

Inspection and Test Plan (ITP)

Project : Harbour Tug 2 x 2200

OWNER: Jasa Armada Indonesia (JAI)

BUILDER: PT. Citra Shipyard

DEFINITIONS

- 1. Hold Point (H)- An activity identified in the ITP beyond which further work shall not proceed without the attendance of the nominated inspector. In case of a "Hold Point" of the CLASS/OWNER, the Contraktor (PT. Citra Shipyard) shall not proceed with the work without the CLASS/OWNER or its representative being present, except where the CLASS/OWNER has notified the contractor in writing that it may proceed.
- 1. Hold Point (H) Aktivitas yang diidentifikasi dalam ITP tidak akan dilanjutkan tanpa kehadiran inspector Dalam item "Hold Point" dari CLASS / PEMILIK. Kontraktor (PT. Citra Shipyard) tidak akan melanjutkan pekerjaan tanpa KLAS / PEMILIK atau perwakilannya, kecuali jika Klas/Owner telah memberitahukan ke kotraktor (PT. Citra Shipyard) secara tertulis (Email, Telepon) bahwa hal itu dapat dilanjutkan.
- 2. Witness Point (W) An activity identified in the ITP required to be witness by nominated by inspector. in the case of a "witness point" of the CLASS, OWNER, the contractor may proceed with the inspection and/or testing activity if the company (CLASS/OWNER) or its representative is not present. After being proceed with the required writen notice to CLASS/OWNER.
- 2. Witness (W) Aktifitas dalam ITP diwajibkan untuk disaksikan oleh Klas / Owner inspektur.
 jika dalam item " Witness Point" dari Klas, Owner, tidak dapat menyaksikan /melakukan pemeriksaan
 atau kegiatan pengujian maka kontraktor (PT. Citra Shipyard) melanjutkan pekerjaan tersebut dan hasilya
 akan dilaporkan ke Klas/Owner untuk disetujui.
- 3. Review Point(R) The process of verifying by examination of documentary evidance that nominated inspection and/or tests have been satisfactorily conducted. This evidance must be offered to Class/Owner for review as soon as practicable. This will not hold any activities.
 - 3. Review Point (R) Proses verifikasi dengan pemeriksaan bukti dokumen yang telah dilakukan Inspeksi/ dan / atau tes dilakukan secara memuaskan. Document/report tersebut harus segera disampaikan ke Klas, Owner untuk diperiksa sesegera mungkin. Item Review Ini tidak akan menunda/menghalangi kegiatan apapun.
- Monitoring Point (M) Random check by direct or indirect inspection of the conformance of the item or activity without any invitation from cotraktor.
- 4. Monitoring Point (M) Pemeriksaan atau pengawasan yang dilakukan secara randon oleh Klas atau Owner tanpa ada undangan dari Kontraktor (PT. Citra Shipyard)

Prepare by,	Review by,	Review by,	Approved By
Citra Shipyard	Citra shipyard	Class	S TOWner CEPS
DEPARTMENT	A SHID OF THE PROPERTY OF THE	Museum 18	MNO-001
Poni Saputra	Dwi Susanto	WAN K SPINGOTINGS	MUHANIMAND HUNSHAN
Date: 15 /10 - 18	Date: 15 /10 /2018	Date: 17 - 10 - 2012	Date: 29. W. 2018

CITRA SHIPYARD SHIP BUILDING & REPAIR	: TB 101 / 102	: Harbour Tug	: JAI
	Project No	Project Name	OWNER

INSPECTION & TEST PLAN (ITP)

: TB 101 / 102 / 103 / 105 : Harbour Tug 2X2200 HP : JAI

CS-ITP/JAI/001	BKI	15 Octobrer 2018	1
DOC. NO	CLASS	DATE	REV.

