



SHAPING THE MARITIME DOMAIN IN THE INDO –PACIFIC
BY
CMDE UDAI RAO(RETD)

PREVIEW

- INDIA'S MARITIME OUTREACH
- MARITIME NEIGHBOURHOOD
- THE DRAGON HEADS WEST - IOR
- MARITIME BRIDGES WITH COUNTRIES OF INDO-PACIFIC
- AUGMENTING ANDAMAN & NICOBAR COMMAND
- CONCLUSION
- RECOMMENDATIONS

MARITIME TIMELINE

- **INDIA FOCUSED IN IOR – MARITIME DOMAIN**
- **2005- FORMER PM VAJPAYEE -“INDIA’S MARITIME AREA OF INTEREST EXTENDS FROM THE STRAITS OF HORMUZ IN THE WEST TO MALACCA STRAITS IN THE EAST “**
- **2013- FORMER PM MANMOHAN SINGH –”INDIA IS WELL POSITIONED TO BE A NET SECURITY PROVIDER IN THE IOR”**

MODI'S MARITIME OUTREACH

1991 -FORMER PM NARASIMHA RAO - INDIA'S LOOK EAST POLICY

PM MODI –MARITIME VISION

- **INDIA - ISLAND COUNTRY-97% OF TRADE BY VOLUME AND 72 % BY VALUE BY SEA**
- **CHINESE SURGE IN TO IOR ,ASSYMETRIC THREATS**
- **LINK BETWEEN MARITIME ECONOMY AND MARITIME SECURITY**

PM MODI'S PROJECTS

- 'MAKE IN INDIA' CAMPAIGN
- DEVELOPMENT AGENDA – 'SABKA SAAT SAB KA VIKAS'
- BLUE ECONOMY
- SAGARMALA PROJECT
- ATMANIRBHAR
- ALL DEPENDENDANT ON SAFE SEAS

➤ **SAGAR –SECURITY AND GROWTH FOR ALL IN THE REGION**

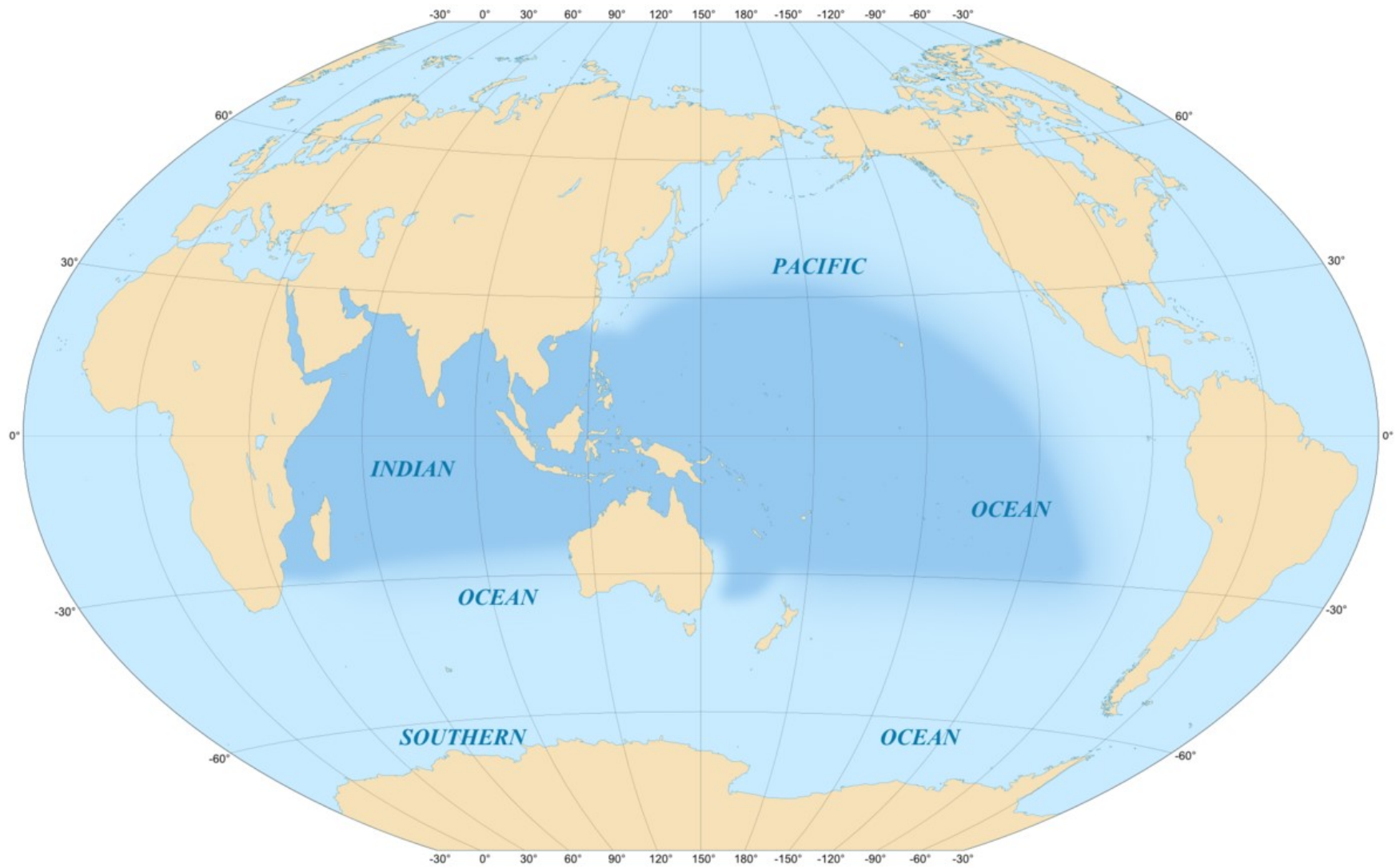
➤ **NEIGHBOURHOOD FIRST POLICY**

➤ **LOOK EAST TO ACT EAST POLICY**

➤ **INDO –PACIFIC POLICY**

➤ **QUADRILATERAL SECURITY DIALOGUE(QSD)- QUAD**

INDO –PACIFIC POLICY



INDO-PACIFIC

TWO OCEANS -ONE GEOGRAPHICAL ENTITY – MARITIME MEDIUM

- **INDIAN OCEAN CONNECTS ATLANTIC & PACIFIC OCEANS**
- **INDIAN OCEAN FOCAL POINT OF INTERNATIONAL SHIPPING LANES**
- **CHOKE POINTS IN IOR**
- **80% OF TRADE IN IOR EXTRA REGIONAL**

- ENERGY TRANSITS EAST ALONG INTERNATIONAL SHIPPING LANES – FROM WEST ASIA, WEST AFRICA -CHINA ,JAPAN ,KOREA
- AGGRESSIVE CHINA HEADING WEST IN TO IOR TO PROTECT HER INTERESTS
- CHINA VIRTUAL INDIAN OCEAN POWER
- WE HAVE INTERESTS IN SOUTH CHINA SEA AND PACIFIC – ASEAN ENGAGEMENT ,TRADE , ENERGY
- PEACE , STABILITY ,ECONOMIC PROSPERITY IN INDIAN OCEAN

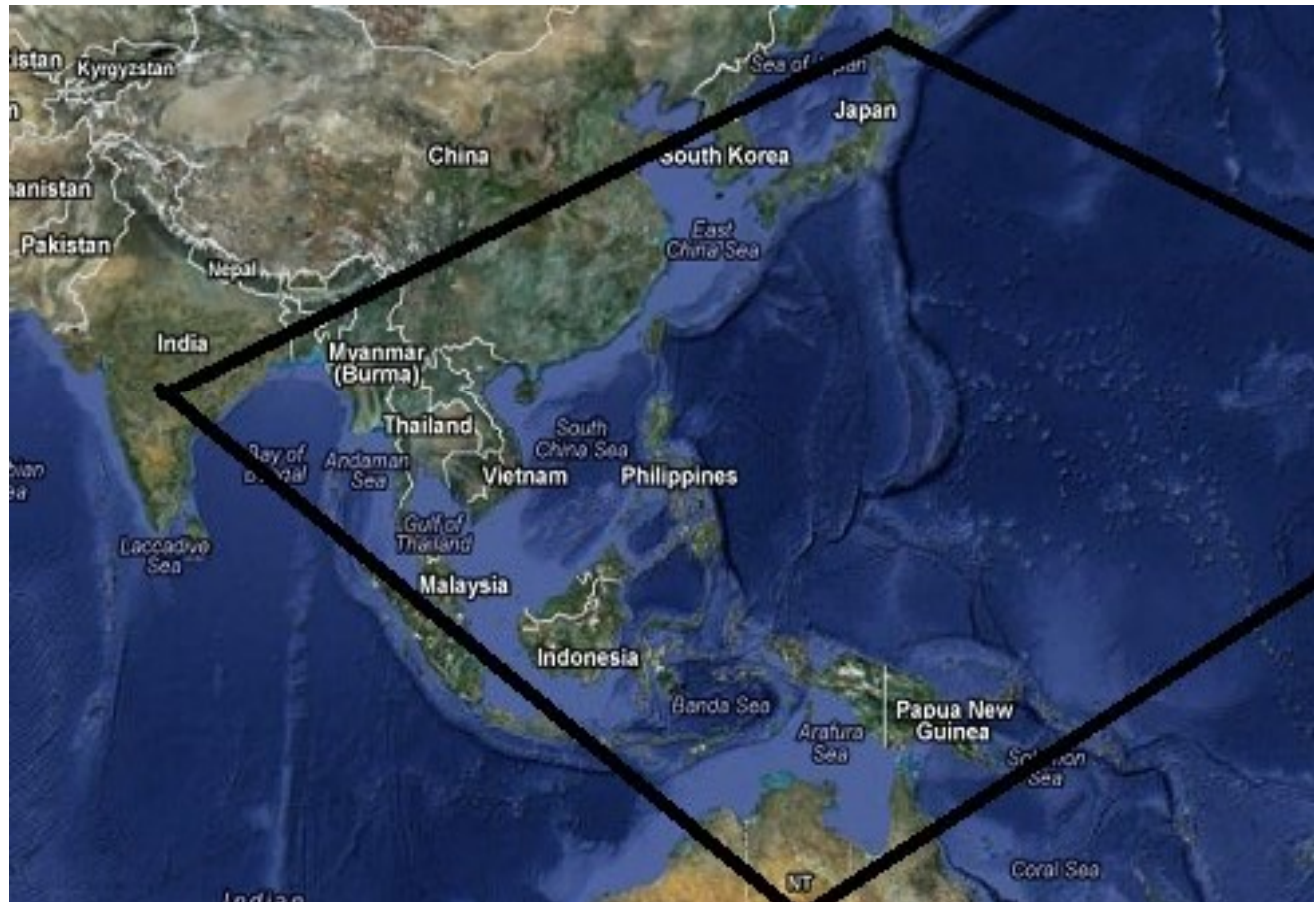
COMMENTS ON INDO- PACIFIC

- FREE , OPEN, PROSPEROUS AND INCLUSIVE INDO-PACIFIC
- RESPECT INTERNATIONAL LAW
- ENSURE FREEDOM OF NAVIGATION,OVERFLIGHT,MARITIME SECURITY & CONNECTIVITY
- RULE BASED ORDER
- EQUAL ACCESS TO COMMON SPACES ON SEA AND IN THE AIR
- ELEPHANT IN THE ROOM IS CHINA

TARGET CHINA



QUADRILATERAL SECURITY DIALOGUE (QSD) –QUAD



QUADRILATERAL SECURITY DIALOGUE /QUAD

- US, JAPAN ,INDIA AND AUSTRALIA -2007
- CHECK THE GROWTH OF CHINESE POWER
- QUAD FELL APART AS AUSTRALIA BACKED OUT IN NOV 2007
- REVIVED A DECADE LATER- 2017

- CHINA - SOUTH CHINA SEA IMBROGLIO
- CHINA'S AGGRESSIVE -ECONOMIC ,DIPLOMATIC ,MILITARY WESTWARD PUSH
- CHINA -PRIMARY CHALLENGE TO INDO- PACIFIC SECURITY
- REINVIGORATION OF QUAD
- QUAD LIKELY TO BE MILITARIZED

ACT EAST POLICY ,INDO-PACIFIC CONCEPT AND QUADRILATERAL SECURITY DIALOGUE (QUAD)'- MARITIME MEDIUM IS THE BACKBONE

- **TRADE , TRANSPORTATION , ENERGY, RESOURCES , BLUE ECONOMY & SECURITY – MARITIME MEDIUM**
- **PRIMACY OF MARITIME FORCES**
- **SHAPING THE MARITIME DOMAIN**

SHAPING MARITIME DOMAIN

- **SHAPING THE MARITIME DOMAIN- PRELUDE TO MARITIME SECURITY**
- **INFLUENCING COUNTRIES AND WINNING FRIENDS**
- **MINISTRY OF EXTERNAL AFFAIRS (MEA)**
- **NAVY – INSTRUMENT OF FOREIGN POLICY**
- **OTHER MINISTRIES AND DEPARTMENTS -MINISTRY OF SHIPPING**
- **MARITIME DIPLOMACY MEANS MORE THAN NAVAL DIPLOMACY**
- **NAVY - ACCESS TO PORT FACILITIES –REFUELLING ,RATIONS,REPAIR ,REST AND RECREATION**
- **ENHANCE REACH AND SUSTENANCE**

MEA –INDIAN OCEAN REGION DIVISION
SMALL ISLANDS DEVELOPING STATES (SIDS)

- ✓ **SRI LANKA . MALDIVES – & SHARE IMBL**
- ✓ **MAURITIUS & SEYCHELLES – NEIGHBOURS- MARITIME CONNECTIVITY**
- ✓ **MADAGASCAR , COMOROS , REUNION - NEIGHBOURS- MARITIME
CONNECTIVITY**

INDIAN OCEAN ISLAND STATES



INDIAN OCEAN ISLAND STATES

- INDIA FIXATED ON PAKISTAN
- EXTRA REGIONAL POWERS LIKE CHINA HAVE CREPT IN
- MODI'S VISIT IN 2015 TO SEYCHELLES, MAURITIUS AND SRI LANKA
- **SAGAR** – SECURITY AND GROWTH FOR ALL IN THE REGION
- **COASTAL SURVEILLANCE RADAR (CSR) NETWORK COMMISSIONED / INITIATED**
- **STRATEGIC INFRASTRUCTURE :**
 - ASSUMPTION ISLAND** IN SEYCHELLES – ?
 - AGALEGA ISLAND** IN MAURITIUS - ?

