"Engineering, Procuring, Construction, Commissioning (EPC) and Performance run followed by 10 years O&M of Sewerage Treatment Plant of 2.0 MLD capacity at Village Kishanbagh near RPA Jaipur based on "Sequential Batch Reactor (SBR) Technology".

ADDENDUM-1

Addenda to the bid document " **Engineering, Procuring, Construction, Commissioning (EPC) and Performance run followed by 10 years O&M of Sewerage Treatment Plant of 2.0 MLD capacity at Village Kishanbagh near RPA Jaipur based on "Sequential Batch Reactor (SBR) Technology"** are as follows:-

Sr. No.	Reference to Clause and Context	Existing Provision	As Amended
1.	**Schedule and Specifications, Page No.8**	**SCHEDULE - F: TIME OF COMPLETION:** The work should start by date of commencement as mentioned in Work order and complete within **12 months** for the construction phase followed by O&M 120 months.	**SCHEDULE - F: TIME OF COMPLETION:** The work should start by date of commencement as mentioned in Work order and complete within **18 months** for the construction phase followed by O&M 120 months.
	Section 2, General Conditions of Contract, Memorandum, Page No.71	Time allowed for the completion of work (to be reckoned from the 15th day after the date of written order to commence the work) is **12 Months.**	Time allowed for the completion of work (to be reckoned from the 15th day after the date of written order to commence the work) is **18 Months.**
	Volume – II, 1.0 (a) Scope of work: Design, Construction, Supply, Installation, Testing & Commissioning, Page No.181	The above works shall be completed within **12 months** (including Monsoons) from the commencement date including 7 days of trial & run & 15 days of commissioning period followed by performance guarantee test and Operation & Maintenance (O&M) for 120 months.	The above works shall be completed within **18 months** (including Monsoons) from the commencement date including 7 days of trial & run & 15 days of commissioning period followed by performance guarantee test and Operation & Maintenance (O&M) for 120 months.

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"Engineering, Procuring, Construction, Commissioning (EPC) and Performance run followed by 10 years O&M of Sewerage Treatment Plant of 2.0 MLD capacity at Village Kishanbagh near RPA Jaipur based on "Sequential Batch Reactor (SBR) Technology".

Sr. No.	Reference to Clause and Context	Existing Provision	As Amended
	Volume – II, 2.14, Contract Period, Page No. 213	The total Contract Period shall be as follows: Construction Period: **12 Months** (including Monsoon) Trial & Run Period: 7days Commissioning Period O&M Period: 15days	The total Contract Period shall be as follows: Construction Period: **18 Months** (including Monsoon) Trial & Run Period: 7 days Commissioning Period O&M Period: 15days
2.	**Special Condition of the Contract For Pre-Qualification of Contractors, 2. Qualification Criteria, Page No.71**	(c) Bid Capacity: The available bid capacity will be calculated as under: Bid Capacity= (A x N x 3 – B) Where , N = Number of year prescribed for completion of the work for which bids are invited. **In present case value of N shall be 1.**	(c) Bid Capacity: The available bid capacity will be calculated as under: Bid Capacity= (A x N x 3 – B) Where , N = Number of year prescribed for completion of the work for which bids are invited. **In present case value of N shall be 1.5.**
3.	**Annexure – 7 , Bid Evaluation Sheet, II 2 (b) Page No. 43** **Volume – II, 1.0 (a) Scope of work: Design, Construction, Supply, Installation, Testing & Commissioning, 2.0 Sequential Batch Reactor (SBR) Units, Page No.190**	The technology provider shall have experience of providing SBR technology and technology equipment for at least One (1) no STP of 1.6 MLD capacity in India during last seven years and are working satisfactorily for at least **three years** as on Date and meeting outlet quality as required for proposed STP.	The technology provider shall have experience of providing SBR technology and technology equipment for at least One (1) no STP of 1.6 MLD capacity in India during last seven years and are working satisfactorily for at least **two years** as on Date and meeting outlet quality as required for proposed STP.

