



OWNER :

**DIT. KPLP – DITJEN HUBLA
KEMENHUB RI**



TIME CONTRACT ADDENDUM

LAPORAN KEMAJUAN BOBOT PEKERJAAN PEMBANGUNAN 3 UNIT KAPAL PATROLI KPLP KELAS IV ALUMINIUM (MINGGU KE-39)

PERIODE (12 ~ 15 SEPTEMBER '23)

**PERIODE (12 ~ 15 SEPTEMBER '23)
(MINGGU KE-39)**

KONTRAKTOR/ GALANGAN:

PT. BEN SANTOSA



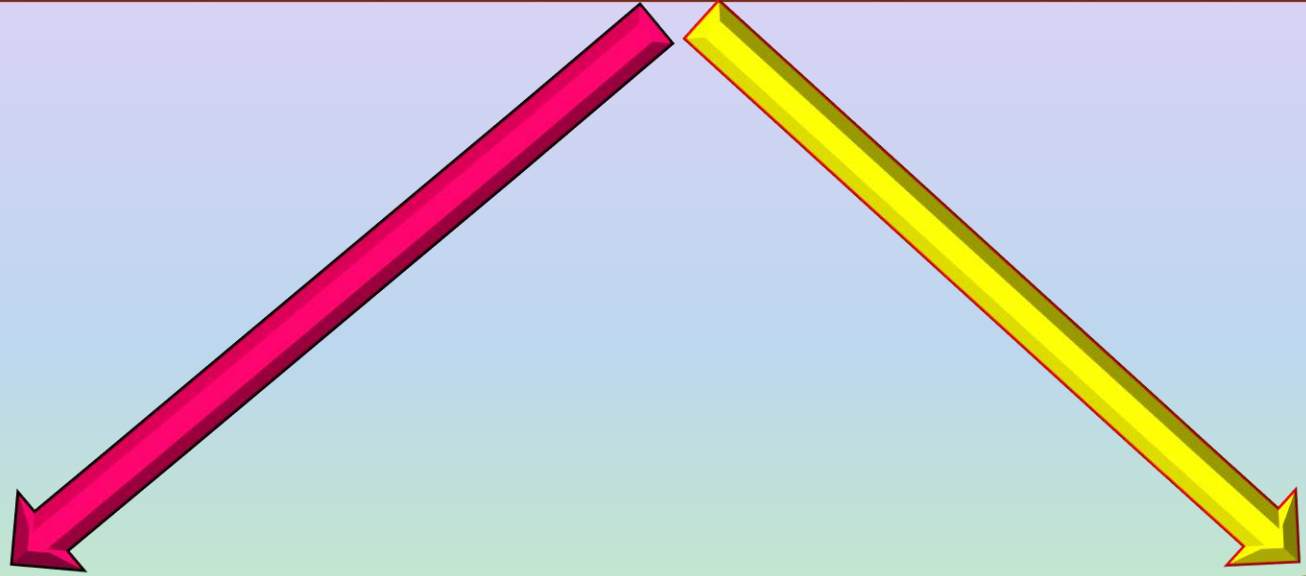
KONSULTAN PENGAWAS :



**SUWONDO
SANDIKA**



**DURATION CONTRACT ADDENDUM : 61 DAYS
(STARTING FROM JULY 18, 2023)**

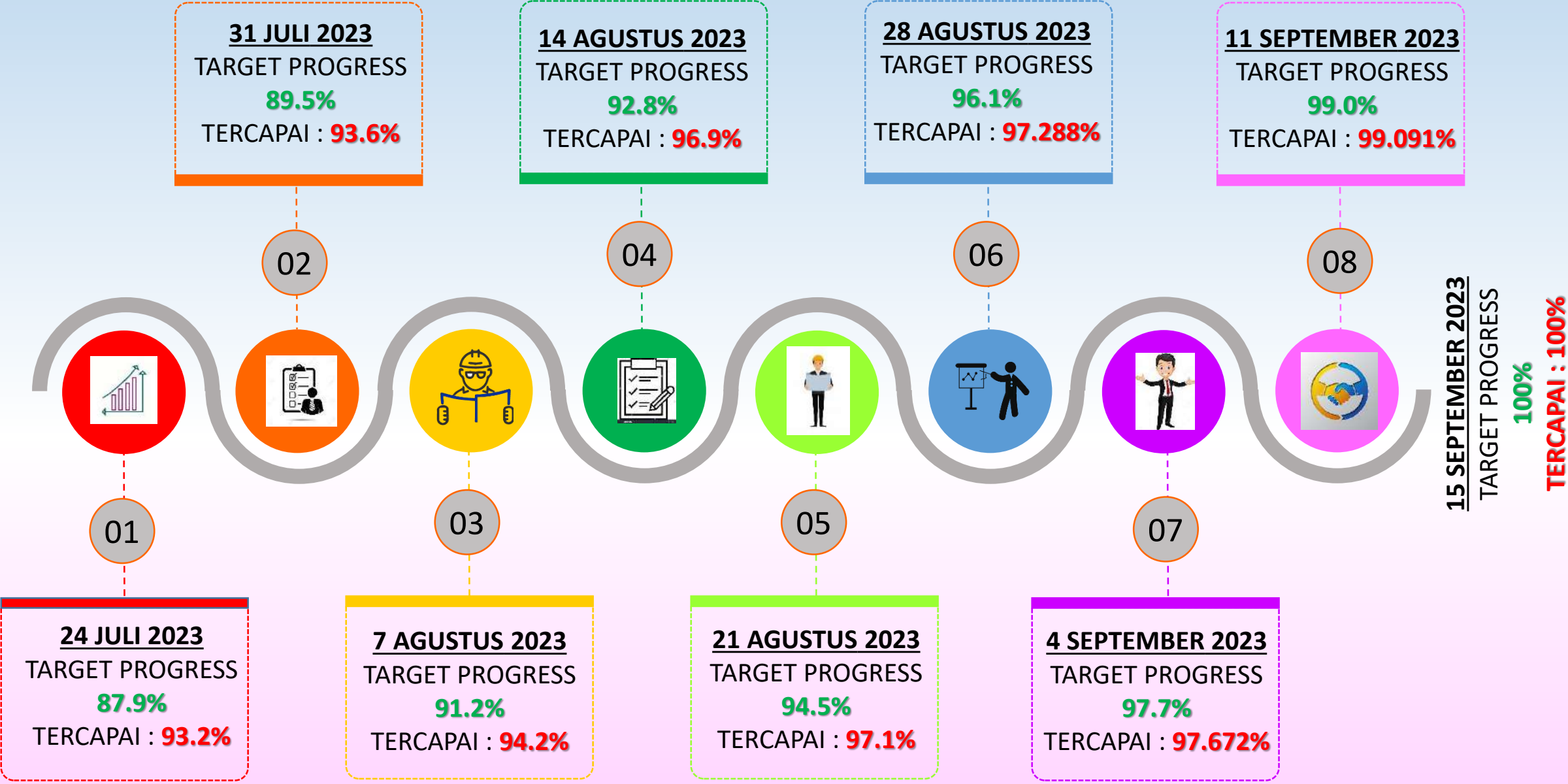


A diagram consisting of two arrows originating from the bottom center of the top text box. A red arrow points diagonally down and to the left towards the 'RUNNING DAYS : 61' box. A yellow arrow points diagonally down and to the right towards the 'REMAINNING DAYS : 0' box.