CHINA IN OUR NEIGHBOURHOOD

➤ **STRING OF PEARLS –GWADAR ,KYAUKPHU,HAMBANTOTA,CHITTAGONG**

➤ **CHINA - HAMBANTOTA --80% STAKE -99 YEARS LEASE**

-COLOMBO PORT CITY PROJECT& ICT

➤ **GWADAR- CHINA GETS OPERATIONAL CONTROL -40 YEARS**

➤ **, CHITTAGONG PORT PROJECT**

➤ **MALDIVES LEASED ATOLLS & ISLANDS TO CHINA -**

-DESPITE CHANGE OF GOVERNMENT , MALDIVES MAY NOT BE ABLE TO SHAKE OFF CHINA

VIEW HUGE DEBT

➤ **FIRST OVERSEAS BASE –DJIBOUTI**





COLOMBO PORT CITY PROJECT

SRI –LANKA SECURITY RISK

70% OF INDIA'S CONTAINER TRAFFIC IS TRANSHIPPED AT COLOMBO IN TERMINALS OPERATED BY CHINESE COMPANIES – BECAUSE INDIA DOES NOT HAVE SUITABLE TRANSHIPMENT PORTS DOWN SOUTH

➤ EXTRA EXPENDITURE

➤ LOSS OF REVENUE

➤ SECURITY RISK

INDIAS'S ACT



REGIONAL PETROLEUM **HUB- TRINCO**

- **ADD TO OUR STRATEGIC RESERVES.**
- **KEEP CHINA & PAK OUT**





KEEP PAKISTAN AND CHINA OUT –OUR SOFT UNDERBELLY IN PALK BAY



SRI LANKA

- INDIA PROVIDES EXTENSIVE TRAINING TO SRI LANKAN FORCES
- TWO ADVANCED OFFSHORE PATROL VESSELS (AOPV) BUILT AT GOA SHIPYARD LIMITED
- JOINT EXERCISE SLINEX
- IMBL PATROL IN PALK BAY
- **COLOMBO EAST CONTAINER TERMINAL**
- AID: 450 MILLION US \$

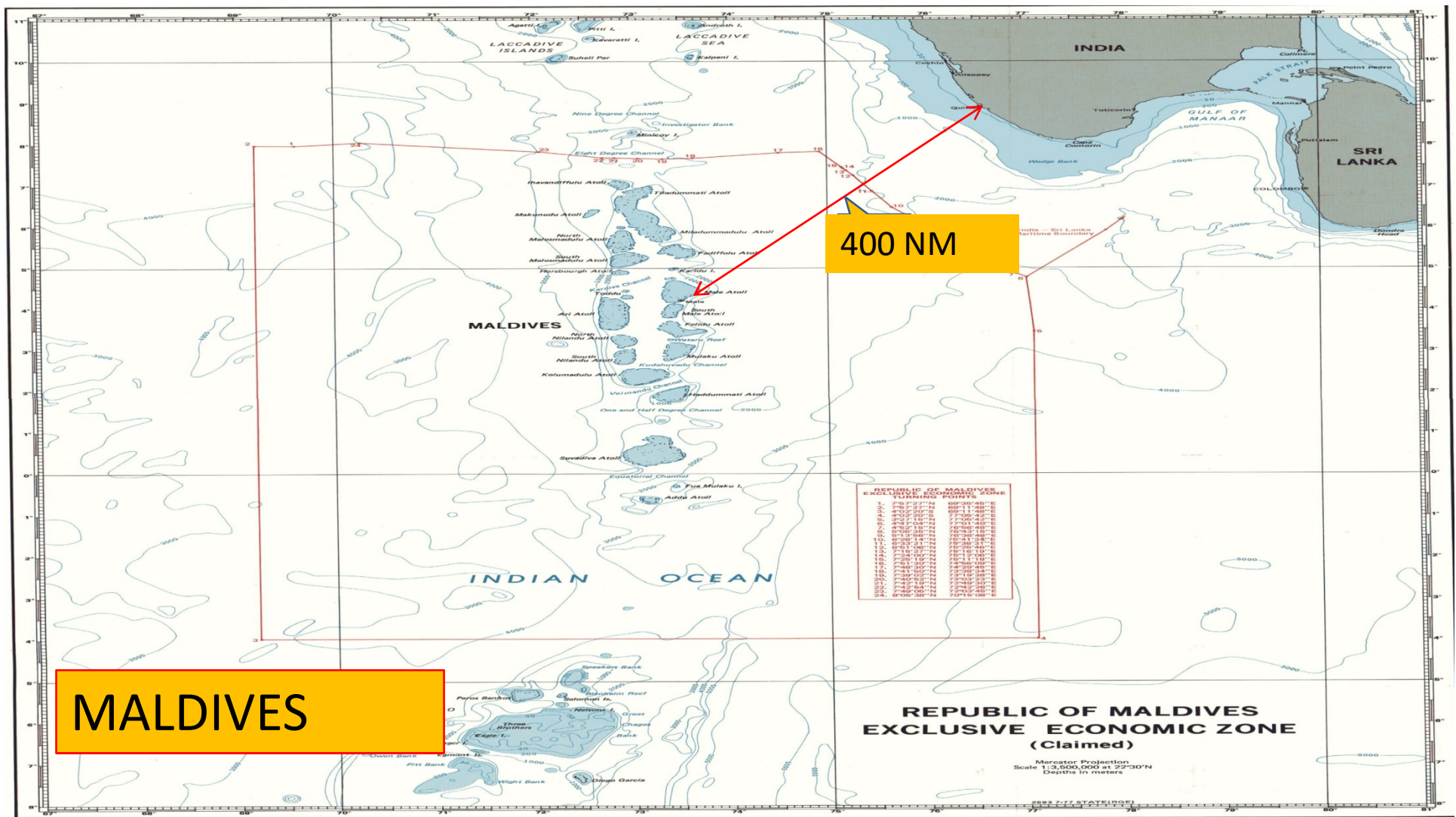


➤ *INDIA'S TRIPARTITE DEVELOPMENT OF COLOMBO EAST CONTAINER TERMINAL (ECT) WITH JAPAN*

➤ *SRI LANKAN PORT WORKERS PROTEST AGAINST PRIVITISATION OF ECT*

➤ *POSSIBLY AT INSTIGATION OF CHINA*

MALDIVES

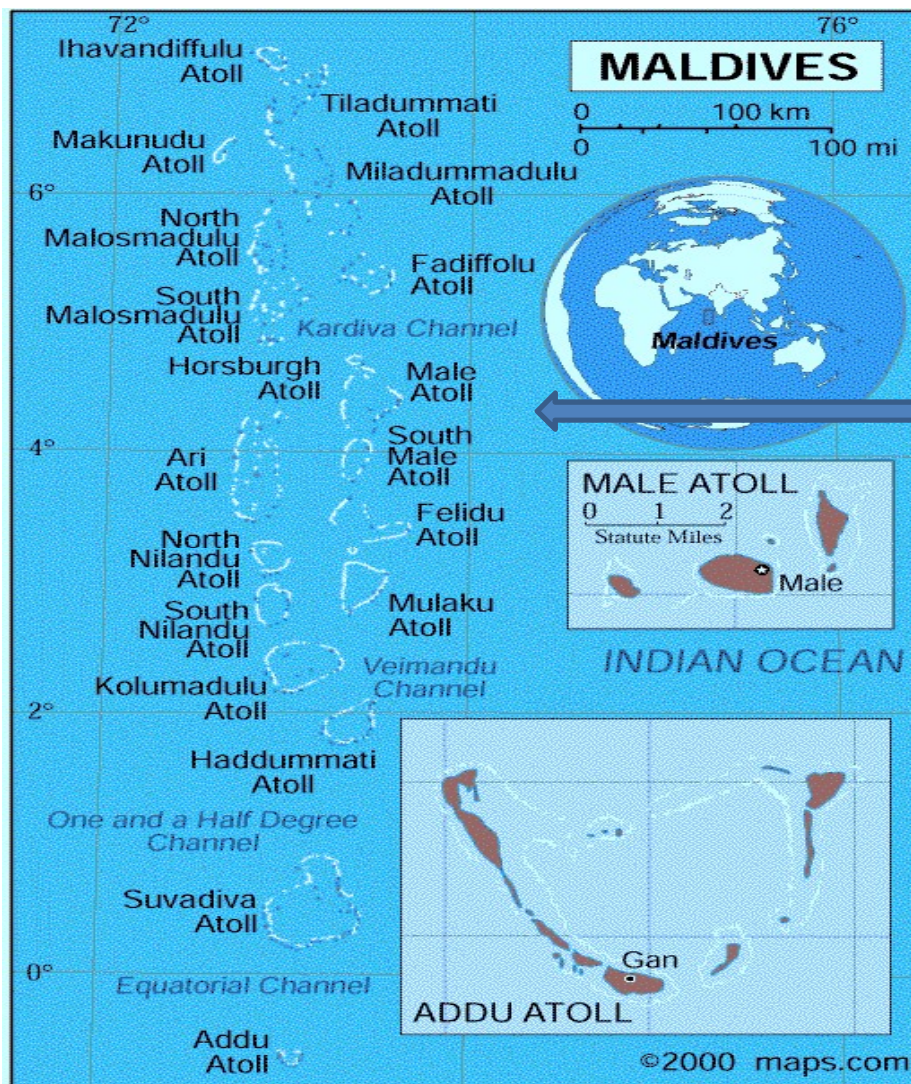


- PAKISTAN RADICALIZING MALDIVES
- SAUDI ARABIA –SPREADING WAHABISM IN MALDIVES
- LARGEST NO OF RECRUITMENT FOR ISIS IS FROM MALDIVES
- CHINA
 - ❖ SEVERAL CHINESE PROJECT
 - ❖ HAS TAKEN OVER SOME ISLANDS

CHINA



CHINA OCEAN
OBSERVATORY

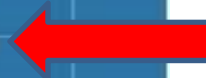


CHINA

SAUDI ARABIA



CHINA



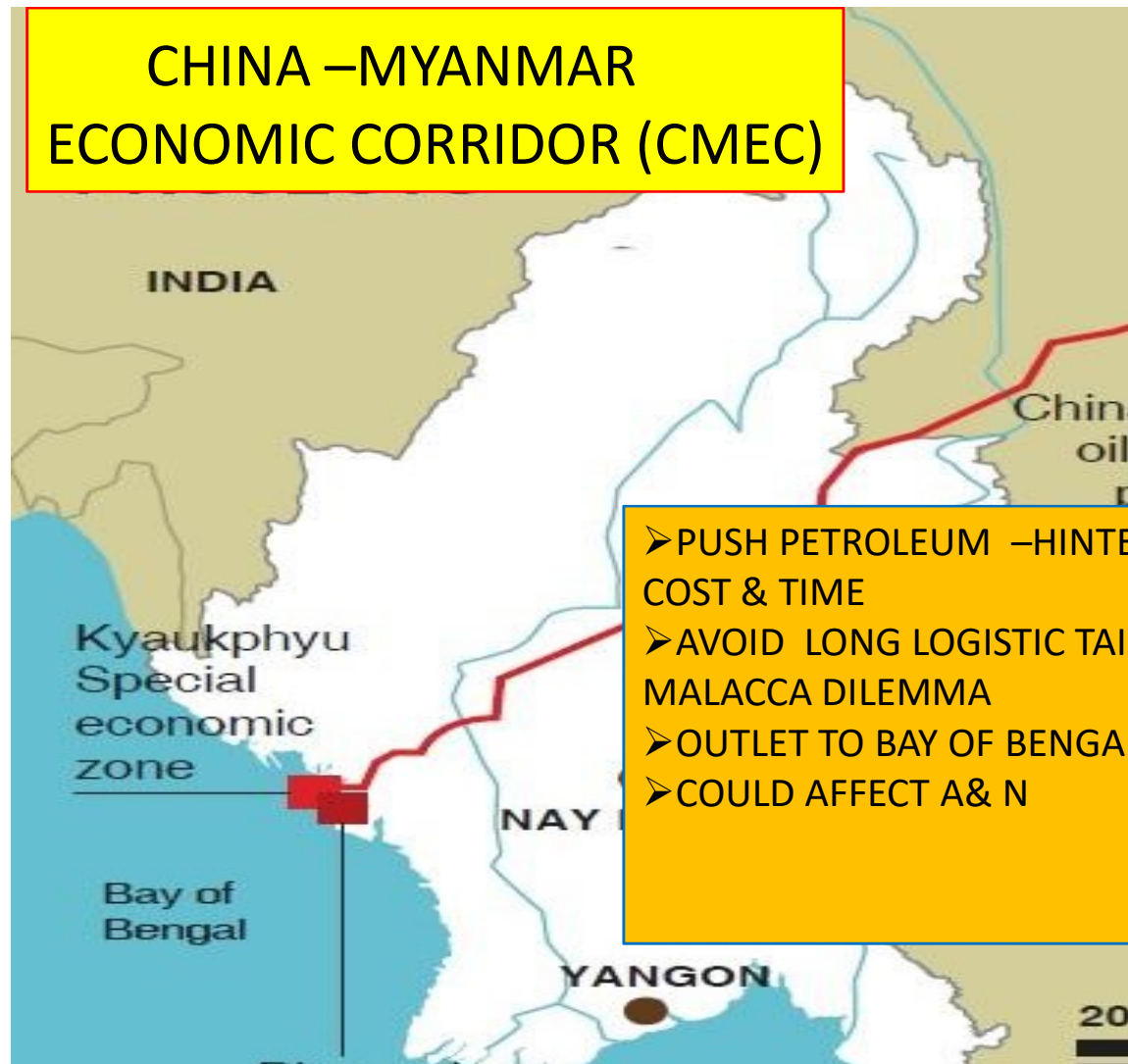
MALDIVES

- NEW PRESIDENT THOUGH PRO- INDIA IS CONSTRAINED BY HUGE DEBTS
- INDIA GIVES -500 MILLION \$ US
- CONSTRUCTION OF 6.7 KM BRIDGE BETWEEN MALE AND THREE OTHER ISLANDS

CHINA –MYANMAR

CHINA- MYANMAR ECONOMIC CORRIDOR(CMEC)

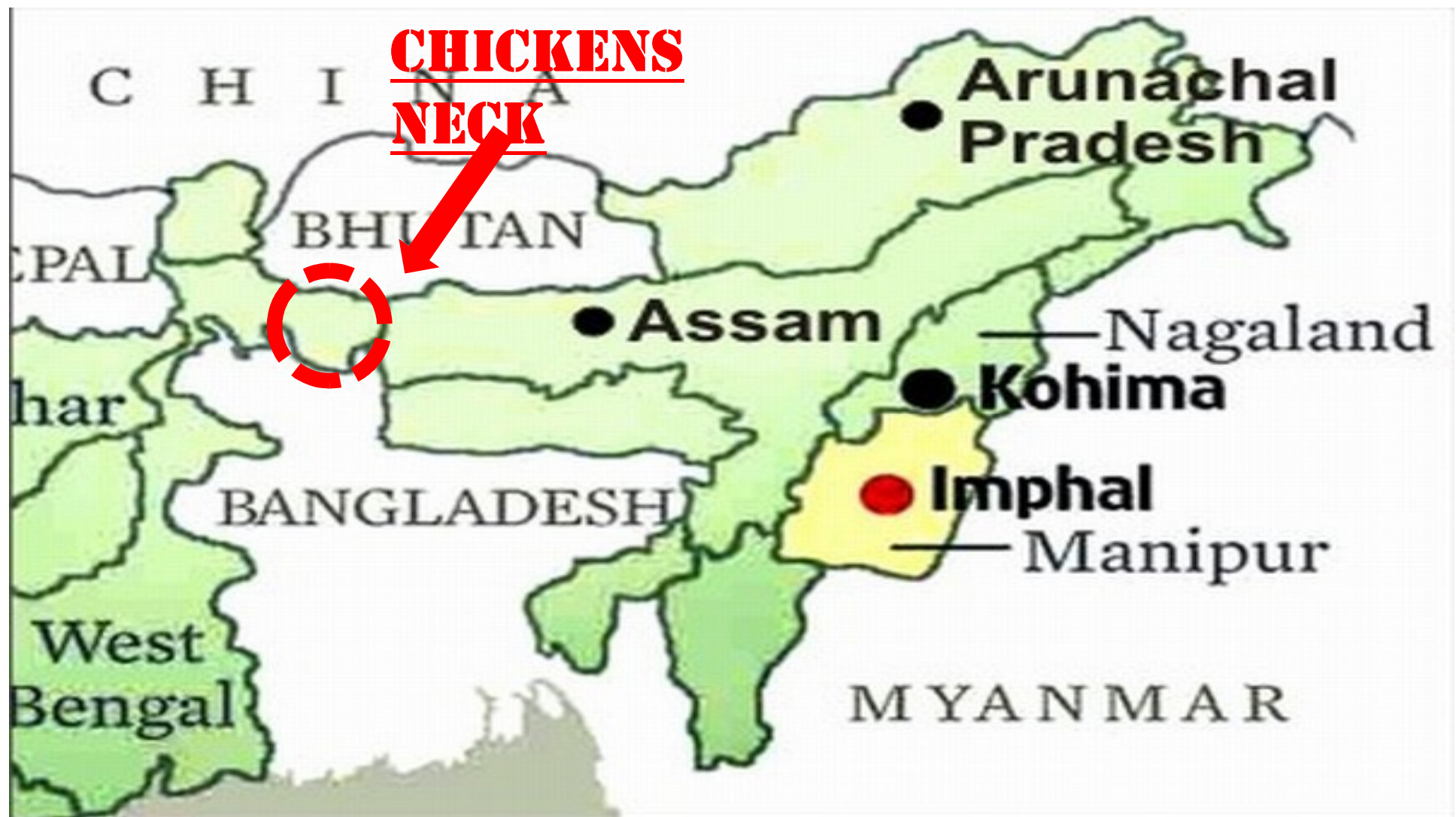
CHINA –MYANMAR ECONOMIC CORRIDOR (CMEC)



