

DELHI JAL BOARD: GOVT. OF NCT DELHI  
OFFICE OF EXECUTIVE ENGINEER (PROJECT) WATER-II  
ROOM NO. 501, VARUNALAYA PHASE: I, KAROL BAGH, NEW DELHI-110005,  
Telephone No.:011-23554573; E-mail address: eepw2.djb@nic.in

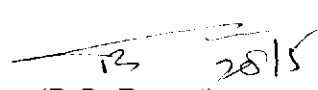
**CORRIGENDUM No-6**  
**CORRIGENDUM & ADDENDUM AND PRE-BID REPLIES**  
**NIT No. 03 (2018-19)/EE(Project)W-II**

**Name of Work:- 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 3: Central 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 was held on 21/01/2019. The corrigendum and addendum no-6 and Pre-bid replies are enclosed herewith.

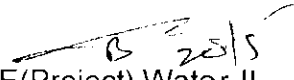
  
(B.S. Rawat)  
EE (Project) Water-II

No. DJB/EE (Pr.)W-II/2019 - 289

Dated: 28/05/2019

**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](http://www.delhijalboard.nic.in))
7. JICA India Office
8. Under Secretary JAPAN-III, DEA
9. M/S TEC Ltd. (Project Manager)
10. AE-II / AAO
11. M/F & O/C

  
EE(Project) Water-II

**JICA Assisted Delhi Water Supply Improvement Project in Chandrawal WTP Command Area (ID-P225)**

**Name of Work:** 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 3: Central Zone )

**NIT NO. 03 (2018-19) EE (PROJECT) W-II**

**Corrigendum & Addendum No. 6**  
**associated with the replies to the Pre-Bid Queries**  
(with Annexures)

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	Modified or Clarified as
1	Volume I, Section II, Bid Data Sheet, Clause ITB 19.1 and Invitation For Bids, item No.2 at page-ii.	The amount and currency of the Bid Security shall be INR 138,000,000.00 (Indian Rupees 138 Million only) in favour of ‘Delhi Jal Board’.	The amount and currency of the Bid Security shall be INR 67,000,000.00 (Indian Rupees Sixty Seven Million only) in favour of ‘Delhi Jal Board’.
2	Volume I, Section III, Clause 3.2, Average Annual Construction Turnover	Minimum average annual construction turnover of USD 34 Million calculated as total certified payments received for contracts in progress and/ or completed, within the last 5 financial years, divided by 5 years.	Minimum average annual construction turnover of USD 39 Million calculated as total certified payments received for contracts in progress and/ or completed, within the last 5 financial years, divided by 5 years. The construction turnover will include turnover achieved from construction and operation & maintenance activities.
3	Volume I, Section III, Page 17 & 18 of 95, Clause 2.1.2 Qualification Criteria No.4.2(a), Specific Construction Experience	The following experience of similar contracts that have been satisfactorily completed as a prime contractor (single entity or JV member) between 1 <sup>st</sup> January 2009 and Bid submission deadline. <u>Pipe Works:</u> The contract(s) including supply, construction, installation, testing and commissioning of a new/rehabilitation of Water	The following experience of similar contracts that have been satisfactorily completed as a prime contractor (single entity or JV member) between 1 <sup>st</sup> January 2009 and Bid submission deadline. <u>Pipe Works:</u> The contract(s) including supply, construction, installation, testing and commissioning of a new/rehabilitation of Water Supply Pipeline Systems in at least;

S.N.	Vol./ Section/ Page/ Clause	Reference or Original Text	Modified or Clarified as
		Supply Pipeline Systems in at least; a) one contract of not less than the length of <u>350 km</u> with CI/MS/DI pipes, out of which 90 km shall be of diameter <u>350 mm</u> and above, or b) two contracts each of not less than the length of 235 km with CI/MS/DI pipes, out of which each of 60 km shall be of diameter <u>350 mm</u> and above, or c) three contracts each of not less than the length of 175 km with CI/MS/DI pipes, out of which each of 45 km shall be of diameter <u>350 mm</u> and above	a) one contract of not less than the length of <u>300 km</u> with CI/MS/DI pipes, out of which 90 km shall be of diameter <u>300 mm</u> and above, or b) two contracts each of not less than the length of 235 km with CI/MS/DI pipes, out of which each of 60 km shall be of diameter <u>300 mm</u> and above, or c) three contracts each of not less than the length of 175 km with CI/MS/DI pipes, out of which each of 45 km shall be of diameter <u>300 mm</u> and above
4	Volume I, Section III, Page 13 of 95, Clause 2.1.1 (i)(a)	“..Exchange rate prevailing on the last day of the respective <u>calendar</u> year”.	“..Exchange rate prevailing on the last day of the respective <u>financial</u> year”.
5	Volume III, Section VI, B. General Requirements, Page G-8 of 93, Clause 1.3.1	Clause 1.3.1 Major Plant and equipment to be evaluated along with the Bid:	This clause stands deleted and the manufacturer for Booster Pump facilities and SCADA (Hardware and Software) for Local Water Management Centre mentioned under this clause shall be evaluated as per clause 1.3.2.
6	Volume III, Section VI, D.O&M, PageOM-17, Clause1.8.5	The Operator will be authorized to apply the Water Bylaw and DJB regulations for the inspection and reconnection of the water service with due approval from DJB.	The Operator will be authorized to apply the Water Bylaw and DJB regulations for the inspection, disconnection and reconnection of the water service with due approval from DJB.
7	Volume IV, Location of Piles		A drawing No. P-225-3210-STD-DC-020 has been attached as Annexure II which shows tentative location of piles.
8	Volume V, Schedule of Price Adjustment Data	Table A	Table A has been replaced by Annexure-III.
9	Volume V, Clause 8, Supply of water by water tanker	Schedule OM-MISC	Schedule OM-MISC An item No.5 has been added to Schedule OM-MISC as Annexure-I

S.N.	Vol./ Section/ Page/ Clause	Reference or Original Text	Modified or Clarified as														
			<p>The conditions for water supply by Tanker will be as follows.</p> <p>(1) O&amp;M during Construction phase:</p> <p>(i) The current short supply area where DJB is supplying water, whether periodic or occasional, through Tankers</p> <p>(ii) Any water demand as ordered by DJB for public purposes such as public, social and religious functions.</p> <p>(2) O&amp;M during Post-construction phase</p> <p>(i) Any water demand as ordered by DJB for public purposes such as public, social and religious functions.</p> <p>(ii) Tanker water supply against complaints of short supply due to low pressure, poor quality of water, leakages, line bursts etc. shall be at the bidder’s own cost, and the bidder shall ensure free potable water supply through tankers to the respective area within 5 hours after receipt of complaint. This will be counted under Efficiency in redressal of Customer Complaints and will be considered under category ‘The total number of customer complaints redressed within 24 hours’</p>														
10	Volume V, Stage Payments (Payment Milestones), Page PB 17 of 170	-	<p><i>To be Added as follows:</i></p> <p>Payment milestones for Supply, Laying, Testing, Commissioning and Taking Over of MS and DI pipelines shall be as per Table below.</p> <table><tr><th rowspan="2">Milestone</th><th colspan="2">Payment %</th></tr><tr><th>Incremental</th><th>Cumulative</th></tr><tr><td>Against Supply of finished Pipes along with internal and external lining</td><td>65</td><td>65</td></tr><tr><td>Laying and jointing of Pipelines in field</td><td>20</td><td>85</td></tr><tr><td>Hydro-Testing, flushing,</td><td>10</td><td>95</td></tr></table>	Milestone	Payment %		Incremental	Cumulative	Against Supply of finished Pipes along with internal and external lining	65	65	Laying and jointing of Pipelines in field	20	85	Hydro-Testing, flushing,	10	95
Milestone	Payment %																
	Incremental	Cumulative															
Against Supply of finished Pipes along with internal and external lining	65	65															
Laying and jointing of Pipelines in field	20	85															
Hydro-Testing, flushing,	10	95															

S.N.	Vol./ Section/ Page/ Clause	Reference or Original Text	Modified or Clarified as								
			<table><tr><td>Disinfection &amp; Commissioning</td><td></td><td></td></tr><tr><td>Upon Issuance of Taking Over certificate</td><td>5</td><td>100</td></tr></table> <p>The payment against 1<sup>st</sup> milestone i.e 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 unlaid pipes doesn't exceed 10 Kms.</p>			Disinfection & Commissioning			Upon Issuance of Taking Over certificate	5	100
Disinfection & Commissioning											
Upon Issuance of Taking Over certificate	5	100									
11	Removal and disposal of existing MS, DI and CI pipes and resale scrap value	-	<p>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.</p> <p>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.</p>								
12	Volume-I/Section IV/ Page 28, 49 and 64-66, and Part I/ Page 3,	Form PM-Proposed Make	Delete entire Form PM								
13	Volume III/Section VI/Pages G-8&9	<p>Clause 1.3.1 Major Plant and equipment to be evaluated along with the Bid</p> <p>Clause 1.3.2 Specified Equipment/Goods/Products in the Form PM : Proposed Makes of Section IV:</p> <p>First paragraph: In case of the materials and products specified in Form PM: Proposed Makes, of Section IV, Volume II, the following general criteria for evaluation and requirements on selection of Makes shall apply at the</p>	<p>The contents of clause 1.3.1 is deleted and the subcontractor/manufacture for the specified items shall be done as per clause 1.3.2</p> <p>The First paragraph of Clause 1.3.2 shall be replaced by the following.</p> <p>The Makes for materials and products shall be proposed by the contractor prior to the execution. The following general criteria for evaluation and requirements on selection of Makes shall apply at the time of design / datasheet approval.</p>								

S.N.	Vol./ Section/ Page/ Clause	Reference or Original Text	Modified or Clarified as
		<p>time of design / datasheet approval.</p> <p>Clause (ii): For each Equipment/ Goods/ Products, the Bidder shall offer/propose 3 Makes and can choose any one of them at the implementation stage subject to DJB's approval.</p> <p>Clause 1.3.3: The bidder shall specify / propose 3 makes along with the bids.</p>	<p>Clause (ii) is deleted.</p> <p>This sentence is deleted.</p>
14	Volume II/ Section VIII/ Clause 13.5(b)(ii)/Provisional Sum/ page-8	A1 portion of 'a sum for contractor's overhead charges and profit shall be 10% of actual amount/paid	A1 portion of 'a sum for contractor's overhead charges and profit shall be 15% of actual amount/paid
15	Volume II/ Section VIII/ Specific Provision/ Capital Works/ Part B/ page-16	<p>Clause 1.15 Inspection and Audit by the Employer</p> <p>"The Contractor shall establish exclusive local bank account for the Project under direct operation of the Contractor's Representative or person appointed by the Contractor.</p> <p>The Contractor shall permit the Employer and/or persons appointed by the Employer to inspect the Contractor's accounts and records relating to the performance of the Contract and to have such accounts and records audited by auditors appointed by the Employer if required by the Employer."</p>	<p>Clause 1.15 Local Bank Account</p> <p>"The Contractor shall establish exclusive local bank account for the Project under direct operation of the Contractor's Representative or person appointed by the Contractor. The contractor shall permit the Employer and/or persons appointed by the Employer to inspect the Contractor's accounts and records relating to the performance of the Contract."</p>
16	Volume II/Section VIII/ Specific Provision/Capital Works/Part B/page-16	<p>Clause 13.3 (c) Variation Procedure</p> <p>(i) the appropriate rate or price in BOQ / Price Schedule (or similar work in the BOQ), or Delhi Schedule of Rate (DSR) 2016 (as the Base Date rate), with the</p>	<p>Clause 13.3 (C) Variation Procedure</p> <p>(i) the appropriate rate or price in BOQ / Price Schedule (or similar work in the BOQ), or current Delhi Schedule of Rate as available at the time of variation (as current price), with the</p>

S.N.	Vol./ Section/ Page/ Clause	Reference or Original Text	Modified or Clarified as
		reasonable adjustments in the Conditions of Contract, or	reasonable adjustments in the Conditions of Contract, or
17	Volume I/Section II /BDS 14.2/ Page-7	“highest”	“average”, a word highest has been modified as average.
18	Volume I/Section II/BDS 35.2/ Page-7		Form ELI 2 may be read as Form ELI 1.2
19	Volume I/Section IV/page 29	Letter of Technical Bid/item (f)	ITB 13.4 modified to ITB 13
20	Volume II/Section IX/Page-62 /Form Contract Agreement	Last sentence of point 2, “For the purpose of interpretation, the priority of the listed documents shall be in accordance with the above listed order”	This sentence is deleted
21	Volume II/ Section VIII/ Page 16/ Sub-Clause-Priority of document	Last Paragraph: If an ambiguity or discrepancy is found in the documents, the Engineer, Employer’s personnel and Contractor’s personnel shall determine any necessary clarification or instruction.	Delete “Employer’s Personnel and Contractor’s Personnel” from this sentence.
22	Volume II/Section VIII/Sub Clause 5.1/ Page 31		Delete the added contents of this sub clause
23	Volume II/ Section VIII/ Sub Clause 4.4/ Page 22	No amendment of this sub- clause	<i>Add the paragraph as below:</i> “In the Contract, “Specialist Subcontractor” means a subcontractor whose experience in the key activities was evaluated in the Technical Bid and is stated in the Contract. During the execution of the work, the Contractor shall not alter the composition without the prior consent of the Engineer.”



S.N.	Vol./ Section/ Page/ Clause	Reference or Original Text	Modified or Clarified as
24	Volume II/ Section VIII/ SP 14.16/ Page 48 & 49		<p><i>SP 14.16 is replaced by the following texts.</i></p> <p>In accordance with the Loan Agreement, following disbursement procedure shall be applied;</p> <p>(a) Commitment Procedure shall be applied to the foreign currencies payments. Letter of credit opening, extension, amendment, negotiation charges and maintenance charge will be borne by DJB. The contractor's bank charges and document discrepancy charges will be borne by the contractor.</p> <p>(b) Reimbursement Procedure shall be applied to local/ foreign currency payment.</p>
25	Volume II/ Section VIII/ Specific Provision/ Page 49		<p><i>Add the entire Sub-Clause 15.6 of JICA SBD as following:</i></p> <p>If the Employer determines, based on reasonable evidence, that the Contractor has engaged in corrupt, fraudulent, collusive or coercive practices, in competing for or in executing the Contract, then the Employer may, after giving 14 days notice to the Contractor, terminate the Contract and expel him from the Site, and the provisions of Clause 15 shall apply as if such termination had been made under Sub-Clause 15.2 [Termination by Employer].</p> <p>Should any employee of the Contractor be determined, based on reasonable evidence, to have engaged in corrupt, fraudulent or coercive practice during the execution of the work then that employee shall be removed in accordance with Sub-Clause 6.9 [Contractor's Personnel].</p>
26	Volume I/ Section II/ BDS/ Page-7	TB 14.1	ITB 14.1
27	Volume I/ Section III/ EQC/ Page-24	Clause 2.2.4 No.6 Tower Crane	No.10 Tower Crane

S.N.	Vol./ Section/ Page/ Clause	Reference or Original Text	Modified or Clarified as
28	Volume I/ Section IV/ Page-35 to 46	Form CON 2 to EXP-4.2(b)	‘Sub factor’ read as ‘EQC 2.1.2 Sub Factor...’
29	Volume I/ Section IV/ Page-53 Form TECH 4	Section 2 A), B), and C), D)	Delete ‘D)’
30	Volume II/ Section VIII/ Page-14	SP 1.1.6.13	This is changed to SP 1.1.6.12
31	Volume II/ Section VIII/ Page-41	SP 10.6	This is changed to SP 10.5
32	Volume II/ Section VIII/ Contract Data/ Page-9		Added New Sub Clause 18.2(d)  Conditions: The Maximum amount of deductible for insurance of the Employer’s risks is  Data: INR 1,00,000
33	Volume II/ Section VIII/ Contract Data/ Page-9	Clause 20.3 Appointment (if not agreed) to be made by: ‘FIDC or ICC to nominate members, or official’	Clause 20.3 Appointment (if not agreed) to be made by: ‘ICC’
34	Volume I/ Section II/ BDS/ Page-8	ITB 19.2(a) “...list of Scheduled Commercial Banks issued by Reserve Bank of India”	The Word “Commercial” is deleted.
35	Volume I/ Section II/ BDS/ Page-9		Added sub-clause ITB 25.8  The Employer will notify the unsuccessful bidder in writing after the award of the contract.

