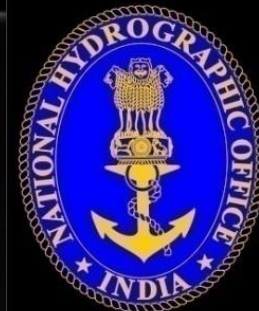


राष्ट्रीय जलसर्वेक्षण कार्यालय
NATIONAL HYDROGRAPHIC OFFICE

INDIAN NATIONAL HYDROGRAPHIC DEPARTMENT



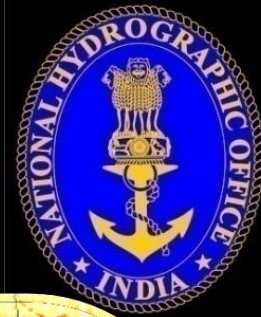
SCOPE



HISTORICAL BACKGROUND

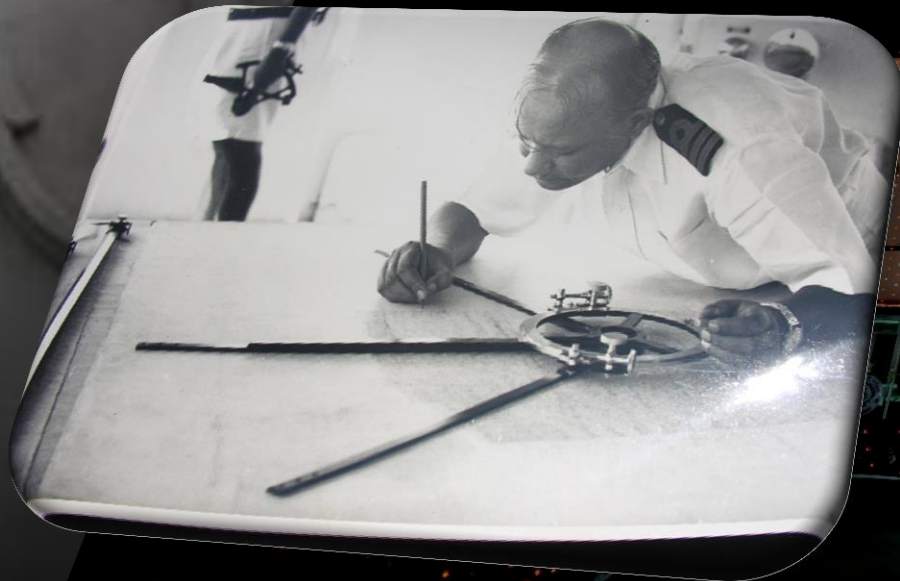
ROLE AND FUNCTIONS

FOREIGN COOPERATION INITIATIVES





HISTORICAL BACKGROUND



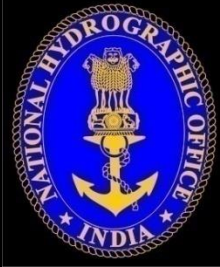
**1703 - BEGINNING OF
HYDROGRAPHIC SURVEYING
IN INDIAN WATERS**

**1874 - MARINE SURVEY DEPT
ESTD AT KOLKATA**





HISTORICAL BACKGROUND



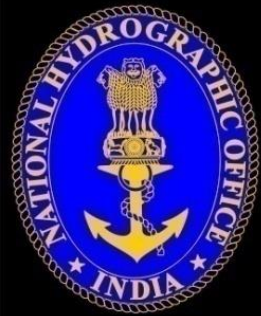
1947 - MARINE SURVEY OF INDIA ESTABLISHED

