



Petroleum & Energy Infrastructures Ltd.  
Oil Products Pipeline Ltd.

**Finance Division - Procurement & Engagements Department**

July 9, 2020

Ref.: 245377

To: All Tender Participants

Dear Sir / Madam,

**Re: Public Tender No. 015-20 (the "Tender") – Modifications and Clarifications #1**

This notice ("**Notice**") from Petroleum and Energy Infrastructures Ltd. and/or Oil Products Pipeline Ltd. (the "**Company**") includes certain clarifications and updates regarding the Tender. Any term herein which is defined in the Tender Documents (as defined in the Tender) has the meaning ascribed to such term therein, unless and to the extent otherwise defined herein.

**Modifications to the Tender**

After consideration of circumstances including feedback received from some bidders, **the Company has approved the following modifications to the Tender**. Please note that these modifications include the full details regarding the new Bill of Quantities and updated Submission Deadline.

	<b><u>Issue</u></b>	<b><u>Modification</u></b>
1	Bill of Quantities	For the purposes of the Tender, the Bill of Quantities attached to this Notice as <b><u>Exhibit A</u></b> replaces in its entirety the Bill of Quantities originally attached to the Tender, which is no longer applicable.
2	Submission Deadline	The Submission Deadline for this Tender is extended to July 21, 2020.

**Clarifications**

The Company has received certain requests for clarification regarding the Tender, in accordance with Section 5.1 thereof, provided below (the "**Questions**"). Next to each Question is the Company's answer, which shall be considered by the Company as authoritative.





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	<b><u>Question</u></b>	<b><u>Answer</u></b>
1	Kindly clarify for item 8: 17461 SLAB GATE POSITIVE SEAL D.B.B. 16 inch #150 133231: shall it be gear operated or Rotork electric actuator operated?	Rotork electric actuator operated is required for this item – as specified in the revised Bill of Quantities attached hereto as Exhibit A.
2	"The Vendor list (ANNEX F) – is missing the plug DBB vendor list."	Included in the attached is an updated list of Approved Manufacturers.
3	The delivery has been stated as CIF Haifa, as CIF defined: <b>CIF: Cost, Insurance and Freight</b> , please confirm the goods will be delivered "not including the custom clearance."	The terms applicable to "CIF" under Incoterms 2010 apply to the Tender.
4	Request to extend the Submission Deadline until July 28, 2020.	The request is denied. However, as noted above, the Submission Deadline has been extended until July 21, 2020.
5	Request to extend the Final Delivery Date to 30 weeks following the Supplier's receipt of the Order, rather than 24 weeks, as stated in the Tender Documents.	The request is denied.
6	Request to approve - during the clarification stage prior to submission of bids - specific manufacturers which were not included in the list of Approved Manufacturers.	This request is denied. Verifying whether or not a particular manufacturer (other than an Approved Manufacturer) meets the Tender's preconditions is done only once bids have been submitted.

Thank you for your continued interest in the Tender; we look forward to receiving your bids.

Sincerely,

Talmor Sela

Procurement and Engagements Department





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Finance Division - Procurement & Engagements Department

## EXHIBIT A

### REVISED BILL OF QUANTITIES

#### **Approved manufacturers:**

Pursuant to Section 3.6.1 of the Invitation, the following are approved manufacturers for this Tender:

Type	Approved Manufacturers
Ball valves	Cameron; SPX; Valvitalia; Della Foglia; MSA; Habonim
Gate valves	Cameron; SPX; Valvitalia; MSA.
Check valves	Cameron, SPX; Valvitalia.
Globe & Control valves	Cameron; SPX; Emerson, Severn Glocon
Plug valves	Control Seal; General Valve -Cameron; Franklin valves

**Note:** Any Manufacturer who does ***not*** appear on this list ***must*** meet the requirements of Section 3.6.3 of the Invitation, and ***each*** such Manufacturer must complete a declaration in the form of Annex E, which must be submitted together with the bid. The term “**Manufacturer**” has the meaning ascribed thereto in Section 3.6.4 of the Invitation.



