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**Draft**

Narudžba: 1130-4/303647

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Narudžba: 1130-4/303647

**Specifikator**

Sven Stojšić

**Dobavljač****ULJANIK STROJOGRAĐNJA D.D.****Flaciusova 1****52100 PULA****REPUBLIKA HRVATSKA****Ref. dobavljača**

g. Učkar

**Projekt**

723

**Ponuda**

N-015/14 i Dod.1 i 2

**Oznaka pošiljke**

U-8A30-4/303647/723/

**Uvjeti isporuke**

CIP Rijeka

**Transport**

Brodom

**GLAVNI MOTOR**

Molimo dostavite materijal, izvršite uslugu prema slijedećem popisu i definiranim uvjetima na mjesto zaprimanja.

Red.br. Oznaka	Opis	Količina Masa Rok isp.	Jed.cijena JM cijene Popust %	Ukupan iznos: EUR
1	2	3	4	5
1 / 1 601121-2-001	GLAVNI MOTOR	1,000KOM 270.000,000 KG 20.11.15		

**Popis oznaka**

601121-2-001 GLAVNI MOTOR

**Description:****Basic engine particulars:**

Two-stroke diesel engine, crosshead type, slow speed, long stroke, direct reversible, constant pressure turbocharged of IMO Tier II emission type with direct fuel injection shall be offered for the intended purpose, with high efficiency turbocharger and part load exhaust gas bypass (EGB) tuning.

The engine to burn HFO, MDO or MGO with characteristics specified herebelow.

The engine is direct coupled to the single fixed pitch propeller plant

Gallery and platforms around the engine shall be provided. Final location will be defined later.

**Automation, instrumentation and control:**

Monitoring panel, local monitoring instruments (manometers, thermometers etc.); sensors for alarming, indication and safety; wiring up to terminal boxes shall be provided according to Class requirements and maker's standard.

The sensors/switches for safety, alarm and monitoring functions shall be wired up to terminal boxes on the engine.

All manometers shall be of shock resistant type equipped with dampers and test valves.

All thermometers shall be with protecting wells and of antivibration type.

- Uprava / Director: Edi Kučan
- Predsjednik Nadzornog odbora / President of the Supervisory Board: / Juraj Šoljić
- Temeljni kapital / Capital stock: 181.214.000,00 HRK (uplaćen u cijelosti / entirely paid)
- Broj izdanih dionica / Nominalna vrijednost / No. of issued shares / Nominal share value: 1.812.140 à 100,00 HRK

**BANKA I SJEDIŠTE / BANK AND ADDRESS**

ERSTE & STEIERMÄRKISCHE BANK d.d., Jadranski trg 3A, 51000 Rijeka  
Privredna banka Zagreb d.d., Radnička cesta 50, 10000 Zagreb

**IBAN**

HR8024020061100445061  
HR4023400091110605277

**SWIFT CODE**

ESBCHR22  
PBZGHR2X

- Trgovački sud u Rijeci / Commercial Court in Rijeka
- MBS / Reg No.: 040000833
- OIB / Personal identification number: 86167814130
- PDV id. broj / VAT number: HR86167814130

Red.br. Oznaka	Opis	Količina Masa Rok isp.	Jed.cijena JM cijene Popust %	Ukupan iznos: EUR
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Main engine technical data:

- 1) Name/producer code: 6G50ME-B9.3-Tier II
- 2) No. of engine strokes: two-strokes
- 3) Engine reversibility: direct reversible
- 4) Engine rpm type: slow speed
- 5) No. of cylinders: 6
- 6) Engine configuration: in line
- 7) NMCR power: 10320 kW
- 8) Engine speed at NMCR: 100 min-1
- 9) SMCR power: 7020 kW
- 10) Engine speed at SMCR: 85 min-1
- 11) NCR power: 5756 kW
- 12) Engine service speed at NCR: 79,6 min-1
- 13) Fuel oil type: HFO and MDO or MGO (see note 2)
- 14) Engine cooling: fresh water
- 15) Direction of engine rotation: clockwise

Note:

- 1) Abbreviations: NMCR - Nominal Maximum Continuous Rating  
SMCR - Specified Maximum Continuous Rating  
NCR - Normal Continuous Rating
- 2) Qualities of the fuel that will be used on board:
  - a) Heavy Fuel Oil (HFO) up to 380 cSt at 50°C - ISO 8217:2012(E) - designation ISO-F-RMG 35
  - b) Marine Diesel Oil (MDO) with content of sulphur less than 0,1 % and viscosity 11 cSt at 40°C - ISO 8217:2012(E) - designation ISO-F-DMB
  - c) Marine Gas Oil (MGO) with content of sulphur less than 0,1 % and viscosity 1,5-6,0 cSt at 40°C - ISO 8217:2012(E) - designation ISO-F-DMA

General Technical Conditions:

Outside air humidity: 60%

Engine room temperature: 45°C

Alternative electric current available on board: 3x440 V, 3x220 V, 220 V; 60 Hz

Direct electric current available on board: 24V direct current

Loose equipment:

Standard loose equipment required by Class and according to maker's standard shall be delivered.

