

01/02/2022

**Public Tender No. 22000479**

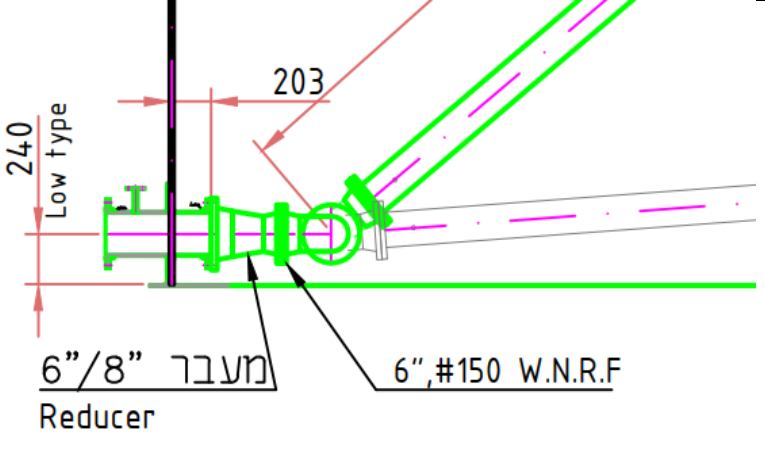
**Goods: INTERNAL FLOATING ROOF & 6" FLOATING SKIMMING ARM**

Please see below EAPC clarifications and replies to questions and comments received from potential participants:

EAPC replies and clarifications below become an integral part of this Tender and will force the bidders.

**EAPC Replies**

	Question	Reply
1.	The demand is to provide materials and send a Supervisor during the installation. Who will install the materials?	A Contractor which will be chosen by EAPC
2.	The products stored in the tank are very diverse, including water and crude oil. Important might be the possible need to install wax scrapers on the primary seal. Nothing is mentioned about this. See attached engineering letter about the storage of crude oil in the tank. Are wax scrapers necessary?	Please follow the technical specification, the wax scraper is not mandatory, but can be submitted as an option
3.	Another important aspect is that when (waste) water is stored, a minimum layer of approximately 5 cm of hydrocarbons remains behind in the tank. The reason for this is that no water should come into contact with aluminum. Can you please confirm?	EAPC cannot approve that there will be a constant 5cm hydrocarbon, there is an option that the will be no hydrocarbon left after skimming.

4.	For this reason we also recommend a full stainless steel skimmer (now the swivel is made of aluminum) . Pls. advise	Acceptable, can be submitted as an option
5.	Who is / will be the contractor to install the Internal Floating Roof & Floating Skimming Arm?	. A Contractor which will be chosen by EAPC
6.	The Procedure refers to 6" Floating Skimming Arm, where drawing 1152 indicates 8". Please advise.	 <p>Skimming Arm 6"</p>
7.	The dimensions in the drawings require revisiting / new measurement to be done by the Vendor as part of the offer, or can be used for production as is?	<b>Measurement to be done by the Vendor as part of the offer.</b>
8.	<b>Section 3.6:</b> All the vertical accessories and devices that penetrate the floating roof shall be sealed by special elements mechanized – <b>please clarify meaning of “special elements”</b>	Suitable to the technical specification
9.	<b>Section 3.7:</b> The floating roof shall be fitted with manhole for access the tank when the roof is on its supports – <b>Does the roof require also adjustable support legs except of the adjustable cable?</b>	No

10.	<p><b>Section 3.9</b></p> <p>The floating roof shall be fitted with ladder pad design and install as to allow the installation of a fix ladder from the roof manhole – <b>What kind of pad is needed? Please clarify</b></p>	In order to avoid floor damage
11.	<p><b>Section 3.12</b></p> <p>The vents diameter shall be size to the maximum filling or emptying rates – <b>What is the diameter specified by the designer?</b></p>	Should be calculated by the roof supplier according to the inlet and outlet flow
12.	<p><b>Section 3.13</b></p> <p>The vendor shall supply the following accessories to the dome roof – <b>is the roof a fixed steel roof or a doom roof?</b></p>	fixed steel
13.	<p><b>Section 3.13</b></p> <p>Roof panel access hatch (frame and cover) made of steel with all the accessories – <b>What accessories? Please specify.</b></p>	Supplier design
14.	<p><b>Section 3.13</b></p> <p>Tank circulation vents made of steel, factory prime painted and fitted with stainless steel locking device – <b>are these the vents specified at section 5.1? if not, please elaborate.</b></p> <p><b>To reduce transportation costs, I ask that this section will be modified to <u>design only</u>, and to sign fabrication to the contractor that will be erecting the tank.</b></p>	These are the vents specified at section 5.1
15.	<p><b>Are there any mixers installed at the tank? If yes, what is the internal flow generated by them?</b></p>	<b>No mixer is currently installed, but there is an option to install a mixer like JENSEN_321-VA-25 [25H.P.]</b>
16.	<p>Will Crude Oil actually be stored in the tank?</p>	<b>It is possible</b>

17.	In case of slops (or other products with water content) what will be the minimum of hydrocarbons remaining in the tank?	<b>It depends on the construction of Skimmer</b>
18.	What is the material for the Skimmer?	<b>Stainless steel 316 or aluminum</b>
19.	Please confirm whether you require a SKIMMER or a FLOATING SUCTION LINE for this project?	<b>SKIMMER</b>
20.	A SKIMMER removes/withdraws product at a level of 50mm below the liquid level.  A FLOATING SUCTION LINE removes/withdraws product @ approximately 1-1/2 pipe diameters below the liquid level.  Which type do you require?	<b>A SKIMMER</b>
21.	What is your purpose of the SKIMMER/FLOATING SUCTION LINE?	<b>Collect accumulated fuel and transfer to another fuel tank</b>
22.	What is it meant to do when in operation?	<b>The picture is schematic, for illustration only</b>

23.	<p>Amongst others, Crude Oil will be stored. Based on Crude oil products we should quote the following:</p> <p>a. IFR primary seal with wax scraper to reduce wax deposits on the shell</p> <p>b. Instead of standard XPE secondary wiper seal a NBR wiper seal is required which withstands the Crude oil</p>	<p><b>a. The scraper is not mandatory</b></p> <p><b>b. NBR is acceptable in a quote</b></p>
24.	<p>Aluminium swings joint is requested in the tender specification</p> <p>a. Due to the possibility of storing Crude Oil as well as some water qualities we recommend to install, and therefore change the MR. to full SS304L</p>	<p><b>Full Stainless steel is acceptable in a quote</b></p>
25.	<p>Due to the possible storage of several water qualities and the MR of an aluminium IFR a specific need of a hydrocarbon layer of at least 50mm to protect the aluminium from water.</p>	<p><b>This figure should be taken in a quote</b></p>
26.	<p>Please find the following CTS documents for support the above questions and for your information:</p> <ul style="list-style-type: none"> <li>- CTS Datasheet of the full contact (HC) IFR's</li> <li>- CTS Datasheet of Floating suction lines and skimmers</li> <li>- CTS Engineering letter about IFR's in Crude oil services</li> </ul>	<p><b>Please following to technical specifications.</b></p> <p><b>These are full contact IFR's in Crude oil &amp; drainage water service, floating suction lines with skimmer</b></p>