

**REABILITARE RAMPA DE
INCARCARE IMENI - IMECI, JUDETUL
COVASNA**

REQUISITION No.

A636.3-MC-SP-P1

REV.
0

SHEET 1 OF 2

REV.

DATA

BY

CH'D

APP'D

0

N.R.

S.B.

A.I.

JOB No: PURCH. ORDER NO. DATE
ENQUIRY NO. BY

1 APPLICABLE TO: ☐ PROPOSALS ☐ PURCHASE ☐ AS BUILT

2 FOR **CRUDE OIL**

3 SITE **STATIA IMENI - IMECI COVASNA**

4 NUMBER **2 PCS**

5 MANUFACTURER

6 NOTES: INFORMATION BELOW TO BE COMPLETED: ☐ PURCHASER ☐ BY MANUFACTURER ☒ BY MANUF. OR PURCH.

7 ☐ GENERAL

8 NO. MOTOR DRIVEN OTHER DRIVEN TYPE

9 PUMP ITEM NO'S PUMP ITEM NO'S

10 MOTOR ITEM NO'S DRIVER ITEM NO'S GEAR ITEM NO'S

11 MOTOR PROVIDED BY DRIVER PROVIDED BY GEAR PROVIDED BY

12 MOTOR MOUNTED BY DRIVER MOUNTED BY GEAR MOUNTED BY

13 MOTOR DATA SHEET NO. DRIVER DATA SHEET NO. GEAR DATA SHEET NO.

14 ☐ OPERATING CONDITIONS

15 ☐ CAPACITY @ PT (m³/h): **200**

16 MAXIMUM **210** MINIMUM RATED

17 ☐ DISCHARGE PRESSURE (kPa)(bar g):

18 MAXIMUM **7** bari MINIMUM **5** bari

19 ☐ SUCTION PRESSURE (kPa)(bar g):

20 MAXIMUM **36,7 / 0,367** MINIMUM

21 ☐ DIFFERENTIAL PRESSURE (kPa)(bar g):

22 MAXIMUM MINIMUM

23 ☐ NPSH AVAILABLE (m) **4,65**

24 ☐ HYDRAULIC POWER (Kw)

26 ☐ PERFORMANCE

27 ☐ RATED CAPACITY (m³/h)

28 ☐ NPSH REQUIRED (m)

29 ☐ RATED SPEED (rpm)

30 ☐ DISPLACEMENT (m³/h)

31 ☐ VOLUMETRIC EFFICIENCY (%)

32 ☐ MECHANICAL EFFICIENCY (%)

33 ☐ KW @ MAXIMUM VISCOSITY

34 ☐ KW @ RELIEF VALVE SETTING

35 ☐ MAXIMUM ALLOWABLE SPEED (rpm)

36 ☐ MINIMUM ALLOWABLE SPEED (rpm)

37

38 CONSTRUCTION EX.

39

40

41 CONNECTIONS SIZE ANSI RATING FACING POSITION

42 SUCTION **max.200**

43 DISCHARGE **max.125**

44 GLAND FLUSH

45 DRAINS yes

46 VENTS yes

47 JACKET no

48

49 PUMP TYPE:

50

51 ☐ INTERNAL GEAR ☐ TWIN-SCREW ☐ VANE

52 ☐ EXTERNAL GEAR ☐ THREE-SCREW ☐ PROGRESSING CAVITY

53 GEAR TYPE

54 ☐ SPUR ☐ HELICAL

55 ☐ OTHER

56

57

58 Notes :

59 The pumps shall be suitable for running with the existing electrical motors, namely: U=400V; Pmax= 75kW; Model no.

60 Pompa se va achizitiona pentru montajul motorului in pozitie orizontala

61

62

63

☐ LIQUID

☐ TYPE OR NAME OF LIQ **CRUDE OIL**

☐ PUMPING TEMPERATU (°C)

NORMAL **40** MAX **60** MIN. **30**

☐ DENSITY 15grd.C (g/cm³) MAX. **0,8555** MIN.

☐ SPECIFIC HEAT Cp (KJ/kg°C)

☐ VISCOS 20grd.C (cSt) **68,34**

☐ CORROSIVE/EROSIVE AGENT

☐ CHLORIDE CONCENTRATION

☐ H2S CONCENTRATION

LIQUID TOXIC ☐ FLAMMABLE OTHER

☐ SITE AND UTILITY DATA

LOCATION ☐ INDOOR **0**

☐ HEATED ☐ UNHEATED **0**

☐ ELECTRICAL AREA CLASS **2** ☐ GROUP ☐

☐ WINTERIZATION REQD. ☐ TROPICALIZATION REQ.

SITE DATA

☐ RANGE OF AMBIENT TEMPS: MIN./MAX. / (°C)

UNUSUAL CONDITIONS

☐ DUST ☐ FUMES ☐ SALT ATMOSPHERE

☐ OTHER

☐ UTILITY CONDITIONS

ELECTF DRIVERS HEATING OL WN

VOLTAGE

HERTZ

KW

COOLING W/ INLET RETURN DESIGN MAX.Δ

TEMP MAX.

