

DELHI JAL BOARD: GOVT. OF NCT DELHI
OFFICE OF EXECUTIVE ENGINEER (PROJECT) WATER-II
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Telephone No.:011-23554573; E-mail address: eepw2.djb@nic.in

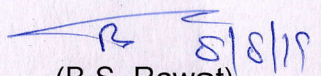
CORRIGENDUM No-2
NIT No. 02 (2019-20)/EE(Project)W-II

Improvement of Water Supply System by Construction/ Rehabilitation / Replacement, Supply, Laying, Installation, Testing, Commissioning of Transmission and Distribution Pipes with Appurtenances, Pumping Stations, UGRs, Service Connections and Consumer Meters, SCADA system, along with DMA formation and NRW Reduction in a Project Construction Period of 5-years and 4.5 -years O&M during construction period plus 5-years O&M after Construction to achieve the equitable and continuous (24 hours & 7 days/week) water distribution in the Chandrawal WTP Command Area (Package 2: West Zone)

Under

JICA assisted Delhi Water Supply Improvement Project in Chandrawal Water Treatment Plant Command area (Loan.ID-P 225)

The Pre- Bid meeting for the above mentioned work has been held on 21/06/2019. The corrigendum and addendum and Pre- Bid replies are enclosed herewith.

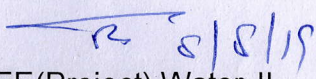

(B.S. Rawat)
EE (Project) Water-II

No. DJB/EE (Pr.)W-II/2019-20 -621

Dated:

Copy to: -

1. P.A to CEO / Member (A) / Member (F) / Member (WS) / Member (DR) / Addl. CEO, DJB /Dir. (F&A)
2. CE(Water)Project/CE(WW)/CE(Plg.)Water
3. SE(Project)W-III/SE(E&M)WC
4. DOV
5. EE(E&M)WC-II
6. EE(EDP)-To upload on DJB website.(www.delhijalboard.nic.in)
7. JICA India Office
8. Under Secretary JAPAN-III, DEA
9. M/S TEC Ltd. (Project Manager)
10. AE-III/ AAO
11. M/F & O/C


EE(Project) Water-II

JICA Assisted Delhi Water Supply Improvement Project in Chandrawal WTP Command Area (ID-P225)
REPLIES TO PRE-BID QUERIES AND CORRIGENDUM & ADDENDUM NO. 1
PACKAGE 2 (WEST)

Name of the Works : Improvement of Water Supply System by Construction/ Rehabilitation/ Replacement, Supply, Laying, Installation, Testing, Commissioning of Transmission & Distribution Pipes with Appurtenances, Pumping Stations, UGRs, Service Connections and Consumer Meters with DMA formation and NRW Reduction in a project construction period of 5 years and 4.5 years O&M during construction period plus 5-years O&M after construction to achieve the equitable and continuous (24 hours and 7 days/week) water distribution in Chandrawal WTP Command Area (Package 2: West Zone).

NIT Number and Date : NIT No. 02 (2019-20)/EE (Project) W-II dated 3.6.2019

A. CORRIGENDUM AND ADDENDUM

The following sections/clauses of the Bid documents are modified as shown in the Table below.

S.N.	Vol./ Section/ Page/ Clause	Reference or Original Text	Added, Modified or Clarified as
1	Vol-V, Stage Payment-Payment Milestones, Page 17 of 171	Second Table. Referred Texts: “The payment on supply of finished pipes will be made for a maximum length of 10 Kms of pipes at a time. Next instalment will be released such that the maximum quantities of supplied but unlaidd pipes doesn’t exceed 10 Kms.”	The Clause is amended as below. “The payment against 1 st milestone i.e. supply of finished pipes will be made for a maximum length of 30 kms of pipes at a time in total. Next instalment will be released such that the maximum quantities of supplied but unlaidd pipes doesn’t exceed 10 kms.”
2	Vol. II, Clause 8.7 and Table “Summary of Sections”, Page 10 of 67	Delay Damage for Sectional Completion pertaining to 1.A), 1.B), 1.C), 1.D) and 1.E) Works	This clause is modified and clarified as below. “The penalty against delay in intermediate milestone of Construction Phase will be reimbursed if the whole CAPEX work is completed within the stipulated time of 5 years”.
3	Vol. III, Part B, Section VI, Clause 2.1.3, Page OM 39-40 of 52	Overall Penalty Cap for non-achievement of KPI during O&M Post construction. “Remarks” Column of the Table.	Total penalties mentioned against each KPI under clause 2.1.3 in “Remarks” column at page OM-39 of 52, Volume III, Section VI, D. O&M Works on non-achievement of KPIs will be limited to 10% of the “max. Payment as % agreed O&M cost”. Apart from this, the performance based payment as mentioned in clause 2.1.2 page OM-38 of 52, Volume III, Section VI, D. O&M Works shall be made in proportion to the achievement of various KPIs vide Clause 2.1.3 page OM-39 of 52, Volume III,

S.N.	Vol./ Section/ Page/ Clause	Reference or Original Text	Added, Modified or Clarified as
			Section VI, D. O&M Works.
4	Vol. I, Section III, Note to Bidders- (iv), Page No. 19 of 97	“For contracts under which the Bidder participated as a JV member, only the Bidder’s share, by value of contract, physical size, complexity, methods/technology, and/or other characteristics, shall be considered to meet this requirement.”	This is deleted.
5	Vol. III, Section VI, Clause 1.3.3, Page No. G-9 of 90	“The bidder shall specify/propose 3 makes along with the Bid”	This is deleted.
6	Vol. I, Section IV, Clause 3.2, Page 23 of 97	Formula for Calculating Life Cycle Cost under clause 3.2(a).	The following texts are added under clause 3.2(a). Discounting factor for calculating present value of all future annual costs will be 10%. The formula shall be as follows. $PV = QP [1 \div (1 + i)^n]$ Wherein PV= Discounted present Value QP= Quartered price (Annual Future Value) i = Discount rate i.e. 10% n= No. of years for calculating the Present Value starting from first year of construction as 1.
7	Vol. III, Clause 7.3, Page A-62 of 80	2100 m3/hr @ 33 mwc	This shall be read as 2100 m3/hr @ 35 mwc.
8	Vol. V, Schedule CW-DB-M, Clause 6.8(b), Page PB-105 of 171	760 m3/hr x 38m	This shall be read as 180 m3/hr @ 38 mwc.
9	Volume II, Part B- Specific Provision, Sub-clause 1.5, Priority of Document, page 15 of 67	(j) the Corrigendum and Addendum and reply to Pre-Bid Queries issued	This item shall be placed at no. (e) position of the same clause i.e. above the “the Particular Conditions- Part A” and sl. no. thereafter will change accordingly.
10	Volume II, Section IX: Annex to the Particular Conditions- Contract Forms, Contract Agreement, Page 60 of 67	(x) the Corrigendum and Addendum and reply to Pre-Bid Queries issued	This item shall be placed at no. (iv) position of the same clause and form a part of “the addenda Nos”.
11	Vol. V, Schedule CW-DP,	Unit is mentioned as “Meter”	Unit to be corrected as “Sq.m.”

S.N.	Vol./ Section/ Page/ Clause	Reference or Original Text	Added, Modified or Clarified as
	Item No. 10.5, Page PB-64 of 171		
12	Vol. V, Schedule OM-M1, Item No. 1, Page PB- 150 of 171	In item description it is mentioned as Package-3	To be corrected as Package-2
13	Vol. V, Schedule OM-P1, Item No. 1, Page PB- 151 of 171	In item description it is mentioned as Package-3	To be corrected as Package-2
14	Vol. V, Schedule OM-MISC, Item No. 4.1, Page PB- 159 of 171	Asset updation and household survey updation in GIS for the total package area as per specification for 4 years during construction period. (ArcGIS software to be used same bought during construction period).	Asset updation and household survey updation in GIS for the total package area as per specification for 5 years during post construction O&M period. (ArcGIS or equivalent GIS software bought during construction period to be used).
15	Vol. II, Section VIII, Part A, Contract Data, Clause 8.7, Page 8 of 67	Maximum Amount of Delay Damages: “10% of value of total Section 2 in the final Contract Price”.	To be modified as: For Section 2.B) works, no O&M cost will be paid to the agency after 4.5 years, if the delay is attributed to the agency. For Section 2.C) works, 5% of the value of this section in the final Contract Price.
16	Vol. II, Section VIII, Table: Summary of Section, Page 11 of 67	2.C) O&M during Post-Construction Phase: 0.1% per day of the value of this Section 2.C) Works in the Contract Price.	To be modified as: 0.1% per day of the value of this Section 2.C) Works in the Contract Price subject to a maximum ceiling of 5%.

B. REPLY TO PRE-BID QUERIES

S.N.	VOLUME	SECTION	CLAUSE	PAGE	SUBJECT	CLARIFICATION REQUIRED	DJB'S REPLY
1.	Volume II & FIDIC	Section VIII / Part B, Specific provisions & General Conditions	14.4 & 14.9	47 of 67 & 50	Retention	<p>As per the referred clause, <i>"When the deposit of accumulated sum of Retention Money reaches more than 1% of the Accepted Contract Amount and the Contractor submits the Bank Guarantee, the Engineer may certify for the release of Retention Money against the Bank Guarantee."</i></p> <p>In order to facilitate better cash flow for the project and progress of project we request you to allow the bidders to provide upfront Bank Guarantee in lieu of cash retention. Kindly consider and confirm.</p>	As per Bid document
2.	Volume II	Table: Summary of Sections	-	11 of 67	Delay LD during O&M (Construction Phase)	Referred clause states that that delay LD shall be 0.1% per day of the value of this Section 2.C) Works (O&M) in the Contract Price, which seems to be a typographical error, since delay in O&M period is not applicable.	This will be operated as per applicability. Also refer Corrigendum, S.N. 15 & 16.
3.	Volume V	Stage Payments (Payment Milestones)	-	17 of 171	Supplying Laying Gap	<p>In the referred Payment milestone, it is mentioned as <i>"The payment on supply of finished pipes will be made for a maximum length of 10 Kms of pipes at a time. Next instalment will be released such that the maximum quantities of supplied but unlaied pipes doesn't exceed 10 Kms."</i></p> <p>We presume that this supply and unlaied pipes gap of 10 Km is applicable for each DMA wise as being followed in other tenders of Delhi Jal Board. Kindly confirm.</p>	Refer to Corrigendum at S.N. 1.
4.	Volume II	Section VIII	8.7 and Table "Summary of sections"	8-10 of 67	Milestone LD during Construction	<p>The Project which is Water management in nature necessitates detailed assessment of existing assets which warrants considerable time duration to achieve the desired objective of the project.</p> <p>Hence, we request you to consider reimbursement of intermediate milestone LD levied if the overall project is completed within the stipulated time as being followed in other tenders of Delhi Jal Board.</p>	Refer to Corrigendum at S.N. 2.

S.N.	VOLUME	SECTION	CLAUSE	PAGE	SUBJECT	CLARIFICATION REQUIRED	DJB'S REPLY
5.	V	SCHEDULE CW-HM	1.0 & 3.0	PB-131 of 171 to PB 139 of 171	Service Connection and Water meter mismatch	In the referred BoQ Item, the sum of Service Connection is 84,929 Nos. Whereas, the count of Water meter is 51,523 Nos Kindly clarify. We presume that 33406 (difference between House service connection and water meter scope is the no. of existing water meter we request you to provide details of the existing meters and also confirm if the same has been considered in O&M	Yes. As per Bid document.
6.	Volume III Part B	Section VI	2.1.3	OM – 39 of 52	Overall LD Cap during O&M post construction	We observe that there is no mention about the maximum compensation payable by contractors during O&M towards non-achievement of Key Performance Indicators. We presume that maximum compensation payable by contractors during O&M shall be limited to 10% of Accepted O&M Contract Price as being followed in other tenders of Delhi Jal Board. Kindly confirm.	It shall be as per Volume-II, Contract Data, page 8 of 68, Clause 17.6 with Corrigendum, S.N. 15&16 For modification in "Remarks" Column of the Table under clause 2.1.3, refer to Corrigendum, S.N. 3.
7.	Volume I	Section II	34.1	9 of 97	Source Exchange rate of	As per the referred clause, " <i>The source of exchange rate shall be: the Reserve Bank of India (RBI). The date for the exchange rate shall be: 28 days prior to the date of Bids submission specified in ITB 22.1</i> " 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.	As per Financial Benchmarks India Pvt. Ltd. (FBIL)
8.	Volume - II	Section VIII	4.19 c)	26 of 68	Water construction for	As per the referred clause, " <i>Wherever Delhi Jal Board water is made available to the contractor for construction and drinking purpose recovery @ 1% of the gross amount of civil & erection of E&M works done shall be made. The ferrule connection with the Employer main and the pipeline upto the site shall be</i>	As per Bid document

S.N.	VOLUME	SECTION	CLAUSE	PAGE	SUBJECT	CLARIFICATION REQUIRED	DJB'S REPLY
						<p><i>provided by the contractor at his own cost.”</i></p> <p>We request you to recover the amount as per actual volume of water consumed rather than 1% of gross amount of Civil & Erection of E&M works. Kindly consider and confirm.</p>	
9.	Volume - II	Section VIII	4.19 e)	26 of 68	Water for flushing of pipelines	<p>As per the referred clause, <i>“Water for Flushing of Pipelines: Water for maximum two flushing will be provided by the Employer, third flushing if required will be charged @ Rs. 50/KL”</i></p> <p>We presume that the third flushing will be done only if required by the Employer and at the cost of Employer. Kindly confirm.</p>	As per Bid document

S.N.	VOLUME	SECTION	CLAUSE	PAGE	SUBJECT	CLARIFICATION REQUIRED	DJB’S REPLY																		
10.	Volume III	Section VI	2.1.2	38 of 52	Payment Conditions for O&M	<div>From the referred table the payment condition for O&M is as follows:</div> <table><thead><tr><th>Category</th><th>Payment as % of O&M cost</th><th>Remarks</th></tr></thead><tbody><tr><td>Fixed Payment</td><td>60%</td><td>The deduction will be applicable for non-deployment of requisite staff as per tender document</td></tr><tr><td>Performance Based Payment</td><td>40%</td><td>as per calculation against the KPIs</td></tr></tbody></table> <div>We request you to consider the following ratio of Fixed and Variable fee as is being followed in other contracts across India:</div> <table><thead><tr><th>Category</th><th>Payment as % of O&M cost</th><th>Remarks</th></tr></thead><tbody><tr><td>Fixed Payment</td><td>75%</td><td>The deduction will be applicable for non-deployment of requisite staff as per tender document</td></tr><tr><td>Performance Based Payment</td><td>25%</td><td>as per calculation against the KPIs</td></tr></tbody></table>	Category	Payment as % of O&M cost	Remarks	Fixed Payment	60%	The deduction will be applicable for non-deployment of requisite staff as per tender document	Performance Based Payment	40%	as per calculation against the KPIs	Category	Payment as % of O&M cost	Remarks	Fixed Payment	75%	The deduction will be applicable for non-deployment of requisite staff as per tender document	Performance Based Payment	25%	as per calculation against the KPIs	As per Bid document
Category	Payment as % of O&M cost	Remarks																							
Fixed Payment	60%	The deduction will be applicable for non-deployment of requisite staff as per tender document																							
Performance Based Payment	40%	as per calculation against the KPIs																							
Category	Payment as % of O&M cost	Remarks																							
Fixed Payment	75%	The deduction will be applicable for non-deployment of requisite staff as per tender document																							
Performance Based Payment	25%	as per calculation against the KPIs																							

S.N.	VOLUME	SECTION	CLAUSE	PAGE	SUBJECT	CLARIFICATION REQUIRED				DJB’S REPLY
11.	Volume III	Section VI	2.1.3	39 & 40 of 52	Target for KPIs and Payment Breakdown	Kindly consider the following Payment Breakdown :				As per Bid document
						Sr. No	KPI	Max. Payment as % of agreed O&M Cost Max. Payment as % of agreed O&M Cost		
								As per Tender condition s	Proposed Breakdow n	
						1.	Extent of Water Loss Total Water Loss (Transmission + Distribution Loss)	15%	10%	
						2.	Continuity of Water Supply (24 Hrs)	5%	5%	
						3.	Efficiency in redressal of Customer Complaint:	5%	3%	
						4.	Quality of Water supplied	5%	3%	
						5.	Meter Reading, billing and Distribution efficiency	5%	2%	
						6.	Response Time for new Water Supply Connections	3%	1%	
						7.	Extent of Functional Water Meters	2%	1%	
							Total	40%	25%	