## Schedule OM-MISC (contd.)

Item No.	Description	Unit	Quantity	Rate		Amount	
				Local	Foreign	Local	Foreign
5	Supplying water by Tankers including arranging tankers along with its operating cost e.g. driver, helper, fuel. Tankers can be filled in with water at filling stations situated within the project area at UGRs etc.						
5.1	1 <sup>st</sup> Year of Contract (for 6 months only) excluding preparatory period	KL	300				
5.2	2 <sup>nd</sup> Year	KL	600				
5.3	3 <sup>rd</sup> Year	KL	600				
5.4	4 <sup>th</sup> Year	KL	600				
5.5	5 <sup>th</sup> Year	KL	600				
5.6	6 <sup>th</sup> Year	KL	300				
5.7	7 <sup>th</sup> Year	KL	300				
5.8	8 <sup>th</sup> Year	KL	300				
5.9	9 <sup>th</sup> Year	KL	300				
5.10	10 <sup>th</sup> Year	KL	300				
Total of this Schedule OM-MISC							



## Annexure -III

### Schedule of Price Adjustment Data

**Table A.: Local Currency**

a) Capital Works:

(a)	(b)	(c)	(d)	(e)	(f)
Index code	Index description	Source of index*	Base Value and Date	Bidder's related currency amount (INR)	Weighting
1	Nonadjustable	—	—	—	0.15
2	Labour	UAMM (Delhi)			0.212
3	Material	AIWPI	Calculated by "b) Further break-up of material"		0.595
4	Petrol, oil & Lubricant	AIWPI (Mineral Oils)			0.043
<b>Total</b>					<b>1.00</b>

Instructions:

- (i) The Bidder shall fill estimated amount in column (e).
- (ii) Amount of Index Code No.3 in Column (e) is equal to Total in "b) Further Break-up of Material." below.

b) Further break-up of material (to be as given below):

(a)	(b)	(c)	(d)	(e)	(f)
Index code	Index description	Source of index*	Base Value and Date	Bidder's related currency amount and (INR)	Weighting
3(a)	Cement	AIWPI (Manufacture of Cement, Lime and Plaster)			$0.595 \times [3(a) / \text{Total, in Column (e)}]$
3(b)	Steel	AIWPI (Mild Steel Long products)			$0.595 \times [3(b) / \text{Total, in Column (e)}]$
3(c)	Balance Material	AIWPI (All Commodities)			$0.595 - [3(a) + 3(b), \text{ in Column (f)}]$
<b>Total</b>					<b>0.595</b>

Instructions:

- (i) The Bidder shall fill estimated amount in column (e).
- (ii) The amount of Index Code 3 (a) and 3 (b) in Column (e), if seriously unbalanced between the Design, Index Code 3 (a) and 3 (b) in Column (e) and (f) shall be adjust based on the amount / quantity from the Design.

c) Operation and Maintenance:

(a)	(b)	(c)	(d)	(e)	(f)
Index code	Index description	Source of index*	Base Value and Date	Bidder's related currency amount (INR)	Weighting
1	Nonadjustable	—	—	—	0.15
2	Labour	UAMM (Delhi)			0.40
3	Material	AIWPI (....)			0.40
4	Petrol, oil & Lubricant	AIWPI (Mineral Oils)			0.05
<b>Total</b>					<b>1.00</b>

The Bidder shall fill in column (e).

Instructions:

- (i) The Bidder shall indicate the Source of Index of Material in column (c), from the index commodities in the AIWPI.
- (ii) The Bidder shall fill estimated amount in column (e).

Note “ \* ” are;

UAMM (Delhi): Minimum daily wage of an unskilled adult male mazdoor, notified by the Ministry of Labour.

AIWPI: All India Wholesale Price Index for all Commodities as published by Economic Advisor to Govt. of India, Ministry of Industry and Commerce

AIWPI(POL): All India Wholesale Price Index for Mineral Oils as published by Economic Advisor to Govt. of India, Ministry of Industry and Commerce

**JICA Assisted Delhi Water Supply Improvement Project in Chandrawal Water Treatment Plant Command Area (Loan ID-P 225)**

**Name of Work:** 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 3: Central Zone).

**NIT NO.:** 03 (2018-19) EE (PROJECT) W-II (Published on 29.12.2018)

**CLARIFICATION TO PRE-BID QUERIES**

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
1.	I	III	4.2 (b)	19	Network including Service Connection: Rehabilitation of existing distribution networks by targeting the reduction of NRW/UFW as per the DMA or Zoning concepts. The overall number of service connections of mini. 35000 or serving 175000 population of single contract.	We request you to amend the subject clause as mentioned below: Network including Service Connection: construction of new/Rehabilitation of existing distribution networks by house service connections of mini. 35000 or serving 175000 population of single contract.	As per Bid documents

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
2.	I	III	4.2 (b)	20	Design, Supply, installation, testing & commissioning of SCADA for water supply system; at least one contract should include transmission and distribution with managing more than one UGR/SR service a minimum 35000 number of service connections or 175000 population.	We request you to amend the subject clause as mentioned below: Supply, installation, testing & commissioning of SCADA for water supply system; at least one contract should include transmission and distribution with managing more than one UGR/SR service a minimum 35000 number of service connections or 175000 population.	As per Bid documents



S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
3.	I	III	4.2 (b)	20	O&M of water supply System with at least one contract including O&M of DMA/Zone based water distribution system in a project area serving a minimum of 35000 house service connections or 175000 populations for a minimum period of 1 year including DNP. Bidder should have experience in NRW/UFW reduction, customer meter reading in same or different projects.	We request you to amend the subject clause as mentioned below: O&M of water supply System with at least one contract including O&M of water distribution system in a project area serving a minimum of 10000 house service connections or 175000 populations for a minimum period of 1 year including DNP.	As per Bid documents

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
4	VOL-III	B. Gen. Rqmt.	5.24	G44	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 (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.
5	VOL-III	B. Gen. Rqmt.	11.6	G84	Relocation of utility lines/community utilities	If found during work it will be treated as Extra item. Please clarify for the same.	During execution of works, if some utilities/services are to be shifted, the bidder will pursue with the concerned department with the necessary assistance from DJB to get 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-147, Item 2).
6	VOL-III	B. Gen. Rqmt.	Clause No 11.4.2.1	G77	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.

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
7	VOL-V		S.No 3.1	22 of 170	<b>Temporary Works, Safety and Environmental Protection :</b> All Kinds of Temporary Works e.g. Access Roads, Diversion Roads, Store/yards, Utility Connections, Protection of existing Structures etc. as required	Unit is given in one Job as Lump sum. You are requested to clarify the Access Road length, location & width, length & location of diversion Roads, Size of Store/yards, Numbers & location of Utility connections, Types & material to be used for protection of existing structures etc.	Bidder may inspect the site to get the details on all of these aspects and of all method of construction (including temporary works) required as per the Bidder's proposal.
8	VOL-V		S.No 2.11	Page 29 of 170	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 periphery of the area...	Permission, Expenses & approval of cutting trees is 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.
9	VOL-V		S.No 12.2	Page 42 of 170	Installing Driven Pre Cast Reinforcement cement Concrete Piles	Please provide the location & complete specification for the same item.	Please see Corrigendum & Addendum.

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
10	VOL-V		S.No 1.6,1.9 & 1.10	Page 88 of 170	Rehabilitation of Existing UGR/ Pump House	<p>As we understand, please clear the following points :</p> <ul style="list-style-type: none"> <li>• Before starting the job, we have to check the Structure stability/NDT test &amp; life span of structure. If failed, client will take decision for the same.</li> <li>• Please provide the Existing drawings, list of works with specification for rehabilitation work.</li> </ul>	<p>1. Rehabilitation of UGRs shall be carried out by the bidder as provided in Volume –III, Section VI, Scope of Works (Sub-section 5 Scope of UGRs and BPSs civil works) and technical specification for civil works (Sub-section 10 Particular specification and clause no. 10.1.15)</p> <p>2. Bidder is requested to inspect the sites and get the details.</p>
11	VOL-V		S.No 3	Page 89 of 170	Design, Construction and/or Rehabilitation of all civil works at UGR & BPS complex other than mentioned under Sr. no. 1 and 2 above, including road, drainage, utilities, Master Control Station and landscaping etc. in the campus on DBO (Design, Build & Operate) basis as per the scope of works,	<p>As we understand, please clear the following points :</p> <ul style="list-style-type: none"> <li>• Before starting the job, we have to check the Structure stability/NDT test &amp; life span of structure. If failed, client will take decision for the same.</li> <li>• Please provide the Existing drawings, list of works with specification for rehabilitation work.</li> <li>• Distance &amp; location for debris disposal. Please clarify.</li> </ul>	As per bid documents.

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					specifications, approved drawings and other specified requirements. The work also includes for demolition and disposal (transportation and staking at places designated by DJB) of the existing structure's debris as required.		
12	VOL-V		PRICE BID S.No 6 , 7 & 8	15 of 171	<b>Work Items:</b> BOQ is tentative, which can increase or decrease in the actual condition. The Bidder should keep in mind this factor and quote his price accordingly.	Please provide percentage variation in BOQ quantity. If exceeded, there must be extra rate for the same. Please clarify.	As per Bid documents.
13		-			Site Investigation Reports	Kindly provide the soil Investigation report with Bore Log Data, Finish Ground Level & Floor Finish Level of UGRs, BPS, buildings etc.	As per bid documents.
14		-			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 Labour].

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
15		-			Extra Item	If extra item is added apart from BOQ from detail design. It will be paid extra. Please confirm.	<p>No extra item will be entertained in all design-build components of the BOQ, refer clause 10, Volume V, page 9. In case, the portion of works is designed by the Contractor, it shall be in accordance with GC sub-clause 4.1 (c).</p> <p>However, for the item rate basis component of BOQ, extra item will be considered as variation, if required. Variation shall apply as per GC Clause 13 [Variations and Adjustment].</p>
16		-			Existing Services	Please clarify the existing services above/below ground. If found this will be treated as extra item.	<p>As per S.No.5.</p> <p>As per Bid document</p>
17		Section VI	Cl.2.3.5 (1)	pg. 14 A- of 86	However the O&M of the Booster Pumping Station is required only till the new BPS is constructed and commissioned.	Is this clause applicable for the existing BPS at Hindurao, Idgah, Ramjas and Jhandewalan or the proposed BPS at Ridge road and Cantt-Palam-II or both. Will the O&M after commissioning be carried out by DJB	As per bid documents.

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
18		Section VI	Cl. 2.3.5 (1) and (3),	pg. 14 A- of 86	Sub-Cl. 1 states: - However the O&M of the Booster Pumping Station is required only till the new BPS is constructed and commissioned. Sub-Cl. 3 states. O&M of all the constructed works/facilities for 5yrs. After the construction phase i.e. from 6 <sup>th</sup> to 10 <sup>th</sup> yr. of contract period.	The two clauses seem contradictory. Kindly clarify.	As per bid documents.
19		Section VI	Cl. 2.4.1 & 2.4.2,	pg. 16 A- of 86	Sectional completion chart and contract period.	Construction/Rehabilitation and commissioning period of UGRs and BPS for clusters 1 to 3 should coincide with the respective cluster period. Please confirm.	As per bid documents.
20		Section VI	Cl. 1.3,	pg. 11 G- of 93	The works under this contracts will interface with the contract under other packages	Kindly Provide details on how the works under this contract will interface with the other packages.	As per bid documents.

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21		Section VI	Cl. 3.1,	pg. 21 G- of 93	All drawings are provided in volume IV of these Tender Documents.	Kindly provide the required drawings.	As per bid documents.
22		Section VI	Cl. 3.2,	pg. 21 G- of 93	The contractor shall note the constraint in terms of land available for the works.	Kindly provide the drawing referenced in this section.	As per bid documents.
23		Section VI	Cl. 11.4.1. 4	pg. 73 G- to G-77 of 93	Drawings of pipeline route	Please provide the drawings referenced in this section.	As per bid documents.
24		Section VI	Cl. 11.4.2. 3	pg. 78 G- of 93	In case of water supply being affected for more than a day, alternative water supply may be provided through mobile tankers.	Please clarify whether tanker supply will be in contractor's scope or DJB scope.	In the As per Bid documents. Refer to Corrigendum & Addendum also.
25		Section VI	Cl. 11.4.3,	pg. 79 G- of 93	....19 of the total 29 monuments are situated within a distance of 300m...	Please provide a list of these monuments.	Bidders may visit the sites to get the detail.



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26		Section VI	Cl. 2.3.3; 3(c),	pg. A-13 of 86	Proposal System	Please confirm that in case of KPIs cannot be met for Flagstaff and Jeetgarh command areas in absence of pumping, the KPIs for these areas will be relaxed or pumps, motors and appurtenances and pump house and associated structures will be paid extra.	As per bid documents.
27		Section VI	Cl. 2.3.3; 3(c),	pg. A-13 of 86, pg. A-45 of 86 and pg. A-65 of 86	Jhandewalan BPS	Please confirm that the <b>connection</b> between the UGR to be constructed under this contract and the pump house being constructed under a separate contract is not in scope of this contract. Please clarify <b>in which building</b> the control station will be built. Please specify the party responsible for <b>integration of SCADA of Jhandewalan BPS being</b> constructed under a separate contract and the SCADA under the present contract.	As per bid documents.
28		Section VI	Cl 1.1,	pg. M-5 of 50.	Codes of Practice	Please confirm that BIS codes where available can be used and prior consent of the engineer for this purpose is not required.	As per Bid documents.
29		Section VI	Cl. 1.9,	pg. OM-18 of 52	Jhandewalan UGR and BPS	Please confirm that only Jhandewalan UGR shall be under O&M scope of the present contract during the construction period.	As per Bid documents.

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30		Section VI	Cl. 1.10,	pg. OM-18 of 52	Jhandewalan UGR and BPS	Please specify when Jhandewalan BPS is to be taken over under the present contract. Please specify the responsible party in case of non- performance or unsatisfactory performance of Jhandewalan BPS during post construction O&M period. In view of the fact that the construction of Jhandewalan BPS is not included in the present contract	Jhandewalan BPS shall be taken over as soon as the works are completed and handed over by the other agency. Handing over of Jhandewalan BPS will be based on satisfactory performance only.
31		Section VI	Cl. 2.2,	pg. OM-41 of 52	KPI for water loss, definition of water loss in the distribution system.	Please clarify if 'D' denotes tanker supply from outside the project area to the project area or from the project area to outside the project area.	As per Bid documents.
32		Section VI	Cl. 2.2,	pg. OM-41 of 52	KPI for water loss, definition of water loss in the distribution system.	As water loss measurement will depend on measurement of water billed, please clarify how the inaccuracies of water meters which are not replaced will be taken into account while calculating billing and consequently, water loss.	As per Bid documents.
33		Section VI	Cl. 2.2,	pg. OM-41 of 52	KPI for water loss, definition of water loss in the distribution system.	15% water loss in latter half of the first year of post-construction O&M period is too stringent. Kindly consider progressive annual reduction of water loss from 40% in latter half of the first year of post construction O&M period to 15% in the latter half part of last year of post construction period.	As per Bid documents.

