



REPLY TO PRE BID QUERIES FOR“ (I) DESIGN, CONSTRUCTION, ERECTION, INSTALLATION AND SUCCESSFUL COMMISSIONING OF FAECAL SLUDGE & SEPTAGE TREATMENT PLANT (FSSTP) OF CAPACITY 350M3/DAY, NALLAH WASTE WATER TREATMENT OF 2000M3/DAY, SEWAGE PUMPING STATION AND ALL APPURTENANT STRUCTURES AND ALLIED WORKS COMPLETE INCLUDING ONSITE TREATMENT OF NALLAH WASTE WATER AT FOUR(4) LOCATIONS.”

Sl.no	Query	Reply
A. Query By Shri Aloyius Arengh		
1	No of Locations for Septage Treatment it is for 4 location.	1.Umshyrpi River(Municipal filling point, kenches trace)-3.17 MLD. 2. Umkhrah River(Junction of Wahthangnsiang)-0.25 MLD. 3.Umkhrah River(Junction of Wahingdoh)-7.12MLD. 4.Umkhrah River(Junction of Wahdasoi)-0.85MLD
2	No of Pumping Station 1 or 4	Only 1(One) pumping station
3	Drainage/pipe line work scope to be considered or not.	Since the tender includes the design,erection,instalation and commissioning the successful bidder shall consider the requirement and provide the same as part of the contract.
4	Sludge Dewatering Machine any technical specification.	
5	Aeration/Biological Treatment Process should be conversation activated sludge process.	
6	Sedimentation tank design-rectangular/Circular type	
7	Any Chorine disinfection/ozone disinfection	
B Query Greentech Enterprise		
1	In case of Joint Venture (J.V) what would be the qualification criteria for work completed.	Section-5 Bid Data Section,Refer 8.2 & 8.3 Schedule
2	Under Bid Section and as per Clause 8.7 and schedule 4, the experience in project execution that you have provided in your tender document is of very high value. I the entire North East, it will be very difficult to find any party having similar experience and completed such big projects. Since our Govt. has focussed on local development, so it is our request to involve local organizations having similar experience but the criteria for value of work may be relaxed. Besides, the work has provision of O & M services is for 5 years, so the Department will need the after sales service, which can only be provided promptly by local organizations.	O & M services is not included in the package.
3	In J.V, one party can have experience of similar works but not of the value mentioned. Since, it is basically a Civil Construction job, so can the definition of similar works be updated as lead partner having enough experience of STP/FSSTP/faecal sludge but with a reduced value.	Yes
4	It can be seen that the total works consist of both construction of FSSTP and procurement of Cesspool vehicles, which can be considered as supply part only. The FSSTP sections also involve various works at different places for Nallah treatment. So although the work comes under a single order, it can be divided into various parts as well. On that basis, can the eligibility criteria for earlier work completed be reduced to a lesser amount?	The work comes under a single package so it can not be divided into various parts and eligibility criteria for earlier work completed can not be reduced to a lesser amount.
5	How J.V to meet the T.O and Net Worth	Section-5 Bid Data Section,Refer 8.2 & 8.3 Schedule
C East India Udyog Ltd.		
1	Please specify Number of cesspool vehicles and its capacity, specifications for Septage collection from household septic tanks. Also please clarify the frequency of septage collection from each house hold, in an year.	1.Number of cesspool vehicle= 24 Nos 2.Capacity cesspool vehicle 2 Cum= 12 Nos. 3.Capacity cesspool vehicle 6 Cum= 12 Nos. Since O & M services its not include in the tender the frequency of septage collection from each house hold, in an year is not applicable.



