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Narudžba: 1130-4/303647

Dat. 06.11.20

Str. 1 od 10

**Referent**

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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 sljedećem 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	1,000 KOM 270.000,000 KG 20.11.15	2.761.290,00 1 KOM	2.761.290,00

**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 SJEDISTE / 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
1	2	3	4	5

## 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
1	2	3	4	5
	- 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 POD Vezano uz poz. 1	Documentation	1,000 CPL  20.11.15	0,00 1 CPL	0,00
3 / 1 KU Vezano uz poz. 1	Instruction Books	1,000 CPL  20.11.15	0,00 1 CPL	0,00
4 / 1 C1 Vezano uz poz. 1	Classification Certificate	1,000 CPL  15.01.16	0,00 1 CPL	0,00
6 / 1 601121-2-005	ORMARIĆ UPUTNIKA STR ZA OKRETANJE	1,000KOM ,500 KG 20.11.15	3.290,00 1KOM	3.290,00
Popis oznaka				
601121-2-005		ORMARIĆ UPUTNIKA STR ZA OKRETANJE		
Materijal ČELIK				
7 / 1 601121-2-006	STROJ ZA OKRETANJE	1,000KOM ,100 KG 20.11.15	12.200,00 1KOM	12.200,00
Popis oznaka				
601121-2-006		STROJ ZA OKRETANJE		
Materijal ČELIK				
8 / 1 601121-2-007	ODUŠNA KAPA ULJNIH PARA	1,000KOM 8,000 KG 20.11.15	3.260,00 1KOM	3.260,00
Popis oznaka				
601121-2-007		ODUŠNA KAPA ULJNIH PARA		
Materijal ČELIK				
9 / 1 601121-2-008	ISPUST ULJA IZ G.M.	1,000 CPL ,510 KG 20.11.15	5.400,00 1 CPL	5.400,00
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	3.100,00 1 KOM	3.100,00
Popis oznaka				
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	600,00 1 KPL	600,00
Popis oznaka				
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	8.300,00 1 KPL	8.300,00
Popis oznaka				
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	960,00 1 KPL	960,00
Popis oznaka				
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	960,00 1 KPL	960,00
Popis oznaka				
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	2.500,00 1 KPL	2.500,00
Popis oznaka				
601121-2-014	BOČNA UPORA-DOLE			
Materijal ČELIK				
16 / 1 601121-2-015	ČELINA UPORA	1,000 KPL 132,000 KG 20.11.15	880,00 1 KPL	880,00
Popis oznaka				

