

**JOB SPECIFICATIONS, TASK LISTS AND TRAINING OBJECTIVES FOR CHEAR (Q) COURSE**

<b>S. NO</b>	<b>Job Specification</b>	<b>Task List</b>	<b>Traning Objectives</b>	<b>SOK</b>
<b>1.</b>	<b>2.</b>	<b>3.</b>	<b>4.</b>	<b>5.</b>
1.	To carry out/supervise SS PPM routines on the following electronic equipment:-  (a) Navigation Radars (b) Warning & Weapon Radars (c ) Echo sets (d) Sonar sets (e) Sonar associated with missiles Torpedos (f) W/T Equipments (ICS/CCS/VCS) (g) EW equipments (h) DF equipments (j) Data handling, Display and CAAIS Systems (k) Video Displays and plotting systems (l) Radiations Monitoring equipments/ SIRS (m) Electronic, Telephone exchange (n) Sat Nav (o) IFF (p) Hull outfits (r) Survey Equipments for survey ships, sailors  (s) CCS MK III and FO (t) Intercom System	1.1 To implement E2 PPM syter	1.1.1. To apply principles of following:- (a). Radar, Sonar and Signal Processing (b). Computer & Microprocessor.  1.1.2. Detailed Technical Knowledge of equipment at 1. 1.1.3. Detailed understanding of as fitted drawings, wiring diagrams & machine drawings 1.1.4. Working knowledge of applications of advanced technology in equipment at 1. 1.1.5. To maintian EMAP/E2 PPM records and master records. 1.1.6. To schedule PPM routines. 1.1.7. To use CRETE and commercial test equipments to monitor equipment parameters. 1.1.8. To carry out setting to work and tunning of equipment at 1. 1.1.9. To apply common Engg. Practices of EMI/EMC regarding Grounding,Bonding,Shielding and earthing practices.	A  A A A A B A A A A
		1.2 To analyse test results on equipment at 1.	1.2.1. To carry out performance tests on electrical machines/ units used with equipment at 1. 1.2.2. To analyse equipment performacne results.	B B
2.	To carry out /supervise repairs to equipment at 1.	2.1 To carry out/supervise fault on equipment at 1.	2.1.1. As at 1.1.1 to 1.2.2.	
		2.2 To carry out /supervise repairs to equipment at 1.	2.2.1 To test equipment after repairs. 2.2.2. To exploit repair technical document (RTD) 2.2.3. Knowledge of stores accounting procedures. 2.2.4. Knowledge of stores organisation.	 A A A
		2.3 To assists Electrical Officer monitoring radiations.	2.3.1 Knowledge of Nuclear explosion hazards and safeguards. 2.3.2. Knowledge of NBCD. 2.3.3. To use SIRS. 2.3.4. To use portable radiation monitoring units.	 C B B B
		2.4 To calibrate radiation monitoring equipment at 1.	2.4.1. To follow calibration procedures. 2.4.2. To use radio active calibration source	B B