RUNNING DAYS : 61

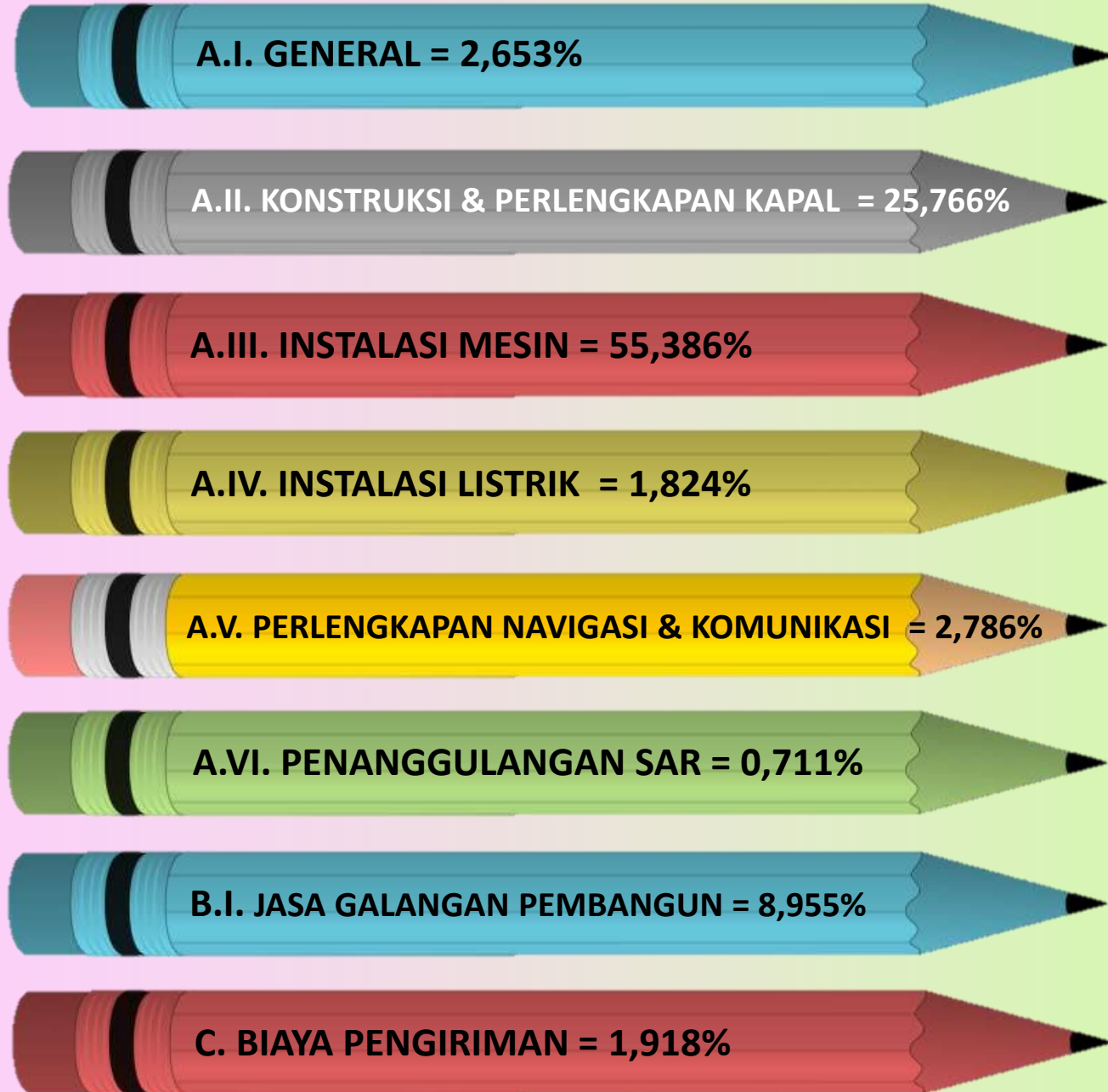
REMAINNING DAYS : 0

WEEKLY TIME LINE (CONTRACT ADDENDUM)



PROGRES CAPAIAN BOBOT PEKERJAAN s/d MINGGU KE-39 (12 ~ 15 SEPT '23)

RESUME



100%



WEEKLY PROGRESS



WEEK 31

93.245%

PEKERJAAN :

1. Finishing interior, furniture
2. Pemasangan mesin induk
3. Connect alat navkom, steering, system permesinan
4. Pengecatan bawah garis air, main deck, super structure

WEEK 32

93.634%

PEKERJAAN :

1. Finishing interior, furniture
2. Allignment main engine.
3. Pengecatan bawah garis air, main deck, super structure
4. Loading kapal ke launch cradle.
5. Covering furniture2.
6. Connect alat navkom, steering, system permesinan.

WEEK 33

94.232%

PEKERJAAN :

1. Peluncuran kapal.
2. Onboard peralatan navkom.
3. Onboard peralatan keselamatan.
4. Inclining test.
5. Prepare uji fungsi peralatan.

WEEK 34

96.857%

PEKERJAAN :

1. Uji fungsi permesinan.
2. Uji fungsi alat navkom.
3. Penempatan peralatan serta kelengkapan diatas kapal.
4. Cleaning inside dan outside kapal.
5. Dock trial.





WEEKLY PROGRESS



WEEK 35

97.053%

PEKERJAAN :

1. DOCK TRIAL.
2. CLEANING ROOMS.
3. PREPARE SEA TRIAL.

WEEK 36

97.288%

PEKERJAAN :

1. DOCK TRIAL.
2. OFFICIAL SEA TRIAL.

WEEK 37

97.672%

PEKERJAAN :

1. OFFICIAL SEA TRIAL
2. FAMILIARISASI.
3. PEMINDAHAN PERALATAN KAPAL DARI GUDANG.
4. CLEANING.

WEEK 38

99.091%

PEKERJAAN :

1. FAMILIARISASI KRU KAPAL.
2. PENGIRIMAN KAPAL KE UPP SATUI, UPP BULUKUMBA, DAN UPP WANCI.





WEEKLY PROGRESS



WEEK 39

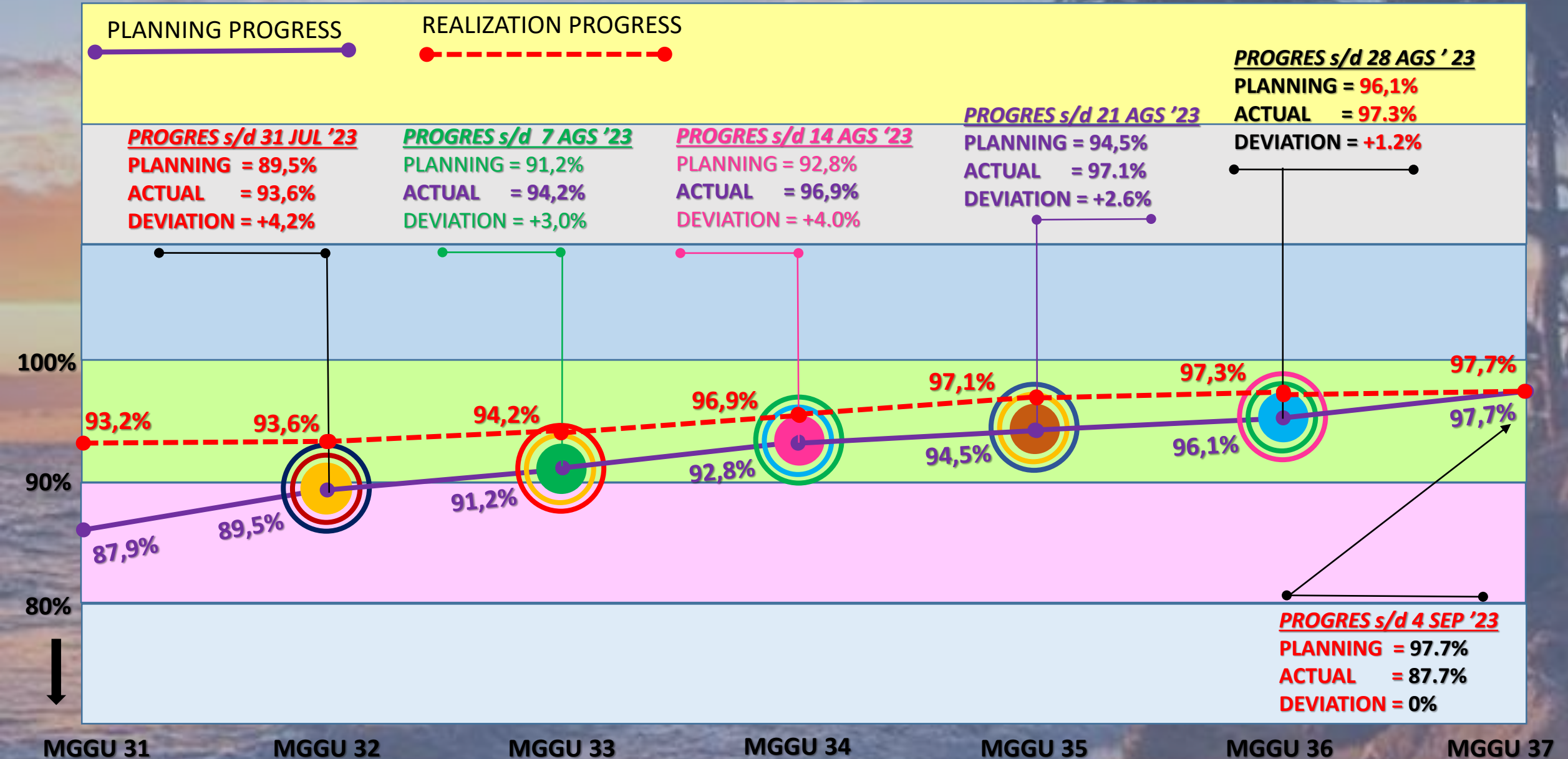
100%

PEKERJAAN :

