

Corrigendum-1

IFB Ref No: BUIDCo/BUDIP-2/NCB/02

Contract Package No: BH/WS/02

Package Name: Improvement of Water Supply System in Bhagalpur Municipal Corporation (BWSP-02)

Response to Bidders' Additional Queries received after Pre-bid Conference

SN	Clause Ref No	Existing Clause	Clarification Sought	BUIDCo's Reponses
1.	Section 2 ITB 22.1	The dead line for bid submission is Date 18 th May, 2018 Time : 15:00 Hrs.	Please extend the submission date by another 2 week's from the present bid due date.	The dead line for bid submission is further extended from 21 st June, 2018 to 30 th June, 2018.
2.	Vol -1 ,Section – 4 Part 3: MS Pipeline and Specials/ 4-35	The Bidder shall describe the proposed Pipe Manufacturing Process and expected results in sufficient details so that the Employer can assess the suitability of the Bidders proposal.	<p>We would request client to appreciate the scope of supply of MS Pipeline is only 2.5 KM which is not a huge quantum with respect to pipeline.</p> <p>Moreover bidders are requested to provide details like</p> <ul style="list-style-type: none">a) Number of production lines proposed to be installed for projectb) Expected maximum output from each production line (in meters/day)c) Huge details regarding Automatic MS plate/ coil bending plants <p>Please note these MS Pipes will be supplied by reputed manufacturers like SAIL/ JINDAL/ WELSPUN etc. who are already established and are producing this dia pipes since a long period. So we feel, their detail are ot required if site production is not envisaged for this project.</p>	The details shall be furnished by the successful bidder at the time of Vendor approval during execution period.

SN	Clause Ref No	Existing Clause	Clarification Sought	BUIDCo's Reponses
			Kindly confirm that our understanding is correct.	
3.	Vol -1 ,Section - 4 Description of Proposed Coating Process/ 4-35	The Bidder shall describe the equipment proposed to be used and the process of coating of pipes and for joints in fields in sufficient details so that the Employer can assess the suitability of the Bidders proposal	<p>We would request client to appreciate the scope of supply of MS Pipeline is only 2.5 KM which is not a huge quantum with respect to pipeline.</p> <p>Moreover bidders are requested to provide details like</p> <ul style="list-style-type: none"> a) Details of Automatic mobile coating plants b) Output capacity of each plant per shift of 8 hrs. c) Details of coating proposed and specification d) Certification from at least two clients who have used the proposed coating manufactured by the proposed supplier stating the performance after minimum 5 years e) Certification of the manufacturer regarding the specification and recommended coating f) Acceptance of manufacturer for supply of required quantity & supervising the coating at site etc. <p>Internal Epoxy coating will be factory applied and finished pipes with the coating will be supplied to site. As the quantity is not huge for the MS Pipeline, automatic mobile coating plant is not feasible. For joints heat shrink</p>	The details shall be furnished by the successful bidder at the time of Vendor approval during execution period.

SN	Clause Ref No	Existing Clause	Clarification Sought	BUIDCo's Reponses
			<p>sleeves may be applied. Thus details of mobile coating plants at tender stage is very difficult to get from the manufacturers.</p> <p>Hence we believe that if these certificates regarding coating is at all required, those can be submitted by the successful bidder during execution.</p> <p>Lastly please note that BUIDCo has specifically mentioned the type of external and internal coating required for the MS Pipe line. Hence manufacturer's recommendation for coating is not required here. Kindly confirm the same.</p> <p>In light of the above we understand that the above mentioned documents requested in the said clause can be provided during execution stage.</p>	
4.	Vol – 2, Technical Specification, Section 6: Employers Requirement Table 17: Supply of Ductile Iron Pipes/ 43	Experience Criteria for DI Pipes	<p>Kindly understand the supply of DI Pipes are only for 28 KM which is not a huge quantity in terms of DI Pipe supply.</p> <p>Moreover during bidding stage the vendors are not keen to furnish all the required document requested in table 17 with their budgetary proposal.</p> <p>In light of the above we understand that the documents asked in Table 17 regarding DI Pipe supply can be provided during execution stage.</p>	The details shall be furnished by the successful bidder at the time of Vendor approval during execution period.

