

List H

List of Anticipated requirements of various Products and Services for P17A Ships			
Sr No	Brief Description of Materials / Services	Estimated Quantity Reqd	Tentative period when material / service is required
1	Shafting, CPP & Thrust Block	14 sets	
2	Main Diesel Engine	14 nos	
3	1MW DA	28 nos	
4	R O Plant (30 TPD)	21 nos	
5	FW Generator (2 TPD)	7 nos	
6	Emergency DA – 12KW	7 nos	
7	LO/FO Centrifuge	14 sets	
8	AC Plant 650 KW	42 sets	
9	REF Plant	14	
10	HP Air Compressor 14 LPM	21 nos	
11	Air Bottles - 258 Ltrs	154 nos	
12	Air Bottles - 106 Ltrs	154 nos	
13	Oily Water Seperator	14 nos	
14	Steering Gears & Rudders	7 sets	
15	Fin Stabilisers	28 nos	
16	Screw Pumps	98 nos	
17	Centrifugal Motor Pumps	84 nos	
18	Salvage Pumps 310 TPH	70 nos	
19	Valves	1000 nos	
20	Bilge Eductor 40 & 100 TPH	100 nos	
21	Lathe Machine	7 nos	
22	Bench Grinder	7 nos	
23	Milling Machine	7 nos	
24	Benchvice	14 nos	
25	Bench type Drill M/c	14 nos	
26	Flow Meter	60 nos	
27	Incinerator	7 nos	
28	Tank Content Gauges		
29	Main Switch Boards	14 sets	
30	APMS	21 nos	
31	APMS (PMCS)	21 nos	
32	Automatic Emergency Lanterns LED	4000 nos	
33	Alternator 1 MW	28 nos	
34	EBXL Cables	3000 Kms	
35	Rotary Convertor -115V /400Hz,1PH/3PH	28 nos	
36	Starter/Contorl Panels	2000 nos	
37	Various types of transformers 40 KVA,415V/380V	154 nos	
38	Rectifiers	14 nos	
39	Battery Charging equip	21 nos	
40	Auto Change over Switch	175 nos	
41	Hand Change over Switch	630 nos	
42	Signalling Projectors	30 nos	
43	Light Fittings/Navigation Lights EED-Q-261	28000 nos	

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44	Emergency Supply Equip 415 V ECB & ESCB	700 nos	
45	Dimmers	210 nos	
46	Window Wiper	245 nos	
47	Motors EED-Q-071(R-3)	2500 nos	
48	MCT Cable Glands Frames	4000 nos	
49	LED Lamps	14000 nos	
50	Paints NCD 1481		
51	Epoxy Red Oxide Primer		
52	Sacrificial Anodes		
53	HVAC System		
54	Anchor Capstan ,Mooring Capstan,Anchor Windlass	7 sets	
55	Accommodation Ladder		
56	Double Screen Al Doors		
57	Elastomeric Insulation & Adhesive		
58	MWMB		
59	Watertight /Gas Tight Doors & hatches		
60	Forging and Castings		
61	Blasting & Painting		
62	Fabrication of seats		
63	Fabrication of units		
64	SUPPLY & FITMENT OF 0.9 MM SS PANELS IN WC & BATH		
65	ALIMINIUM PORTABLE LADDER IN HELICOPTER HANGER NO 01 & 02		
66	FABRICATION OF MISSILE HANDLING GANTRY INSIDE HANGER		
67	FABRICATION OF SEAT FOR DEGAUSSING TRIPLE PROBE		
68	HARD WOOD FOR STOWAGE OF FOAM CONTAINERS		
69	RUBBER GASKET FOR AFU DOORS		
70	SECURING ARRGT FOR TUBULAR FRAME CHAIR		
71	TEAK WOOD FOR BOOM LOWER ARRANGEMENT		
72	TEAK WOOD /PINE WOODFOR KEEL BLOCKS		
73	TEAK WOOD 100 DIA X 2750 LONG DULY PLANNED FOR BOOM LOWER AR		
74	TEAK WOOD BEADING SCREEN DOORS		
75	TEAK WOOD BLOCKS & SOFT WOOD BLOCKS FOR DOCKING (NAVAL DOC		
76	TEAK WOOD FOR BRIDGE LADDER PLATFORM		
77	TEAK WOOD FOR BULWORK IN BRIDGE WING (P & S)		
78	TEAK WOOD FOR DOOR FRAMES		
79	TEAK WOOD FOR STOWAGE OF DEPTH CHARGER		
80	TEAK WOOD FOR DEPTH CHARGER		
81	WEATHER DECK TERMINAL		
82	½" BSP(F) ADAPTOR TO 'K'TYPE PREW.PROJECTORS		
83	12 OD 70/30 CNI PIPE FOR SHORTFALL FOR 3 YARDS		
84	16.045 OD 70/30 CU-NI PIPE		

