meter. • Provision of protection box of chamber details for the water meters. • Details of Data collection method and Integration of these water meter data to the central monitoring station. 	<p>These are required for bulk consumer.</p> <p>Details of location will be shared with Successful bidder.</p> <p>Quantities of chamber will be paid as per actual quantity executed.</p> <p>Integration of these meters shall be done considering same arrangements with other consumer meters.</p>
124.	Volume 1 Section 8	6 (B-vi) Water Quality at Consumer Connection Points (From the Initial Takeover Date to end of Contract)	8-56	<p>As per referred clause states that, <i>“Daily 1 sample from each DMA to be tested. (Result should be min. 0.2ppm of residual chlorine).”</i></p> <p>Whereas in the price bid there is no provision of cost for rechlorination system. We presume that there is no rechlorination scope in this tender for the distribution scheme. Kindly confirm.</p> <p>If yes. Kindly confirm number of locations, Capacity and type to be considered for rechlorination system. Kindly include the same in BOQ and issue necessary amendments.</p>	<p>As per Bid document.</p> <p>There is no chlorination included under scope of works.</p>

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Sl. No.	Bid Volume No. and Section No.	Clause / Sub Clause No.	Page No	Bidder's Queries	Response
125.	Volume 6	32	5-7	<p>As per the referred clause, <i>"The Contractor has to ensure availability of minimum manpower during the Operation Services period as stipulated under Clause No 6.5, Personnel Requirement, Section 6, Employers Requirement. The Contractor need to submit details of manpower deployed on monthly basis as a part of their Operating Performance Report (OPR). Penalty will be levied at the rate of 10% of the annual O&M fee per month (maximum penalty 100% of annual O&M fee) in case the Contractor is unable to demonstrate availability of the following manpower."</i></p> <p>We request you to consider maximum penalty as 5% of annual O&M fee.</p>	Penalty will be levied at the rate of 1% of the annual O&M fee per month (maximum penalty 10% of annual O&M fee) in case the Contractor is unable to demonstrate availability of the manpower.
126.	Section 6 – Employer's Requirements	6.5	6-88	We understand that the minimum manpower mentioned is just a guideline and that the contractor is free to choose the required manpower for ensuring optimum level of functioning. Kindly confirm.	As per Bid document.
127.	General	-	-	We understand the any replacement or spares required for attending to break down of any existing system and equipment during O&M Period will be reimbursed extra at actuals. Kindly confirm.	As per Bid document.
128.	Volume-5	Bill - 3	-	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.	Bidder to refer para 2 under page 8-42 under section 8.
129.	General	-	-	We request you to kindly accept additional set of queries and reply necessary amendments for same, which will be send after Site Visit.	Not agreed. Bidder to refer ITB 7.5 and ITB 7.1 at section -1 of volume-1.

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Sl. No.	Bid Volume No. and Section No.	Clause / Sub Clause No.	Page No	Bidder's Queries	Response
130.	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	Bidder to refer addendum at the Employers website, if any.
131.	Volume-1 Section- 3	2.4.1.3		The experience for house service connection of 55200 is large quantity. The concept for O&M is new in India and the agency who have done the O&M with such quantity of HSC is very few. Request to relax the HSC connections of 40000 or consider the minimum population of the city of above 200000. This conditions already allowed for the recent tender of same ADB Project for Wazirabad. (NIT No. 9 (2018-19)) Also consider experience of SCADA/PLC controlled water supply projects in same contract or different contracts of water supply project.	As per Bid document.
132.	Volume-1 Section - 8	14.3(c)		The retention money of 10% as specified is very high. This adversely effect the cash flow of the contractor during the initial period. Therefore we request you to reduce the percentage of retention money to 5% on every bill instead 10%. Also request you to consider retention of money in the form of Bank Guarantee of equivalent amount.	As per Bid document.
133.				All the statutory charges for obtaining approvals from Govt. departments/local bodies shall be borne by the department. Please confirm	Bidder to refer corrigendum & addendum-3.
134.	Volume -1 Section – s	4.2		We request to consider release of design build performance security as under: 75% to be released at the end of retention period (from the date of issue of commissioning certificate) 25% to be released from the date of issue of contractual completion	Bidder to refer corrigendum & addendum-3.

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Sl. No.	Bid Volume No. and Section No.	Clause / Sub Clause No.	Page No	Bidder's Queries	Response
				certificate Please consider and confirm.	
135.		4.2A		We understand that the parent company guarantee is required only in those cases if the bidder uses construction experience of the Parent Company. Kindly confirm.	Bidder to refer corrigendum & addendum-3.
136.	Volume 1, Section 4, Bidding Forms, Affiliate Company Guarantee		4-9	It is our understanding that if the Contractor uses the construction experience of its Parent Company or any Affiliate or Subcontractors, an Affiliate Company Guarantee is to be provided in the format provided in Section-4, Bidding Forms. In case, if the bidder does not use any construction experience, then the bidder is not required to submit any Parent Company. Please confirm.	Confirmed.
137.	Volume 1, Section 4, Bidding Forms, Affiliate Company Guarantee		4-9	It is requested to kindly insert the limit the maximum liability of the Guarantor under the Affiliate Company Guarantee. We request an addition in this format to the effect as mentioned below: "The maximum aggregate amount of liability of the Guarantor under this Guarantee shall not exceed the maximum aggregate amount of liability of the Contractor under the Contract." Please confirm.	Confirmed. The maximum aggregate amount of liability of the Guarantor under this Guarantee shall not exceed the maximum aggregate amount of liability of the Contractor under the Contract
138.	Volume 1, Section 4, Bidding Forms,		4-9	It is requested the bidder should allow to submit an "Undertaking to provide Parent/Affiliate Company Guarantee from the Bidder and/or its Parent Company" at the time of bid submission.	Confirmed. Bidder to refer corrigendum & addendum-3.