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2	Please clarify the area and number of houses for septage collection. Request to provide the project area map also for septage collection.	1.Area = 174 Sq.Km 2.Number of houses for septage collection. Initial Stage (2017) – 395,827 persons. Intermediate stage (2032) – 520,431 persons. Ultimate stage (2047) – 696,704 persons .
3	Please provide Raw Septage quality parameters (design basis), peak flow and average flow per day to be considered for septage treatment.	1.Peak flow per day -350 cmd 2.Average flow per day-350 cmd
4	Please specify detailed scope of work for construction of STP i.e. List of Buildings, Staff Quarters (if any), Approach Road Length, Culverts.	1.Boundary wall + Main Gate + Cattle Trap. 2.Retaining Walls along the drain, protection & road. 3.Approach Road. 4.Box culvert (2 nos) and pipe culverts. 5.Drains. 6.Foot Bridge. 7.Site grading. 8.Supply of misc. items & Laboratory equipments. 9.Common Toilet 10.Area Lighting. 11.Development of Green Belt and land scaping (LS).
5	Please specify detailed scope of work for Raw sewage rising mains (length & Dia, MOC), gravity sewer Line (if any) (length, dia, MOC), Treated Sewage Line (length & Dia, MOC).	Since the tender includes the design,erection,instalation and commissioning the successful bidder shall consider the requirement and provide the same as part of the contract.
6	Please provide Raw Sewage Parameters for Sewage from Nallah (design basis) , peak flow and average flow per day to be considered for raw sewage treatment from Nallah.	1.Umshyrpi River(Municipal filling point, kenches trace)- 3.17 MLD. Peak flow per day -264.17 m3/hour Average flow per day-132.08 m3/hour 2. Umkhrah River(Junction of Wahthangnsiang)-0.25 MLD. Peak flow per day -42.00 m3/hour Average flow per day-14.00 m3/hour 3.Umkhrah River(Junction of Wahingdoh)-7.12MLD. Peak flow per day -1068.00 m3/hour Average flow per day-356.00 m3/hour 4.Umkhrah River(Junction of Wahdasoi)-0.85MLD. Peak flow per day - 127.50 m3/hour Average flow per day- 42.50 m3/hour
7	Please provide the following details for STP: • Treated Sewage Parameters for STP outlet. • Sludge quality for disposal • Disposal location and distance for dewatered sludge • NGL and FGL for STP • Invert level of collection Nallah • Distance between raw sewage pump house and STP • Plot plan Boundary area for STP	Since the tender including the design,erection,instalation and commissioning the intersted bidder need to give the specification.
8	Please provide Treated Sewage Parameters for STP outlet and Treated sludge quality for Disposal.	In view of lake pollution prevent, biological nutrient removal is proposed for reduction of Ammonical nitrogen before discharging in lake and phosphorus removal is also proposed. The BOD \leq 10 mg/l and SS \leq 10 mg/l is proposed considering discharge of treated sewage into river.



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9	Please specify details for “Onsite Treatment of Nalla Waste Water”. <ul style="list-style-type: none"> • Average flow and peak flow at each Onsite treatment location. • Design raw sewage quality for Onsite treatment • Design treated sewage quality for Onsite treatment • Technology preferred for onsite treatment • List of approved vendor onsite treatment technology • Detailed technical specifications and components required for onsite treatment. 	Treated sewage after chlorination will be discharged into Downstream side of Nallah or will be used for gardening. The bypass arrangement will be made for diversion of preliminary treated sewage from common distribution chamber after the grit chambers for discharge into river in case of emergency and shutdown of the plant.
10	Please provide soil investigation report for this project.	Since the tender includes the design,erection,instalation and commissioning the successful bidder shall consider the requirement and provide the same as part of the contract.
11	Please provided Plot Area and Shape for Site allocated for STP.	Since the tender includes the design,erection,instalation and commissioning the intersted bidder need to do site visit and investigate it.
12	We understand that O&M is not in the scope of contractor. Please confirm. If yes please clarify the O&M specifications and number of years for O&M.	O & M services is not included in the package.
13	We understand that during trial run, it is client’s responsibility to collect septage from houses and provide at STP/ Pumping Station. Please confirm.	Yes,during trial run, it is office’s responsibility to collect septage from houses and provide at STP/ Pumping Station.
14	We understand that during trial run period, electricity and Diesel cost will be borne by client. Please confirm.	Yes,during trial run period, electricity and Diesel cost will be borne by the office.
15	We understand that land and ROU/ROW required for this project is in the scope of Employer. Please confirm.	Yes,land and ROU/ROW required for this project is in the scope of Employer
16	Please provide the complete detailed specifications for Civil, Mechanical, Electrical & Instrumentation Items	Since the tender includes the design,erection,instalation and commissioning the successful bidder shall work out the required specifications and obtain the approval of the employer.
17	Request to share us the DPR of this project to clear understanding of requirements.	
18	Please Clarify the scope of Electrical transmission line for STP substation and pumping station. If it is in bidder scope please provide the length of transmission line and nearest Substation for STPs and pumping station. Also Clarify the input voltage level of incoming electrical power supply (33 KV or 11 KV) with fault level.	
19	During the power failure Diesel Generator required for smooth running of STP plants. Is bidder has to consider the Diesel Generator for Plants? Please Clarify. Also Clarify the Selection Criteria for DG Sizing.	Yes bidder has to consider the Diesel Generator for Plants. DG size shall be specified by the successful bidder as per their design.
20	Please Clarify the Scope of Diesel supply for running the Diesel Generator during operation and maintenance. If this is in bidder scope then how much running hours per day may be considered for running the DG?	O & M services is not included in the package.
21	Please clarify whether Central SCADA system and Local SCADA is required to control and monitoring of remote Sewage Pumping Station, form STP location or not? Also please provide the technical specification of PLC and SCADA systems.	Yes, Central SCADA system and Local SCADA is required to control and monitoring of Sewage Pumping Station, from STP location. The technical specification of PLC and SCADA systems shall be specified by the bidder and approved by the employer.
22	Please provide the Technical Specification of electrical equipment’s and Instruments	Since the tender includes the design,erection,instalation and commissioning the succesful bidder shall work out the specifications.