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85	3/4"BSP(F) ADAPTOR TO 'A' & 'B' TYPE PRE.PROJECTORS		
86	40 NB DK/BHD. FITTING CENTRE PAD TYPE (GALVD)		
87	50 NB BLIND FLANGE CONNECTION		
88	65 NB COMPOSITE FLANGES		
89	70/30 CNI PIPE FOR STABILISER HYDRAULIC SYSTEM		
90	8 OD 70/30 CNI PIPE FOR SHORTFALL FOR 3 YARDS		
91	80 NB BLIND FLANGE CONNECTION (GM)		
92	90/10 CNI BULKHEAD FITTINGS – 50 NB		
93	ADAPTOR NUT FOR SHTIL – 1		
94	ADDITIONAL ALUMINIUM SACRIFICIAL ANODES		
95	ADDITIONAL HARDWARE FOR LAGGING AND LINING WORK		
96	ADDITIONAL LAMINATES FOR RACK SHELVES		
97	ADDITIONAL UNDER WATER PAINTS		
98	ADHESIVE AND SEALANT		
99	AIR PLUGS ON HATCHES		
100	ALU PERF SHEET		
101	ALUMINIUM ALLOY GRATINGS WITH RUBBER LINING		
102	ALUMINIUM PORTABLE LADDER IN HELICOPTER HANGER NO 01 & 02		
103	ALUMINIUM SACRIFICIAL ANODES		
104	ALUMINIUM PORTABLE LADDERS		
105	ARALDITE FOR INSULATION OF PIPE FITTINGS		
106	ADDITIONAL MATERIAL FOR CO2 SYSTEM		
107	ASSEMBLY OF AVCAT FILLING FUNNEL		
108	BATTERIES FOR ELECTRICAL SYSTEMS		
109	BATTERIES FOR NAVIGATION & SIGNALLING SYSTEM		
110	BENDS FOR COPPER PIPE		
111	BHD GLANDS		
112	BLACK PVC FOR TABLE TOPS		
113	BOLTS & NUTS		
114	BOLTS & NUTS FOR 1MW DA AUX.INSTALATION		
115	BOLTS FOR 'A' TYPE PREWETTING PROJECTORS		
116	BRASS CONICAL NUTS FOR MANHOLE COVERS		
117	C.S. SEAMLESS PIPES FOR YARDS 12651,12652,12653,12654		
118	CABLE CLENCH ,EYE PLATE & DECK CLENCH		
119	CABLE GLANDS		
120	CABLE MARKERS		
121	CABLES		
122	CARBON STEEL & STAINLESS STEEL FASTENERS		
123	CARBON STEEL FLANGES		
124	CEILING WORK IN OPT ROOM, JR. S. & SR. S. DINING HALL		
125	CEREMONIAL HOOKS		
126	CLAMPS FOR HANGER SPIRAL DUCT		
127	CLIP ON TYPE TERMINAL		

