

CTT/300/04/04/TECH


21 नवम्बर २३/ Nov 23

प्रधान सेनापति/ The Commander-in-Chief  
{कृते कमान तकनीकी अधिकारी (समुद्री विद्युत)/ for CTO (ML)}  
मुख्यालय/ Headquarters  
अन्डमान एवं निकोबार कमान/ Andaman and Nicobar Command  
द्वारा नौसेना कार्यालय/ c/o Navy Office  
पोर्ट ब्लेयर ७४४ १०२/ Port Blair 744 102

**END OF REFIT TRIALS OF MACHINERY COMPARTMENT VENTILATION MOTORS  
INS KARMUK (NR-23)**

1. Refer to INS Karmuk Fax 309/04 dated 16 Nov 23.
2. **Background** Performance checks of machinery compartment ventilation motors were carried out on 18 Nov 23 by CTT(Pbr). Detailed report of trials placed at **Enclosure**.
3. **Salient Observations**
  - (a) Rubber gasket not available in all motor terminal boxes.
  - (b) Incoming cable of motors not passing through cable glands.
  - (c) Motors fitted inside the trunking found inaccessible to measure SPM.
  - (d) Insulation of S-31-S motor from cable to starter panel found zero.
  - (e) Dust accumulated in all starter panels.
  - (f) Earthing strap of starter panel (S-34-E) found loose and rusted.
  - (g) Locking arrangement of starter panels not available in various places.
  - (h) Two indication lamps missing and **fuse wire used in place of fuses** in starter panel (S-25-E).
  - (j) HCOS knob not available in starter panel (S-30-S).
4. **Recommendations**
  - (a) Liquidation of observations at para 3 above.
  - (b) Cable of ventilation motor (S-31-S) be renewed.

- (c) Routines of the starter panels and motor terminal box to be carried out.
- (d) SS to furnish test bench reports of OLR and motors fitted in trunking.



(एस सी विलियम/ S C William)  
कमांडर/ Commander  
प्रभारी अधिकारी/ Officer-in-Charge

**Encl: -** As above

**Copy to: -**

कोमोडोर अधीक्षक/ The Commodore Superintendent  
{कृते उप महाप्रबंधक (मरम्मत)/ for DGM (Refit)}  
नौसेना पोत मरम्मत यार्ड/ Naval Ship Repair Yard  
द्वारा नौसेना कार्यालय/ c/o Navy Office  
पोर्ट ब्लेयर ७४४ १०२/ Port Blair 744 102

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

1. Ventilation Motors.

Ser	Motor Description with Rating (kW/ hp)	Status (Ops/ Non Ops)	Insulation (M $\Omega$ )	Starting Current (Amps)	Running Current (Amps)	SPM		Defects. If any (including Starters)
						DE	NDE	
(a)	S-23-S (5HP)	OPS	4	33	4.3	-	-	-
(b)	S-24-E (5HP)	OPS	20	33	4	-	-	-
(c)	S-25-S (5HP)	OPS	$\infty$	31	4.2	-	-	-
(d)	S-26-E (5HP)	OPS	20	19	2.6	-	-	-
(e)	S-27-S (7.5HP)	OPS	5	27.6	4.6	-	-	➤ Locking arrangement not available.
(f)	S-28-S (7.5HP)	OPS	7	33	6.9	-	-	-
(g)	S-29-E (15HP)	OPS	$\infty$	92	17.6	-	-	-
(h)	S-30-S (7.5HP)	OPS	3	34	5.1	-	-	➤ Locking arrangement not available.
(j)	S-31-S (7.5HP)	OPS	20	42	5.7	-	-	-
(k)	S-32-E (15HP)	OPS	12	97	11.8	-	-	-
(l)	S-33-S (5HP)	OPS	10	33	5.1	-	-	➤ Locking arrangement not available.
(m)	S-34-E (5HP)	OPS	20	30	4.9	-	-	➤ Earthing strap of starter found loose and rusted.