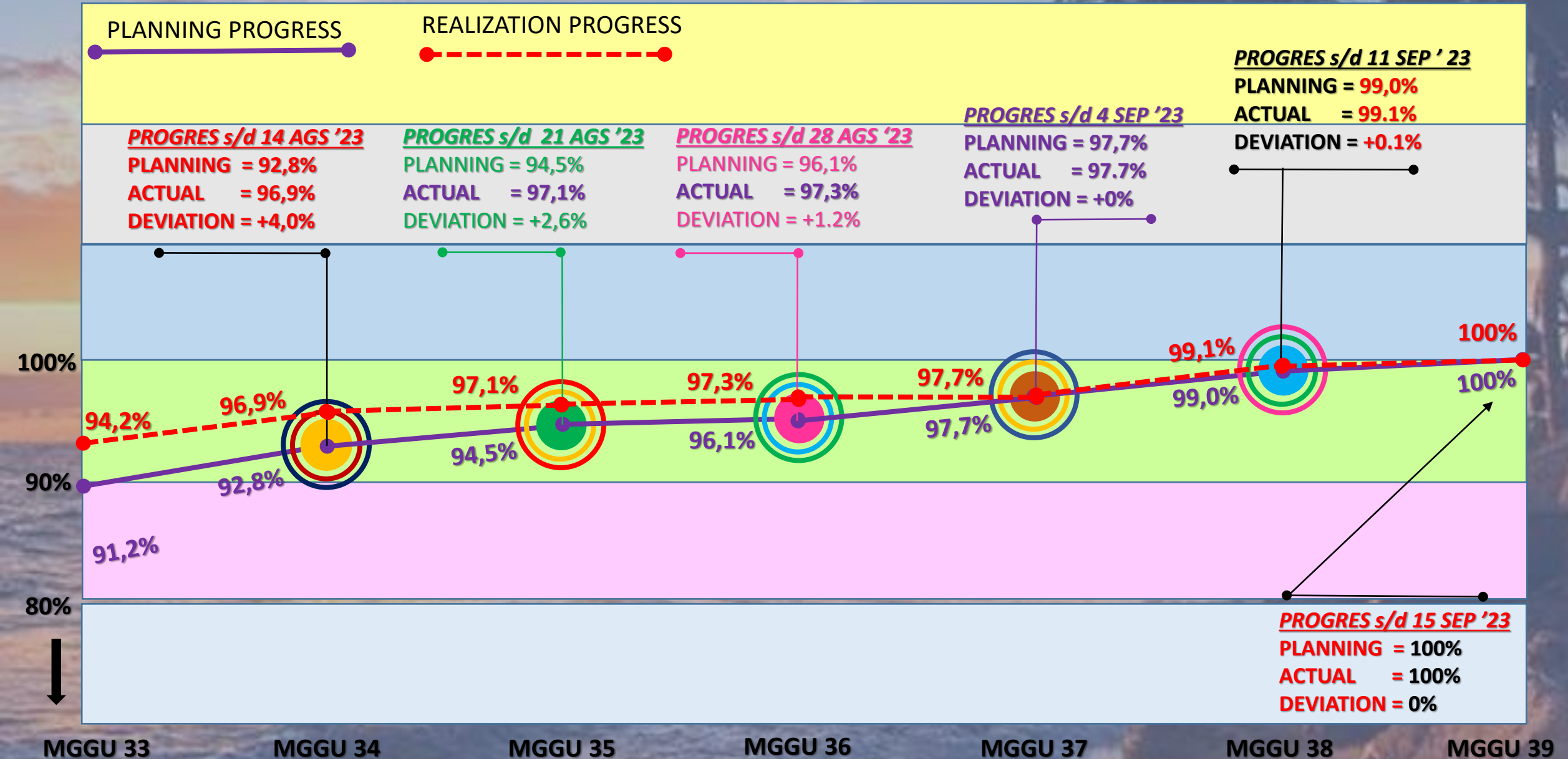
1. PENGIRIMAN KAPAL
2. INVENTARISASI DI @ UPP.
3. SERAH TERIMA KAPAL



S - CURVE (CONTRACT ADDENDUM)



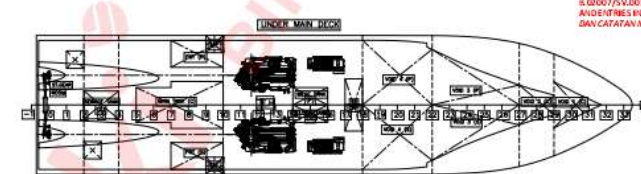
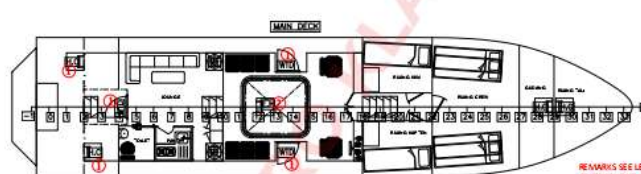
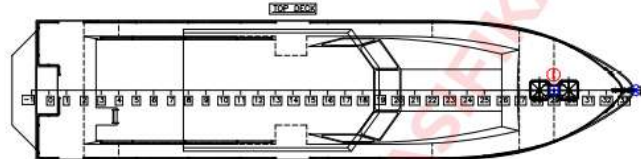
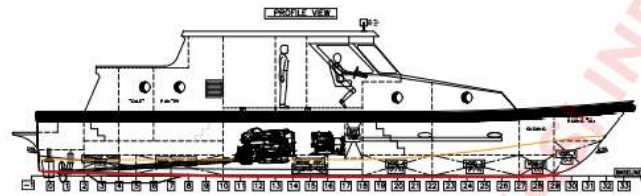
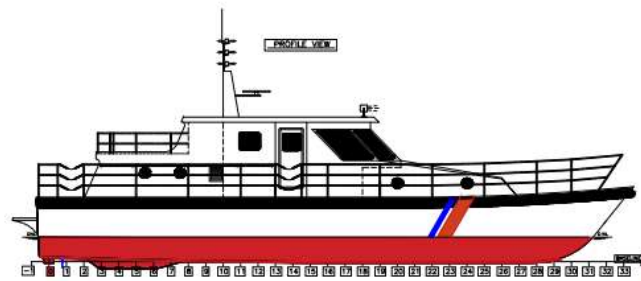
S - CURVE (CONTRACT ADDENDUM)



UKURAN UTAMA KAPAL :

1. PANJANG SELURUHNYA (LOA)	=	17,11 M
2. PANJANG GARIS AIR (LWL)	=	15,92 M
3. LEBAR (Bmld)	=	4,00 M
4. TINGGI (Hmld) AT MIDSHIP	=	1,80 M
5. SARAT AIR (T) DESIGN	=	0,70 M
6. NOTASI KELAS	=	+A100 (Isp) III PATROL BOAT AL & SM
7. SISTEM PENGGERAK	=	2 X MARINE DIESEL ENGINE, 2 X MIN 500 HP
8. SISTEM PROPULSI	=	SISTEM POROS BALING-BALING
9. KECEPATAN MAXIMUM	=	24 KNOT (Sea Trial Condition)
10. JARAK JELAJAH (RANGE)	=	200 NM
11. AWAK KAPAL	=	6 ORANG
12. KAPASITAS TANKI BAHAN BAKAR	=	2000 LITER
13. KAPASITAS TANKI AIR TAWAR	=	550 LITER