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23	Please Clarify Whether bidder has to provide Sewage testing lab in STP plant? If yes then please provide the lab equipment list.	Yes, Sewage testing lab in STP plant is required. Bidder is to specify the requirement as part of the design.
24	Please clarify whether online continuous treated sewage quality monitoring system is required to monitor the treated sewage parameter (Flow, PH, Total Suspended Solids (TSS), Chemical Oxygen Demand (COD), Biological Oxygen Demand (BOD)) and display the treated sewage parameter at central / State pollution control board.	Yes, online continuous treated sewage quality monitoring system is required
25	As per Bid document at several places, there is mention of O&M for 5 Years under the scope of contract but at other places mentioned below it appears O&M for 5 years is not part of the proposed contract. (i) As per NIT name of work the O &M is not part of this work (ii) There is no provision for quoting for price for O&M in the schedule of price. (iii) In the draft of acceptance bid document at annex , there is no mention of O&M. (iv) In the price breakup given at clause no. 7of special condition of contract there is no breakup for payment for O&M out of quoted prices. The price breakup covers our construction & commissioning of works.	O & M services is not included in the package.
26	We request you to provide for price variation clause to get competitive bid by avoiding speculative provision for the price. This would take care of the interests of employer & the contractor.	Not applicable
27	Kindly Specify the Nos with capacity and specification of cesspool vehicles	1.Number of cesspool vehicle= 24 Nos 2.Capacity cesspool vehicle 2 Cum= 12 Nos. 3.Capacity cesspool vehicle 6 Cum= 12 Nos.
28	Please provide details of quantity, size, area, scope & specification of ancillary work shown in BOQ item E.4	Since the tender includes the design,erection,instalation and commissioning the bidder shall work out the approximate quantities before bidding
29	As per TD & Price Schedule, The On site treatments of Nallah Waste Water at 4 locations are in the scope work. But the details specification, cross section, drawing, discharge and technical parameter has not been provided in TD. Kindly provide the details cross-section & technical parameter of 4Nos Nallah	1.Umshyrpi River(Municipal filling point, kenches trace) LxBxD- 2.10mx2.10mx1.50m 2. Umkhrah River(Junction of Wahthangniang)- (LxBxD) - 4.30mx4.30mx1.50m 3.Umkhrah River(Junction of Wahingdoh)-(LxBxD) - 1.50mx1.50mx1.50m 4.Umkhrah River(Junction of Wahdasoi)-(LxBxD) - 0.90mx0.90mx1.50m
30	Kindly provide/clarify the characteristics of the influent water for the proposed STPs and required performance parameters of effluent at the outlet of the STP and what shall be the provision for the disposal or reuse of the treated water.	In view of lake pollution prevent, biological nutrient removal is proposed for reduction of Ammonical nitrogen before discharging in lake and phosphorus removal is also proposed. The BOD \leq 10 mg/l and SS \leq 10 mg/l is proposed considering discharge of treated sewage into river.
31	Kindly clarify the technical specifications of the Solids, FOG obtained after the solid separation of the septage sludge and norms for further disposal to the allocated site as well as the distance of the allocated disposal site.	Since the tender including the design,erection,instalation and commissioning the intersted bidder need to do site visit and investigate it.

Chief Executive Officer
Shillong Municipal Board