

LIST OF OVER HOUL DESEMBER 2014 - DESEMBER 2015

No. Nama Kapal	Jenis	Type Mesin	Daya Motor	Jumlah Silinder	Start OH	Finish OH	Main Power	Keterangan
1 KM. MERATUS BARITO	A/E	MWM TBD 234 V8	480 kw / 643 HP	8	01-Dec-14	09-Dec-14	Amari / Susipto	General Overhaul
2 KM. MERATUS BARITO	A/E	MWM TBD 234 V8	480 kw / 643 HP	8	11-Dec-14	24-Dec-14	Amari / Susipto	General Overhaul
3 KM. MERATUS AMBON	A/E	MAN D2843 LE	447 kw / 600 HP	12	28-Dec-14	14-Jan-14	Amari / Susipto	General Overhaul
4 KM. MERATUS AMBON	A/E	MAN D2843 LE	447 kw / 600 HP	12	28-Dec-14	14-Jan-14	Amari / Susipto	Top Over Houl
5 KM. MERATUS AMBON	Emergency Chru	MWM TD 232	155 kw / 209 HP	6	28-Dec-14	18-Jan-14	Amari / Susipto	General Overhaul
6 KM. MERATUS BARITO	M/E Kanan	YANMAR 6BY 26	1920 kw / 2575 HP	6	04-Jan-15	05-Jan-15	Hadi margono	General Overhaul
7 POWER PACK 15	Power Pack	CAT 3466 B		6	07-Jan-15	20-Mar-15	All Team	General Overhaul
8 POWER PACK 17	Power Pack	MITSUBISHI S6B-PTA	482 kw / 647 HP	6	11-Jan-15	22-Feb-15	Sujanari / Kollusan	General Overhaul
9 KM. MARINA STAR 1	A/E	Yanmar S185-ST	368 kw / 493 HP	10	11-Jan-15		Fadeli / Soebari	General Overhaul
10 KM. MERATUS HALIKAPANI	M/E kiri	MAN D 2840 LE	1920 kw / 2575 HP	6	15-Jan-15			General Overhaul
11 KM. MERATUS BARITO	M/E	YANMAR 6BY 26	482 kw / 647 HP	6	31-Jan-15	10-Feb-15	armandus / Sutarjo / Bambang	General Overhaul
12 KM. MERATUS MEDAN 1	A/E	Yanmar M 220 AL - T N	736 kw / 987 HP	6	04-Feb-15	15-Feb-15	Hadi margono	General Overhaul
13 KM. RED RESCOURCE	M/E	MAK 551 AK	304 kw / 407 HP	6	20-Feb-15	08-Mar-15	Fadeli / Sujanari	General Overhaul
14 KM. RED RESCOURCE	Emergency Gen	MAN D2866 LE	480 kw / 643 HP	8	14-Mar-15	30-Mar-15	Fadeli / Bambang S.	General Overhaul
15 KM. MUSI RIVER	A/E	MAN D2342	304 kw / 407 HP	12	26-Mar-15	25-Apr-15	A.ch. Soebari	General Overhaul
16 KM. TERRITORY TRADER	A/E (kanan depan)	MWM TBD 234 V8	480 kw / 643 HP	8	25-Mar-15	26-Mar-15	Fadeli / Bambang S.	General Overhaul
17 KM. TERRITORY TRADER	A/E kiri depan	MWM TBD 234 V8	480 kw / 643 HP	8	21-Mar-15	10-Apr-15	Maniyar / Sujanari /	General Overhaul