GENERAL ARRANGEMENT

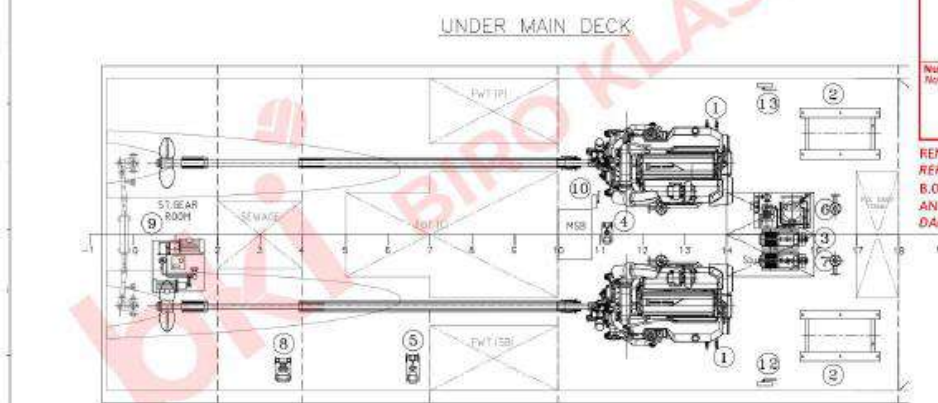
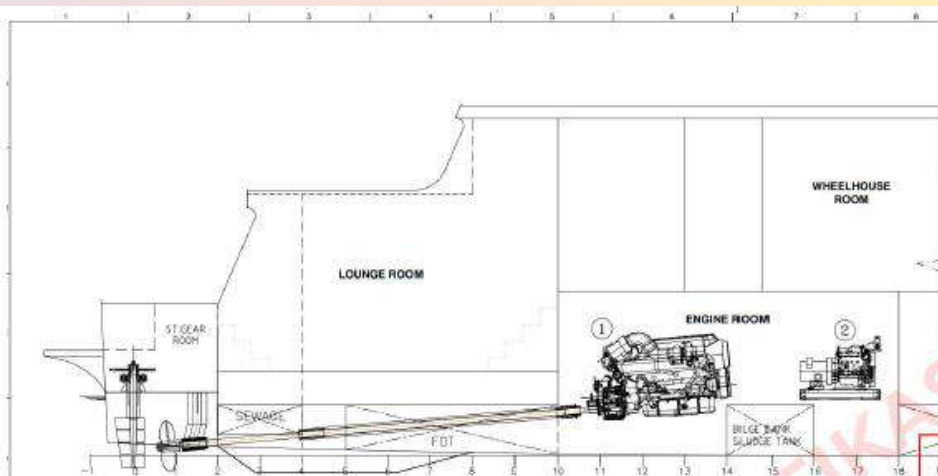


REMARKS SEE LETTER NO.
REKOMENDASI LAMAT SURAT NO.
B.04007/SV.DD/UPR/03-23
AND ENTRIES IN THE DRAWING/DOKUMENT TO BE OBSERVED
DAN CATATAN MERAH PADA GAMBAR/DOKUMEN AGAR DIPERHATIKAN

PRINCIPAL PARTICULARS	
LENGTH O.A.	17,150 M
LENGTH M.L.	15,400 M
LENGTH P.A.	16,410 M
B	4,00 M
D	7,8 M
DRAUGHT (A.S.L.)	(0,70) M
SPEED MAX.	24 KNOTS
CRUISING	7 KNOTS

PT. BEN SANTOSA LAUNCHING, MARINE & MARINE EQUIPMENT	
PROJECT NO. B.04007/SV.DD/UPR/03-23	PROJECT NAME KAPAL PATROL KELAS IV
DRAWN BY GENERAL ARRANGEMENT	CHECKED BY H-102
DIREKTORAT KESATUAN PENJAGAAN LAUT DAN PANTAI	

ENGINE ROOM LAYOUT



No.	Deskripsi	Qty	Type	Maker
1	MEKANISME DAN GEARBOX	2	YOUNG PONS DB-550	
2	GENSET	2	4 15 KW	
3	POMPA FIRE / G.S.	1	7 M3/JAM	
4	POMPA BAHAN BAKAR	1	12 LITER/MENIT	
5	POMPA AIR TAWAR	1	12 LITER/MENIT	
6	DELT WATER SEPARATOR	1	0,25 M3/JAM	
7	POMPA BILGE	1	10 M3/JAM	
8	POMPA SEWAGE	1	17 LITER/MENIT	
9	HYDRAULIC POWER PACK	1	MAKER STD.	
10	POMPA TANGKAI BAHAN BAKAR	1	25 LITER/MENIT	
12	POMPA TANGKAI SLODGE	1	25 LITER/MENIT	
13	POMPA TANGKAI BILGE	1	25 LITER/MENIT	

SEEN DIKETAHUI
 Number / 2301040018
 Nomor
 Jakarta, 28 MAR 2023

REMARKS SEE LETTER NO.
REKOMENDASI LIHAT SURAT NO.
B.04334/SV.001/PRB/KI-23
AND ENTRIES IN THE DRAWING/DOKUMENT TO BE OBSERVED
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PROJECT NO. B.04007/SV.DD/UPR/03-23	PROJECT NAME KAPAL PATROL KELAS IV
DRAWN BY ENGINE ROOM LAYOUT	CHECKED BY H-102
DIREKTORAT KESATUAN PENJAGAAN LAUT DAN PANTAI	

INSPEKSI BKI

NO	URAIAN PEKERJAAN	PELAKSANAAN	KETERANGAN
1	IDENTIFIKASI MATERIAL	24 JANUARI '23	ACCEPTED
2	FIT UP & SCANTLING	21 FEBRUARI '23	ACCEPTED
3	WELDING CHECK : UT FLAW VERIFIKASI TITIK X-RAY	28 MAR, 3 APR, 14 APRIL, 5 MEI, 9 MEI, 15 MEI, 22 MEI '23	ACCEPTED
4	PRESS. TANKS TEST	15 MEI '23	ACCEPTED
5	M/E FOUNDATION	24 MEI '23	ACCEPTED
6	PENGUKURAN DRAFT MARK	22 MEI '23	ACCEPTED
7	INCLINING TEST	8 AGUSTUS '23	ACCEPTED
8	FUNCTION TEST	9 ~11 AGUSTUS '23	ACCEPTED

D267

D268

D269

D270

D271

D272

D273



FOTO PEKERJAAN (MINGGU KE-39)

PERIODE 12 – 15 SEPTEMBER '23

PEMBANGUNAN 3 UNIT KAPAL PATROLI KELAS IV ALUMINIUM

DIT. KPLP – DITJEN HUBLA – KEMENHUB RI

(T.A 2022 - 2023)

D268

D269

D270

D271

D272

D273

D267

KONSULTAN PENGAWAS :
PT. SUWONDO SANDIKA

DOKUMENTASI
PEKERJAAN HARI KE-267
SELASA
12 SEPTEMBER 2023



INVENTARISASI PERALATAN & KELENGKAPAN KAPAL DI LOKASI PENERIMA KAPAL

KONTRAKTOR/ GALANGAN :
PT. BEN SANTOSA



D267

D269

D270

D271

D272

D273

D268

KONSULTAN PENGAWAS :
PT. SUWONDO SANDIKA

DOKUMENTASI
PEKERJAAN HARI KE-268
RABU
13 SEPTEMBER 2023



KN. P. 4008 TIBA DI PERMAGA WANCI

KN. P. 4008 Tiba di UPP Wanci
Rabu, 13-09-2023
10.00 WITA



KONTRAKTOR/ GALANGAN :
PT. BEN SANTOSA

D267

D268

D269

D270

D271

D272

D273

KONSULTAN PENGAWAS :
PT. SUWONDO SANDIKA

DOKUMENTASI
PEKERJAAN HARI KE-269
KAMIS
14 SEPTEMBER 2023

KONTRAKTOR/ GALANGAN :
PT. BEN SANTOSA



INVENTARISASI DI LOKASI PENERIMA KAPAL

D267

D268

D269

D270

D271

D272

D273

KONSULTAN PENGAWAS :
PT. SUWONDO SANDIKA

DOKUMENTASI
PEKERJAAN HARI KE-270
JUM'AT
15 SEPTEMBER 2023



KONTRAKTOR/ GALANGAN :
PT. BEN SANTOSA

SIMBOLIS SERAH TERIMA KAPAL

TERIMA KASIH

(ADDENDUM WAKTU KONTRAK)