1954 - INHD ESTD UNDER THE CHIEF HYDROGRAPHER





HISTORICAL BACKGROUND



**1964 - CHIEF HYDROGRAPHER REDESIGNATED AS
CHIEF HYDROGRAPHER TO THE GOVT. OF INDIA**



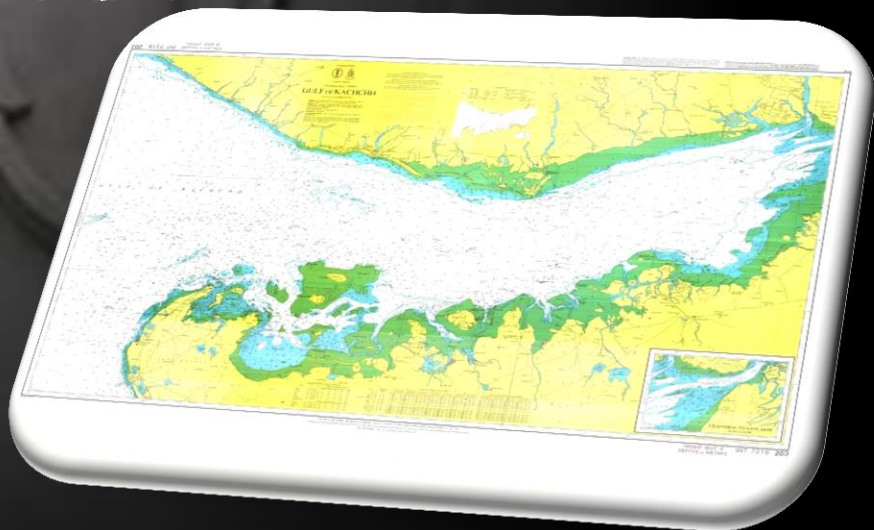
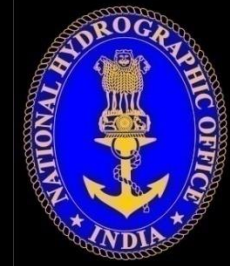
VISION



Ensure availability of accurate and updated hydrographic products, information, services and promote hydrography through cooperation mechanism in consonance with the vision of International Hydrographic Organisation



ROLE AND FUNCTIONS



**UNDERTAKE HYDROGRAPHIC
AND OCEANOGRAPHIC SURVEYS
IN INDIA AND ABROAD**

**HYDROGRAPHIC AND
OCEANOGRAPHIC SUPPORT TO
INDIAN NAVY**



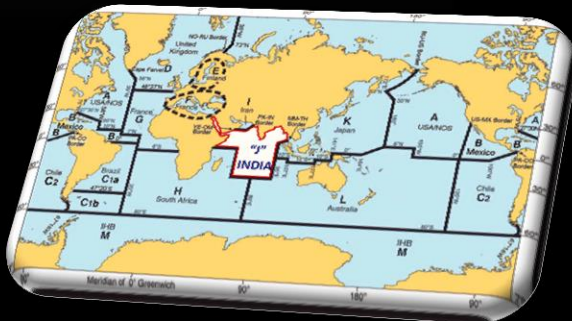
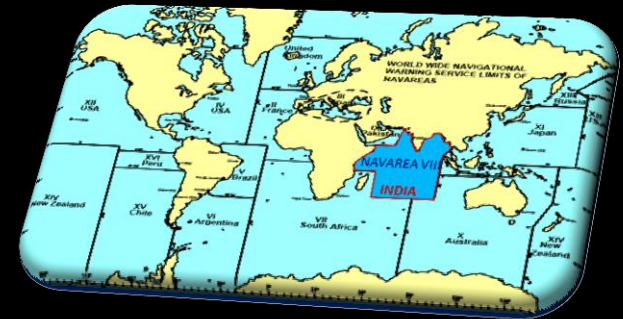


ROLE AND FUNCTIONS



DELINEATION OF MARITIME BOUNDARY

COORDINATION OF MARITIME SAFETY SERVICES – NAVAREA VIII

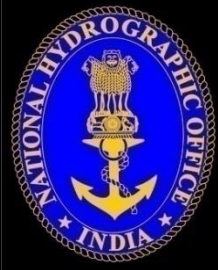


COORDINATOR – INT CHART SCHEMING AREA 'J'





ROLE AND FUNCTIONS



**REGIONAL CENTRE FOR
HYDROGRAPHIC TRAINING**

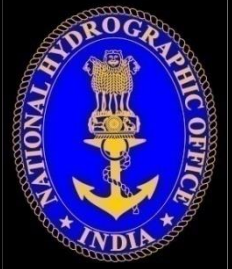


**ADVISOR TO THE GOVT ON
NAVIGATIONAL SAFETY**





NAVIGATIONAL SAFETY SURVEYS



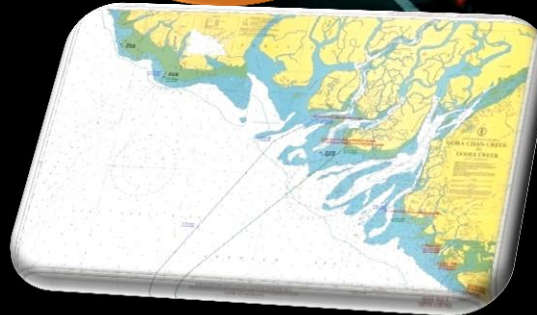
FOREIGN COOPERATION SURVEYS



DEFENCE SURVEYS



SURVEYING -
'THE PRIMARY
ROLE'