Itemized list of above equipment shall be submitted in English language.

Spare parts:

Spare parts shall be supplied in quantity and assortment as required by the Classification Society Rules and by National Regulation Rules, as applicable.

Spare parts included in maker's standard scope of supply shall be delivered without additional charge.

Optional spare parts with itemized list, exceeding obligatory spare parts (if required), shall be offered with separately indicated price.

Tools:

One set of tools necessary for overhauling and maintenance according to maker's recommendation shall be supplied.

Itemized list of above tools shall be submitted in English language.

Each item shall be supplied with a label indicating denomination and code number.

Commissioning/Mounting/Testing:

Following activities attended/performed by offerer's servicemen shall be included in the offer:

Red.br. Oznaka	Opis	Količina Masa Rok isp.	Jed.cijena JM cijene Popust %	Ukupan iznos: EUR
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- Engine installation, including supervising the installation/assembly/electrical connection
- Engine adjustment/functional test on board ship, sea trial and inspection after sea trial
- Check-out and start-up
- Acceptance test

Total number of serviceman days: 45

2 / 1 Documentation 1,000 CPL  
 POD  
 Vezano uz poz. 1 20.11.15

3 / 1 Instruction Books 1,000 CPL  
 KU  
 Vezano uz poz. 1 20.11.15

4 / 1 Classification Certificate 1,000 CPL  
 C1  
 Vezano uz poz. 1 15.01.16

6 / 1 ORMARIĆ UPUTNIKA STR ZA OKRETANJE 1,000KOM  
 601121-2-005 ,500 KG  
 20.11.15

**Popis oznaka**

601121-2-005 ORMARIĆ UPUTNIKA STR ZA  
 OKRETANJE

Materijal ČELIK

7 / 1 STROJ ZA OKRETANJE 1,000KOM  
 601121-2-006 ,100 KG  
 20.11.15

**Popis oznaka**

601121-2-006 STROJ ZA OKRETANJE

Materijal ČELIK

8 / 1 ODUŠNA KAPA ULJNIH PARA 1,000KOM  
 601121-2-007 8,000 KG  
 20.11.15

**Popis oznaka**

601121-2-007 ODUŠNA KAPA ULJNIH PARA

Materijal ČELIK

9 / 1 ISPUST ULJA IZ G.M. 1,000 CPL  
 601121-2-008 ,510 KG  
 20.11.15

**Popis oznaka**

601121-2-008 ISPUST ULJA IZ G.M.

Materijal ČELIK

Red.br. Oznaka	Opis	Količina Masa Rok isp.	Jed.cijena JM cijene Popust %	Ukupan iznos: EUR
1	2	3	4	5
10 / 1 601121-2-009	PRIJELAZNI ISPUŠNI KOMAD IZ TURBOPUHALA	1,000 KOM 260,000 KG 20.11.15		
<b>Popis oznaka</b>				
601121-2-009	PRIJELAZNI ISPUŠNI KOMAD IZ TURBOPUHALA			
Materijal ČELIK				
11 / 1 601121-2-010	VIJCI ZA NIVELIRANJE MOTORA	1,000 KPL 150,000 KG 20.11.15		
<b>Popis oznaka</b>				
601121-2-010	VIJCI ZA NIVELIRANJE MOTORA			
Materijal ČELIK				
12 / 1 601121-2-011	TEMELJNI VIJCI	1,000 KPL 676,000 KG 20.11.15		
<b>Popis oznaka</b>				
601121-2-011	TEMELJNI VIJCI			
Materijal ČELIK				
13 / 1 601121-2-012	KLINOVI ZA BOČNO UKLINJENJE- L	1,000 KPL 81,000 KG 20.11.15		
<b>Popis oznaka</b>				
601121-2-012	KLINOVI ZA BOČNO UKLINJENJE- L			
Materijal ČELIK				
14 / 1 601121-2-013	KLINOVI ZA BOČNO UKLINJENJE-D	1,000 KPL 81,000 KG 20.11.15		
<b>Popis oznaka</b>				
601121-2-013	KLINOVI ZA BOČNO UKLINJENJE-D			
Materijal ČELIK				
15 / 1 601121-2-014	BOČNA UPORA	1,000 KPL 195,000 KG 20.11.15		
<b>Popis oznaka</b>				
601121-2-014	BOČNA UPORA-DOLE			
Materijal ČELIK				
16 / 1 601121-2-015	ČELINA UPORA	1,000 KPL 132,000 KG 20.11.15		
<b>Popis oznaka</b>				