RESUME

PERSENTASE AKUMULASI BOBOT HASIL PEKERJAAN MINGGU KE-39

KAPAL 1, 2, & 3

(PERIODE 12 ~ 15 SEPTEMBER 2023)

PEMBANGUNAN 3 (TIGA) UNIT KAPAL PATROLI KELAS IV ALUMINIUM

DIREKTORAT KPLP – SATKER PENINGKATAN FUNGSI KPLP

TAHUN ANGGARAN 2022 - 2023

RESUME

LAPORAN KEMAJUAN CAPAIAN BOBOT PEKERJAAN MINGGU KE-39 (PERIODE 12 ~ 15 SEPTEMBER 2023)



PAKET PEKERJAAN : PENGAWASAN (SUPERVISI) PEMBANGUNAN 3 (TIGA) UNIT KAPAL PATROLI KELAS IV ALUMINIUM
 OWNER : KEMENTERIAN PERHUBUNGAN - DIREKTORAT JENDERAL PERHUBUNGAN LAUT
 SATUAN KERJA : PENINGKATAN FUNGSI KESATUAN PENJAGAAN LAUT DAN PANTAI
 TAHUN ANGGARAN : 2022 - 2023
 KONTRAKTOR/ GALANGAN : PT. BEN SANTOSA
 KONSULTAN PENGAWAS : PT. SUWONDO SANDIKA

PENOMORAN	JENIS BARANG/ JASA	BOBOT	REALISASI CAPAIAN BOBOT 3 KAPAL		
			s/d MGGU INI	s/d MGGU LALU	KEMAJUAN
A	MATERIAL/ KOMPONEN PEMBANGUNAN KAPAL				
I	GENERAL	2.653%	2.653%	2.463%	0.190%
II	KONSTRUKSI DAN PERLENGKAPAN KAPAL	25.766%	25.766%	25.766%	0.000%
III	INSTALASI MESIN	55.386%	55.386%	55.386%	0.000%
IV	INSTALASI LISTRIK	1.824%	1.824%	1.824%	0.000%
V	PERLENGKAPAN NAVIGASI DAN KOMUNIKASI	2.786%	2.786%	2.786%	0.000%
VI	PENANGGULANGAN SAR	0.711%	0.711%	0.711%	0.000%
B	JASA PEMBUATAN KAPAL				
I	GALANGAN PEMBANGUN	8.955%	8.955%	8.940%	0.015%
C	BIAYA PENGIRIMAN (UPP Wanci, UPP SATUI, DAN UPP BULUKUMBA)	1.918%	1.918%	1.215%	0.703%
TOTAL PENYELESAIAN		100.000%	100.00%	99.091%	0.909%

Dibuat,
KONSULTAN PENGAWAS
PT. SUWONDO SANDIKA

Disetujui,
GALANGAN PEMBANGUN
PT. BEN SANTOSA

Mengetahui,
PPK
SATKER PFKPLP

Mengetahui,
TIM TEKNIS
SATKER PFKPLP

ZAENAL ABIDIN, ST
Direktur

Ir. BEN SANTOSA
Direktur

ADHIPRANA PANDIA
NIP. 197309052006041001

AJI SUGANDA, ST, MT
NIP. 198102232006041001

(ADDENDUM WAKTU KONTRAK)

**PERHITUNGAN DETAIL AKUMULASI PERSENTASE BOBOT
HASIL PEKERJAAN MINGGU KE-39 (KAPAL 1, 2, & 3)
PERIODE 12 ~ 15 SEPTEMBER 2023**

**PEMBANGUNAN 3 (TIGA) UNIT KAPAL PATROLI KELAS IV ALUMINIUM
DIREKTORAT KPLP – SATKER PENINGKATAN FUNGSI KPLP
TAHUN ANGGARAN 2022 - 2023**

PENOMORAN		JENIS BARANG / JASA	BOBOT 3 KAPAL			BOBOT 1 KAPAL			UNIT KAPAL 1		UNIT KAPAL 2		UNIT KAPAL 3	
			VOLUME	SATUAN	BOBOT	VOLUME	SATUAN	BOBOT	BOBOT	PROGRES	BOBOT	PROGRES	BOBOT	PROGRES
		Wheel House												
	20	3 Jendela depan wheel house	9	SET	0.164%	3	SET	0.055%	0.055%	100.000%	0.055%	100.000%	0.055%	100.000%
	21	4 Jendela sisi persegi wheel house	12	SET	0.219%	4	SET	0.073%	0.073%	100.000%	0.073%	100.000%	0.073%	100.000%
	22	4 Jendela sisi kiri dan 4 sisi kanan bulat	24	SET	0.351%	8	SET	0.117%	0.117%	100.000%	0.117%	100.000%	0.117%	100.000%
d		Perlengkapan geladak.												
	23	- Jangkar, sackle, swivel dan clamp	3	SET	0.088%	1	SET	0.029%	0.029%	100.000%	0.029%	100.000%	0.029%	100.000%
	24	- Rantai jangkar 7 mm grade K2	225	METER	0.164%	75	METER	0.055%	0.055%	100.000%	0.055%	100.000%	0.055%	100.000%
	25	- Tali tambat (nylon rope) dia 1, 2 pcs @ L 50 meter	300	METER	0.055%	100	METER	0.018%	0.018%	100.000%	0.018%	100.000%	0.018%	100.000%
	26	- Tali buangan (nylon rope) 5/8, L. 50 meter	150	METER	0.025%	50	METER	0.008%	0.008%	100.000%	0.008%	100.000%	0.008%	100.000%
	27	- Bolder H type	12	PCS	0.153%	4	PCS	0.051%	0.051%	100.000%	0.051%	100.000%	0.051%	100.000%
	28	- Bow roller	3	BH	0.044%	1	BH	0.015%	0.015%	100.000%	0.015%	100.000%	0.015%	100.000%
	29	- Bow fairlead	6	BH	0.066%	2	BH	0.022%	0.022%	100.000%	0.022%	100.000%	0.022%	100.000%
e		Pemadam Kebakaran												
	30	- Botol pemadam foam 10 liter	9	BH	0.059%	3	BH	0.020%	0.020%	100.000%	0.020%	100.000%	0.020%	100.000%
	31	- Botol pemadam bubuk 6 kg (A,B,C TYPE)	6	BH	0.028%	2	BH	0.009%	0.009%	100.000%	0.009%	100.000%	0.009%	100.000%
	32	- Botol pemadam CO2 5 kg	3	BH	0.024%	1	BH	0.008%	0.008%	100.000%	0.008%	100.000%	0.008%	100.000%
	33	- Detektor panas dan sistem alarm	3	LOT	0.082%	1	LOT	0.027%	0.027%	100.000%	0.027%	100.000%	0.027%	100.000%
	34	- Kotak + selang kebakaran & nozzle	6	SET	0.126%	2	SET	0.042%	0.042%	100.000%	0.042%	100.000%	0.042%	100.000%
	35	- Kapak	3	BH	0.005%	1	BH	0.002%	0.002%	100.000%	0.002%	100.000%	0.002%	100.000%
	36	- Baju tahan api dan perlengkapannya, termasuk breathing app	3	SET	0.137%	1	SET	0.046%	0.046%	100.000%	0.046%	100.000%	0.046%	100.000%
	37	- Emergency escape breathing devices (EEBD)	3	SET	0.077%	1	SET	0.026%	0.026%	100.000%	0.026%	100.000%	0.026%	100.000%
f		Perlengkapan Keselamatan (standard SOLAS)												
	38	- Life jacket crew dilengkapi lampu battery	21	BH	0.054%	7	BH	0.018%	0.018%	100.000%	0.018%	100.000%	0.018%	100.000%
	39	- Life jacket penyintas (survivor)	18	BH	0.036%	6	BH	0.012%	0.012%	100.000%	0.012%	100.000%	0.012%	100.000%
	40	- Life buoy + tali	6	BH	0.020%	2	BH	0.007%	0.007%	100.000%	0.007%	100.000%	0.007%	100.000%
	41	- Life raft 10 person	3	SET	0.252%	1	SET	0.084%	0.084%	100.000%	0.084%	100.000%	0.084%	100.000%
	42	- Kotak P3K	3	SET	0.005%	1	SET	0.002%	0.002%	100.000%	0.002%	100.000%	0.002%	100.000%
	43	- Line throwing 50 meter	3	SET	0.027%	1	SET	0.009%	0.009%	100.000%	0.009%	100.000%	0.009%	100.000%
	44	- Red hand flare	18	BUAH	0.030%	6	BUAH	0.010%	0.010%	100.000%	0.010%	100.000%	0.010%	100.000%
	45	- Parachute signal	15	BUAH	0.025%	5	BUAH	0.008%	0.008%	100.000%	0.008%	100.000%	0.008%	100.000%
	46	- Smoke signal	15	BUAH	0.025%	5	BUAH	0.008%	0.008%	100.000%	0.008%	100.000%	0.008%	100.000%
	47	- Ganco + gagang 3 meter	6	BUAH	0.009%	2	BUAH	0.003%	0.003%	100.000%	0.003%	100.000%	0.003%	100.000%
g		Crew Room												
	48	- Interior dinding (lining)	15	M2	0.082%	5	M2	0.027%	0.027%	100.000%	0.027%	100.000%	0.027%	100.000%
	49	- Interior atap (ceiling)	15	M2	0.096%	5	M2	0.032%	0.032%	100.000%	0.032%	100.000%	0.032%	100.000%
	50	- Lantai (floor/deck covering)	15	M2	0.055%	5	M2	0.018%	0.018%	100.000%	0.018%	100.000%	0.018%	100.000%
	51	- Tempat tidur lengkap dengan perlengkapan tidur	6	SET	0.110%	2	SET	0.037%	0.037%	100.000%	0.037%	100.000%	0.037%	100.000%
	52	- Lemari pakaian, rak hanger + kait	3	SET	0.027%	1	SET	0.009%	0.009%	100.000%	0.009%	100.000%	0.009%	100.000%
	53	- Cermin	3	BUAH	0.004%	1	BUAH	0.001%	0.001%	100.000%	0.001%	100.000%	0.001%	100.000%
	54	- Kait (cantolan) baju/mantel	12	BUAH	0.009%	4	BUAH	0.003%	0.003%	100.000%	0.003%	100.000%	0.003%	100.000%
h		Lavatory												