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
34		Section VI	Cl. 2.3,	pg. OM-43 of 52	KPI for continuity of supply	<p>Please specify the period from which this KPI will be applicable. Kindly consider progressive annual increase in the parameter 'Continuity of water supply performance from 80% in latter half of the five year of post construction O&amp;M period to 100% in the latter part of last year of post construction period.</p> <p>Please confirm that this KPI will not be applicable in case of shortfall of water below the cumulative demand for all UGRs as specified in the tender documents.</p>	As per Bid documents.
35		Section VI	Part 'B' Cl. 2.5,	pg. OM-45 of 52	KPI for quality of water supply	<p>Please supply water quality parameters specified for WTP outlet water. Please confirm that this KPI will not be applicable if water quality from WTP is not in conformity with water quality parameters specified for WTP outlet water.</p>	The parameters of WTP outlet water shall be as per IS: 10500.
36		Section VI	Cl. 1.8.3.3	OM-17 of 52	Reading meters through handled units.	Please clarify if DJB will provide the hand-held units.	Hand held units shall be arranged by the bidder itself.
37		Section VI	Cl. 2.6,	OM-46 of 52	KPI for quality of meter reading, billing and distribution efficiency.	<p>The software for generating the bills is to be supplied to the operator by DJB. Hence, Please confirm that this KPI will not be applicable in case issuing of bills is delayed due to software problems.</p>	As per Bid documents. However, the contractor shall be given access to the Employer's system enabling to perform the required jobs.

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38		Section VI,	Cl. 2.8	OM-48 of 52	KPI for functioning of water meters	Please confirm this KPI will not be applicable in case of willful tampering / damaging of water meter by the customer.	As per Bid document.
39		Section VI	Cl. 2.11,	OM-49 of 52	Target water loss at the end of the 5 <sup>th</sup> year (construction phase) shall be 14%.	This contradicts with Cl. 2.2 Kindly clarify.	This 14% water loss value is set for Distribution system. Rest 1% is allocated for the Transmission Main, thus totaling to 15%.
40		Section VI,	Cl. 2.11,	OM-49 of 52	This will be done on a cluster wise level	Kindly reconfirm this clause as construction works for cluster 2nd are not stipulated to start till the 3 <sup>rd</sup> year of construction.	As per Bid documents.
41		Section VI	Cl. 2.13,	OM-50 of 52	Power Guarantees	Please confirm that the power guarantee to be given is exclusive of the power consumption of Jhandewalan BPS.	Yes. Confirmed.
42		Section VI.	Cl. 2.13	OM-50 of 52	Power Guarantees	Please confirm the water quantity for which the power guarantees are to be given as the water supply to the area varies as per the table given on pa A-11 of 86 of section VI. Additionally, please specify the hours for which peak, average and lean flows are to be considered for calculating power guarantees.	Hourly and daily variations in water supply quantity won't affect to the Power guarantee figures as the same has to be given on annual basis (for each year) which completes a cycle.
43		Section VI	Cl. 2.14	OM-51 of 52	Penalties for non-deployment of specified minimum staff for O&M works.	Please confirm that the 'deficiency' in days will be counted beyond the allowable holidays and non-working days. Please confirm the period of nonworking days. Please confirm the period of non-attendance	As per bid documents.

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						of personnel between resignation of a staff and re-appointment of new staff.	
44		Section-III	Clause No. 3.2		Minimum average annual construction turnover of USD 34 Million calculated as total certified payments received for contracts in progress and/ or completed, within the last 5 financial years, divided by 5 years.	We understand that the annual construction turnover includes revenue from management of water and waste water projects. Please confirm.	Refer to Corrigendum & Addendum.
45	General				General	Kindly consider 100% owned Indian Subsidiary company of foreign company can use their global technical and financial experience of parent company to demonstrate the desired qualification, subject to the condition that the wholly owned subsidiaries shall obtain the letter of commitment from the parent company for technical and financial support and enclose the same in technical bid.	As per Bid documents.
46					2.3.5 Operation & Maintenance Activities part 2. O&M of constructed	Please confirm during construction when part of existing UGR is under construction how will manage water supply without complaint of short supply as storage	As per Bid documents.

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					facilities during construction phase.	capacity will less 40-50%.	
47					2.3.6 NRW reduction and customer services – 2. Provide the customer services during the entire 9.5 years of O&M period which will include, but not limiting to; the following	Please confirm addition to these points there is issue of rain water harvesting, who will manage complaint regarding RWH and issue RWH adequacy certificate?	RWH shall be taken care of by bidder.
48					2.4.1 Implementation schedule.	Completion target of cluster-wise not practical as all construction of new UGR work will be done on existing UGR without disturbing of existing supply. Our request to consider completion target in whole project in 5 years after award not cluster wise.	As per Bid documents.
49					2.4.2 Contract period and details sectional completion periods - transmission mains, BPS, UGR, and cluster 3 distribution systems 3 years of work award.	Our request to consider completion target in whole project in 5 years after not cluster wise as completion target of cluster-wise not practical as all construction of new UGR work will be done on existing UGR without disturbing of existing supply	As per Bid documents.
50					4.4.2 meter on public taps-they shall be metered. Community approach shall be	Who will formed caretaker committee. Meter box not in BOQ items so how bidder will fix meter box. Who will responsible for security of these meters.	The caretaker committee shall be formed by the bidder in consultation with engineer in

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					followed for metering public taps in which a caretaker committee shall be formed for each tap. These committee will be given responsibilities of protecting meter and reporting leakage or misuse of water. Suitable secure location shall be identified in consultation with the committee for meter installation and the meter shall be protected with a meter box.		charge. Meter box in this case shall be provided by the bidder. As per site requirement.
51					4.4.5 Meter testing wherever illegal connections are identified, the contractor shall immediately report to the engineer with details. The engineer in turn will inform to the O&M division of DJB to formalize or	Please confirm time line for disconnection by O&M division of DJB as this use of water directly impact of KPI.	Bidder shall disconnect the illegal connection within minimum possible time. Necessary assistance will be provided by DJB.

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					disconnect the connection.		
52					The water required for construction purposes shall be arranged by the contractor at his cost. The employer will not be responsible for any supply of water during construction phase and no time extension will be granted on account of non-availability of water.	Please clarify that DJB will provide approval for borewell for construction purpose or supply treated water free of cost.	DJB will assist in taking permission from concerned agencies for construction of borewell for this purpose. No treated water shall be made available free of cost.
53					Water supply by tankers- there can be areas or situation when water has to be supplied by the tankers as per the instruction of DJB. The operator shall give his rate for such services on per KL basis to be supplied by tankers during the entire contract period.	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.	Refer to Corrigendum & Addendum.



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					The quantity of water given in the BOQ is tentative, which can increase or decrease in the actual condition. The bidder should keep in mind this factor and quote his price accordingly.		
54					Construction of new UGR in all location	We understand that there is no space for new UGR, we have construct new UGR after demolish of existing UGR in part manner. Please clarify? If yes than how we will manage existing water supply when part UGR is under construction?	As per Bid documents
55					Rehabilitation of existing UGR & BPS	Please elaborate scope of work under this head as this is lump sum basis.	As per Bid documents.
56					Shifting if HOUSE SERVICES CONNECTION from existing to new pipe.	Please confirm that these HSC for 100mm nominal bore pipe or all dia pipes for purpose of price of strap saddle.	As per Bid documents.
57					HOUSE SERVICE CONNECTION	Please confirm house service connection item as per BOQ is including excavation will be paid in other BOQ items?	All petty works including excavation is included in the scope of house service connection.

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58					1.3.1 MDPE pipe for built connection	Please confirm the price to be quote is only for providing, laying and jointing MDPE pipe not for MDPE fittings will pay separately?	Pipes and fittings both are included.
59					Consumer meter	We presume that 100% meters will be replace with new meters, if not please clarify how the existing meter guarantee and accuracy of meter will be linked to the responsibility of contractor i.e. NRW.	As per Bid documents.
60					Consumer water meter	Consumer meter are warranty for 5 years, please clarify that replace of meter after warranty period DJB will pay as per BOQ items.	As per Bid documents.
61					4.0 CONSUMER METER TESTING	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 at its own cost.
62					Carriage / disposal of materials.	We understand DJB will provide space for disposal. Please clarify.	As per Bid documents. Refer to S. N. 4.
63					Existing payment terms: Approval of design/ drawing – 5% Supply: 60% Laying Joining: 20% Commissioning:10% Taking over : 5%	Request you to change the payment terms as per: Approval of design/ drawing-5% Supply: 65% Laying joining: 20% Testing & commissioning: 5% Taking over: 5% This is requested because contractor is submitting 10% PBG, which suffices for the project delivery and safety to employer.	As per Bid documents.

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						In all other states PBG is from 2-5%, in fact in DJB self-funded tenders its 5% only. The stringent payment terms will have unnecessary loading on final price. Request you to revised the payment terms.	
64					Existing payment terms Approval of design/drawing: 5% Completion of foundation: 20% Completion of 1/3 <sup>rd</sup> height: 15% Completion of 2/3 <sup>rd</sup> height: 15% Upon full completion of structure: 20% Upon completion of finishing work: 10/20% Upon Completion of water tightness test: 10% Upon taking over: 5%	Request you to change the payment terms as per: Approval of design/drawing-5% Completion of foundation:25% Completion of 1/3 <sup>rd</sup> height:15% Completion of 2/3 <sup>rd</sup> height:15% Upon full completion of structure:23% Upon completion of finishing work:10/15% Upon Completion of water tightness test:5% Upon taking over:2% This is request because contractor is submitting 10% PBG, which suffices for the project delivery and safety to employer. In all other states PBG is from 2-5%, in fact DJB self-funded tenders its 5% only. The stringent payment terms will have unnecessary loading on final price. Request you to revise the payment terms.	As per Bid documents.
65					The contractor shall be responsible for obtaining statutory clearances from all the relevant bodies	The payment and clearance in respect should be in scope of client, please confirm.	As per Bid documents.

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					(such as electrical inspector, factory inspector, explosive authorities etc.) Payment in respect of fee, deposit, etc, of such bodies is required to be made by contractor; supporting documents, if any required, shall be given by DJB.		
66					General	Kindly clarify the maintenance of bore well falling under project area if any if yes then who will provide tanker during shortage of water supply due to breakdown of bore well.	It shall be the responsibility of the bidder.
67					General	Please clarify that PZT test will carry out in existing DMA's if yes then there will be possibility to change the all existing sluice vale and which cost will be consider from O&M cost or what?	As per Bid documents
68					General	During the construction phase for existing network O&M who will be responsible for maintenance of consumer service connection from ferule to consumer meter in existing network?	It shall be responsibility of the bidder.
69					General	If consumer will not allow installing the operator's approved make water meters and wanted to install meter by themselves one of	DJB will help the operator/bidder in such a case.

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						the approved make of DJB. Please clarify the same in this regards.	
70					General query	Kindly clarify whether there is a provision of diesel generator during power cut in a pump house and other associated area, kindly confirms if yes who will supply diesel?	As per Bid documents.
71					General query	Please clarify that replacement of any existing equipment & spare is in the scope of DJB, kindly confirm.	No. Handing over to the contractor will be done in as it is condition.
72					General query	Please clarify that major maintenance is in the scope of DJB for existing assets, kindly clarify	No. All are in the scope of bidder.
73					General query	During the O&M period, the cost of electricity for costumer centers shall be paid by DJB, kindly clarify.	As per Volume II, Section VIII PC, SP B-2: Portion of Operation and Maintenance Works (Section 2), Clause 4.19 [Electricity, Water and Gas]
74					General query	We understand that all existing plant and machinery equipments are running smoothly in plant if any defect find in electrical, mechanical or in instruments equipment then who will be rectified, please clarify.	Bidder may visit the site to assess the status and conditions for themselves. The Plants shall be taken over by the bidder after the preparatory period on as it is condition, then all O&M works come under the scope of bidder.

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75					General query	Is GST applicable for operation and maintenance work kindly clarify.	Yes. As per GST Guidelines
76					Chapter 7 (package-3) O&M services, clause 1.6.5, O&M of solar energy system.	The operator will be responsible for the O&M of the solar energy system operator shall install energy meter is this item will payable.	It is in the scope of bidder.
77					Chapter 7 (package-3) O&M services, clause 1.8, customer services.	Training of DJB staff for customer care for six months of preparatory period. Is DJB will pay for the training and how many persons will get training.	As per Bid documents.
78					Chapter 7 (package-3) O&M services, clause 1.8.3.3, door step reading and billing.	For door step billing and reading, hand held device/ tablet with attached mini printer will require, kindly clarify, how many units required and who will purchase.(including software)	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.
79					Chapter 7 (package-3) O&M services, clause 1.10,BPS/UGR for operation during post-chlorination O&M period.	At present Cant Palam-1, Hasanpur and Talkatora BOS are being maintained by NDMC, Kindly clarify after award of contract, operator will maintained all three BPS/UGR of NDMC, kindly clarify.	These UGRs are presently being maintained by DJB hence they will be in the scope of work.

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80	III	VI		A - 10 of 86	GIS maps supplied by Employer	Please kindly clarify. It should be understood that Employer shall provide the existing GIS maps. We would like to know when employer shall provide them, and which formatted file or style (paper, AutoCAD, certain GIS software, etc.) are. Please kindly clarify whether the existing hydraulic model data, such as EPANET, is provided.	The exact format (Paper, AutoCAD) will be decided during execution.  Existing hydraulic model data will be provided for reference purpose only without assuming any liability on errors and omissions.
81	III	VI		OM - 49 of 52	Current NRW	Please kindly share the current NRW rate and water balance, such as standard IWA Water Balance, if it is possible.	As per Bid documents.
82	III	VI		A - 9 of 86	DMA information	We can understand that number of DMA and UGR area in this table. However we cannot clarify the relation of each DMA and UGR areas. Please kindly provide the distribution and/or district map for them. Also we would like to know the square meters of each DMAs.	As per Bid documents.
83	III	VI		(A-6 of 86), (A-13 of 86) (A-76~80 of 86)	Number of UGR and BPS	Regarding to the number of UGRs and BPSs, information of number for each table is different. Please kindly clarify the number of target UGRs and BPSs.	Details are as under 1. Newly construction of UGRs and BPSs- Ramjas, Ridge road and Cantt Palm II 2. Newly Construction of UGRs – Flagstaff, Jeetgarh, Jhandewalan, Talkatora,

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							Hasanpur 3. Rehabilitation of UGRs – Hindu Rao, Idgah, Cantt Palam I 4. Rehabilitation of BPSs – Hindu Rao, Idgah
84	III	VI		A - 83 of 86	UGRs + BPS UGRs with BPS UGRs	Regarding to table for UGRs & BPS Hardware, please kindly clarify the definitions of meanings for "UGRs + BPS", "UGRs with BPS" and "UGRs".	UGR+BPS and UGR with BPS are of same meaning, i.e. UGR having BPS for pressurized distribution. Where only UGRs written, that means there is no BPS. Only gravity flow occurs from the out-lets of those UGRs.
85	III	VI		(SG-6 of 69), (SP-31 of 31)	CMMS	Regarding to the CMMS, please kindly clarify the functional specifications. We can find out the philosophy, however there is no functional list, etc.	As per Bid document
86	III	VI	3.2	I 20 of 47 & I 21 of 47	The meter type must have had life cycle testing undertaken as part of meter pattern approval.	Water meters must possess a life cycle test certificate from FCRI, which an NABL accredited lab and has more years of experience in testing water meters. Please confirm	As per bid documents



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87	III	VI	3.2	I 20 of 47 & I 21 of 47	The meter type must have had life cycle testing undertaken as part of meter pattern approval. Typically this would have been achieved by means of an accelerated wear test as described in ISO 4064 part 3 or EC Directive 75/33.	Please note EC Directive 75/33 has been replaced by Measuring Instruments Directive commonly called as MID and is represented by valid CE marking on the meter .MID certificate and CE marking is earned by following testing as per latest ISO 4064 and OIML standards .Hence , Kindly replace EC Directive 75/33 with MID 2014 /32/EU	As per bid documents
88	III	VI	3.2	I 20 of 47 & I 21 of 47	All meters to be offered under this specification shall be multi jet dry magnetic type. Meters that have external calibrating devices are not acceptable.	As per IS 779 calibration device can be external. All Multiset meters by virtue of their design have external calibration. However it's not accessible without breaking meter seal .Hence kindly delete this clause.	Water meters shall be as per IS-779 /ISO4064, with ISI/IMD/Any International Certification mark.
89	III	VI	3.2	I 20 of 47 & I 21 of 47	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.	Water meters shall be as per IS-779 /ISO4064, with ISI/IMD/Any International Certification mark.