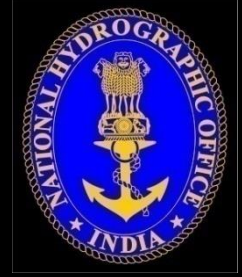
COASTAL ZONE MANAGEMENT

SURVEYS FOR CONTINENTAL SHELF & IMBL

PROJECT SURVEYS



SECONDARY ROLES



LOCAL NAVAL DEFENCE



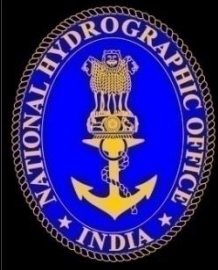
HADR OPS



HOSPITAL SHIP



RESOURCE CENTRES



FLEET OF EIGHT SHIPs



**NATIONAL HYDROGRAPHIC
OFFICE, DEHRADUN**





RESOURCE CENTRES



**NATIONAL INSTITUTE OF
HYDROGRAPHY, GOA**



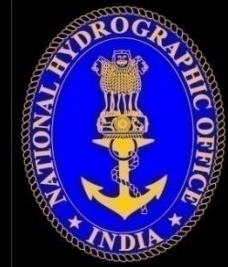
**NAVAL CHART DEPOTS
(MUMBAI, VISAKHAPATNAM)**

