

To: [name of entity which submitted Form A / submitted RFC]

[Date]

**Kisalon 2 Pumping Station  
Tender No. R-19/2015  
Design, Supply, Installation and Commissioning of Electrically Operated Pumping  
Units and Associated Services**

**Addendum and Clarification #10**

Pursuant to the provisions of Section 16.3 (Amendment of Tender Documents) of the RFP, Tenderers are hereby informed of the following amendments and clarifications to the Tender Documents.

In accordance with Section 16.3.5, this addendum shall constitute an integral part of any Tenderer's Proposal.

**Notice to Tenderers:**

Tenderers are advised that MWC is considering the manner by which pumping units shall be procured by it for the "Ein Karem" pumping station. Such procurement, if initiated by MWC, shall constitute a separate procurement process, whether by tender or otherwise, all as may be determined by MWC. Tenderers participating in this "Kisalon 2" tender process, including the Preferred Tenderer / Supplier selected by MWC, will not be prohibited from participating in such future procurement process – should such be initiated - or from successfully entering into a supply agreement therefor, provided it meets all requirements included in such process, as applicable.

Amendments to the RFP		
Section 2.4	Mandatory Tenderers' Conference	18 January 2016
Time Schedule		

	<p>Last date for submission of queries and requests for clarifications regarding the Contract Documents</p>	<p><del>7 April 2016</del> <u>9 June 2016</u></p>
	<p>Submission Date</p>	<p><del>10 May 2015</del> <u>30 June 2016</u> between 09:00 and 16:00 (local time)</p>
<p>General comment in relation to Section 16.2 (Tenderer's Requests for Approval of Alternative Components)</p>	<p>It is noted that no applications were submitted to MWC for approval of any alternative components in accordance with Section 16.2 of the RFP. Accordingly, if a tenderer intends to propose any alternative components, he may do so by no later than 9 June 2016 in the form of an RFC. Alternative components which were not approved by MWC in the RFC process prior to the Submission Date shall not be accepted.</p>	
<p>Section 2.6 Order of Precedence</p>	<p>Add the following paragraph at the top of this Section 2.6: <i>"Unless otherwise instructed by MWC, at its sole discretion, Volume 1 (Request for Proposals) and Volume 2 (Contract) shall take precedence over Volume 3 (the Supplier's Proposal)."</i></p>	
<p>Section 3.3</p>	<p>Add the following paragraph at the end of this Section: <i>"In the event of any discrepancy between the information submitted within the RFP Tender Forms and any supplementary information, should such be submitted, then the information within the RFP Tender Forms shall take precedence."</i></p>	
<p>Section 10.2</p>	<p>Please amend as follows: <i>"In the event that the Tenderer is JV, it may submit up to three (3) Tender Bonds (according to the number of its Members), each issued on behalf of one Member, <u>part of the Members</u> or all Members <u>constituting the JV</u>, which in aggregate will amount to the total sum indicated in Clause <u>שגיאה! מקור ההפניה לא נמצא</u>. It is hereby clarified that the foregoing will not be construed or inferred as derogating from MWC's rights pursuant to the Tender Documents, or as affecting in any way, limiting or imposing any obligations</i></p>	

	<p><i>whatsoever, on the ability to forfeit any or all of the securities issued herewith. In addition, such consent shall not be deemed to obligate MWC to forfeit such bonds pro-rata to their respective share of the total amount of the Tender Bonds.”</i></p>
<p>Section 10.3</p>	<p>Please amend this Section as follows:</p> <p><i>“10.3 The Tender Bond shall come into effect, at the latest, as of the Submission Date and shall remain valid for at least six (6) months after the Submission Date. MWC may demand at its sole discretion the extension of the Tender Bond by an additional ninety (90) Days.</i></p> <p><del><i>In the event the Submission Date is postponed by MWC, in accordance, inter alia, with the provisions of Section 22.1 (Postponement of Dates) it may require that the Tender Bond remain valid, at the latest, as of the postponed Submission Date and until ninety (90) Days thereafter.</i></del></p> <p><i>In any event any change regarding the Tender Bond including with respect to its effect period shall be subject to the issuance of an instruction by MWC.”</i></p>
<p>Section 14.1.2 Stage 2 – Life Cycle Analysis and Price Proposal</p>	<p>Please amend this Section as follows:</p> <p><i>“The Proposals of the Tenderers who meet the Threshold Requirements, shall be evaluated and scored based on a Life Cycle Cost (LCC) analysis, taking into consideration the sum of the initial investment cost of the pump units (proposed price) and the energy costs throughout the expected life of the pumping equipment, calculated as present value.</i></p> <p><i>Calculation shall be as follows:</i></p> $TC = INV + 87.4 \times \sum_{i=1}^{20} \frac{Ey_i}{(1.075)^i}$ <p><i>Where:</i></p> <p><i>TC - Total Cost (US\$)</i></p>

*INV - The sum indicated in the Price Proposal converted to US\$ based on the currency exchange rate on the Submission Date as shall be published by the Bank of Israel (<http://www.boi.org.il>).*