S.N.	VOLUME	SECTION	CLAUSE	PAGE	SUBJECT	CLARIFICATION REQUIRED	DJB’S REPLY												
12.	Volume I	Section VI	-	OM 38 of 52 to OM 52 of 52	Sub-Section 2. Key Performance Indicator For Distribution System O&M	We request you to kindly consider limiting the penalties to the proportional share of particular performance parameter in the variable fee of O&M payment. Kindly consider and confirm and issue necessary amendments for the tables.	Refer to S.N. 6. and Corrigendum												
13.	Volume III	Section VI	2.2	OM – 41 of 52	Reduction of Water Loss to Target Level and Control	<p>As per the referred clause, “<i>The main objective of the project is to bring down the water loss to the target level of 15% (transmission and distribution together) by carrying out the water system improvement as per the Contract requirement</i>”</p> <p>We would like to bring to your kind notice that it is a general industry practice to keep water loss target as to 20% (Losses in Distribution system - 15 % and Transmission system – 5%) or below. Also it requires very high end instrumentation to bring down water loss from about current scenario (approx. 40%) to 15%. Therefore, request to make water loss target as 20% or below in a stage wise manner. Please consider and confirm.</p>	As per Bid document												
14.	Volume III	Section VI	2.2	OM – 43 of 52	Total Water Loss vs. Performance Payment as % of O&M cost	<p>It is a general industry practice to levy maximum penalties equivalent to the weightage of that respective performance parameter. Therefore we propose the following performance payment for water loss parameter:</p> <table><tr><th colspan="2">As per tender conditions</th><th colspan="2">Proposed conditions</th></tr><tr><th>Water Loss Rate</th><th>Performance Payment (as % of O&M Cost of the billing cycle)</th><th>Water Loss Rate</th><th>Performance Payment (as % of O&M Cost of the billing cycle)</th></tr><tr><td>10% or less</td><td>20%</td><td>15% or less</td><td>15%</td></tr></table>	As per tender conditions		Proposed conditions		Water Loss Rate	Performance Payment (as % of O&M Cost of the billing cycle)	Water Loss Rate	Performance Payment (as % of O&M Cost of the billing cycle)	10% or less	20%	15% or less	15%	As per Bid document
As per tender conditions		Proposed conditions																	
Water Loss Rate	Performance Payment (as % of O&M Cost of the billing cycle)	Water Loss Rate	Performance Payment (as % of O&M Cost of the billing cycle)																
10% or less	20%	15% or less	15%																

S.N.	VOLUME	SECTION	CLAUSE	PAGE	SUBJECT	CLARIFICATION REQUIRED				DJB’S REPLY
						11%	19%	16%	14%	
						12%	18%	17%	13%	
						13%	17%	18%	12%	
						14%	16%	19%	11%	
						15%	15%	20%	10%	
						16%	13.5%	21%	9%	
						17%	12%	22%	8%	
						18%	10.5%	23%	7%	
						19%	9.0%	24%	6%	
						20%	7.5%	25%	5%	
						21%	6.0%	26%	4%	
						22%	4.5%	27%	3%	
						23%	3.0%	28%	2%	
						24%	1.5%	29%	1%	
						25%	0%	30% or more	0%	
						26%	-2%			
						27%	-4%			
						28%	-6%			
						29%	-8%			
						30% or more	-10%			
						Kindly consider.				
15.	Volume III	Section VI	2.3	OM – 43 of 52	Minimum pressure	As per the referred clause, “ <i>The minimum pressure in the system shall be 17m except the DMAs supplied by gravity wherein it may sometimes go to 12m.</i> ” 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 and 12 m to 7 m. Kindly consider.				As per Bid document

S.N.	VOLUME	SECTION	CLAUSE	PAGE	SUBJECT	CLARIFICATION REQUIRED	DJB’S REPLY																								
16.	Volume III	Section VI	2.5	OM – 45 of 52	Quality of Water Supplied	<p>We would like to bring to your kind notice that the scope of water treatment plant is not envisaged in this contract.</p> <p>Hence the contractor shall maintain the water quality parameter supplied at the Inlet/battery limit start of this contract (i.e Transmission mains) and the successful contractor should not be held responsible for poor treated water quality at outlet of WTP. Kindly confirm.</p>	Agreed and confirmed.																								
17.	Volume III	Section VI	2.3	OM – 44 of 52	Continuity of Water Supply (24×7)	<p>It is a general industry practice to levy maximum penalties equivalent to the weightage of that respective performance parameter. Therefore we propose the following performance payment for water loss parameter. Kindly consider.</p> <table><tr><th colspan="2">As per tender conditions</th><th colspan="2">Proposed conditions</th></tr><tr><td>Continuity of water supply performance (B)</td><td>Payment payable to the Operator (As % of total agreed O&M payment)</td><td>Continuity of water supply performance (B)</td><td>Payment payable to the Operator (As % of total agreed O&M payment)</td></tr><tr><td>100%</td><td>5%</td><td>100%</td><td>5%</td></tr><tr><td>From less than 100 to 96%</td><td>4%</td><td>From less than 100 to 96%</td><td>4%</td></tr><tr><td>From less than 96 to 92%</td><td>3%</td><td>From less than 96 to 92%</td><td>3%</td></tr><tr><td>From less than 92 to</td><td>2%</td><td>From less than 92 to</td><td>2%</td></tr></table>	As per tender conditions		Proposed conditions		Continuity of water supply performance (B)	Payment payable to the Operator (As % of total agreed O&M payment)	Continuity of water supply performance (B)	Payment payable to the Operator (As % of total agreed O&M payment)	100%	5%	100%	5%	From less than 100 to 96%	4%	From less than 100 to 96%	4%	From less than 96 to 92%	3%	From less than 96 to 92%	3%	From less than 92 to	2%	From less than 92 to	2%	As per Bid document and the clarifications given in S.N. 6.
As per tender conditions		Proposed conditions																													
Continuity of water supply performance (B)	Payment payable to the Operator (As % of total agreed O&M payment)	Continuity of water supply performance (B)	Payment payable to the Operator (As % of total agreed O&M payment)																												
100%	5%	100%	5%																												
From less than 100 to 96%	4%	From less than 100 to 96%	4%																												
From less than 96 to 92%	3%	From less than 96 to 92%	3%																												
From less than 92 to	2%	From less than 92 to	2%																												

S.N.	VOLUME	SECTION	CLAUSE	PAGE	SUBJECT	CLARIFICATION REQUIRED				DJB'S REPLY
						88%		88%		
						From less than 88 to 84%	1%	From less than 88 to 84%	1%	
						From less than 84 to 80%	Nil	From less than 84 to 80%	0.5%	
						Less than 80%, penalty will be deducted from the other due payments		Less than 80%, no payment against the parameter shall be paid to the contractor		
						From less than 80 to 76%	-1%	From less than 80 to 76%	0%	
						From less than 76 to 72%	-2%	From less than 76 to 72%	0%	
						From less than 72 to 68%	-3%	From less than 72 to 68%	0%	
						From less than 68 to 64%	-4%	From less than 68 to 64%	0%	
						Below 64%	-5%	Below 64%	0%	

S.N.	VOLUME	SECTION	CLAUSE	PAGE	SUBJECT	CLARIFICATION REQUIRED				DJB’S REPLY
18.	Volume III	Section VI	2.4	OM – 45 of 52	Efficiency redressal Customer Complaints in of	It is a general industry practice to levy maximum penalties equivalent to the weightage of that respective performance parameter. Therefore we propose the following performance payment for water loss parameter. Kindly consider.				As per Bid document and the clarifications given in S.N. 6.
						As per tender conditions		Proposed conditions		
						‘Customer Complaint Redressal Efficiency’ Performance (C)	Payment payable to the Operator (As % of total agreed O&M payment)	‘Customer Complaint Redressal Efficiency’ Performance (C)	Payment payable to the Operator (As % of total agreed O&M payment)	
						90% or above	5%	90% or above	3%	
						From Less than 90 to 87%	4%	From Less than 90 to 87%	2.5%	
						From Less than 87 to 84%	3%	From Less than 87 to 84%	2%	
						From Less than 84 to 81%	2%	From Less than 84 to 81%	1.5%	
						From Less than 81 to 78%	1%	From Less than 81 to 78%	1%	
						From Less than 78 to 75%	Nil	From Less than 78 to 75%	0.5%	

S.N.	VOLUME	SECTION	CLAUSE	PAGE	SUBJECT	CLARIFICATION REQUIRED				DJB'S REPLY
						Less than 75%, penalty will be deducted from the other due payments		Less than 75%, no payment against the parameter shall be paid to the contractor		
						From less than 75 to 72%	-1%	From less than 75 to 72%	0%	
						From less than 72 to 69%	-2%	From less than 72 to 69%	0%	
						From less than 69 to 66%	-3%	From less than 69 to 66%	0%	
						From less than 66 to 63%	-4%	From less than 66 to 63%	0%	
						Below 63%	-5%	Below 63%	0%	
19.	Volume III	Section VI	2.5	OM – 46 of 52	Quality of Water Supplied	It is a general industry practice to levy maximum penalties equivalent to the weightage of that respective performance parameter. Therefore we propose the following performance payment for water loss parameter. Kindly consider.				As per Bid document and the clarifications given in S.N. 6.
						As per tender conditions		Proposed conditions		
						'Quality of Water Supplied' Performance (D)	Payment payable to the Operator (As % of total agreed O&M payment)	'Quality of Water Supplied' Performance (D)	Payment payable to the Operator (As % of total agreed O&M payment)	
						From 100% to 99%	5%	From 100% to 99%	3%	

S.N.	VOLUME	SECTION	CLAUSE	PAGE	SUBJECT	CLARIFICATION REQUIRED				DJB'S REPLY
						From less than 99 to 98%	4%	From less than 99 to 98%	2.5%	
						From less than 98 to 97%	3%	From less than 98 to 97%	2%	
						From less than 97 to 96%	2%	From less than 97 to 96%	1.5%	
						From less than 96 to 95%	1%	From less than 96 to 95%	1%	
						From less than 95 to 94%	Nil	From less than 95 to 94%	0.5%	
						Less than 94%, penalty will be deducted from the due payments		Less than 94%, no payment against the parameter shall be paid to the contractor		
						From less than 94 to 93%	-1%	From less than 94 to 93%	0%	
						From less than 93 to 92%	-2%	From less than 93 to 92%	0%	
						From less than 92 to 91%	-3%	From less than 92 to 91%	0%	
						From less than 91 to 90%	-4%	From less than 91 to 90%	0%	
						Below 90%	-5%	Below 90%	0%	

S.N.	VOLUME	SECTION	CLAUSE	PAGE	SUBJECT	CLARIFICATION REQUIRED				DJB’S REPLY
20.	Volume III	Section VI	2.6	OM – 46 of 52	Meter Reading, Billing and distribution efficiency	It is a general industry practice to levy maximum penalties equivalent to the weightage of that respective performance parameter. Therefore we propose the following performance payment for water loss parameter. Kindly consider.				As per Bid document and the clarifications given in S.N. 6.
						As per tender conditions		Proposed conditions		
						‘Meter Reading, Billing and Distribution Efficiency’ Performance (E))	Payment payable to the Operator (As % of total agreed O&M payment)	‘Meter Reading, Billing and Distribution Efficiency’ Performance (E)	Payment payable to the Operator (As % of total agreed O&M payment)	
						100%	5%	100%	2%	
						From less than 100 - 98%	4%	From less than 100 - 98%	1.5%	
						From less than 98 to 96%	3%	From less than 98 to 96%	1%	
						From less than 96 to 94%	2%	From less than 96 to 94%	0.75%	
						From less than 94 to 92%	1%	From less than 94 to 92%	0.5%	
						From less than 92 to 90%	Nil	From less than 92 to 90%	0.25%	
						Less than 90%, penalty will be deducted from the other due payments		Less than 90%, no payment against the parameter shall be paid to the contractor		
						From less than 90 to	-1%	From less than 90 to	0%	

S.N.	VOLUME	SECTION	CLAUSE	PAGE	SUBJECT	CLARIFICATION REQUIRED				DJB’S REPLY
						88%		88%		
						From less than 88 to 86%	-2%	From less than 88 to 86%	0%	
						From less than 86 to 84%	-3%	From less than 86 to 84%	0%	
						From less than 84 to 82%	-4%	From less than 84 to 82%	0%	
						Below 82%	-5%	Below 82%	0%	
21.	Volume III	Section VI	2.7	OM – 47 of 52	Response Time for New Water Supply Connections	It is a general industry practice to levy maximum penalties equivalent to the weightage of that respective performance parameter. Therefore we propose the following performance payment for water loss parameter. Kindly consider.				As per Bid document and the clarifications given in S.N. 6.
						As per tender conditions		Proposed conditions		
						‘Response Time for New Water Supply Connections’ Performance (F)	Payment payable to the Operator (As percentage of total agreed O&M payment)	‘Response Time for New Water Supply Connections’ Performance (F)	Payment payable to the Operator (As percentage of total agreed O&M payment)	
						100%	3%	100%	1%	
						From Less than 100 to 95%	2%	From Less than 100 to 95%	0.75%	
						From Less than 95 to 90%	1%	From Less than 95 to 90%	0.5%	

S.N.	VOLUME	SECTION	CLAUSE	PAGE	SUBJECT	CLARIFICATION REQUIRED				DJB’S REPLY
						From Less than 90 to 85%	Nil	From Less than 90 to 85%	0.25%	
						Less than 85%, penalty will be deducted from the due payments		Less than 85%, no payment against the parameter shall be paid to the contractor		
						From less than 85 to 80%	-1%	From less than 85 to 80%	0%	
						From less than 80 to 75%	-2%	From less than 80 to 75%	0%	
						Below 75%	-3%	Below 75%	0%	
22.	Volume III	Section VI	2.8	OM – 48 of 52	Functioning of Water Meters	It is a general industry practice to levy maximum penalties equivalent to the weightage of that respective performance parameter. Therefore we propose the following performance payment for water loss parameter. Kindly consider.				
						As per tender conditions		Proposed conditions		
						‘Functionin g of Water Meters’ Performanc e (G)	Payment payable to the Operator (As percenta ge of total agreed O&M payment)	‘Functioni ng of Water Meters’ Performan ce (G)	Payment payable to the Operator (As percenta ge of total agreed O&M payment)	
						From 100 to 98%	2%	From 100 to 98%	1%	
						From Less than 98 to 96%	1%	From Less than 98 to 96%	0.75%	
										As per Bid document and the clarifications given in S.N. 6.

S.N.	VOLUME	SECTION	CLAUSE	PAGE	SUBJECT	CLARIFICATION REQUIRED				DJB'S REPLY
						From Less than 96 to 94%	Nil	From Less than 96 to 94%	0.5%	
						Less than 94%, penalty will be deducted from the due payments		Less than 94%, no payment against the parameter shall be paid to the contractor		
						From less than 94 to 92%	-1%	From less than 94 to 92%	0%	
						Below 92%	-2%	Below 92%	0%	
23.	Volume V	Section IV	SCHEDULE CW-P	PB 148 of 171	Provisional Sum	From the referred schedule we understand that the provisional amounts provided under Road Restoration (Transmission Main and Distribution Works) items are proportional to the quantities provided against each item. And that any variation in the quantities will be paid in accordance with the schedule. Kindly confirm.				The Provisional sum is specified for provisional quantity and amount. The execution and payment method will be in accordance with GC and PC sub clause 13.5. Also refer to the Volume V, page PB-9 of 171, Bill of Quantity A. Preamble Clause 8.
24.	General	-	-	-	Improvements Suggested in SIP	Any improvements, which are required in the existing infrastructure including replacement of the 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 there may be mutually agreed revision of the Performance Standards. Kindly confirm.				As per Bid Document.
25.	Volume V	-	-	-	Extra items payment	We understand that any item of work which is specified and required for the proper operation, maintenance and management of Works, but not included or itemized in the BOQ, shall be treated as an extra item and will be paid separately. Kindly confirm.				For Design-Build components of the BOQ (i.e. the work designed by the contractor), no extra item will be entertained, refer to clause 10, Volume V, page PB- 9 of 171, and GC sub-clause 4.1. However, for the item rate

S.N.	VOLUME	SECTION	CLAUSE	PAGE	SUBJECT	CLARIFICATION REQUIRED	DJB'S REPLY
							basis (non-design-build) component of BOQ, extra item will be considered as variation, if required. Variation shall apply as per GC Clause 13 [Variations and Adjustment].
26.	GCC FIDIC	-	13.3	42	Quantity variation	We understand that any variation in quantities during actual execution of project will be paid at the quoted BOQ rates. Kindly confirm. The tender mentions about retaining 84 Kms of pipeline. During conditional assessment if entire length is found to be replaced, we presume that same shall be proposed in SIP and such Quantity variation will be approved and paid at quoted BOQ rates. Kindly confirm.	As per Bid documents. Also refer to S. N. 25.
27.	Volume II	Section VIII	Table: Summary of Sections & 8.7	10 of 68 & 8 of 68	Delay Damages	We request you to consider Zero point Zero One (0.05) % per day of the Contract Price of each Section as Delay damages for the Works subject to maximum of 5% of Contract Price. Kindly consider and confirm.	As per Bid document but refer to Corrigendum S.N. 15 and 16.
28.	Volume III	Section VI	1.4.(2)	OM - 6 of 52	Modality of O&M Contract and Payment	As per the referred clause, <i>"The payment shall be made on billing cycle basis (normally bimonthly) so as to assess the KPIs and corresponding payment amounts."</i> We understand that contractor can raise O&M invoice twice a month. Kindly confirm.	As per Bid document
29.	General	-	-	-	Existing infrastructure	We request you to kindly clarify whether bidder has to integrate the existing infrastructure with the newly installed pipeline for maintaining the water loss rate. In such event of prevailing conditions of existing infrastructure, it will be difficult for the bidder to achieve the performance targets during O&M. Hence we request you to pay bidders at actuals for repairing/ replacing / rehabilitating the existing works in order to ensure performance parameters. Please confirm. Also we would like to bring to your kind notice, it will difficult to maintain the water loss at 15% by	As per Bid document