- PUSH PETROLEUM –HINTERLAND SAVING COST & TIME
- AVOID LONG LOGISTIC TAIL -OVERCOME MALACCA DILEMMA
- OUTLET TO BAY OF BENGAL
- COULD AFFECT A&N

INDIA –MYANMAR

- DEVELOPING SITTWE PORT
- KALADAN MULTI MODAL PROJECT - **NEVER SEEMS TO FINISH**
- TRAINING –OCEANOLOGY & METEOROLOGY
- SUPPLY OF PATROL CRAFT & EQUIPMENT
- INDO- MYANMAR COORDINATED PATROL(CORPAT)
- WHITE SHIPPING INFORMATION





CHINA –BANGLADESH

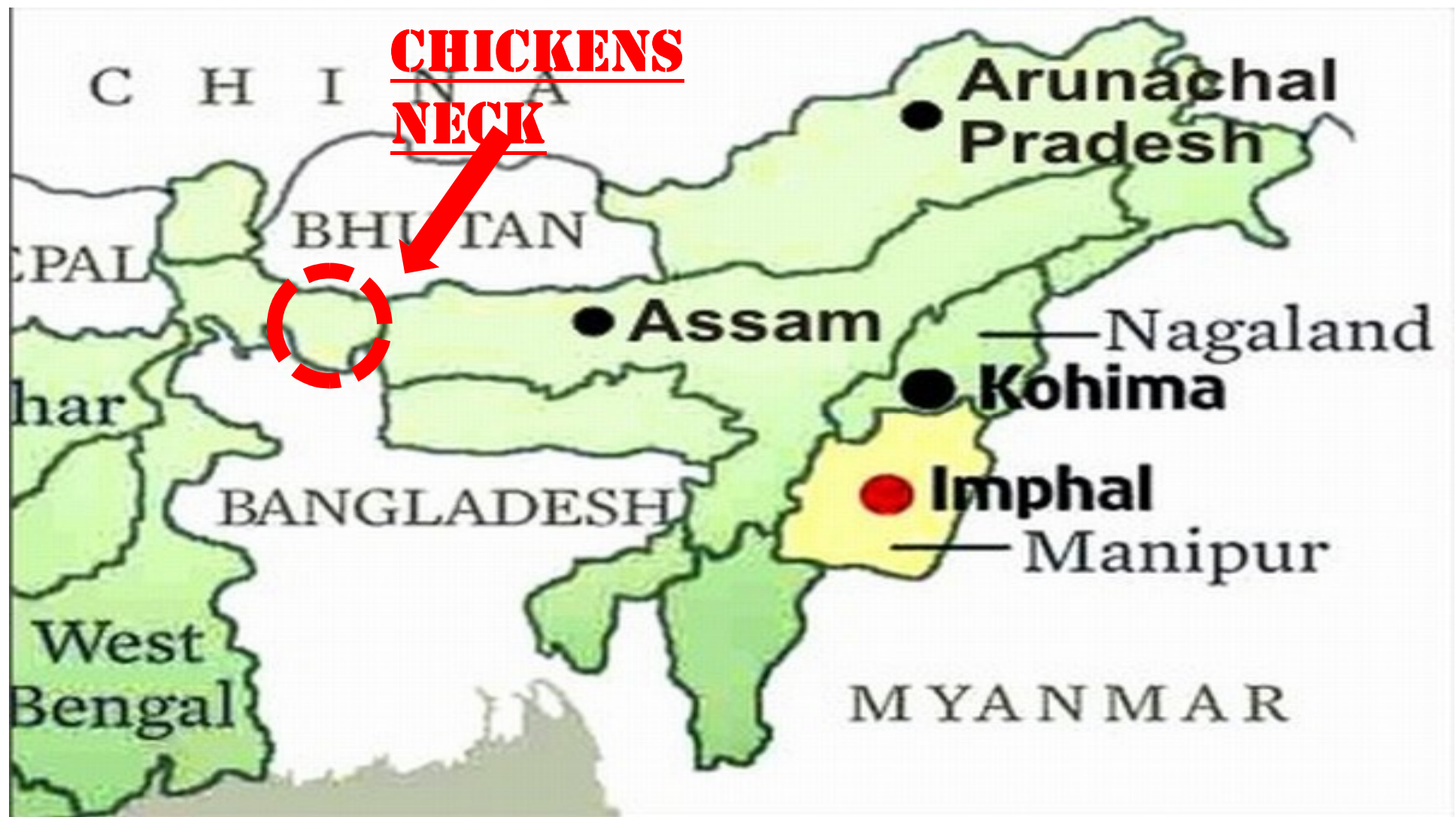
- CLOSE CIVIL & DEFENCE COOPERATION
- CHINA -2 MING CLASS S/M
- CHINA BUILDING SUBMARINE BASE AT KUTUBUDIA ISLAND
- CHITTAGONG PORT PROJECT
- HELPS CHINA KEEP AN EYE ON INDIA



INDIA-BANGLADESH

INDO –BANGLADESH

- **PASSAGE OF LAND BOUNDARY AGREEMENT**
- **RESOLUTION OF MARITIME BOUNDARY THROUGH ITLOS**
- **INDIA –BANGLADESH COORDINATED PATROL (CORPAT)**
- **COASTAL SURVEILLANCE RADARS**
- **DISASTER RELIEF DURING CYCLONES**
- **PM MODI'S VISIT TO BANGLADESH IN 2015**
- **COASTAL SHIPPING AND INLAND WATER TRANSIT AGREEMENTS**



India and Bangladesh for the first time signed transit agreement in November 2010

The two countries signed MoU in 2015 about the use of Chattogram and Mongla ports

Dhaka may charge fees for the Indian goods shipped through Bangladesh and can increase its export volumes too, experts say

From C
Mong
to be tr
border

DAWKI
(MEGHALAYA) VIA
TAMABIL

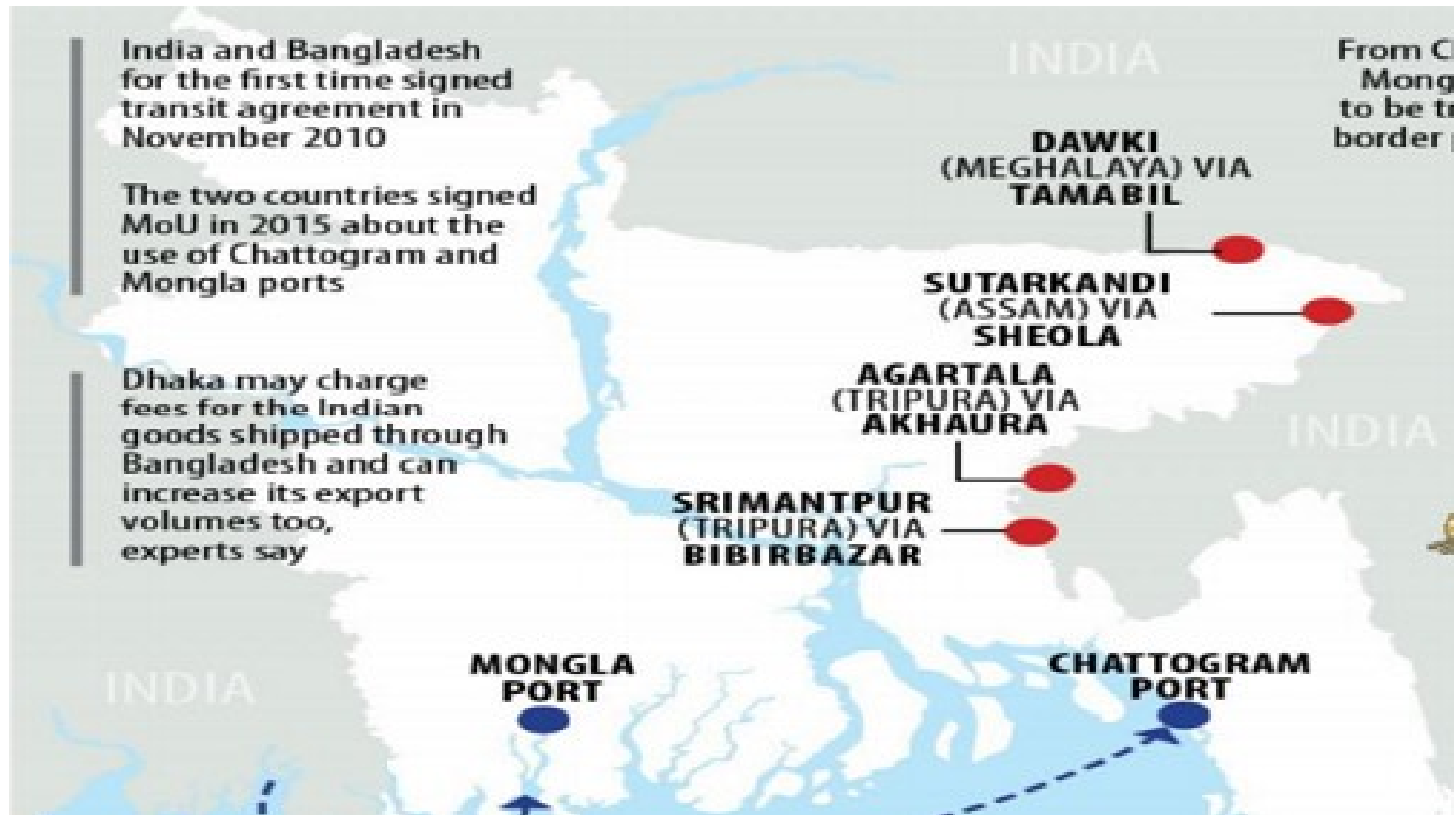
SUTARKANDI
(ASSAM) VIA
SHEOLA

AGARTALA
(TRIPURA) VIA
AKHAURA

SRIMANTPUR
(TRIPURA) VIA
BIBIRBAZAR

MONGLA
PORT

CHATTOGRAM
PORT



PROBLEM AREAS - BANGLADESH

➤ **ROHINGYA CRISIS**

➤ **NATIONAL REGISTER OF CITIZENSHIP & IMMIGRANTS ISSUE**

➤ **SHARING OF TEESTA RIVER WATERS**

✓ **BD APPROACHES CHINA**

✓ **INDIAN FOREIGN SECRETARY RUSHES TO DHAKA**

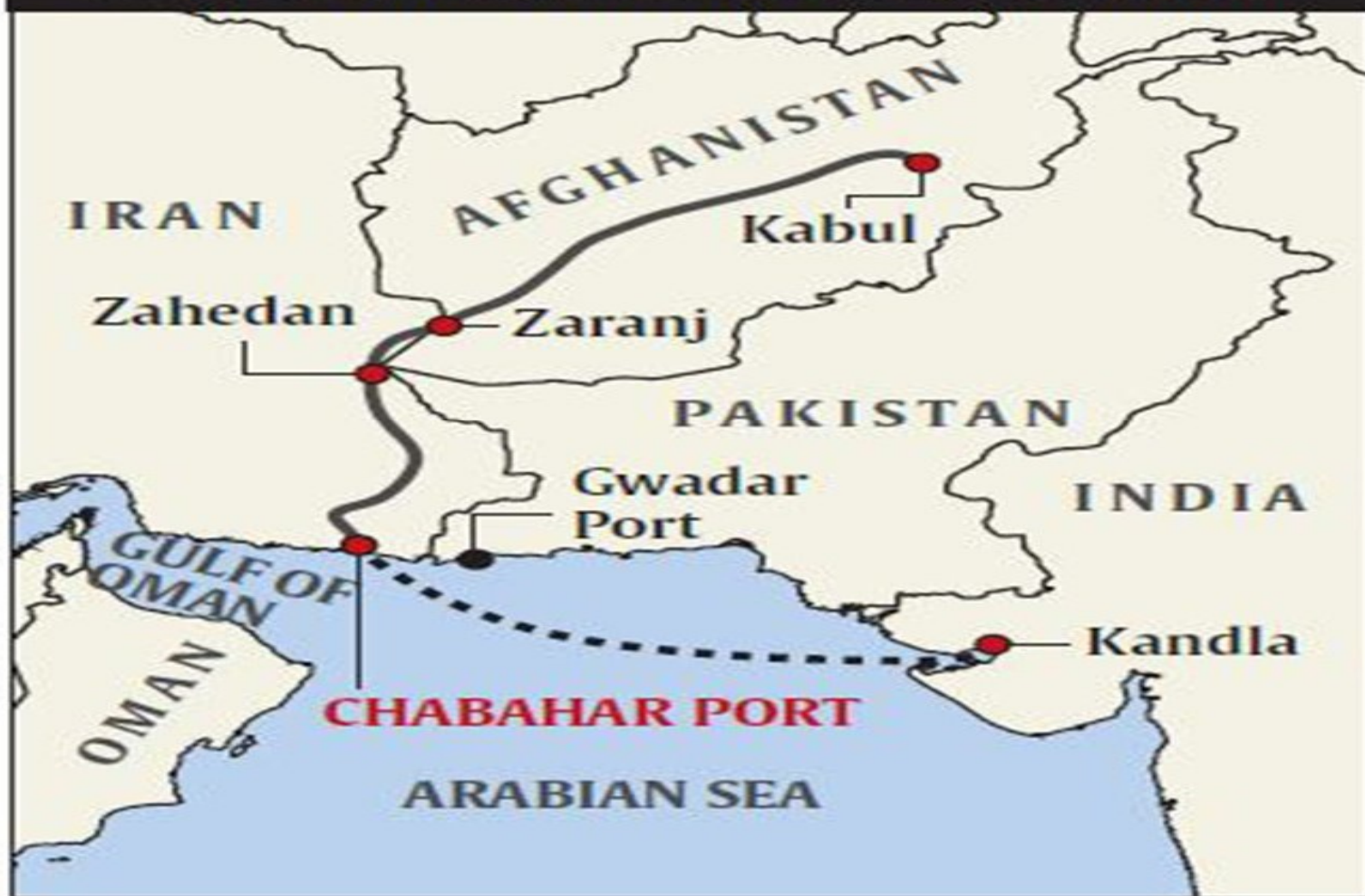
THE WESTERN FRONT



IRAN – CHAHBAHAR

- 'INDIA PORTS GLOBAL' - MANAGES CHAHBEHAR –SHAHID BEHESTI PORT - END 2018
- 80KM FROM GWADAR
- GOODS BY SEA -UNLOADED AT CHAHBEHAR - BY ROAD TO ZARANJ IN AFGHANISTAN
- AND THEN TO CENTRAL ASIAN REPUBLICS (CARS)
- BY PASS GWADAR
- Foothold in Central Asia
- Key to Energy Security & Afghan Policy
- KEY HUB IN INTERNATIONAL NORTH SOUTH CORRIDOR (INST) CORRIDOR