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Sr. No.	Reference to Clause and Context	Existing Provision	As Amended
4.	**Volume – II, 1.0 (a) Scope of work: Design, Construction, Supply, Installation, Testing & Commissioning, 2.2 Proposed Treatment Scheme, Page No.181**	**Receiving of Raw Sewage** Diversion chamber shall be provided on existing gravity main near existing sewage collection chamber for IPS. Sewage from this diversion chamber shall flow through existing channel. From this channel raw sewage will be tapped and then it shall discharge into receiving chamber of pumping station. Tapping from existing channel shall be such that only 2 MLD average flow with peak factor of 3 shall be received at receiving chamber. Suitable flow measurement shall be provided accordingly. Connection of incoming sewer within plant battery limit shall be in the scope of bidder. From Receiving Chamber it will be taken into downstream screens. The function of the Receiving Chamber is to reduce the incoming velocity. Receiving Chamber shall be of adequate size to meet the requirements of workability inside it. The Receiving Chamber shall be water tight to prevent seepage of the sewage out of the Receiving Chamber	**Amended As :-** **Receiving of Raw Sewage** Connection of incoming sewer from 4 no. tapping points such as from the existing RPA drain situated near the proposed STP site, existing sewer line of 400 mm dia. laid under the dravyavati river project pathway, existing sewer line from tulsi nagar colony which is presently discharging into the RPA drain and a new proposed sewer submain from the colonies situated in the LHS upstream area shall be collected in a collection chamber to be constructed under the proposed STP works. The work for tapping of existing sewer as stated along with laying of new 300 mm dia. DWC, PVC sewer line along with construction of pre-cast RCC chamber in a length of about 500 m shall be part of the project. Tapping from 4 nos of existing nallah/sewer shall be such that only 2 MLD average flow with peak factor of 3 shall be received at receiving chamber. Suitable flow measurement shall be provided accordingly From collection chamber sewage shall be collected in Receiving Chamber and then it will be taken into downstream screens. The function of the Receiving Chamber is to reduce the incoming velocity. Receiving Chamber shall be of adequate size to meet the requirements of workability inside it. The Receiving Chamber shall be water tight to

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Sr. No.	Reference to Clause and Context	Existing Provision	As Amended
			prevent seepage of the sewage out of the Receiving Chamber.
5.	**Volume – II, 1.0 (a) Scope of work: Design, Construction, Supply, Installation, Testing & Commissioning, 2.2 Proposed Treatment Scheme, Page No.182**	**De-gritting** Screened sewage shall gravitate to Grit Separator Tanks for removal of grit and small inorganic particulate matter of specific gravity **above 2.65** and **particle size above 150 microns**. The Grit Separator Tanks shall be of RCC complete with grit washing mechanism, etc. The grit separated shall be properly collected in grit washer and transferred for disposal, residual organics shall be transferred back to inlet of grit chamber.	**De-gritting** Screened sewage shall gravitate to Grit Separator Tanks for removal of grit and small inorganic particulate matter of specific gravity **above 1.8** and **particle size above 100 microns.** The Grit Separator Tanks shall be of RCC complete with grit washing mechanism, etc. The grit separated shall be properly collected in grit washer and transferred for disposal, residual organics shall be transferred back to inlet of grit chamber.
6.	**Volume – II, 1.0 (a) Scope of work: Design, Construction, Supply, Installation, Testing & Commissioning, 2.3 Detailed Scope of Work, Page No.183**	**2.3.1 Design Basis** 6 Finished Ground Level (FGL) at Site **442.000 m**	**2.3.1 Design Basis** 6 Finished Ground Level (FGL) at Site **442.750 m**
7.	**Volume – II, 1.0 (a) Scope of Work: Design, Construction, Supply, Installation, Testing & Commissioning, 2.3.4 Raw Sewage Pumping Station, Page No.185**	1. Receiving Chamber The Receiving chamber shall consist of CI sluice gates with actuators on upstream for flow regulation.	**Deleted**

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Sr. No.	Reference to Clause and Context	Existing Provision	As Amended
8.	**Volume – II, 1.0 (a) PLC Specifications Technical, Page No.208**	**6. SBR Basin** Complete operation and control of SBR plant will be done through a **separate PLC and SCADA.**	**6. SBR Basin** Complete operation and control of SBR plant will be achieved by **common PLC and SCADA** provided for the entire Sewage Treatment.
9.	**Volume – II, Technical Specification for Civil and Building Works (Sewage Treatment Plant) (Part A), Page No. 233**	**1.14 Roadways & Pathways** A comprehensive network of roadways shall be provided around the structures to link in with the existing road network and permit access to the units for necessary maintenance, delivery of consumables and personnel access. All roads shall be of asphalt macadam and minimum **5 metres wide.**	**1.14 Roadways & Pathways** A comprehensive network of roadways shall be provided around the structures to link in with the existing road network and permit access to the units for necessary maintenance, delivery of consumables and personnel access. All roads shall be of asphalt macadam and minimum **3.75 metres wide.**

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