S.N.	VOLUME	SECTION	CLAUSE	PAGE	SUBJECT	CLARIFICATION REQUIRED	DJB'S REPLY
						integrating with existing works. Hence kindly allow bidders to reduce the water loss rate gradually from the initial water loss envisaged or phase-wise to target water loss rate.	
30.	Volume V	Section IV	B. Work Items	PB 16 of 171	Stage Payments (Payment Milestones)	From the referred tables, we understand that all the remaining balance items shall be paid against the Quoted rates progressively in RA bills. Kindly confirm.	As per Bid Documents
31.	Volume III	Section IV	2.3.1.5	A-9 of 80	Condition Assessment of Pipe Network	<p>As per the referred clause, “<i>Condition assessment of existing pipelines: Condition assessment of the existing pipelines that are to be retained as it is (not to be replaced) on the matters of pipe material, diameter and internal encrustation (on sample basis) status which are to be required for confirmatory hydraulic modelling and pipe replacements.</i>”</p> <p>We request you to provide Methodology (i.e. No. of Samples, Type of tests to be carried out etc.,) for conducting Condition Assessment of existing Transmission and Distribution pipe lines and diameter wise details of retained pipes. Please consider and provide the same.</p> <p>Also, there is no BOQ item for payment against Conditional Assessment, we request you to include the item in BOQ and issue necessary amendments.</p>	As per Bid document
32.	Volume III	Section IV	2.3.1.6	A-9 of 80	Condition Assessment of UGRs and BPSs	<p>As per the referred clause, “<i>Conditions assessment of the existing UGRs and BPSs proposed for Rehabilitation in view of design and construction methodologies to be prepared for the rehabilitation works.</i>”</p> <p>We request you to provide Methodology (i.e. No. of Samples, Type of tests to be carried out etc.,) for conducting Condition Assessment of existing UGRs and BPSs. Please consider and provide the same.</p> <p>Also, there is no BOQ item for payment against Conditional Assessment, we request you to include the item in BOQ and issue necessary amendments.</p>	As per Bid document
33.	General	-	-	-	Permissions & licenses	Since the project is complex in nature as it involves numerous inter department permissions (NH, Railway, forest, DDA etc), it will be helpful & speed up the	The Employer will assist the Contractor for getting the permissions & license from the

S.N.	VOLUME	SECTION	CLAUSE	PAGE	SUBJECT	CLARIFICATION REQUIRED	DJB'S REPLY
						progress if the permission are in scope of employer as it is being followed PAN India. In this context we request that 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 defence, forest department, etc., and encumbrances free, including payment of necessary charges, depository fees to all the authorities and the contractor shall liase with department in this process. Kindly confirm.	concerned agencies.
34.	General	-	-	-	Right of Way	We understand that necessary width of right of way required for laying pipeline shall be provided to us free of cost and free from all encumbrances, clearances from all authorities including Forest department, Railways, NH etc. and including crop compensation to private land owners. Please confirm if our understanding is correct.	As per Bid document.
35.	General	-	-	-	Removal & Shifting of existing Utilities	We understand that during execution of work, cost involved in removal & shifting of utilities beneath the earth shall be the responsibility of contractor and the same shall be reimbursed at actuals by the department. Kindly confirm.	During execution of works, if some utilities/services are to be shifted, the Employer will assist the bidder in getting these services/utilities shifted. If some charges have to be paid for this, the bidder will pay to the concerned agencies and the same will be reimbursed to the bidder under Provisional Sum (Volume V, P-148, Item 2).
36.	General	-	-	-	Damages during Utility Shifting	Since the project is located in core urban area, 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.	The contractor shall rectify at his own cost. No extra payment shall be made by the Employer on this account.

S.N.	VOLUME	SECTION	CLAUSE	PAGE	SUBJECT	CLARIFICATION REQUIRED	DJB'S REPLY
37.	General	-	-	-	Electricity charges & Water	We understand that the charges for electricity and water shall be borne by the Employer during commissioning and trial run. Please consider and confirm.	As per bid documents.
38.	Volume I	Section III	Note to Bidders – (iv)	19 of 97	Evaluation and Qualification Criteria	As per referred point, “For contracts under which the Bidder participated as a JV member or subcontractor shall be considered to meet this requirement. The proposed Specialist Subcontractor’s experience in similar capacity elsewhere will be considered.” Kindly clarify whether experience of the member in a Joint Venture project shall be considered only to the proportions of his share in that particular project.	Refer to Corrigendum, S.N. 4.
39.	Volume I	Technical Proposal	2.2.3	21 of 97	Key Personnel	We understand that, O & M manager should have 15 years of experience in 24*7 project. We would like to bring to your kind notice that the introduction of the concept of 24*7 water supply in India was started few years ago and there are not many who has got such wide experience. Hence, We request you to consider 5 Years’ experience in 24*7 Contracts.	As per Bid document
40.	Volume III	Section VI	2.13	50 of 52	Power Guarantee	Kindly clarify the demand to be considered for power guarantee. This will bring uniformity amongst bidders while providing the power guarantee	As per Bid document
41.	Volume III	Section VI	1.3.2(i) & (ii)	8 of 90	Proposed makes	As per clause 1.3.2(i), the contractor has to propose materials and products and their makes prior to execution, whereas clause 1.3.2(ii) states that contractor shall offer propose makes during bidding stage. Kindly delete clause 1.3.2(ii).	The materials and products and their Makes shall be proposed by the Contractor prior to the execution of work. Also Refer to Corrigendum, S.N. 5.
42.	Volume III	General requirement	5.2.4	44 of 90	Disposal of debris/excess earth	Please provide the location & distance for disposal of earth & debris.	The disposal site will be identified jointly by bidder and DJB. The disposal of sludge, demolished materials and surplus excavated earth up to 5 km distance should be included in the bidder’s offer

S.N.	VOLUME	SECTION	CLAUSE	PAGE	SUBJECT	CLARIFICATION REQUIRED	DJB'S REPLY
							(quoted price) as per Bid document. In case, the dumping ground is not available within 5 km distance, extra payment shall be made to the contractor.
43.	Volume – II Part B	Specific Provisions - Capital Works	4.1.g	20 of 67	Capital Replacement	We request you to elaborate on required Capital replacements during O&M Period.	As per Bid document
44.	Volume – II Part B	Specific Provisions - Capital Works	4.18(ii)	23 of 67	Residual disposal	We request you to provide the details of the Residual disposal sites identified for this project including the average lead from the project site.	Refer to S.N. 42.
45.	Volume – II Part B	Specific Provisions - Capital Works	4.27	30 of 67	Administrative Offices	We request you to provide the details of administrative offices to be handed Over to the Contractor over and above the works requirements.	As per Bid document
46.	Volume – II Part B	Specific Provisions - Capital Works	8.13	36 of 67	Delays during O&M	Kindly clarify on how the contractor will be compensated if there are any delays or interruptions during O&M for which the Employer or employer representative are responsible.	As per Bid Documents
47.	Volume – III	Section VI	4.3.10. B.i	A-34 of 80	Cost Replacement of Meters	We presume that the replacement of the meters which are meeting Total Volume passed or Service area shall be paid as per mutually agreed rates. Kindly confirm.	As per Bid Documents
48.	Volume – III	Section VI	4.5	A-40 of 80	Leak detection Equipment	We request you to include the provision for procurement of minimum nos. of leak detection equipment's for carryout the regular leak detection activities.	As per Bid document.
49.	Volume – III	Section VI	4.12	A-42 of 80	Unauthorized connections	We request you to reduce the time line to decide the case within 2 weeks of the receipt of such request.	As per Bid document
50.	Volume – III	Section VI	4.13	A-43 of 80	Training to DJB	We request you to include the cost of training of DJB staff in BoQ.	As per Bid document. Refer to Schedule CW-G in Volume V also.

S.N.	VOLUME	SECTION	CLAUSE	PAGE	SUBJECT	CLARIFICATION REQUIRED	DJB'S REPLY
51.	Volume – III	Section VI	5.2.1 A	A-46 of 80	NDT test	We request you to include the Cost of structural Testing proposed for all UGRs and BPs under this project in BoQ.	As per Bid document. Refer Schedule CW-DB-C. The BOQ includes Study/investigation, Design, Construction and/or Rehabilitation, including Testing and Commissioning of UGRs & BPSs.
52.	Volume – III	Section VI	1.3.1.i	B-8 of 90	End user Certificates	We presume that it is not to mandate submission of end user certificate during bid submission as we feel this requirement can be validated during the implementation period. Kindly consider and confirm.	Yes, Confirmed.
53.	Volume – III	Section VI	1.3.3	B-9 of 90	Additional Guarantees	We request you to electorate on the details of the equipment's and number of years of Guarantees expected from the contractor.	As per Bid document
54.	Volume – III	Section VI	11.4.3	B-77 of 90	Permission from ASI	As per ASI a minimum of 300 m offset is required from the monument for laying Pipe lines. However as the Table 11-5, all 12 Nos. Monuments are not fulfilling the requirement. So, permission from ASI is required. We request the present status of the approval from ASI.	As per Bid document
55.	Volume – III	Section VI	1.4	OM-7 of 52	Billing frequency	We request you to consider the Billing frequency for O&M During Post-Construction Phase as Monthly instead Bi-Monthly as proposed. Please confirm.	As per Bid document
56.	Volume – III	Section VI	1.6.7	OM-11 of 52	Meter Test Bench	We request you to provide a provision for procurement meter test Bench for Calibration of Domestic Water meters in BoQ. Please consider and confirm the same.	Necessary meter test bench shall be arranged by the bidder at its own cost.
57.	Volume – III	Section VI	1.7.7	OM-14 of 52	Online Chlorinators	Since the distance between WTP, BPS and Distribution networks and maintaining a residual chlorine at designated locations may be little difficult. Hence, we request you to make a provision of on-line electro chlorinator to boost residual chorines in distribution if required. Kindly consider and confirm.	Online chlorinators are not felt necessary as the residual chlorine at the outlet of WTP would be 1.5 ppm. However, if bidder feels necessary, it may provide at no extra cost.

S.N.	VOLUME	SECTION	CLAUSE	PAGE	SUBJECT	CLARIFICATION REQUIRED	DJB'S REPLY
58.	Volume – III	Section VI	2.3	OM-43 of 52	Complying criteria for Continuity of supply	We request you to consider the DMA Complying criteria for continuity of supply as $100x\alpha/24 \geq 80$ i.e. 80% or more of the time the pressure in the critical point of the DMA is equal to or more than required pressure. Kindly consider and confirm.	As per Bid document
59.	Volume – III	Section VI	2.10	OM-48 of 52	Incentives	We presume that, the Incentive for finding Illegal connections is applicable for construction and post construction period. Please confirm.	Yes, agreed. The payment shall only be made after regularization of said illegal connection.
60.	General	-	-	-	-	We request you to elaborate payment mechanism for O&M charges for sectional Taking Over conditions during construction Period.	As per Bid document
61.	Vol III	Section VI C1. Civil works Sub-section 4	4.3.3	35 of 161	Concrete Mixes	As the scope of project is being spread over a vast area, we presume that the bidder is allowed to avail concrete mixes from the nearest batching plant and shall use concrete mixer / self-loading mobile concrete mixer for mixing of concrete at site, which complies with the required IS standards. Kindly confirm.	As per Bid document
62.	Vol III	Section VI C1. Civil works Sub-section 4	4.4.2	38 of 161	Sand	Since the project consists of voluminous concrete works and the availability of river sand is increasing 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.	As per Bid document
63.	Vol III	Section VI C1. Civil works Sub-section 4	10.1.2.8	145 of 161	Expansion joint	In the referred clause, it is mentioned that, “ <i>Expansion joints of suitable gap at suitable intervals not more than 30m shall be provided in walls, floors and roof slabs of water retaining structures</i> ”. We request you to consider suitable interval for expansion joint as per IS 456 instead of 30m. Kindly consider and confirm.	As per Bid document
64.	Vol III	Section VI C1. Civil works	10.1.3.6	149 of 161	Flotation	In the referred clause, it is mentioned that “ <i>The water level shall be considered at the ground level for design of structures irrespective of the ground water level</i> ”	As per Bid document

S.N.	VOLUME	SECTION	CLAUSE	PAGE	SUBJECT	CLARIFICATION REQUIRED	DJB'S REPLY
		Sub-section 4				<i>given in the geotechnical report</i> ". We request you to allow the bidder to consider ground water table as per geotechnical investigation report for design of structures. Kindly confirm.	
65.	Vol III	Section VI C1. Civil works Sub-section 4	10.1.3.9	149 of 161	Seismic zone	In the referred clause, it is mentioned that all Structures shall be design considering Zone-V as per Bureau of Indian Standards (IS 1893, Part 1:2002). Whereas as per IS 1893:2002 Delhi comes under seismic zone-IV. Please clarify on the seismic zone to be considered for the design.	As per Bid document
66.	Vol III	Section VI C1. Civil works Sub-section 4	10.1.6 f	151 of 161	Clear cover	In the referred clause, it is mentioned that " <i>All structural members shall be provided with clear cover of 50mm</i> ". Whereas IS 456:2000 states different sizes of clear cover. Hence, we request you to consider clear cover as per IS 456:2000 for economical design of structures.	As per Bid document
67.	Vol III	Section VI C1. Civil works Sub-section 4	10.1.6	151 of 161	Design	From the referred clause, we understand that the provided minimum thickness for different reinforced concrete members are indicative only and the bidder can furnish his own design (thickness) for economical design of structures. Please Confirm.	As per Bid document
68.	Vol III	Section VI C1. Civil works Sub-section 4	10.1.6	151 of 161	Minimum thickness	In the referred clause states that "Minimum thickness of wall and base slab as 250mm". We request you to allow the bidder to consider minimum thickness as per design requirement. Kindly confirm.	As per Bid document
69.	Vol III	Section VI C1. Civil works Sub-section 4	10.1.12	156 of 161	Storm water drain	In the referred clause states that " <i>Drains adjacent to roads shall be in RCC. Minimum Thickness of wall shall be 150 mm and slab thickness shall be 200 mm. Minimum size of drain shall be 300mmx300mm</i> ". We request you to allow the bidder to construct storm water drain with brick masonry. Kindly confirm	As per Bid document

S.N.	VOLUME	SECTION	CLAUSE	PAGE	SUBJECT	CLARIFICATION REQUIRED	DJB'S REPLY
70.	Vol III	Part A B. General requiremen ts	11.4.1.5	G – 74 of 90	Waste Disposal	We presume that land required for Disposal of construction waste shall be provided by the Client. Kindly provide.	Refer to S.N. 42.
71.	Vol III	Part A B. General requiremen ts	11.4.1.5	G – 74 of 90	Waste Disposal	We request you to kindly provide the lead distance need to be consider by the bidder for the disposal of unutilized or unused wastes generated during construction period. Kindly provide.	Refer to S.N. 42.
72.	Vol V	Volume 5 Price Schedule Transmissi on Mains & Distributio n Main - Civil Works	--	--	Pipeline works	We presume that civil quantities given in BOQ (Transmission Main & Distribution Main) for pipeline works shall be inclusive of quantities for anchor / thrust block, valve chambers, crossing of river / drainage / canals / culverts / bridges including pipe supporting pillars along the transmission pipelines. Kindly confirm.	Yes, Confirmed.
73.	Vol V	Volume 5 Price Schedule	S. No. 10.2	63 of 171	Good earth	From the referred BOQ item, we understand that the selected excavated earth can be used for barricading work (Distribution pipeline) at site. Please confirm if our understanding is correct.	As per Bid document
74.	Vol V	Volume 5 Price Schedule	S. No. 10.4 & 10.6	37 & 65 of 171	CC Paver block supply	From the referred BOQ item, we understand that old CC paver blocks shall be supplied by the department at free of cost to the contractor's worksite/store. Please confirm if our understanding is correct.	As per Bid document. The old CC paver block extracted from work under item no. 10.3 & 10.5 should be re-used for work under item no. 10.4 & 10.6 respectively.
75.	Vol III	Scope of works & Price Schedule	3.1.1 & S. No. 13.7	20 of 80 & 47 of 171	Trenchless road crossing & HDD works	As per the scope of the project, total length of trenchless road crossing for transmission main is 329m diameter ranging from 1000 & 1400mm. Whereas, in price schedule trenchless road crossing (i.e., installation of steel product pipe by HDD method) has been mentioned as 209m diameter ranging from 1300 up to 1700mm. Both the clauses are contradictory; we presume that	Quantity given in BOQ to be considered.