PENOMORAN	JENIS BARANG / JASA		BOBOT 3 KAPAL			BOBOT 1 KAPAL			UNIT KAPAL 1		UNIT KAPAL 2		UNIT KAPAL 3	
			VOLUME	SATUAN	BOBOT	VOLUME	SATUAN	BOBOT	BOBOT	PROGRES	BOBOT	PROGRES	BOBOT	PROGRES
	55	- Interior dinding (deck-to-deck)	12	M2	0.066%	4	M2	0.022%	0.022%	100.000%	0.022%	100.000%	0.022%	100.000%
	56	- Interior atap (ceiling)	6	M2	0.038%	2	M2	0.013%	0.013%	100.000%	0.013%	100.000%	0.013%	100.000%
	57	- Lantai dilapisi deck composite + keramik	6	M2	0.033%	2	M2	0.011%	0.011%	100.000%	0.011%	100.000%	0.011%	100.000%
	58	- Closet duduk lengkap dengan selang bilas	3	SET	0.038%	1	SET	0.013%	0.013%	100.000%	0.013%	100.000%	0.013%	100.000%
	59	- Shower	3	SET	0.004%	1	SET	0.001%	0.001%	100.000%	0.001%	100.000%	0.001%	100.000%
	60	- Keran	3	SET	0.005%	1	SET	0.002%	0.002%	100.000%	0.002%	100.000%	0.002%	100.000%
	61	- Wastafel + keran dan cermin	3	SET	0.022%	1	SET	0.007%	0.007%	100.000%	0.007%	100.000%	0.007%	100.000%
	62	- Hand grab rail	3	SET	0.022%	1	SET	0.007%	0.007%	100.000%	0.007%	100.000%	0.007%	100.000%
	63	- Gantungan handuk, gantungan baju, tempat sabun	3	LOT	0.003%	1	LOT	0.001%	0.001%	100.000%	0.001%	100.000%	0.001%	100.000%
	64	- Drain / scupper	3	SET	0.003%	1	SET	0.001%	0.001%	100.000%	0.001%	100.000%	0.001%	100.000%
i		STORE												
	65	- Rak kerja dan penyimpanan alat kerja	3	BUAH	0.038%	1	BUAH	0.013%	0.013%	100.000%	0.013%	100.000%	0.013%	100.000%
j		WHEEL HOUSE												
	66	- Interior dinding (lining)	54	M2	0.296%	18	M2	0.099%	0.099%	100.000%	0.099%	100.000%	0.099%	100.000%
	67	- Interior atap (ceilling)	42	M2	0.269%	14	M2	0.090%	0.090%	100.000%	0.090%	100.000%	0.090%	100.000%
	68	- Lantai (floor/deck covering)	54	M2	0.197%	18	M2	0.066%	0.066%	100.000%	0.066%	100.000%	0.066%	100.000%
	69	- Pilot chair	3	BUAH	0.132%	1	BUAH	0.044%	0.044%	100.000%	0.044%	100.000%	0.044%	100.000%
	70	- Kursi reclining seat	3	BUAH	0.049%	1	BUAH	0.016%	0.016%	100.000%	0.016%	100.000%	0.016%	100.000%
	71	- Dash board (rumah panel -panel)	3	SET	0.164%	1	SET	0.055%	0.055%	100.000%	0.055%	100.000%	0.055%	100.000%
k		SALOON												
	72	- Sofa	18	SET	0.082%	6	SET	0.027%	0.027%	100.000%	0.027%	100.000%	0.027%	100.000%
	73	- Meja rak	3	SET	0.027%	1	SET	0.009%	0.009%	100.000%	0.009%	100.000%	0.009%	100.000%
	74	- Tv LED 32	3	SET	0.049%	1	SET	0.016%	0.016%	100.000%	0.016%	100.000%	0.016%	100.000%
l		PERLENGKAPAN												
	75	- Toilet modul	3	SET	0.055%	1	SET	0.018%	0.018%	100.000%	0.018%	100.000%	0.018%	100.000%
	76	- Kitchen set	3	SET	0.066%	1	SET	0.022%	0.022%	100.000%	0.022%	100.000%	0.022%	100.000%
	77	- Kanopi + canvas rooftop	3	SET	0.153%	1	SET	0.051%	0.051%	100.000%	0.051%	100.000%	0.051%	100.000%
	78	- CCTV	3	SET	0.066%	1	SET	0.022%	0.022%	100.000%	0.022%	100.000%	0.022%	100.000%
	79	- Intercom	3	SET	0.071%	1	SET	0.024%	0.024%	100.000%	0.024%	100.000%	0.024%	100.000%
	80	- Kamera digital pocket	3	SET	0.055%	1	SET	0.018%	0.018%	100.000%	0.018%	100.000%	0.018%	100.000%
	81	- Wiper	6	SET	0.077%	2	SET	0.026%	0.026%	100.000%	0.026%	100.000%	0.026%	100.000%
	82	- Special toolkit engine	3	SET	0.033%	1	SET	0.011%	0.011%	100.000%	0.011%	100.000%	0.011%	100.000%
	83	- Sapu lewa	12	BH	0.004%	4	BH	0.001%	0.001%	100.000%	0.001%	100.000%	0.001%	100.000%
	84	- Oil can	6	BH	0.004%	2	BH	0.001%	0.001%	100.000%	0.001%	100.000%	0.001%	100.000%
	85	- Peta operasional kapal	3	SET	0.033%	1	SET	0.011%	0.011%	100.000%	0.011%	100.000%	0.011%	100.000%
	86	- Kunci fuel filter	3	SET	0.005%	1	SET	0.002%	0.002%	100.000%	0.002%	100.000%	0.002%	100.000%
	87	- Buku manual mesin dan peralatan	3	SET	0.003%	1	SET	0.001%	0.001%	100.000%	0.001%	100.000%	0.001%	100.000%
	88	- Majun	15	KG	0.001%	5	KG	0.000%	0.000%	100.000%	0.000%	100.000%	0.000%	100.000%
	89	- Kuas 4	9	BUAH	0.000%	3	BUAH	0.000%	0.000%	100.000%	0.000%	100.000%	0.000%	100.000%
	90	- Kuas 3	9	BUAH	0.000%	3	BUAH	0.000%	0.000%	100.000%	0.000%	100.000%	0.000%	100.000%
	91	- Kuas 2	9	BUAH	0.000%	3	BUAH	0.000%	0.000%	100.000%	0.000%	100.000%	0.000%	100.000%

