

सम्मिश्र जांच दल/ Composite Trials Team  
द्वारा नेवी कार्यालय/ c/o Navy Office  
मुख्यालय/ Headquarter  
अन्डमान एवं निकोबार कमान/  
Andaman & Nicobar Command  
पोर्ट ब्लेयर/ Port Blair - 744 102

CTT/300/11/03TECH

05 Jan 23

The Commander - in - Chief  
{for CTO (Marine)/ SSO(Refit)}  
Headquarters  
Andaman & Nicobar Command  
Port Blair – 744 102

**STAFF SEA CHECKS STAGE - I (INS CORADIVH)**

1. Refer to ANCO (Tech) chapter 5 {Art 0508(a)} regarding Post Refit Trials.
2. Updated Staff Sea Checks Stage – I report as on 04 Jan 23 is forwarded herewith as **Enclosure.**

G. Jagannath

(जगन्नाथ गुरुमूर्ति /Jagannath Gurumurthy)  
लेफ्टिनेंट कमांडर / Lieutenant Commander  
प्रभारी अधिकारी/ Officer-in-Charge(AOL)

**Copy to:-**

The Commodore Superintendent  
{for DGM (Refit)}  
Naval Ship Repair Yard  
c/o Navy Office  
Port Blair – 744 102

The Naval Component Commander  
{for SSO(Tech)}  
c/o Navy Office  
Andaman & Nicobar Command  
Port Blair – 744 102

The Commanding Officer  
INS Cora Divh  
c/o Navy Office  
Port Blair-744 102

**SSC-I REPORT- INS CORA DIVH**  
**REPORT BY CTT (Pbr) – AS ON 04 Jan 23**

**Status of Machinery Equipment:-**

Ser.	Machinery/ Equipment	Cold checks completed		Sat/Unsat/ Sub-Optimal	Remarks
		Yes	No		
1.	Stbd Main Engine	√		SAT(WITH OBS)	Cold and Hot SDC from 27-28 Dec 22. Following observed:- (a) GB LO pressure low alarm operated at 0.2 bar instead of 0.3 bar. (b) Not getting clutch in from LOP.
2.	Port Main Engine	√		SAT(WITH OBS)	Cold and Hot SDC on 27-28 Dec 22. Following observed:- (a) GB LO pressure low alarm operated at 0.2 bar instead of 0.3 bar. (b) Push button of ready for operation in LOP Non Ops. (c) Minor fuel leakage observed from fuel cooler. (d) Not getting clutch in from LOP.
3.	Centre Main Engine	√		SAT(WITH OBS)	Cold and Hot SDC on 27-28/12/ 22. Following observed:- (a) GB LO pressure low alarm operated at 0.2 bar instead of 0.3 bar. (b) Visual alarm Non Ops. (c) Low starting air pressure alarm non ops.
4.	Diesel Alternator (Stbd) (80 kW)	√		<b>UNSAT</b>	Hot SDC on 10 Nov 22 and Load trial on 07 Dec 22.Following observed:- (a) Bilge plates not secured. (b) Bilge hygiene not maintained. (c) Instrumentation calibration tallies not in place. (d) Sea water pump suction and discharge pressure gauge not fitted. (e) Sea water pressure switch line not fitted.



Ser.	Machinery/ Equipment	Cold checks completed		Sat/Unsat/ Sub-Optimal	Remarks
		Yes	No		
					<p>(f) Supply and exhaust blower of compartment non-ops.</p> <p>(g) Sea water pump suction and discharge durite and jubilee clip deteriorated/perished.</p> <p>(h) Vacuum indicator not visible clearly.</p> <p>(i) Fuel return line not secured properly.</p> <p>(j) Lub oil pressure gauge near pressure transmitter non-ops.</p> <p>(k) Crank case breather hose not fitted.</p> <p>(l) Hot lagging pending on exhaust compensator.</p> <p>(m) Sea water pump not taking suction without priming.</p> <p>(n) Junction box cover not secured.</p> <p>(p) Exhaust temperature gauge defective.</p> <p>(q) Running hour meter defective.</p> <p>(r) Safety guard not fitted.</p> <p>(s) Attenuation checks across two mounts at 60% load and four mounts at 100% load UNSAT.</p> <p>(t) Engine free end horizontal vibration <b>UNSAT</b>.</p> <p>(u) Over voltage and under voltage trip/ alarm found Unsat.</p> <p>(v) Insulation meter showing erratic readings.</p> <p>(w) Calibration certificate not available for breakers and meters in SWBD.</p> <p>(x) Paralleling trials not offered.</p> <p>(y) Reverse power relay calibration certificate not available.</p>

