<table>
<tr><th>Sr. No</th><th>Section/ Clause No/ Page No</th><th>Tender Description</th><th>Queries</th><th>Response from Client</th></tr>
<tr><td>1.</td><td>Section 6, Table 3, Page 15

Addendum-3, S.No 10</td><td><u>Table 3: Purification Requirements of WWTP Tukucha Khola:</u>
<table>
<tr><th>SN</th><th>Parameter</th><th>Limit</th><th>Unit</th><th>Min. Purification Efficiency</th></tr>
<tr><td>4</td><td>BOD_5</td><td>25 mg/l or 5% of inflow BOD_5 which is less</td><td>mg/l</td><td>95%</td></tr>
</table>
During the preparation of the project several samples were collected from the raw sewage. The BOD concentration was in a range of BOD = 200 to 500 mg/l. These values are in the range of standard wastewater characteristics. Consequently the requested efficiency is feasible.
No industrial companies are located in the catchment area of Tukucha Khola.</td><td>We understand that:
a. Plant will be designed for the inlet BOD range of 200 to 500 mg/l

b. Bidders will be exempted from achieving the performance guarantee when the BOD ranges are beyond the ranges specified. i.e. BOD< 200 mg/L, and BOD > 500 mg/L.

Please confirm</td><td>Requirement of 95% BOD reduction shall not be applied for BOD inflow concentration BOD < 200 mg/l</td></tr>
<tr><td>2.</td><td>Section 6, Table 3, Page 15</td><td><u>Table 3: Purification Requirements of WWTP Tukucha Khola:</u>
<table>
<tr><th>SN</th><th>Parameter</th><th>Limit</th><th>Unit</th><th>Min. Purification Efficiency</th></tr>
<tr><td>7</td><td>COD</td><td>125 mg/l or 15% of inflow BOD5 which is less</td><td>mg/l</td><td>85%</td></tr>
</table></td><td>We understand that:
a. Plant will be designed for the inlet COD range of 475 to 825 mg/l

b. Bidders will be exempted from achieving the performance guarantee when the COD ranges are beyond the ranges specified. i.e. COD< 475 mg/L, and COD > 1000 mg/L.

Please confirm</td><td>Requirement of 85% COD reduction shall not be applied for bio degradable COD inflow concentration COD < 400 mg/l</td></tr>
</table>

<table>
<tr><th>Sr. No</th><th>Section/ Clause No/ Page No</th><th>Tender Description</th><th>Queries</th><th>Response from Client</th></tr>
<tr><td></td><td>Addendum-3, S.No 9</td><td>During the preparation of the project several samples were collected from the raw sewage. The COD concentration was in a range of COD = 475 to 825 mg/l. These values are in the range of standard wastewater characteristics. Consequently the requested efficiency is feasible.</td><td></td><td></td></tr>
<tr><td>3.</td><td>Section-6 – Employer's Requirements, Cl. 2. Design Parameters, Page 14

Addendum 1: Prebid Clarifications, Sl. Not 39

Addendum-3, S.No 10</td><td>The wastewater characteristics correspond to municipal sewage with low industrial contribution.

"The wastewater will have only little industrial share".

No industrial companies are located in the catchment area of Tukucha Khola</td><td>Bidder understands that as per the latest Clarifications 3, the wastewater in Tukucha khola is completely domestic in nature with NIL Industrial effluent mix.

Please confirm.</td><td>Currently no industrial inflow is registered. The waste water composition is mainly domestic with some commercial inflow</td></tr>
<tr><td>4.</td><td>Section 6: Employers Requirements: Table 3 : Page 15.

Section 6: Employers Requirements: Clause 4: Wastewater Quality testing and monitoring.</td><td><u>Table 3: Purification Requirements of WWTP Tukucha Khola:</u>
<table>
<tr><th>SN</th><th>Parameter</th><th>Limit</th><th>Unit</th><th>Min. Purification Efficiency</th></tr>
<tr><td>3</td><td>Total Suspended solids (TSS)</td><td>35 mg/L</td><td>mg/l</td><td>-</td></tr>
</table>
"This control of respecting the effluent limits can be done with grab samples as well as 24 h (00:00 a.m to 12:00 p.m) composite samples collected proportional to the flow."</td><td>Bidder understands that the TSS discharge limits of 35 mg/L has to be respected with 24 h composite samples only, as similar to BOD and COD. Please confirm.</td><td>TSS shall be measured in 24 h composite sample(inflow and outflow)</td></tr>
</table>

Sr. No	Section/ Clause No/ Page No	Tender Description	Queries	Response from Client
5.	Volume-1, Section-4, Pg 4-41	**Schedule of Performance Guarantees:** Input KPI 2: Guaranteed Min. Onsite Electricity Production Rate from Biogas. 40% (Min)	Since Biogas production is based on the influent flow and the organic pollutant loads, we understand the requirement of 40% of power generated from Biogas is also related to loads dependent on organic loads like specific Energy consumption, and fixed power will not be considered.	Fixed energy consumption like e.g for light will not be considered for the calculation of 40% energy consumption coverage
6.	Volume-1, Section-4, Pg 4-41	**Schedule of Performance Guarantees:** Input KPI 2: Guaranteed Min. Onsite Electricity Production Rate from Biogas. 40% (Min)	The Guaranteed Min. Onsite Electricity Production Rate from Biogas (40%) basically depends on the incoming pollutant loads and varies with variations in the incoming loads. During low organic loading conditions, biogas generation will reduce drastically. However, the specific power consumption will not drop significantly. Therefore, during such low organic loading situations, the Guaranteed Min. Onsite Electricity Production Rate from Biogas = 40% (Min) cannot be established, nor predicted. Bidder therefore request Client to modify this requirement of KPI 2 by introducing a correction factor to apply at varying loads and allowing the bidder to state his Guaranteed Min. onsite Electricity Production Rate from Biogas.	Since energy consumption and biogas production correlate to the inflow pollution. Biogas shall be stored in a biogas holder to cover periods with lower gas production. Fixed power consumption that does not vary with the pollution load (like e.g . electricity for light) will not be considered for the calculation of the 40% coverage
7.	Addendum-2, Pre bid reply clarification-2, S.No 7	The code reference for 43 grade cement is IS code 8112:1989. The code of reference for 53 grade cement is IS code IS 12269, both of them	Based on the clarification, we presume both the types of cement can be used. Further other waste treatment plants in	Base design requirement is already stated in bidding

Sr. No	Section/ Clause No/ Page No	Tender Description	Queries	Response from Client
		can be used as specified. Sulphate resistant cement has to be used. The procured cement has to comply as per Indian standard IS 12330-1988. The necessary tests have to be done and results compared with IS 12330-1988 to maintain quality at site	Nepal, OPC was used for RCC works. Hence we presume OPC can be used in RCC works with necessary corrosive protective coating where ever required. Please confirm.	documents. As this is design and build contract it is bidder's responsibility to propose the type of cement as per their own design considering the durability of the structures.