**HYDROGRAPHIC SURVEY UNITS
(KOCHI, MUMBAI, PORT BLAIR)**

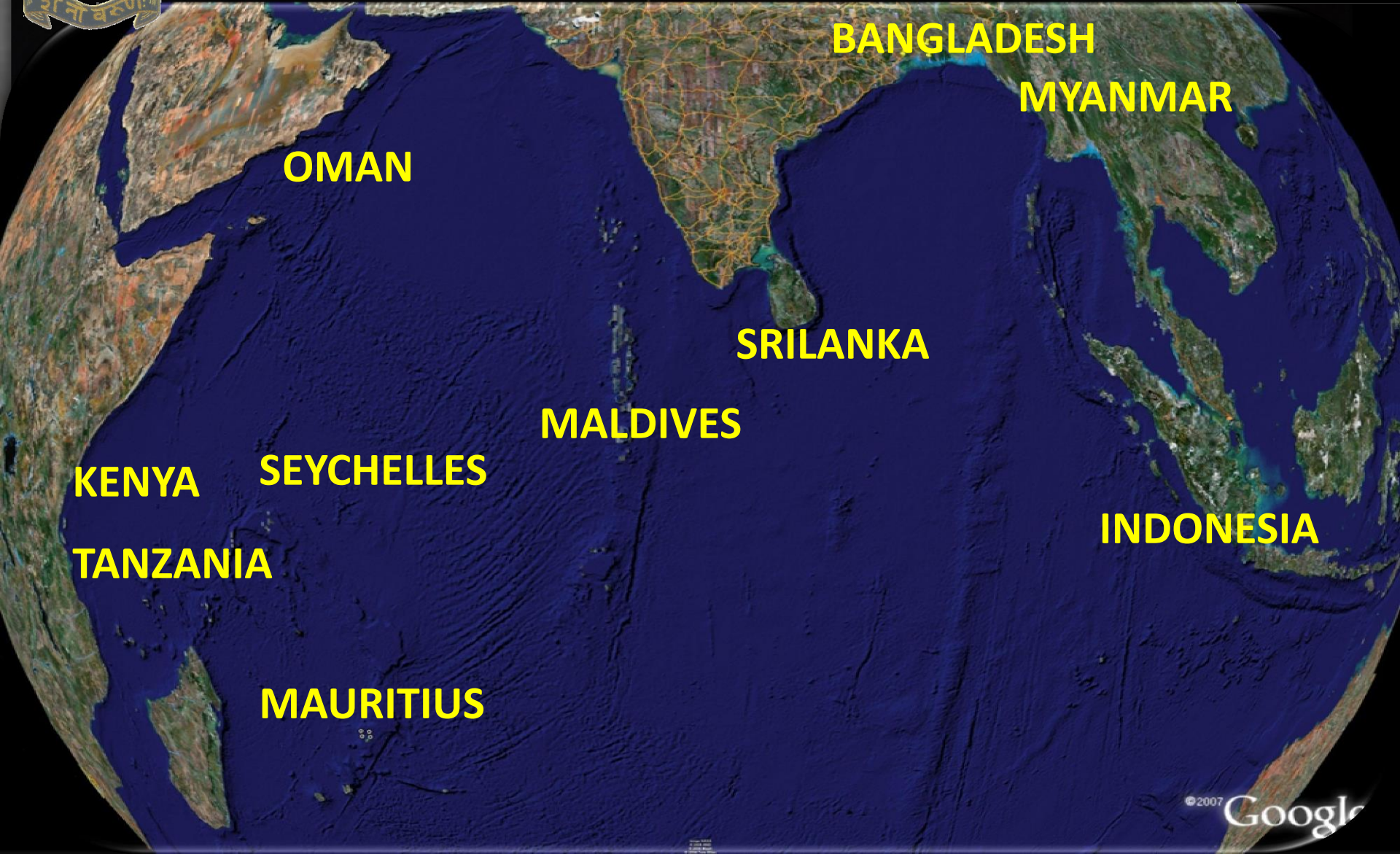




INTERNATIONAL COOPERATION

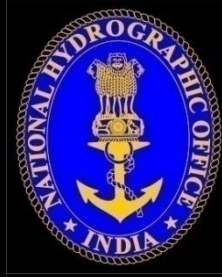


INTERNATIONAL CO-OPERATION



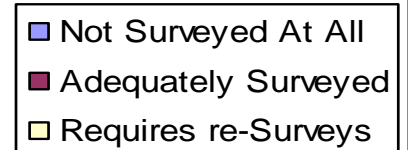
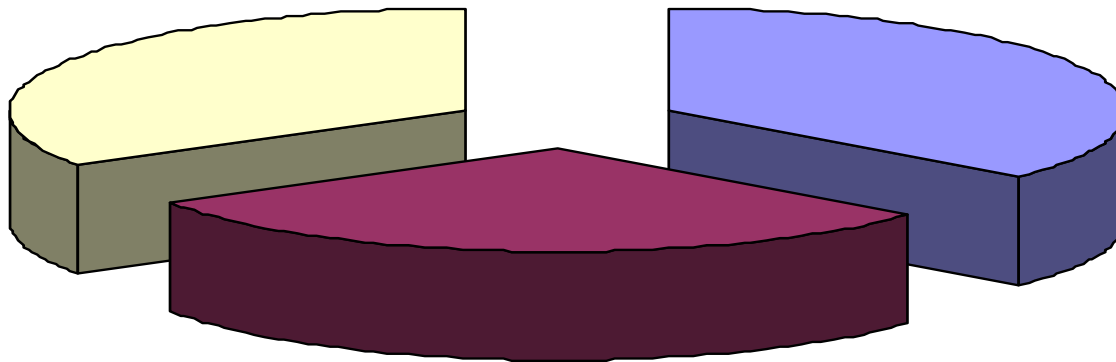