SN	Clause Ref No	Existing Clause	Clarification Sought	BUIDCo's Reponses
5.	BoQ Rising Main Schedule 7: Raw Water Main : Item no 7.3	The BoQ mentions the item From RW Bridge to Sedimentation Tank	We would bring to your notice that there is no item as RW Bridge in Schedule 4 : Installation and other services. Kindly clarify where this RW Bridge is coming?	There is no RW Bridge. Thus the text "RW Bridge" stands deleted.
6.	BoQ Rising Main Schedule 7: Raw Water Main : Item no 7.3	The BoQ mentions the item From RW Bridge to Sedimentation Tank: By Pass Line	The quantity of excavation mentioned under the By Pass line is huge. We understand that the excavation quantity is for complete 2.5 KM length of pipe and not just the by pass line Kindly confirm if our understanding is correct.	There is no RW Bridge. Thus the text "RW Bridge" stands deleted. Further the excavation quantity is for the complete 2.5 km length of raw water main and by pass line
7.	BoQ Rising Main Schedule 7: Raw Water Main : Item no 7.9.1.1	The quantity mentioned against this line item is 2550 m	Kindly clarify if this quantity against this line item is the total quantity of pipeline including the by pass line or does this quantity exclude the by pass line.	See clarification at SNo 5.
8.	BoQ Schedule 8: Clear Water Rising Main	Item No 8.13 Valves Laying: 8.13.1.1 Providing, lowering, laying, aligning, fixing in position in pipe line, power actuated and manually operated DI D/F Sluice valves of approved make (IS: 14846 amended up to date) PN 1.0 class of following dia complete (including jointing and jointing material) including Dismantling Joints and all material, labor, testing and commissioning along with pipe line as per Technical Specifications and as per	We understand that all the Sluice Valve under this line item are manually operated valves. It is not feasible to provide power actuated valves along the Clear Water Rising Main since there will be no point to provide power connections to the power actuator. Kindly confirm that the bidder has to consider manually operated sluice valves only.	The bidder has to consider power actuated sluice valves only.

SN	Clause Ref No	Existing Clause	Clarification Sought	BUIDCo's Reponses
		direction of Engineer. Isolation & Scour Valve		
9.	BoQ Schedule 8: Clear Water Rising Main	Item No 8.13 Valves Laying: 8.13.1.2 Providing, lowering, laying, aligning, fixing in position D.I D/F power actuated and manually operated long body butterfly valves (IS: 13095) PN-1.0 class of following dia complete (including jointing and jointing material) including Dismantling Joint and all material, labour, testing along with pipe line and commissioning as per Technical Specifications and as per direction of Engineer. Category "A"	We understand that all the Butterfly Valve under this line item are manually operated valves. It is not feasible to provide power actuated valves along the Clear Water Rising Main since there will be no point to provide power connections to the power actuator. Kindly confirm that the bidder has to consider manually operated butterfly valves only.	The bidder has to consider power actuated butterfly valves only.
10.	Section 6, Employer's Requirement Section 6/ 6-23	li Water Treatment Plant : Brief Description of Civil & EMI Works upto commissioning "The power claim of existing units at Barari Water Works shall be included in the electrical substation and existing substation shall be designed"	We understand that this is not a part of scope of this project. Hence no work has to be done for Barari Water Works. Kindly confirm that our understanding is correct.	Confirmed. This requirement stands deleted. The new substation at Barari water works should be designed considering the existing capacity of the substation could also be utilized.
11.	Section 4B- BOQ	Motorized 800 mm DI Butterfly	As per BOQ price schedule Flash mixer to	From Flash Mixer to Flocculator,

