



10 יולי, 2017

סימוכין: 180335

לכבוד

משתתפי מכרז 044-17

הנדון: עדכון מפרט – מכרז 044-17 – מסנני סל 10", 6" (להלן "המכרז")

מצ"ב מפרט טכני מעודכן למכרז שבנדון, בהתאם לשינויים הר"מ:

1. אביזר ה air eliminator בוטל.
2. ניתן להציע מכסה עם הברגות שטוחות (אוגן R.F. BLIND).
3. אין צורך ב DPT (ירכש בנפרד במידת הצורך). יש לספק את המסנן עם יציאות ל DPT על גוף המסנן (הברגות נקבה 1/2" NPT).
4. ניקוז תחתון 2" מאוגן #600 ב 90 מעלות.

יתר תנאי המכרז נותרים ללא שינוי.

לתשומת לבכם: מסמך זה מהווה חלק ממסמכי המכרז, ויש לצרף אותו להצעה כשהוא חתום.

בברכה,

טלמור סלע

מחלקת רכש והתקשרויות



**PETROLEUM & ENERGY INFRASTRUCTURE
LTD.**

BASKET FILTER

April - 2017

BASKET FILTER:

This document covers the technical requirements for manufacture, assembly, testing, supply and delivery of basket filters.

The filters shall be handling all kind of distillate commercial fuels described hereafter:

GAS OIL:

Density 15 ^o C (gr/ml)	0.870
Kinematics viscosity @ 15 ^o C (Cst)	6-7.5
Sulfide content (wt%)	0.25% max
Acidity (mg koh/gr)	0.25
Flash point:	55 ^o C
Copper corrosion (2 HRS/100 c)	1 max

GASOLINES:

Density 15 C	0.73 –0.765
Copper corrosion (2 hr/100 C)	1 max
Aromatics (vol %)	60
MTBE (%)	22 max
Sulfide content (wt%)	0.15
Vapor pressure 37.8 ^o C (PSI)	9 max

KEROSENE:

Density 15 C	0.805
Kinematics viscosity (CST at 15 C)	3-4
Copper corrosion (2 hr/ 100 C)	1 Max
Acidity (mg koh/gr)	0.015
Sulfide content (wt%)	0.2

SITE CONDITIONS:

1. The filter shall be installed outdoor.
2. Site altitude is about 20 m' - 350 m' above sea level.
3. Ambient temperature varies between 0^oC- 50^oC.
4. Relative humidity varies between 15% - 90%.
5. Rainfall around 150-600 mm' / year.

TECHNICAL REQUEST:

1. In any case the manufacture of the filters shall be only OECD country (including manufacturing processing, assembly & testing).
2. The filters is to meet the duty and material requirements of the data sheet
3. Flange connections are to be according to ANSI B16.5 600# RF, in standard, non –offset horizontal nozzle position.
4. Total free flow area shall be 5 times larger than the cross section free flow area of the suction line.
5. Basket: reinforced heavy gauge 316 stainless steel constructions with perforation **6 mesh (U.S)** .
6. Threaded connection is to be according to NPT.
7. Filter casing are to be designed to the latest editions of ASME code, Section VIII, Div. 1 for the rate design condition.
8. The strainer shall be fitted with upstream& downstream connections to DPT system (Differential Pressure Transmitter). The connections shall be 1/2" NPT.
9. Strainer is to be offered with quick opening flat bolted cover (blind flange R.F) , lifting davit and seal.
- 10.Strainer is to be offered with drain 2" 90° .
- 11.The strainer shall be fitted with self-supporting legs.
- 12.The length between the offset horizontal nozzles and the bottom legs shall be approx. 1100 mm' (final size shall be defined by PEI before manufacture) .
- 13.Cover to be provided with threaded connection 1" NPT for air eliminator device (air eliminator is not required with this offer).
- 14.Stainless steel parts are not to be painted.

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 (RAL 9010)

FLANGE (Class Range):

The filter shall have flanged ends.

Inlet and Outlet connection ends shall be according to ANSI B16.5 600# RF (SIZE between 6"-10" – acc to bill of quantity)

Drain end shall be according to 2" ANSI B 16.5 600#, RF.

Face to face dimension – 6" approx. 690 mm , 10" approx.660 mm (final size shall be defined by PEI before manufacture)

MATERIALS:

Filter shell: CS, A 216 Gr. WCB.

Corr.' Allow: 1 mm.

Basket: S.S 316

Gasket Material: Viton GF.

ID plate: Stainless steel.

PROCESS DATA:

Flow-rate:

- 6" – 150 m³/h (Max)
- 10" – 450 m³/h (Max)

Temperature operating: 30 °C.

Design Temperature: 60 °C.

Max inlet pressure: 60 bar.

Pres' drop clean: < 0.15 bar.

DIMENTION:

Nozzles	Flange	Size	Rating
Inlet	RF	6" -10" acc to bill of quantity	600#
Outlet	RF	6" -10" acc to bill of quantity	600#
Drain connection	RF	2"	600#
DPT connection	NPT	½"	3000#
Air eliminator connection.	NPT	1"	3000#

GENERAL TERMS:

In order to evaluate the tender's quotation, the following information must be given:

- Filter drawings.
- Accessories drawings.
- List of recommended spare parts with pricing.
- Delivery date.
- List of Israeli customers including contact address.
- Price for the offer.

Documentation –

- Filter drawings
- Accessories drawings
- hydro test report
- MTRs
- Certificate of compliance
- IOM

QUANTITY TABLE:

Item	Size	Quant.	Note
1	6"	1	Basket filter Fitted C.S shell and S.S basket. ANSI 600# RF Inlet and outlet.
2		1	Spare Basket for 6" filter.
3		1	Cover spare seal for 6" filter.
4	10"	3	Basket filter Fitted C.S shell and S.S basket. ANSI 600# RF Inlet and outlet.
5		3	Spare Basket for 10".
6		3	Cover spare seal for 10".