

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

Re-Invitation for Bids: NIT No. 9 (2018-19)

Corrigendum & Addendum No. 06

S. No.	Clause reference	Corrigendum & Addendum								
1.	Para D at Page 8-53 under section 8 of volume-1	Replace first 5 rows of table under Para D with following rows:								
	<table border="1"> <thead> <tr> <th>1.</th> <th>Parameter</th> <th></th> </tr> </thead> <tbody> <tr> <td></td> <td>Minimum Service Level</td> <td> <p>(B-i) Continuity of Water Supply (24x7) - must be provided to the properties with authorized connection(s) - to be applicable DMA wise after a) Between Initial and Final Taking Over Dates and b) After Final Taking Over Date till end of Contract.</p> <p>a) Between Initial and Final Taking Over Dates Following existing service level parameters will be set at the time of initial handing over :</p> <ul style="list-style-type: none"> • Duration of water supply hours, and • Minimum head of water at critical point <p>100% of the pressure readings during water supply hours to be maintained at a minimum head of water at critical point</p> <p>b) After Final Taking Over Date till end of Contract. 100% of the pressure readings maintained at a minimum 17 meters of water at critical point.</p> <p>To be achieved at the end of District Metering Area (DMA) commissioning date and maintained throughout the contract period till the end of the Contract. Less than 80% compliance will attract penalty.</p> </td> </tr> <tr> <td></td> <td>Measured By</td> <td> <p>One CMP will be established in each DMA as per approved Service Improvement Plan (SIP). Readings at the CMPs will be taken on hourly basis during supply hours.</p> <p>No. of hours water pressure is equal to or more than the required pressure at critical points . (a).</p> <p>a) Between Initial and Final Taking Over Dates: Value of required pressure at critical points =Existing service level water head DMA passes (complies) if $100 \times a / (\text{Supply Hours}) \geq 90$ i.e., if 90% or more of the time the pressure in the critical point of the DMA is equal to or more than the required pressure.</p> <p>b) After Final Taking Over Date till end of Contract Value of required pressure at critical points =17 m DMA passes (complies) if $100 \times a / 24 \geq 90$ i.e., if 90% or more of the time the pressure in the critical point of the DMA is equal to or more than the required pressure.</p> </td> </tr> </tbody> </table>	1.	Parameter			Minimum Service Level	<p>(B-i) Continuity of Water Supply (24x7) - must be provided to the properties with authorized connection(s) - to be applicable DMA wise after a) Between Initial and Final Taking Over Dates and b) After Final Taking Over Date till end of Contract.</p> <p>a) Between Initial and Final Taking Over Dates Following existing service level parameters will be set at the time of initial handing over :</p> <ul style="list-style-type: none"> • Duration of water supply hours, and • Minimum head of water at critical point <p>100% of the pressure readings during water supply hours to be maintained at a minimum head of water at critical point</p> <p>b) After Final Taking Over Date till end of Contract. 100% of the pressure readings maintained at a minimum 17 meters of water at critical point.</p> <p>To be achieved at the end of District Metering Area (DMA) commissioning date and maintained throughout the contract period till the end of the Contract. Less than 80% compliance will attract penalty.</p>		Measured By	<p>One CMP will be established in each DMA as per approved Service Improvement Plan (SIP). Readings at the CMPs will be taken on hourly basis during supply hours.</p> <p>No. of hours water pressure is equal to or more than the required pressure at critical points . (a).</p> <p>a) Between Initial and Final Taking Over Dates: Value of required pressure at critical points =Existing service level water head DMA passes (complies) if $100 \times a / (\text{Supply Hours}) \geq 90$ i.e., if 90% or more of the time the pressure in the critical point of the DMA is equal to or more than the required pressure.</p> <p>b) After Final Taking Over Date till end of Contract Value of required pressure at critical points =17 m DMA passes (complies) if $100 \times a / 24 \geq 90$ i.e., if 90% or more of the time the pressure in the critical point of the DMA is equal to or more than the required pressure.</p>
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		Total number of DMAs × No. of days (Total DMA-Days) in the billing cycle
	Monitored By	An electronic registry maintained by the Contractor; the registry shall include detailed database and summary tables pressure logs at each of the CMP The pressure log database shall include: <ul style="list-style-type: none"> ▪ Time and date ▪ CMP identification number ▪ Pressure in meters
	Allowable Exclusions	<ul style="list-style-type: none"> i. Planned maintenance periods not exceeding 8 hours each ii. Interruption due to mains bursts not exceeding 12 hours iii. Shortage of bulk water supplied by bulk supply provider iv. Third party causes like power failure and fire fighting In the event of non-availability of bulk potable water to the 4 No UGRs, the Contractor shall make alternate arrangements to supply potable water for minimum demand of the consumers at 40 lpcd within 6 (six) hours through tankers or any other means. The payment for the same shall be made by the Employer at the rate contract rates decided yearly.