BEING DIRECT: INDIA TO CHABAHAR



OMAN

- INDIAN NAVAL SHIPS -OTR AT SALALAH
- ANTI -PIRACY OPS
- STRATEGIC ACCESS TO DUQM
- DRY DOCK
- CLOSE TO CHAHBAHAR & GWADAR
- CLOSE TO RED SEA /DJIBOUTI

India Eyes Strategic Heft Through

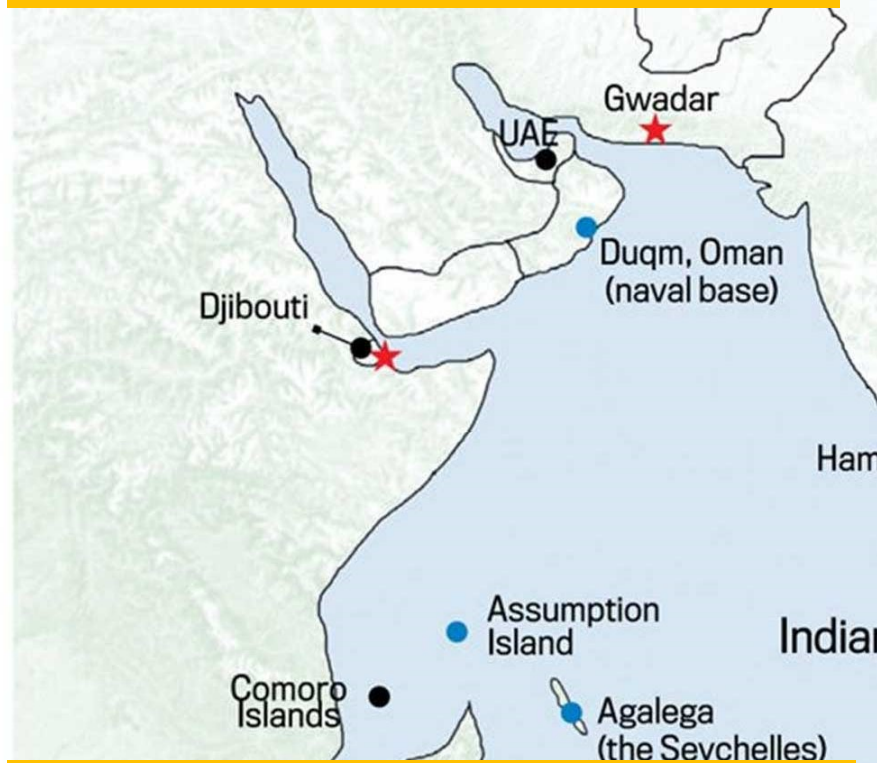




FRANCE –INDIAN OCEAN POWER

- IOR TERRITORIES / BASES - ABU DHABI, DJIBOUTI, REUNION ISLAND , COMOROS ISLAND , MAYOTTE
- LOGISTIC SUPPORT AGREEMENT (LSA) SIGNED
- MUTUAL ACCESS TO BASES
- JOINT DEVELOPMENT OF MARITIME SURVEILLANCE SATELLITE-
MARITIME DOMAIN AWARENESS
- JOINT EXERCISE VARUNA
- FRENCH LIASION OFFICER AT IFC –IOR GURUGRAM

FRENCH BASES IN IOR

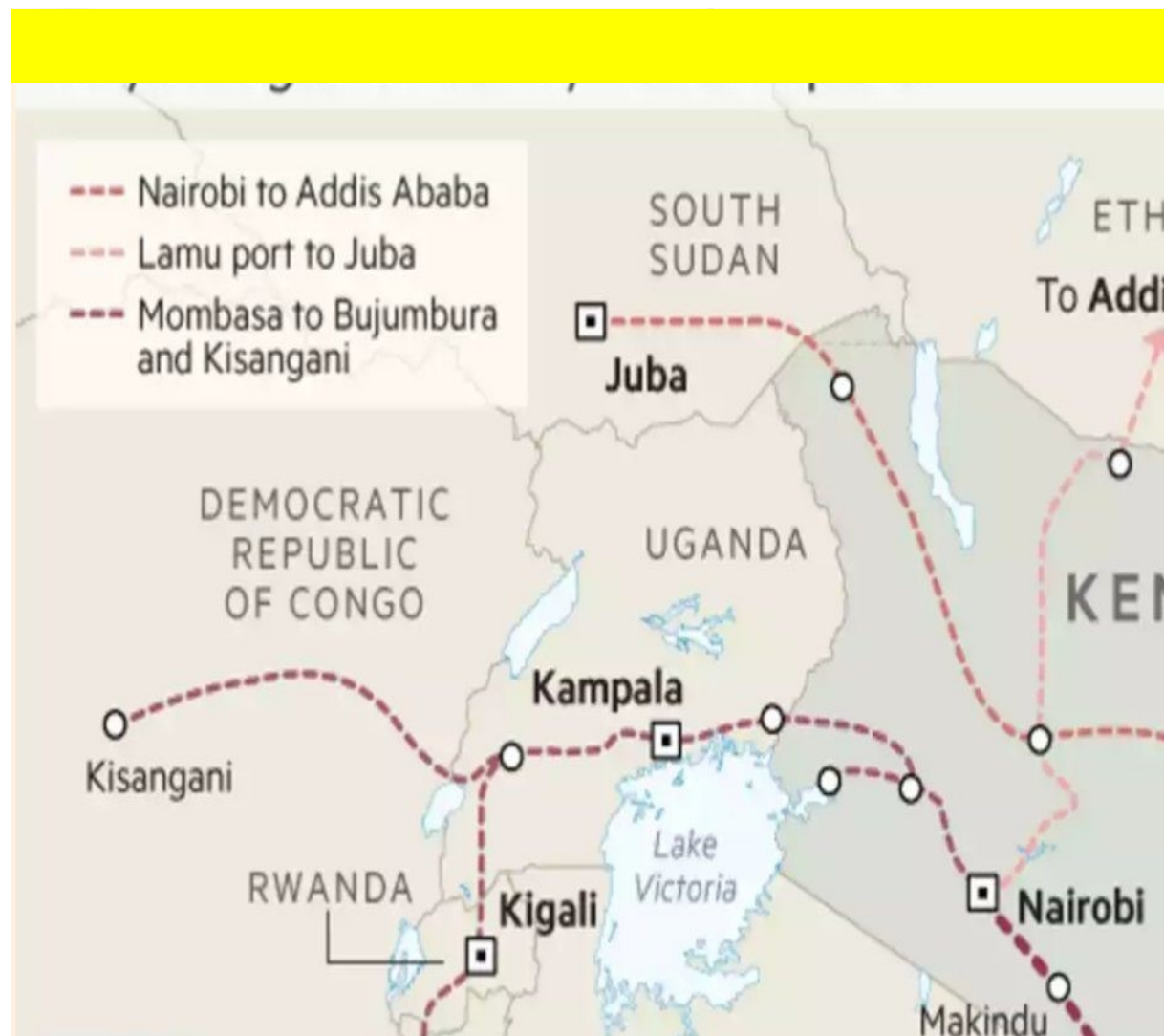


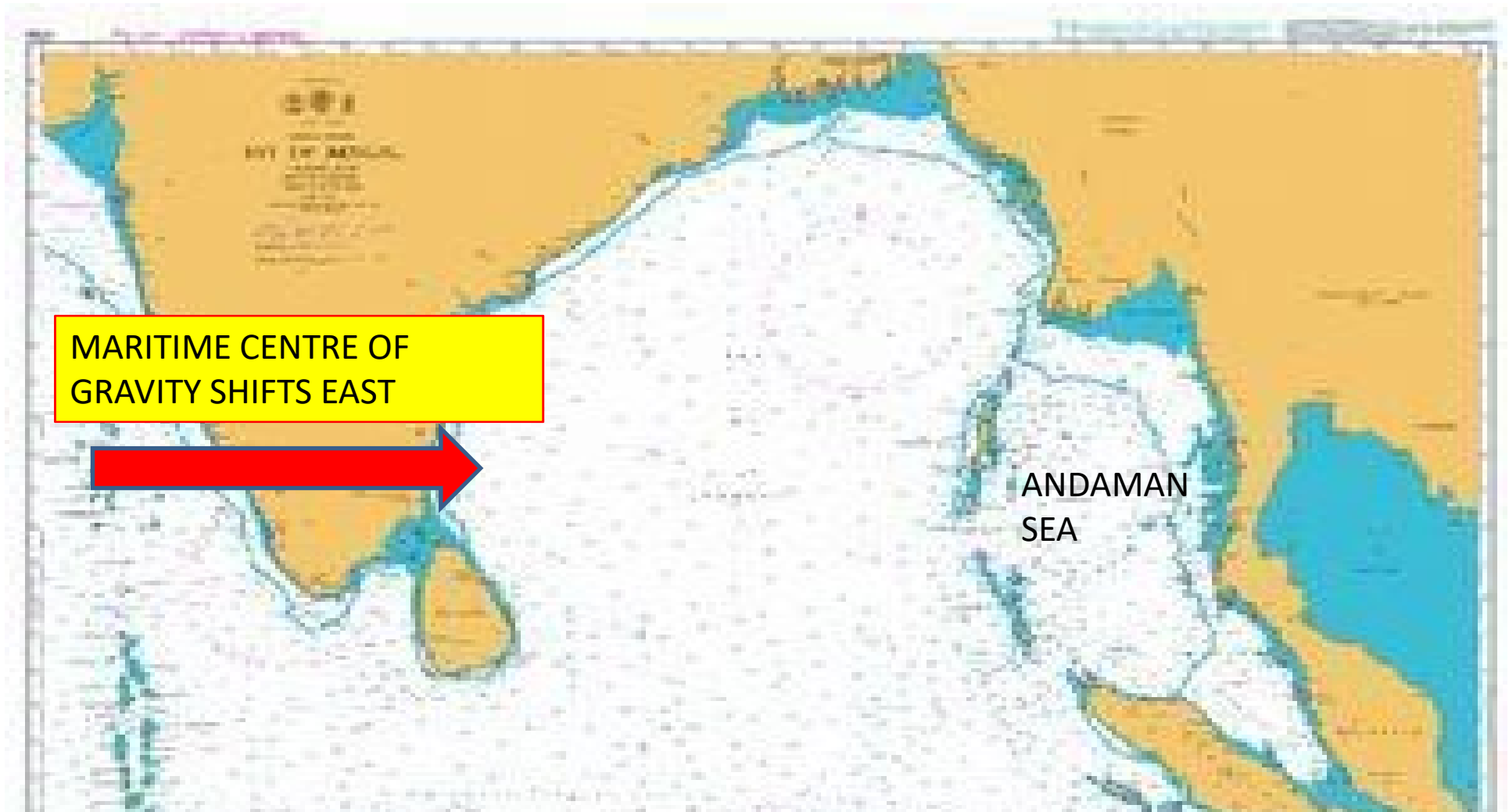
marked in black

UAE

- JOINT NAVAL EXERCISES
- BUILDING OF STRATEGIC OIL RESERVES IN INDIA AND ABU DHABI

EAST AFRICA





MARITIME CENTRE OF GRAVITY SHIFTS EAST

- **BAY OF BENGAL & ANDAMAN SEA – HAVE ASSUMED INCREASED STRATEGIC IMPORTANCE**
- **CHINESE SURGE ,ASYMMETRIC THREATS ,ROHINGYA CRISIS**
- **INDIA'S ACT EAST POLICY MEETS CHINA'S WESTWARD PUSH HERE**
- **THEATRE FOR POSSIBLE CONFLICTS IN THE MARITIME DOMAIN IN THE FUTURE**

ASEAN COUNTRIES

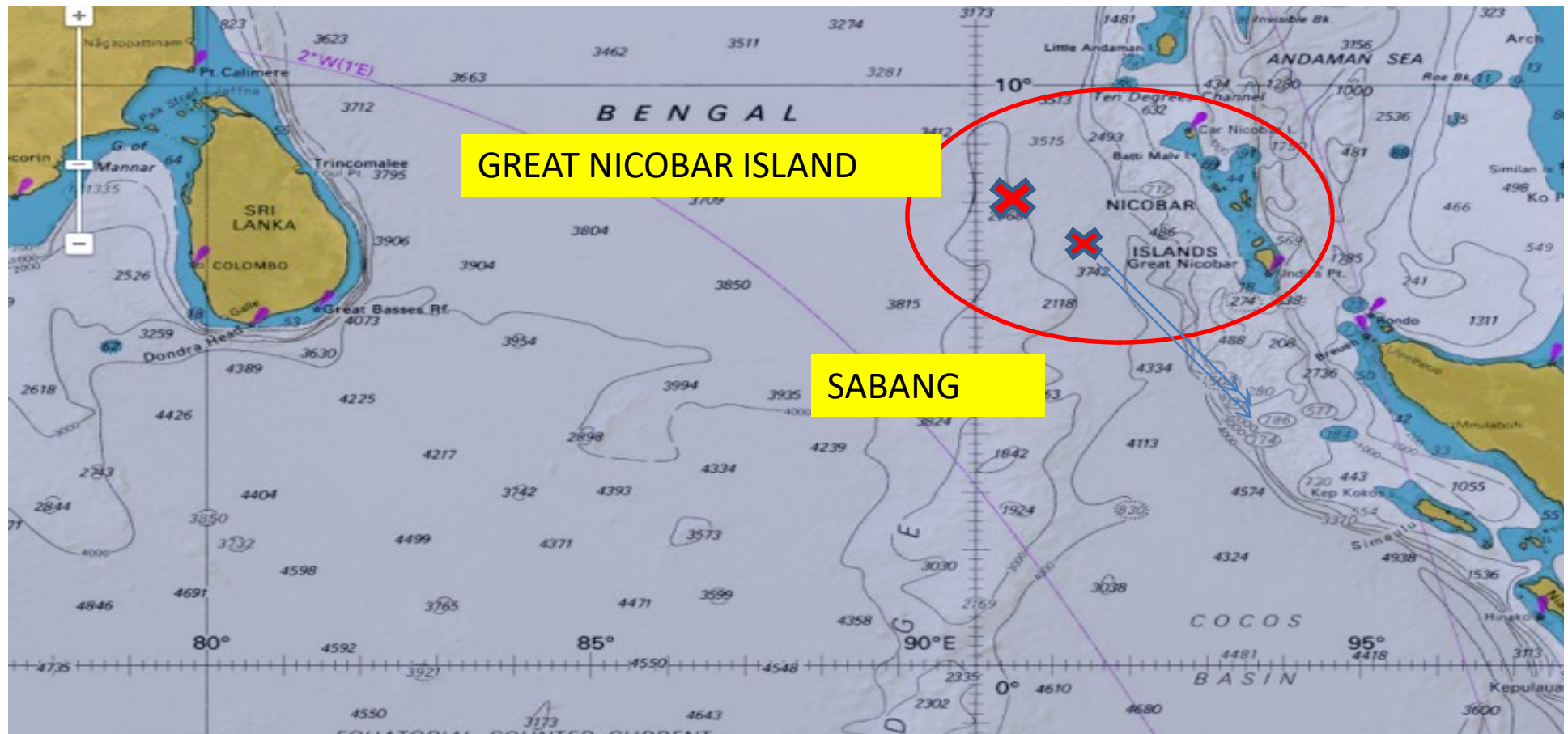


MYANMAR

(DEALT UNDER BAY OF BENGAL COUNTRIES)

