

COMMISSIONING OF COASTAL SURVEILLANCE SYSTEM, PUDUCHERRY

SIR,

1. POST 26/11 TERRORIST ATTACK, VARIOUS MEASURES HAVE BEEN INITIATED BY THE INDIAN COAST GUARD TO SAFE GUARD OUR SEA COAST. AS ONE OF THE MAJOR COASTAL SECURITY MEASURES, THE CHAIN OF STATIC SENSORS HAS BEEN ENVISAGED TO MONITOR THE HIGH SENSITIVITY AND HIGH DENSITY TRAFFIC AREAS ALL ALONG THE COAST OF INDIA IN THE FORM OF SHORE RADAR STATIONS (RS) ALONG WITH ELECTRO-OPTIC SURVEILLANCE SYSTEM. ACCORDINGLY, 46 STATIONS (36 MAIN LAND & 10 ISLANDS) WILL BE LOCATED ON THE EAST COAST, WEST COAST, LAKSHADWEEP AND ANDAMAN & NICOBAR ISLANDS OF INDIA. THE RADARS, VHF COMMUNICATION SYSTEM, ELECTRO-OPTIC SENSORS, MET SENSORS, AIS (AUTOMATIC IDENTIFICATION SYSTEM) TRANSPONDERS WILL BE INSTALLED ON THE LIGHTHOUSES OF THE DIRECTORATE GENERAL OF LIGHTHOUSES AND LIGHTSHIPS(DGLL). EACH LIGHTHOUSE SITE WILL BE LINKED TO THE NEAREST COAST GUARD STATION, KNOWN AS REMOTE OPERATING STATION(ROS) THROUGH A COMMUNICATION LINK FOR TRANSFER OF REAL TIME PICTURE. THE ROS WILL FURTHER BE LINKED TO THE REGIONAL OPERATING CENTRE'S(ROC) AT COAST GUARD REGIONAL HEADQUARTERS LOCATED AT MUMBAI, GANDHINAGAR, CHENNAI AND PORT BLAIR. ALL ROCs WILL BE CONNECTED TO CONTROL CENTRE(CC) AT COAST GUARD HEADQUARTERS, NEW DELHI.

2. THE PURPOSE OF THE COASTAL SURVEILLANCE SYSTEM(CSS) IS TO PROVIDE AN INTEGRATED PICTURE OF TARGET MOVEMENTS ALONG THE COAST. FOR THIS PURPOSE, THE RADAR AND AIS TARGET TRACK DATA FROM RADAR STATIONS, ROS AND ROC WILL BE COLLECTED AND BROUGHT TO THE CONTROL CENTRE VIA LEASED LINE/VSAT COMMUNICATION.

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3. THE COLLECTED DATA WILL BE INTEGRATED, CORRELATED AND PRESENTED ON THE DISPLAY PROVIDED AT EACH ROS(CHENNAI)/ROC(CHENNAI)/CC (NEW DELHI) FOR COASTAL SURVEILLANCE. THE KEY PURPOSE OF THIS COASTAL SURVEILLANCE SYSTEM IS TO PROVIDE THE USER WITH FULL SITUATIONAL AWARENESS OF THE COVERAGE AREA AND TO TAKE DECISION SUPPORT MEASURES TO IDENTIFY AND TAKE EFFECTIVE MEASURES AGAINST THREATENING TARGETS. THE SYSTEM HAS BEEN DESIGNED WITH ADEQUATE REDUNDANCY TO ENSURE CONTINUOUS AVAILABILITY, SMALL TARGET DETECTION IN ROUGH SEA CONDITIONS, AND AIDED BY ELECTRO OPTICAL SYSTEM.

4. FOR THE PURPOSE OF COVERING PUDUCHERRY AND ADJACENT COAST LINE, A COASTAL SURVEILLANCE RADAR HAS BEEN FITTED ON TOP OF PUDUCHERRY LIGHT HOUSE. THE COMMISSIONING/HANDING OVER OF PUDUCHERRY COASTAL SURVEILLANCE SYSTEM TO COAST GUARD/DGIL BY M/S BEL IS SCHEDULED **AT 0900 HRS ON 04 JUL 13**. THE DETAILS OF THE PUDUCHERRY COASTAL SURVEILLANCE RADAR ARE AS FOLLOWS:

(A)	LOCATION	-	PUDUCHERRY LIGHT HOUSE
(B)	TYPE OF RADAR	-	TERMA WITH AIS
(C)	RANGE	-	72 NM (APP 150 KM)
(D)	FREQUENCY	-	9.2 TO 9.6 MHZ
(E)	OPERATED/CONTROLLED	-	ROS CHENNAI
(F)	SIGNAL RECEIVED BY	-	ROS CHENNAI
(G)	ROS MANNED BY	-	INDIAN COAST GUARD, CHENNAI

5. IN VIEW OF THE ABOVE, IT IS REQUESTED THAT THE EVENT MAY BE GIVEN WIDE PUBLICITY THROUGH YOUR MEDIA.

REGARDS



(RV SINGH)
ASST COMMANDANT
EXECUTIVE OFFICER
FOR COMMANDING OFFICER