2. Table of adjustment Data Under section 4 -Bidding forms of Volume-1

Replace Table A of Adjustment Data with following:

Tables of Adjustment Data

Table A - Local Currency

To be entered by the bidder

TableA1. For Design Build services

Index Code	Index Description	Source of Index	Base Value and Date	Bidder's Local Currency Amount	Bidder's Proposed Weighting
-	Nonadjustable	0	0	0	A: 0.15
IL	Consumer Price Index for Industrial Workers (CPI -IW) for Delhi	Labour Bureau, Government of India			L: _____
Le	Wholesale Price Index for Cement and Lime	Reserve Bank of India Journal			C: _____
Ls	Wholesale Price Index for mild steel - long products	Reserve Bank of India Journal			S: _____

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S. No.	Clause reference		Corrigendum & Addendum			
	F	Wholesale Price Index for Rubber and Plastic Product	Reserve Bank of India Journal			H:____
	P	Wholesale Price Index for Machinery and Machine Tools	Reserve Bank of India Journal			R:____
	IM	Wholesale price index (all commodities)	Reserve Bank of India Journal			O:____
Total						1.00

Table A2. For Operation Services

To be entered by the bidder

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

- Note -

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

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

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

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3.	Clause "4.Adjustment for changes in costs" at section -8 of volume-1: at page 8-46 to 8-49	Replace clause "4.Adjustment for changes in costs" with following text :
<p>Price Variation shall be applicable for Design Build and works portion (Asset Replacement Fund) of the Operation Services Contract. This shall also include extension in the Stipulated Date of completion on account of reasons other than those attributable to the Contractor. No price variation will be made where the extension in Stipulated Date of Completion is because of default of Contractor. The decision of Employer shall be final and binding on the Contractor.</p> <p>In case of extension in the date of completion of Works Contract, the compensation underprice variation shall be limited to indices prevailing at the time of Stipulated period of Completion or as prevailing for the period under consideration, whichever is less, provided that, if an extension of time is granted in accordance with Sub-Clause 9.3 [Extension of Time for Completion], the above provision shall apply to the extended Time for Completion.</p> <p>The amount payable to the Contractor and valued at base prices in accordance with the payment Schedule shall be adjusted for rise or fall in the cost of labor and material by the addition or deduction of the amounts determined by the formulae given in this Sub-Clause and shall be based on Reserve Bank of India (RBI) indices for material and labour. In cases where the "currency of index" is not the relevant currency of payment, each index shall be converted into the relevant currency of payment at the selling rate, established by the central bank of the Country, of this relevant currency on the above date for which the index is required to be applicable. This clause is operative both ways, i.e. if the price variation as calculated is on the plus side, payments on account of the price variations shall be allowed to the contractor and if it is on the negative side, the Employer shall be entitled to recover the same from the Contractor and the amount shall be deductible from any amounts due and payable under the Contract. To the extent that full compensation for any rise or fall in costs to the Contractor is not covered by the provision of this or any other clause in the Contract, the Contract Price shall be deemed to include amounts to cover the contingency of such other rise or fall in costs.</p> <p>The amount to be added to or deducted from Interim Payment Certificates for changes in cost and legislation shall be determined from formulae for the currency in which the Contract Price is payable and for each of the civil works, electrical and mechanical works, installation, testing and commissioning work and Operation Services Contract as priced in the Schedule.</p> <p>Adjustment Formula-The Price Adjustment factor shall be determined in general by the following formula.</p> <p>Increase or decrease in the cost of component shall be calculated quarterly. The first statement of price adjustment shall be prepared at the end of three months from the month in which the work was deemed to be started and the work done from the date of start to the end of this period shall be taken into account. For subsequent statements, the cost of work done during every quarter shall be taken into account. At the completion of work, the work done during the last quarter or portion thereof shall be taken into account.</p> <p>For the purposes of reckoning the work done during any period, the bills prepared during the period shall be considered. The dates of recording measurements in the measurement book by the Engineer shall be the guiding factor to decide the bills relevant to any period. The date of completion, as finally recorded by the Engineer in the measurement book, shall be the criterion.</p> <p>For working out the weightage of the values of components in the work, fixed weightage of 0.15 for non-adjustable component is to be taken and sum of weightage of all adjustable components should be taken as 0.85. Total weightage of all components should be taken as 1.0 including weightage of non-adjustable and adjustable components. The base date shall be taken as 28 days before the last date of submission of final bid</p>		