INDONESIA

- INDIA & INDONESIA - SHARE INTERNATIONAL MARITIME BOUNDARY LINE (IMBL)
- JOINT BILATERAL EXERCISES – EXERCISE SAMUDRA SHAKTI
- INDONESIA – ACCESS TO SABANG IN ACEH FOR INFRASTRUCTURE AND ECONOMIC PROJECTS .
- SABANG -90 NM FROM INDIRA POINT IN GREAT NICOBAR ISLAND (GNI)
- DEPTH OF WATER 40 METRES
- INDIA PRESENCE ON BOTH SIDES OF MALACCCA STRAITS -ENTRANCE /EXIT



MALACCA FUNNEL

SINGAPORE

- EXERCISE SIMBEX- FOCUS ON ANTI- SUBMARINE EXERCISES
- SINGAPORE ARMY AND AIRFORCE TRAIN IN INDIA DUE LACK OF SPACE IN THEIR COUNTRY
- MARITIME COOPERATION –
 - SINGAPORE - INTERNATIONAL FUSION CENTRE FOR SECURITY OF MALACCA STRAITS
 - INDIAN NAVY 'S INTERNATIONAL INFORMATION FUSION CENTRE , GURGAON NEW DELHI
- OPERATIONAL TURN AROUND (OTR) FACILITIES IN CHANGI PORT FOR INDIA WARSHIPS

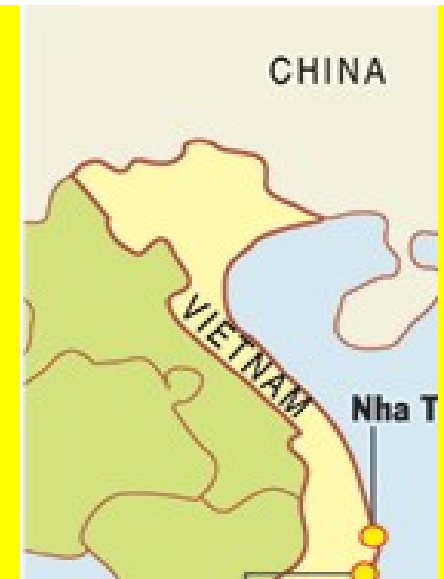
VIETNAM

➤ PILLAR OF ACT EAST POLICY AND CONCEPT OF INDO-PACIFIC

➤ ACCESS TO NHA TRANG PORT

➤ ACCESS TO CAM RANH BAY ?

➤ EXPORT OF 4 PATROL VESSELS



➤ TRANSFER OF BRAHMOS ANTI SHIP MISSILES & AKAASH SAMs- **DELAYED**

➤ TRAINING OF SUBMARINERS - KILO CLASS S/M & PILOTS FOR SU-30 FIGHTERS

➤ ONGC VIDESH LIMITED (OVL) DRILLING IN VIETNAM'S - BLOCK 128 - CONTESTED BY CHINA . SIXTH EXTENSION OF 2 YEARS IN 2019

➤ CHINA HAS FORCED VIETNAM TO CANCEL OFF SHORE DRILLING CONTRACTS OF EU AND UAE - MIGHT IS RIGHT

UNITED STATES OF AMERICA

- **US - ENCOURAGED INDIA TO PLAY LARGER REGIONAL ROLE IN THE REGION- WITH CHINA IN MIND**
- **LOGISTICS EXCHANGE MEMORANDUM OF AGREEMENT (LEMOA) - 2016.**
 - **ACCESS TO DIEGO GARCIA ,GUAM ,DJIBOUTI , SUBIC BAY**
- **COMMUNICATION COMPATIBILITY AND SECURITY AGREEMENT (COMCASA) - 2018**
- **GENERAL SECURITY OF MILITARY INFORMATION AGREEMENT (GSOMIA)**
- **EXEMPTION FROM CAATSA (RUSSIAN S-400) AND SANCTIONS ON IRAN**

UNITED STATES OF AMERICA

- 24TH EDITION OF EXERCISE MALABAR –US & INDIA +JAPAN (2015) IN 2020
- AUSTRALIA IS LIKELY TO BE COOPTED IN TO 'EXERCISE MALABAR'
- INDIAN PARTICIPATION IN EXERCISE RIMPAC
- 2ND EDITION OF 2+2 DIALOGUE LATER THIS YEAR

➤ **DEFENCE EQUIPMENT** - BOEING P81 ,C-130 HERCULES , C-5 GALAXY
TRANSPORT A/C ,INS JALASHWA ,GUARDIAN PREDATOR , SUPPORT FOR
INDIGENOUS AIRCRAFT CARRIER



OTHER COUNTRIES

THAILAND

MALAYSIA

PHILIPPINES – SUBIC BAY - OTR FACILITIES

CAMBODIA-

LAOS

EAST ASIAN COUNTRIES

JAPAN

- **DEEP ENGAGEMENT BETWEEN NAVY AND JMSDF**
- **EXERCISE JIMEX-2015**
- **EXERCISE MALABAR**

- **LOGISTIC SUPPLY AGREEMENT (LSA)**
- **2+2 DIALOGUE CONTEMPLATED IN NOV 2020**
- **QUADRILATERAL SECURITY DIALOGUE (QSD) OR QUAD**

- **CAPACITY BUILDING OF INDO –PACIFIC COUNTRIES**
- **COOPERATION WITH INDIA IN SEA PORTS IN CHAHBAHAR , TRINCOMALLE AND DAWEI**
- **FUNDING FOR PROJECTS IN A& N , NORTH EAST**
- **DISPUTE WITH CHINA OVER SENKAKU ISLANDS**

AUSTRALIA

- EXERCISE AUSINDEX –2015
- PART OF QUADRILATERAL SECURITY DIALOGUE
- POSSIBLE INCLUSION IN EXERCISE MALABAR IN 2020
- MARITIME LOGISTICS SUPPLY AGREEMENT
- AUSTRALIA PUSH BACK AGAINST CHINA RECENTLY

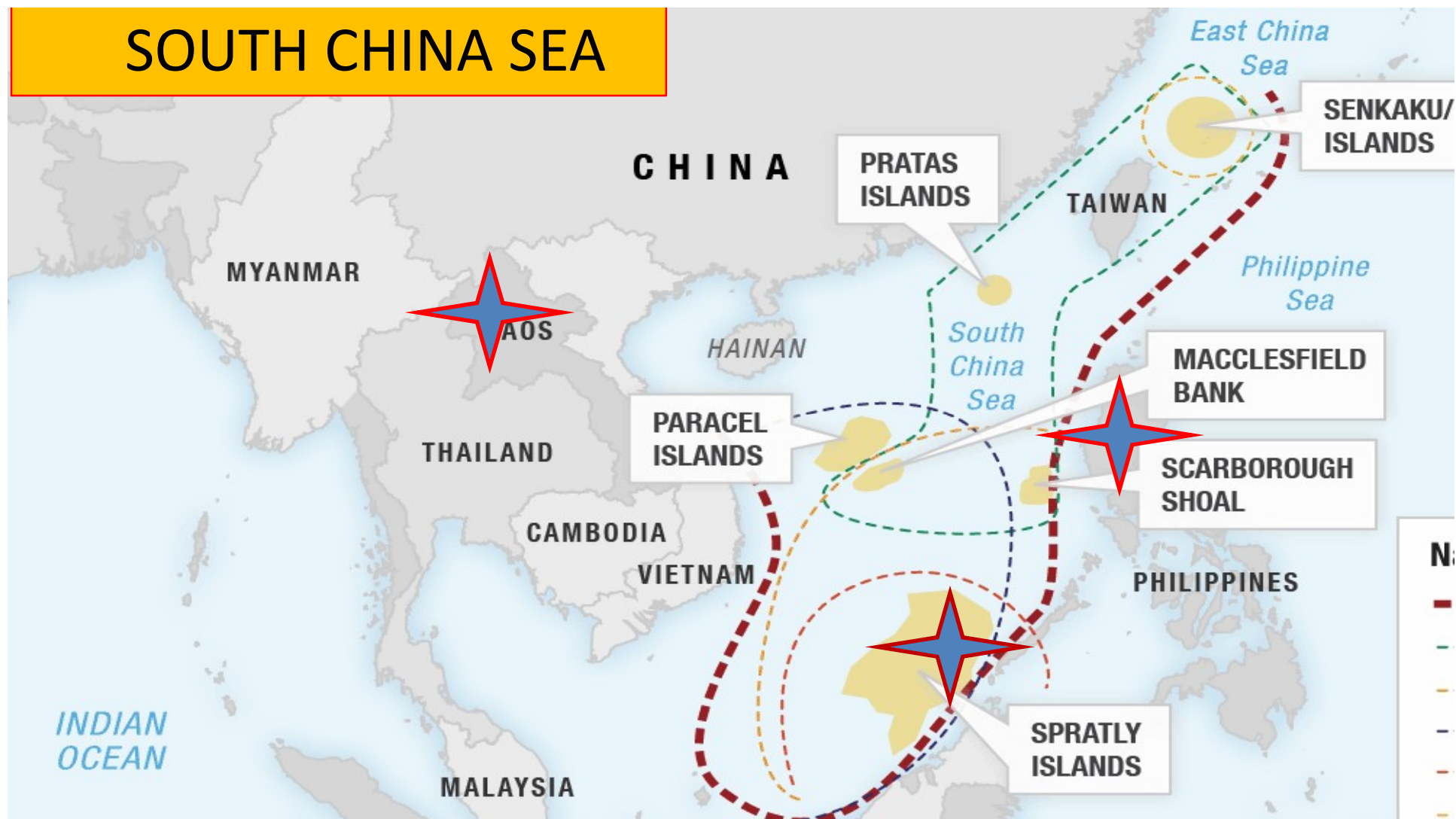
SOUTH KOREA
FIJI ISLANDS

THREATS & CHALLENGES

TRADITIONAL THREATS

CHINA

SOUTH CHINA SEA



SOUTH CHINA SEA DISPUTES

CHINA - DISPUTES WITH SEVERAL NEIGHBOURS OVER ISLANDS IN SOUTH CHINA SEA IN VIOLATION OF UNCLOS- SOVEREIGNTY AND TERRITORIAL ISSUES

**CHINA RECLAIMED AND MILITARIZED SEVERAL ISLANDS IN PARACEL AND SPRATLY GROUP
- AIRSTRIPS , HARBOURS ,FIGHTER JETS AND ANTI SHIP MISSILE BATTERIES**

MIGHT IS RIGHT -DUE CHINA'S ECONOMIC CLOUT AND MILITARY MIGHT

LACK OF UNITY AMONGST ASEAN NATIONS –PHILLIPINES CAPITULATES IN 2016 AFTER UN VEDICT

RECENTLY HOWEVER ALL 10 ASEAN COUNTRIES HAVE TOGETHER OPPOSED CHINA'S ATTEMPT TO TWEAK THE 'COMMON CODE OF CONDUCT' IN ITS FAVOUR



WOODY ISLAND



INDIA'S INTEREST IN SOUTH CHINA SEA

- -NOT PARTY TO DISPUTE IN SCS
- MILITARY MARITIME STRATEGY DOCUMENT 2015 – SCS IS SECONDARY AREA OF INTEREST
- ACT EAST POLICY --ENGAGEMENT WITH ASEAN COUNTRIES
- 55% OF OUR TRADE PASSES THROUGH SCS
- SECURITY OF TRADE FLOW & ENERGY INTERESTS

- INDIA'S ACTIVITIES IN SCS ALSO IN RESPONSE TO CHINA'S ENTRY INTO IOR
- REGULAR OVERSEAS DEPLOYMENT ,PORT VISITS, JOINT EXERCISES IN SCS
- FORWARD PRESENCE

CHINA'S INTEREST IN IOR

- **WORLD'S SECOND LARGEST ECONOMY**
- **CHINA IMPORTS 80% OF HER CRUDE FROM WEST ASIA & WEST AFRICA WHICH PASSES THROUGH IOR .**
- **INDIA GEO- STRATEGICALLY LOCATED TO INTERDICT CHINA'S SLOCs**
- **MALACCA DILEMMA**

CHINESE SURGE INTO IOR ANTI- PIRACY MISSION

- GULF OF ADEN IN 2008 - TO TACKLE PIRACY OFF SOMALIA
- 36th TASK FORCE IN STATION

CHINESE SURGE IN TO IOR

PLA(N) SUBMARINE DEPLOYMENTS

- CONVENTIONAL & SUBMARINE DEPLOYMENTS IN IOR SINCE 2014
- VISITED COLOMBO AND KARACHI
- FOR ANTI PIRACY MISSION ?
- NEXT STOP CHITTAGONG?