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						Kindly confirm.	
90	III	VI	3.2	I 20 of 47 & I 21 of 47	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.
91	III	VI	3.2	I 20 of 47 & I 21 of 47	The meter shall be supplied complete with a set of non-magnetic alloy connections	Couplings must be made up of the same material as that of the body as per IS 779. Kindly amend the clause accordingly to avoid water leakage issues from low quality couplings. Please confirm	As per bid documents
92	III	VI	3.2	I 20 of 47 & I 21 of 47	Each water meter shall be marked on the casing with the following information	Kindly include Model name and CE approval markings on the meter dial corresponding to the MID approval certificate. This will ensure supply of fair meters for accurate billing to customers. Kindly confirm.	As per bid documents
93	III	VI	3.2	I 20 of 47 & I 21 of 47	Each water meter shall be marked on the casing with the following information : Class B	Kindly accept Class B or equivalent R50 ratio for meters following MID /CE mark.	As per Bid documents.

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
94	III	VI	3.2	I 20 of 47 & I 21 of 47	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.
95	III	VI	3.2	I 20 of 47 & I 21 of 47	General	Since the scope of the tender includes water billing and reduction of NRW level. We strongly recommend installing Multijet AMR water meters which have proven performance in field for more than 5 years. Automatic meter reading will ensure no manual intervention during billing. Also AMR meters helps in analyzing consumer behavior, water leakages and reduction of NRW. Kindly confirm.	As per Bid documents.
96	III	VI	3.2	I 20 of 47 & I 21 of 47	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	As per Bid documents.

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
						to carry out Pre Shipment inspection. Kindly confirm	
97	III	VI	3.2	I 20 of 47 & I 21 of 47	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.
98	III	VI	3.2	I 20 of 47 & I 21 of 47	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 as well as the MID factory certificate. Kindly accept.	As per bid documents.
99	III	VI	3.2	I 20 of 47 & I 21 of 47	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.

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
100	III	VI	1.4.2		UGR for NDMC	As per tender documents 2 Nos new UGRs are to be constructed and 1 no. is to be rehabilitated in NDMC area. Please confirm whether O&M of these UGR's will also be in the scope of this tender.	These UGRs are being presently maintained by DJB hence they will be in the scope of work.
101	III	VI	2.3.2		Detailed Design works	As per tender only following components (New Construction and Rehabilitation of Existing) are to be executed under Design and Build basis. 1. Reservoirs (UGRs); 2. Pumping Stations (BPSs); 3. SCADA and Instrumentation For all other components like pipeline-Transmission & Distribution, the contractor has to do only Construction Activities (include supply, delivery, installation/erection, testing and commissioning as applicable). Kindly confirm the same.	As per bid documents.
102	III	VI	2.3.3(d)		Booster Pump Station (BPS)- Pump Duty parameters	The contractor is suggested to design and select the pumps based on the hydraulic year wise (2051/2036/2026) data. Please confirm if the pump capacity & head as given in BOQ is firm?	As per bid documents.
103	V	IV		Price bid	Supply of Water via Tankers	Tender talks about supply of water through water tankers & asks operator to give his rate for such service on per KL basis during the entire contract period. However, there is	Refer to Corrigendum & Addendum.

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
						no provision for the same in the BOQ provided with the tender document. Kindly update the BOQ accordingly.	
104			General		Permission	We assume all the permission from various agencies for executing the project will be taken before the commencement date, else achieving the constructional milestone as per the document would be impossible, kindly confirm.	Refer S. N. 5 & 8.
105			General		Electricity/Treated Water/Land	Please confirm that land to be used for setting up yards/stores/ Customer Service centre etc will be provided by the DJB free of cost. Also, the electricity & Treated water will be provided free of cost to the contractor	Land for setting up yards/stores/consumer service center etc. will be provided by DJB free of cost. However electricity and treated water shall be as per Volume II, Section VIII PC, SP B-2: Portion of Operation and Maintenance Works (Section 2), Clause 4.19 [Electricity, Water and Gas
106	V	IV		Price bid	Payment terms	Request you to change the Payment terms as per: Basic Engineering: 5% Supply: 65% Completion of Erection: 20 % Commissioning & successful Operation: 5% Taking Over: 5%	As per Bid documents

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
						<p>This is requested because contractor is submitting 10% PBG, which suffices for the project delivery and safety to Employer. In all other states PBG is from 2-5%, in fact in DJB self-funded tenders its 5% only. The stringent payment terms will have unnecessary loading on final price.</p> <p>Request you to revisit the payment terms.</p>	
107	V	IV		Price bid	Payment Terms-O&M	Similar to above query, 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.
108	II	VIII		Part A Contract DATA	Performance Guarantee	The tender calls for performance guarantee of 10 Percent of the value of Accepted Contract Amount. We would like to mention that the general practice followed by different municipalities across India for performance guarantee varies from 2.5% to 5% depending on the scale of project. Higher value of performance guarantee will unnecessarily get loaded in the final bid price. Hence in the interest of this project we would request you to reconsider performance guarantee percentages.	As per bid documents.

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
109	V	IV		Payment milestone	Upon Taking Over of the Works as per Contract Conditions	Please clarify Taking Over of the Works, we assume Taking Over of Works means Construction Work in Particular DMA is completed and DMA is under O&M.	As per Bid documents.
110	V	IV		Payment milestone	Stage Payment Milestones	Kindly confirm what DJB infers from "Upon Commissioning of the Full System at One Plant Site (e.g. one BPS, one UGR)". As per our understanding it is commissioning of individual unit e.g. BPS/UGR only. Kindly confirm	Yes. As per Bid documents.
111	V	IV		54 of 170	Schedule CW-TM, item no. 13.8, Pg. 54 of 170	We understand that cost of an Isolation valves will be included in the rate of each Air Valve. Kindly confirm.	Yes.
112	V	IV		74 of 170	Schedule CW-DP, item no. 17&18, Pg 74 of 170	Please bifurcate quantity of MS Pipe and Steel Cylinder Reinforced Concrete Pipes and special to enable us to quote applicable rates separately.	As per bid documents.
113	V	IV		81 of 170	Schedule CW-DP, item no. 31, Pg 81 of 170	Please allow use of DI flanged standard special & fittings instead of CI due to easy availability of DI Fittings.	D.I. Flanged standard specials and fittings are also allowed.
114	V	IV		85 of 170	Schedule CW-DP, item no. 36 & 38, Pg 85 of 170	We understand that cost of an Isolation valves will be included in the rate of each Air Valve. Kindly confirm.	Yes. Refer at serial No. 111
115	V	IV		99 & 104 of 170	Schedule DB-M, item no. 3.12 & 5.10, Pg 99 & 104 of 170	Please specify type of Electric hoist (Monorail or single / double girder crane.).	As per bid documents.



S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
116	III	VI	drawings		Drawings of existing UGRs / Pump houses	Please provide drawings of existing UGRs / Pump Houses to assess costs in order to make it functional.	Bidder may visit the site to get the details.
117			General		Use of VT pump	We understand that Vertical Turbine or Submersible pumps shall be a better option considering space and energy efficiency point of view. Whether HSC pumps can be substituted with VT / Submersible pumps? Kindly confirm	As per bid documents.
118	III	VI		M-17 of 50	Speed of Pumps, pg. M-17 of 50	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 as per requirement.
119	III	VI	4.5.2	M-31 of 50	Clause 4.5.2, Specification for Electrically actuated flow control Valve, pg. M 31 of 50	Please provide detailed specifications for Electrically actuated flow control Valve. As specification given in Section VI are inadequately brief.	As per bid documents.
120			general		Items not covered in BOQ	During execution of works if these are need of additional items for completion of that work and the same is not listed in the BOQ. We understand that the contractor will be paid as per the prevailing market rate of that item, kindly clarify.	As per bid documents. Refer to S.N. 15.
121	III	VI	2.4.1		2.4.1 Implementation Schedule -	Completion target of Cluster-wise not practical as all construction of new UGR work will be done on existing UGR without disturbing of existing supply which will	As per bid documents.

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
						require additional time. Our request to consider completion target in whole project in 5 years after award not Cluster wise.	
122	III	VI	4.4.5		Disconnection of meters by DJB	Tender states that Wherever illegal connections are identified, the Contractor shall immediately report to the Engineer with details. The Engineer in turn will inform to the O&M Division of DJB to formalize or disconnect the connection. Please confirm the time line in which DJB will do this disconnection as this use of water directly impact contractors KPI.	Refer to S.N. 51
123	III	VI			Efficiency in redressal of Customer Complaints	As per tender, the efficiency in attending the Customer Complaints other than revenue collection shall be addressed within 24 hours. Request you to categorize the customer complaints as every complaint will have different addressal timeline.	As per bid documents.
124			General		Penalty Liability	After going through the tender document, we didn't find any capping on the penalty liabilities towards contractor because of not meeting his KPIs. Uncapped liability is a huge risk for the contractor and the viability of the project. We request you to limit the liabilities.	As per bid documents.
125			General		Existing Asserts	There are many asserts like pipelines, meters etc that will be retained during construction phase. However, if the same are to be replaced during O&M period, how will be	As per bid documents.

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
						the contractor paid for the same. Kindly confirm.	
126			General		Reverification of Hydraulic model for pipeline	<p>As per NIT, contractor must re verify the existing hydraulic design for pipelines</p> <ol style="list-style-type: none"> <li>1. In case the design doesn't get verified, who will be responsible for the redesigning of the pipe network again?</li> <li>2. If contractor has to do the re designing part, how he will be paid for the same?</li> <li>3. Timeline will get affected with this redesigning. How the same will be accounted for the contractor's final project delivery timeline. Kindly confirm.</li> </ol>	<ol style="list-style-type: none"> <li>1. Bidder shall be responsible for the same.</li> <li>2. Nothing extra shall be paid for this work.</li> <li>3. The work has to be completed within a time frame as specified in the Bid document.</li> </ol>
127			General		AMR consumer water meters	<p>In order to serve the objective of NRW reduction in this project, it is necessary to have real time consumer water meter readings, which can be made possible with AMR metering.</p> <p>In a similar type of tender issued by DJB under ADB aid for the Wazirabad area having scope of DMA creation, water distribution system, house service connections etc., DJB is opting for 75% AMR meters and 25% non -AMR meters. In</p>	As per bid documents.

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
						<p>case some public resistance is observed for AMR meters the provision of non- AMR is kept.</p> <p>On similar lines, We request you to consider AMR metering for this project.</p> <p>Kindly confirm.</p>	
128	I	IV	EXP 5	48	EXP 5 Format of Certificates and Note VI for Bidders under eligibility Qualification Criteria	<p>We understand that EXP 5 format of Certificates to be self-attested and supported by the documents.</p> <p>Please confirm.</p>	<p>Yes. confirmed</p> <p>The certificate for the component certified by employer (end user) shall be required. If the certificate does not list all component required in Form EXP-5, EXP 5 format of certificates from the respective employer (End User) containing all the details shall be self-attested by the bidder.</p>

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
129	Additional query vide Letter No Dated JWIL/TEN_2018_DJB_JICA_Chandrawal/002. 29.01.2019					<p>Bid security requirement in this case is about 2% of the estimated price which is not the general practice followed by JICA for other tenders.</p> <p>Higher values of bid security will have its effect both in terms of limited participation in the tender as well as its financial loading in the final bid price.</p> <p>Hence in the interest of the project we request you to reconsider the bid security percentage. This will enable many bidders to participate and have healthy competition for the project.</p>	As per Corrigendum & Addendum.
130	Volume II & FIDIC	Section VIII / Part B, Specific provisions & General Conditions	14.4 & 14.9	47 of 68 & 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 documents

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
131	FIDIC & Volume V	General Conditions & Schedule of Price Adjustment Data	13.8 & Table A	44 & PB - 5 of 170	Adjustments for Changes in Cost	<p>We presume that items listed in Table A corresponds to the following coefficients of Price Adjustment formula Clause 13.8 - Adjustments for Changes in Cost of FIDIC “Conditions of Contract for Construction - For Building and Engineering works Designed by the Employer”</p> <p>a - Nonadjustable index  b - Labour index  c - Petrol, oil &amp; Lubricant index  d - Material index</p> <p>In line with the above, the indices Ln &amp; Lo, En &amp; Eo and Mn &amp; Mo from the formula corresponds to Labour ; Petrol, Oil &amp; Lubricant and Material categories respectively. Kindly confirm.</p>	Yes. Confirmed.
132	Volume I	Section IV	-	38 of 95 40 of 95 41 of 95 42 of 95	FIN - 3.1 FIN - 3.2 FIR - 1 FIR - 2	<p>We would like to bring to your kind notice that getting the 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 i.e. ( Form FIN 3.1, FIN 3.2, FIR 1, FIR 2) certified by Statutory Auditor / Chartered Accountant as being followed in contracts across India. Kindly confirm.</p>	Yes, it is acceptable.