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	Affiliate Company Guarantee			<p>Please Confirm.</p> <p>Upon being awarded the Contract, the Contractor undertakes to provide the Parent/Affiliate Company Guarantee at the time of signing the Contract and submission of Performance Securities, i.e. within 28 days from the date of Award.</p> <p>Please confirm.</p>	
139.	Volume 1, Section 8, Particular Conditions of Contract		8-3,	<p>Design -Build Performance Security: As per the tender conditions the performance security of 10% of the DB Price against a BG; to be returned: a. 50% at the end of the retention period (365 days after issuance of the commissioning certificate) b. 25% after 5 years of commissioning certificate c. 25% after issue of contract completion certificate</p> <p>We request the following: The performance Security should be returned after 365 days of the commissioning certificate.</p> <p>Operations Services Performance Security: Kindly make the Performance Security @ 10% of the O&M contract value for the prevailing year of O&M period, which shall further be renewed for remaining O&M period on yearly basis @ 10% of the respective annual O&M Value.”</p>	Bidder to refer corrigendum & addendum-3.

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Sl. No.	Bid Volume No. and Section No.	Clause / Sub Clause No.	Page No	Bidder's Queries	Response
140.	Volume 1, Section 8, Particular Conditions of Contract		8-5	Retention money of 10 % on every bill is too high. 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.	As per bid document.
141.	Volume 1, Section 8, Particular Conditions of Contract		8-6	Please limit the liability of the Contractor to 0.5% of the Accepted Contract Amount attributable to DB period. Also, we request you to limit the liability during O&M to a maximum of One (1) Year's O&M fee (payment). Please confirm.	As per bid document.
142.	Volume 1, Section 8, Particular Conditions of Contract		8-41	As per the tender conditions the payment eligibility for all pipes and accessories, HSCs, meters, are following i. 60% payment on supply and stacking of material ii. 20% payment on laying and jointing and hydrotesting iii. 20% payment on commissioning and successful demonstrating of the performance indicators of NRW and pressure in DMA for the 3 months of testing period We request to revise the above payment schedule as per following: i. 70% payment on supply and stacking of material ii. 20% payment on laying and jointing iii. 5% payment on successful hydro-testing iv. 5% payment on commissioning, road restoration The contract already has provision of 15% performance related	Bidder to refer corrigendum & addendum-3.

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				<p>guarantees in the form of 10% performance bank guarantee and 5% retention money. Adding another 20% payment from major works (pipeline and accessories) towards NRW & Pressure shall amount to 35% performance guarantee for Design and build portion which is undesirable. It will block cashflows and makes it very risky and costly for contractors.</p> <p>NRW and pressure are derived output not solely based on completion of work but affected by availability of water, quality of existing pipeline, HSC and meters proposed to be retained under the contract and NRW levels and pressure profile require long time to stabilise. In case any small amount is proposed to be retained, it shall be released against bank guarantee.</p>													
143.	Volume 1, Section 6, Employer's requirements		6-43	<p>The current stipulated timeline for SIP preparation are too short. We request you to kindly revise the timelines as below. Table 9</p> <table border="1"> <thead> <tr> <th>Sr No</th> <th>Sectional Milestone</th> <th>Time from Stipulated date of contract start(days)</th> <th>Event of start</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Mobilisation</td> <td>60</td> <td>Commencement Date</td> </tr> <tr> <td>2</td> <td>Preparation of Service Improvement Plan (SIP)</td> <td>270 Days – SIP Submission 300 Days – SIP Approval</td> <td>Commencement Date</td> </tr> </tbody> </table>	Sr No	Sectional Milestone	Time from Stipulated date of contract start(days)	Event of start	1	Mobilisation	60	Commencement Date	2	Preparation of Service Improvement Plan (SIP)	270 Days – SIP Submission 300 Days – SIP Approval	Commencement Date	As per bid document.
Sr No	Sectional Milestone	Time from Stipulated date of contract start(days)	Event of start														
1	Mobilisation	60	Commencement Date														
2	Preparation of Service Improvement Plan (SIP)	270 Days – SIP Submission 300 Days – SIP Approval	Commencement Date														

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Sl. No.	Bid Volume No. and Section No.	Clause / Sub Clause No.	Page No	Bidder's Queries	Response
				We request -Procurement and works shall be allowed to commence in areas/DMA's designed and approved. The overall SIP preparation shall continue till 270 days while works starts in parallel.	
144.	Volume 1, Section 6, Employer's requirements		6-46	The Transition period of 90 days to take over entire operation and maintenance is too short. We request the transition happens over 6-9 months to allow the Contractor be familiarised with the existing operations, bottlenecks and critical parameters to be able to sustain the operation and maintenance as on where basis while putting in place a well-studied action plan for improvement of operations. A master list of assets to be taken over, measurement of existing level of operations and maintenance (as base) along with snag list will need to be prepared within such time and agreed upon before handover.	Bidder to refer corrigendum & addendum-3.
145.	Volume 1, Section 6, Employer's requirements		6-13	The total number of AMR meters installed within the Project Area is 27,720 meters. Please clarify, whose responsibility it is during project execution to replace the defunct or non-working AMR meters installed under the 'Metering Contract'. In case meter has to be changed, the meter shall be replaced under AMR meter category at cost and risk of "Metering Contract" – Contractor.	The responsibility to replace the defunct or non-working AMR meters installed under the 'Metering Contract' lies with the contractor under 'Metering Contract' till the validity of metering contract. After expiry of duration of 'Metering Contract', responsibility to replace meters lies with contractor under this bid.
146.	Volume 6, Price Bid		Bill - 3 -Page 1 of 6	Payment for Operation Service – For the period between Final Taking Over Date to Contract Completion. As per the tender the O&M price from Final Take Over Date till Contract	Minimum guaranteed volume for supply of water during operational services period as per para 3 "In the event..... will be applicable"

