

CTT/300/10/01

16 नवम्बर २३/ Nov 23

कमान अधिकारी/ The Commanding Officer  
द्वारा नौसेना कार्यालय/ c/o Navy Office  
भा. नौ. पो. कुलिश/ INS Kulish  
पोर्ट ब्लेयर ७४४ १०२/ Port Blair 744 102

**PRE NUWR TRIALS FOR ACOUSTIC & MAGNETIC RANGING – INS KULISH**

1. Refer to following: -

- (a) NUWR (Goa) Fax 305/GEN/01 dated 09 Nov 23.
- (b) NATAA policy MTAA/300/3/POLICY dated 18 Jul 14 (Not addressed to all).

2. Acoustic Ranging of INS Kulish is scheduled as per NUWR (Goa) fax ibid, prior ships movement to NUWR, pre-NUWR trials are to be conducted by CTT(Pbr). The four stages of pre-NUWR trials with timeline (excluding time required for defect liquidation, if any) is elaborated below: -

<b>Ser</b>	<b><u>Pre-UWR Activity/Phase</u></b>	<b><u>Scope</u></b>	<b><u>Timeline</u></b>
(a)	Pre-Operational System Readiness Checks (POSRC)	Internal acoustic audit by ship's Noise Control Team (NCT) to achieve optimal acoustic hygiene.	POSRC to be forwarded to CTT (Pbr) at an early date (Format placed at <b>Enclosure I</b> ).
	Health Audit of Degaussing System	Internal audit by ship's staff.	In-house report of health of Degaussing System to be forwarded to CTT (Pbr) at an early date (Format placed at <b>Enclosure II</b> ).
(b)	Acoustic Hygiene Audit (AHA)	AHA by CTT (Pbr) and forwarding of observations to ship for liquidation prior equipment trials. The same will be validated prior Phase-I trials.	Undertaken by CTT (Pbr) <b>post receipt</b> of POSRC from Ship. <b><u>Duration 06 Days</u></b> . All observations during AHA to be liquidated by SS and a report to be rendered to this unit for commencement of Phase-I trials.
(c)	Phase-I trials (Harbour)	Trials (collection of Structure Borne Noise	To be offered by Ship post liquidation of observations

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	Trials)	data) of speed independent equipment by CTT (Pbr) in harbour.	emerged during AHA by CTT (Pbr). Phase I trials require <b>05 Days</b> approximately subject to equipment readiness. List of equipment is placed at <b>Enclosure III.</b>
(d)	Phase-II trials (Sea Trials)	Trials (collection of Structure Borne Noise data) of speed dependent machinery by CTT (Pbr) at sea.	To be scheduled by ship for trials of speed dependent machinery prior movement to NUWR (Goa). A total of <b>three</b> regimes, each regime requiring a minimum of 60 mins duration, will be necessary. List of equipment and regimes are placed at <b>Enclosure III.</b>

3. In view of the above, following is requested: -

(a) SS to liase with CTT (Pbr) for completion of all above activities. Pre-UWR trial activities by CTT (Pbr) begin with the receipt of POSRC from ship.

(b) SS to ensure requisite acoustic hygiene standards are achieved prior offering for AHA to CTT (Pbr). Check off list for preparation of acoustic hygiene report is brought out in the NATAA policy letter ibid. Soft copy of the internal audit report be forwarded to NUD email IDs **ANC-CTTA-REG** and **ANC-CTTA-DYOIC**.

(c) A one-day sea sortie be planned by the ship for conduct of sea trials prior ship's movement to NUWR (Goa).

(d) Major routines on equipment/hull/systems are not to be scheduled post commencement of acoustic trials. In the event of any major routines/repairs having been undertaken on the ship's equipment/hull/systems during the intervening period between completion of acoustic trials and underwater ranging, the ship is to provide complete details of work undertaken to CTT (Pbr). These reports are to reach CTT (Pbr) at least two weeks prior to scheduled ranging at NUWR (Goa).

(e) **For HQANC/SSO(ME) Only.** Direct HQNAVC / SSO(Tech) to attach trained CAHT to CTT(Pbr) during the duration mentioned above / as indicated.

G. Jagannath  
16/11

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लेफ्टिनेंट कमांडर/ Lieutenant Commander  
ध्वानिकी अधिकारी/ Acoustic Officer  
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