BELT AND ROAD INITIATIVE

China's One Belt, One Road





CHINA PAKISTAN ECONOMIC CORRIDOR (CPEC)

- **SEGMENT OF BRI FROM GWADAR TO XINGIANG PROVINCE OF CHINA**
- **87 BILLION US \$ FUNDING**
- **RAIL,ROAD,PIPE LINES ALLOW CHINA IMPORT OF CRUDE IN TO HINTERLAND AVOIDING MALACCA STRAITS**
- **OUTLET TO NORTH ARABIAN SEA**
- **INDIA OPPOSED CPEC SINCE IT PASSES THROUGH OUR TERRITORY IN POK**
- **CHINA DOUBLE STANDARDS - COOPERATES WITH PAK IN POK WHILE WARNING INDIA OF COOPERATING WITH VIETNAM IN OIL& GAS EXPLORATION IN SOUTH CHINA SEA !!!**



GWADAR

- HUB & GATEWAY TO CPEC
- OPERATIONAL CONTROL -40 YEARS
- CHINA PERMANENT PRESENCE
- OVERLOOK HORMUZ
- INDIA-TWO FRONT WAR
- INDIA'S ENERGY SECURITY VULNERABLE

CHINA GIVES PAK

- 8 YUAN CLASS SUBMARINES
- 4 FRIGATES -054A



CHINA SEEKS TO
DEVELOP JASK PORT



CHINA –PAK –GWADAR

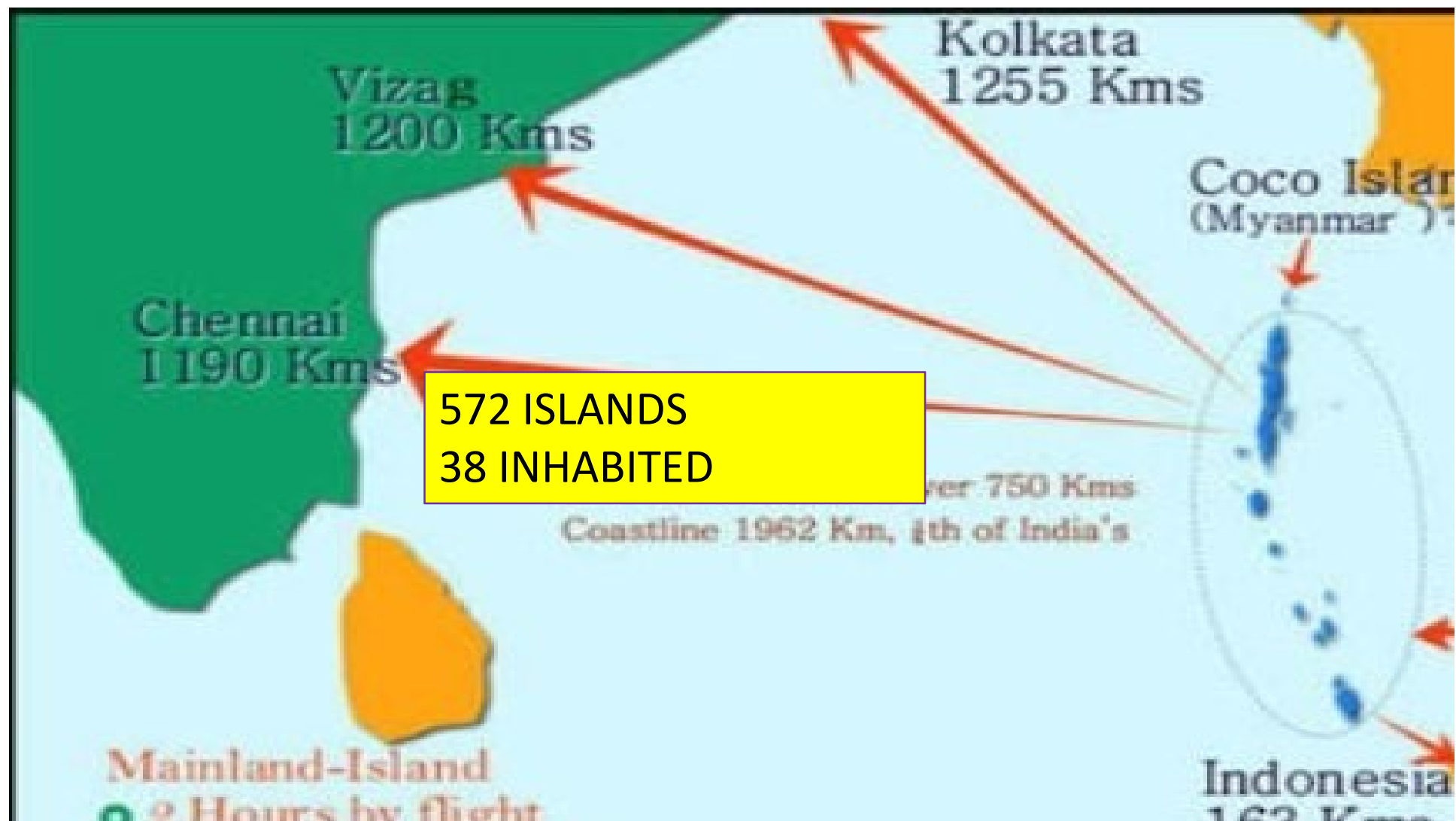
CHINA -IRAN -CHAHBAHAR

CHINA-PAK-IRAN AXIS

TAMING THE DRAGON

ANDAMAN & NICOBAR ISLANDS

- DEFENCE AGAINST CHINA INGRESS LIES IN THE INDIAN OCEAN - **A& N ISLANDS**
- UNSINKABLE AIRCRAFT CARRIER
- INDIA'S GREAT WALL AGAINST CHINA
- SPRING BOARD INTO SOUTH CHINA SEA



➤ CHINA'S ACTING AMBASSADOR DURING SEMINAR IN DELHI IN
2016 - "SOMEBODY COULD CHALLENGE OWNERSHIP OF ANDAMAN
& NICOBAR ISLANDS IN THE FUTURE"

ANDAMAN & NICOBAR COMMAND

- STRENGTHEN EASTERN NAVAL COMMAND
- FURTHER AUGMENTATION OF ANDAMAN & NICOBAR COMMAND (ANC)
- SET UP 3RD FLEET FOR NAVY – BASED IN ANC
- UPGRADE AMPHIBIOUS BRIGADE TO DIVISION CONSIDERING CHINESE MARINES EXPANSION

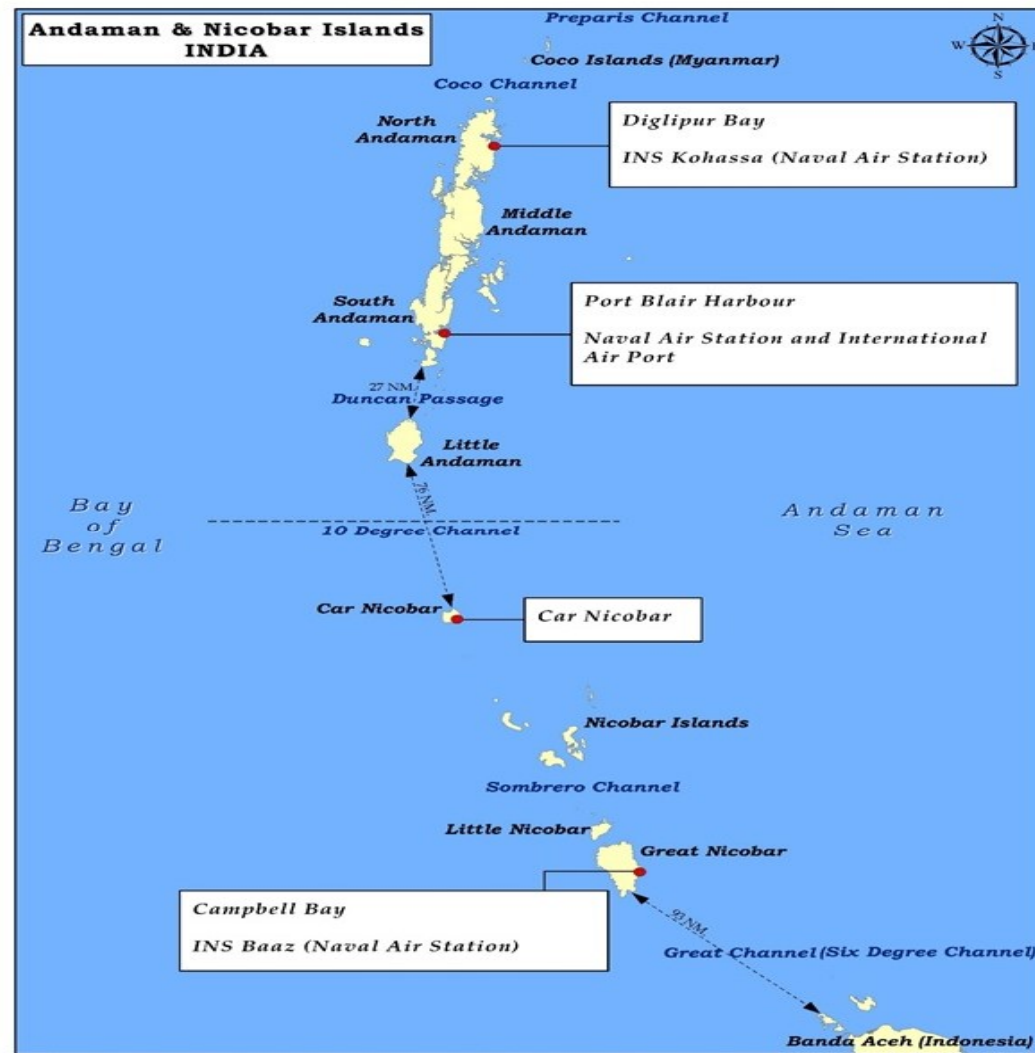
➤ SET UP SUBMARINE BASE

➤ PERMANENT BASING - AIR FORCE ELEMENT –SU -30 AND JAGUAR A/C

➤ PERMANENTLY BASE P8I -POSEIDON BOEING SURVEILLANCE AIRCRAFT

➤ NAVAL AIRSTATION IN DIGLIPUR COMMISSIONED AS INS KOHASSA – FURTHER UPGRADING SCHEDULED

➤ INS BAAZ – AIR BASE -CAMPBELL BAY –GNI- MONITOR MALACCA STRAITS - FURTHER UPGRADING SCHEDULED



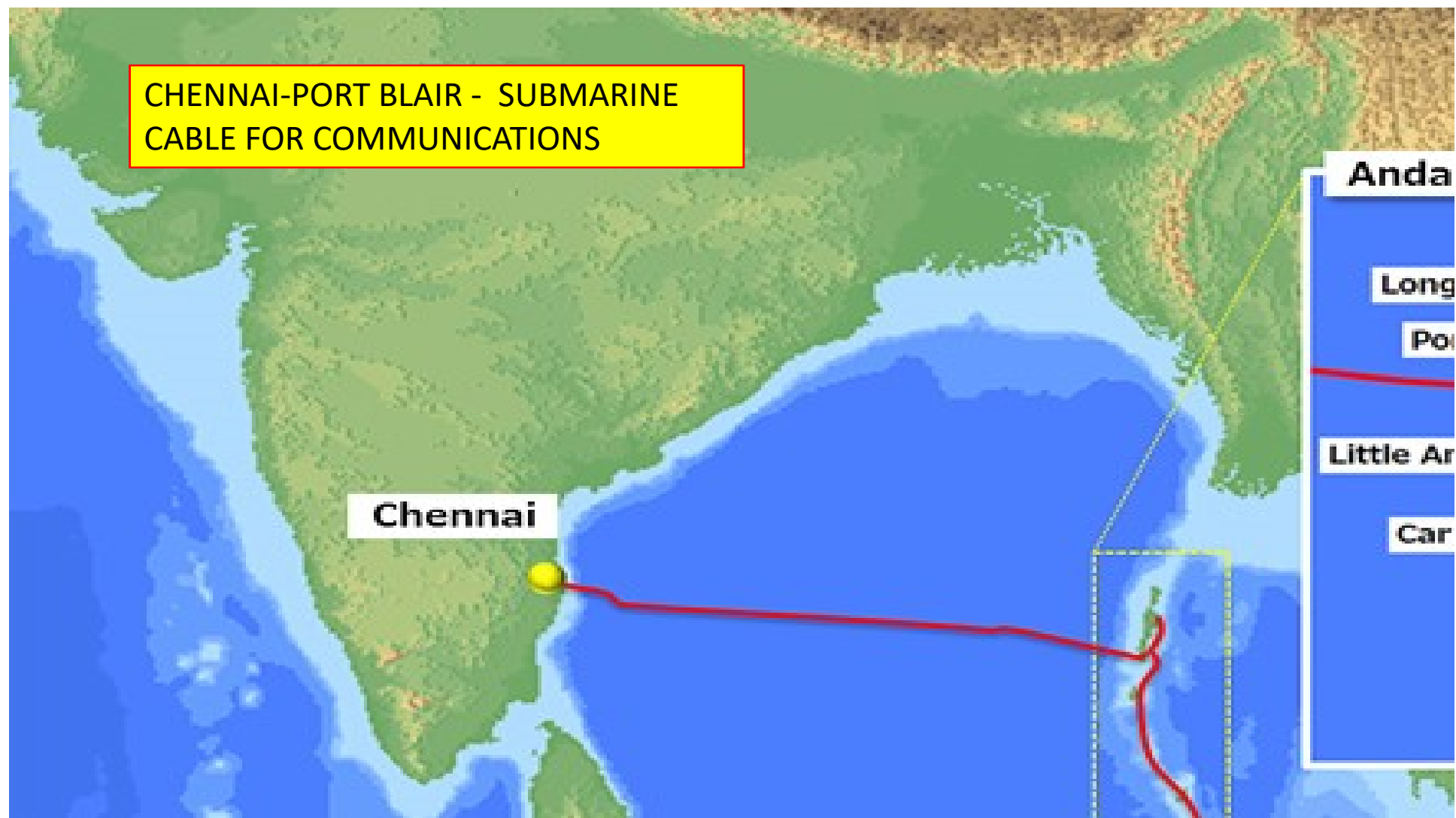
© Manohar Parrikar Institute for Defence Studies and Analyses, GIS Section. Map not to scale.