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	by the bidders.	
	(a) LABOUR	
	$VL = L \times R (IL1 - ILo) / ILo$	
	VL = Increase or decrease in the cost of work during the quarter under consideration . R = Value of the work done during the quarter under consideration.	
	Ilo= Base Price which is Consumer Price Index tor Industrial Workers (CPI -IW) for Delhi issued by Labour Bureau, Government of India on the base date.	
	IL1= Final price which is Consumer Price Index tor Industrial Workers (CPI -IW) for Delhi issued by Labour Bureau, Government of India (average for the quarter under consideration)	
	L= Weightage of labour components.	
	(Note: In case of revision of minimum wages by the Government or other competent authority, nothing extra would be payable except the price escalation permissible under this Clause).	
	(b) Cement (excluding material supplied by the department).	
	$Vc = C \times R (Lei - Leo) / Leo$	
	Vc= Increase or decrease in the cost during the quarter under consideration.	
	R= Value of the work done during the quarter under consideration excluding the cost of material supplied by the department.	
	Leo= Base price which is Wholesale Price Index for Cement and Lime issued by Reserve Bank of India Journal on the base date	
	Lei= Final price which is the Wholesale Price Index for Cement and Lime issued by Reserve Bank of India (average for the quarter under consideration)	
	C= Weightage of Cement component.	
	(d) Steel, Metallic Pipes and Specials (excluding material supplied by the department).	
	$Vs = S \times R (Lsi - Lso) / Lso$	
	Vs= Increase or decrease in the cost during the quarter under consideration.	
	R = Value of the work done during the quarter under consideration excluding the cost of material supplied by the department.	
	Lso = Base price which is the Wholesale Price Index for mild steel - long products issued by Reserve Bank of India on the base date	
	Lsi = Final price (average for the quarter under consideration) which is the Wholesale Price Index for mild steel - long products issued by Reserve Bank of India	
	S= Weightage of steel component.	
	(e) MDPE/PVC Pipes and Specials:	