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
133	Volume I	Section II	34.1	9 of 95	Source of Exchange rate	<p>As per the referred clause, “<i>The source of exchange rate shall be: the Reserve Bank of India (RBI).</i>”</p> <p><i>The date for the exchange rate shall be: 28 days prior to the date of Bids submission specified in ITB 22.1”</i></p> <p>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.</p>	The source of exchange rate shall be: Financial Benchmarks India Pvt. Ltd. (FBIL).
134	Volume V	Section IV	Schedule of Price Adjustment Data	6 of 170	Weightage of Material	<p>As per the referred clause, weightage for materials viz. cement and steel is to be considered as per Clause 14.1.3 (iii) and 14.1.3 (ii) respectively from DJB Conditions of Contract provided in their website <a href="http://www.delhi.gov.in/wps/wcm/connect/doit_djb/DJB/Home/Tender/">http://www.delhi.gov.in/wps/wcm/connect/doit_djb/DJB/Home/Tender/</a>.</p> <p>As there is no mention of weightages in the referred website for cement and steel, kindly provide the weightages for cement and steel so that the weightage of ‘3(c) Balance material’ shall be arrived as per the formula “0.467 – (weightage of cement and steel as calculated in 3 (a) and 3 (b) above</p>	As per bid documents. It is available on referred website

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						)". Please issue necessary amendments to this effect.	
135	Volume I	Section III & Section IV	2.1.1 & Bidding Forms	13 of 95	Exchange Rate date	<p>The referred clauses state, exchange rate for ‘<i>Construction turnover or financial data</i>’ and ‘<i>Value of Single contract</i>’ as ‘<i>prevailing on the last day of the respective calendar year</i>’ and ‘<i>prevailing on the date of the contract</i>’ respectively.</p> <p>In general, the audited statements of an Indian organisation is declared in the respective financial year (i.e., 01<sup>st</sup> April to 31<sup>st</sup> March), we request you to consider “<i>Exchange rate prevailing on the last day of the respective financial year</i>”. Kindly confirm.</p>	Yes, “last day of respective financial year”. Refer to Corrigendum & Addendum.
136	Volume V	Section IV	Schedule OM-PG	163 of 170	Power Guarantee	In the referred schedule, kindly provide the actual demand (MLD) from each pumping stations to enable the bidders to arrive at actual power consumption during O&M. Kindly consider.	As per bid documents.
137	Volume II	Section VIII	17.6	8 of 68	Maximum liability of the Contractor to the Employer	<p>As per the referred clause, “<i>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.</i>”</p>	As per Bid documents



S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
						We request you to consider Maximum total liability of the Contractor to the Employer as <i>Ten percent (10%) of the value of the Section 1 (Construction works) and Section 2 (O&amp;M works) in the Accepted Contract Amount respectively.</i> Kindly consider and confirm.	
138	Volume - II	Section VIII	4.19 c)	26 of 68	Water construction for	<p>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 &amp; erection of E&amp;M works done shall be made. The ferrule connection with the Employer main and the pipeline upto the site shall be 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 &amp; Erection of E&amp;M works. Kindly consider and confirm.</p>	As per Bid documents
139	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</p>	As per Bid documents

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies															
						done only if required by the Employer and at the cost of Employer. Kindly confirm.																
140	Volume III	Section VI	2.1.2	38 of 52	Payment Conditions for O&M	<p>From the referred table the payment condition for O&amp;M is as follows:</p> <table><tr><td>Category</td><td>Payment as % of O&amp;M cost</td><td>Remarks</td></tr><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></table> <p>We request you to consider the following ratio of Fixed and Variable fee as is being followed in other contracts across India:</p> <table><tr><td>Category</td><td>Payment as % of O&amp;M cost</td><td>Remarks</td></tr><tr><td>Fixed Payment</td><td>75%</td><td>The deduction will be applicable for non-deployment of</td></tr></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	As per Bid documents
Category	Payment as % of O&M cost	Remarks																				
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Category	Payment as % of O&M cost	Remarks																				
Fixed Payment	75%	The deduction will be applicable for non-deployment of																				

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required				DJB replies																										
								requisite staff as per tender document																												
						Performance Based Payment	25%	as per calculation against the KPIs																												
141	Volume III	Section VI	2.1.3	39 & 40 of 52	Target for KPIs and Payment Breakdown	Kindly consider the following Payment Breakdown : <table><tr><td rowspan="2">Sr. No</td><td rowspan="2">KPI</td><td colspan="2">Max. Payment as % of agreed O&amp;M Cost</td></tr><tr><td>Max. Payment as % of agreed O&amp;M Cost</td><td></td></tr><tr><td></td><td></td><td>As per Tender conditions</td><td>Proposed Breakdown</td></tr><tr><td>1.</td><td>Extent of Water Loss Total Water Loss (Transmission + Distribution Loss)</td><td>15%</td><td>10%</td></tr><tr><td>2.</td><td>Continuity of Water Supply (24 Hrs)</td><td>5%</td><td>5%</td></tr><tr><td>3.</td><td>Efficiency in redressal of Customer Complaint:</td><td>5%</td><td>3%</td></tr><tr><td>4.</td><td>Quality of Water supplied</td><td>5%</td><td>3%</td></tr></table>				Sr. No	KPI	Max. Payment as % of agreed O&M Cost		Max. Payment as % of agreed O&M Cost				As per Tender conditions	Proposed Breakdown	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%	As per Bid documents
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						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%	
142	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.				As per Bid documents
143	Volume III	Section VI	2.2	OM – 41 of 52	Reduction of Water Loss to Target Level and Control	As per the referred clause, “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” 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 per Bid documents

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies																																												
						as 20% or below in a stage wise manner. Please consider and confirm.																																													
144	Volume III	Section VI	2.2	OM – 43 of 52	Total Water Loss vs. Performance Payment as % of O&M cost	<div>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:</div> <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&amp;M Cost of the billing cycle)</th><th>Water Loss Rate</th><th>Performance Payment (as % of O&amp;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><tr><td>11%</td><td>19%</td><td>16%</td><td>14%</td></tr><tr><td>12%</td><td>18%</td><td>17%</td><td>13%</td></tr><tr><td>13%</td><td>17%</td><td>18%</td><td>12%</td></tr><tr><td>14%</td><td>16%</td><td>19%</td><td>11%</td></tr><tr><td>15%</td><td>15%</td><td>20%</td><td>10%</td></tr><tr><td>16%</td><td>13.5%</td><td>21%</td><td>9%</td></tr><tr><td>17%</td><td>12%</td><td>22%</td><td>8%</td></tr><tr><td>18%</td><td>10.5%</td><td>23%</td><td>7%</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%	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%	As per Bid documents
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)																																																
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12%	18%	17%	13%																																																
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14%	16%	19%	11%																																																
15%	15%	20%	10%																																																
16%	13.5%	21%	9%																																																
17%	12%	22%	8%																																																
18%	10.5%	23%	7%																																																

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required				DJB replies
						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.				
145	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 documents
146	Volume III	Section VI	2.5	OM – 45 of 52	Quality of Water Supplied	We would like to bring to your kind notice that the scope of water treatment plant is not envisaged in this contract.				Agreed and confirmed. However, any deterioration of water quality after inlet to the

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies												
						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	Transmission system shall be the responsibility of the Bidder.												
147	Volume III	Section VI	2.3	OM – 44 of 52	Continuity of Water Supply (24×7)	<div><div>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.</div><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&amp;M payment)</td><td>Continuity of water supply performance (B)</td><td>Payment payable to the Operator (As % of total agreed O&amp;M payment)</td></tr><tr><td>100%</td><td>5%</td><td>100%</td><td>5%</td></tr></table></div>	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%	As per Bid documents
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%																

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required				DJB replies
						From less than 10 to 96%	4%	From less than 10 to 96%	4%	
						From less than 9 to 92%	3%	From less than 9 to 92%	3%	
						From less than 9 to 88%	2%	From less than 9 to 88%	2%	
						From less than 8 to 84%	1%	From less than 8 to 84%	1%	
						From less than 8 to 80%	Nil	From less than 8 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%	
148	Volume III	Section VI	2.4	OM – 45 of 52	Efficiency in redressal of Customer Complaints	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.				



S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required				DJB replies
						As per tender conditions	Proposed conditions			
						‘Customer Complaint Redressal Efficiency’ Performance (C)	Payment payable to the Operator or (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%	
						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%	

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required				DJB replies								
						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%									
149	Volume III	Section VI	2.5	OM – 46 of 52	Quality of Water Supplied	<div>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.</div> <table><tr><th colspan="2">As per tender conditions</th><th colspan="2">Proposed conditions</th></tr><tr><td>‘Quality of Water Supplied’ Performance (D)</td><td>Payment payable to the Operator (As % of total agreed O&amp;M)</td><td>‘Quality of Water Supplied’ Performance (D)</td><td>Payment payable to the Operator (As % of total agreed</td></tr></table>				As per tender conditions		Proposed conditions		‘Quality of Water Supplied’ Performance (D)	Payment payable to the Operator (As % of total agreed O&M)	‘Quality of Water Supplied’ Performance (D)	Payment payable to the Operator (As % of total agreed	As per Bid documents
As per tender conditions		Proposed conditions																
‘Quality of Water Supplied’ Performance (D)	Payment payable to the Operator (As % of total agreed O&M)	‘Quality of Water Supplied’ Performance (D)	Payment payable to the Operator (As % of total agreed															

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required				DJB replies
							payment)		O&M payment)	
						From 100% to 99%	5%	From 100% to 99%	3%	
						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%	
150	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 documents

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required				DJB replies
						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 9 to 96%	3%	From less than 98 to 96%	1%	
						From less than 9 to 94%	2%	From less than 96 to 94%	0.75%	
						From less than 9 to 92%	1%	From less than 94 to 92%	0.5%	
						From less than 9 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 9 to 88%	-1%	From less than 90 to 88%	0%	
						From less than 8 to 86%	-2%	From less than 88 to 86%	0%	

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies																				
						<table><tr><td>From less than 8 to 84%</td><td>-3%</td><td>From less than 86 to 84%</td><td>0%</td></tr><tr><td>From less than 8 to 82%</td><td>-4%</td><td>From less than 84 to 82%</td><td>0%</td></tr><tr><td>Below 82%</td><td>-5%</td><td>Below 82%</td><td>0%</td></tr></table>	From less than 8 to 84%	-3%	From less than 86 to 84%	0%	From less than 8 to 82%	-4%	From less than 84 to 82%	0%	Below 82%	-5%	Below 82%	0%									
From less than 8 to 84%	-3%	From less than 86 to 84%	0%																								
From less than 8 to 82%	-4%	From less than 84 to 82%	0%																								
Below 82%	-5%	Below 82%	0%																								
151	Volume III	Section VI	2.7	OM – 47 of 52	Response Time for New Water Supply Connections	<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>‘Response Time for New Water Supply Connections’ Performance (F)</td><td>Payment payable to the Operator (As percentage of total agreed O&amp;M payment)</td><td>‘Response Time for New Water Supply Connections’ Performance (F)</td><td>Payment payable to the Operator (As percentage of total agreed O&amp;M payment)</td></tr><tr><td>100%</td><td>3%</td><td>100%</td><td>1%</td></tr><tr><td>From Less than 100 to 95%</td><td>2%</td><td>From Less than 100 to 95%</td><td>0.75 %</td></tr><tr><td>From Less than 95 to 90%</td><td>1%</td><td>From Less than 95 to 90%</td><td>0.5%</td></tr></table>	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%	As per Bid documents
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 No	Subject	Clarification Required				DJB replies								
						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%									
152	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 Bid documents								
						<table><tr><th colspan="2">As per tender conditions</th><th colspan="2">Proposed conditions</th></tr><tr><td>‘Functioning of Water Meters’ Performance (G)</td><td>Payment payable to the Operator (As percentage of total agreed O&amp;M payment)</td><td>‘Functioning of Water Meters’ Performance (G)</td><td>Payment payable to the Operator (As percentage of total agreed O&amp;M payment)</td></tr></table>				As per tender conditions		Proposed conditions		‘Functioning of Water Meters’ Performance (G)	Payment payable to the Operator (As percentage of total agreed O&M payment)	‘Functioning of Water Meters’ Performance (G)	Payment payable to the Operator (As percentage of total agreed O&M payment)	
As per tender conditions		Proposed conditions																
‘Functioning of Water Meters’ Performance (G)	Payment payable to the Operator (As percentage of total agreed O&M payment)	‘Functioning of Water Meters’ Performance (G)	Payment payable to the Operator (As percentage of total agreed O&M payment)															

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required				DJB replies
						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 %	
						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%	
153	Volume V	Section IV	SCHEDULE CW-P	PB 147 of 170	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 will be in accordance with GC and PC subclause 13.5. (also refer to the Volume V, page 9, Bill of Quantity A. Preamble Clause 8)
154	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 documents.

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
155	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.	As per Bid documents. Refer to the S. N. 15.
156	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 159 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. Refer to S. N. 15. If it is required, this shall be applied by GC clause 12 [Measurement and Evaluation], or GC 13 [Variations and Adjustments], depending on the issue.
157	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 documents.



S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
158	Volume III	Section VI	1.3.2	G – 7,8,9 of 93	Proposed Makes	Bidder has to furnish makes for each item in FORM PM: Proposed Makes. We understand that Bidder has to only mention name of make for each item in Form PM. The documentary evidence in support of criteria stated in Clause 1.3.2, Section VI, and Volume III has to be submitted at the time of design / datasheet approval during project execution stage and not at bidding stage. Kindly confirm.	Yes. The proposed makes should fulfil the general qualification criteria as per bid documents.
159	Volume III	Section VI	1.3.2 & 1.3.3	G – 7,8,9 of 93	Proposed Makes	As per referred clauses, Equipment/Goods/Products/Materials Manufacturer has to submit certificate from at least 3 end users stating that the product is in satisfactory operation from last 5 years (Z). In most cases, manufacturers are currently supplying equipment/Goods/Products/Materials to Contractors for projects and hence, obtaining certificate directly from end user by a Manufacturer is difficult. Therefore, we request you to delete this requirement of obtaining end user certificate to meet satisfactory operation criteria (Z) mentioned in said clauses. Kindly confirm.	As per bid documents.

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
160	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.
161	Volume I	Section II Bid Data Sheet	ITB 20.1	8 of 95	Bid submission	In the referred clause it is stated as <i>"In addition to the original of the Bid, the number of copies is four"</i> . We understand that the bidder needs to submit 4 (four) copies each of Technical Bid and Price Bid and duly initialed 1 (one) original purchased tender documents. Kindly clarify and confirm.	One set of documents consisting of purchased bid documents plus forms duly filled up and other documents prepared and annexed by the bidder, and all duly signed, sealed and stamped as original will make as the original set. Then 4 sets of the above documents shall be prepared by photocopying of them and marked as Copy no 1 to 4. Thus, there will be 5 sets of documents in total.
162	Volume I	Section II Bid Data Sheet	ITB 20.3	8 of 95	Bid submission	In the referred clause it is stated as <i>"Each page of bids should be consecutive page numbered and initialed by the person signing the Bid."</i> We understand that the copies need not be	Each page of all the copies of the bids should be consecutive page numbered, initialed and stamped by the person signing the bid.

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
						stamped and initialed, as the original Bid shall be stamped and initialed and the copy number shall be mentioned in the cover page of each copies of technical bid. Kindly confirm.	
163	Volume I	Section IV	-	32 of 95	ELI -1.2	We understand that the “Form ELI -1.1” is applicable for single entity bidders and “Form ELI -1.2” is applicable for bidders with JV partners. Hence, either of the forms shall be submitted as applicable. Kindly confirm.	Yes. Form ELI- 1.2 shall be filled up by JV members (other than lead) and/or the Specialist sub-contractor, as applicable.
164	General	-	-	-	Existing infrastructure	<p>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&amp;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.</p> <p>Also we would like to bring to your kind notice, it will difficult to maintain the water loss at 15% by integrating with existing works. Hence kindly allow bidders to reduce the water loss rate gradually from</p>	As per bid documents.

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
						the initial water loss envisaged or phase-wise to target water loss rate.	
165	General	-	-	-	Existing infrastructure details	<p>We request you to provide following details on existing infrastructure for our understanding:</p> <ol style="list-style-type: none"> <li>1. Diameter and MOC wise existing pipeline</li> <li>2. Capacity of existing UGRs</li> <li>3. Area of pumping stations and number of pumps including discharge, head, working and standby configuration and operating efficiencies.</li> </ol>	A lot of information is already provided in the Bid document. For more information, Bidder may visit the site to get the details as required.
166	Volume V	Section IV	B. Work Items	PB 16 of 170	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. Refer to Corrigendum & Addendum.
167	Volume III	Section IV	2.3.1.5	A-9 of 86	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</p>	As per bid documents.