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Package – DWSIIP/02: Distribution System Improvement in UGR Command Areas Punjabi Bagh (G-02), Pitampura (H-06) and Lawrence Road (H-08), Targeting Continuous Pressurized Water Supply and DMA based NRW Reduction and Providing House service connections

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				Completion to be quoted on ML basis .We request the O&M price from Final Take Over Date till Contract Completion to be quoted on lumpsum monthly basis. Bulk supply is not in control of the contractor. Given the water shortage in Delhi region, it is too risky to assume that the minimum guaranteed volume (which itself is the maximum supply volume) will be supplied every month. Only 60% of quoted rate for the year/month (ie Fixed fee (75%) of 80% of guarantee volume) is guaranteed under the contract which is undesirable. If not lumpsum, atleast full quoted amount for the year shall be paid to Contractor incase water supply falls short of guaranteed amount. Contractor cannot risk 40% payment for reason beyond its control.	at page 8-42 of volume-1 shall prevail.
147.	Volume 1, Section 8, Particular Conditions of Contract		8-22	<p>It is our understanding that the clause mentioned as point (f) (Employer shall have the full authority to decide on "Extension of Time for completion of Design Build". Employer's representative will review above requirement and submit recommendations to Employer for approval) is in addition to the circumstances mentioned in point (a) to (e). kindly confirm.</p> <p>It is our understanding that if a Dispute regarding an extension of time has been referred to the DAB, the Contractor shall be immediately entitled to any extension of the Time for Completion of Design-Build which is decided by the DAB under Sub-Clause 20.6. kindly confirm.</p>	Provisions as per bid document prevail.
148.	General			All the Statutory charges for obtaining approvals from local, govt bodies shall be borne by the client. Please confirm.	Bidder to refer corrigendum & addendum-3.

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149.	Volume 1, Section 8, Schedule 3			Kindly provide maximum capping on O & M penalty.	Bidder to refer clause 10.6 (b) at page 8-4 under section 8.
150.	General			We presume that electrical power consumption charges, diesel etc during trial run, testing, commissioning, O & M shall be borne by DJB. Please confirm.	Bidder may refer clause 1.14(b), 1.14 (d) & € under section-8 of volume-1.
151.	Volume 1, Section 8,, Clause 20.6, Page No. 8-9.		8-33	Kindly provide for the following in the Arbitration Clause for Arbitration with Domestic Contractors: <ul style="list-style-type: none"> • Manner of Appointment of Arbitrators: Both parties should be given the right to appoint an arbitrator each and the two appointed Arbitrator shall mutually appoint the Presiding Arbitrator. • Cost of Arbitration: Both parties shall mutually share the cost of arbitration. • Governing Law: Arbitration & Conciliation Act, 1996. Please confirm.	Confirmed.
152.	Volume 6 – Price Bid		9,17	Please provide location and soil strata along with tentative depth to be considered for these two items of works.	Bidder to refer geotechnical Investigation Report at Annex D under section 6.
153.	Volume 4		-	Please provide drawing in Auto-Cad Format for easy working of bidders.	Bidder to refer hard copy of drawings for legible text.
154.	Volume 3, Section 6.2.2.3 – Particular		Page 1	As per the referred clause Note 2, "All valves shall be fitted along with Dismantling Joints as an essential aid during the installation and removal of pipe sections and valves."	SS Expansion bellows type Joints to be considered.

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	Specifications (Mechanical Works)			In contrary to above note, as per BOQ Design-Build Mechanical Works & Volume 2 6.2.1.2 Standard Specifications (Mechanical Works). All Sluice Valves, Check Valves, Flow meters shall be installed between flanges with a flexible expansion bellows at one side. So, for Design-Build Mechanical works SS Expansion bellows type Joints shall be considered for allowing dismantling of valves. Please confirm.	
155.	Volume 3, Section 6.2.2.3 – Particular Specifications (Mechanical Works)		Page 4	As per the referred clause, there are vacuum pump required for Lawrence Road & Punjabi Bagh (2Nos. at each location) but Such requirement is nowhere mentioned in BOQ Design-Build Mechanical Works (Vol 6, CWPH-Mechanical: Punjabi Bagh & Lawrence road). Please confirm the requirement of the same.	Pump house to be design with positive suction, hence vacuum pump not require.
156.	Volume 6, BOQ No. 1(b)- Design-Build: Electro Mechanical Works		Page 6 of 20, Page 12 of 20 & Page 18 of 20	Air release valve for CWPH-Mechanical (Punjabi Bagh, Lawrence road & Pitampura) – “Supply, installation and testing of CI Double flanged Kinetic Air Release valve confirming to IS -14846 specifications”. Please confirm as here mentioned IS code is for Sluice valve & not for Air Valve, IS code for Air Valve is IS 14845.	Confirmed.