S.N.	VOLUME	SECTION	CLAUSE	PAGE	SUBJECT	CLARIFICATION REQUIRED	DJB'S REPLY
						diameter specified in the BOQ is final.	
76.	Vol III	Scope of works & Price Schedule	3.1.5 & S. No. 13.3 & 13.4	22 of 80 & 78 of 171	Trenchless road crossing	As per the scope of the project, total length of trenchless road crossing for transmission main is 323m diameter ranging from 250 to 900mm. Whereas, in price schedule trenchless road crossing (i.e., installation of product pipe by pipe jacking & HDD method) has been mentioned as 318m diameter ranging from 280 up to 900mm. Both the clauses are contradictory; we presume that diameter specified in the BOQ is final.	Quantity given in BOQ to be considered.
77.	Vol III	Scope of works	3.1.5	22 of 80	Pipeline works	We presume that civil quantities given in BOQ (Distribution Pipeline) for pipeline works shall be inclusive of special crossings within distribution networks. Kindly confirm.	As per Bid Document
78.	Vol V	Volume 5 Price Schedule UGR and BPS	S.No 1.5 to 1.8	PB-83 of 171	Rehabilitation of Existing UGRs	The referred BOQ item states that rehabilitation of existing UGRs is in contractor's scope. We request you to kindly provide the detail drawings and detailed scope of works with tentative quantities for the same. Kindly provide.	As per Bid Document
79.	Vol V	Volume 5 Price Schedule UGR and BPS	S.No 2.3 to 2.7	PB-84 of 171	Rehabilitation of Existing PH	The referred BOQ item states that rehabilitation of existing PH is in contractor's scope. We request you to kindly provide the detail drawings and detailed scope of works with tentative quantities for the same. Kindly provide.	As per Bid Document
80.	Vol V	Volume 5 Price Schedule House Service Connection	S.No 2.1 to 2.4	PB-138 to 139 of 171	House Service Connection	We understand that civil works related to house service connections (i.e Excavation, Bituminous road & CC road cutting, Backfilling) will be paid through specific BOQ items provided in price schedule from s.no 2.1 to 2.4 under Schedule CW-HM, House connection and metering works. Kindly confirm.	Excavation, bituminous road and CC road cutting, back filling are part of this item.

S.N.	VOLUME	SECTION	CLAUSE	PAGE	SUBJECT	CLARIFICATION REQUIRED	DJB'S REPLY
81.	Vol III	Volume 3 Section VI Scope of works	4.4.1	37 of 80	House Service Connection	In the referred clause, it's mentioned that " <i>The meter should preferably be installed within 1 m from the public-private boundary</i> ". We understand that 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.	The bidder should endeavor to work with minimum damages. However, any damages occurred in the premises of the consumer shall be the responsibility of the bidder to restore the same to its original condition without any extra cost.
82.	Vol III	Volume 3 Section VI Scope of works	4.4.1	37 of 80	House Service Connection	In the referred clause, its mentioned that " <i>In case of highly congested areas like Anand Parbat, Zakhira, Thansingh etc. enough space may not be available....., water meters may be installed on side walls of the building</i> ". We understand that damages caused during execution of house service connection on side walls of the building inside the premises of property and boundary wall etc. shall be paid at actuals. Kindly confirm.	Same as S.N. 81
83.	General	--	--	--	HSC Road Restoration	We understand that both Bituminous and CC road restoration (damages caused during execution) of house service connection shall be paid at actuals through Provisional sum (Road Restoration-Distribution Works) since there is no specific provision (Road Restoration-HSC) available in BOQ. Kindly confirm.	Refer reply at S.N. 80.
84.	Vol III	Volume 3 Section VI Scope of works	4.4.1	37 of 80	House Service Connection	In the referred clause, we understand that, in case of highly congested areas like walled city, water meters may be installed on side walls of the building. Please clarify the further course of action in the event of consumer or group of consumers refuses to provide access for house service connections, which can lead to non-attainment of contractual milestone for no fault of contractor.	It should be resolved jointly by the Bidder and Employer.

S.N.	VOLUME	SECTION	CLAUSE	PAGE	SUBJECT	CLARIFICATION REQUIRED	DJB'S REPLY
85.	Vol III	Volume 3 Section VI Scope of works	4.3.10	33 of 80	Replacement of existing pipes	From the referred clause, we understand that all asbestos cement pipes, PVC pipes and most of the aged CI pipes in the distribution network will be replaced by internally lined DI pipes and the provision for the removal of same not available in the price schedule. Kindly consider and confirm.	As per Bid document Generally old existing pipes need not be taken out. However, in case some pipes of MS, DI and CI have to be taken out, a decision shall be made by the Engineer. In such case, the contractor shall take out and dispose the pipe at his cost and the cost at the rate of scrap value will be recovered from the payment of the Contractor. The scrap value of MS, DI and CI Pipes, fittings and specials shall be Rs. 16/kg. The scrap value of old serviceable bricks and stone soling shall be Rs. 1300 per 1000 bricks and Rs. 500 per cum respectively. The scrap value is the net rate of recovery/deduction to be made from the contractor's bill after considering the cost of removal and transportation of the existing pipes to be incurred by the contractor.
86.	Vol V	Price Schedule House Service Connection	S.No 1.1	PB-131 to 134 of 171	Depositing Dismantled HSC Materials	From the referred BOQ item, we understand that all the dismantled material of house service connection shall be deposited to the store of department is in contractor's scope. We request you to kindly provide the lead distance/location need to be consider for depositing dismantled materials. Kindly clarify.	The department stores are situated within the project area. Alternatively, the same may be issued to the Bidder at the scrap rate given in S.N. 85

S.N.	VOLUME	SECTION	CLAUSE	PAGE	SUBJECT	CLARIFICATION REQUIRED	DJB'S REPLY
87.	General	--	--	--	Geotechnical investigation report	Kindly provide the geotechnical investigation report at the proposed UGR and Pump House locations if the same is available with DJB.	Available data and information are included in the Bid document.
88.	Vol V	Price Schedule	S.No 3 & 4	PB-148 & 149 of 171	Road cutting & restoration	From the referred BOQ items, We understand that payment against "Dismantling of Concrete and Bituminous pavement "shall be paid as per the BOQ items and restoration of the same shall be paid against the relevant BOQ items/Provisional sum (Schedule CW – P)". And also there is no provision for dismantling of CC payment under distribution pipeline civil works. Kindly confirm.	As per Bid document
89.	Vol V	Volume 5 Price Schedule Provisional sum	4.5	PB-148 of 171	CC Road Restoration	From the referred BOQ items, it is mentioned that " <i>Restoration charges for cement concrete road above 12.5cm thick</i> ". We request you to kindly provide maximum thickness and grade of concrete need to be consider by the bidder. And also we observed that the provision for the same not available for the transmission main pipeline and if encountered during execution of the project the same shall be paid at actuals. Kindly clarify and confirm.	Such information is not available and mayn't be necessary for the bidder for bidding purpose as the same falls under provisional sum schedule.
90.	Vol V	Volume 5 Price Schedule Provisional sum	3.1 to 3.3 & 4.1 to 4.4	PB-148 & 149 of 171	Bituminous road Restoration	From the referred BOQ items, we understand that restoration of bituminous road is in contractors' scope. We request you to kindly provide specification and thickness of each layer need to be consider by the bidder. Kindly clarify and confirm.	This is a provisional sum item. Refer to S.N. 23 for more clarity.
91.	Vol III	Vol III, Part A, Subsection 1.	1.4.2	A-6 of 80	Population	In the referred clause population details for 2011 & 2021 has been given. We understand that 2021 to be considered as base year. Kindly confirm. Also we request you to kindly provide us with Intermediate design year & ultimate design year and their corresponding populations.	Population data of year 2011 and 2021 are given as a part of introduction and information. However, Pipelines and UGR/pump capacities are to be designed for the water demand of year 2051.

S.N.	VOLUME	SECTION	CLAUSE	PAGE	SUBJECT	CLARIFICATION REQUIRED	DJB'S REPLY
92.	Vol III	Section VI Work Requirements, Scope of Work	-	-	Drawings	Kindly provide the bidders with 1. Coordinates of UGR and Pump Houses 2. GA Drawings of UGR and Pump Houses 3. Drawings of UGR Command wise Distribution network 4. GA of House Service Connection and Bulk Consumer connection.	As per Bid document
93.	Vol III	Vol III, Part A, Subsection 1	3.2	A-24 of 80	Quantities of Pipeline and Valve works to be carried out for distribution system	In the referred clause it is mentioned that <i>"since the existing pipe network details at most of the areas have uncertainties as per the available as-built details, the given quantities in the BOQs could vary significantly during the execution."</i> We presume that any variation in pipe quantities during execution shall be payable at actuals. Kindly confirm.	Yes, Confirmed.
94.	Vol III	Vol III, Part A, Subsection 1	3.1.8	A - 24 of 80	Maintenance of Public Stand Post	From the referred Clause, we understand that supply and installation Public Stand Posts and Community Taps is not in our scope of work and only maintenance of the same is in our scope. Kindly confirm our understanding.	As per Bid document
95.	Vol V	Vol 5	Schedule CW-TM 12.11		DI Specials	Specials are categorized as "above 600" and "below 600". Since the rates vary based on diameter. Kindly provide Diameter wise split up for DI Specials.	As per Bid document
96.	Vol III	Vol III, Part A, Subsection 7	2	A-57 of 80 to A-71 of 80	Pump Duty Parameters	Kindly provide us with hours of operation for all pumping machinery. Moreover, Duty parameters of Pumps do not correspond to the demand of its command area. Kindly confirm demand and pump discharge calculations.	As per Bid document
97.	Vol V	Vol 5	Schedule CW-DB-M		Pump House Fittings	DI Fittings are mentioned in the referred section. Kindly allow the bidders to consider MS fittings for ease of installation due to good weldability.	As per Bid document
98.	Vol III	Vol 3	-	-	Additional Design Requirements	We request you to provide the bidders with the following data to proceed with design of distribution system. - DMA wise and Zone wise Demand and Population abstract for Ultimate and Intermediate years - Hydraulic Zones and DMA boundaries	As per Bid Document

S.N.	VOLUME	SECTION	CLAUSE	PAGE	SUBJECT	CLARIFICATION REQUIRED	DJB'S REPLY
						<ul style="list-style-type: none"> - Existing Pipeline alignment with details such as C-Value, Age, Diameter, Material (in UTM Coordinates) - City Development Plan (CDP) for the design year (in .shp format) - Occupancy factor considered for different Non-residential pockets. - Hour wise demand factor and demand consumption pattern to be considered (Based on studies conducted on Demand Consumption pattern, if any.). 	
99.	Vol V	Vol 5 and Drawings	-	-	Pump configuration and arrangement	<p>In the following pump houses, number of delivery headers indicated in drawing do not match with the number of pump types given in Price Bid. Kindly confirm.</p> <ul style="list-style-type: none"> - Shastri Nagar - Zakhira - Shadipur - Jantapark - New Rajendra Nagar - Naraina 	Both pump types and nos. of delivery headers are matching in Vol.-V Price bid and Vol.-IV Drawings.
100.	Vol V	Vol 5	Schedule CW-DB-M Clause 3.2& Clause 3.8	PB – 94 of 171 to PB -96 of 171	Pump Configuration	2 W + 2 S Pumps are mentioned in Than Singh BPS. However only 3 valves are provided in each of suction and delivery sides. Moreover, drawings indicate three pumps (2W + 1S). Kindly confirm the actual configuration of Pumps.	Due to space constraint at the pump house three pumps shall be installed and one pump shall be kept as spare in store.
101.	Vol V	Vol 5 BOQ Schedule 1	1.4	PB - 138 of 171	Brass stop cock & Full way stop valve	As per the referred item, brass stop cock & full way stop valve is mentioned in the BOQ. However we understand it is either Brass stop cock or Full way stop valve, Kindly clarify.	No, upto 25mm dia is Brass stop cock and from 40mm to 65mm, it is full way valve.
102.	Vol V	Vol 5 BOQ Schedule 1	13.2, 13.7,34,35, 1.2, etc	-	Dismantling Joints	As per the referred clause, the Dismantling joints for Pipeline valves has not been specified in the BOQ. We request you to kindly include the same in the BoQ and issue necessary amendments.	Dismantling joints are taken under item of DI fittings in the BOQ.
103.	Vol V	Vol 5 BOQ	1.1, 1.2,	PB-131 of 171	House service connection	As per the referred item, the requirement of Ferrule/Hex nipple is not specified. As every house service	As per bid documents

S.N.	VOLUME	SECTION	CLAUSE	PAGE	SUBJECT	CLARIFICATION REQUIRED	DJB'S REPLY
		Schedule 1		& 134 of 171		connection will require either brass ferrule or Hex nipple to control the flow in house service connection. Kindly confirm the requirement.	
104.	Vol III	Section VI BOQ schedule 1	9.16 1.1, 1.2	C- 129 of 161	House service connections	As per the referred indicative drawing of house service connection in the specified page no. a requirement of brass ball valve ahead of water meter is mentioned. However in the BOQ of house service connections it doesn't specify the requirement of Brass Ball valve. Kindly clarify	Refer Volume V, Item No.1.4.1 page-138
105.	Vol III	Vol 3 Section VI	2.3.10.2	M - 17 of 50	Efficiency of pump	AS per referred clause minimum pump efficiency is specified as 84%. However there are certain pumps in zakhira BPS of 100 m3/hr of 53 m head and shadipur BPS of 150 m3/hr with 27 m head where the specified pump efficiency cannot be met as the discharge is very low to achieve the required pump efficiency. Hence we request the bidders to offer the best suitable appropriate efficiency according to the discharge and head available.	As per Bid document. However in such cases the best possible efficiency available among all the approved manufacturer shall be considered.
106.	Vol III	Vol 3 Section VI	9.2.4.4	C- 83 of 161	Pipe ends of MS pipe	As per the referred clause, the MS pipe ends are specified as sleeve joints. However we request you also consider the MS pipe with beveled ends as the process of welding beveled ends would be faster and speeden up the process.	As per Bid document.
107.	Vol V	Vol 5 BOQ schedule	12.20	PB - 76 of 171	Providing and laying CI special	As per the referred clause, CI standard specials are mentioned. We presume we can utilize DI specials instead of CI specials as DI is much more superior to CI.	As per Bid document.
108.	Vol III	Vol 3 Section VI	2.3.10.2	M - 17 of 50	Speed of pump	For small discharge pumps, it is not practically possible to achieve optimum efficiency with 1500 RPM speed. Hence it is advised to go for 2900 RPM wherever optimum efficiency is not being achieved by smaller capacity pump.	It shall be decided during detailed engineering considering provisions of the contract.
109.	Vol III	Section VI	9.2	C - 80 of 161	MS pipe & MS special	As per the referred clause, Site fabrication of MS pipe is not specified, however in BOQ as per specified clause, fabrication of MS pipe has been mentioned. Kindly confirm if the MS pipe can be site fabricated.	As per Bid document.
110.	Vol III	Vol 3 Section VI	5.2.3	46 of 80	Shadipur UGR Rock Garden UGR	As per the referred clause, "New pumping station with a sump shall be constructed as per design requirement". Kindly clarify where the proposed BPS will be	As per Bid document. Both the UGRs are in the same premises.

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						constructed (Shadipur or Rock Garden).	
111.	Vol III	Vol-III SUB-SECTION 6 Scope of Electrical Works	6.5 Details of Work	A - 51 of 80	Electrical Scope of Work at Pumping Stations (Proposed / Rehabilitations)	<p>As per the referred clause “The DJB will provide 11 KV, 50 Hz, 3 phase electrical power up to electrical meter within the premises through two incomers through two different sources...”</p> <p>From the above Clause & Price Schedule - SCHEDULE CW-DB-E, We understood that Bidders Electrical Scope of works starts from receiving 2 Nos of 11kV, 3Ph, 3Wire, 50 Hz Power supply from M/s NDPL/BSES up to 11kV HT Switchgear/ 11kV Compact Substation inside the UGR Cum PH Premises and further distribution up to tail end. Kindly confirm.</p>	Power supply by NDPL/ BSES will be provided upto metering unit. Bidder's scope will start from metering unit.
112.	Vol III	Vol-III SUB-SECTION 6 Scope of Electrical Works	6.5.1 Shastri Nagar Pumping Station	A - 51 of 80	SLD	<p>As per the referred clause “Refer SLD: P-225-224-E-SLD-SHN-001”</p> <p>However, SLD is not found in the NIT. Kindly furnish the SLD / Electrical Scheme drawing for better understanding the battery limit & scope of work.</p>	Please refer tender document Vol.-IV
113.	Vol V	Vol-V Section IV	Design-Build: UGR and BPS- Electrical Works	PB - 113 of 171	Requirement of NPSBD (Bus duct)	<p>As per the referred BOQ SI No. 2.7 – “Cabling System: XLPE HT and LT power cables, control cables, NPSBD, telephone cables, etc. – 1 LS has been specified.</p> <p>However, with respect to Transformer rating NPSBD is not required for the smaller rating. NPSBD shall be applicable for Transformers rated 1000kVA and above as per IS - 10028-2 clause 7.8.1.1. Kindly Amend the BOQ Accordingly.</p>	For Transformer rating up to 1000 KVA, Cable shall be used and for Transformer rating above 1000 KVA, Bus Duct shall be used.
114.	Vol III	Vol-III Section VI	7.4.19 Power Factor	E -44 of 79	No load Compensation	As per the referred clause “Static capacitors for No - Load losses shall be installed.” However static capacitor is not found in the BOQ given in NIT.	As per design requirement, Static capacitor shall be provided and it will be part of

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			Correction -B			Kindly confirm whether to consider separate Static capacitor or same to be included in the APFC. In case of the requirement of separate static capacitor amend the BOQ accordingly.	Main LT Panel.
115.	Vol V	Vol-V	SCHEDULE OM-PG	165/171	power guarantee	In the referred schedule, As the bidder has to provide power guarantee for 5 years O&M period, kindly provide the year wise actual demand (MLD) from 6th year to 10th year for each pumping stations to enable the bidders to arrive at actual power consumption during O&M period. Kindly clarify.	As per bid documents
116.	Vol-V	Section IV	Design-Build: All SCADA & Instrumentation Works C. At 46 DMAs with 47 Inlets	127/172	Power supply availability at DMA	Kindly clarify and confirm the power supply availability at DMA inlet/ lowest pressure points (230 V AC/ 415 V AC).	Supply voltage will be used as provided by the Service provider i.e. BSES/NDPL.
117.	Vol-V & Vol-III	Section IV & Section VI	Design-Build: All SCADA & Instrumentation Works 3. Instrumentation System for 8 UGRs and 7 BPSs & SUB-SECTION 8. SCOPE	128/172 & 81/687	Requirement of Electromagnetic flowmeter	As per the referred clause in Vol-V, 21 nos. of Electromagnetic flowmeter are considered at UGR and BPS locations. Whereas, as per the referred clause in Vol-III, 22 nos. of Electromagnetic flow meters are considered at UGR and BPS locations. Both clauses are differing. Kindly clarify and confirm the quantity of Electromagnetic flow meters.	There shall be 21 nos. of Electromagnetic Flowmeters as per P&IDs.