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
						<p>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>	
168	Volume III	Section IV	2.3.1.6	A-9 of 86	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 documents.
169	General	-	-	-	Permissions licenses &	<p>We presume that the required right of access to the site, right of way and necessary area of land for temporary and permanent structures shall be provided to us by Employer with all permissions and clearances from defense, forest department, etc., and encumbrances free, including payment of necessary charges, depository</p>	Refer to S.N. 5 & 8.

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
						fees to all the authorities. Kindly confirm.	
170	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.	Refer to S.N. 5 & 8. Those are in accordance with GC sub-clause 4.13 [Rights of Way and Facilities], and 4.15 [Access Routs]. DJB will only issue letter to assist the same, if any required by the Contractor
171	Volume I	Section IV	-	91 of 95	Form AFF – Format of affidavit	In the “Form AFF – Format of affidavit” it is mentioned as “ <i>We are not in a financial restricting process under the Corporate Debt Restructuring (CDR) at submission of Bids.</i> ” We presume that it is a typographical error and that it should have been as Corporate Debt Restructuring instead of Corporate Debt Restricting. Kindly confirm and amend the form accordingly.	No change, the same as “ <i>Corporate Debt Restructuring (CDR)</i> ” in Form AFF.
172	Volume V	Section IV	8	PB 15 of 170	Water Supply by Tankers	As per the referred clause, “ <i>There can be areas or situation when water has to be supplied by the tankers as per the instructions of DJB. The Operator shall give his rate for such service on per KL basis to be supplied by tankers during the entire contract period.</i> ”	Refer to Corrigendum & Addendum.

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
						<p><i>The quantity of water given in the BOQ is tentative, which can increase or decrease in the actual condition. The Bidder should keep in mind this factor and quote his price accordingly."</i></p> <p>We would like to bring to your kind notice that there is no provision in the BOQ for water supply by tankers. Kindly include the same and issue necessary amendments.</p>	
173	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.	Refer to S.N. 5.
174	General	-	-	-	Damages during Utility Shifting	<p>Since the project is located in core urban area, it is likely that the utilities may be damaged without the knowledge of the contractor.</p> <p>We presume that any cost involved in rectifying the damages will be paid to the contractor at actuals. Kindly confirm.</p>	The contractor shall rectify at his own cost. No extra payment shall be made by the Employer on this account other than the costs and items allocated in the Price Bid.
175	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.
176	General	-	-	-	Auto CAD Drawing	Kindly provide the AutoCAD drawing indicating the plot area with contours as the provided drawing cannot be converted.	AutoCAD drawing can't be provided for bidding purpose. Bidder is requested to visit the

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
							site to get the details
177	Volume 3 Part A	Part A C1. Civil works	4.3.3	36 of 161	Concrete Mixes	As the scope of project is being spread over a vast area, we presume that the bidder is allowed to use mini concrete mixer with attached weigh batcher for mixing of concrete at site, which satisfies the required standards. Kindly confirm.	As per bid documents.
178	Volume 3 Part A	Part A C1. Civil works	4.4.2	38 of 161	Sand	Since the project consists of voluminous concrete works and the availability of river sand is increasingly 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 provisions. Kindly consider and confirm the same.	As per bid documents.
179	Volume 3 Part A	Part A C1. Civil works	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 documents.



S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
180	Volume 3 Part A	Part A C1. Civil works	10.1.3.6	149 of 161	Water Table	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 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.	As per bid documents.
181	Volume 3 Part A	Part A C1. Civil works	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 documents.
182	Volume 3 Part A	Part A C1. Civil works	10.1.6	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 documents.
183	Volume 3 Part A	Part A C1. Civil works	10.1.6n	151 of 161	Design	From the referred clause, we understand that the provided minimum thickness for different reinforced concrete members are	As per bid documents.

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
						indicative only and the bidder can furnish his own design (thickness) for economical design of structures. Please Confirm.	
184	Volume III	VI	10.1.6	C-152 of 161	Minimum thickness	In the referred clause states that “ <i>Minimum thickness of wall and base slab as 250mm</i> ”. We request you to allow the bidder to consider minimum thickness as per design requirement. Kindly confirm.	As per bid documents.
185	Volume III	VI	10.1.12	C-152 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 documents.
186	Volume 3 Part A	Part A B. General requirements	11.4.1.5	77 of 93	Waste Disposal	We presume that land required for Disposal of construction waste shall be provided to the contractor at free of cost and free from all encumbrances, clearances from all authorities including Municipal corporations, Forest department, Railways, NH etc. and including crop compensation to private land owners by the Employer. Kindly confirm.	Refer to S.N.4

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
187	Volume 3 Part A	Part A B. General requirements	11.4.1.5	77 of 93	Waste Disposal	We request you to kindly provide the lead distance to be considered by the bidder for the disposal of unutilized or unused wastes generated during construction period.	Refer to S.N. 4
188	Volume 5	Price Schedule Transmission Main & Distribution Pipeline	S. No 3 & 4	29 to 33 of 170 & 58 to 62 of 170	Pipeline works	We presume that civil quantities for anchor / thrust block, valve chambers, crossing of river / drainage / canals, culverts / bridges including pipe supporting pillars and special crossings along the transmission and distribution pipelines shall be paid under the referred price schedule items. Kindly confirm.	Yes
189	Volume 5	Price Schedule	S. No. 10.1.1 & 10.2	37 & 66 of 170	Good earth	From the referred BOQ item, we understand that the good earth refers to locally available earth near the site location and request you to kindly provide lead distance need to be consider by the bidder. Kindly confirm.	As per bid documents.
190	Volume 5	Price Schedule	S. No. 10.5 & 10.6	39 & 68 of 170	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 or Site store. Kindly confirm.	As per bid documents.

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
191	Volume 5	Price Schedule	S. No. 12.2	42 of 170	Precast Pile	We request you to provide the approximate depth per pile to be considered by the bidder. Kindly provide.	As per bid documents.
192	Volume 3 & Volume 5	Scope of works & Price Schedule	3.1.1 & S. No. 13.1	19 of 86 & 50 of 170	Trenchless crossing & HDD works road	As per the scope of the project, total length of trenchless road crossing for transmission main is 617m diameter ranging from 900 to 1400mm. Whereas, in price schedule trenchless road crossing (i.e., installation of steel product pipe by HDD method) has been mentioned as 461.69m diameter ranging from 1300 mm up to 1700 mm. Both the clauses are unlike; we presume that diameter and quantities specified in the BOQ is final. Kindly confirm.	Quantity given in BOQ to be considered.
193	Volume 3 & Volume 5	Scope of works & Price Schedule	3.1.5 & S. No. 32	22 of 86 & 81 to 83 of 170	Trenchless crossing road	As per the scope of the project, total length of trenchless road crossing for distribution main is 813m diameter ranging from 200 to 900mm. Whereas, in price schedule trenchless road crossing (i.e., installation of product pipe by pipe jacking & HDD method) has been mentioned as 712.71m diameter ranging from 280 mm up to 1000 mm. Both the clauses are unlike; we presume that diameter and quantities specified in the BOQ is final. Kindly confirm.	Quantity given in BOQ to be considered.

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
194	Volume 5	Price Schedule UGR and BPS	S.No 1 to 3	87 to 89 of 170	Demolition of Existing UGR/structures	The referred BOQ item states that the demolition of existing UGR/structures is in contractor's scope. We request you to provide the detailed drawings and tentative quantities for the same. Also, we request you to provide the disposal land and lead to be considered by the bidder. Kindly provide.	As per bid documents.
195	Volume 5	Price Schedule UGR and BPS	S.No 1 to 3	87 to 89 of 170	Rehabilitation of Existing UGRs and PH	The referred BOQ item states that rehabilitation of existing UGRs and PH is in contractor's scope. We request you to kindly provide the detail drawings and detailed scope of works. Kindly provide.	As per bid documents.
196	Volume 5	Price Schedule House Service Connection	S.No 2.2 to 2.5	136 to 137 of 170	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 2.2 to 2.5 under Schedule CW-HM, House connection and metering works. Kindly confirm.	Yes. Excavation, Bituminous road & CC road cutting, Backfilling are also part of this item.
197	Volume 3	Scope of works	4.4.1	37 of 86	House Service Connection	In the referred clause, it is 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,	The Bidder should endeavor to work with the minimum possible damages. However, any damage occurred in the premise of consumer would be the responsibility of the bidder

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
						Boundary wall and drainage system etc. shall be paid at actuals. Kindly confirm.	to restore the same to its original condition without any extra cost.
198	Volume 3	Scope of works	4.4.1	37 of 86	House Connection Service	In the referred clause, it is mentioned that <i>“In case of highly congested areas like walled city, 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 at S.N. 197
199	General	--	--	--	HSC Restoration Road	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.	Same as at S.No.196.
200	Volume 3	Scope of works	4.4.1	37 of 86	House Connection Service	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	Employer shall facilitate in such case.

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
						provide access for house service connections, which can lead to non-attainment of contractual milestone for no fault of contractor.	
201	Volume 3	Scope of works	4.3.10	33 of 86	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 is not available in the price schedule. Kindly include the same and issue necessary amendments.	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 (as specified in Corrigendum & Addendum) will be recovered from the payment of the Contractor.
202	Volume 5	Price Schedule House Service Connection	S.No 1.1	128 to 131 of 170	Depositing Dismantled Materials HSC	From the referred BOQ item, we understand that all the dismantled material of house service connection shall be deposited to the store of department, which is in contractor's scope. We request you to kindly provide the lead distance/location to be considered for depositing dismantled materials.	The department stores are situated within the project area.

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
203	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 documents.
204	Volume 5	Price Schedule	9.7 & 9.8	36 of 170 & 66 of 170	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.
205	Volume 5	Price Schedule Provisional sum	3.3 & 4.5	147 & 148 of 170	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.	Such information is not available and mayn’t be necessary for the bidder for bidding purpose as the same falls under provisional sum schedule.
206	Volume 5	Price Schedule Provisional sum	3.1 & 3.2 & 4.1 to 4.4	147 & 148 of 170	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 to be considered by	This is a provisional sum item. Refer to S.N. 153 for more clarity.



S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
						the bidder.	
207	Volume III PKG 3 Part A	Section VI Work Requirements, Scope of Work	1.4.2	A-6 of 86	Population	<p>In the referred clause population details for 2011 &amp; 2021 has been given. We understand that 2021 to be considered as design year. Kindly confirm.</p> <p>Also we request you to kindly provide us with Intermediate design year &amp; ultimate design year and their corresponding populations.</p>	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.
208	Volume III PKG 3 Part A & Volume V PKG 3	Section VI Work Requirements, Scope of Work & Section IV Price Bid	1.4.2 & 1	A-6 of 86 & PB - 87 of 170	UGR	<p>In the referred clause Rehabilitation of 3 UGR of Capacity 1.7 ML to 21.6 ML has been mentioned for Package 3 (Central). We request you to kindly provide us with break up details of UGR according to capacity and location wise.</p> <p>Also, as per the referred Clause in BOQ, 2 Nos. of UGRs are to be rehabilitated, whereas as per Clause 1.4.2 in the Volume III (Page A-6 of 86), 3 Nos. of UGRs shall be rehabilitated.</p> <p>Kindly confirm the Nos. of UGRs to be rehabilitated.</p>	<p>As per Bid document.</p> <p>Refer Volume V, Schedule CW-DB-C and CW-DB-M</p>
209	Volume III PKG 3 Part	Section VI Work Require	1.4.2	A-6 of 86	BPS (Construction of New Pumping Station)	In the referred clause construction of 3 new pumping stations for package 3 has been mentioned. We request you to kindly provide the following details for each	As per Bid document.

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
	A	ments, Scope of Work				pumping station: 1. Location of Pump house 2. Capacities of pumping machinery for each pump house 3. Working & Stand by configuration to be considered.	
210	Volume III PKG 3 Part A	Section VI Work Requirements, Scope of Work	1.4.2	A-6 of 86	BPS (Rehabilitation of Pumping Station)	In the referred clause rehabilitation work of 2 pumping station has been mentioned for package 3 (central). We request you to kindly provide the details of rehabilitation to be done for these pumping stations.	As per Bid document.
211	Volume III PKG 3 Part A	Section VI Work Requirements, Scope of Work	1.4.2	A-6 of 86	BPS (Installation of Booster pumps for Distribution Systems)	In the referred clause 24 Nos. (3KW to 200 KW) of Distribution pumping station has been given. We request you to kindly provide us with breakup details of each booster pumping station according to their location, capacities & configuration to be considered.	As per Bid document.
212	Volume III PKG 3 Part A	Section VI Work Requirements, Scope of Work	2	A-11 of 86	Booster pump station & Power Guarantee	In the referred clause duty points for pumps with peak, average and lean variation has been given for year 2026, 2036 & 2051. We understand that pumping machinery is to be selected based on 2036 duty parameters. Kindly confirm.  Also in the same clause different pump duty	As per bid documents.

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
						parameters has been indicated for Peak, Average and lean flow. We request you to kindly confirm the flow to be considered for calculation of electrical load for power guarantee.	
213	Volume III PKG 3 Part A	Section VI Work Requirements, Scope of Work	3.1	A-18 of 86	Scope of Works - Pipeline	In the referred clause it is mentioned that <i>“Scope of work under this contract package is spread over 8 UGR command areas with 78 newly proposed DMAs within those UGR command areas. Exclusions are in 3 UGR command areas namely, Talkatora, Cant Palam Phase I and Hasanpur, whose distribution network is operated &amp; maintained by NDMC. We understand that Distribution network and DMAs for 3 UGR command areas namely Talkatora, Cant palam Phase I and Hasanpur is not our scope of Work. Kindly confirm.</i>	Yes. Confirmed.
214	Volume III PKG 3 Part A	Section VI Work Requirements, Scope of Work	3.2	A-24 of 86	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).” We presume that any variation in pipe quantities expected during conditional assessment of existing pipes / change in alignment during actual execution shall be payable at actuals. Kindly confirm.</i>	Yes. Confirmed.

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
215	Volume III PKG 3 Part A	Section VI	3.1.2 / 3.2.1	A-19 of 86 / A-25 of 86	Distribution Pipelines from UGR to inlet of DMAs	In the referred clause 3.1.2, it is mentioned that pipe size from 700 to 1000 mm shall be MS. However in clause no. 3.2.1 pipe diameter of 700 mm has been considered as DI. We presume that pipe size and material as indicated in clause 3.2.1 is correct. Kindly confirm.	As per bid documents.
216	Volume III PKG 3 Part A	Section VI Work Requirements, Scope of Work	2	A - 11 of 86	Booster Pumping Station	In the referred clause for Hindurao pump house 2 sets of pump has been given as Hindurao distribution 1 & Hindurao distribution 2. We understand for the same pump house two different sets of pump are to be installed. Kindly confirm.	As per bid document.
217	Volume III PKG 3 Part A	Section VI Work Requirements, Scope of Work	3.1.8	A - 23 of 86	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 documents.
218	General	-	-	-	Existing UGR	As per our understanding the existing UGRs at 8 location namely: ➤ Jhandewalan ➤ Flag Staff ➤ JeetGarh ➤ Ramjas ➤ Ridge Road	As per bid documents. Refer to S.N. 83.