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157.	Volume 3, Section 6.2.2.3 – Particular Specifications (Mechanical Works)		Page 5	As per the referred clause, some details of Horizontal Centrifugal Pumps need to be furnished by the bidder for each pump under the contract. Please confirm whether the same needs to be submitted along with bid submission.	Confirmed.
158.	Volume 6, BOQ No. 1(b)- Design-Build: Electro Mechanical Works		Page 7 of 20, Page 12 of 20 & Page 19 of 20	<p>Exhaust fans for CWPH-Mechanical (Punjabi Bagh, Lawrence road & Pitampura) – “P&F of Heavy duty capacitor start 900/1400 RPM single phase ISI marked Exhaust fan, IS:2312 marked in existing opening including making connections testing etc. as required.” Above mentioned IS code (IS 2312) is for Propeller type exhaust fan.</p> <p>In contrary to above, as per Volume 3, Section 6.2.2.3 – Particular Specifications (Mechanical Works) clause 8, Axial type exhaust fans are required (for all locations). IS code for the same IS 3588.</p> <p>Please confirm Which one to consider? If it is axial Fans, same needs to be revised in BOQ Design-Build Mechanical.</p>	Propeller type exhaust fan to be considered.
159.	Volume 6, BOQ No. 1(b)- Design-Build: Electro Mechanical Works		Page 6 of 20 & Page 18 of 20	EOT Crane for CWPH-Mechanical (Punjabi Bagh & Lawrence road) – “Supply, installation and testing of EOT Crane (with geared travelling trolley complete with manually operated chain pulley block, long travel rail track moving or cross girder, brake, safety devices etc as per specifications) with pendant operated motorised arrangement to achieve EOT crane arrangement.” Above mentioned details are not clear with respect to requirement of EOT Crane (statement like, manually	Double Girder EOT crane to be considered.

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				operated chain pulley block) In contrary to above, we are considering it as Double Girder Electric Overhead Travelling Crane, Class II Duty complying to Spec requirements for EOT cranes as mentioned in Volume 2, 6.2.1.2, Standard Specifications (Mechanical Works) Please confirm.	
160.	Volume 6, BOQ No. 1(b)- Design-Build: Electro Mechanical Works		Page 5 of 20	Pump Flow rate & Head mentioned here (1112 m ³ /hr@29m & 335 m ³ /hr@29m) are not matching with the Values mentioned in Volume 3, Section 6.2.2.3 – Particular Specifications (Mechanical Works), 1. Horizontal Centrifugal Pumps (1064 m ³ /hr@28m & 320 m ³ /hr@28m). Referring to above inconsistency, we are considering the value mentioned in Design-Build BOQ Mechanical works which is 3 Nos., each of capacity 1112 m ³ /hr@29m & 3 Nos., each of capacity 335 m ³ /hr@29m Please confirm.	Attached revised Particular specification in line with BOQ.
161.	Volume 6, BOQ No. 1(b)- Design-Build: Electro Mechanical Works		Page 5 of 20 & 6 of 20	There are some discrepancies in the Sizes of Sluice valves, NRV, SS Expansion joints, Air valve mentioned here with the Sizes mentioned in Volume 3, Section 6.2.2.3 – Particular Specifications (Mechanical Works). Referring to the above, we are considering the sizes mentioned in Design-Build BOQ Mechanical works. Please confirm.	Confirmed.
162.	Volume 6, BOQ No. 1(b)- Design-		Page 17 of 20	Pump Flow rate & Head mentioned here (2650 m ³ /hr@35m & 795 m ³ /hr@35m) are not matching with the Values mentioned in Volume 3, Section 6.2.2.3 – Particular Specifications	Attached revised Particular specification in line with BOQ.

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	Build: Electro Mechanical Works			(Mechanical Works), 1. Horizontal Centrifugal Pumps (2112 m ³ /hr@33m & 634 m ³ /hr@33m). Referring to above inconsistency, we are considering the value mentioned in Design-Build BOQ Mechanical works which is 3 Nos., each of capacity 2650 m ³ /hr@35m & 3 Nos., each of capacity 795 m ³ /hr@35m Please confirm.	
163.	Volume 6, BOQ No. 1(b)- Design-Build: Electro Mechanical Works		Page 17 of 20 & 18 of 20	There are some discrepancies in the Sizes of Sluice valves, NRV, SS Expansion joints, Air valve, Sluice gate mentioned here with the Sizes mentioned in Volume 3, Section 6.2.2.3 – Particular Specifications (Mechanical Works). Referring to the above, we are considering the sizes mentioned in Design-Build BOQ Mechanical works. Please confirm.	Attached revised Particular specification in line with BOQ.
164.	Volume 2, Standard Specification		1	As per this clause "Liaison with NDPL/BSES and other Government organization/Statutory bodies for obtaining Power supply/ other clearance shall be Contractor's scope." From clause we understand that the bidder scope shall be from connection of 11 kV Cables at O/G of the metering panel installed in the plant premise by NDPL/BSES. The connection fee shall be paid by employer and bidder shall be responsible for liasioning work. Please confirm	DJB will provide assistance for getting the approval from statutory bodies. Any fee paid by the contractor for obtaining the approval will be reimbursed by DJB on production of documentary evidence.
165.	Volume 2 Standard Specification		64	We understand that the all the external/outdoor cabling shall be underground and internal/indoor cabling shall be either on cable tray or with in the trench please confirm	Confirmed that cables for external/outdoor shall be laid underground for Internal/indoor shall be laid in side the trench on