Red.br. Oznaka	Opis	Količina Masa Rok isp.	Jed.cijena JM cijene Popust %	Ukupan iznos: EUR
1	2	3	4	5
	601121-2-015 ČELNA UPORA-DOLE Materijal ČELIK			
17 / 1	KOMPLET VIJAKA ZA ČELNO UKLINJ.	1,000 KPL	1.080,00	1.080,00
601121-2-016		43,000 KG 20.11.15	1 KPL	
	<b>Popis oznaka</b>			
	601121-2-016 KOMPLET VIJAKA ZA ČELNO UKLINJ.			
	Materijal ČELIK			
18 / 1	PODLOŠKE ČELNE UPORE	1,000 KPL	520,00	520,00
601121-2-017		43,000 KG 20.11.15	1 KPL	
	<b>Popis oznaka</b>			
	601121-2-017 PODLOŠKE ČELNE UPORE			
	Materijal ČELIK			
19 / 1	EL. GORNJEG BOČNOG UKRUČENJA	1,000 KPL	4.400,00	4.400,00
601121-2-018		690,000 KG 20.11.15	1 KPL	
	<b>Popis oznaka</b>			
	601121-2-018 EL. GORNJEG BOČNOG UKRUČENJA			
	Materijal ČELIK			
20 / 1	ALATI I NAPRAVE	1,000 CPL	96.000,00	96.000,00
601121-8-002		2.385,000 KG 20.11.15	1 CPL	
	<b>Popis oznaka</b>			
	601121-8-002 ALATI I NAPRAVE			
21 / 1	REZERNI DIJELOVI	,000 CPL	198.000,00	0,00
601121-9-003		20.11.15	1 CPL	
	<b>Popis oznaka</b>			
	601121-9-003 REZERVNI DIJELOVI			
22 / 1	JEDI. ZA ČIŠĆENJE RASHLADNIK ZRAKA GM	1,000 KOM	100,00	100,00
601121-2-019		27,000 KG 24.06.16	1 KOM	
	<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	1,000 KOM 16,000 KG 24.06.16	100,00 1 KOM	100,00
<b>Popis oznaka</b>				
601121-2-020	UREĐAJ ZA ISPITIVANJE-PPMI 2000			
25 / 1 601121-2-031	KONTROLNI KABINET GM	1,000 KOM 45,000 KG 24.06.16	100,00 1 KOM	100,00
<b>Popis oznaka</b>				
601121-2-031	KONTROLNI KABINET GM			
26 / 1 601121-2-032	PANEL ULJNIH PARA	1,000 KOM 2,000 KG 24.06.16	100,00 1 KOM	100,00
<b>Popis oznaka</b>				
601121-2-032	PANEL ULJNIH PARA			
27 / 1 601121-2-033	KONTROLNI PANEL (MOP A)	1,000 KOM ,500 KG 24.06.16	100,00 1 KOM	100,00
<b>Popis oznaka</b>				
601121-2-033	KONTROLNI PANEL (MOP A)			
28 / 1 601121-2-034	KONTROLNI PANEL (MOP B)	1,000 KOM ,500 KG 24.06.16	100,00 1 KOM	100,00
<b>Popis oznaka</b>				
601121-2-034	KONTROLNI PANEL (MOP B)			
29 / 1 601121-2-035	INDIKATOR BROJA OKRETAJA TURBO PUHALA	1,000 KOM ,500 KG 24.06.16	100,00 1 KOM	100,00
<b>Popis oznaka</b>				
601121-2-035	INDIKATOR BROJA OKRETAJA TURBO PUHALA			
30 / 1 601121-2-036	BWMS KONTROLNI PANEL	1,000 KOM ,500 KG 24.06.16	100,00 1 KOM	100,00
<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 601121-2-037	<b>BWMS PROCESOR</b>	1,000 KOM ,200 KG 24.06.16	100,00 1 KOM	100,00
<b>Popis oznaka</b>				
601121-2-037	BWMS PROCESOR			
32 / 1 601121-2-038	<b>BWMS MEĐUSKLOP</b>	1,000 KOM ,200 KG 24.06.16	100,00 1 KOM	100,00
<b>Popis oznaka</b>				
601121-2-038	BWMS MEĐUSKLOP			
33 / 1 601121-2-039	<b>POMOĆNA PUHALA-KONTROLNI KABINET</b>	1,000 KOM 32,000 KG 24.06.16	100,00 1 KOM	100,00
<b>Popis oznaka</b>				
601121-2-039	POMOĆNA PUHALA-KONTROLNI KABINET			
34 / 1 601121-2-040	<b>STARTER HIDR.PUMPE GM-BR.1</b>	1,000 KOM 80,000 KG 24.06.16	99.100,00 1 KOM	99.100,00
<b>Popis oznaka</b>				