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
						<ul style="list-style-type: none"> <li>➤ Cantt Palam- I&amp;II</li> <li>➤ Talkatora</li> <li>➤ Hasanpur</li> </ul> Shall be demolished and reconstructed at the same location of the given capacity in BOQ. Kindly confirm.	
219	Volume V	Schedule -1	-	-	Topographical survey and Consumer Survey	We request you to include provision for Consumer Survey and Topographical survey in BOQ and issue necessary amendments. Kindly consider.	As per bid documents.
220	Volume V	Schedule -1	Item 5.1(c)	6 of 52	DI Specials	Specials are categorized as “above 600” and “below 600”. Kindly provide Diameter wise split up for DI Specials.	As per bid documents.
221	Volume III PKG 3 Part A/BOQ Schedule CW-DB-M	Section VI Work Requirements, Scope of Work	2/ Item A	A-11 of 86 & PB 92-170	Booster pump station	In the referred clause of Volume III different pump duty parameters for year 2026, 2036, 2051 with peak average and lean demand has been given. However for the same pump houses in BOQ Schedule CW-DB-M different pump duty parameters has been given. Kindly clarify the pump duty parameters to be considered either as per BOQ or Volume III clause 2.	As per Bid documents
222	Volume III PKG 3 Part	Section VI Work Require	2	A-11 of 86	Booster pump station	Kindly provide us with hours of operation for all pumping machinery.	As per bid document.

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
	A	ments, Scope of Work					
223	Volume III PKG 3 Part A & Volume V	Section VI Work Requirements, civil works & Schedule -1	9.2 & 12.10	C-80- 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 documents.
224	Volume III PKG 3 Part A	Section VI Work Requirements, civil works	Table	C-116 of 161	Pressure Reducing Valve	As per the referred table, Pressure reducing valve has to be provided for distribution network within DMAs. However, there is no BOQ provision for such requirement. We request you to include the same in the BOQ and issue necessary amendments.	As per bid documents.
225	Volume V	BOQ Schedule 1	1.1 & 1.2	-	House connection service	As per the referred clause in BOQ, the House service connection doesn't specify about the ferrules / Hexagonal nipple in tapping saddle. Kindly clarify and add the requirement of ferrule/Hexagonal Nipple in the BOQ if required and issue necessary amendments.	As per bid documents.

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
226	Volume V	BOQ Schedule 1	1.4	-	Brass stop cock & Full way stop valve	As per the referred clause, 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.
227	Volume V	BOQ Schedule 1	1.3	-	MDPE pipe for bulk connection	As per the referred clause, the connection of MDPE pipe with the distribution pipe is not clear. Kindly specify the tapping provision (like Saddle and Ferrule) to be considered for Bulk connections.	As per bid documents.
228	Volume V	BOQ Schedule 1	13.2, 13.7, 34,35,1.2	-	Dismantling Joints	As per the referred clauses, 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.
229	Vol-III Section VI	SUB-SECTION 6 Scope of Electrical Works	6	A - 50 of 86	SLD	<p>As per the referred clause <i>“The entire Electrical works at Booster Pumping Station and UGR complex are to be executed on Design and Build basis by the Contractor based on the scope of works, technical specifications, SLD and other drawings provided in the Bid documents.”</i></p> <p>We would like to bring to your kind notice that SLD is not provided in the tender documents.</p> <p>Kindly furnish the SLD / Electrical Scheme drawing for understanding the battery limit</p>	As per bid document. Refer Volume IV-Drawings.

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
						& scope of work.	
230	Vol-III Section VI	SUB-SECTION 5 Solar Power System	5.1 – (e)	E -31 of 79	Solar Power System	<p>As per the referred clause “<i>when the generated power is exceeded the power of the load of the plant, the solar power shall be supplied reverse to the grid of the electricity company</i>”</p> <p>With respect to the above stated clause, kindly clarify the following points for the selection methodology of solar installations.</p> <p>a) The average solar light availability as per Indian meteorological department is not found for the proposed location in the NIT. Kindly furnish the same for designing and selection of the Solar panel &amp; solar energy production.</p> <p>b) Whether solar installation shall be for full load or in the free area of the proposed plant (Minimum rating as per BOQ) irrespective of the load requirement.</p> <p>If it is for the utilization of free space &amp; power generation kindly furnished</p>	<p>a) The average solar availability for Delhi shall be considered as per Guideline of Ministry of New and Renewable Energy (MNRE) Department.</p> <p>b) Solar system will be installed on available space at Roof Top of Reservoir.</p> <p>c) Bidder has to install as per design requirement.</p>



S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
						<p>the proposed are layout for Solar power design &amp; estimation.</p> <p>c) As per the referred clause in case of excess power generation then requirement solar power shall be supplied power reverse to the grid.</p> <p>Hence its presumed that the proposed Transformer shall be suitable for Bi-directional power flow (Step Up &amp; Step down).</p> <p>Kindly confirm the same.</p>	
231	Vol-V	Section IV	SCHEDULE OM-PG	PB - 163 of 170	Power Guarantee	<p>From the referred clause, we understand bidder has to provide power guarantee sheet for only newly installed pumps/system in SCHEDULE OM -PG with Separate sheets for each year starting from 6th year to 10th year. Also kindly clarify whether to consider year wise Depreciation of pump / Motor efficiency for power calculation.</p> <p>If power guarantee for existing pumps are to be given by bidder, kindly clarify the following:</p> <ol style="list-style-type: none"> <li>1. Pump duty parameters of existing pumps.</li> <li>2. Working and Standby configuration</li> <li>3. Working hours.</li> <li>4. Operating efficiencies.</li> </ol>	As per bid documents.

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
232	Vol-III Section VI	Section VI	7.4.19 Power Factor Correction -B	E -44 of 79	No Compensation load	As per the referred clause, “ <i>Static capacitors for No - Load losses shall be installed.</i> ” However static capacitor is not provided in the BOQ. Kindly include the same and issue necessary amendments.	Bidder has to consider Static capacitor as part of Main panel.
233	General	-	-	-	Power charges	We understand the electricity power charges will be paid by the employer for the complete O&M period including existing & newly installed system.	As per bid documents.
234	Vol-III Section VI	Section VI	5.1 General	E -45 of 86	Existing pumps	Kindly provide the details such as year of installation, efficiency of pumps/motors installed in Hindurao and Idgah Pumping stations.	Bidder may visit the site to get the details.
235	VOL V PKG-3	SCHEDULE CW-DB-S&I Design-Build: All SCADA & Instrumentation Works	B. At 10 UGR & 6 BPS	PB - 123 of 170	Requirement of Booster pumping station	As per the referred clause, 6 nos. BPS is mentioned. Whereas, as per (Item no. 1.21) only 5 nos. Redundant PLC system is provided. Both clauses are unlike. Kindly clarify and confirm the Booster pumping station quantity.	Since Jhandewalan booster pumping station is excluded from this scope of work, 5nos. Redundant PLC as per detail at 1.21 are to be provided.

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
236	VOL V PKG-3	SCHEDULE CW-DB-S&I Design-Build: All SCADA & Instrumentation Works	B. At 10 UGR & 6 BPS Item no. 1.28	PB - 123 of 170	Requirement of UPS at UGRs	As per the referred clause, Redundant UPS is to be provided for UGR locations. But, Non-redundant UPS will be sufficient since the load capacity is very less. Kindly allow us to consider non-redundant UPS for UGR application.	Being part of an essential service, Redundant UPS are required.
237	VOL V PKG-3	SCHEDULE CW-DB-S&I Design-Build: All SCADA & Instrumentation Works	C. At 78 DMAs with 103 Inlets Item no. 1.31	PB - 124 of 170	Requirement of UPS at DMA	As per referred clause, kindly clarify and confirm the following: I. Power supply availability at DMA inlet/ lowest pressure points (230 V AC/ 415 V AC). II. Non-redundant UPS with IP 21 protection class will be sufficient for DMA application.	I. As the whole Pkg-3 is in Delhi residential areas, Power supply is available, but contractor has to arrange the same from electric supply agencies at his own cost. II. As per bid documents

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
238	VOL V PKG-3 & VOL 3 PKG-3 Part A	Section IV	3. & 8.1	PB - 125 of 170 & A 80 of 86	Requirement of Electromagnetic flow meter	As per referred clause (VOL V), 18 nos. of Electromagnetic flow meter is to be provided. Whereas, as per referred clause 8.1 (VOL 3), 19 nos. of Electromagnetic flow meter is to be provided. Both clauses are differing. Kindly clarify and confirm the quantity of Electromagnetic flow meters.	Electromagnetic Flowmeters quantity shall be as follows. 150mm X 1 no. 200mm X 1 no. 300mm X 2 nos. 400mm X 5 nos. 500mm X 1 no. 600mm X 3 nos. 700mm X 2 nos. 800mm X 2 nos. 900mm X 2 nos. 1000mm X 1 no. Note: DJB through its separate contract may install flow meters in the UGRs/BPS under this contract. If so, the above quantities & sizes may vary accordingly and thus payment shall be made as per actual meters installed by the bidder.
239	VOL V PKG-3	SCHEDULE CW-HM House Connection and	3.0 CONSUMER METER	PB - 138 of 170	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

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
		Metering Works	Item no. 3.2				
240	VOL V PKG-3	SCHEDULE CW-HM House Connection and Metering Works	3.0 CONSUMER METER Item no. 3.4	PB - 138 of 170	Requirement of multipath ultrasonic type flow meter	As per referred clause, we presume that 2 path sensor ultrasonic clamp-on type flow meter to be provided. Kindly clarify and confirm.	Electromagnetic Flow meters shall be provided as per specification given in Vol. III. Section VI, C5 – Instrumentation.
241	VOL 3 PKG-3 Part B	SUB-SECTION 3. ZONAL SCADA AND CENTRAL CONTROL ROOM EQUIPMENT	3.1 General	SG - 20 of 69	Requirement of Automation System Architecture	As per the mentioned clause, system architecture drg. no. P-225-225-S-SD-001 to be referred. Whereas, the system architecture is not available in the tender document. Kindly provide the Automation System Architecture for our reference and better understanding.	Please refer System architecture drawing no. P-225-325-S-SD-001.
242	VOL V PKG-3	-	-	-	Construction of Control room	Provision for Construction of Zonal SCADA control room, UGR/BPS control room, DMA/lowest pressure point location RTU/control room is not provided in the BOQ.	Construction of all Control Rooms including Zonal Control Room, is part of Civil works drawings Which will be done as BOQ item.

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
						Kindly include the same and issue necessary amendments.	For DMA /RTU, refer Volume-V, Section-IV and page PB-124 of 170. Location shall be decided during detailed engineering.
243	VOL V PKG-3	-	-	-	Requirement of Flowmeter chamber	Provision for Construction of chamber is not available for Electromagnetic flowmeter and Woltmann bulk flow meter is not provided in the BOQ. Kindly include the same and issue necessary amendments.	As per bid document
244	Volume III & Volume V	Section 6 & Section IV	7.1 & SI. No 2.13	M 50 of 50 & 97 of 170	Electro chlorination system locations	As per referred clause 7.1 states that, <i>“The chlorination system to be provided at the proposed locations of JHANDEWALAN and CANTT PALAM – II.”</i> Whereas as per Price Bid SI. No 2.13 mentioned as <i>“suitable capacity of Electrochlorinator to be provided at CANTT PALAM – II only”</i> .  Both the clauses are unlike and there is no provision of cost for JHANDEWALAN location in the Price BOQ. Kindly confirm whether the chlorination system to be provided for JHANDEWALAN. If yes please include the same in the BOQ and issue necessary	1. Suitable capacity of Electrochlorinator shall be provided at CANTT PALAM – II only”. 2. Electrochlorinator at Jhandewalan will be taken care by DJB/separate contractor.

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
						amendments.	
245	Volume-III	Section-VI	1.12 & 1.13	24/52	Staff to be deployed for O&M	We understand that the minimum manpower mentioned is just a guideline and that the contractor is free to choose the required manpower for ensuring optimum level of functioning. Kindly confirm.	No, the Contractor must provide minimum manpower as specified.
246	Volume-III	Section-VI	Sub-section-1.L	5/52	Old Assets/ Existing Assets	We understand the any replacement/Spare required for attending break down of any existing system and equipment's during O&M Period will be reimbursed extra at actual to the bidder. Please clarify.	No. All those costs must be included in the bid.
247	II	VIII	2.1	6 of 68	Right to Access	It is our understanding that the Right to Access of the site is a condition precedent for commencement of the Work. Please confirm.	No. The date of commencement of the Work is the date of Notice of Commencement. (refer to the PC sub-clause 8.1).
248	II	VIII	8.1	34 of 68	Commencement of Works	There is a new sub-clause (e) that is added which states that " <i>each Sub-Section under the Section 1 shall be <b>executed</b> by</i> "- It is our understanding that the meaning of the word executed is to be interpreted as " <b>completed</b> ". Please confirm.	The word "Executed" is meant for "Commencement".

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
249	II	VIII	8.1	34 of 68	Commencement of Works	If the meaning of executed <b>is to be interpreted as completed</b> , it is in contradiction with the Time for Completion (Sub-clause 1.1.3.3) provided in the Table: Summary of Sections (Part A). Kindly confirm whether the time for completion of the works is as per the Table of Summary.	Refer to S.N. 248. The Time for Completion of each sections are specified in the Table of Summary of Sections, Part A - Contract Data in Section VIII PC
250	II	VIII	2B	11 of 68	Table Summary of Events	It is our understanding that “Agency” referred to in this section is the Contractor. Please confirm.	Yes
251	II	VIII	2B	11 of 68	Table Summary of Events	Kindly charge an amount in case of delay as the Contractor shall face heavy financial loss if no O&M Cost is paid to the Contractor. Further, it may also exceed the maximum capping on delay damages. Please confirm.	As per bid documents.
252	II	VIII	8.7	10 of 68	Table Summary of Events	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.	No. Delay damage is not refundable as per the Conditions of Contract.
253	II	VIII	20.6	55-57 of 68	Arbitration	Kindly provide for the following in the Arbitration Clause: <ul style="list-style-type: none"> <li>• <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.</li> <li>• <u>Place of Arbitration:</u> Please provide the</li> </ul>	As per bid documents. As per GC with PC Sub-clause 20.6.



S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
						<p>place/venue for Arbitration, in case of any dispute.</p> <ul style="list-style-type: none"> <li>• <u>Cost of Arbitration</u>: Both parties shall mutually share the cost of arbitration.</li> <li>• <u>Governing Law</u>: Arbitration &amp; Conciliation Act, 1996.</li> </ul> <p>Please confirm.</p>	
254	III	VI	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.
255	I	III	4.2(a)	17 of 95	Experience	<p>As per the tender it is mentioned that The following experience of similar (ii) contracts that have been satisfactorily completed as a prime contractor (single entity or JV member) (iii) between 1st January 2009 and Bid submission deadline.</p> <p>Pipe Works:</p> <p>The contract(s) including supply, construction, installation, testing and commissioning of a new/rehabilitation of Water Supply Pipeline Systems in at least;</p> <p>a) one contract of not less than the length of 350 km with CI/MS/DI pipes, out of which 90 km shall be of diameter 350 mm and above, or b) two contracts each of not less than the length of 235km with CI/MS/DI pipes, out of which each of 60 km shall be of diameter 350 mm and above, or</p> <p>c) three contracts each of not less than the length of 175km with CI/MS/DI pipes, out</p>	As per Corrigendum & Addendum.