PRESS. (kPa)(bar g) MIN.

SOURCE

INSTRUMENT AIR MAX. MIN

PRESS. (kPa)(bar g)

APPLICABLE SPECIFICATION

☐ API 676 POSITIVE DISPLACEMENT PUMPS - ROTARY

☐ GOVERNING SPECIFICATION (IF DIFFERENT)

REMARKS: **ATEX IP60**

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JOB No: PURCH. ORDER NO. DATE
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1 APPLICABLE TO: ☐ PROPOSALS ☐ PURCHASE ☐ AS BUILT

2 FOR SAULT WATER CONTAMINATED WITH OIL

3 SITE STATIA IMENI COVASNA

4 NUMBER 2 PCS

5 MANUFACTURER

6 NOTES: INFORMATION BELOW TO BE COMPLETED: ☐ PURCHASER ☐ BY MANUFACTURER ☒ BY MANUF. OR PURCH.

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13 MOTOR DATA SHEET NO. DRIVER DATA SHEET NO. GEAR DATA SHEET NO.

14 ☐ OPERATING CONDITIONS ☐ LIQUID

15 ☐ CAPACITY @ PT (m³/h) : 32

16 MAXIMUM MINIMUM RATED

17 ☐ DISCHARGE PRESSURE (kPa)(bar): 3500 / 35

18 MAXIMUM bari MINIMUM bari

19 ☐ SUCTION PRESSURE (kPa)(bar):

20 MAXIMUM MINIMUM

21 ☐ DIFFERENTIAL PRESSURE (kPa)(bar g):

22 MAXIMUM MINIMUM

23 ☐ NPSH AVAILABLE (m)

24 ☐ HYDRAULIC POWER (Kw)

26 ☐ PERFORMANCE

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28 ☐ NPSH REQUIRED (m)

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31 ☐ VOLUMETRIC EFFICIENCY (%)

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33 ☐ KW @ MAXIMUM VISCOSITY

34 ☐ KW @ RELIEF VALVE SETTING

35 ☐ MAXIMUM ALLOWABLE SPEED (rpm)

36 ☐ MINIMUM ALLOWABLE SPEED (rpm)

38 CONSTRUCTION EX.

39

40

41 CONNECTIONS SIZE ANSI RATING FACING POSITION

42 SUCTION max.100

43 DISCHARGE max. 80

44 GLAND FLUSH

45 DRAINS yes

46 VENTS yes

47 JACKET no

48

49 PUMP TYPE:

50

51 ☐ INTERNAL GEAR ☐ TWIN-SCREW ☐ VANE

52 ☐ EXTERNAL GEAR ☐ THREE-SCREW ☐ PROGRESSING CAVITY

53 GEAR TYPE SELF-PRIMMING

54 ☐ SPUR ☐ HELICAL

55 ☐ OTHER

56

57

58 Notes :

59

60 Pompele se vor achizitiona impreuna cu motorul de actionare, antrenare cu reductor, pentru U=400V; Pmax=75kW

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62

63

☐ TYPE OR NAME OF LIQ SAULT WATER WITH OIL

☐ PUMPING TEMPERATU (°C)

NORMAL 40 MAX 60 MIN. 30

☐ DENSITY (g/cmc) 1,12

☐ SPECIFIC HEAT Cp (KJ/kg°C)

☐ VISCOS 20grd.C (cSt)

☐ CORROSIVE/EROSIVE AGENT

☐ CHLORIDE CONCENTRATION

☐ H2S CONCENTRATION

☐ SALINITY 1900-2000 Kg/vagon

LIQUID TOXIC ☐ FLAMMABLE OTHER

☐ SITE AND UTILITY DATA

LOCATION ☐ INDOOR ☐ 0

☐ HEATED ☐ UNHEATED 0

☐ ELECTRICAL AREA CLASS 2 ☐ GROUP ☐

☐ WINTERIZATION REQD. ☐ TROPICALIZATION REQ.

SITE DATA

☐ RANGE OF AMBIENT TEMPS: MIN./MAX / (°C)

UNUSUAL CONDITIONS

☐ DUST ☐ FUMES ☐ SALT ATMOSPHERE

☐ OTHER

☐ UTILITY CONDITIONS

ELECTF DRIVERS HEATING OL WN

VOLTAGE

HERTZ

KW

COOLING W/ INLET RETURN DESIGN MAX.Δ

TEMP MAX.

PRESS. (kPa)(bar g) MIN.

SOURCE

INSTRUMENT AIR MAX. MIN

PRESS. (kPa)(bar g)

APPLICABLE SPECIFICATION

☐ API 676 POSITIVE DISPLACEMENT PUMPS - ROTARY

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REMARKS: ATEX IP60