	ITEM	PROJECT PERIODE AND ACTIVITY	REFERENCE DOCUMENT	CONTROL DOCUMENT	S	CLASS	OWNER	REMARK
	PREFAB	PREFABRICATION AND PROCEDURES						
	1	Construction drawings	Design drawing	Approved drawing	R	æ	R	
	2	WPS and Procedure Qualification Record	BKI Rules	PQR & WPS	I	æ	**	
	3	Welder & Welder operator	Approved WPS	WQT. Welder List	Ξ	W/R	K.#	
	4	Non destructive test plan	BKI Rules & IACS	NDT Report	I	W/R	~	
	5	Receiving materials & mechinery	Vendor document	Materials cert	æ	M/R	K H/w	
⋖	9	Dock Trial Procedure	IACS, Vendor Test, Owner Spec,	Dock trial and sea trial	Н	æ	R	
	7	Sea Trial Procedure	BKi rules	procedure	I	æ	R	
	00	Inclining Procedure	Drw Approval, Inclining Test Procedure	Inclining test Procedure	I	œ	œ	
	6	Commissioning Procedure	Drw Approval, Commisioning Test Procedure	Commissioning Test Procedure	I	œ	œ	
	HULL FA	HULL FABRICATION AND INSPECTION					7	
	1	Plate tracebility and verifications	Plate tracing	Materials cert	т	R/M	R/M	
	2	Fit Up Inspection (Pannel, Block)	Class Rules & IACS	Inspection Report	W	M/W	M/W/H	
	m	Visual Inspection and Scantling check	Latest rev. drawing	Inspection Report	I	×	T/X	
٥	4	Welding Inspection	Approved drawing, BKI Rules	Inspection Report	I	W	TA	
Δ	5	Back Gauging Inspection	Approved drawing, BKI Rules	Inspection Report	W	Σ	N N	
and the Administra	9	Final inspection in all tank & compartment	Approved drawing, BKI Rules	Inspection Report	Ŧ	H/W	H/W	
	7	Carpenter Insulation application check		Inspection report	W	M/R	W M/R H	
- Land Area	00	Carpenter Paneling installation check	Approved drawing, Owner spec	Inspection report	W	M/R	WM/RH	
	6	Draft mark, Plimsoll mark check and IWS	Approved drawing	Inspection Report	I	M/H	Ŧ	
	HULL TESTING	STING		despitations conserved und philadeletrical conserved by and a grant conserved the second conserved to the second conference of the second conferen				
	₽	Air test for all tank (Tank Test/Tightness Test Plan)	BKI Rules & IACS	Inspection Report	I	M/H	H/M	
THE REAL PROPERTY.	2	Radiography Testing	BKI Rules & IACS	RT Report	œ	W	R. W.	
	3	UT Examination seating ME, Z Peller	BKI Rules & IACS	UT Report	W/R	W/R	KW/H	
O	4	Vacuum Test/Hose Test Welding i.w.o Eng.Room	BKI Rules & IACS	Inspection report	I	H	TA	
	5	Hose test/Chalk test water tight door & Hatch	BKI Rules & IACS	Inspection Report	W	W	W	
	9	Hose test on access holes & windows	BKI Rules & IACS	Inspection Report	W	W	3	
	7	Ventilation ducting installation	Approved drawing	Inspection report	W	W	W/W	
	00	Sea Chest Tightness Plan	Approved drawing	Inspection report	N	3	W/W	
	PIPING	PIPING FABRICATION AND INSTALATION						
	-	Material/equipment tracebility and verifications (Pump, Pipe, etc	BKI Rules & IACS	Mill certificate	W/R	M/R	M/R	
	2	Fit Up Inspection	Class Rules & IACS	Inspection Report	N	Σ	I/NX	
Q	3	Final visual welding check	BKI Rules & IACS	Inspection Report	I	3	H/M	
	4	Pipe line check	Latest rev. drawing	Inspection Report	I	3	WH	
	2	Hydro test (Pressure Test)	BKI Rules & IACS	Inspection Report	T	×	H/W	