ANDAMAN & NICOBAR COMMAND

GOVT 10 YEAR DEFENCE PLAN - RS 5650 CRORES

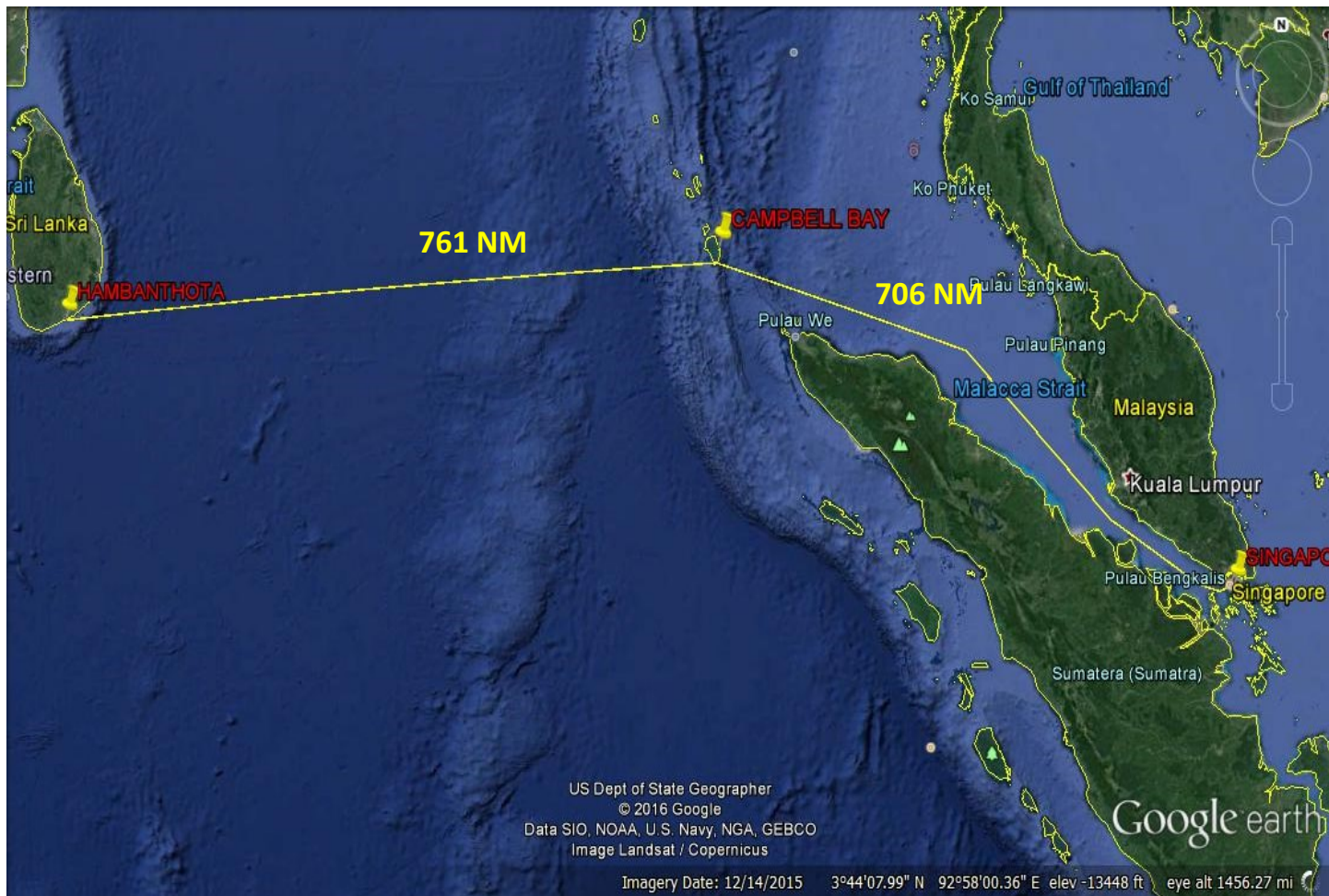
CHENNAI-PORT BLAIR - SUBMARINE
CABLE FOR COMMUNICATIONS

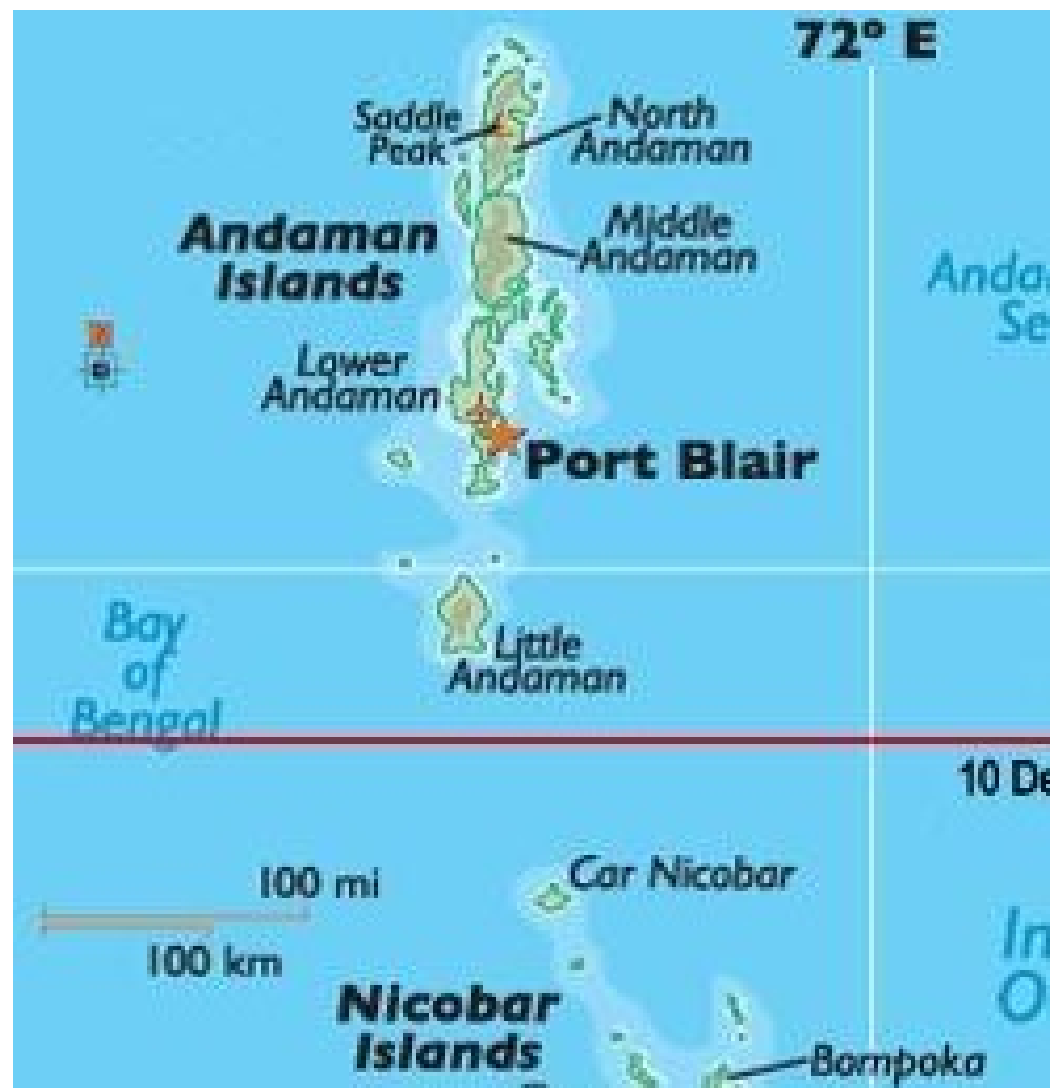


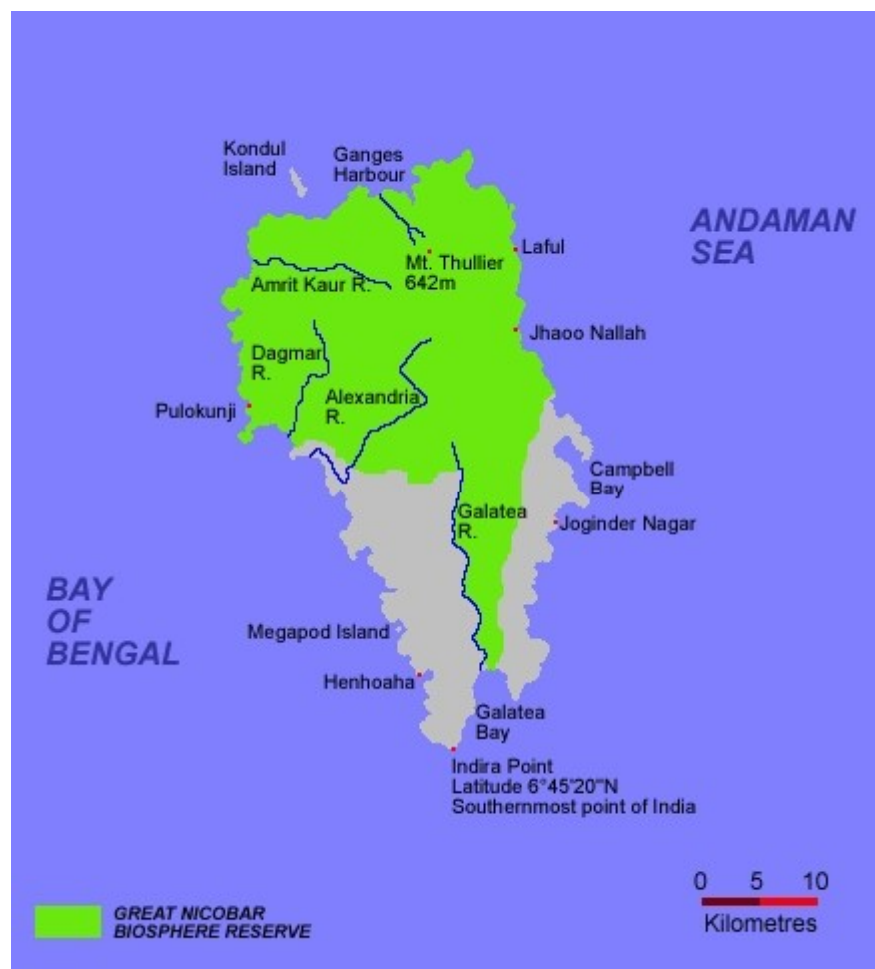
ANDAMAN& NICOBAR ISLANDS

- RS 10,000 CRORES
- TRANS-SHIPMENT PORT –CAMPBELL BAY
- SEZ , TOURISM ETC
- CAMPBELL WHEN READY COULD UNDERCUT COLOMBO
- BUNKERING & SHIP REPAIR FACILITIES,
- UNDERCUT HAMBANTOTA ?
- DEVELOP OUTLYING ISLANDS -UNLIKE OUR LAND BOUNDARIES WHERE WE HAVE BEEN SLOW

CAMPBELL BAY



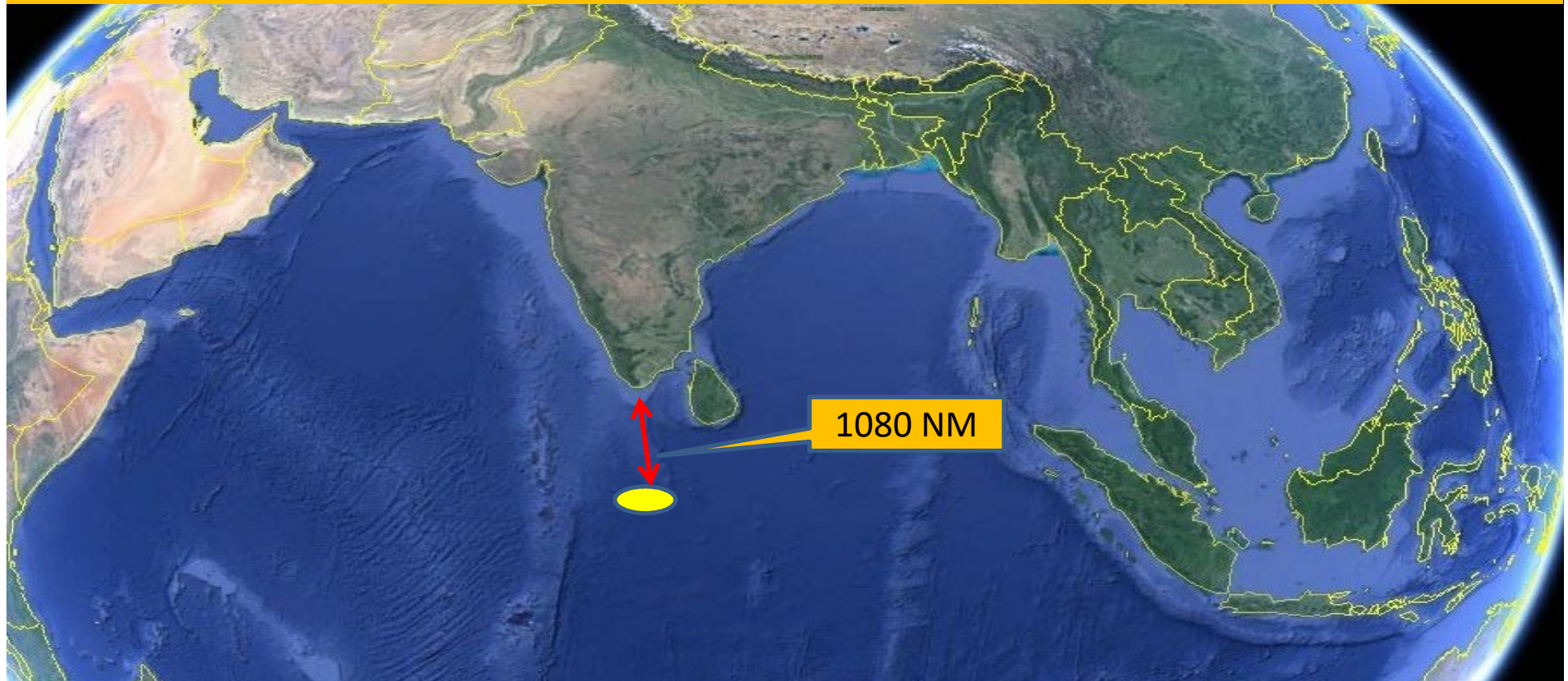




MISCELLANEOUS ISSUES



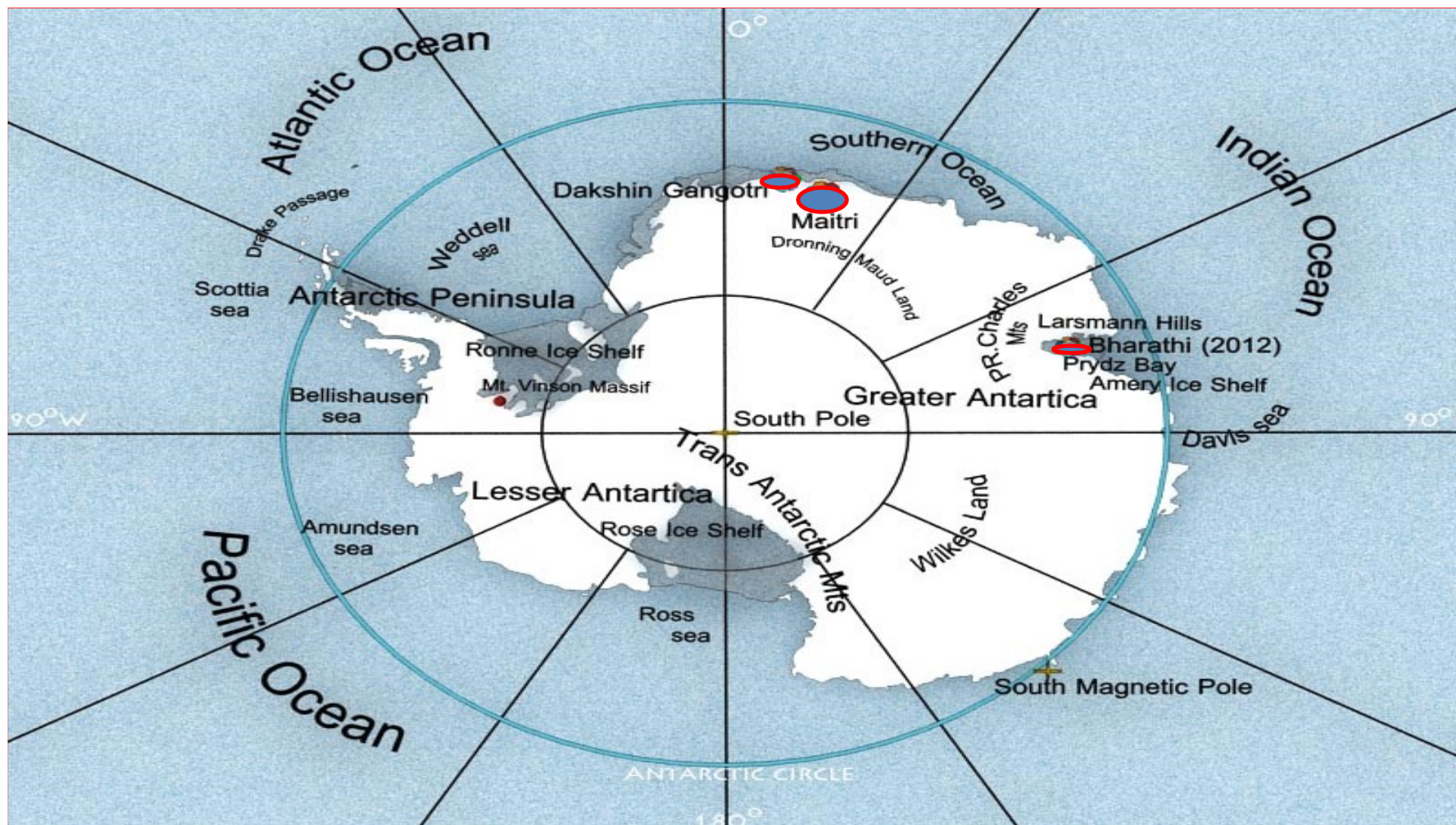
SEA BED ALLOTTED TO INDIA BY ISA FOR MINING