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					cable trays.
166.	Volume 3 Particular Specification		50	As per this clause the CCTV systems are required. Please provide the number of CCTV with locations and type of CCTV cameras to be installed in plant premises.	Gate-1, Panel Room-1, Pump House-1, UGR-2 Bullet Camera for Indoor, PTZ camera for Outdoor
167.	Volume 6 Price Bid		2	As per the Sl. No.: E and F of price bid BOQ asking for the 1set of RTU and PLC /SCADA System. From this we understand that the supply, installation and commission of SCADA system shall be limited to attached system architect with contract specification please confirm.	Bidder to refer Corrigendum and addendum no. 3.
168.	Volume 6 Price Bid		2	As per the Sl. No.: 6.1 and 6.2 of price bid BOQ asking power cable of "3C-2.5 for Field Instruments @30 Mtrs. of 1385 meter & 1P-1.5 for Field Instruments @10 Mtrs of 1190." Please confirm the quantity of the above cable as there is ambiguity in item description & unit quantity.	Bidder to refer Corrigendum and addendum no. 3.
169.	Volume 1	Clause 2.3.2		Metering is one of the key component of the project, plays a major role in success of the project. We being one of the major manufacturer would like to be part of Joint Venture. If we intend to bid for subject project in JV with another infrastructure company, there is a clause where each party must have construction turnover, but the definition under says Total Contract received for contracts in Progress, we infer that we as a manufacturer / supplier can use 100% of our turnover for meeting the financial qualifications. Please confirm or let us know which turnover must be considered.	Construction turnover can be considered and not manufacturing turn over.

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170		Volume I. Contracts of Similar Size Clause 2.4.1.3		<p>We request you to consider the following clause: Participation in at least one contract that have been successfully completed or is under operation and maintenance for minimum of 2 years within last 10 years prior to bid submission date, where the scope of works under the contract for operation and maintenance includes DMA/Zone based urban water distribution system serving a minimum of 55,200 house service connections/ population equivalent of 55200 house service connections.</p> <p>Kindly confirm.</p>	Bidder to refer corrigendum & addendum-3.
171		Volume I. Section 8 Clause 4.2 A		<p>As per NIT" The Return of Performance Security clause states that Design-Build Performance Security: 50% to be released at the end of the Retention Period (365 days after issuance of the Commissioning Certificate) 25% to be released at the end of the 1825 days after issuance of the Commissioning Certificate) 25% to be released after issue of Contract Completion Certificate</p> <p>As the general practice Performance security is released after 365 days from issuance of commissioning certificate. Since a separate Operations Service Performance security is required to be furnished, we request the Design Build Performance security be released after 45 days from the issue of commissioning certificate.</p> <p>Kindly confirm.</p>	Bidder to refer corrigendum & addendum-3.
172		Volume I Section 8		The contract already has provision of 10% performance bank guarantee and 5% retention money. Adding another 20% payment from major works (pipeline and accessories) towards NRW & Pressure shall amount	Bidder to refer corrigendum & addendum-3.

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				<p>to 35% performance guarantee for Design and build portion which is undesirable. It will block cashflows and makes it very risky and costly for contractors.</p> <p>We request you to kindly update the payment terms as suggested below: Supply & Stacking of material: 70% Laying & Jointing : 20 % Hydrotesting: :5 % Commissioning :5%</p>	
173		Section 8		<p>Tender states that for 80-100% performance of continuity of water supply, 2.5% of agreed O&M will be paid to the operator, which we feel is not correct.</p> <p>In this type of contracts going from 80-100% in performance is a huge task and it will depend on the expertise of contractor. We request you to break this 2.5% lumpsum payment in various levels like 80-85%, 85-90% and 90-100% and distribute the percentage accordingly. This will be beneficial to the contractors who can achieve this milestone early</p>	As per bid document.
174		Existing Meters		<p>We understand the Contractor has to undertake 27720 AMR meters already installed by previous contractors, please clarify on the following:</p> <ol style="list-style-type: none"> 1) How the Guarantees of the meters already installed will be pass on to contractor 2) If we have another meter manufacturer, he will have different protocol of Reading, then the bidder will have to have separate teams for taking reading 3) Training of Meter Reading & Billing of Meter Reading 	1) The responsibility to replace of the meters already installed under the 'Metering Contract' lies with the contractor under 'Metering Contract' till the validity of metering contract. After expiry of duration of 'Metering Contract', responsibility will

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				<p>4) What happens to existing contracts</p> <p>Kindly provide the clarity on existing meters in terms of specifications, guarantees. as 27720 is almost 21% of total connections which will play a major role in achieving O&M KPIs and costing.</p>	<p>pass to the contractor under this bid.</p> <p>2) Meter reading is contractor’s responsibility.</p> <p>3) As per bid document</p> <p>4) The responsibility of the meters already installed under the ‘Metering Contract’ lies with the contractor under ‘Metering Contract’ till the validity of metering contract.</p> <p>Bidder to refer corrigendum & addendum-3 for details of existing meters.</p>
175		Existing Infrastructur e- pipes		<p>Tender talks about retaining part of existing structures like pipes etc. Please clarify how the assessment of Existing pipeline to be retained has been done and also in case of failure of existing pipeline, how the contractor will be relieved from his KPIs.</p>	<p>In case of failure of existing pipe line, contractor has to submit documentary evidence. If evidence accepted, contractor can lay the new pipes which will be paid as per quoted rate for the corresponding item.</p>
176		Section 6 Employer Requirement - 6.1.30 Operating		<p>We would like to mention that providing continuous (24x7) water supply to consumers as per milestone provided under the clause would be difficult, providing continuous water supply is dependent on development of other associated infrastructures. Milestone for Physical work is ok but providing continuous water supply is not achievable without increased availability of portable water.</p>	<p>As per bid document.</p>