**Bill of quantities**

	P/N	Description	spec.	qty. / unit	currency	unit price	total price
		<b>2-2000092</b>					
1	21708	Regulation Globe control valve "10 300# RF	95937-v2	1.00			
2	21126	Gate valve,parallel expanding,6" #600,rotork electric operated	133231-v10	1.00			
3	21703	expanding gate valve 10 inch #300 rotork operated	133231-v10	1.00			
4	17459	SLAB GATE POSITIVE SEAL D.B.B. 10 inch #150 ROTORK OPERATED ACCORDING TO SPEC	133231-v10	1.00			
5	21702	expanding gate valve 12 inch #300 rotork operated	133231-v10	1.00			
6	17558	Ball valve 10 inch #600 hand operated acc to spec	122314-v10	1.00			
		<b>1-2000235</b>					
7	17459	SLAB GATE POSITIVE SEAL D.B.B. 10 inch #150 ROTORK OPERATED ACCORDING TO SPEC	133231-v10	1.00			
8	17461	SLAB GATE POSITIVE SEAL D.B.B. 16 inch #150	133231-	1.00			
9	25490	slab gate valve 24 inch DBB #150 rotork operated acc to spec	133231-v10	1.00			
10	21702	expanding gate valve 12 inch #300 rotork operated	133231-v10	1.00			
11	17365	EXPANDING GATE VALVE D.B.B. 8 inch #600 ROTORK OPERATED ACCORDING TO SPEC	133231-v10	2.00			
12	21124	Gate valve,parallel expanding,12" #600,rotork electric operated	133231-v10	1.00			
13	21647	Check valve 8" #600	105980-v6	1.00			
14	21644	check valve 10 inch ,#600 according to spec	105980-v6	1.00			
15	21824	pump suction pressure control valve 4" 600# acc' to spec	95937-v2	1.00			
		<b>1-2000337</b>					
16	17426	Gate valve parallel expanded , DB&B, 6 inch #600 With ROTORK Electric actuator, according to spec.	133231-v10	3.00			
17	17492	Swing check valve, 6 inch , #600 , according to API-6D	105980-v6	2.00			
18	21165	Ball valve 6" #600,hand operated	122314-v10	8.00			
19	21425	3pieces ball valve ,F.B'4",600#gear op acc to spec	122314-v10	3.00			
20	21160	Ball valve 4" #150 Hand operated	122314-v10	1.00			
21	17493	swing check valve API 6D; 4 inch ; 150# .	105980-v6	1.00			
22	23488	Swing check valve, 4 inch , #600 , according to API-6D, spec. #141386	105980-v6	1.00			
23	17433	Gate valve, parallel expanded, DB&B 4 inch , #600 with rotork, according to spec.	133231-v10	1.00			
		<b>2-2000019</b>					
24	21126	Gate valve,parallel expanding,6" #600,rotork electric operated	133231-v10	2.00			
		<b>1-2000539</b>					
25	17365	EXPANDING GATE VALVE D.B.B. 8 inch #600 ROTORK OPERATED ACCORDING TO SPEC	133231-v10	1.00			
		<b>1-2000376</b>					
26	17563	Ball valve 6 inch #600 + ROTORK operator acc to spec. #32216	122314-v10	1.00			
27	21126	Gate valve,parallel expanding,6" #600,rotork electric operated	133231-v10	2.00			
28	17459	SLAB GATE POSITIVE SEAL D.B.B. 10 inch #150 ROTORK OPERATED ACCORDING TO SPEC	133231-v10	2.00			
29	17460	SLAB GATE POSITIVE SEAL D.B.B. 12 inch #150 ROTORK OPERATED ACCORDING TO SPEC	133231-v10	2.00			
		<b>1-2000681</b>					
30	17459	SLAB GATE POSITIVE SEAL D.B.B. 10 inch #150 ROTORK OPERATED ACCORDING TO SPEC	133231-v10	2.00			
		<b>1-2000794</b>					
31	17388	GATE VALVE 20 inch 150# ROTORK OPERATED according to spec.	144446-v8	1.00			
				<b>Total price</b>			

**Option**

<b>Total price option</b>
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## Slab Gate valve specification

### VALVE MODELS -

- W-K-M – SAF-T-SEAL
- SPX - M-303
- Other models are allowed provided they are equivalent to the models in this specification and meet the minimum threshold condition of the tender.
- In any case, the manufacture of the valve shall be only OECD country (including manufacturing processing, assembly & testing).