18 PALLAT	BOOT	Mitsubishi D 16 - T	480 kw / 643 HP	6	04-Apr-15	18-Apr-15	rehanan / Sujanari	Top Over Houl
19 KM. MERATUS	A/E	YANMAR 6L 165L	268 kw / 360 HP	6	11-Apr-15	28-Apr-15	rehanan / Sujanari	General Overhaul
20 MV. MERATUS PALLI	A/E Kanan	MAN H&W 6L 16/24	540 kw / 734 HP	6	10-Apr-15	07-Jun-15	marso samon ang / taufik / sugan	General Overhaul
21 KM. MERATUS BONTANG	A/E 1	HND TBD 234 V8	480 kw / 643 HP	8	10-Apr-15	07-Jun-15	M. Amari / Sutarjo / Susipto	General Overhaul
22 KM. MERATUS BONTANG	A/E 3	HND TBD 234 V8	480 kw / 643 HP	8	20-Apr-15	20-Jun-15	manisar / rozkin	General Overhaul
23 KM. MERATUS BONTANG	A/E 2	HND TBD 234 V8	480 kw / 643 HP	8	20-Apr-15	05-Jun-15	M. Amari / Sutarjo / Susipto	General Overhaul
24 KM. MARINA STAR 3	A/E	Yanmar S185-ST	482 kw / 647 HP	6	19-Jun-15		Fadeli / Rozikin / Bambang	General Overhaul
25 KM. MENTAYA RIVER	A/E Tengah	MAN D 2542 MTE	304 kw / 407 HP	6	01-Jun-15	13-Jun-15	manisa m. / rehanan	General Overhaul
26 KM. MERATUS KELIMUTU	A/E 2	YANMAR 6N 165L-PN	480 kw / 643 HP	12	01-Jun-15	14-Jun-15	manisa m. / Sujanari	General Overhaul
27 KM. MERATUS BENOA	A/E 4	MWM TBD 234 V8	480 kw / 643 HP	8	01-Jun-15	14-Jun-15	A.ch. Soebari / Fadeli	General Overhaul
28 KM. MENTAYARIVER	A/E Tengah	MAN D 2542 MTE	504 kw / 407 HP	12	18-Agu-15	27-Agu-15	manisa Sutarjo	Top Overhaul
29 MV. MERATUS PALU	A/E Kanan	MAN B&W 6L 16/24	540 kw / 734 HP	6	01-Sep-15	20-Sep-15	Triska/Fadeli	Top Overhaul
30 PALLAT	BOOT	Mitsubishi D 16 - T	480 kw / 643 HP	6	05-Sep-15	10-Nov-15	manisa m. / Sujanari	General Overhaul
31 MV. MERATUS PALU	A/E Kanan	MAN B&W 6L 16/24	540 kw / 734 HP	6	05-Sep-15	10-Nov-15	marso samon ang / taufik / rehan	General Overhaul
32 KM. MENTAYARIVER	A/E Tengah	MAN D 2542 MTE	304 kw / 407 HP	6	20-Nov-15	25-Dec-15	manisa / Pabeli	General Overhaul
33 KM. MUSI RIVER	A/E	MAN D 2542 MTE	304 kw / 407 HP	6				General Overhaul
34 KM. MERATUS BENOA	A/E	MWM TBD 234 V8	480 kw / 643 HP	12				General Overhaul