PENOMORAN	JENIS BARANG / JASA		BOBOT 3 KAPAL			BOBOT 1 KAPAL			UNIT KAPAL 1		UNIT KAPAL 2		UNIT KAPAL 3	
			VOLUME	SATUAN	BOBOT	VOLUME	SATUAN	BOBOT	BOBOT	PROGRES	BOBOT	PROGRES	BOBOT	PROGRES
	92	- Jerigen plastik kapasitas 20 Liter	12	BUAH	0.003%	4	BUAH	0.001%	0.001%	100.000%	0.001%	100.000%	0.001%	100.000%
	93	- Selang plastik 1	45	Meter	0.002%	15	Meter	0.001%	0.001%	100.000%	0.001%	100.000%	0.001%	100.000%
	94	- Sabun deterjen	30	KG	0.002%	10	KG	0.001%	0.001%	100.000%	0.001%	100.000%	0.001%	100.000%
	95	- Ember plastic kapasitas 20 Lietr	12	BUAH	0.002%	4	BUAH	0.001%	0.001%	100.000%	0.001%	100.000%	0.001%	100.000%
	96	- Vim pembersih	12	BUAH	0.001%	4	BUAH	0.000%	0.000%	100.000%	0.000%	100.000%	0.000%	100.000%
	97	- Lampu senter watertight, 2 battery	6	BUAH	0.010%	2	BUAH	0.003%	0.003%	100.000%	0.003%	100.000%	0.003%	100.000%
	98	- Minyak pelumas	36	LITER	0.011%	12	LITER	0.004%	0.004%	100.000%	0.004%	100.000%	0.004%	100.000%
	99	- Sparepart mesin induk (filter bahan bakar dan pelumas, impeller)	3	SET	0.121%	1	SET	0.040%	0.040%	100.000%	0.040%	100.000%	0.040%	100.000%
	100	- Filter separator furifier	3	SET	0.038%	1	SET	0.013%	0.013%	100.000%	0.013%	100.000%	0.013%	100.000%
TOTAL					25.766%			8.589%	8.589%		8.589%		8.589%	
III		INSTALASI MESIN												
a		Mesin Induk & Perlengkapan												
	101	- Mesin induk 2 x min. 500 HP termasuk remote control, separator/purifier dan gearbox	6	UNIT	34.832%	2	UNIT	11.611%	11.611%	100.000%	11.611%	100.000%	11.611%	100.0%
		UNTUK SETIAP ENGINE												
		Oil filter kit (2) (buah)												
		Fuel filter insert (2) (buah)												
		Fuel filter (2) (buah)												
		Anode (2) (buah)												
		Impeler kit sea water pump (2) termasuk seal												
	102	- Shafting arrang. (stern tube, as & propeller)	6	SET	5.480%	2	SET	1.827%	1.827%	100.000%	1.827%	100.000%	1.827%	100.000%
	103	- Fuel-water separator	3	SET	0.027%	1	SET	0.009%	0.009%	100.000%	0.009%	100.000%	0.009%	100.000%
	104	- Oily water separator	3	SET	0.504%	1	SET	0.168%	0.168%	100.000%	0.168%	100.000%	0.168%	100.000%
	105	- Hydraulic steering gear	3	SET	0.932%	1	SET	0.311%	0.311%	100.000%	0.311%	100.000%	0.311%	100.000%
	106	- Rudder blade	3	SET	0.899%	1	SET	0.300%	0.300%	100.000%	0.300%	100.000%	0.300%	100.000%
b		Motor Bantu & Pompa-pompa												
	107	- Generator set 2 x min. 15 KW	6	UNIT	9.996%	2	UNIT	3.332%	3.332%	100.000%	3.332%	100.000%	3.332%	100.000%
		- Pompa-pompa												
	108	Pompa air tawar	3	UNIT	0.088%	1	UNIT	0.029%	0.029%	100.000%	0.029%	100.000%	0.029%	100.000%
	109	Pompa BBM	3	UNIT	0.055%	1	UNIT	0.018%	0.018%	100.000%	0.018%	100.000%	0.018%	100.000%
	110	Pompa tangan	12	UNIT	0.088%	4	UNIT	0.029%	0.029%	100.000%	0.029%	100.000%	0.029%	100.000%
	111	Pompa GS	3	UNIT	0.274%	1	UNIT	0.091%	0.091%	100.000%	0.091%	100.000%	0.091%	100.000%
	112	Sewage pump	3	UNIT	0.186%	1	UNIT	0.062%	0.062%	100.000%	0.062%	100.000%	0.062%	100.000%
	113	Pompa pemadam kebakaran portable	3	UNIT	0.049%	1	UNIT	0.016%	0.016%	100.000%	0.016%	100.000%	0.016%	100.000%
	114	Pompa celup	3	UNIT	0.038%	1	UNIT	0.013%	0.013%	100.000%	0.013%	100.000%	0.013%	100.000%
		- Tangki-tangki lepas												
	115	- Tangki harian BBM	6	BUAH	0.110%	2	BUAH	0.037%	0.037%	100.000%	0.037%	100.000%	0.037%	100.000%
	116	- Tangki bahan bakar	6	BUAH	0.110%	2	BUAH	0.037%	0.037%	100.000%	0.037%	100.000%	0.037%	100.000%
	117	- Sewage tank	3	BUAH	0.055%	1	BUAH	0.018%	0.018%	100.000%	0.018%	100.000%	0.018%	100.000%
	118	- Tangki air tawar	3	BUAH	0.055%	1	BUAH	0.018%	0.018%	100.000%	0.018%	100.000%	0.018%	100.000%
	119	- Bilge tank	3	BUAH	0.077%	1	BUAH	0.026%	0.026%	100.000%	0.026%	100.000%	0.026%	100.000%

