

## QUESTIONS AND ANSWERS REPORT

<b><u>To:</u></b>	Bidders
<b><u>From:</u></b>	UNDP Lebanon
<b><u>Subject:</u></b>	Construction of New Sewer Lines in Kharayeb, Lebanon
<b><u>Reference:</u></b>	LEB/CO ITB/143/14
<b><u>Date:</u></b>	Tuesday 6 <sup>th</sup> January 2015

UNDP Lebanon Procurement Unit has received several questions regarding the subject Tendering Procedure. All questions received to-date are documented below with respective answers.

Questions and Answers		
1	Q.	The concrete encasement around the pipe is said to be 50x50 in the detailed drawing while its dimensions look to be 55x55, and in the maps there is a note written at each sewer line RC-70x70. Please inform us which one to follow.
	A.	<b>The concrete encasement is 50x50 subjected to variation due to site conditions (knowing that works are applied inside a river channel).</b>
2	Q.	In the detailed drawing for the manhole u have written that the dimension of the manhole is 120x120 but isn't the length of the manhole related to its invert level and the cover level.
	A.	<b>The minimum clear opening of the manhole is 80cm, if we add the wall thicknesses to it became 120. For sure depth depends to invert and cover levels.</b>
3	Q.	Just clarify whether the invert level in the profile is the lowest point in the pipe and the cover level is the top of the manhole. Thanks for your help
	A.	<b>The invert level is indeed the lowest point of the pipe. And the cover level is the top of the ground level (top of manhole in fact).</b>
4	Q.	The permissions for Equipment (Concrete Truck mixer, Concrete pumps and etc....) to move inside the private land, the responsibility of whom? Because there is many segment of the sewer line track, we can't reach it without making access roads.

	A.	Access will be granted by the municipality itself. An engineer from the municipality will be present daily for your assistance.									
5	Q.	Regarding the width of the river to be cleared, is it to remove all the debris and soil from the 10 m width or just to clean the required width to allow the execution of the UPVC 300 mm sewer pipe line.									
	A.	The greeneries and herbs should be removed from the whole width; you should install the PVC pipes as per site recommendations (no need to remove all soil from the 10m width from most of the cases).									
6	Q.	Regarding the Dimensions and the steel bars distribution in the Manhole Section to be confirmed, because there is a Contradiction between the BOQ and the Drawings.									
	A.	<p>Please we need you to stick to the drawings; the measurements of the manholes and their reinforcement are mentioned on the drawings.</p> <table> <tr> <td>Foundation:</td><td>thickness 15cm</td><td><u>T14@12.5</u> (Both Directions- Two Layers)</td></tr> <tr> <td>Walls:</td><td>thickness 15cm</td><td><u>T12@12.5</u> (Both Directions- Two Layers)</td></tr> <tr> <td>Cover Slab:</td><td>thickness 10cm</td><td><u>T12@12.5</u> (Both Directions- One Layer)</td></tr> </table>	Foundation:	thickness 15cm	<u>T14@12.5</u> (Both Directions- Two Layers)	Walls:	thickness 15cm	<u>T12@12.5</u> (Both Directions- Two Layers)	Cover Slab:	thickness 10cm	<u>T12@12.5</u> (Both Directions- One Layer)
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