HYDROGRAPHY - IOR



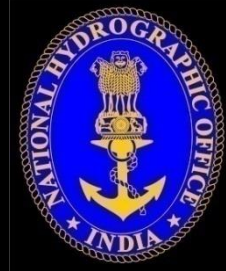
• ASIA

- AREAS ADEQUATELY SURVEYED 30%
- AREAS REQUIRING RESURVEYS 34%
- AREAS NOT AT ALL SURVEYED 36%





FOREIGN SURVEYS



MAURITIUS : 20 SURVEYS, 7 CHARTS



SEYCHELLES : 7 SURVEYS, 4 CHARTS



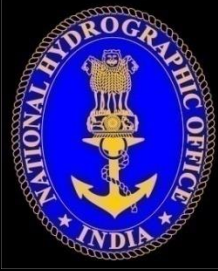
MALDIVES : 5 SURVEYS, 3 CHARTS



KENYA : 2 SURVEY, 2 CHARTS



FOREIGN SURVEYS



SRI LANKA : 1 SURVEY & 1 CHART



INDONESIA : 2 SURVEYS



OMAN : 2 SURVEYS



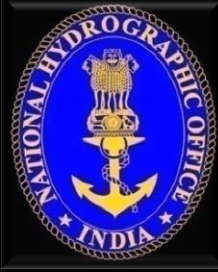
MOZAMBIQUE : 1 SURVEY & 1 CHART



TANZANIA : 5 SURVEYS & 5 CHARTS



FOREIGN COOPERATION



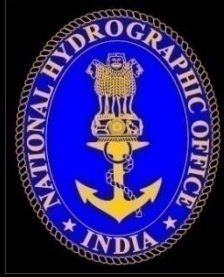
FIELD TRAINING



FAIRSHEET PRESENTATION



INTERNATIONAL REPRESENTATION



**INTERNATIONAL HYDROGRAPHIC
ORGANISATION (IHO)**



**NORTH INDIAN OCEAN
HYDROGRAPHIC COMMISSION
(NIOHC)**

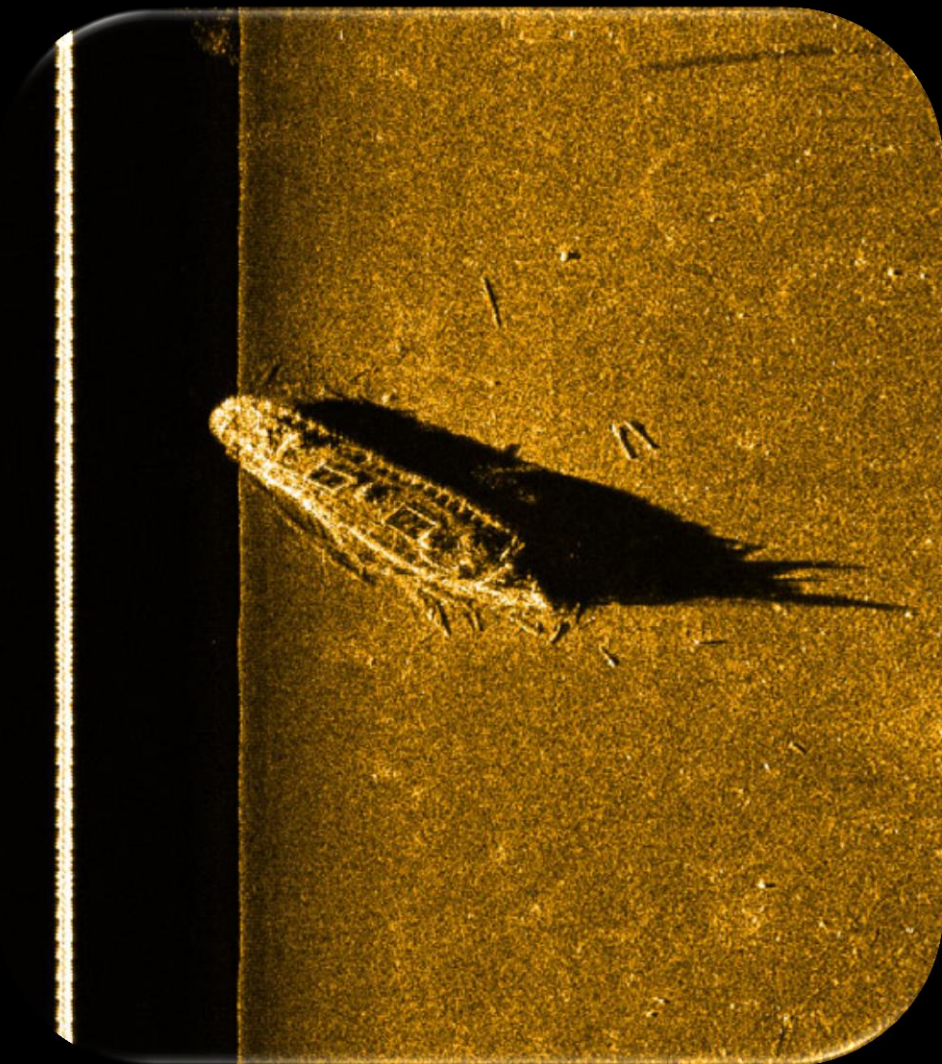
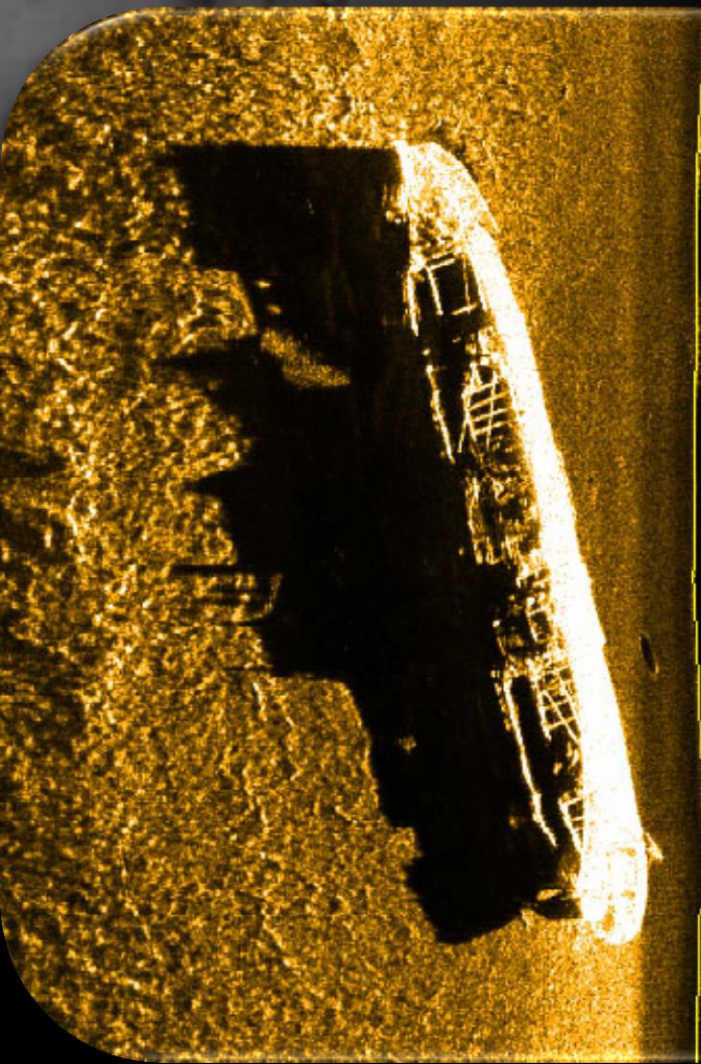
TSUNAMI DEPLOYMENT