*87.4 - represents the average (weighed) price of energy: 87.4 (US\$/MWh)*

*E<sub>y</sub> - Annual energy consumption (MWh/year)*

*The annual energy consumption of the Pumping Station shall be calculated with the following equation:*

$$E_y = \frac{2.75 \times V_y \times H_a}{\eta_p \times \eta_m}$$

*Where:*

*E<sub>y</sub> - Annual energy consumption (MWh/year) for the Pumping Station (all four Pumping Units as a total)*

*V<sub>y</sub> - Total annual output (million m<sup>3</sup>/year) – as stipulated below*

*H<sub>a</sub> - Annual average total head (m) –Calculated from the curve "Total Head – Flowrate" for a flowrate as stipulated below*

*η<sub>p</sub> - Pump efficiency at the average total head (H<sub>a</sub>) – Calculated from the curve "Efficiency – Flowrate" for a flowrate as stipulated below. The curves shall be as submitted under item 8 of Tender Form J (Technical Specification - Supplier's Information and Checklist)*

*η<sub>m</sub> - Motor efficiency - as proposed by the Tenderer in item 72 of Tender Form J (Technical Specification - Supplier's Information and Checklist) at 75% load.*

*The calculation shall be based on the following data:*

	<ul style="list-style-type: none"> <li>• <i>Expected life span of the pumping units: 20 years (2020-2039)</i></li> <li>• <i>Total average annual output of the pumping station:</i> <ul style="list-style-type: none"> <li>- <i>142 million m<sup>3</sup>/year during the first 10 years</i></li> <li>- <i>160 million m<sup>3</sup>/year during the next 10 years</i></li> </ul> </li> <li>• <i>Half of the annual output is pumped by 3 units working in parallel at 32,000 m<sup>3</sup>/hour on average and half of the annual output is pumped by 2 units working in parallel at 23,000 m<sup>3</sup>/hour on average.</i></li> <li>• <i>Annual average head: according to the above mentioned flow rates and to the proposed pump curves (see Appendix 1 of the Technical Specification as an example), as proposed by the Tenderer in its "<u>Total Head – Flowrate</u>" curve submitted under item 8 of Tender Form J (Technical Specification - Supplier's Information and Checklist)"</i></li> </ul>
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Amendments to the RFP Tender Forms	
Tender Form J “Instructions for completing this form.”	Amend instruction no.3 to read as follows: “3. <i>The items <del>6, 7</del>, 8 and 72 will be used to evaluate and score the proposals based on Life Cycle Cost analysis (LCC). See Clause 14.1.2 in the Request for Proposals.</i> ”
Tender Form J “Instructions for completing this form.”	Add instruction no.4 as follows: “4. <u>Item 6 shall be used as the value of the Guaranteed Efficiency (“GE”) in the Contract Appendix I (Efficiency Drop Rebate).</u> ”
Tender Form J	The item description is to be amended as follows:

Item no. 6	<i>“Pump efficiency at rated condition point (%) – <u>to be used as the value of the Guaranteed Efficiency (“GE”) under Contract Appendix I (Efficiency Drop Rebate)</u>”</i>
Tender Form J Item no.8	Delete the item description and replace with the following description: <i>“<u>4 Pump characteristic curves for the full flow range: (a) Total head – Flow Rate, (b) Efficiency – Flow Rate, (c) Absorbed Power, and (d) NPSHR</u>”</i>
The amended Tender Form J is attached hereto as <b>Annex B</b> .	

Amendments to the Appendices to the Contract	
Appendix B Technical Specification Section 3.5.4	Amend as follows: <i>“The Proposal shall be based on the materials <u>or optional materials</u> as specified above. However the Tenderer could propose, based on his experience in similar conditions, materials other than those <u>materials or optional materials</u> specified above, if he considers them better suited for the intended purpose and guarantees their quality, durability and performance. In this case, the Tenderer shall request Mekorot's approval for such alternative materials before submission of Proposal, attaching all the necessary information (standards, specification etc.) about the proposed materials.”</i>
Appendix B Technical Specification Annex 3 (Alternative Components Requiring the Prior Approval of MWC)	In the first sentence, the reference to Section 14.2 of the RFP is to be deleted and replaced with reference to <u>Section 16.2 of the RFP</u> .

**Tenderers are to complete and return the Acknowledgement of Receipt attached below as Annex A to MWC's TCC.**

**Annex A**  
**ACKNOWLEDGEMENT OF RECEIPT**

Date: \_\_\_\_\_

To: MWC's TCC Mrs. **Lihl Cohen**, Tender Committee Coordinator, 9 Lincoln St., Tel Aviv 61201, Israel. Tel: 972-(0)3-6230650 Fax: 972-(0)3-6230568

E-mail: [lcohen@mekorot.co.il](mailto:lcohen@mekorot.co.il).

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**Tender No. R-19/2015**  
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**Addendum and Clarification #10**

We hereby acknowledge receipt of Addendum and Clarification **#10**

\_\_\_\_\_  
Name of entity

\_\_\_\_\_  
Name and signature of representative



**Annex B**  
**Tender Form J as amended**