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		Obligation		We request you to relax continuous water supply to intermittent for the initial stages of the project.	
177		General		We presume that tanker running in command area shall continue to be run by client till final take over. In case the supply to fixed points by tanker is to be taken over by operator this mode of payment/tanker may be clarified. It is also a fact that in summers the demand goes high & additional tankers are required to be deployed. Please provide month wise tanker deployment schedule	As per bid document.
178				Please clarify in case of any capital replacement to be done during the O&M period, how the same will be paid to contractor. For example: 1) New House service connection to be provided 2) Meters to be changed after 7 Years Replacement of Items which are not replaced during the construction period	Bidder to refer items under Bill no.3 Operation services.
179				We assume all the permission from various agencies for executing the project will be taken before the commencement date, else achieving the milestone as per the document would be impossible, kindly confirm. Or please link the milestone timeline to actual permission dates.	As per bid document.
180				We presume that 100% meters will be replace with new meters, if not please clarify how the Meter Guarantee and accuracy of meters will be linked to the responsibility of contractors.	Yes. Confirmed.
181				Please clarify the distribution matrix of AMR/ Non AMR meters in respective zones. We hope there will be no mix of AMR/ Non AMR meters in respective zones as this will lead to huge commercial implications.	Identification of zone for AMR/ Non AMR meters will be done at execution stage depending upon response from consumer at

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				As for taking reading in the same area two different individual will be sent, one with HHU and other for Manual Reading	respective zones.
182				Please confirm if the area for AMR and Non AMR have been identified, please share the list of the same.	Identification of area for AMR/ Non AMR meters will be done at execution stage depending upon response from consumer at respective zones.
183				Instead of walkby, request for AMR Metering. Please consider Fixed Network as this will help in reducing NRW to a huge extent. AMR Reader will be going once in a month & action is taken only after a month whereas for Fixed Network reading will be coming on continuous basis, so monitoring becomes easy and helps in reduction of NRW.	As per bid document.
184		Volume 5 Price Bid Point No. 35		Please clarify Asset replacement fund and Bill 4 as mentioned in the clause is missing in Tender Documents	As per bid document.
185		Price Bid- Schedule 5		The BOQ provided under this head is considering only man months whereas a lot of other components are also involved under this head e.g. The price quoted by the Contractor for this component should include cost of all workshops, peptalks, street shows, campaigns under Public Outreach as a part of Employers Requirements. However, in the BOQ only man months are considered under this head. Please provide BOQ for other heads also.	As per bid document.

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186				Please confirm that land to be used for setting up yards/stores/ Customer Service Year etc will be provided by the DJB free of cost. Also, the electricity & Treated water will be provided free of cost to the contractor	DJB will make all efforts to provide land for setting up yard store etc. Bidder to refer clause 4.19 under section 9 for electricity and water.
187		Page no.123 (Basic System Description) Volume 1		(i) We kindly request you to please provide Minimum Technical Requirement of the software mentioned here apart from SCADA. (ii) Kindly mention the number of user license required. Since there are many software /platforms version available in the market, hence above-mentioned minimum information is required to prepare commercial bid.	As per Bid document.
188		Page No. 66(7.2.7 software) & (7.2.8 Hand Held Unit) Volume 3		We request you to consider cloud based android application for reading AMR meters as now HHU technology has become almost obsolete. Moreover, the project has a major objective of maintaining NRW..these cloud application do help in managing and analyzing DMA data in a more efficient manner. Also, it is very easy to integrate this data in Local command center through SCADA. Kindly Confirm.	Bidders are free to propose advance technology with cloud base solution, instead of manually upload route technology.

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189.	Volume 1 Section 6	6.1.18 Table 9	6-49	<p>The time period for O&M of the individual DMA is shown as 3650 days from the date of issuance of Commissioning Certificate for each DMA. However, as per Part B (Specific Provisions) Clause 1.1.58 and also in PCC Clause 8.2, the O&M of any particular DMA is stipulated as between the commissioning of individual DMA till the Contract Completion Date, which is more than 10 years depending on the timing of commissioning of that particular DMA.</p> <p>Please clarify whether the O&M of the individual DMA will be restricted to 3650 days or can be more than 3650 days depending on the commissioning of that particular DMA.</p> <p>In other words, will the O&M of all the DMAs will continue till the end of Contract Completion or will end on completion of 10 years after commissioning of that particular DMA. In the latter case, the handing over of the DMAs to DJB will be in a phased manner.</p>	O&M of the individual DMA will be more than 3650 days depending on the sectional commissioning of that particular DMA.
190.	Volume 1 Section 6	6.1.18 Table 9	6-49	Please clarify whether DJB will issue Commissioning Certificate for the individual DMA as well.	No.
191.	Volume 1 Section 8 Part B (Specific Provisions)	1.1.58	8-7	<p>The clause mentions the following; "In addition to these, the Contractor has to operate the existing water supply services at existing service levels from 121st day from the commencement date at his quoted rate...."</p> <p>It is not clear whether the Contractor is expected to take over only the commissioned DMAs (as and when the particular DMA is commissioned) or the entire water system irrespective of whether the DMA is</p>	Contractor must take over entire water system and has to operate the existing water supply services at existing service levels from 121 st day from the commencement date at his quoted rate

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				<p>commissioned or not from 121st day. In all other places in the Contract, the Contractor will take over the DMAs in a phased manner as and when they are commissioned (sectional commissioning). Please clarify.</p>	
192.	Volume 1 Section 8 Part B (Specific Provisions)	10.7	8-23	<p>Appendix 2 mentioned in the clause is not available in the tender documents. Kindly provide the same.</p>	<p>Instated of Appendix 2, bidder may please refer to "schedule 3: Contractors payment" under section -8.</p>
193.	FIDIC GCC	13.6	50	<p>There is no provision for any change in tax rate or introduction of new tax in the Part A or Part B. The new clause 13.9 added in the Part B-Specific Provisions only refers to the benefits received by the Contractor which will be passed on to the Employer. However, it is silent on reimbursement to the Contractor in case of any new circular/order issued subsequent to the Base Date. We presume that any such additional liability paid by the Contractor shall be fully reimbursed (or in case of downward revision, shall be adjusted) in the monthly bills by the Employer. Please confirm.</p>	<p>As per Bid document.</p>
194.	Volume 1 Section 8 Part A (Contract Data) and Part B (Specific Provisions)	14.2	-	<p>Please specify how the Advance Payment will be recovered from the Contractor.</p>	<p>Bidder to refer FIDIC Gold book GCC clause 14.2 (a) and (b)</p>
195.	Volume 1	14.2		<p>Please clarify if the Contractor is required to submit advance payment</p>	<p>As per Bid document.</p>