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
						<p>of which each of 45 km shall be of diameter 350 mm and above.</p> <p>For increasing number of bidders and for a better competition we request for the specific requirement of pipe diameter 350 mm and above should be reduced to pipe diameter 300 mm and above otherwise other MOC pipes should also be allowed.</p>	
256	III	VI	11.3	PB – 40 of 170	BOQ	Providing push-on-joints to Centrifugally (Spun) Cast Iron Pipes or Ductile Iron Pipes including testing of joints and the cost of rubber gasket : Kindly Clarify its DI or CI pipes	It is for both the DI and CI pipes as will be applicable.
257	III	VI	1.1.1 & 1.1.2	PB – 128 of 170	BOQ	Shifting of HSC - Is the whole item is to be replaced ( pipes and fittings etc) with new ones or existing house service connections are just to be removed from one place and shifted to another.	Entire HSC is to be replaced under this item.
258	III	VI	3.1	PB – 137 of 170	BOQ	Is the water meter required to be AMR compatible?	As per bid documents.
259	III	VI	10.5	PB – 68 of 170	BOQ	Unit should be in Square meter, kindly confirm.	Yes

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
260	III	VI	14	PB – 74 of 170	BOQ	Only Surface box is written, Kindly confirm us the purpose and details for the same.	As per bid documents.
261	III	VI	1	PB – 87 of 170	BOQ	Kindly provide detailed civil BOQ of UGR	As per bid documents.
262	General			General	General	Kindly Provide BOQ in Excel format for better working.	As per bid documents.
263	General			General	General	Kindly provide list of approved make for electro mech items	As per bid documents.
264	General			General	General	Please provide drawing in Auto-Cad Format.	As per bid documents.
265	General			General	General	Soil Investigation report. Please furnish the soil investigation report for ascertain the Net SBC at different locations.	As per bid documents.
266	General			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.4.
267	V	IV		16 of 170	Stage Payments	The payment milestones for pipes is not provided. Since pipes are in huge quantity so project cash flow will be dependent on pipes, we request the following payment	Refer to Corrigendum & Addendum.

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
						<p>schedule for pipes &amp; fittings and appurtenances.</p> <p>70% - On procurement, supply at site</p> <p>20% - on laying and jointing</p> <p>5% - on Hydrotesting and commissioning</p> <p>5% - on Road restoration as per contract specification.</p>	
268	III	VI	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.
269	I	III	3.2	Page 25 of 95	Life cycle cost	Kindly provide us the formula and discounting factor for calculating life cycle cost for evaluation purpose.	There are no present value discount formula etc. All cost to be added to the capital cost for the evaluation.
270	V	IV	B. Work Items	PB - 15 of 170	Water Supply by Tankers	The quantity of water tankers supply should be mentioned in the financial bid.	Refer to Corrigendum & Addendum No.2
271	I	III	ITB 14.2	Page 7 of 95	Permits	We request for DJB should fix the timeline for getting approval / permits from other department.	This depends on the Bidder's performance also. Bidder has to submit all the documents timely & properly and follow up with the departments continuously.
272	I	IV	-	Page 48 of 95	Cap on Max penalty	DJB should fix a cap on penalty.	As per bid documents.

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
273	V	IV	-	PB - 40 of 170	Pipeline BOQ	Since the BOQ for pipeline is finalised by DJB so No justification should be asked for the same from the bidder.	Query is not clear. As per bid documents.
274	V	IV	-	PB - 5 of 170	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. refer to S.N. 131.
275	V				Payment Security	Whether DJB will open an escrow account for O&M Payment?	No.
276	II		Part A, Contract Data, Sub Clause 13.5 (b)(ii),  Part B, Specific Provision, Sub Clause 13.5 and Sub	Page 8, 19 & 45	Provision Sum, Contractor's general Obligation and Tanker Supply	Under sub Clause 4.1 (b) (B-2) – The general obligation of Contractor during O&M, it says- ‘The Contractor shall ensure continuous pressurized water supply to all customers at prescribed service levels in the Works Requirements, including standby operations through tankers in times of emergency.’  We understand the above cost of providing tankers during water shortage etc is to be reimbursed under provisional sum. However, as per Part A – Contract Data, Clause 13.5(b)(ii), The Provisional Sum is not applicable for O&M period and neither there is any amount provided for the same.  We request therefore, A provision for	As per Bid documents. Refer to Corrigendum & Addendum.

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
			Clause 4.1			<p>provisional sum be made to reimburse Contractor in case of any exigencies including shortage of water for O&amp;M during construction period and post construction period. Further, during the period of exigencies, the Contractor shall be paid the full portion of performance fees and KPIs shall not be applied since the Contractor's efforts and teams are engaged to resolve exigencies.</p> <p>Kindly correct the following sentence under Part B, Specific Provision, Sub Clause 13.5 (B-2). "...During operation and Maintenance period, the Contractor shall reimburse the cost as per actual under this sub-Clause, for the following required items." To</p> <p>"For O&amp;M during construction period and post construction period, the Contractor shall <b>be reimbursed</b> all costs as per actuals under this sub-Clause, for the following required items but not limited to..."</p>	
277	Vol II		13.3	44	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.
278	Volume III Part B, &		Sub Section 1, 1.8.5 &	17 & 55	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.

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
	Vol V – Schedule O&M – MISC		– Schedule O&M – MISC				
279	Vol V		Schedule O&M – MISC. Item 1	55	House Service Connection	<ol style="list-style-type: none"> <li>1. The quantity of HSC provision is too low for period of 5 years. We request this to be at least 15% of estimated house service connection in the project area.</li> <li>2. The provision only describes providing HSC but excludes works of road cutting, road cutting charges, earth work, road restoration. Kindly make provision for the same. Road cutting charges shall be scope of customer requesting connection payable to authorities.</li> <li>3. Any damage/tempering of House Service connection pipe between ferrule and consumer meter requiring repair or replacement of material and labour shall be covered under this item. Penalties shall be levied on the customer.</li> </ol>	<p>As per bid documents.</p> <p>All are included in the works. Refer to S.N.196 &amp; 197</p>

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
280	Vol V		Schedule O&M – MISC, Item 2.1 (a),(b),(c) & Schedule CW-HM Item 3.1 (a),(b),(c)	156 & 137	Consumer Meter	<p>The total number of connections in the area is 110052. Of these, for only 65,505 connections, meters are proposed to be replaced under Schedule CW-HM operated during design Construction Period. For NRW levels of 20% and below, the following is critical and required</p> <ol style="list-style-type: none"> <li>1. All meters have to be replaced. Existing meters as per provision may be tested for academic purpose, however unless new meters are placed in proper location, position, are of appropriate make and type, meter accuracy and reading accuracy cannot be assured. Kindly make provision of all replacement.</li> <li>2. Meters should be of specification Class C and above. Class B mechanical meters are already obsolete and done away with worldwide before 15 years. Class B inherently have accuracy issues of <math>\pm 5\%</math> at best installations and the accuracy level goes below drastically incase when discharge is below minimum flow or above max flow conditions which is likely a condition over during intraday condition.</li> <li>3. The provision of replacement of meters shall remain same in O&amp;M period under Schedule O&amp;M -MISC even after 100% meters are replaced under Schedule CW-</li> </ol>	As per bid documents.



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						<p>HM.</p> <p>4. Any damage/tampering to meters, change in position and location by consumers or third party affecting meter accuracy or reading facility shall be case for meter replacement covered under Schedule O&amp;M -MISC and penalties levied on such customers.</p>	
281	Vol V		Schedule O&M – R1	154	Repair & Maintenance – O&M period	The provision of quantities for repair and maintenance is far too low given that the network spans across 740 Kms of transmission and distribution. The provided quantities will be consumed in less than 6 months in given year. Request rationale for the quantification and revision of the numbers.	As per bid documents
282	Vol – III	Section VI	2.1.3 - Target for KPIs and Payment Breakdown & 2.3	39 & 43	Continuity of Water Supply (24X7)	<p>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.</p> <p>2. KPI should be measured at DMA level and not at project level since there may be areas affected for reasons beyond</p>	As per bid documents.

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						<p>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.</p> <p>3. Allow following 'Allowable Exclusions' under the Clause 2.3, when KPIs shall not apply</p> <p>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.</p> <p>b. Any period of power outage from main feeders affecting pumping of water.</p> <p>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.</p> <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</p>	

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						<p>restored.</p> <p>g. Any other conditions beyond control of contractor affecting supply and duly notified to DJB.</p>			
283	Vol – III	Section VI	2.1.3 - Target for KPIs and Payment Breakdown & 2.2	39 & 41	Reduction of Water Loss	<p>a. 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>b. Allow widely accepted norm of 3% losses in transmission and reservoirs from outlet of WTP to outlet of UGRs.</p> <p>c. We request a staggered target level for Water Loss as follows</p> <table border="1"> <tr> <td>On Commissioning</td> <td>30%</td> </tr> </table>	On Commissioning	30%	As per bid documents.
On Commissioning	30%								

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies								
						<table><tr><td>of DMA</td><td></td></tr><tr><td>On completion of 1 Year from commissioning</td><td>27%</td></tr><tr><td>On completion of 2 Years from commissioning</td><td>25%</td></tr><tr><td>On completion of 3 Years from commissioning</td><td>22%</td></tr></table> <p>d. 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 prorate 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.</p> <p>e. Allow following ‘Allowable</p>	of DMA		On completion of 1 Year from commissioning	27%	On completion of 2 Years from commissioning	25%	On completion of 3 Years from commissioning	22%	
of DMA															
On completion of 1 Year from commissioning	27%														
On completion of 2 Years from commissioning	25%														
On completion of 3 Years from commissioning	22%														

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						<p>Exclusions' under the Clause 2.2, when KPIs shall not apply</p> <p>f. 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.</p> <p>g. 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.</p> <p>h. Any area which is disturbed, and meter reading has been affected, for reasons beyond control of Contractor and duly notified to DJB.</p> <p>i. Any area where authorisation for action on illegal connections is not provided by DJB.</p>	
284	Vol – III Section VI	Section VI	2.1.3 - Target for KPIs and Payment	39 & 44	Efficiency in redressal of Customer Complaints	<p>We request the KPI be measured as below</p> <ol style="list-style-type: none"> <li>90% customer complaints be responded to within 24 hours of the complaint.</li> <li>Resolution of complaint be as per following</li> </ol>	As per bid documents.

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies										
			Breakdown & 2.4			<div>3. Allow ‘Allowable Exclusions’ under the</div> <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> <div>Clause 2.4, for complaints of ‘no water’, ‘shortage of water’, ‘less pressure’ during stoppage or shortage of bulk water and power outage.</div>	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	
Less pressure at the consumer meter point	72 hours																
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285	Vol – III B	Section VI	2.1.3 - Target for KPIs and Payment Breakdown & 2.5	39 & 45	Quality of Water Supplied	We request the Target be revised to 98%. This is more practical	As per bid documents.										
286	Vol – III B	Section VI	2.5	OM - 45 of 52	Water Quality	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	Water quality parameters from WTP shall as per IS 10500.										

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						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.	
287	Vol – III B	Section VI	2.1.3 - Target for KPIs and Payment Breakdown & 2.6	40 & 46	Meter Reading, Billing and distribution efficiency	We request the Target be revised to 95%.	As per bid documents.
288	Vol – III B	Section VI	2.1.3 - Target for KPIs and Payment Breakdown & 2.7	40 & 47	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.
289	Vol – III B	Section VI	2.11	49	Water Loss reduction in Construction Phase	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	As per bid documents.

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						<p>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&amp;M period.</p> <p>3. Penalty of withholding caution deposit shall be applicable only on running bill of O&amp;M works during construction period. This is very critical for cash flows.</p> <p>4. Kindly confirm that the caution deposit withhold will be released subsequently when the threshold water loss level for previous year is achieved.</p>	
290	Vol – III B	Section VI	2.1.3 - Target for KPIs and Payment Breakdown	40 & 47	Negative marking & Penalties	<p>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</p>	As per bid documents.



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						contractual measures like performance guarantees and termination in case of non-performance which shall be applied for performance below minimum threshold levels.	
291	Vol – III B	Section VI	2.1.3 - Target for KPIs and Payment Breakdown	39 & 40	KPIs measurement	<p>Kindly allow all KPIs to be measured and monitored at DMA level. The performance fees shall be calculated at DMA level</p> <ol style="list-style-type: none"> <li>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.</li> <li>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.</li> <li>3. If a KPI measurement is disputed, the performance payment shall be released against bank guarantee to improve cash flow.</li> </ol>	As per bid documents.
292	Vol – III B	Section VI	2.1.2 - Payment Conditions for O&M	38	Fixed and Performance fees	<ol style="list-style-type: none"> <li>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.</li> <li>2. The Fixed fee: performance fee ratio shall be calculated only on Manpower and preventive maintenance works under</li> </ol>	As per bid document.

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
						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.	
293	Vol – III B	Section VI	2.13 - Electrical Energy (Power) Consumption Guarantee	50	Performance parameter and penalty for Energy	1. The penalty calculation is a double blow to the contractor. The penalty should be either on Power Factor or calculated based on deviation from power guarantees and not both.	As per bid documents.
294	VOLUME III		2.13	OM - 50 of 52	Electrical Energy (Power)Consumption Guarantee	Penalty for excess power consumption – we request that the power charges should be the charges applicable for DJB and not the commercial charges.	As per bid documents.
295	Vol – III B	Section VI	2.14	51	Penalties for non-deployment of specified minimum staff for O&M works	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.

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296	Vol II,	Section VIII	Part A, Contract Data, Table - Summary of Section (2 C)	Page 8, 19 & 45	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 the GC and PC sub-clause 8.7 [Delay damages]
297	VOLUME III		2.1.3	Page 8, 19 & 45	Target for KPIs and Payment Breakdown	We understand that the design (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 to be replaced with which size etc.	As per bid documents.
298	VOLUME : III		4.2	OM - 39 of 52	GIS/ Customer Survey and Mapping	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.	Access to GIS maps will be provided by DJB at the end of preparatory period. As nearly 80% pipelines are to be replaced/newly laid under this contract, any error in remaining existing infrastructure won't cause any significant impact. The bidder shall keep updating the maps thereafter.
299	General					Kindly Provide the DPR for the project for better understanding of the project	All relevant information of DPR are provided in Bid documents.

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
300	General		-	-	Price bid / BOQ	Please provide BOQ in excel format as many rows / columns are not visible/ text hidden.	Refer to S. N. 262
301	Vol. II	Section VIII.  Section VI	Table: Summary of Sections Modality of O&M Contract & Payment	Page - 10 of 68  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.
302	Vol. II	Section VIII	Sub-Clause 8.13	Page – 36 of 68	General	The Contractor is expected to compensate for the loss of revenue, loss of profit etc. in case of interruptions. This is a very high risk for the Contractor. In fact, the performance of the Contractor is subject to KPIs and non-performance has several stringent penalties and deductions attached to it. We request you to delete this sub-clause.	As per bid documents.

S. N.	Volume	Section	Clause	Page No	Subject	Clarification Required	DJB replies
303	Vol. I		-	Page 87 of 95	Technical Particulars: Mechanical Works	Please clarify what the bidder is expected to enter under Sr. No 8 (BoQ for Motorized Butterfly Valve), Sr. No 9 (BoQ for Non Return Valve) and Sr. No 10 (BoQ for Motorized Sluice Valve).	As per bid documents.
304	Query vides Letter No ET/MKT/CHANDRAWAL/01. Dated 15.01.2019					<p>We wish to draw your kind attention to the volume III bidding documents (Part 2 works requirements) Sub Section-I, General , Sub clause 1.3.2 Manufacturer's Experience Criteria, Sl. No. 4.2 for Ductile Iron in page No. G-8 of 93, it is mentioned that <b>"No. of years in satisfactory operation to the end users."</b></p> <p>We request you to kindly look into the matter and amend the said existing clause as <b>"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.</b></p>	As per bid documents.