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128	CNI PIPE FITTING SOCKOLETS,WELDOLET,BLIND FLANGES		
129	COMPARTMENT NAME /COMPT.DOOR/GALLEY EQUIP.TALLEY PLATES		
130	COMPOSITE FLANGES		
131	COMPUTER & ASSESORIES		
132	COMPUTERS		
133	COPPER COATED M S FIXING PINS		
134	CPP OD BOX SPACER RING – 651		
135	CRESTS		
136	DECK CONNECTION FOR FRESH WATER FILLING FOR YARD NOS 12651,12652,12653,12654		
137	DECK FILLING CONNECTION		
138	DECK FILLING CONNECTION & FILLING FUNNEL		
139	DECK FILLING CONNECTION ASSEMBLY FOR CW SYSTEM		
140	DECK FILLING CONNECTION FOR LUB OIL SYSTEM		
141	DECK SCUPPERS WITH BOTTOM FLANGES & GRATINGS		
142	DIGITAL HAND HELD MANOMETER		
143	ELBOWS & UN-EQUAL TEES (300 NB)		
144	ENSIGN STAFF		
145	FABRICATION OF GRATINGS FOR SEA CHEST		
146	FABRICATION OF RAS TEST RIG.		
147	FABRICATION OF STERN TUBE		
148	FASTENERS FOR MAIN ENGINE & UPTAKE		
149	FILTER ELEMENTS FOR STABILISER & STEERING GEAR		
150	FIRST AID BOXES		
151	FITTINGS FOR STERN TUBE CONNECTION.		
152	FIXED PODIUM IN BRIEFING ROOM CENTRAL		
153	FLAG STAFF		
154	FLARELESS BITE TYPE FITTINGS FOR HYD.SYSTEM OF RSS – 651		
155	FLY/INSECT KILLER		
156	FRESH WATER ADDITIVE FOR DE – Y651		
157	FURNITURE KEY TALLIES		
158	FURNITURE NON STD METALLIC		
159	FUSE LINKS FOR CST		
160	FUSES FOR AC PLANTS		
161	G P SHEETS		
162	G P SHEETS PANELLING WORK IN S C C COMPT		
163	GASTIK SEALING COMPOUND NO 1777A		
164	GM BRAZED COUNTER FLANGES		
165	GM WELDING COLLARS FOR COPPER PIPES		
166	GOOSE NECK FITTING WITHOUT ANTIFLASH		
167	GRATEX GRATINGS		
168	GREASE		

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169	GT CLEANING FLUID TANK		
170	GUARDRAIL STANCHIONS		
171	HARDWOOD WEDGES FOR LAUNCHING ARRANGEMENT		
172	HOSE COUPLING FOR LO SYSTEM		
173	HOSE COUPLING WITH CAP & CHAIN & ADAPTORS		
174	HRC FUSES		
175	HRC FUSES, TERMINAL BLOCKS & CONTROL CABLES		
176	HYDRAULIC JACK ON HIRE FOR SHAFTING		
177	INLINE MAGNETIC FILTER – Y651		
178	INSULATION MATERIAL – ADHESIVE MAS 83		
179	INSULATION MATERIAL – VAPOUR BARRIER COATING MAS 136		
180	ITEMS FOR SAFETY NET		
181	ITEMS FOR THRUST BLOCK (P&S)		
182	KEY BOARDS		
183	LAGGING & LINING MATERIAL		
184	LAMINATES FOR FURNITURE		
185	LASER PRINTERS		
186	LEATHER GASKET FOR OIL TIGHT MANHOLE		
187	LIFTING GEAR FOR DIESEL ENGINE FROM OEM		
188	LOCAL INDICATION PANEL OF GEAR BOX		
189	LOCKERS IN VARIOUS COMPARTMENTS		
190	M.S.Nut Bolt		
191	M.S. GALVANISED FOOTRUNGS ON FOREMAST		
192	MAGAZINE LOCK FITTINGS FOR DOORS & HATCHES		
193	MANILA ROPE FOR RAS ARRANGEMENT		
194	MANUF. CABLE STOPPER EYE PLATE		
195	MATERIAL FOR LAUNCHING		
196	MATL. FOR FOAM CHEMICAL SMOTHERING SYSTEM		
197	MEASUREMENT ODF SHAFT LOADING		
198	METALPHOTO ANODISED ALUMINIUM TALLIES		
199	MIRROR WITH ACRYLIC FRAME		
200	MOULDED RUBBER COLLAR AND RUBBER PAD		
201	NBCD TALLEY PLATES FOR VENTILATION SYSTEM		
202	NIPPLE, ADAPTOR NUT, SLEEVE, BHD. SLEEVE		
203	NIPPLE, SLEEVE, BHD. SLEEVE FOR SHTIL-1		
204	NON STANDARD METALIC		
205	NON STANDARD ADAPTORS FOR VARIOUS FITTINGS		
206	NUTS & BOLTS FOR GT LM 2500		
207	OIL FOR HYDRAULIC POWER PACK OF BOAT DAVIT		
208	OIL FOR WINCH & HYDRAULIC POWER PACK OF BOAT DAVIT		
209	OIL VAPOUR TRAP		
210	PAINTS FOR AVCAT TANK & F.W. TANKS OF YARD 12652		
211	PIPE INSULATION MATERIAL		
212	PIPE INSULATION MATERIAL – MAS		
213	PIPE INSULATION MATERIAL 10 NB PIPE		
214	PIPES FOR HYDRAULIC SYSTEM OF RSS – Y651		
215	PIPES, CHANNELS FOR GT INTAKE & UPTAKE		

