

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

REQUISITION No.		A636.3-MC-SP-P1		REV.
SHEET 1 OF 2		0		
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 MONTED BY	GEAR MONTED 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
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)

15	☐ LIQUID	
16	☐ TYPE OR NAME OF LIQ	CRUDE OIL
17	☐ PUMPING TEMPERATURE (°C)	
18	NORMAL 40	MAX 60 MIN. 30
19	☐ DENSITY 15grd.C (g/cm³)	MAX. 0,8555 MIN.
20	☐ SPECIFIC HEAT	Cp (KJ/kg°C)
21	☐ VISCOS 20grd.C (cSt)	68,34
22	☐ CORROSIVE/EROSIVE AGENT	
23	☐ CHLORIDE CONCENTRATION	
24	☐ H2S CONCENTRATION	
25	LIQUID TOXIC	☐ FLAMMABLE OTHER

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)

26	☐ SITE AND UTILITY DATA	
27	LOCATION	☐ INDOOR 0
28	☐ HEATED	☐ UNHEATED 0
29	☐ ELECTRICAL AREA CLASS 2	☐ GROUP 0
30	☐ WINTERIZATION REQD.	☐ TROPICALIZATION REQ.
31	SITE DATA	
32	☐ RANGE OF AMBIENT TEMPS: MIN./MAX	/ (°C)
33	UNUSUAL CONDITIONS	
34	☐ DUST	☐ FUMES
35	☐ OTHER	☐ SALT ATMOSPHERE
36	UTILITY CONDITIONS	

CONSTRUCTION EX.

CONNECTIONS	SIZE	ANSI RATING	FACING	POSITION
SUCTION	max.200			
DISCHARGE	max.125			
GLAND FLUSH				
DRAINS	yes			
VENTS	yes			
JACKET	no			

48	PUMP TYPE:	
49	☐ INTERNAL GEAR	☐ TWIN-SCREW
50	☐ EXTERNAL GEAR	☐ THREE-SCREW
51	☐ GEAR TYPE	☐ PROGRESSING CAVITY
52	☐ SPUR	☐ HELICAL
53	☐ OTHER	

37	ELECTR	DRIVERS	HEATING	OL	WN
38	VOLTAGE				
39	HERTZ				
40	KW				
41	COOLING W/ INLET	RETURN	DESIGN	MAX.Δ	
42	TEMP	MAX.			
43	PRESS. (kPa)(bar g)	MIN.			
44	SOURCE				
45	INSTRUMENT AIR	MAX.	MIN		
46	PRESS. (kPa)(bar g)				

54	APPLICABLE SPECIFICATION	
55	☐ API 676 POSITIVE DISPLACEMENT PUMPS - ROTARY	
56	☐ GOVERNING SPECIFICATION (IF DIFFERENT)	

57	REMARKS: ATEX IP60
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58	Notes :
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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

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

REQUISITION No.

A636.3-MC-SP-P2

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

14 ☐ OPERATING CONDITIONS
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)

☐ LIQUID
☐ TYPE OR NAME OF LIQ SAULT WATER WITH OIL
☐ PUMPING TEMPERATU (°C)
NORMAL 40 MAX 60 MIN. 30
☐ DENSITY (g/cm³) 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

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)

☐ 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
ELECTR 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)

CONSTRUCTION EX.

CONNECTIONS	SIZE	ANSI RATING	FACING	POSITION
SUCTION	max.100			
DISCHARGE	max. 80			
GLAND FLUSH				
DRAINS	yes			
VENTS	yes			
JACKET	no			

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49 PUMP TYPE:
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51 ☐ INTERNAL GEAR ☐ TWIN-SCREW ☐ VANE
52 ☐ EXTERNAL GEAR ☐ THREE-SCREW ☐ PROGRESSING CAVITY
53 GEAR TYPE SELF-PRIMMING
54 ☐ SPUR ☐ HELICAL
55 ☐ OTHER

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Notes :

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