

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

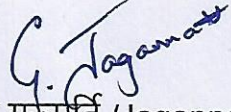
CTT/300/11/03/TECH

03 Feb 23

The Commander-in-Chief
{for CTO(Marine)}
Headquarters
Andaman and Nicobar Command
Port Blair - 744 102

VIBRATION TRIALS OF STBD DA – INS CORADIVH

1. Vibration trials of STBD DA was undertaken on 01 Feb 23 at 40 Kw (50%) & 48 Kw (60%). The details of trials are placed at **Enclosure**.
2. **Observations.** Following observed: -
 - (a) Vibration at Engine Free End Axial direction & Engine Drive End Horizontal direction at 50 % of rated load (40 Kw) found to be 14.9 mm/sec and 22.7 mm/sec respectively against limit of 16 mm/sec.
 - (b) Vibration at Engine Free End Axial direction and Engine Drive End Horizontal direction at 60 % of load (48 Kw) found to be 16.4 mm/sec and 25.8 mm/sec respectively against limit of 16 mm/sec.


(जगन्नाथ गुरुमूर्ति /Jagannath Gurumurthy)
लेफ्टिनेंट कमांडर / Lieutenant Commander
उप-प्रभारी अधिकारी/ Dy. Officer-in-Charge
क्रिते प्रभारी अधिकारी/ for Officer-in-Charge

Encl:- As Above

Copy to.

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

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

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

VIBRATION TRIAL REPORT – STBD DA

1. **Vibration Trials**. Vibration trials were carried out at 50% and 60% of rated load on 01 Feb 23. Details of vibration trials are as follows: -

Ser.	Measuring Points	At 50% (40KW) load			At 60% (48 KW) load			Remarks (Limit 16 mm/sec)
		V	A	H	V	A	H	
(a)	Engine free end	11	14.9	9.8	11.7	16.4	10.6	UNSAT
(b)	Engine drive end	6.5	3.9	22.7	8.6	3.9	25.8	
(c)	Alternator drive end	3.8	2.3	2.8	3.8	2.5	3.1	SAT
(d)	Alternator free end	5.1	3.0	1.9	5.3	3.5	1.7	