

י"ד אדר א תשע"ט  
19 פברואר 2019  
סימוכין : #212028

## Tech Specifications : הנדון

### כללי:

הר"מ נדרש בעבור סקר אולטרסוני רציף לפני הקו הימי בטרמינל ק"ח .  
באחריות הספק להביא את הציוד הנדרש . הקו יימסר שטוף, בהתאם לאמור במפרט זה, כאשר אוגן המלכודת פתוח.  
הבדיקה תבוצע מקצה אוגן המלכודת ועד לאוגן הסעפת הימית.

### לוחות זמנים:

1. העבודה נדרשת במהלך חודש מרץ 2019
2. משך זמן הבדיקה לא יחרוג מחמישה ימים קלנדריים

### Inspection of one 32" pipeline.

Location: Kiriati Haim Terminal, Haifa, Israel.

#### 1. Introduction

Petroleum & Energy Infrastructures (PEI) Limited owns and operates Tank farm of crude oils. PEI is now requesting to have a 32" pipeline inspected at their Kiriati Haim Terminal in Haifa.

#### 2. Scope and pipeline details

The specifications of the pipeline to be inspected is:

Pipeline	Diameter	Length [m]	Wall Thickness [mm]	Material	Liquid	Year of commissioning
#5	32"	3,040	14.7	API5L X 60- spiral	Crude oil	May 2013

The inspection will be for metal-loss and geometry.

#### 3. inspection tool: Pipeline Inspection Tool (PIT)

a self-propelled or equiv.



Ultrasonic equipped.

Included:

- Ultrasonic's provide quantitative results.
- On-line control over the vehicle and performance of the ultrasonic inspection allowing optimum equipment and sensitivity settings.

#### 4. Inspection approach

When the 32" blind flange is removed, a launch tray can be connected.

The inspection will run to the flange at the PLEM (Pipe Line End Manifold).

The pipeline will be filled a liquid during the inspection.

Before launching the pipeline Inspection Tool into the line, the line will be flushed by PEI with the highest possible flow rate of at least 1.5m/sec and a volume of at least 5 times the liquid in the pipe.

The results of each individual measurement with an accuracy of +/- 0.2 mm.

#### 5. Resolution:

Axial resolution (defect length): +/-5.0 mm

Depth resolution (Defect depth or remaining wall thickness): +/-0.2mm

Circumferential resolution: +/-5.0mm

#### 6. Price of inspection of 32" pipeline: \_\_\_\_\_ Eur