Dibuat Oleh

 Rebon ACBIA
 Adm. Workshop

Lampiran 2

A. TARIF JASA TENAGA KERJA KE FIELD

No	Uraian	UNIT	STANDAR	SAHAJ	TARIF
1	Supervisor / day			Rp	1.100.000
2	Electrician/ Foreman / day			Rp	850.000
3	Electrician / day			Rp	450.000
4	Crane Foreman/day			Rp	850.000
5	Crane Mechanic / day			Rp	450.000
6	Mechanic Repair O/H Foreman / day			Rp	850.000
7	Mechanic Repair O/H / day			Rp	450.000
8	Tukang Kayu / Batu /day			Rp	300.000
9	Welder /day			Rp	300.000

B. TARIF JASAPERBAIKAN REPAIR & OVERHAUL

No	Uraian	UNIT	STANDAR	SAHAJ	TARIF
1	Chain block	Per ton SWL		Rp	192.500
2	Cleaning Intercooler: including chemical dan press test	Per cm ²		Rp	55
3	Grinding; Valve seat & Spindle Valve M/E	Per pc		Rp	275.000
4	Grinding; valve seat & spindle valve A/E including lapping	Per pc		Rp	82.500
5	Perbaikan Cylinder head M/E including cleaning & press test	Per unit		Rp	2.750.000
6	Perbaikan Cylinder head A/E	Per pc		Rp	1.100.000
7	Engine Overhaul (General Overhaul) M/E	Per PK > 5000		Rp	93.500
8	Engine Overhaul (General Overhaul) M/E	Per PK < 5000		Rp	104.500
9	Engine Overhaul (General Overhaul) A/E	Per PK > 500		Rp	104.500
10	Engine Overhaul (General Overhaul) A/E	Per PK < 500		Rp	110.000
11	Engine Top Overhaul M/E > 5000 PK	Per PK/Cyl		Rp	82.500
12	Engine Top Overhaul M/E < 5000 PK	Per PK/Cyl		Rp	77.000
13	Engine Top Overhaul A/E > 500 PK	Per PK/Cyl		Rp	60.500
14	Engine Top Overhaul A/E < 500 PK	Per PK/Cyl		Rp	49.500
15	Hook Derek	Per ton SWL		Rp	137.500
16	Cargo Block Crane	Per ton SWL		Rp	275.000
17	Hydraulic jack	Per ton		Rp	165.000
18	Inspeksi Power pack	Per unit		Rp	1.650.000
19	Overhaul LO attach pump M/E	Per unit		Rp	4.125.000
20	Overhaul LO attach pump A/E (Besar) > 500 PK	Per unit		Rp	1.925.000
21	Overhaul LO attach pump A/E (Kecil) < 500 PK	Per unit		Rp	1.375.000
22	Perbaikan injector M/E	Per unit		Rp	302.500
23	Perbaikan injector A/E (Besar) > 500 PK	Per pc		Rp	110.000
24	Perbaikan injector A/E (Kecil) < 500 PK	Per pc		Rp	82.500
25	Perbaikan pompa air pendingin M/E	Per unit		Rp	4.400.000
26	Perbaikan pompa air pendingin A/E	Per unit		Rp	2.200.000
27	Perbaikan water pump (kecil)	Per unit		Rp	1.650.000
28	Perbaikan GS pump / Ballast pump	Per unit		Rp	6.600.000
29	Perbush camshaft A/E	Per pc		Rp	82.500
30	Perbush conrod A/E	Per pc		Rp	165.000
	Piston:cleaning, ukur journal piston, crack test, contact surface				
31	Main Engine > 5000 PK	Per unit		Rp	2.200.000
32	Main Engine < 5000 PK	Per unit		Rp	1.650.000
33	Aux. Engine > 500 PK	Per unit		Rp	550.000
34	Aux. Engine < 500 PK	Per unit		Rp	137.500
35	Radiator	Per cm ²		Rp	28
36	Service gate valve / stop kran (Kecil) < 2 inches	Per unit		Rp	82.500
37	Service gate valve / stop kran (besar) > 3 inches	Per unit		Rp	330.000
38	Overhaul Fuel Injection Pump M/E > 5000 PK			Rp	8.250.000
39	Overhaul Fuel Injection Pump M/E < 5000 PK			Rp	5.500.000
40	Overhaul Air Starting Valve M/E > 5000 PK			Rp	385.000
41	Overhaul Air Starting Valve M/E < 5000 PK			Rp	275.000
42	Airbu charger A/E - M/E	Per unit		Rp	7.700.000
43	Tarip kulk recondisi	Per pc		Rp	165.000
45	Perbaikan LO cooler A/E	Per unit		Rp	1.650.000

MERATUS		INVOICE			
WORKSHOP ARMADA PT. MERATUS LIN		No : 07/Mci/WS/15		Date : Mei - Juni 2015	
Customer	KM. MERATUS PALU				
	PT MERATUS LINE				
No	PESANAN/ORDER	TK	PRICE (Rp)	HOOR (Jam)	TOTAL
1	Selesai General Overhaul A/E	2	95000	56	Rp 10,640,000.00
	01 Apr 2015 s/d 28 Apr 2015				Rp -
					Rp -
					Rp -
					Rp -
					Rp -
					Rp -
					Rp -
2	Transport		55000	7	Rp 770,000.00
					Rp -
		Total Bruto			Rp 11,410,000.00
		+ tax service (30%)			Rp 3,423,000.00
		Netto			Rp 14,833,000.00
Terbilang : Lima puluh sembilan juta tiga ratus tiga puluh dua ribu rupiah					



Surabaya 07 Mei 2015

Workshop Manager

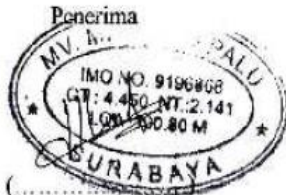
MERATUS		INVOICE			
WORKSHOP ARMADA PT. MERATUS LINE		No : 25/Sep/WS/15		Date : September - Oktober 2015	
Customer	KM. MERATUS PALU				
	PT MERATUS LINE				
No	PESANAN/ORDER	TK	PRICE (Rp)	HOUR (Jam)	TOTAL
1	Selesai Top Overhaul A/E	2	55000	160	Rp 17,600,000.00
	01 Sep 2015 s/d 20 Sep 2015				Rp -
					Rp -
					Rp -
					Rp -
					Rp -
					Rp -
					Rp -
2	Transport		55000	20	Rp 2,200,000.00
					Rp -
		Total Bruto			Rp 19,800,000.00
		+ tax service (30%)			Rp 5,940,000.00
		Netto			Rp 25,740,000.00
Terbilang : Dua puluh lima juta tujuh ratus empat puluh ribu rupiah					