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216	PLANNED PINE WOOD FOR GRATINGS IN AWNING STORE & ENG.WORKSHOP		
217	PLANNED PINWOOD FOR KEEL BLOCKS FOR DRY DOCKING		
218	POLYURETHENE FOAM MATTRESSES & PILLOWS FOR SEA TRIALS		
219	PORTABLE IRONING TABLE		
220	PRESERVATIVES FOR SRGM GUN FOR YARD NO 12651		
221	PUTTY FOR APPLICATION TO SONAR DOME & OTHER AREAS		
222	PVC CABLE MARKERS,CABLE TIES & ADHESIVE TIE MOUNTS		
223	RAIN GUARD ASSEMBLY FOR UPTAKE/INTAKE – Y651		
224	RIGGING ITEM FOR BOOM LOWER ARRANGEMENT		
225	RUBBER BELLOWS FOR YARD 12651		
226	RUBBER GASKET FOR COLD & COOL ROOM		
227	RUBBER GROMMETS		
228	S S WIRE MESH		
229	SALWOOD & FIRWOOD FOR LAUNCHING ARRANGEMENT		
230	SAWN TEAKWOOD FOR MFG GUTTIES		
231	SAWN WOOD FOR LAUNCHING ARRANGEMENTS		
232	SCOTCH SPRAY FOR MCT GLAND PACKING		
233	SCREWED BHD FITTING – 12 OD		
234	SEA ROPE LADDER		
235	SERVICE BOLTS		
236	SLIP-ON FLANGE		
237	SLOPPING LADDERS		
238	SLOTTED ANGLES		
239	SOCKETS FOR WEAPON SYSTEM		
240	SPARE LOCKS FOR NWT DOUBLE SKIN DOORS		
241	SPTA BOXES		
242	SRGM AMMUNITION LOADING CHUTE		
243	SS FITTINGS FOR GTFO SYSTEM		
244	SS FITTINGS FOR INHIBITOR SYSTEM		
245	SS FLANGES FOR Y-12651		
246	SS RODS		
247	STAINLESS STEEL FASTENERS		
248	STAINLESS STEEL PIPE		
249	STAINLESS STEEL PLATES		
250	STAINLESS STEEL PLATES ASTM A-240 TYPE 316 L		
251	STAINLESS STEEL TANKS		
252	STATWBOARDS		
253	STRUM BOXES (STRAINER)		
254	SUPPLY OF 65 NB /80 NB CARBON STEEL LR BENDS		
255	SUPPLY OF ALUMINIUM STRAINER FOR FUEL FILLING		
256	SUPPLY OF BOLTS & NUTS FOR BHD		
257	SUPPLY OF BOLTS FOR LIFTING LUGS		
258	SUPPLY OF BOOK CASE & FRAME TYPE B		
259	SUPPLY OF CHANNELS & ANGLES FOR INTAKE		