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			OF SCADA AND INSTRUMENTATION WORKS				
118.	Vol-V	Section IV	3.0 Consumer meter Item no. 3.2	141/17 2	Requirement of Bulk type water meter	As per referred clause, we presume that Woltmann type bulk water meter to be provided. Kindly clarify and confirm.	As per Bid documents.
119.	Vol-III	Section VI	4.3.3.5 DMA	634/68 7	Average zonal Requirement of pressure point	As per the referred clause, to achieve 24x7 water supply equitably to all DMAs it is proposed to monitor the Average pressure and Lowest pressure point. Whereas, as per Vol-V instruments have been considered only for lowest pressure point. Kindly clarify the requirement of instrumentation in Average pressure points. If required, kindly amend the BOQ accordingly.	Please Refer Note on Drg No. P-225-225 –S-SD-002. As per Note “Pressure Transmitters & Residual Chlorine Analyzers may be provided either at Lowest Pressure Point or at Average Pressure Point, as per site suitability of space “.
120.	Vol-III	Section VI	1.7 SCADA system overview	546/68 7	Requirement of Automation System Architecture	As per the mentioned clause, Drg. no. P-225-225-S-SD-001, 02A, 02B & 003 to be referred. Whereas, the drawing is not available in the tender document. Kindly provide the Automation System Architecture for our reference and better understanding.	Please refer the tender drawing no. P-225-225-S-SD-001, P-225-225-S-SD-002, P-225-225-S-SD-003, P-225-225-S-SD-004. Control Philosophy already given in the tender documents
121.	Vol-V	Section IV	-	-	Construction of Control room	Provision for Construction of Zonal SCADA control room, UGR/BPS control room is not available. Kindly clarify and amend the BOQ accordingly.	The provision for Zonal Control Room is shown in the Pump Houses Layouts in Civil Drawings, as it is part of Civil works.
122.	Vol-III	Section VI	4.3.3.5 DMA	634/68 7	Requirement of Control room in DMA	As per the referred clause, LCPs to be installed in the roadside open areas. Kindly confirm whether the LCP will be able to	LCPs of adequate size have been envisaged for all DMAs and the same shall be provided.

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						accommodate RTU, UPS and battery. If not, kindly confirm the construction of Control room in all DMA locations and amend the BOQ accordingly.	
123.	Vol-III	Section VI	SUB-SECTION 8. SCOPE OF SCADA AND INSTRUMENTATION WORKS	82/687	Requirement of CCTV system at DMA locations	As per the referred clause, CCTV monitoring is required at all UGRs/BPS and at each LCP of DMAs. Whereas, as per Vol-V (5. CCTV, FIRE & INTRUDER ALARM (Hardware and Software, Pg. 130/172), CCTV monitoring is provided only for UGR/BPS locations. Hence, kindly clarify and confirm the provision of CCTV monitoring at DMA locations.	We have envisaged CCTV Monitoring at all UGRs with BPS, with the Monitors & Recorders at Zonal and respective BPS Control Room. For DMAs LCP Monitoring only CCTV Cameras with remote transmission of its signal to respective Monitor at Zonal and respective BPS and these cameras will be functional with a door switch, only when door of a LCP is opened. These cameras are part of LCPs, hence not indicated separately.
124.	Vol-V	Section IV	-	-	Requirement of Flowmeter chamber	Provision for Construction of chamber is not available for Electromagnetic flowmeter and Woltmann bulk flow meter. Kindly clarify and amend the BOQ accordingly.	As per bid documents. There is provision of RCC Chambers for Flow Meters and are part of civil distribution BOQ schedule CW-DP.
125.	Vol-III	Section VI	Standard Layout of Single House service Connection using PE/GI combination (Indicative Arrangement)	304/687	Requirement of Water meter box	As per the referred drawing, water meter with meter box has been provided. Whereas provision for the same is not available in the BOQ. Kindly clarify and amend the BOQ accordingly.	Refer Volume V, Clause 16 page-PB12 of 171

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126.	Vol-III & Vol-V	Section IV & Section VI	1.3 General Requirements of Instrumentation 1.3.1 Receive and Store information from C. Instrumentation Equipment & 4. Instrumentation for 46 DMAs with 47 Inlets	495/687 & 130/172	Requirement of Turbidity Analyser at DMA	As per the referred clause, On line Residual Chlorine and Turbidity monitoring at lowest pressure points of each DMA to be provided. Whereas, as per Vol-V only residual chlorine analyzers have been considered. Kindly clarify and amend the BOQ accordingly.	Turbidity monitoring and Chlorine analyzers have been envisaged at UGR/BPS Outlets only. Please refer in Instrumentation Schematic Diagram for DMAs, Drg. No. P-225-225-S-SD-002
127.	Vol-III	Section VI	SUB-SECTION 8. SCOPE OF SCADA AND INSTRUMENTATION WORKS	83/687	Requirement of UPS at web client locations	As per the referred clause, additional workstation outside SCADA centre comprising web router and UPS for 10 web clients to be provided. Kindly provide the UPS battery backup hours for our necessary consideration.	As this workstation to be located outside SCADA Centre, but in an Office at suitable location (to be decided later), UPS Battery Backup of 1 hour may be considered, as considered for the SCADA Centre. But of the required capacity for this Workstation.
128.	Vol-III & Vol-V	Section IV & Section VI	GENERAL	84/687 & 125,127/172	Requirement of UPS battery backup	As per the referred clause in Vol-III, Redundant UPS with 4 hours battery backup to be provided. Whereas per referred clause in Vol-V, Redundant UPS with 1 hour battery backup to be provided. Both clauses are differing. Kindly provide the actual UPS battery backup details for our necessary consideration.	As at all UGRs/BPSs redundant Electrical Power Supply Feeders from two different Power source are being provided in Electrical System, hence considering that Power interruption shall not be for a longer periods, the UPS

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							Battery Backup is now taken as 1 hour.
129.	Vol 5	IV	c) O&M	PB – 6 of 171	Price adjustment Data	Since manpower is a major portion of the cost incurred during O&M period, we request you to consider increase in the labour component of the formula for price adjustment.	As per Bid document
130.	Vol 3	Sub-section 2	2.2	OM-43 of 52	Reduction of Water Loss to Target Level and Control	Achieving 15% NRW is practically difficult considering the loss due to theft cannot be easily detected. Therefore, we request you to consider increase in the value to 25%.	As per Bid document
131.	Vol 3	Sub-section 2	2.3	OM-43 of 52	Continuity of Water Supply (24×7)	We request you not to penalize Contractor for the Loss of continuity in water supply because of leakage in pipeline by third party interference. Therefore, downtime due to such causes shall be waived from the compliance requirement.	As per Bid document
132.	Vol 3	Sub-section 2	2.5	OM-45 of 52	Quality of Water Supplied	Referring to Sr. No 3 in table of the referred page, the residual chlorine at the point of sampling in the network will not be the same quality as that is sampled at the WTP on any given time. Therefore, if WTP maintains low residual chlorine, contractor shall not be penalized under the referred clause. Kindly consider.	Agreed. Bidder should maintain the minimum free residual chlorine of 0.2 ppm in distribution system when the free residual chlorine at the outlet of WTP is given as 1.5 ppm.
133.	Vol 3	Sub-section 2	2.13	OM-50 of 52	Electrical Energy (Power)Consumption Guarantee	With reference to the penalty on Guaranteed Power consumption, we request you to include the factor for loss in efficiency/ increased power consumption due to ageing of the equipment.	As per Bid document.
134.	General	-	-	-	Additional set of queries	We kindly request you to allow us to submit additional set of queries after site visit.	As per NIT.
135.	Technical Bid -Volume 3	VI	3.2.1	I-21 of 48	The meter type must have had life cycle testing undertaken as part	Pattern approval is carried out once before putting the product in market and hence may be 8-10 years old .Hence endurance / life cycle test certificate issued after 2015 must be sought. Please confirm.	As per bid documents

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					of meter pattern approval.		
136.	Technical Bid -Volume 3	VI	3.2.1	I-21 of 48	The meter body shall be manufactured from a non-magnetic alloy.	As per IS 779, Indian standard for domestic water meters, meter body must be made up of only Brass / Bronze which ensures meter robustness and minimize health hazards. Kindly confirm.	Water meters shall be as per IS-779/ISO4064, with ISI/IMD/Any International Certification mark.
137.	Technical Bid -Volume 3	VI	3.2.1	I-21 of 48	It shall be constructed in two halves with threaded joint and watertight seal between the two.	Multijet meter's body doesn't need to be in two halves. It is one single piece. Kindly delete this clause.	Water meters shall be as per IS-779/ISO4064, with ISI/IMD/Any International Certification mark.
138.	Technical Bid -Volume 3	VI	3.2.1	I-21 of 48	The meter shall be supplied complete with a set of non-magnetic alloy connections	As per IS 779 Couplings must be made up of the same material as that of the body. Kindly amend the clause accordingly to avoid water leakage issues from low quality couplings. Please confirm	As per bid documents
139.	Technical Bid -Volume 3	VI	3.2.1	I-21 of 48	The contractor shall bench test under the supervision of the Engineer, 1% of the new meters randomly selected from delivery batches to confirm satisfactory meter performance in conformity to the metrological class of the meter.	Sampling plan as mentioned in table no. 4 IS 779 must be followed as 1 % is a random figure. Please confirm.	As per bid documents
140.	Price Bid-Volume 5	IV	3.1	PB - 139 of 171	Consumer Meter Providing and installing Class B consumer water meter on	We assume the Consumer Water Meters are AMR compatible as mentioned in Volume III tech specification. Please confirm. Flow meter for Service Connection The following are basic requirements for water	As per bid documents

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					unmetered connections or removing existing defunct meter and installing new Class B consumer water meter as per IS 779-1994 or ISO 4064. The water meter shall be inferential type, multi jet, magnetically coupled, having dry dial, Brass / Bronze body, Class 'B' conforming to IS-779: 1994 with up to date amendments or ISO 4064:1993 standard with ISI/EEC certification mark, shall be with protection class of IP-68, complete with connecting pieces and all test certificates, including replacement of all defective fittings and submitting the details of new and old meter readings and new meter location to DJB on	meters. ☑ <i>Shall be in quality compliance of ISO 4064</i> ☑ <i>Proven reliability on extra dry register & no parts of the register should come in contact with water</i> ☑ Pre-equipped for communication ☑ <i>Direct magnetic transmission</i>	

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					regular basis. (Rate including fixing of stop cock / full way stop valve)		
141.	Price Bid- Volum e 5	IV	3.1	PB - 139 of 171	Consumer Meter Providing and installing Class B consumer water meter on unmetered connections or removing existing defunct meter and installing new Class B consumer water meter as per IS 779-1994 or ISO 4064. The water meter shall be inferential type, multi jet, magnetically coupled, having dry dial, Brass / Bronze body, Class 'B' conforming to IS- 779: 1994 with up to date amendments or ISO 4064:1993 standard with ISI/EEC certification mark, shall be with protection class of IP-68, complete with connecting	<p>Please note that EEC is now upgraded to MID. Hence MID/CE mark should also be acceptable.</p> <p>Please note that ISO 4064:1993 is upgraded to ISO 4064:2005 and same should be acceptable.</p>	As per bid documents

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					pieces and all test certificates, including replacement of all defective fittings and submitting the details of new and old meter readings and new meter location to DJB on regular basis. (Rate including fixing of stop cock / full way stop valve)		
142.	Technical Bid -Volume 3	Section VI Tech Specifications	1.8.3.3	OM 17 of 52	<p>Doorstep reading and Billing To improve the quality of service, the Operator shall carry out the following:</p> <p>☐ The Operator shall Reading of the water meters and billing.</p> <p>☐ The Operator shall Barcode for Door Step Billing (reading, issuing and distributing the bills in one stage) and download the data on daily basis.</p> <p>☐ The Operator shall Customers on the GIS with the KNO of the RMS. This</p>	<p>Please note that there is no provision on BOQ for meter reading software and Handheld unit for Doorstep billing and reading.</p>	<p>As per bid documents It is in the scope of bidder. Bidder shall assess on the requirement by themselves. DJB shall facilitate in accessing/interfacing with the RMS database as required for meter reading, data input and bill generation.</p>

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					will enable the Operator to map the reading and billing routes properly		
143.					General-Pre Shipment Inspection	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 documents
144.					General-Lot testing at FCRI	It is highly recommended to send sample 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	As per bid documents
145.					General - Manufacturer factory certificates	To ensure good quality water meters the manufacturing site must possess quality management certificates pertaining to ISO 9001:2008, ISO 14001: 2004. Kindly accept.	As per bid documents
146.					General	As per the rules of Indian legal Metrology Act, 2009, department of consumer affairs, GOI, Water meters being used for any commercial transaction / billing to consumers should possess mandatory Modal Approval certificate for the water meter. Hence only those water meter makes which have necessary certificate from Legal metrology and possess the license number / marking of the same on the meter shall be considered. Kindly confirm.	As per bid documents
147.	Volume I	IV	Form FIR-1 & 2	Page 39/40 of 97	Statutory Auditor / Chartered Accountant Certificates	There is a requirement of financial details to be submitted vide Form FIN 3.1, FIN 3.2, FIR 1, FIR 2, certified by Statutory Auditor. Chartered Accountant. We would like to bring to your notice that getting the	As per bid documents

S.N.	VOLUME	SECTION	CLAUSE	PAGE	SUBJECT	CLARIFICATION REQUIRED	DJB'S REPLY
						documents certified by statutory auditor is a time-consuming process. Considering the time constraint, we request you to allow the bidders to provide financial details certified by Statutory Auditor / Chartered Accountant. Kindly confirm.	
148.	Volume I	Section II	ITB 34.1	Page 9 of 95	Date of Exchange rate	As per the referred clause, the currency that shall be used for Bid evaluation and comparison purposes to convert all Bid Prices expressed in various currencies into a single currency is: Indian National Rupee (INR) only. The source of exchange rate shall be the Reserve Bank of India (RBI). The date for the exchange rate shall be: 28 days prior to the date of Bids submission specified in ITB 22.1. For the ease of preparing bid, we request you to consider the date of exchange to be 31 st March of that particular year. Kindly Confirm.	As per bid documents
149.	General				Soil Bearing Capacity	Please provide SBC of the UGRs	As per bid documents
150.	General				Topographical Survey	Kindly provide the Topographical survey of the feeder main and distribution pipe route for hydraulic study.	As per bid documents
151.	Vol V /Price bid/	IV	item no 11.5	PB-67 of 171	DI Pipe	The item refers to "Providing and laying Double Flanged (Screwed/ Welded) Centrifugally (Spun) Ductile Iron Pipes of Class K - 9 conforming to IS: 8329: We understand above item is for DI K-9 Pipe. Kindly confirm	Yes, confirmed.
152.	Vol V /Price bid/	IV	item no 12.15	PB-73 of 171	MS Pipe	Kindly provide thickness of internal lining and outer coating of MS pipe.	Please refer to clauses 9.2.5 to 9.2.9, Page no. C-85 to 90 of 161, Vol. III.
153.	Vol V /Price bid/	IV	item no 11.4	PB-39 of 171	Disinfecting	Disinfecting C.I. water mains by flushing with water containing bleaching powder @ 0.5 gms per liter of water and cleaning the same with fresh water, operation	As per bid documents

S.N.	VOLUME	SECTION	CLAUSE	PAGE	SUBJECT	CLARIFICATION REQUIRED	DJB'S REPLY
						to be repeated three times including getting the sample of water from the disinfected main tested in the municipal laboratory. We understand Unit of above item is Mtr Not 100 mtr kindly Confirm.	
154.	Vol V /Price bid/	IV	item no 12.4	PB-41 of 171	MS Pipe	Laying in position M.S pipes/ Steel cylinder reinforced concrete pipes suitable for rubber ring jointing or welding or flanged jointing (excluding cost of pipe). We understand above item shall Supplied by the DJB free of cost. Kindly confirm.	As per Bid Documents.
155.	Vol V /Price bid/	IV	item no 12.5	PB-41 of 171	MS Specials	Laying in position M.S. specials/ steel cylinder reinforced concrete specials suitable for rubber ring jointing or welding or flanged jointing (excluding cost of specials). We understand above item shall Supplied by the DJB free of cost. Kindly Confirm.	As per Bid Documents.
156.	Volume-V	IV	Item No. 12.15.1, 12.15.2, 12.15.3 & 12.15.4	Page PB 74 of 171	Thickness of MS pipe	Thickness mentioned are not as per IS 3589. Please amend them as below: For 250 NB – 5.0 mm For 300 NB – 5.6 mm For 350 NB – 5.6 mm For 400NB – 6.3 mm Kindly Confirm.	As per Bid document. Please refer clause 3.2.1 (3) of scope of works in section VI of volume III.
157.	Volume -V	IV	Item No. 2.10,	Page PB 93 of 171	Type of EOT Crane for 5.0 MT capacity.	Allow use of Single Girder Crane instead of Double Girder as 5 Ton capacity can easily be catered by Single Girder crane. Kindly Confirm.	As per bid documents
158.	Vol-III,	VI	Clause 2.3.10.2, 4, D,	Page M 20 of 50,	Efficiency of lower capacity pumps	For pumps having discharge 150 m3/Hr and below, efficiency should be as offered by Pump Vendor instead of 80 % because such pumps do not give 80 % efficiency. Please allow the same.	As per Bid document. However in such cases the best possible efficiency available among all the approved manufacturer shall be considered.