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		<p>$V_p = H \times R (F_i - F_a) / F_a$</p> <p>$V_p$= Increase or decrease in the cost of work during the quarter under consideration.</p> <p>R= The value of the work done during the quarter under consideration excluding the cost of materials supplied by the department.</p> <p>F_a= Base price which is the Wholesale Price Index for Rubber and Plastic Product issued by Reserve Bank of India on the base date.</p> <p>F_i= Final price (average for the quarter under consideration) which is the Wholesale Price Index for Plastic Products issued by Reserve Bank of India.</p> <p>H= Weightage of HDPE/PVC resin.</p> <p>(f) Plant and Machinery and Spares:</p> <p>$V_t = PM \times R (P_i - P_o) / P_o$</p> <p>$V_t$= Increase or decrease in the cost of work during the quarter under consideration.</p> <p>R= The value of the work done during the quarter under consideration excluding the cost of materials supplied by the department.</p> <p>P_o= Base price which is Wholesale Price Index for Machinery and Machine Tools issued by Reserve Bank of India on the base date.</p> <p>P_i= Final price (average for the quarter under consideration) which is the Wholesale Price Index for Machinery and Machine Tools issued by Reserve Bank of India.</p> <p>PM= Weightage of Construction machinery component.</p> <p>(g) Other Material:</p> <p>$VM = O \times R (IM_1 - IM_o) / IM_o$</p> <p>$VM$= Increase or decrease in the cost during the quarter under consideration.</p> <p>R= Value of the work done during the quarter under consideration excluding the cost of materials supplied by the department.</p> <p>IM_o= Base price which is Wholesale price index (all commodities) published in Reserve Bank of India Journal on the base date.</p> <p>IM_1= Final price (average for the quarter under consideration) which is the wholesale price index (all commodities) published in Reserve Bank of India Journal. O=Weightage of other material components</p> <p>The cost indices or reference prices stated in the table of adjustment data in section 4 shall be used.</p> <p>Until such time as each current cost index is not available, the Engineer shall determine a provisional Index for the issue of Interim Payment Certificates. When a current cost index is available, the adjustment shall be recalculated accordingly.</p> <p>Adjustment for changes in Cost will be applicable for the amount of work carried out by the Contractor within the stipulated completion period or extended contract period for which delay is not attributable to the Contractor.</p>

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		<p>The price adjustment will be calculated on the date of removing hindrance for the cost of actual work done up to the stipulated completion period or the extended contract period for which delay is not attributable to the Contractor, as the case may be. It is further clarified that there may be hindrances that on handling may not lead to overall delay in the project and there can be hindrances which might lead to contract period being extended with delay not attributable to the Contractor.</p> <p>Adjustment for the work items valued on the basis of Cost or current prices or new rate items shall be applicable from the next quarter in which new rate has been given.</p> <p>Adjusted Amount: The adjusted amount of each Payment Certificate may be subject to any deductions there from for liquidated damages, and any other monies due to the Employer from the Contractor including the recovery of advance amounts, if any.</p> <p>Items not to be included in the Price Adjustment Calculation: The following items are not to be included in the price adjustment calculation:</p> <ul style="list-style-type: none">(a) Liquidated damages.(b) Retention withheld and released.(c) Advance payments in the form of loans and their repayments.(d) Payment to 'nominated' Sub-Contractors included as 'provisional sums'. <p>6. Adjustment for changes in costs for Operation Services:</p> <p>For working out the weightage of the values of components in the work, fixed weightage of 0.15 for non-adjustable component is to be taken and sum of weightage of all adjustable components should be taken as 0.85. Total weightage of all components should be taken as 1.0 including weightage of non-adjustable and adjustable components. The base date shall be taken as 28 days before the last date of submission of final bid by the bidders.</p> <p>All Operation Services under this Contract shall be governed in accordance to the adjustments for change in costs as provided in above clauses and based on following formula :</p> <p>(A) LABOUR</p> $VL = L \times R (IL1 - ILo) / ILo$ <p>VL = Increase or decrease in the cost of work during the quarter under consideration . R = Value of the work done during the quarter under consideration.</p> <p>I_{Lo}= Base Price which is Consumer Price Index for Industrial Workers (CPI -IW) for Delhi issued by Labour Bureau, Government of India on the base date.</p> <p>I_{L1}= Final price which is Consumer Price Index for Industrial Workers (CPI -IW) for Delhi issued by Labour Bureau, Government of India (average for the quarter under consideration)</p> <p>L= Weightage of labour components.</p> <p>(Note: In case of revision of minimum wages by the Government or other competent authority, nothing extra would be payable except the price escalation permissible under this Clause).</p> <p>(B) Other Material:</p> $VM = O \times R (IM1 - IMo) / IMo$ <p>VM= Increase or decrease in the cost during the quarter under consideration.</p> <p>R= Value of the work done during the quarter under consideration excluding the cost of materials</p>

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