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260	SUPPLY OF CLAMPS FOR PIPES		
261	SUPPLY OF COMPUTARISED SCREEN PROJECTOR		
262	SUPPLY OF CUNI REDUCERS		
263	SUPPLY OF CUNI UNEQUAL TEES		
264	SUPPLY OF DECK CONNECTION FOR AVCATFUEL FILLING FOR YARDS 12651,12652,12653,12654		
265	SUPPLY OF DISTILLED WATER & CHEMICAL TANKS		
266	SUPPLY OF EPOXY FILLER		
267	SUPPLY OF EQUAL FOR PIPES		
268	SUPPLY OF EQUAL TEES		
269	SUPPLY OF EQUAL TEES TO SUIT PIPES		
270	SUPPLY OF FAB.OF DATUM PLATE ASSEMBLY		
271	SUPPLY OF FABRICATION OF G.T. CLEANING FLUID TANK 350 LTRS CAP		
272	SUPPLY OF FABRICATION OF GRATINGS FOR SEA TUBE & SEA CHEST		
273	SUPPLY OF FLUSH HATCH		
274	SUPPLY OF FRESH WATER		
275	SUPPLY OF FURNITURE NON STANDARD METALLIC		
276	SUPPLY OF HAND HOLD COVERS		
277	SUPPLY OF ITEMS FOR LAUNCHING ARRANGEMENT – M.S.GALVANISED WIRE		
278	SUPPLY OF ITEMS LAUNCHING ARRANGEMENT – MS DOG		
279	SUPPLY OF KEY BOARDS		
280	SUPPLY OF LR BENDS		
281	SUPPLY OF LR BENDS FOR PIPES		
282	SUPPLY OF M S SLOTTED ANGLES		
283	SUPPLY OF M.S.GALVNSD ANGLE – MATERIAL		
284	SUPPLY OF M.S.SQUARE BARS		
285	SUPPLY MPL SHEETS		
286	SUPPLY OF NOTICE BOARD		
287	SUPPLY OF NUTS & BOLTS		
288	SUPPLY OF PAINTS		
289	SUPPLY OF PLANED TEAK WOOD		
290	SUPPLY OF PLANED TEAKWOOD BEADING		
291	SUPPLY OF REDUCERS FOR ONE END TO SUIT PIPE		
292	SUPPLY OF REDUCERS FOR YARD 12651		
293	SUPPLY OF RUBBER GASKETS FOR MANHOLES		
294	SUPPLY OF RUBBER PAD		
295	SUPPLY OF SALWOOD ITEMS		
296	SUPPLY OF SALWOOD WAGES FOR LAUNCHING WAYS		
297	SUPPLY OF SAWN FIRWOODEN PLANK		
298	SUPPLY OF SLOTTED ANGLES		
299	SUPPLY OF SPRING CLIP		
300	SUPPLY OF STAILESS STEEL MATERIAL		
301	SUPPLY OF STEEL MATERIALS		
302	SUPPLY OF STUDS & EXPANDED METAL		
303	SUPPLY OF STUDS & NUTS		
304	SUPPLY OF TEAK WOOD		

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305	SUPPLY OF TEAKWOOD WOODEN BLOCK		
306	SUPPLY OF TEAKWOOD SPRADER SPAR		
307	SUPPLY OF TIMBERS		
308	SUPPLY OF TOWING CASTINGS		
309	SUPPLY OF UNEQUAL TEES FOR TWO ENDS TO SUIT PIPE		
310	SUPPLY OF UNEQUAL TEES		
311	SUPPLY OF WATER COOLERS		
312	SUPPLY OF WATER COOLERS & REFRIGERATORS		
313	SUPPLY OF WOOD FOR W/C & PARTIONING OF BHDS		
314	SUPPLY OF WOODEN DESK		
315	SWAN WOOD FOR LAUNCHING ARRANGEMENT		
316	SWING BOLT & WING NUT ASSEMBLY FOR HAWSE PIPE LIP COVER		
317	TALLIES FOR BHD NUMBERING		
318	TEAK WOOD FOR 106 LITERS OF AIR BOTTLE SEATS		
319	TEAK WOOD FOR BEADING		
320	TEAK WOOD FOR COLD ROOM GRATINGS		
321	TEAK WOOD FOR FRAMES OF SCREENED /DOUBLE SKIN DOORS		
322	TEAK WOOD FOR MFG. STOOLS		
323	TEAK WOOD SKIRTING		
324	TEAKWOOD FOR WOODEN DOORS		
325	TEFLON SLEEVE		
326	TURBONYCOIL 600 FOR GE LM 2500 ENGINES		
327	TYPE 'B' STOOLS		
328	UNION COUPLING AND ADAPTORS SS		
329	WALL TEE FOR BIBTAPS		
330	WEATHER DECK PAINTS FOR YARD 12651		
331	WELDING COLLARS FOR COPPER PIPES		
332	WELDING COLLARS		
333	WOOD		
334	WOOD FOR COLD & COOL ROOM		
335	WOOD FOR W/C & PARTITION BHDS.		
336	WOODEN SLOPPING LADDERS TYPE "C"		