PENOMORAN	JENIS BARANG / JASA		BOBOT 3 KAPAL			BOBOT 1 KAPAL			UNIT KAPAL 1		UNIT KAPAL 2		UNIT KAPAL 3	
			VOLUME	SATUAN	BOBOT	VOLUME	SATUAN	BOBOT	BOBOT	PROGRES	BOBOT	PROGRES	BOBOT	PROGRES
		- Heading sensor												
	148	- Magnetic compass	3	BUAH	0.077%	1	BUAH	0.026%	0.026%	100.000%	0.026%	100.000%	0.026%	100.000%
	149	- Electric horn	3	SET	0.038%	1	SET	0.013%	0.013%	100.000%	0.013%	100.000%	0.013%	100.000%
	150	- Clear view screen, diameter 250 mm	3	SET	0.055%	1	SET	0.018%	0.018%	100.000%	0.018%	100.000%	0.018%	100.000%
	151	- Teropong jauh (Binocular 20X)	3	BH	0.027%	1	BH	0.009%	0.009%	100.000%	0.009%	100.000%	0.009%	100.000%
	152	- Bola tanda berlabuh	3	BH	0.005%	1	BH	0.002%	0.002%	100.000%	0.002%	100.000%	0.002%	100.000%
	153	- Hand lead	6	BH	0.009%	2	BH	0.003%	0.003%	100.000%	0.003%	100.000%	0.003%	100.000%
	154	- Clinometer	9	BH	0.049%	3	BH	0.016%	0.016%	100.000%	0.016%	100.000%	0.016%	100.000%
	155	- Marine clock / chronometer	3	SET	0.027%	1	SET	0.009%	0.009%	100.000%	0.009%	100.000%	0.009%	100.000%
	156	- Smoke signal SOS	15	SET	0.025%	5	SET	0.008%	0.008%	100.000%	0.008%	100.000%	0.008%	100.000%
	157	- Public addressor + speaker (audio)	3	LOT	0.044%	1	LOT	0.015%	0.015%	100.000%	0.015%	100.000%	0.015%	100.000%
	158	- EPIRB	3	LOT	0.164%	1	LOT	0.055%	0.055%	100.000%	0.055%	100.000%	0.055%	100.000%
	159	- Rudder angle indicator	3	LOT	0.027%	1	LOT	0.009%	0.009%	100.000%	0.009%	100.000%	0.009%	100.000%
	160	- Handy talkie	6	SET	0.055%	2	SET	0.018%	0.018%	100.000%	0.018%	100.000%	0.018%	100.000%
	161	- Lampu patroli	3	SET	0.071%	1	SET	0.024%	0.024%	100.000%	0.024%	100.000%	0.024%	100.000%
	162	- Bendera semboyan internasional	3	BUAH	0.011%	1	BUAH	0.004%	0.004%	100.000%	0.004%	100.000%	0.004%	100.000%
	163	- Bendera merah putih	6	BUAH	0.003%	2	BUAH	0.001%	0.001%	100.000%	0.001%	100.000%	0.001%	100.000%
	164	- Lampu sorot 500 Watt	3	BUAH	0.014%	1	BUAH	0.005%	0.005%	100.000%	0.005%	100.000%	0.005%	100.000%
	165	- Lampu morse	3	BUAH	0.014%	1	BUAH	0.005%	0.005%	100.000%	0.005%	100.000%	0.005%	100.000%
	166	- Loudhailler	6	BUAH	0.020%	2	BUAH	0.007%	0.007%	100.000%	0.007%	100.000%	0.007%	100.000%
TOTAL					2.786%			0.929%	0.929%		0.929%		0.929%	
VI		PENANGGULANGAN SAR												
	167	- Kantong mayat	6	SET	0.011%	2	SET	0.004%	0.004%	100.000%	0.004%	100.000%	0.004%	100.000%
	168	- Jaring mayat	3	SET	0.010%	1	SET	0.003%	0.003%	100.000%	0.003%	100.000%	0.003%	100.000%
	169	- Peralatan selam	6	SET	0.417%	2	SET	0.139%	0.139%	100.000%	0.139%	100.000%	0.139%	100.000%
	170	- Kompresor selam	3	BUAH	0.274%	1	BUAH	0.091%	0.091%	100.000%	0.091%	100.000%	0.091%	100.000%
TOTAL					0.711%			0.237%	0.237%		0.237%		0.237%	
B		JASA PEMBANGUNAN / PEMBUATAN KAPAL												
I		GALANGAN PEMBANGUN												
a		Persiapan, gambar dan konstruksi												
	171	Pekerjaan pengelasan & persiapan building berth	3	LOT	0.142%	1	LOT	0.047%	0.047%	100.000%	0.047%	100.000%	0.047%	100.000%
	172	Pembuatan gambar kerja & final drawing	3	SET	0.219%	1	SET	0.073%	0.073%	100.000%	0.073%	100.000%	0.073%	100.000%
	173	Konstruksi alumunium	3	LOT	4.932%	1	LOT	1.644%	1.644%	99.972%	1.644%	100.000%	1.644%	100.000%
	174	Marking	3	Shipset	0.077%	1	Shipset	0.026%	0.026%	100.000%	0.026%	100.000%	0.026%	100.000%
	175	Bending	3	Shipset	0.055%	1	Shipset	0.018%	0.018%	100.000%	0.018%	100.000%	0.018%	100.000%
	176	Cutting	3	Shipset	0.219%	1	Shipset	0.073%	0.073%	100.000%	0.073%	100.000%	0.073%	100.000%
	177	Peluncuran	3	LOT	0.164%	1	LOT	0.055%	0.055%	100.000%	0.055%	100.000%	0.055%	100.000%
b		Perlengkapan dan interior												
	178	Perlengkapan lambung dan geladak	3	LOT	0.110%	1	LOT	0.037%	0.037%	100.000%	0.037%	100.000%	0.037%	100.000%
	179	Interior ruangan-ruangan	3	LOT	0.384%	1	LOT	0.128%	0.128%	100.000%	0.128%	100.000%	0.128%	100.000%
	180	Pengecatan dan perlindungan karat	3	LOT	0.301%	1	LOT	0.100%	0.100%	100.000%	0.100%	100.000%	0.100%	100.000%

PENOMORAN		JENIS BARANG / JASA	BOBOT 3 KAPAL			BOBOT 1 KAPAL			UNIT KAPAL 1		UNIT KAPAL 2		UNIT KAPAL 3	
			VOLUME	SATUAN	BOBOT	VOLUME	SATUAN	BOBOT	BOBOT	PROGRES	BOBOT	PROGRES	BOBOT	PROGRES
c		Permesinan dan perlengkapannya												
	181	Instalasi mesin-mesin geladak	3	LOT	0.137%	1	LOT	0.046%	0.046%	100.000%	0.046%	100.000%	0.046%	100.000%
	182	Instalasi mesin induk	3	LOT	0.493%	1	LOT	0.164%	0.164%	100.000%	0.164%	100.000%	0.164%	100.000%
	183	Instalasi mesin bantu	3	LOT	0.164%	1	LOT	0.055%	0.055%	100.000%	0.055%	100.000%	0.055%	100.000%
	184	Instalasi perlengkapan dalam kamar mesin	3	LOT	0.274%	1	LOT	0.091%	0.091%	100.000%	0.091%	100.000%	0.091%	100.000%
	185	Instalasi perpipaan	3	LOT	0.351%	1	LOT	0.117%	0.117%	100.000%	0.117%	100.000%	0.117%	100.000%
d		Listrik dan perlengkapannya												
	186	Instalasi kabel-kabel listrik & fitting	3	LOT	0.241%	1	LOT	0.080%	0.080%	100.000%	0.080%	100.000%	0.080%	100.000%
	187	Instalasi panel-panel	3	LOT	0.055%	1	LOT	0.018%	0.018%	100.000%	0.018%	100.000%	0.018%	100.000%
e		Pemeriksaan dan pengujian												
	188	Pemeriksaan dan pengujian konstruksi	3	LOT	0.142%	1	LOT	0.047%	0.047%	100.000%	0.047%	100.000%	0.047%	100.000%
	189	Pemeriksaan dan pengujian permesinan	3	LOT	0.110%	1	LOT	0.037%	0.037%	100.000%	0.037%	100.000%	0.037%	100.000%
	190	Pemeriksaan dan pengujian kelistrikan	3	LOT	0.055%	1	LOT	0.018%	0.018%	100.000%	0.018%	100.000%	0.018%	100.000%
	191	Pemeriksaan dan pengujian pompa & valve	3	LOT	0.088%	1	LOT	0.029%	0.029%	100.000%	0.029%	100.000%	0.029%	100.000%
	192	Dock trial dan sea trial	3	LOT	0.241%	1	LOT	0.080%	0.080%	100.000%	0.080%	100.000%	0.080%	100.000%
TOTAL					8.955%			2.985%	2.985%		2.985%		2.985%	
C	193	BIAYA PENGIRIMAN (UPP Wanci, UPP SATUI DAN UPP BULUKUMBA)	1	LOT	1.918%	0.3333333	LOT	0.639%	0.639%	100.000%	0.639%	100.000%	0.639%	100.000%
TOTAL					100.000%			33.333%	33.333%		33.333%		33.333%	
TOTAL PENYELESAIAN					100.00%									

Dibuat,
KONSULTAN PENGAWAS
PT. SUWONDO SANDIKA



HENDRI SUWIGNYO, ST
Koordinator

Disetujui,
GALANGAN PEMBANGUN
PT. BEN SANTOSA



TRI FEBRI SETIONO
Pimpinan Proyek

(ADDENDUM WAKTU KONTRAK)

KURVA - S

PERSENTASE AKUMULASI BOBOT HASIL PEKERJAAN MINGGU KE-39

KAPAL 1, 2, & 3

(PERIODE 12 ~ 15 SEPTEMBER 2023)

PEMBANGUNAN 3 (TIGA) UNIT KAPAL PATROLI KELAS IV ALUMINIUM

DIREKTORAT KPLP – SATKER PENINGKATAN FUNGSI KPLP

TAHUN ANGGARAN 2022 - 2023