S.N.	VOLUME	SECTION	CLAUSE	PAGE	SUBJECT	CLARIFICATION REQUIRED	DJB'S REPLY
159.	Vol-III	VI	Clause 3.1,	Page M - 22 of 50,	Pipe and Fittings within building	Due to space constraints within buildings, allow use of MS pipe and fittings irrespective of diameter of pipe for easy handling, installation and erection to suit space availability. Kindly Confirm.	As per bid documents
160.	General				Solar Power system	We understand that land for installation of Solar Power system shall be provided by DJB free of cost. Kindly Confirm.	Solar system shall be installed on the rooftop of reservoir.
161.	Price Bid				Solar Power system	Please clarify whether capacities of Solar power system mentioned in price bid is DC or AC. Kindly Confirm.	AC supply will used for all load.
162.	Volume III/	Part 2/Section VI/D O&M,	1.2	Page OM- 5 of 52	Objectives of Operation and Maintenance	The tender states that "O&M contract is to ensure an efficient operation and maintenance of Water Supply and Distribution System by providing safe and clean drinking water distributed equitably in the project area at a specified quantity, quality and pressure" Since water treatment is not in scope therefore employer must ensure water quality quotient at the start of transmission mains and thereafter its Operator's responsibility is to maintain water quality. Kindly Clarify.	Agreed and confirmed.
163.	Volume III/	Part 2/Section VI/D O&M,	1.6	Page OM- 9 of 52	Scope of work	The tender states that "Identification and reporting of illegal connections to DJB for action (legalization/disconnection) as per DJB bye-laws." Who will be responsible for regularization of illegal tapping/connection? Kindly Confirm.	Regularization shall be done by DJB by physical works shall only be executed by the bidder.
164.	Volume III/	Part 2/Section VI/D O&M,	1.7.5	Page OM- 13 of 52	DMA Process Monitoring parameters	The tender states that "Pressure monitoring will be at the inlet of the DMA" Does this mean Pressure KPI does not includes in service connection? Kindly Confirm.	As per bid documents. In DMA SCADA system we have provided pressure transmitters at Inlet & outlets of each DMA Control Valve and at the lowest or Average pressure point of each DMA, to remotely monitor and Control the pressures as well

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							total flow at each DMA.
165.					Chlorination System	Is there any Chlorine dosing arrangement at BPS during construction phase? If yes, then Is chlorine storage license available with employer? Kindly Confirm.	As per bid documents
166.	Vol. II	Section VIII. Particular Conditions	Clause 14.2.	Page 8 of 67.	Repayment amortization rate of advance payment	The current amortization rate of advance payment is 20%, we request you to kindly make it 10% so that we can have a better cash flow. Kindly Confirm.	As per bid documents
167.	Vol. II	Section VIII. Particular Conditions	Sub-Clause 1.1.5.6. (2C)	Page 11 of 67.	O&M during Post-Construction Phase.	The clause states that after 60 months from issuance of taking over certificate of works, 0.1% per day delay damage of value of O&M post construction, will be charged to the contractor. Kindly elaborate this clause. During O&M, operator is paid according to his performance based on KPI's then what is this LD about. Kindly Confirm.	As per Bid Documents. This clause will be attracted when the contractor will fail to handover the plant and assets at the required condition to the Employer at the end of O&M period.
168.	Volume V,	Section IV		PB-16 of 171	Payment Terms- O&M	Request you to consider O&M Payment to Fixed Payment of 75% & 25% for performance Based Payment instead of current 60% fixed & 40% variable.	As per bid documents
169.	Volume I,	II	ITB Clause 14.2	Page 6 of 97	Permits	Since getting permits is contractor's responsibility. We request DJB to fix a timeline with various departments for getting approval / permits so that the project execution is not delayed due to delay in receiving permits. Kindly confirm.	As per bid documents
170.	Volume 5 Price Schedule Provisional sum				Bituminous Road Restoration	During the pre-bid it was clarified that Bituminous Road Restoration is not in the scope of contractor. However, contractor must make payment to MCD or other agency on behalf of DJB from the assigned provisional sum. Kindly clarify the process how this payment cycle between contractor, MCD and DJB will take place.	The Contractor shall make the payment to road owning agency as per instruction of DJB and then claim the money in next RA Bill. Also refer to S.N. 23.
171.	Volume 5	IV	Stage	Page	Against Supply of	The clause states that payment on supply of finished	Refer to Corrigendum.

S.N.	VOLUME	SECTION	CLAUSE	PAGE	SUBJECT	CLARIFICATION REQUIRED	DJB'S REPLY
			payments	17 of 171	finished Pipes along with internal and external lining	<p>pipes will be made for a maximum length of 10 Kms of pipes at a time. Next instalment will be released such that the maximum quantities of supplied but unlaidd pipes doesn't exceed 10 Kms.</p> <p>We request you to increase the supply limit from 10kms or Fix KMs per DMA. This is required so that construction milestones are achieved on time and there is no delay due to insufficient supply of pipe at any point in time.</p>	
172.	General				SPV Experience	<p>Can the bidder who is a minority stakeholder in a SPV formed to execute a similar kind of project, claim that SPV's experience for pre-qualification under DJB's projects?</p> <p>Kindly clarify.</p>	Yes, but refer to other conditions of Eligibility and Qualification Criteria also.
173.	General				Meter Replacement	Please confirm that 100% meters at house service connections are to be replaced.	As per bid documents
174.	General					Please confirm, who will bear the cost of meter replacement after its 7-year life cycle.	As per bid documents
175.	General					In case a water meter is turns redundant because of tampering or theft and the same is replaced by contractor. How this payment will be made to the contractor?	As per bid documents.
176.	General					Since NRW is the key for the project and majority of NRW is driven through water measured at Metering Points, and If the water meters are found to be tampered, this will hugely affect the NRW. How DJB is going to tackle this issue in order to safeguard the interest of Contractor/Project.	As per bid documents
177.	General				Provisional Sum	Please clarify, how the provisional sum payments will be done to the contractor?	Refer to S.N. 23 and 170.
178.	General				Land	Please confirm that land to be used for setting up yards/stores/ Customer Service centre/Test Bench etc will be provided by the DJB free of cost.	Land for setting up yards/stores/consumer service center etc. will be provided by DJB free of cost, which shall be vacated and handed over to

S.N.	VOLUME	SECTION	CLAUSE	PAGE	SUBJECT	CLARIFICATION REQUIRED	DJB'S REPLY
							DJB at the end of contract.
179.	Volume I	IV	Clause 2.2.3 Personnel	Page 21 of 97	O&M Manager	<p>There is a requirement of O&M manager who has O&M Manager should have Minimum 15 years of experience in 24x7 equitable and continuous Potable Water Supply Systems with the following specific experience. It's not necessary that person of this kind of specific experience should be available in the company at the time of bidding.</p> <p>We request you to kindly allow bidders to submit an undertaking to employ personnel with this experience during execution. And this should not become a cause of bid rejection.</p> <p>Kindly Confirm.</p>	As per bid documents
180.	General				Retained Asset	<p>If an asset is retained or not replaced during execution as per the plan approved by Employer, kindly clarify how the payment for the same will be done to contractor if needs to be replaced during O&M.</p>	Contractor will bear all expenses
181.	Vol. II	Section VIII. Particular Conditions	Sub-Clause 1.1.5.6.	Page 11 of 67.	No Payment for delay in CAPEX after 4.5 Year	<p>The clause states that no O&M payment during construction after 4.5 Years will be made to contractor if Capital works delay is attributed to contractor.</p> <p>We wish to state that if there is even a delay of 1% also, the contractor doesn't get any payment, further attributing delay to party is time taking process, Which is a big risk to the bidders. We request you to relax this clause and amount to the contractor so that the project progress doesn't hamper.</p>	As per bid documents
182.	Volume III,	VI		Page 8 of 90	Specified Equipment/Goods/ Products	<p>The bidder/contractor shall furnish documentary evidence that the Goods offered have been in production for at least 'X' years and that a minimum of 'Y' units of similar capacity have been Sold.</p> <p>Kindly confirm if bidder has to submit these details along with the bid.</p>	No. The materials and products and their Makes shall be proposed by the Contractor prior to the execution of Work.

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183.	Volume 3	Section VI	Contract wide Water Loss:	OM-43 of 52	Table: Total Water Loss vs. Performance Payment as % of O&M cost	<p>For the performance payment it is mentioned that if the water loss is more than 25%, the department will start deducting payment whereas penalty clause is already mentioned for the same activity. The bidders are getting penalised 2 times for a single event. We request you to remove the negative payments from this table.</p> <ol style="list-style-type: none"> 1. Target level mentioned is not in line with KPIs, 2. Having a loss level measurement and target for entire area in year 3 is not practical. All works will be in progress and only few DMAs would be commissioned. Work program cannot be tuned to achieve NRW levels which is a derived target but can be optimised to complete physical works in a DMA and elsewhere in time. Please consider, a) during construction period, loss level measurement every year with staggered KPI targets, only for DMAs which are commissioned, and b) for overall system, KPI targets after 6 months from start of O&M period. 3. Penalty of withholding caution deposit shall be applicable only on running bill of O&M works during construction period. This is very critical for cash flows. <p>Kindly confirm that the caution deposit withhold will be released subsequently when the threshold water loss level for previous year is achieved.</p>	As per Bid Documents and S.N. 6 & Corrigendum.
184.	Vol 3	Part B Section VI Technical Specifications D. O&M Works	1.12/1.13	OM - 23 of 52	Minimum Staff to be deployed for O&M	We request the staff requirement be made indicative only and not mandatory. The contractor shall be free to deploy the requisite manpower which may differ from the indicative list.	As per Bid Documents
185.	Vol 1	Section IV	3.2	Page 23 of 97	Life cycle cost	Kindly provide us the formula and discounting factor for calculating life cycle cost for evaluation purpose.	Refer to Corrigendum, S.N. 6.

S.N.	VOLUME	SECTION	CLAUSE	PAGE	SUBJECT	CLARIFICATION REQUIRED	DJB'S REPLY
186.	Volume 1	Section III	Notes to the bidders	19 of 97	Evaluation and Qualification Criteria	<p>As per the tender it is mentioned in the notes to the bidders section, point no. (iv) For contracts under which the Bidder participated as a JV member, only the Bidder's share, by value of contract, physical size, complexity, methods/technology and/or other characteristics, shall be considered to meet this requirement.</p> <p>This condition was not mentioned in the earlier invited NITs of the same scheme "Improvement of Water Supply System including Operation and Maintenance of Transmission & Distribution Pipes, Pumping Stations, Service Connections and Consumer Meters with DMA formation and NRW Reduction in Chandrawal WTP Command Area, Package - 3 (Central)" Even though the scope of work is more in Package 3 but this condition was not mentioned.</p> <p>For increasing number of bidders and for a better competition we request to remove this condition from Package 2 also.</p>	As per Bid Documents
187.	Vol 1	Section II	ITB 14.2	Page 6 of 97	Permits	We request for DJB should fix the timeline for getting approval / permits from other department.	As per Bid Documents
188.	Vol 1	Section IV		Page 46 of 97	Cap on Max penalty	DJB should fix a cap on penalty.	As per Bid Documents
189.	Vol 5	IV		PB - 5 of 171	Adjustment Formula	The price adjustment for DI pipe is not captured by wholesale price index. So a separate index for pig iron should be considered for calculating escalation for DI pipe.	As per Bid Documents
190.	Vol 5				Payment Security	Whether DJB will open an escrow account for O&M Payment?	No
191.	Vol II	VIII	13.3	44 of 67	Variation Procedure	Kindly confirm, the variation is applicable for works under O&M during construction period and post construction period"	If any variation required, it shall be applied in accordance with GC Clause 13.

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192.	Volume III Part D, & Vol V	Schedule O&M - MISC	Sub Section 1, 1.8.5 & – Schedule O&M - MISC	OM-17 of 52 & PB- 156 of 171	Disconnection	Disconnection of house service connection requires to be separately covered as work item under Schedule O&M – MISC. Kindly make provision.	As per Bid Documents
193.	Vol – III B	Section VI Technical Specifi- cations D. O&M Works, Sub Section 2	2.1.3 - Target for KPIs and Payment Breakdown & 2.3	OM - 39 of 52	Continuity of Water Supply (24X7)	<ol style="list-style-type: none"> 1. For the KPI to work - The quantity of water supplied to the project area needs to be assured. The quantity of water shall be equal to more than projected demand as per survey carried out during the preparatory period including seasonal variations in demand. DJB to agree for mechanism to establish the quantity during preparatory period and guarantee the volume. 2. KPI should be measured at DMA level and not at project level since there may be areas affected for reasons beyond control of Contractor. Performance payment for DMAs achieving KPIs shall be released and for those not achieving KPI shall be withhold till completion of grace period of 3 months when corrective actions are to be taken. 3. Allow following 'Allowable Exclusions' under the Clause 2.3, when KPIs shall not apply <ol style="list-style-type: none"> a. Any period of shortage of water when supply volume is below 10% of agreed volume/quantity of supply affecting both continuity of supply and required pressure in DMA. b. Any period of power outage from main feeders affecting pumping of water. c. Any period between information on damage caused by third party to transmission, distribution network or any assets of water supply system causing loss and affecting supply to upto repairs and restoration of supply. 	As per Bid Documents

S.N.	VOLUME	SECTION	CLAUSE	PAGE	SUBJECT	CLARIFICATION REQUIRED	DJB’S REPLY				
						<p>d. Interruption of supply due to mains burst not exceeding 12 hours.</p> <p>e. Any period of planned maintenance which is duly notified.</p> <p>f. Any period of malfunction of equipment or facility affecting supply due to natural causes like lightening, flooding etc (not covered under force majeure) till restored.</p> <p>g. Any other conditions beyond control of contractor affecting supply and duly notified to DJB.</p>					
194.	Vol – III B	Section VI Technical Specificati ons D. O&M Works, Sub Section 2	2.1.3 - Target for KPIs and Payment Breakdow n & 2.2	OM - 39 of 52	Reduction Water Loss	<p>of</p> <p>h. We request the Ultimate water Loss level required to be fixed at 22% for distribution network measured at outlet of UGRs. This is widely accepted norm from practical experience in other similar works in India. Large population lives in areas with very congested road network and parallel utilities underground due to which damage to pipe is often and addressing it with leak detection and repair is tedious, time consuming and very difficult. Losses thereof though contained cannot be completely minimised.</p> <p>i. Allow widely accepted norm of 3% losses in transmission and reservoirs from outlet of WTP to outlet of UGRs.</p> <p>j. We request a staggered target level for Water Loss as follows</p> <table><tr><td>On Commissioning of DMA</td><td>30%</td></tr><tr><td>On completion of 1 Year from commissioning</td><td>27%</td></tr></table>	On Commissioning of DMA	30%	On completion of 1 Year from commissioning	27%	As per Bid Documents
On Commissioning of DMA	30%										
On completion of 1 Year from commissioning	27%										

S.N.	VOLUME	SECTION	CLAUSE	PAGE	SUBJECT	CLARIFICATION REQUIRED		DJB'S REPLY
						On completion of 2 Years from commissioning	25%	
						On completion of 3 Years from commissioning	22%	
						k. The Water loss level shall be calculated for separately for each DMA from DMA meter onwards and feeder main network from UGR outlet to DMA inlets. Penalties shall be levied for DMAs (calculated on prorated basis, ie. Ratio of no of connections in DMA to total no of connections) with higher water loss than KPIs provided in point 2 above. Performance payment for DMAs achieving KPIs shall be released and for those not achieving shall be withhold till completion of grace period of 3 months when corrective actions are to be taken.		
						l. Allow following 'Allowable Exclusions' under the Clause 2.2, when KPIs shall not apply		
						m. Any period of shortage of water below 20% of agreed volume/quantity of supply affecting loss level due to reduction in supplied volume in loss calculation.		
						n. Any period between information on damage caused by third party to transmission, distribution network or any assets of water supply system causing water loss to upto repairs and restoration of supply.		
						o. Any area which is disturbed, and meter reading has been affected, for reasons beyond control of Contractor and duly notified to DJB.		
						p. Any area where authorisation for action on illegal connections is not provided by DJB.		

