

TECHNICAL REQUIREMENTS FOR REPLENISHMENT AT SEA

1. Replenishment at Sea (RAS) means supply of liquids and solids by abeam fueling method and as well as liquids by astern fueling method (over the bow reception). The ship will have a multi-rig arrangement for abeam fueling, which includes dual probe fuelling.

2. The RAS system comprises of following items: -

(a)

SNo.	Item Description	NATO Pattern Number	Qty per Ship
1.	Double Prope Receiver & Hanger	2040-01-113-5686 NATO 10 coupling	2
2.	6" Fuel Hose to deck connection for Fuel Oil with all accessories of 6 Mts	4720-00-933-1454	4
3.	QRC (Quick Release Coupling) MK II female 6 inch Dia for Fuel Oil	F217-4930-99-520-5303	1
4.	QRC (Quick Release Coupling) MK II Female 2.5 Inch Dia for Fresh water	7910-1407	1
5.	Shackle	F219-4030-99-721-6093	2
6.	Snatch Block	F219-3940-99-190-6915	2

(b)

HOSES				
SNo.	Item Description	NATO Pattern Number	Qty per Ship	SNo.
1	6" for Fuel Oil with all Accessories	4.5 m	F217-4720-99-458-9499	3
2	6" for Fuel Oil with all Accessories	9 m	F217-4720-99-458-9498	4
3	4" for AVCAT with all accessories	4.5 m	-	2
4	4" for AVCAT with all accessories	9 m	-	2
5	2.5" for Fresh Water with all Accessories	4.5 m	F217/4720-99-185-5220	3
6	2.5" for Fresh Water with all Accessories	9 m	-	4

3. The hose are to be made as per DEFSTAN 22-94 and MIL 22240.