### General Features -

- Size – 4"-26" / CLASS 150-600 / R.F (acc to bill of quantity.)
- Type – positive sealing SLAB gate valve
- Design Standard – API 6D (**DB&B**), API Monogram required.
- End connection – Flange to ASME B 16.5 #150 - #600 R.f - acc to bill of quantity
- Testing – in acc to API 6D, including functional test (all tests shall be done at the manufacturer factory with actuator assembled and calibrated on the valve)
- Port – full bore
- Operation – Rotork + Gear
- With Lift lugs
- Documentation shall be supplied in acc to **API 6D Annex J QSL 2** –
  - hydro test report
  - MTRs (include trim materials)
  - Certificate of compliance
  - Material certification ER 10204 – 3.1
  - Installation operation and maintenance
  - Actuator data sheet
  - Operation data (open/close time& torque required)
  - Mill test certification
  - Valve drawings – for approval before manufacture & As-Made after manufacture





## אגף הנדסה

- **Service –**

- **Liquid** - Different types of distillate fuel : crude ,gas oil, kerosene, gasoline, diesel oil acc,  
Temp. max. 60°C
- **Installation** – valve will be installed next to sea (environment with high corrosion)

- **Material**

Body	: ASME SA216 GR. WCC
Bonnet	: ASME SA516 GR.70
Gate and segment	: ASME SA216 GR. WCC/003 THICK ENP
Stem	: AISI 4140/ENP
Stem protector	: ASME SA53
Stem protector cap	: MALLEABLE IRON
Indicator rod	: 316 Stainless steel
Stud	: ASME SA193 GR. B7M
Yoke	: ASME SA516 GR. 70/SA 106 GR.B
Check valve	: Stainless steel
Pipe plug	: ASME SA105

- **STEM PACKING DESIGN SHALL INCLUDE–**

- Chevron V rings
- Graphite + PTFE/TFE rings
- Lantern rings
- Stem packing gland shall be threaded or at internal packing box. The stem seal shall be completely contained in the bonnet. **Adjustable outside packing Gland with screw & nut are not allowed**
- Design shall allow emergency injection of stem packing in the event of a stem leak

- **TRIM –**

- Suitable for service conditions **(to be advice by manufacturer)**
- Gate/seats/stem plating coating – 3 MIL ENP

- **INDICATION ROD -**

- Valve will be equipped with indication rode made of stainless Steel 316.

- **Valve Body Pressure Relief**

Valve shall be equipped with a self-relieving mechanism to relief excess pressure from body cavity due to thermal expansion.



## אגף הנדסה

- **Name plate** –  
SS 316 (2 mm thickness) – Details acc to API 6D
- **Valve Painting** –
  - ❖ Surface preparation – sa 2.5
  - ❖ Primer - Zinc rich epoxy 70 micron thick SSPC. Primer will contain over 80% zinc by weight of the dry film.
  - ❖ Intermediate - tolerant epoxy mastic surface thick at 150 microns minimum, two layers as needed.
  - ❖ Upper - polyurethane oval white 80 micron thick single layer or two separate layers of 40 microns each Ready Made. Hue of upper layers will be white matte, reflective level of about 84%
  - ❖ Total dry thickness – at least 300 microns
- **FITTINGS** –
  - Secondary grease fitting for upstream& downstream seats - NPT
  - Body drain valve – Ball NPT
  - Body vent valve – Ball NPT
  - Stem packing - NPT
- **OPERATION** –
  - Valves shall be equipped with "ROTORK" electric actuator latest model, series IQ 3, FM explosion proof IP - 68, included WD100000/2000 for connection to "PAKSCAN" including board, **including cable glands** suitable for valve operation under max differential pressure with 25% over sizing of torque, opening/closure time of valve 60 sec min., 100 sec max., 400V, 50Hz. Valve will be supplied with gear & rotork installed and calibrated at the **valve manufacturer factory**.

### Opening/closure time of valve –

For valve size 4"-12" 60 sec min, 90 sec max

For valve size 16"-26" 90 sec min, 120 sec max