Red.br. Oznaka	Opis	Količina Masa Rok isp.	Jed.cijena JM cijene Popust %	Ukupan iznos: EUR
1	2	3	4	5
	601121-2-015 ČELNA UPORA-DOLE Materijal ČELIK			
17 / 1 601121-2-016	KOMPLET VIJAKA ZA ČELNO UKLINJ.	1,000 KPL 43,000 KG 20.11.15		
<b>Popis oznaka</b>				
	601121-2-016 KOMPLET VIJAKA ZA ČELNO UKLINJ. Materijal ČELIK			
18 / 1 601121-2-017	PODLOŠKE ČELNE UPORE	1,000 KPL 43,000 KG 20.11.15		
<b>Popis oznaka</b>				
	601121-2-017 PODLOŠKE ČELNE UPORE Materijal ČELIK			
19 / 1 601121-2-018	EL. GORNJEG BOČNOG UKRUČENJA	1,000 KPL 690,000 KG 20.11.15		
<b>Popis oznaka</b>				
	601121-2-018 EL. GORNJEG BOČNOG UKRUČENJA Materijal ČELIK			
20 / 1 601121-8-002	ALATI I NAPRAVE	1,000 CPL 2.385,000 KG 20.11.15		
<b>Popis oznaka</b>				
	601121-8-002 ALATI I NAPRAVE			
21 / 1 601121-9-003	REZERNI DIJELOVI	,000 CPL  20.11.15		
<b>Popis oznaka</b>				
	601121-9-003 REZERVNI DIJELOVI			
22 / 1 601121-2-019	JEDI. ZA ČIŠĆENJE RASHLADNIK ZRAKA GM	1,000KOM 27,000 KG 24.06.16		
<b>Popis oznaka</b>				
	601121-2-019 JEDI. ZA ČIŠĆENJE RASHLADNIK ZRAKA GM			

Red.br. Oznaka	Opis	Količina Masa Rok isp.	Jed.cijena JM cijene Popust %	Ukupan iznos: EUR
1	2	3	4	5
23 / 1 601121-2-020	UREĐAJ ZA ISPITIVANJE-PPMI 2000	1,000KOM 16,000 KG 24.06.16		
<b>Popis oznaka</b>				
601121-2-020	UREĐAJ ZA ISPITIVANJE-PPMI 2000			
25 / 1 601121-2-031	KONTROLNI KABINET GM	1,000KOM 45,000 KG 24.06.16		
<b>Popis oznaka</b>				
601121-2-031	KONTROLNI KABINET GM			
26 / 1 601121-2-032	PANEL ULJNIH PARA	1,000KOM 2,000 KG 24.06.16		
<b>Popis oznaka</b>				
601121-2-032	PANEL ULJNIH PARA			
27 / 1 601121-2-033	KONTROLNI PANEL (MOP A)	1,000KOM ,500 KG 24.06.16		
<b>Popis oznaka</b>				
601121-2-033	KONTROLNI PANEL (MOP A)			
28 / 1 601121-2-034	KONTROLNI PANEL (MOP B)	1,000KOM ,500 KG 24.06.16		
<b>Popis oznaka</b>				
601121-2-034	KONTROLNI PANEL (MOP B)			
29 / 1 601121-2-035	INDIKATOR BROJA OKRETAJA TURBO PUHALA	1,000KOM ,500 KG 24.06.16		
<b>Popis oznaka</b>				
601121-2-035	INDIKATOR BROJA OKRETAJA TURBO PUHALA			
30 / 1 601121-2-036	BWMS KONTROLNI PANEL	1,000KOM ,500 KG 24.06.16		
<b>Popis oznaka</b>				
601121-2-036	BWMS KONTROLNI PANEL			

Red.br. Oznaka	Opis	Količina Masa Rok isp.	Jed.cijena JM cijene Popust %	Ukupan iznos: EUR
1	2	3	4	5