Ser.	Machinery/ Equipment	Cold checks completed		Sat/Unsat/ Sub-Optimal	Remarks
		Yes	No		
	Diesel Alternator (Port) (80 kW)	√		SAT(WITH OBS)	<p>Load Trials not offered.</p> <p>Cold SDC carried out on 03 Nov 22 and Hot SDC on 21 Nov 22. Following observed:-</p> <p>(a) Bilge plates not secured.</p> <p>(b) Bilge hygiene not maintained.</p> <p>(c) Instrumentation calibration tallies not in place.</p> <p>(d) Supply and exhaust blower of compartment non-ops.</p> <p>(e) Hot lagging pending on exhaust compensator.</p> <p>(f) Lub oil priming pump handle not fitted.</p> <p>(g) Sea water pump suction gauge not fitted.</p> <p>(h) Minor fuel leakage observed from fuel pump to injector line.</p>
5.	Diesel Alternator (Centre) (80 kW)	√		SAT (WITH OBS)	<p>SDC carried out on 05 Dec 22 and load trial on 12 Dec 22. Following observed:-</p> <p>(a) Emergency stop push button cover not held.</p> <p>(b) Junction box cover not secured.</p> <p>(c) Exhaust temperature gauge defective.</p> <p>(d) Minor fuel leakage observed from return line.</p> <p>(e) Coupling guard not fitted.</p> <p>(f) Attenuation checks across two mounts at 100% load UNSAT.</p> <p>(g) Minor sea water leakage observed from sea water pump.</p> <p>(h) Over voltage and under voltage trip/ alarm found Unsat.</p> <p>(j) Insulation meter showing erratic readings.</p> <p>(k) Calibration certificate not available for breakers and meters in SWBD.</p> <p>(m) Paralleling trials not offered.</p> <p>(n) Reverse power relay. calibration certificate not available.</p>



Ser.	Machinery/ Equipment	Cold checks completed		Sat/Unsat/ Sub-Optimal	Remarks
		Yes	No		
6.	AC Plant No.1	√		SAT(WITH OBS)	SDC carried out on 28 Nov 22. Following observed:- (a) Bilge plates not secured. (b) Bilge hygiene not maintained. (c) Calibration certificate of instrumentation not held on board. (d) Calibration tally not placed in instrumentation. (e) Sea water pump safety guard not fitted. (f) Minor sea water leakage from condenser over board valve gland packing. (g) Condenser relief valve calibration certificate of both AC not held. (h) Blower not started view ventilation trunking work is in progress.
7.	AC Plant No.2	√			
8.	HP Air compressor Port		√		Not offered by SS.
9.	HP Air compressor Stbd		√		Not offered by SS.
10.	RO plant		√		Not offered by SS.
11.	Fire Main pump No.1 & 2		√		Not offered by SS.
12.	Salvage Pump No 1 & 2		√		Not offered by SS.
13.	Bilge Pump No 1		√		Not offered by SS.
14.	Fresh water pump no. 1&2		√		Not offered by SS.
15.	Dirty oil transfer pump		√		Not offered by SS.
16.	Fuel oil transfer pump		√		Not offered by SS.

Ser.	Machinery/ Equipment	Cold checks completed		Sat/Unsat/ Sub-Optimal	Remarks
		Yes	No		
17.	Fuel centrifuge no. 1 & 2		√		Not offered by SS.
18.	Misc. observation	-	-		(a) Hot lagging of EDA compartment not completed. (b) Exhaust temperature sensor wire of EDA not secured. (c) Gyro repeater not fitted in water jet compartment. (d) Inter cooler line of HP air compressor not secured. (e) PLC landed for reprogramming of RO plant. (f) Rectifier of MCS V landed for overhauling. (g) Condenser valve replacement pending due to modification in pipe line.
19.	Basin trial	-	-		Basin trial of all three Main Engines conducted on 04 Jan 23. Following observed: - (a) Exhaust flap position indication of SME non-ops, sensor defective. (b) Starting air pressure indication of CME non-ops, sensor defective. (c) Exhaust flap position indication of CME found erratic, showing closed indication in actual open position. (d) 'A' bank air filter clogging indicator of PME not available. (e) 'B' bank air filter clogging indicator of SME found broken. (f) Minor lub oil leakage from lub oil filter of CME. (g) Corrosion on auxiliary system pipelines of all three MEs. (h) Stbd shaft plumber block temperature indication non-ops. (j) Buzzer found non-ops in MCR. (k) Sea Water leakage from thermometer of Fresh Water of cooler discharge line of PME.