± 3 WAN W/H W/RH W/RH

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Inspection report Inspection report Inspection report Inspection report Inspection report Inspection report Inspection report

W/R W/R

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W/R 3 3

Engine Maker/Class Rule Engine Maker/Class Rule

Generator Safety Device Test Generator Load Bank Test and Short Circuit

Tightening of foundation and bolt Main Engine safety device test

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Endurance test

Engine Maker Dock trial protocol Vendor procedure

Sea trial protocol

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		SHIPYARD IN SHIPKUNAS RENR	INSPECTION & TEST PLAN (ITP)	LAN (ITP)					
Project No Project Na OWNER	Project No Project Name OWNER	: TB 101 / 102 / 103 / 105 : Harbour Tug 2X2200 HP : JAI			DOC. NO CLASS DATE BEV		: CS-ITP/ JAI/001 : BKI : 15 Octobrer 2018		
ITEM		PROJECT PERIODE AND ACTIVITY	DECEDENCE NOCHAGENIT			-			
	9	Flishing for CO O and Hidabile 6	NETERENCE DOCUMENT	CONTROL DOCUMENT	೮	CLASS	OWNER	REMARK	
	PIPING S	PIPING SYSTEM FUNCTION TEST (COMMISIONING)	8KI Rules & IACS	Inspection Report	3	W/M	M/W		
	1	Fuel oil system	· · · · · · · · · · · · · · · · · · ·						
	2	Lubrication oil system	Approved Drawing	Inspection Report	I	3	W	AL COM	MISLORGING
	3	Sea Water cooling system	Approved Drawing	Inspection Report	I	>	3	MUCCON	REC CHAIL IN
L	4	Fresh Water, Sea Water system	Approved Drawing	Inspection Report	I	*	3	SUBMITTE	SUBMITTED TO STATE WE
IJ	5	Fire Fighting system	Approved Drawing	Inspection Report	I	×	3	CLASE	E V V
	2	Bildo cystem	Approved Drawing	Inspection Report	I	*	3		rat (Leview.
		Ballact cyclam	Approved Drawing	Inspection Report	I	3	3		
	O	Coll Canitato Sections	Approved Drawing	Inspection Report	I	3	3		
	0 0	Drain cillian Alacent	Approved Drawing	Inspection Report	I	3	13		
	D CLOSE	Deans, runing, Air vent system	Approved Drawing	Inspection Report	: I	14/	3		
	ELECIR	ICAL				20	1		
	- 0	Material/Equipment tracebility and verifications (Cable, MSB, ESB etc)	BKI Rules & IACS	Inspection Report	W/R	M/P	MID MIN		
L	7	Lable Installation & Penetration check	Approved Drawing	Inspection Report	7	14/			
L	70	Lighting system test	Approved Drawing	Inspection Report		3	3		
	4	Navigation light system test	Approved Drawing	Incoportion Deport		3	3		
	2	Megger test	ACS	Incredition Description	E 3	3	3		
	9	MSB Certification	Approved Designation	nispection report	Ξ:	W/K			
	EQUIPMENT	ENT	Sillweid Davoiddy	Inspection Report	T	I	SKR C	そのとという	いいけんられるいとれている
	-	Material/Equipment tracebility and verifications relating to MARPOI	RKI Rulas 9, IACS		1000		ŀ	E WEE	FACTURE
	2	Radio system operation test	Sea trial protocol	Test Penert	Y/\X	M/K	MAR W	+	
	3	Intercom operation test	Dock trial protocol	Test Report	NA NA	A 3	3		
O	4	Public announcers operation test	Dock trial protocol	Tact Rancet		A	3		
	2	Compass adjustment test	Dock trial protocol	Test Report	**	VA .	^		
	9	Navigation equipment operation test	Sea trial protocol	Test Report	A M	A A	W		
		Anchor and chain verification	Vendor document	Mill certificate	a	14//0	20,00		
	00	Anchor winch operation test	Sea trial protocol	Sea trial report	W	W	W (A)		
	NA A CLIMIC	ALL Equipment relating SR,SE, MARPOL are to be tested	Sea trial protocol	Sea trial report	M	W	NAT IN THE		
	MACHINERY	E.K.Y				^^	IM / AA		
	-	Equipment tracebility and verifications	BKI Rules & IACS	Inspection Report	A/W	O/ VV	NA/D IN		
	7	Shart, Main Engine and Gear box alignment prior and after	Dock trial protocol	Inspection report	14/	14/10	H M H	+	
	E) .	Chock fast process (By Maker)	Vendor procedure	Inspection report	W	Q/W	N N		
-	7	Tightening of foundation and halt	The formal and the first of the	· · · · · · · · · · · · · · · · · · ·	**	N/VV	~		