601121-2-040	STARTER HIDR.PUMPE GM-BR.1			
35 / 1 601121-2-041	<b>STARTER HIDR.PUMPE GM-BR.2</b>	1,000 KOM 80,000 KG 24.06.16	99.100,00 1 KOM	99.100,00
<b>Popis oznaka</b>				
601121-2-041	STARTER HIDR.PUMPE GM-BR.2			
36 / 1 601121-2-045	<b>PMI SWITCH/HUB</b>	1,000 KOM 1,000 KG 24.06.16	100,00 1 KOM	100,00
<b>Popis oznaka</b>				
601121-2-045	PMI SWITCH/HUB			
37 / 1 601121-2-046	<b>PMI PATCH PANEL</b>	1,000 KOM 2,000 KG 24.06.16	100,00 1 KOM	100,00
<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
	601121-2-046 PMI PATCH PANEL			
38 / 1	UNIVERZALNI PREDAJNIK	1,000 KOM	100,00	100,00
601121-2-048		1,000 KG	1 KOM	
		24.06.16		
	<b>Popis oznaka</b>			
	601121-2-048 UNIVERZALNI PREDAJNIK			
39 / 1	SET ZA UTEMELJENJE GM	1,000 SET	100,00	100,00
601121-2-053		20,000 KG	1 SET	
		24.06.16		
	<b>Popis oznaka</b>			
	601121-2-053 SET ZA UTEMELJENJE GM			
40 / 1	SP.KUTIJA S UTIČ.ZA ZAKRETNIK	1,000 KOM	100,00	100,00
	ZAMAŠNJAKA	,510 KG	1 KOM	
601121-2-054		24.06.16		
	<b>Popis oznaka</b>			
	601121-2-054 SP.KUTIJA S UTIČ.ZA ZAKRETNIK ZAMAŠNJAKA			
41 / 1	ANALOGNI PRETVARAČ	1,000 KOM	59,00	59,00
601121-2-049		1,000 KG	1 KOM	
		24.06.16		
	<b>Popis oznaka</b>			
	601121-2-049 ANALOGNI PRETVARAČ			
42 / 1	KONTROLNI PANEL ZA HYDR.AUTO FILTER	1,000 KOM	1,00	1,00
601121-2-058		,510 KG	1 KOM	
		24.06.16		
	<b>Popis oznaka</b>			
	601121-2-058 KONTROLNI PANEL ZA HYDR.AUTO FILTER			
43 / 1	PLOČA ZA ALATE-MS904	1,000 KOM	20,00	20,00
601121-2-062		45,000 KG	1 KOM	
		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	<b>PLOČA ZA ALATE-MS905</b>	1,000 KOM 60,000 KG 24.06.16	10,00 1 KOM	10,00
<b>Popis oznaka</b>				
601121-2-063 PLOČA ZA ALATE-MS905				
Dimenzija 900X1350				
45 / 1 601121-2-064	<b>PLOČA ZA ALATE-MS906</b>	1,000 KOM 45,000 KG 24.06.16	10,00 1 KOM	10,00
<b>Popis oznaka</b>				
601121-2-064 PLOČA ZA ALATE-MS906				
Dimenzija 900X900				
46 / 1 601121-2-065	<b>PLOČA ZA ALATE-MS901</b>	1,000 KOM 60,000 KG 24.06.16	10,00 1 KOM	10,00
<b>Popis oznaka</b>				
601121-2-065 PLOČA ZA ALATE-MS901				
Dimenzija 900X1350				
47 / 1 601121-2-066	<b>PLOČA ZA ALATE-MS902</b>	1,000 KOM 60,000 KG 24.06.16	10,00 1 KOM	10,00
<b>Popis oznaka</b>				
601121-2-066 PLOČA ZA ALATE-MS902				
Dimenzija 900X1350				
48 / 1 601121-2-067	<b>PLOČA ZA ALATE-MS908</b>	1,000 KOM 45,000 KG 24.06.16	10,00 1 KOM	10,00
<b>Popis oznaka</b>				
601121-2-067 PLOČA ZA ALATE-MS908				
Dimenzija 900X900				
49 / 1 601121-2-068	<b>PLOČA ZA ALATE-MS908</b>	1,000 KOM 45,000 KG 24.06.16	30,00 1 KOM	30,00
<b>Popis oznaka</b>				
601121-2-068 PLOČA ZA ALATE-MS908				
Dimenzija 900X900				

**Ukupan iznos: 3.104.700,00 EUR****Adresa isporuke****Uvjeti plaćanja**

UZI, plaćanje prema ugovoru

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Croatia

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**3. MAJ Brodogradilište d. d.**