S.N.	VOLUME	SECTION	CLAUSE	PAGE	SUBJECT	CLARIFICATION REQUIRED	DJB’S REPLY										
195.	Vol – III B	Section VI Technical Specificati ons D. O&M Works, Sub Section 2	2.1.3 - Target for KPIs and Payment Breakdow n & 2.4	OM - 39 of 52	Efficiency redressal Customer Complaints in of	<p>We request the KPI be measured as below</p> <p>1. 90% customer complaints be responded to within 24 hours of the complaint.</p> <p>2. Resolution of complaint be as per following</p> <table><tr><td>Less pressure at the consumer meter point</td><td>72 hours</td></tr><tr><td>Consumers not getting water</td><td>24 hours</td></tr><tr><td>Reported leakage in mains</td><td>24 hours</td></tr><tr><td>Poor quality of water</td><td>24 hours</td></tr><tr><td>Billing Dispute</td><td>48 hours</td></tr></table> <p>3. Allow ‘Allowable Exclusions’ under the Clause 2.4, for complaints of ‘no water’, ‘shortage of water’, ‘less pressure’ during stoppage or shortage of bulk water and power outage.</p>	Less pressure at the consumer meter point	72 hours	Consumers not getting water	24 hours	Reported leakage in mains	24 hours	Poor quality of water	24 hours	Billing Dispute	48 hours	As per Bid Documents
Less pressure at the consumer meter point	72 hours																
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196.	Vol – III B	Section VI Technical Specificati ons D. O&M Works, Sub Section 2	2.1.3 - Target for KPIs and Payment Breakdow n & 2.5	OM - 39 of 52	Quality of Water Supplied	<p>We request the Target be revised to 98%. This is more practical</p>	As per Bid Documents										
197.	VOLUME III part B		2.5	OM - 45 of 52	Water Quality	<p>DJB must guarantee the water quality at outlet of Chandrawal. The fulfilment of water quality KPI will be subject to DJB providing the water quality as per CPHEEO standards. In case of any deviation from the water quality at the outlet of the WTP, the Operator shall be paid full O&M price corresponding to this KPI.</p>	As per Bid Documents										
198.	Vol – III B	Section VI Technical Specificati ons	2.1.3 - Target for KPIs and Payment	OM - 40 of 52	Meter Reading, Billing and distribution efficiency	<p>We request the Target be revised to 95%.</p>	As per Bid Documents										

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		D. O&M Works, Sub Section 2	Breakdown & 2.6				
199.	Vol – III B	Section VI Technical Specifications D. O&M Works, Sub Section 2	2.1.3 - Target for KPIs and Payment Breakdown & 2.7	OM - 40 of 52	Response time for New Water Supply Connections	Allow 'Allowable Exclusions' under the Clause 2.7, for such request where road cutting permission is not provided by competent authority.	As per Bid Documents
200.	Vol – III B	Section VI Technical Specifications D. O&M Works, Sub Section 2	2.1.3 - Target for KPIs and Payment Breakdown	OM - 39,40 of 52	Negative marking & Penalties	Kindly remove negative marking for performance. We request a maximum and minimum threshold for KPIs with full fees for maximum level and no performance fees for below minimum level. Negative marking of KPIs below minimum threshold level shall cut into fixed fees of the Contractor. Here, the Contractor will bleed, be not able to cover his fixed cost and therefore not sustain the operations. There are other contractual measures like performance guarantees and termination in case of non-performance which shall be applied for performance below minimum threshold levels.	As per Bid Documents, S.N. 6 and Corrigendum- S.N. 3.
201.	Vol – III B	Section VI Technical Specifications D. O&M Works, Sub Section 2	2.1.3 - Target for KPIs and Payment Breakdown	OM - 39 , 40 of 52	KPIs measurement	Kindly allow all KPIs to be measured and monitored at DMA level. The performance fees shall be calculated at DMA level 1. Performance fees shall be withhold if KPI is not achieved in a DMA, providing a grace period to correct, and release of withhold fees if KPI is achieved within the grace period. 2. If a KPI is achieved on aggregate at a cluster level, the KPI penalty shall not be levied for any DMA within the cluster. 3. If a KPI measurement is disputed, the performance payment shall be released against bank guarantee to	As per Bid Documents

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						improve cash flow.	
202.	Vol – III B	Section VI Technical Specifications D. O&M Works, Sub Section 2	2.1.2 - Payment Conditions for O&M	OM- 38 of 52	Fixed Performance Payment and	<ol style="list-style-type: none"> 1. Percentage of Fixed fees should cover the minimum fixed cost of contractor in Operation Maintenance which is about 80% of quoted price. Kindly make the Fixed fee: Performance fee ratio equal to 80:20. 2. The Fixed fee: performance fee ratio shall be calculated only on Manpower and preventive maintenance works under Schedules OM M1, OM P1, OM M2 and OM P2. It shall not be applied on works during O&M covered under schedule OM MISC and OM R1. Works under OM MISC and R1 shall be paid as per bill of quantity on completion of works billed monthly. 	As per Bid Documents
203.	Vol – III D. O&M	Section VI Technical Specifications, Sub Section 2 D. O&M Works, Sub Section 2	2.14	OM-51 of 52	Penalties for non- deployment of specified minimum staff for O&M works	<ol style="list-style-type: none"> 1. The penalty provision is incorrect since there is already a performance payment on manpower fees. The Contractor shall be allowed to plan O&M works and manpower to achieve KPIs. Request to kindly remove the provision. 	As per Bid Documents
204.	Vol II,	Section VIII	Part A, Contract Data, Table - Summary of Section (2 C)	Page 10 of 67	Delay Damages (Sub clause 8.7) for O&M during Post-Construction Phase.	We request explanation for delay damages '0.1% per day of the value of this Section 2.C) Works in the Contract price'	As per Bid Documents. Refer to Corrigendum, S.N. 15 & 16.
205.	VOLUME III	VI	2.1.3	OM - 39 of 52	Target for KPIs and Payment Breakdown	We understand that the designs (hydraulic modeling, mapping etc.) is not in the scope of the Contractor. If so, please clarify how the Contractor, during execution of works, will decide on which works to execute (in absence of maps and drawings) such as which pipeline	As per Bid Documents

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						to be replaced with which size etc.	
206.	VOLUME : III	VI	4.2	A-28 of 80	GIS/ Survey Mapping Customer and	While the Contractor is expected to update the maps continuously, it is not clear who will be responsible for the GIS maps preparation initially? Also, if the maps are to be provided by DJB or third party, please provide the timelines as the GIS Updation will be contingent upon receipt of these maps in a satisfactory manner.	As per Bid Documents
207.	Vol. II & Vol. III	Section VIII. Section VI	Table: Summary of Sections Modality of O&M Contract & Payment	Page - 10 of 67 Page OM - 7 of 52	Delay Damages	For delay in completion of construction, the Contractor is penalized with LDs. However, as per the provision under Section VI, Contractor will not be paid the O&M price in case of delay in construction. Please appreciate that these two activities (construction and O&M) are independent from each other and therefore delay in construction should not have any impact whatsoever on the O&M payments. Moreover, the Contractor is penalized in more than one way for the delay in construction (delay LDs and non-payment of O&M). We request you that the O&M should be paid irrespective of delay in construction.	As per Bid Documents. Refer to Corrigendum, S.N. 15 & 16.
208.	General				General	Kindly Provide BOQ in Excel format for better working.	As per Bid Documents
209.	General				General	Kindly provide list of approved make for electro mech. Items	As per Bid Documents
210.	General				General	Please provide drawing in Auto-Cad Format.	As per bid documents
211.	General				General	Soil Investigation report. Please furnish the soil investigation report for ascertain the Net SBC at different locations.	As per bid documents
212.	General				General	1. Kindly confirm us the distance between the site and the place where surplus material is to be disposed. 2. Pls confirm whether the disposal site will be made available to the contractor or not.	Refer to S.N. 42.
213.	Vol 5	Section IV Bidding	B. Work Items	PB - 15 of	Water Supply by Tankers	The quantity of water tankers supply should be mentioned in the financial bid.	As per Bid Documents.

S.N.	VOLUME	SECTION	CLAUSE	PAGE	SUBJECT	CLARIFICATION REQUIRED	DJB'S REPLY
		Forms Price Bid		171			
214.	Vol 5				Payment Security	Whether DJB will open an escrow account for O&M Payment?	No
215.	Vol II		13.3	44 of 67	Variation Procedure	Kindly confirm, the variation is applicable for works under O&M during construction period and post construction period"	As per Bid Documents.
216.	Vol – III B	Section VI Technical Specifications D. O&M Works, Sub Section 2	2.1.3 - Target for KPIs and Payment Breakdown	OM-39 of 52	Negative marking & Penalties	Kindly remove negative marking for performance. We request a maximum and minimum threshold for KPIs with full fees for maximum level and no performance fees for below minimum level. Negative marking of KPIs below minimum threshold level shall cut into fixed fees of the Contractor. Here, the Contractor will bleed, be not able to cover his fixed cost and therefore not sustain the operations. There are other contractual measures like performance guarantees and termination in case of non-performance which shall be applied for performance below minimum threshold levels.	Refer to S.N. 200.
217.					Land Acquisition and resettlement	The cost & permission of right of way, Land acquisition & resettlement during working will be client's scope. Please clarify.	As per Bid Documents
218.	Vol V		Item no 2.10	PB - 29 of 171	Clearing jungle Including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30cm measured at a height of 1m above ground level and removal of rubbish up to a distance of 50m outside the	Permission, Expenses & approval of cutting Trees are in client scope. Please confirm.	The referred item includes smaller trees which do not require permission as such. However, if larger trees are to be cut, DJB will assist the bidder for obtaining the permission. All the expenses for the same shall be paid (if necessary) initially by the bidder and same shall be reimbursed by DJB under provisional sum.

S.N.	VOLUME	SECTION	CLAUSE	PAGE	SUBJECT	CLARIFICATION REQUIRED	DJB'S REPLY
					periphery of the area...		
219.	General				Accommodation for Labor & Site infrastructure	Please allow the accommodation facility for labors & site infrastructure within the city at free of cost.	As per bid documents. Refer to GC clause 6 [Staff and Labor].
220.	General				Extra Item	If extra item is added apart from BOQ from detail design. It will be paid extra. Please confirm.	As per Bid Documents.
221.	General				Water supply by tankers-	There is no item in BOQ please clarify how DJB will for pay on per KL basis and also clarify the availability of tanker filling point.	As per Bid Documents.
222.	Vol V		-	-	BOQ	There is no BOQ item for supply of meter test bench, please clarify DJB will install meter test bench or contractor?	Necessary meter test bench shall be arranged by the bidder.
223.	General				Water & Electricity	We understand that the charges for electricity and water shall be borne by the Employer during commissioning and trial run. Please consider and confirm.	As per Bid Documents.
224.	O&M		2.4	OM - 44 of 52	Efficiency redressal in of Customer complaint	Kindly clarify Redressal is to fully resolve the complaint in 24hrs or acknowledge/ address the complaint and start working on the action	As per Bid Documents.
225.	O&M		2.3	OM - 43 of 52	Continuity of Water Supply (24x7)	Please ensure that Contractor will get un interrupted supply of water from the WTPs	As per bid documents
226.	O&M		2.14	OM - 51 of 52	Penalties for non-deployment of specified minimum staff for O&M works	Kindly clarify is Water Supply Engineer (International) is an expatriate or Indian with international experience	Indian with international experience in specific subject will suffice.
227.	Volume-III & V	Section VI	3.1.1 (Vol-III) & 13.5 & 13.7 (Vol-V)	A-20 of 80 (Vol-III) & PB-46, PB-47 of 171 (Vol-V)	Sub-Section 3: Pipeline Works & Schedule CW-TM	Under clause 3.1.1 indicative Pipe diameter for trenchless of road crossing for transmission main has been mentioned as 1400 mm diameter where as in price schedule for transmission main under mentioned clause diameter has been mentioned as different. Bidder understand that if at execution stage quantity of work changes extra cost incurred shall be provided to contractor on actual rates as a part of variation order. Please confirm?	Price should be quoted for Pipe sizes given in BOQ. For any variation as per site condition, Variation clause shall apply as per GC Clause 13 [Variations and Adjustment].
228.	Volume-III	Section VI	3.1.5 (Vol-	A-22	Sub-Section 3:	Under clause 3.1.5 indicative Pipe diameter and length	Price should be quoted for

S.N.	VOLUME	SECTION	CLAUSE	PAGE	SUBJECT	CLARIFICATION REQUIRED	DJB'S REPLY
	& V		III) & 13.1 (Vol-V)	of 80 (Vol-III) & PB-77 of 171 (Vol-V)	Pipeline Works & Schedule CW-DM	of trenchless for road crossing for distribution main has been mentioned which is different than what is provided in the price-bid schedule CW-DM. Bidder understand that if at execution stage quantity of work changes extra cost incurred shall be provided to contractor on actual rates as a part of variation order. Please confirm?	Pipe sizes given in BOQ. For any variation as per site condition, Variation clause shall apply as per GC Clause 13 [Variations and Adjustment].
229.	Volume-III	Section VI	5.2	A 44 of 80	Sub-Section 5: Scope of UGR & BPS Civil Works	The UGR, sumps & Pump house to be rehabilitated please mention the tentative quantity of repair works in the price schedule so to ascertain cost of works on item rate basis. As evaluating extent of repairs at tendering stage will not be possible by the bidder.	As per Bid documents
230.	Volume-III	Section VI	7.1	C-65 of 161	Road Restoration	Clause states that," Normally the Roadwork shall be done by the concerned department or by a separate agency. However, wherever required or specified in the BOQ/ drawings, the contractor has to do the new roads formation and/or road restoration after the pipe laying works." Statement seems to be ambiguous in term of scope hence bidder request to please confirm the scope of the same.	Provision has been considered in BoQ for this item. However, whether restoration of road shall be done by DJB or Road owning agency, shall be decided later on.
231.	Volume-III	Section VI	10.1.4	C-150 of 161	Sub-Section 10: Particular Design Criteria & Requirements For RCC & Building Works	In the clause it has been mentioned that "Safe bearing capacity of soil strata shall be taken as indicated in geotechnical report." At proposal stage it is not possible for bidder to carry out geo-technical survey hence we request DJB to please provide Geo tech reports of proposed sites where the tanks are to be constructed newly.	As per bid documents
232.	Volume-III	Section VI	10.1.8 point 8 & 28	C-154, 155 of 161	Sub-Section 10: Particular Design Criteria & Requirements For RCC & Building Works	Width of staircase has been mentioned as 1.5m & 1.2m in the mentioned two clauses. We presume that staircase details mentioned in clause 10.1.8-28 shall govern.	The width shall be as per final approved drawing. However minimum width shall be 1.2 m as per clause 10.1.8 (28).
233.	Volume-V	Section-IV	3 & 4	PB-148 & 149 of 171	Schedule CW-P	Cost of works for Road restoration has been mentioned under the head of provisional sum. Hence bidder presumes that the payment of restoration works if required at project stage shall be done as per actual rates and the bidder shall be paid accordingly from the provisional sum. Please confirm?	Yes

S.N.	VOLUME	SECTION	CLAUSE	PAGE	SUBJECT	CLARIFICATION REQUIRED	DJB'S REPLY
234.	Volume-III	Section VI	10.1.3.9	C-149 of 161	Sub-Section 10: Particular Design Criteria & Requirements For RCC & Building Works	Earthquake Zone Factor has been mentioned as Zone-V with a zone factor of 0.36 whereas as per latest IS 1893 states Delhi in Zone 4 with Zone factor of 0.24. Bidder presumes that Zone and zone factor mentioned in IS code governs. Kindly Clarify?	As per bid documents.
235.	Volume-III	Section VI Technical Specifications C4. Electrical Works	7.4.5	E -40 of 79	Moulded Case Circuit Breaker (MCCB)	As per this clause "MCCB terminal shall be provided with thermal magnetic release for protection against overload, short circuit and earth faults." Please clarify the meaning of MCCB Terminal here.	MCCB terminal means "Feeder with MCCB". Refer Notes of SLD.
236.	Volume-III	Section VI Works Requirements B. Scope of Works	8.3	A - 78 of 80	Equipment Details for SCADA SYSTEM	As per Part-C, Sl. No.: 1.3 the required DMAs hardware (93 Nos.) is "Local Control Panel (LCP) with CCTV monitor", from this we assume that the Local Control Panel (LCP) shall be provided with CCTV camera without the CCTV monitor as the LCP shall be located at remote location please provide the detail requirement.	Refer to S.N. 122 and 123.
237.	General					All the electrical works and instrumentation equipment supplies, installation, testing and commissioning shall be limited to attached single line diagram, bill of quantity and SCADA system Architect/configuration diagram (SCADA & PLC), thereafter any change in BOQ / supply of equipment during the detail engineering shall be part of variation order please confirm.	As it is Design and Build Component, it is bidder's responsibility to do detail engineering and provide equipment accordingly. Tender drawings are for reference purpose only. No variation shall be considered.
238.	Vol. 2	Section VIII, Particular Conditions, Part A	2.1	6 of 67	Time for access to and possession of all parts of the site	It is our understanding that the Right to Access of the site is a condition precedent for commencement of the Work. Please confirm.	Yes
239.	Vol 2	Section VIII, Particular conditions, Part B	8.1	34 of 67	Commencement of Work	There is a new sub-clause (e) that is added which states that " <i>each Sub-Section under the Section 1 shall be executed by</i> "- It is our understanding that the meaning of the word <i>executed by</i> executed is to be interpreted as " <i>executed from</i> ". Please confirm	Yes