Project No : 18 101 / 102 / 103 / 105 Project Name : Harbour Tug 2X2200 HP OWNER : JAI Project No Project Name

INSPECTION & TEST PLAN (ITP)

OWNER

JAI/001	
: CS-ITP/	· BKI
DOC. NO	CLASS

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CLASS		BKI
DATE		15 Octobrer 20
REV.	• •	1

ITEM		PROJECT PERIODE AND ACTIVITY	REFERENCE DOCUMENT	CONTROL DOCUMENT	S	CLASS	OWNER	REMARK
	6	Rudder alignment & clearance	Latest drawing	Inspection report	/\/	0/1/0	W/D	
	10	Hydraulic steering operation test	Sea trial protocol	tropolition of	3	N/VV	N/N	
-	1	Keel Deflection Check	Class Bulgs 8 1AC	Sea tilal leport	3	W/K	W/K #	
7	2	Principal Dimension Check	Class nules & IACS	Inspection Report	=	3	WART	
	PAINTING	-	Class Rules & IACS	Inspection Report	I	3	WAT	
	1	Pre Surface preparation	Paint spec	Dainting report	141	14/		
×	2	Surface preparation	Paint space	Dointing report	A 3	3	3	
4	3	Final inspection of painting	Paint sper	Dointing report	W .	A S	3	
	4	Zinc Anode/Cathodic protection check	latest drawing	Incoection report	AA	N N	M/W	
	5		Paint spec	Painting report	^^	AA AA	3	
	SEA TRIAL	11	7700	Landar Short	^^	M	MKW	
_	=	Speed test	Sea trial procedure	Sea trial report		///	MA/PE	
	2	Maneuvering trial	Sea trial procedure	Sea trial report		14/	200	
	m	Crash Stop Trial, Etc	Sea trial procedure	San triol report		AA	1	
Σ	1	Bollard Pull, Winch Test	Owner required/Spec	Took Report		74	1	
Z	qual	Inclining Test	Inclining test proceeding	The state of the s		20	T N	
	DOCUME	DOCUMENTATION		TICHETTE FEST LEDGIL		3	W/X H	
	1	As build drawing	Consultant designer	Drawing dont	a	C		
	2	Material certificate	Vendor document	Material certificate	8	= 0		
	3	Machinery and equipment certificate	Vendor document	Inventory list	2	< 0		
	4	Inspection report	d L	Inspection report	HAM		0	
0	2	Lightship survey	Inclining agenda	Stability booklet	1	2 0		
	9	Dock trial report	Vendor doc & BKI Rule	Dack trial protocol	- c	ca	E a	
	7	Sea trial report	BKI Rules & IMO	Sea trial Protocol	: a	2 0	20	
	80	Classification certificate	BKI Rules	BKI Certificate		α α	2 0	
	6	Statutory certificate	Port registry	Registration doc	c			
	10	Machinary and quipment manual book	Vendor document	Inventory list	ce	0	2 00	
Le	Legend:	M : Monitoring	W. Witness Point	Powiowod .	A Plott			
		BKI: Biro Klasifikasi Indonesia	A STATE OF THE STA	S Nevicwed	non Po		N/A: Not Applicable	pplicable
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