31 / 1 BWMS PROCESOR 1,000KOM  
601121-2-037 ,200 KG  
24.06.16

**Popis oznaka**

601121-2-037 BWMS PROCESOR

32 / 1 BWMS MEĐUSKLOP 1,000KOM  
601121-2-038 ,200 KG  
24.06.16

**Popis oznaka**

601121-2-038 BWMS MEĐUSKLOP

33 / 1 POMOĆNA PUHALA-KONTROLNI KABINET 1,000KOM  
601121-2-039 32,000 KG  
24.06.16

**Popis oznaka**

601121-2-039 POMOĆNA PUHALA-KONTROLNI  
KABINET

34 / 1 STARTER HIDR.PUMPE GM-BR.1 1,000KOM  
601121-2-040 80,000 KG  
24.06.16

**Popis oznaka**

601121-2-040 STARTER HIDR.PUMPE GM-BR.1

35 / 1 STARTER HIDR.PUMPE GM-BR.2 1,000KOM  
601121-2-041 80,000 KG  
24.06.16

**Popis oznaka**

601121-2-041 STARTER HIDR.PUMPE GM-BR.2

36 / 1 PMI SWITCH/HUB 1,000KOM  
601121-2-045 1,000 KG  
24.06.16

**Popis oznaka**

601121-2-045 PMI SWITCH/HUB

37 / 1 PMI PATCH PANEL 1,000KOM  
601121-2-046 2,000 KG  
24.06.16

**Popis oznaka**

Red.br. Oznaka	Opis	Količina Masa Rok isp.	Jed.cijena JM cijene Popust %	Ukupan iznos: EUR
1	2	3	4	5
	601121-2-046 PMI PATCH PANEL			
38 / 1	UNIVERZALNI PREDAJNIK	1,000KOM		
601121-2-048		1,000 KG		
		24.06.16		
<b>Popis oznaka</b>				
	601121-2-048 UNIVERZALNI PREDAJNIK			
39 / 1	SET ZA UTEMELJENJE GM	1,000 SET		
601121-2-053		20,000 KG		
		24.06.16		
<b>Popis oznaka</b>				
	601121-2-053 SET ZA UTEMELJENJE GM			
40 / 1	SP.KUTIJA S UTIČ.ZA ZAKRETNIK	1,000KOM		
	ZAMAŠNJAKA	,510 KG		
601121-2-054		24.06.16		
<b>Popis oznaka</b>				
	601121-2-054 SP.KUTIJA S UTIČ.ZA ZAKRETNIK ZAMAŠNJAKA			
41 / 1	ANALOGNI PRETVARAČ	1,000KOM		
601121-2-049		1,000 KG		
		24.06.16		
<b>Popis oznaka</b>				
	601121-2-049 ANALOGNI PRETVARAČ			
42 / 1	KONTROLNI PANEL ZA HYDR.AUTO FILTER	1,000KOM		
601121-2-058		,510 KG		
		24.06.16		
<b>Popis oznaka</b>				
	601121-2-058 KONTROLNI PANEL ZA HYDR.AUTO FILTER			
43 / 1	PLOČA ZA ALATE-MS904	1,000KOM		
601121-2-062		45,000 KG		
		24.06.16		
<b>Popis oznaka</b>				
	601121-2-062 PLOČA ZA ALATE-MS904 Dimenzija 900X900			



Red.br. Oznaka	Opis	Količina Masa Rok isp.	Jed.cijena JM cijene Popust %	Ukupan iznos: EUR
1	2	3	4	5
44 / 1 601121-2-063	PLOČA ZA ALATE-MS905	1,000KOM 60,000 KG 24.06.16		
<b>Popis oznaka</b>				
601121-2-063 PLOČA ZA ALATE-MS905				
Dimenzija 900X1350				
45 / 1 601121-2-064	PLOČA ZA ALATE-MS906	1,000KOM 45,000 KG 24.06.16		
<b>Popis oznaka</b>				
601121-2-064 PLOČA ZA ALATE-MS906				
Dimenzija 900X900				
46 / 1 601121-2-065	PLOČA ZA ALATE-MS901	1,000KOM 60,000 KG 24.06.16		
<b>Popis oznaka</b>				
601121-2-065 PLOČA ZA ALATE-MS901				
Dimenzija 900X1350				
47 / 1 601121-2-066	PLOČA ZA ALATE-MS902	1,000KOM 60,000 KG 24.06.16		
<b>Popis oznaka</b>				
601121-2-066 PLOČA ZA ALATE-MS902				
Dimenzija 900X1350				
48 / 1 601121-2-067	PLOČA ZA ALATE-MS908	1,000KOM 45,000 KG 24.06.16		
<b>Popis oznaka</b>				
601121-2-067 PLOČA ZA ALATE-MS908				
Dimenzija 900X900				
49 / 1 601121-2-068	PLOČA ZA ALATE-MS908	1,000KOM 45,000 KG 24.06.16		
<b>Popis oznaka</b>				
601121-2-068 PLOČA ZA ALATE-MS908				
Dimenzija 900X900				

**Adresa isporuke**

3. MAJ BRODOGRADILIŠTE D. D.  
Liburnijska 3  
51000 Rijeka  
Croatia

**Uvjeti plaćanja**

UZI, plaćanje prema ugovoru

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**3. MAJ Brodogradilište d. d.**