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	Section 8 Part A (Contract Data) and Part B (Specific Provisions)			Bank Guarantee equivalent to 5% of the Accepted Contracted amount attributable to the Design build and another 5% before the second advance payment instalment.	
196.	Volume 1 Section 8 Part B (Specific Provisions)	14.8	8-29	Appendix 1 mentioned in the clause is not available in the tender documents. Kindly provide the same. Also, please provide format the Asset Replacement Schedule that will be filled up by the Bidder.	Format of the Asset Replacement Schedule to be submitted by contractor along with SIP for approval of Employer. Approved Asset Replacement Schedule shall be referred as Appendix 1
197.	Section 6	Table 10	6-49	It is our understanding that for any delay penalty as provided shall be levied. Please clarify if this penalty amount shall be adjusted in case the Contractor is liable to pay delay damages for delay in completion of design build period.	Penalty amount shall not be adjusted
198.	-	-	-	The Contractor is expected to retain about 25% distribution network pipelines in the proposed system. Since these pipelines are not procured and laid by the Contractor, it would not be fair to the Contractor to assume the responsibility of the performance of this old network. Therefore, we request you that in case any repairs or replacement is required to the existing network which is retained in the proposed system, the cost of such repair or replacement shall be reimbursed to the Contractor by the Employer.	As per bid document.
199.	Technical Bid - Volume 1	Page no. 141 (6.1.34)		IS 779 is silent about permissible error of meters from field while ISO 4064:2005 allows max permissible error for meters from field as $\pm 10\%$ at Qmin and $\pm 5\%$ at flow rates after and including Qt. Kindly accept.	As per Bid document...

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		Meter Testing)			
200.	Technical Bid - Volume 1	Page no. 141 (6.1.34 Meter Testing)		Kindly confirm How many portable test bench needed.	As per Bid document.
201.	Technical Bid - Volume 3	Page no. 61 (7.1 Non AMR Water Meters) and Page No. 63 (7.2.1 Applicable Standards)		Please note 1) International standards for water meters has been revised to ISO 4064:2005/2014 and water meter classes have been replaced by Ratios. 2) EEC marking has been replaced by CE/MID marking. 3) water meters can have an OIML certificate but there is no provision for OIML marking in ths said standard. Hence , We understand from the technical specifications that water meters which conform to either IS 779 with ISI mark or ISO 4064 with CE/MID certification mark is acceptable . Kindly confirm .	As per Bid document.
202.	Technical Bid - Volume 3	Page no. 62 (7.1.2 Markings on the body of the		As per ISO 4064:2004/2014 water meter classes have been replaced by Ratios. Hence along with Class B marking for ISI marked meters , R50 marking for MID/CE marked meters should be acceptable. Kindly confirm	As per Bid document.

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		Meter) and Page No. 64(7.2.3 Markings on the Body of the Meter)			
203.	Technical Bid - Volume 3	Page no. 62 (7.1.2 Markings on the body of the Meter) and Page No. 64(7.2.3 Markings on the Body of the Meter)		ISO 4064:1993 has been revised. Kindly accept ISO 4064:2005 or ISO 4064:2014 marking.	As per Bid document.
204.	Technical Bid - Volume 3	Page no. 62 (7.1.2 Markings on the		Please note EEC marking is now replaced by MID /CE marking. MID/CE marking is earned by following latest ISO 4064 and OIML standards . Hence there is no OIML marking . Kindly accept only ISI or MID /CE marking along with ISO or MID certificate. Please confirm.	As per Bid document.

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		body of the Meter) and Page No. 64(7.2.3 Markings on the Body of the Meter)			
205.				Kindly include Life Cycle test certificate for NON AMR meters to procure best quality meters.	As per Bid document.
206.	Technical Bid - Volume 3	Page No. 63 (7.2 AMR Water Meter)		The latest ISO 4064 standard is ISO 4064:2005/2014. EEC is updated and revised to MID . Hence water meters as per ISO 4064 latest standard with CE marking and MID certificate number should only be acceptable .	As per Bid document.
207.	Technical Bid - Volume 5	Page no. 67		Kindly confirm how many samples are to be submitted for Lab testing . General acceptable industry practise is to submit 3 meters of 15 mm in one week of bid submission. Please confirm .	As per Bid document.
208.	Technical Bid - Volume 6	Page no. 67		Endurance test is carried out on water meters to establish good accuracy throughout the life of meter and forms a part of design approval , which is not generally done unless there is a change in design of meters. For	As per Bid document.