Surabaya 25 Sep 2015

Workshop Manager

MERATUS		INVOICE			
WORKSHOP ARMADA PT. MERATUS LINE		No : 28/Dcs/WS/15		Date : November - Desember 2015	
Customer	KM. MERATUS PALU				
	PT MERATUS LINE				
No	PESANAN/ORDER	TK	PRICE (Rp)	HOUR (Jam)	TOTAL
1	Selesai General Overhaul A/E 20 Nov 2015 s/d 25 Des 2015	2	95000	280	Rp 53,200,000.00
					Rp -
					Rp -
					Rp -
					Rp -
					Rp -
					Rp -
2	Transport		55000	36	Rp 3,960,000.00
3	Machining (Bridge Valve)	16	65000		Rp 1,040,000.00
Total Bruto					Rp 58,200,000.00
+ tax service (30%)					Rp 17,460,000.00
Netto					Rp 75,660,000.00
Terbilang : Tujuh puluh lima juta enam ratus enam puluh ribu rupiah					



	BERITA ACARA SERAH TERIMA ENGINE
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Dengan Hormat


Pada hari ini Tgl/ Bln /Thn

Telah kami serah terimakan 1 (satu) unit Engine dengan spesifikasi dan kondisi sbb:

MOTOR BANTU / PP NO : 1	TUJUAN / KM : MV. MERATUS PALU
MEREK GENERATOR : MAN B&W	MEREK ENGINE : MAN B&W
MODEL GENERATOR : 6 L16/24	MODEL ENGINE : 6 L16/24
S/N. GENERATOR : 21281	S/N. ENGINE : 21281
KVA / KW : 540	HORSE POWER :

NO	DESCRIPTION	KETERANGAN
1	RPM	Rpm
2	L.O PRESSURE	4,8 Bar
3	L.O TEMPERATUR	58 °C
4	FW. COOLING PRESSURE	3,5 Bar
5	FW. COOLING TEMPERATUR	°C
6	EXH GAS TEMPERATUR	350 °C
7	AIR SCAVING PRESSURE	Bar
8	VOLTAGE	445 V
9	HZ / FREQUENCY	Hz
10	AMPERES / BEBAN	161 Amp

CATATAN :

YANG MENYERAHKAN PEPAKSA  (-----)	
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BERITA ACARA SERAH TERIMA ENGINE

Dengan Hormat

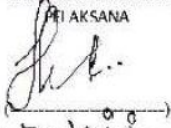

Pada hari ini Tgl/ Bln /Thn

Telah kami serah terimakan 1 (satu) unit Engine dengan spesifikasi dan kondisi sbb:

MOTOR BANTU / PP NO : 1	TUJUAN / KM : MV. MERATUS PALU
MEREK GENERATOR : MAN B&W	MEREK ENGINE : MAN B&W
MODEL GENERATOR : 6 L16/24	MODEL ENGINE : 6 L16/24
S/N. GENERATOR : 21281	S/N. ENGINE : 21281
KVA / KW : 540	HORSE POWER :

NO	DESCRIPTION	KETERANGAN
1	RPM	Rpm
2	L.O PRESSURE	4,7 Bar
3	L.O TEMPERATUR	59 o C
4	FW. COOLING PRESSURE	3,7 Bar
5	FW. COOLING TEMPERATUR	o C
6	EXH GAS TEMPERATUR	351 o C
7	AIR SCAVING PRESSURE	Bar
8	VOLTAGE	445 V
9	HZ / FREQUENCY	Hz
10	AMPERES / BEBAN	161 Amp

CATATAN :

YANG MENYERAHKAN PIHAK AKSANA  Fadhli	PENERIMA Pihak Kapal 
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	BERITA ACARA SERAH TERIMA ENGINE
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Dengan Hormat

Pada hari ini Tgl/ Bln /Thn

Telah kami serah terimakan 1 (satu) unit Engine dengan spesifikasi dan kondisi sbb

MOTOR BANTU / PP NO : 1	TUJUAN / KM : MV. MERATUS PALU
MEREK GENERATOR : MAN B&W	MEREK ENGINE : MAN B&W
MODEL GENERATOR : 6 L16/24	MODEL ENGINE : 6 L16/24
S/N. GENERATOR : 21281	S/N. ENGINE : 21281
KVA / KW : 540	HORSE POWER :

NO	DESCRIPTION	KETERANGAN
1	RPM	Rpm
2	L.O PRESSURE	5,0 Bar
3	L.O TEMPERATUR	56 o C
4	FW. COOLING PRESSURE	3 Bar
5	FW. COOLING TEMPERATUR	76 o C
6	EXH GAS TEMPERATUR	395 o C
7	AIR SCAVING PRESSURE	Bar
8	VOLTAGE	445 V
9	HZ / FREQUENCY	Hz
10	AMPERES / BEBAN	161 Amp

CATATAN :

YANG MENYERAHKAN PELAKSANA 	PENERIMA 
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