S.N.	VOLUME	SECTION	CLAUSE	PAGE	SUBJECT	CLARIFICATION REQUIRED	DJB'S REPLY
240.	Vol 2	Section VIII, Particular conditions, Part A and B	8.1 c and 8.1	7 of 67 and 34 of 67	Commencement of Work	<p>We understand that the commencement of work for Section 1 Work shall be upon the fulfillment of the following condition: <i>giving effective access to and possession of the site along with the permissions required under the law.</i> Kindly confirm.</p> <p>We understand that the Section 2 of the work shall commence 6 months after the Commencement date of section 1 or the next day of the preparatory period of Operation and maintenance is completed. Kindly confirm.</p>	<p>The condition of “giving effective access to and possession of the site” will apply only to UGR and BPS sites under custody of DJB. However, this doesn't include for the sites for Pipeline works and associated facilities in the public roads and lands belonging to other agencies.</p> <p>Yes, confirmed.</p>
241.	Vol 2	Section VIII, Particular conditions, Part A and B	14.2	8 of 67	Advance Payment	<p>It is our understanding that the advance payment is a condition precedent for commencement of the Work. Please confirm.</p>	Yes, Confirmed.
242.	Vol. 2	Section VIII, Particular Conditions, Part A	17.6	8 of 67	Maximum total liability of the Contractor to the Employer	<p>As per the referred clause, “Maximum total liability of the Contractor to the Employer: The product of one times the value of the Section 1 in the Accepted Contract Amount and The product of one times the value of the Section 2 in the Accepted Contract Amount.”</p> <p>We request you to consider Maximum total liability of the Contractor to the Employer as Ten percent (10%) of the value of the Section 1 (Construction works) and Section 2 (O&M works) in the Accepted Contract Amount respectively.</p>	As per Bid Documents
243.	Vol. 2	Section VIII, Particular Conditions, Part A	2B	11 of 67	Table Summary of Events	<p>It is our understanding that “Agency” referred to in this section is the Contractor. Please confirm.</p>	Yes, Confirmed.
244.	Vol. 2	Section VIII,	2B	11 of 67	Table Summary of Events	<p>Kindly charge an amount in case of delay as the Contractor shall face heavy financial loss if no O&M</p>	As per Bid Documents

S.N.	VOLUME	SECTION	CLAUSE	PAGE	SUBJECT	CLARIFICATION REQUIRED	DJB'S REPLY
		Particular Conditions, Part A				Cost is paid to the Contractor. Further, it may also exceed the maximum capping on delay damages. Please confirm.	
245.	Vol. 2	Section VIII, Particular Conditions, Part A	Sub clause 8.7	10 of 67	Table Summary of Sections	Please confirm whether the delay damages imposed on the Contractor for failure to meet the timelines under either 1 (A), (B), (C), (D), (E) shall be refunded if the Contractor manages to complete the entire works within the stipulated 60 months.	Refer to Corrigendum, S.N. 2.
246.	Vol 2	Section VIII, Particular Conditions Part B	4.18	23 of 67	Protection of the environment	Please confirm that who shall be responsible for arranging the site for disposal of waste. Also, if the same is to be arranged by the Employer kindly specify its location.	Refer to S.N. 42.
247.	Vol 2	Section VIII, Particular Conditions Part B	4.19	24-25 of 67	Electricity, Water and Gas	We propose to provide for a clause in the tender document wherein the Contractor is granted reasonable extension of time in case of non-availability of water or non-availability/sanction of electric connection. Please confirm.	As per Bid Documents
248.	Vol 2	Section VIII, Particular Conditions Part B	14.4	47 of 67	Payment of Retention Money	When the deposit of accumulated sum of Retention Money reaches more than 1% of the Accepted Contract Amount and the Contractor submits the Bank Guarantee, the Engineer may certify for the release of Retention Money against the Bank Guarantee.” Please allow the bidder to provide upfront bank guarantee in lieu of cash retention.	As per Bid Documents
249.	Vol 3	Section VI, O&M Works	2.2 and 2.11	OM-41 of 52 and OM-49 of 52	Reduction of Water loss to target level and control; Water loss reduction in construction phase	In the provisions provided under the clause “ <i>reduction of Water loss to target level and control</i> ” it is stated that the targeted water loss to be achieved at the end of the construction period should be 15% whereas under the clause “ <i>water loss reduction in the construction phase</i> ” it is mentioned that the targeted water loss at the end of the construction period is 14%. Kindly confirm.	Targeted water loss in distribution is 14% while in transmission it is 1%. So total water loss is 15%.
250.	Vol 3	Section VI, Works Requirements	2.3.7 (4)	A-15 and 16 of 80	Miscellaneous works and services	We propose to provide for a clause in the tender document wherein the Contractor shall be given extension of time in case there is a delay in obtaining permits and approvals. Please confirm.	As per Bid Documents
251.	Vol. 2	Section VIII,	20.6	55-56 of	Arbitration	Kindly provide for the following in the Arbitration Clause:	As per Bid Documents

S.N.	VOLUME	SECTION	CLAUSE	PAGE	SUBJECT	CLARIFICATION REQUIRED	DJB'S REPLY
		Particular Conditions, Part B		67		<ul style="list-style-type: none"> • <u>Manner of Appointment of Arbitrators:</u> Both parties should be given the right to appoint an arbitrator each and the two appointed Arbitrator shall mutually appoint the Presiding Arbitrator. • <u>Place of Arbitration:</u> Please provide the place/venue for Arbitration, in case of any dispute. • <u>Cost of Arbitration:</u> Both parties shall mutually share the cost of arbitration. • <u>Governing Law:</u> Arbitration & Conciliation Act, 1996. <p>Please confirm.</p>	
252.	Vol. 2	Section VIII, Particular Conditions, Part B	20.4- 20.6	53- 56 of 67	Arbitration	<p>We understand that dispute resolution for the Section 1 and Section 2 are different.</p> <p>For disputes arising during Section 1 of the Work, the matter shall be firstly referred to the Dispute Board. If the parties are dissatisfied, they will proceed for amicable settlement. If amicable settlement fails the parties will resort to arbitration. Kindly confirm.</p> <p>For disputes arising during Section 2 of the Work, the Parties shall try to settle the matter through amicable settlement. If amicable settlement fails, the Parties will refer the dispute to the Dispute Board. If the Parties are not satisfied with the decision of the Dispute Board, the matter shall be referred to arbitration. Please confirm.</p>	As per Bid Documents
253.	Vol 3	Section VI, O&M Works	NA	NA	O&M Works / Key Performance Indicators	Please provide a maximum capping on the O&M Penalty to be levied every month for failure to reach the performance indicators.	As per Bid Documents, S.N. 6. and Corrigendum, S.N. 3.
254.	Vol. 2	Section VIII, Particular Conditions, Part B	1.5	15 of 67	Priority Documents of	<p>If an ambiguity or discrepancy is found in the documents, the Engineer shall determine any necessary clarification or instruction.</p> <p>Kindly delete the above-mentioned statement</p>	As per Bid Documents.
255.	NA		NA	NA	NA	We propose to provide for a clause in the tender document wherein the minimum guaranteed input of water to be provided by the Employer to the Contractor	As per Bid Documents.

S.N.	VOLUME	SECTION	CLAUSE	PAGE	SUBJECT	CLARIFICATION REQUIRED	DJB'S REPLY
						is specified.	
256.	Volume 5	SCHEDULE CW-DB-M Design-Build: UGR and BPS-Mechanical Works	1.13	PB – 89 of 171	Existing Crane 5.0T EOT	<p><i>Repair, maintenance and retro fittings of Crane of capacity 5.0 MT for Shastri Nagar BPS.</i></p> <p>As per proposal, capacities of 3 Pumps (flow & head of set-1) are increasing than the existing pumps (to be replaced). So, weight of the new pumps shall be more than the existing pumps which will necessitate to re-check the capacity of the existing EOT Crane.</p> <p>But, In BOQ only Repair & maintenance of the existing Crane is mentioned. Whether we should consider only the maintenance of Existing 5T Crane or we have to consider a new capacity (higher) EOT crane required as per new pump weight. Please confirm.</p>	In case of requirement of EOT Crane of higher capacity than the existing one, new EOT crane shall be provided by the bidder at no extra cost.
257.	Volume 5	SCHEDULE CW-DB-M Design-Build: UGR and BPS-Mechanical Works	3.8 a	PB – 95 of 171	Than Singh Nagar BPS: Pump	<p>Pump Flow rate & Head mentioned here (2100 m³/hr x 35m), Pump head mentioned here is not matching with head value mentioned in Volume 3, Sub-Section 7, Clause 7.3 (2100 m³/hr @ 33 mwc).</p> <p>Referring to above inconsistency, please confirm which duty point conditions to be considered (i.e. 2100 m³/hr @ 35 mwc OR 2100 m³/hr @ 33m)?</p>	Duty parameters shall be read as 2100 m ³ /hr @ 35 mwc.
258.	Volume 5	SCHEDULE CW-DB-M Design-Build: UGR and BPS-Mechanical Works	3.13	PB – 96 of 171	Electric hoist of capacity 5.0 T	Kindly check & confirm whether only electric hoist is suitable for this Pump house or we have to consider it as 5 T Double Girder Electric Overhead Travelling Crane.	As per Bid Documents.
259.	Volume 3	Sub-Section 7	7.5 (e)	A – 66 of 80	Vacuum Pumps	As per the referred clause, there are vacuum pump required for Shadipur & Rock garden BPS but Such requirement is nowhere mentioned in Volume 5, SCHEDULE CW-DB-M Design-Build: UGR and BPS-Mechanical Works (Clause 4 : Shadipur & Rock garden	Vacuum pumps are not required for Shadipur & Rock garden BPS.

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						BPS & UGR). Please confirm the requirement of the same.	
260.	Volume 5	SCHEDULE CW-DB-M Design-Build: UGR and BPS-Mechanical Works	6.8 b	PB – 105 of 171	New Rajendra Nagar BPS: Pump set-2	Set-2 Pump Flow rate & Head mentioned here (760 m ³ /hr x 38m), Pump flow rate mentioned here is not matching with flow value mentioned in Volume 3, Sub-Section 7, Clause 7.6 (180 m ³ /hr @ 38 mwc). Referring to above inconsistency, please confirm which duty point conditions to be considered for Set-2 Pumps (i.e. 180 m ³ /hr @ 38 mwc OR 760 m ³ /hr @ 38m)?	Set -2 pump flow rate and head shall be read as 180 m ³ /hr @ 38 mwc head
261.	Volume II	Section VIII Particular conditions	4.2	6 and 7 of 67	Performance security – O&M	<u>Contract terms:</u> The current contract condition demands the performance security, issued in form of a bank guarantee, @ 10% of the total value of Section 2(B) and 2(C) works respectively. <u>Our Proposal:</u> We propose to have the performance security, issued in form of a bank guarantee, @ 10% of the Annual Price of Section 2(B) and 2(C) respectively.	As per Bid Documents.
262.	Volume II	Section VIII Particular conditions	4.2	21 and 22 of 67	Performance security - O&M	<u>Contract terms:</u> First Performance Security of O&M (against Section 2(B)) works is to be submitted within 28 days before the end of the Preparatory Period (Section 2(A)) and shall be returned to the Contractor within 28 days after receiving the Performance Certificate of Section 1 Works and Second Performance Security (against Section 2(C)) received by the Employer; Further, Second Performance Security of O&M (against Section 2(C)) is to be submitted within 28 days before commencement date of O&M during post-construction phase and shall be returned within 28 days after receiving the Final Contract Completion Certificate. <u>Query:</u> Basis interpretation of the above clauses, it appears that during the Defects Liability Period, i.e., from the time	As per Bid Documents.

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						<p>of completion of Section 1 Works and till the issuance of Performance Certificate, both the First and Second Performance Securities shall remain valid and live.</p> <p><u>Our Proposal:</u> We propose that Second Performance Security should be submitted within 28 days after receiving the Performance Certificate for Section 1 Works.</p>	
263.	Volume III	Section VI: D. O&M	2.11	OM-49 of 52	Water reduction Construction Phase Loss in	<p><u>Contract terms:</u> The Contract states that if the operator fails to achieve the stipulated progress in any year, a caution deposit of 10% of the running bills in the following year shall be deducted and kept on hold until the operator achieve the stipulated progress. As and when the operation achieves the target, the deposit money shall be released without any interest.</p> <p>Further, the Contract states that in case the operator can't achieve the target till end of 6th year, this deposit money will be adjusted against the performance penalty.</p> <p><u>Query:</u> The bidder requests clarification on the following:</p> <ul style="list-style-type: none"> - Timelines on release of the unadjusted caution deposit (i.e. total caution money deposit – adjustment for performance penalties)? - Whether the caution deposit shall be withheld from the running bills of Section 1 Works only or Section 1 and 2B works taken together? - Please confirm that the Performance penalties referred to in the above clause relates to the non-achievement of KPI penalties proposed in O&M during post-construction phase? <p><u>Our Proposal:</u> 10% caution deposit during the construction phase is a material amount and negatively impacts the operator's cash flows and hence, we propose the following:</p>	<p>10% Caution deposit money will be applicable on the running bills of section 2.B). This will be adjusted against non-achievement of KPI penalties for O&M in post-construction stage.</p> <p>Other conditions shall be as per Bid Documents, clarifications given in S.N. 6 and Corrigendum, S.N. 3.</p>

S.N.	VOLUME	SECTION	CLAUSE	PAGE	SUBJECT	CLARIFICATION REQUIRED	DJB'S REPLY
						<ul style="list-style-type: none"> - An upfront release of 75% of the caution deposit at the end of 6th year; - Release of remainder 25% against a bank guarantee, valid till the issuance of Final Contract Completion Certificate. The bank guarantee to be reduced annually by the value of Performance Penalties actualized in subsequent years. 	
264.	Volume III/V	Bidding Documents (Part 2 Work Requirements) Sub Section I, General	Sub clause 1.3.2 Manufacturer's Experience Criteria, SI No. 4.2 for Ductile Iron	94/687 OR Page No. G-8 of 90,	It is mentioned that "No. of years in satisfactory operation to the end users."	We request you to kindly look into the matter and amend the said existing clause as "The No. of years in satisfactory operation to the end users should be 2 years." (Instead of 5 years) in the interest of the said project.	As per Bid Documents.
265.	Volume – III,	Section-VI,	Clause 2.11 {sub-clause-iv} – Water loss reduction in construction phase	684/687, OM-49/52	If the operator fails to achieve the stipulated progress in any year, a caution deposit of 10% of the running bills in the following year shall be deducted and kept on hold until the operator achieves the stipulated progress. As and when the operator achieves the target, the deposit money shall be released without any interest.	Please confirm that the caution deposit of 10% of the running bill relates to the O&M activities only and it is not related to the construction activities, since the water loss is related to the O&M works only. Therefore, please confirm 10% deposit will be from O&M Bill only.	Yes, Confirmed.
266.	-Do-	-Do-	-Do-	-Do-	If the operator fails to achieve the stipulated progress	We request you to please clarify the meaning of "Stipulated Progress"	Stipulated progress means average annual rate of reduction in water loss

S.N.	VOLUME	SECTION	CLAUSE	PAGE	SUBJECT	CLARIFICATION REQUIRED	DJB'S REPLY
					in any year...		required. For example, if the water loss level at the end of 2 nd year is 60% and target level at the end of 5 th year is 14%, then annual target (i.e. stipulated progress) would be $(60-14)/3 = 15.33\%$. In other words, water loss level at the end of 3 rd year must be reduced to $60-15.33=44.67\%$, by the end of 4 th year to $44.67-15.33=29.34\%$ and by the end of 5 th year to $29.34-15.34=14\%$.
267.	-Do-	-Do-	-Do-	-Do-	We request you to please provide us the definition of "X", "Y" and "Z"	We request you to please provide us the definition of "X", "Y" and "Z"	"Y", "X", "Z" are the water loss level at the end of 2 nd year, 3 rd year and 4 th year respectively.
268.	-Do-	-Do-	-Do-	-Do-		For example if "Y" base level is 60% in the first year, then at the end of the second year as per the formula $[Y-14]/3$, i.e. $[60-14]/3 = 15.33\%$; this is practically impossible. Therefore, we seek your clarification on how to calculate and use the formula.	Bidder's understanding is wrong. The water loss level at the end of 3 rd year should be $60-15.33=44.67\%$ only. Please refer to S.N. 266 for complete clarity.
269.	Volume-III	Section-VI	Clause 1.4 : Modality of O&M Contract and Payment; {sub-clause-(1)-point # 2};	Page # 641-642/687; O&M-page # 06 & 07/52	No O&M Cost will be paid beyond 4.5 years in the Construction Phase if the delay is attributable to the contractor.	We request you to kindly consider O&M cost for the areas which has been completed and O&M payment should be released to bidder on pro-rata basis.	As per Bid Document.