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				those manufacturers who already have earned Endurance test certificate from FCRI , this test is requested not to be repeated since it takes two months to complete the test and cost of testing is also very high. Kindly accept the endurance test certificate instead of new test. Kindly Confirm .	
209.	Technical Bid - Volume 1	Page no. 42 (2.3.2)		<p>We being one of the largest meter manufacturer, we would like to be part of Joint Venture, which will enable in successful execution of project as metering being one of the important component.</p> <p>As per Pre-qualification there is a clause which states that each partner in joint venture should have construction turnover or its equivalent calculated as total certified payments received for contracts in progress or completed, within the last five (5) years</p> <p>As per our understanding, we presume that payment received against the orders executed by us as supplier/ manufacturer will be considered as for meeting 25% or 40% of Construction turnover requirement.</p> <p>Please confirm if we can use 100% of our turnover to meet this criterion.</p>	As per Bid document.
210.				Pre shipment inspection is carried out at manufacturer's place before supply to ensure supply of good quality meters. DJB may appoint a Third party inspection agency to carry out Pre Shipment inspection. Kindly confirm	As per Bid document.
211.				It is highly recommended to send few meters from the supplied lot to FCRI for accuracy and pressure tests to accept or reject the supplied lot .Table 4 of IS 779 clearly mentions the Sample Size and Criteria for lot Acceptance. Kindly consider and confirm	Bidder to refer para "Lab testing" under clause 7.2.8 at Page 15 of Volume 3 of Bid documents.

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212.	IFB Volume 1	Clause 3 2.4.2.3	Page 2 Page 3-11	<p>IFB clause states that “Experience in Design, Construction and Commissioning of trenchless technology works for a minimum of 1.7 Kms within last ten (10) years in a single or multiple contract.”</p> <p>Whereas, as per clause 2.4.2.3 of Section-3 (Evaluation and Qualification Criteria), “Experience in of trenchless technology works for minimum of 1.7 kms within last 10 years prior to bid submission date, in a single or multiple contract, of which at least 1 contract shall include minimum of 800 mm diameter of carrier pipe in single stretch of 60 meters.”</p> <p>We would like to bring to your kind notice that, the above two clauses vary in seeking the eligibility of Trenchless work. Hence, we presume that the Eligibility stated in Clause 2.4.2.3 in Section – 3 (EQC) of Volume 1 Technical Bid prevails. Kindly confirm.</p>	Confirmed. Eligibility as stated in Clause 2.4.2.3 in Section – 3 (EQC) of Volume 1 Technical Bid shall prevails
213.	Volume 1 Section 8 Schedule 5	2	8-54	The mechanism of measurement (please refer to “ <i>Measured By</i> ” <i>SI shall be the</i>) is not clear. Please clarify in detail how the System Input Volume will be calculated.	Bidder to refer corrigendum & addendum-3.
214.	Volume 1 Section 6 Employer’s Requirements	6.1.10	6-15	<p>The volume of water has been indicated in ML per annum. However, for the system to run efficiently, the Contractor will require guaranteed volume of water on <u>daily</u> basis. Variations in daily supply will adversely affect the performance of the system as well as achievement of KPIs. The system can take only limited variation in the flows.</p> <p>Therefore, please confirm that the minimum quantity of water to be made available to the Contractor on a daily basis will be the annual figure indicated divided by 365 within a range of ±5%.</p>	Yes. Confirmed.

Clarifications to Bidder's Queries

215.	Volume 1 Section 8 Schedule 3	3.0	8-42	<p>Our understanding for the 2nd bullet point under paragraph 4 is that the Contractor is actually guaranteed for only Fixed Payment for the shortfall below 80% of the Minimum Guarantee Volume (MGV) to be provided by DJB. In other words, in case of shortfall below MGV by DJB, the Contractor will neither receive Fixed Payment or Performance Payment for the shortfall upto 80% of the MGV. Please clarify.</p> <p>If the above understanding is correct, then it is a big risk for the Contractor as;</p> <ul style="list-style-type: none"> i. The supply quantity is not in the control of the Contractor. ii. The Contractor will have entire cost as fixed cost for manpower, establishment, logistics etc. which is irrespective of the volume of water, especially as there are no chemicals, consumables or power that is to be paid by the Contractor. iii. Therefore, for no fault of the Contractor, in case of shortfall, the Contractor will not receive 20% of his O&M Fee for shortfall of 20% in MGV. iv. Moreover, the Contractor will also not receive 25% of the O&M Fee for any further shortfall. v. We would like to reiterate that almost the entire cost of operations is the Fixed Cost for the Contractor. As such it is unjust to penalise the Contractor for no fault. <p>We therefore request you to change this clause so as to compensate 100% of the O&M Fee for any shortfall in the quantity below the MGV.</p>	As per Bid document.
216.	Volume 1 Section 6 Employer's Requirements	6.1.8.3	6-13	<p>As per the Table 5 provided in this paragraph, the existing meters are shown as 21,075 and new domestic meters are 75,085. Please clarify whether the meters being provided under the ongoing Metering Contract are part of the existing meters (21,075) or new meters (75,085). If they are part of existing meters, the number indicated in Addendum No 6 Sr No 12 is higher than mentioned in Table 5. If they are part of the new meters (75,085), then the BoQ quantity should be reduced to reflect</p>	It is not related to Package DWSIIP/02.

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				the AMRs to be installed under this contract.	
217.	Volume 1 Section 6 Employer’s Requirements	6.1.8.3	6-13	Please clarify the scope of the Contractor engaged under ‘Metering Contract’ in terms of the following; 1. Any scope related to distribution network 2. Meter Reading 3. Billing and printing of bills 4. Bill Distribution 5. Maintenance of the HSCs (including leak repairs, replacement of the fittings etc.)	To be provided to successful bidder.
218.	Volume 1 Section 6 Employer’s Requirements	6.1.15	6-39	During Transition Period, the Contractor is expected to take over the areas for O&M gradually such that the entire Service Area will be taken over by 120 th day from the Commencement Date. We presume that for areas taken over by the Contractor during the Transition Period, payment will be based on number of connections taken over vis-à-vis the total expected number of connections. The payment will on pro-rate basis based on the number of connections taken over and the rate quoted by the Contractor for O&M between Initial Take Over Date to Final Take Over Date. Please confirm.	As per Bid document