DESTRUCTION AT HARBOURS
POST TSUNAMI



WRECK INVESTIGATION



IN SURVEY SHIPS
FIRST TO ENTER GALLE POST TSUNAMI

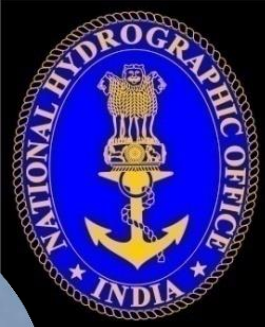


POST SURVEY & SALVAGE GALLE HARBOUR CLEARED OF ALL OBSTRUCTIONS





SECONDARY ROLES



HOSPITAL SHIP



HOSPITAL SHIP



WARD ROOM PARTY - ANTI-CLAVE



WARD ROOM - OPERATION THEATRE



WARD ROOM - ICU & WARD



REGULATING OFFICE - X RAY ROOM

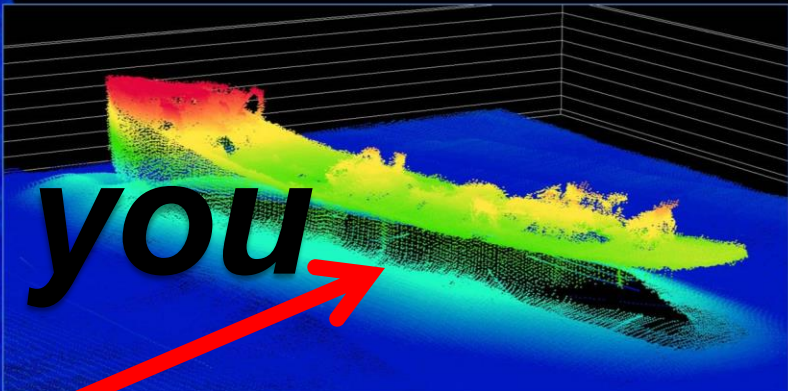


**DIAGNOSTIC LAB
PATH LAB & CLINIC ROOM**

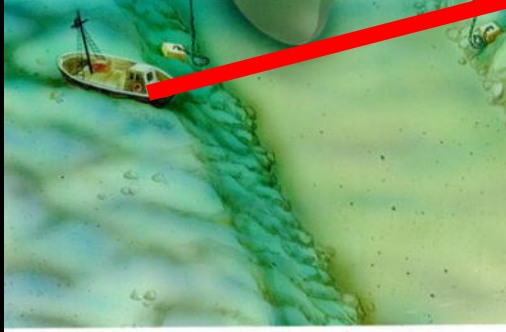


**STOREY CRANET ROOM
MED. STORE**





Thank you





Hydrographic Assets

