

Addendum/Corrigendum
Clarification on Queries Raised in Pre-Bid Meeting

Name of Work: Planning Design, of STPs, Installation, Erection, Testing & Commissioning of all Civil works, supply, Installation, Erection, Testing & Commissioning of Mechanical, Electrical, Instrumentation, automation work for all the 3 STPs 250, 550, 1100 (2 module of 550 KLD each) on MBBR Technology with tertiary treatment as per latest CPCB/HSPCB/NGT guidelines for reuse/disposal of treated waste water, including online monitoring system, DLP and O&M of works executed for 5 years at Nirvana Country-III, Gurugram			
Event Ref. No: UL/KY/GRG/WildflowerCountryPlots/2024/309			
S.No	Tender Reference	Query	Remark
1.	In NIT the Eligibility Criteria is required:- Experience of having successfully completed similar works during the last 07 (seven) years ending previous day of last date of submission of tenders. (a) Three similar works each costing not less than 40% of the estimated cost of 1100 KLD STP put to tender, OR (b) Two similar works each costing not less than 60% of the estimated cost 1100 KLD STP put to tender, OR (c) One similar work costing not less than 80% of the estimated cost 1100 KLD STP put to tender. “Similar works” shall mean “Design, Supply, installation, testing & Commissioning with tertiary treatment of Sewerage Treatment Plant for Commercial/ Institutional/ Multi-storeyed residential buildings or plotted development”.	Query: What does tertiary treatment of Sewerage Treatment Plant entail? We have experience in SITC of STP 2 MLD SBR Technology expandable up to 6 MLD, inclusive of electro mechanical works. Kindly confirm if this meets the eligibility criteria.	The proposed technology is MBBR. Tertiary treatment includes pressure filter, activate carbon filter, UV & chlorination and is the part of the scope of work. The definition of similar work given is as under. <i>“Design, Supply, installation, testing & Commissioning with tertiary treatment of Sewerage Treatment Plant for Commercial/ Institutional/ Multi-storeyed residential buildings or plotted development”.</i> There is no need to amend the definition of similar work.
2.	-	1. <u>Efficiency and Effectiveness:</u> Both SBR and MBR technologies offer superior treatment efficiencies compared to conventional MBBR systems. SBR, operating in batch mode, allows for excellent control over the treatment process, ensuring high-quality effluent suitable for reuse without the need for tertiary treatment. MBR, utilizing membrane filtration, produces superior effluent quality by effectively removing solids and pathogens. 2. <u>Space Utilization:</u> SBR and MBR technologies require less space compared to MBBR due to their compact design and elimination of tertiary processes. This makes them ideal for urban environments like Nirvana Country-III where space is at a premium. 3. <u>Operational Cost:</u> While initial installation costs for MBR technology may be higher, the long-term operational costs are significantly lower due to reduced chemical usage and maintenance requirements, as outlined in various studies and projects detailed in our attached documents. <u>Attached with this letter are:</u> 1-Completion certificates of various projects based on SBR technology undertaken by our company.	The proposed technology is MBBR. Tertiary treatment includes pressure filter, activate carbon filter, UV & chlorination and is the part of the scope of work. The definition of similar work given is as under. <i>“Design, Supply, installation, testing & Commissioning with tertiary treatment of Sewerage Treatment Plant for Commercial/ Institutional/ Multi-storeyed residential buildings or plotted development”.</i> There is no need to amend the definition of similar work.

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		2-Work order of a significant project based on MBR technology, showcasing our capability and experience in handling such advanced systems. 3-A comprehensive write-up comparing Reed Bed, SBR, and MBR technologies, highlighting their advantages and suitability for different applications in wastewater treatment. Furthermore, we have included annexures from Ministry of Urban Development, NGT, and CPHEEO manuals, emphasizing the endorsement and suitability of modern technologies in meeting stringent effluent standards and urban development benchmarks. We believe that incorporating SBR/MBR technology into this tender will not only enhance the efficiency and reliability of the STPs but also align with the latest environmental standards and regulations mandated by authorities.	