SN	Clause Ref No	Existing Clause	Clarification Sought	BUIDCo's Reponses
	2.34.2	valves at Flash Mixer to Flocculator	<p>Flocculator inlet is mentioned as 900 mm dia. MS Pipes and in General arrangement of Proposed WTP layout the same is shown as channel.</p> <p>Hence we presume that the flash mixer to flocculator inlet (channel) shall be followed as per tender proposed layout for WTP.</p> <p>Please confirm.</p>	water will be conveyed through the pipe line. Hence the provision given in the BOQ shall be adopted.
	Section 4B- BOQ 2.34.21	900 mm dia. MS pipes -for Flash Mixer to Flocculator		
	6. Annexure-4 drawings.	GENERAL ARRANGEMENT OF WTP WORK Proposed WTP under BSWP-02		
12.	Section 4B- BOQ 2.34.17	PP Ball Valves - 400 mm dia. at Line for Alum/PAC Dosing	<p>We presume that 400 mm is a typo error, hence the bidder shall follow 40 mm dia. instead of 400 mm dia. for PP Ball valves.</p> <p>Please confirm.</p>	Confirmed. This is a typo-error. The bidder has to consider 40 mm dia. instead of 400 mm dia. for PP Ball valves.
	Section 4B- BOQ 2.34.18	PP Ball Valves - 400 mm dia. at Line for Poly Electrolyte Dosing		
	Section 4B- BOQ 2.34.19	PP Ball Valves - 400 mm dia. at Line for Dewatering Poly		
	Section 4B- BOQ 2.34.20	PP Ball Valves - 400 mm dia. at Line for Line for coagulating Poly in Waste recovery system		
13.	Vol 2 Section – 6: Technical Specifications – Clause 741/127	<p>The total capacity provided shall be at least the volume of sludge extracted during 8h.</p> <p>The proposed capacity of sludge buffer tank is 450 m³ (for detention time 16 hrs)</p>	Please provide clarity with respected to the detention time required for sludge buffer tank.	The detention time shall be 8 hours for designing the sludge buffer tank capacity.
14.	Vol 2 Section 6 – Technical Specification – Clause 744/127	<p>The capacity shall be 24 hrs of the sludge volume in term of the detention time.</p> <p>The solid load shall be minimum 140 kg/m²/day</p>	Thickeners are not designed based on detention time but on Solid Loading Rate (SLR) which is the major design criteria. The same has to be considered within a range of 90 – 100 kg/m ² /day instead of 140 kg/m ² /day. Also, higher detention time will turn the system un-	The bid provisions shall prevail.

SN	Clause Ref No	Existing Clause	Clarification Sought	BUIDCo's Reponses
			aerobic. Please clarify.	
15.	Annexure 1 of addendum 1 Sub-contractor	Dredging/maintaining	Completed at least two works in river / sea section in last ten years. This criteria given in annexure 1 is different from criteria given in the section 2.4.2	The criteria given in annexure 1 shall be read as follows: Dredging /maintaining the raw water approach channel /pipe laying by dredging for any project in the last seven years
16.	Annexure 1 of addendum 1 Sub-Contractor	33/3.3 KV Sub station	Completed minimum 1000 KVA substation 2 Nos in last 7 years This criteria given in annexure 1 is different from criteria given in the section 2.4.2	The criteria given in annexure 1 shall be read as follows: Construction and installation of at least one number of 33/3.3 K.V substation within the last seven years.
17.	Annexure 1 of addendum 1 Sub-Contractor	M.S Pipe and D.I pipe – Supply and Laying	Laid and commissioned minimum 700 mm dia for 10 km length of DI/MS pipe for 2 years within last seven years This criteria given in annexure 1 is different from criteria given in the section 2.4.2	The criteria given in annexure 1 shall be read as follows: Providing, laying, jointing and commissioning of water main of various sizes/lengths as under within last seven years:. Diameter 400 mm and above - 10,000 m.
18.	Annexure 1 of addendum 1 Sub-Contractor	Operation and maintenance of Entire water supply system consists of Intake works. WTP and transmission system	Operation and maintaining the water supply scheme consists of Intake works, WTP and transmission system for at least 3 years in last seven years This criteria given in annexure 1 is different from criteria given in the section 2.4.2	The criteria given in annexure 1 shall be read as follows: Successfully carried out the Operation and Maintenance of a water supply project having intake, water treatment plant and water pipe lines for at least 3 years (including defect liability period) in the last seven years.