ARCTIC REGION

HIMADRI RESEARCH
STATION



MARITIME COOPERATIVE SECURITY

MARITIME COOPERATION- WHY

- **SHEER SIZE AND EXPANSE OF THE SEA**
- **COST INTENSIVE**
- **TECHNOLOGY INTENSIVE**
- **NO NATION OR NAVY CAN GO IT ALONE**
- **BILATERAL –MULTI LATERAL APPROACH**

MARITIME COOPERATION

- OVER SEAS DEPLOYMENT (OSD)
- PORT VISITS
- JOINT EXERCISES
-
- EEZ PATROL
- ANTI PIRACY PATROL
- COUNTER TERRORISM EXERCISES /PATROL
- SAFETY OF SLOCs

➤ CAPACITY BUILDING

- PATROL CRAFT , HELOs, FIXED WING AIRCRAFT
- SRI LANKA ,MALDIVES, SEYCHELLES , MAURITIUS , VIETNAM

➤ COOPERATION BETWEEN COAST GUARDS

➤ ENHANCING MARITIME DOMAIN AWARENES (MDA)

➤ SHARING OF INFORMATION ON WHITE SHIPPING

MARITIME COOPERATION

- INTELLIGENCE SHARING
- HUMANITARIAN AID DISASTER RELIEF (HADR)
- MARITIME CYBER SECURITY
- NAVAL TRAINING
- HYDROGRAPHIC COOPERATION
- COOPERATION IN BLUE ECONOMY
- COOPERATION IN OCEAN SCIENCES TECHNOLOGY

HUMANITARIAN ASSISTANCE AND DISASTER RELIEF(HADR)

FIRST RESPONDERS IN INDIAN OCEAN

- 2004 - TSUNAMI
- SEARCH FOR MH 370
- DRINKING WATER CRISIS IN MALE
- OP RAHAT – 960 FOREIGNERS FROM 41 COUNTRIES

OP SAMUDRA SETHU

INS JALSHWA
INS AIRAVAT
INS SHARDUL
INS MAGAR

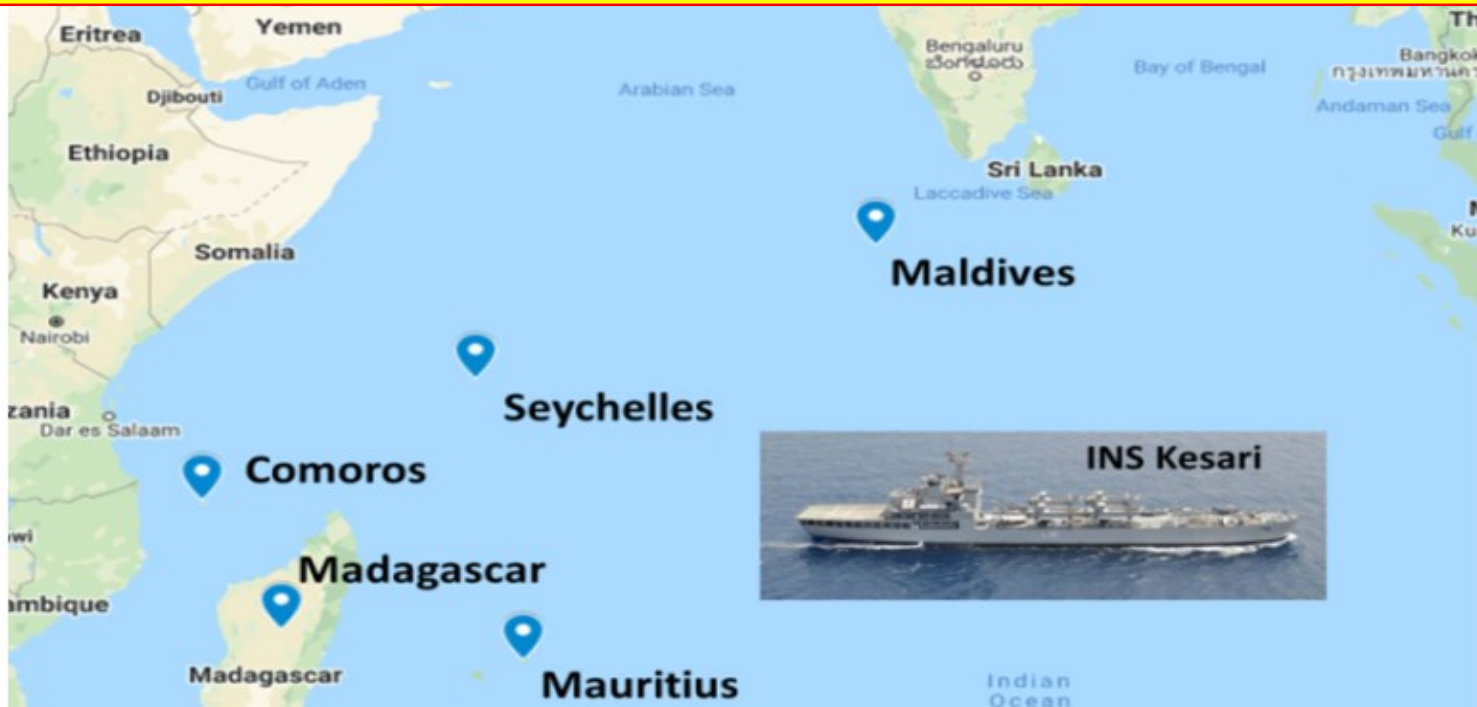
POST COVID 19
REPATRIATION -4000 INDIANS

MALDIVES
BANDAR ABBAS –IRAN
COLOMBO

23,000KM



MISSION SAGAR



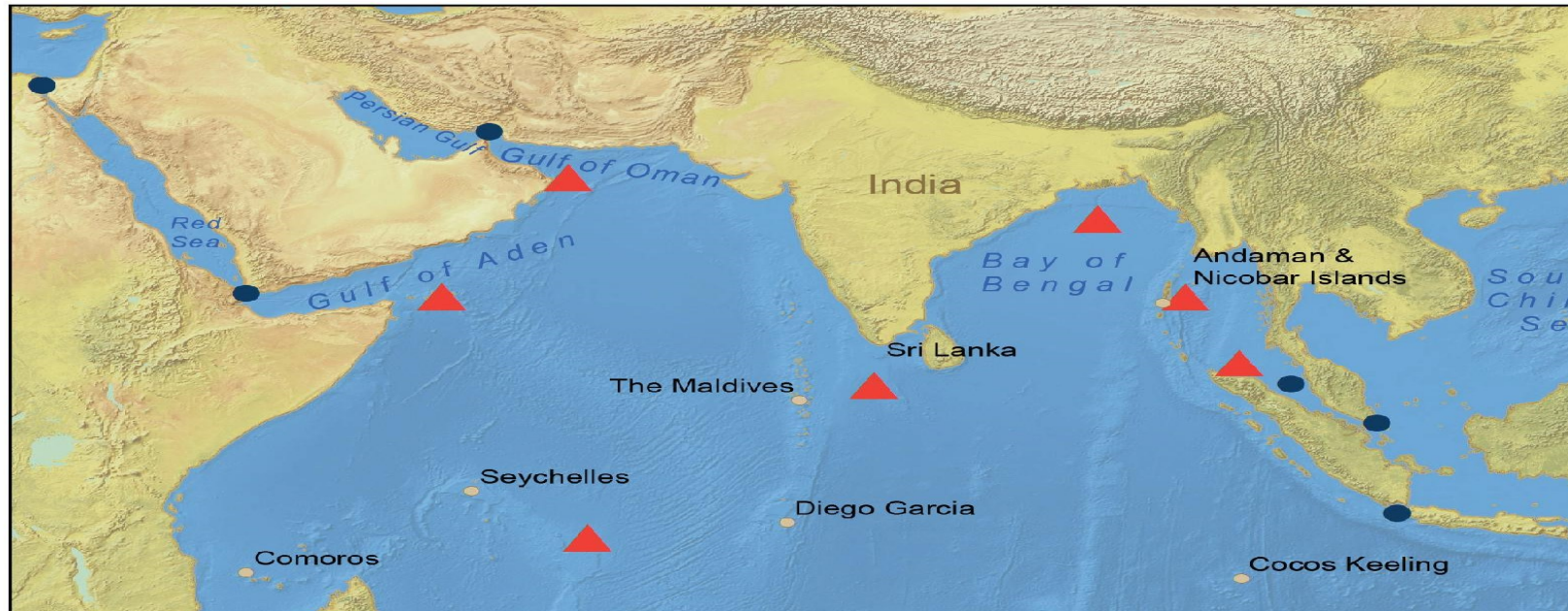
1. ASSISTANCE TO FIGHT COVID -19
2. 540 TONS OF MEDICINES AND FOOD MATERIAL- 5 ISLAND NATIONS
3. MEDICAL TEAMS

JOINT EXERCISES

- SIMBEX – SINGAPORE
- KONKAN - UK
- INDRA - RUSSIA
- VARUNA - FRANCE
- SLINEX- SRI LANKA
- AUSINDIA – AUSTRALIA
- JIMEX - JAPAN
- NASEEM AL BAHAR – OMAN
- MALABAR - INDIA US JAPAN
- SAMUDRA SHAKTI -INDONESIA
- COORDINATED PATROL(CORPAT)
- THAILAND
- MYANMAR
- INDONESIA
- BANGLADESH

POST GALWAN

Indian Navy's Mission-Based Deployment



INDIAN NAVY'S MISSION BASED DEPLOYMENT

CONCLUSIONS & RECOMMENDATIONS

- NAVY SPEARHEADING COOPERATIVE SECURITY
- MARITIME COOPERATION - CIVILIAN AGENCIES NEED TO DO MORE
- BESIDES WARSHIPS – PROVIDE CIVILIAN SHIPS OF ABOUT 1000 TONS - RO-RO CAPABILITY - CARRY PEOPLE , CARGO ,WATER ,FUEL – CONNECTIVITY
- ENCOURAGE INDIAN COMPANIES TO BID FOR MARITIME PROJECTS ABROAD LIKE CHINA . L& T , INDIA PORTS GLOBAL ETC
- SET UP FOREIGN COOPERATION AGENCY FOR BETTER EXECUTION BY MEA OF PROJECTS ABROAD

CONCLUSION AND RECOMMENDATIONS

- NOT JUST QUAD
- MILITARISATION OF QUAD
- QUAD PLUS +
- 'JOINT PATROL' IN SCS
- EMPHASISE CENTRALITY OF ASEAN IN 'QUAD'
- REASSURE ASEAN NATIONS WHO ARE KEEN TO SEE INDIA PLAY GREATER ROLE IN SCS
- *HELP ASEAN NATIONS IN CAPACITY BUILDING*
- *ENGAGE ASEAN COUNTRIES MORE EFFECTIVELY- WALK THE TALK ON OUR PROMISES- OUR PROJECTS GENERALLY TOO LITTLE AND TOO LATE*

CHINA

- MIGHT IS RIGHT
- 9 NINE DASH LINE ARBITRARY
- CHINA DISREGARDS UN TRIBUNAL RULING
- POLICY OF DIVIDE & RULE – SCS COUNTRIES
- CHINA AGGRESSIVE & BELLIGERENT – LADAKH , SCS , TAIWAN , HONG KONG , BHUTAN , TAJAKISTAN
- DENIAL & OBFUSCATE
- COVID-19 & CHINA - HAS UNITED SEVERAL NATIONS
- NASCENT ANTI CHINA COALITION

DEALING WITH CHINA

- AFTER GALWAN -SHED RETICENCE , TIME FOR DEFERENCE AND SOFT APPROACH IS OVER . DISTRUST & VERIFY
- BUILD ON **NEIGHBOURS FIRST POLICY**
- WE MAY NOT BE ABLE TO MATCH CHINA'S DEEP POCKETS & CHEQUE BOOK
DIPLOMACY. HIGHLIGHT DEBT TRAP
- CHINA EVOKES FEAR , WHILE INDIA IS SEEN AS A BENIGN POWER
- GEOGRAPHY IS WITH INDIA ,CHINA SEEN AS A EXTRA REGIONAL POWER
- HIGHLIGHT CHINA'S SOUTH CHINA SEA INTRANSIGENCE AND BRI PROBLEMS
- EXPOSE DOUBLE STANDARDS

DEALING WITH CHINA

- HIGHLIGHT CHINA'S FLAWED STAND ON UNCLOS WHICH COULD UNDERMINE UNCLOS 82 AND GOOD ORDER AT SEA
- PUSH CHINA TO WORK WITHIN RULE BASED INTERNATIONAL LAW
- PUSH CHINA TO AGREE TO EQUITABLE COMMON CODE OF CONDUCT IN SCS
- LEVERAGE TAIWAN AND TIBET ISSUES
- HIGH LIGHT MALTREATMENT OF UIGHYUR MUSLIMS
- PUSH FOR DEMOCRACY FOR HONG KONG

WISHING YOU FAIR WINDS AND CALM SEAS

MAY LORD VARUNA , THE LORD OF THE SEAS ,ALWAYS BE WITH YOU .



THANK YOU

INDIA-CHINA RELATIONS

- CHINA - SETTLED LAND BOUNDARIES WITH ALL 14 NEIGHBOURS EXCEPT INDIA
- OPPOSES INDIA'S MEMBERSHIP OF NSG
- VETOED RESOLUTION AGAINST MAZOOD AZAR
- OPPOSES INDIA'S MEMBERSHIP OF UN SECURITY COUNCIL

NAVAL MUSCLE

- 140 SHIP NAVY ,3 AIRCRAFT CARRIERS (VIKRAMADITYA, VIKRANT , VISHAL)
- 40 MORE SHIPS BEING BUILT
- 1 +2 NUCLEAR SUBMARINES – CHAKRA ON LEASE FROM RUSSIA , ARIHANT AND ARIDHAMAN
- 12 X P8 -I BOEING SURVEILLANCE A/C
- RUKMINI –NAVAL COMMUNICATIONS SATELLITE
- GUARDIAN UAVs FOR MARITIME SURVEILLANCE
- STRATEGIC BOMBERS FROM RUSSIA
- POOR SUBMARINE FORCE LEVELS - JUST 13

MALAYSIA

- TRAINING ON SCORPENE SUBMARINES
- TRAINING OF SU 30 PILOTS
- SUPPORT FOR OPERATION AND MAINTENANCE OF SU -30
- COOPERATION BETWEEN COAST GUARDS
- SHARING OF WHITE SHIPPING INFORMATION

➤ PHILIPPINES

- ✓ SALE OF TWO KAMORTA CLASS SHIPS BY GARDEN REACH KOLKOTTA

➤ CAMBODIA, LAOS, BRUNEI

SOUTH KOREA

- HINDUSTHAN SHIPYARD LIMITED (HSL) VISHAKAPATNAM AND HYUNDAI SHIP YARD ,SOUTH KOREA HAVE AGREED TO COOPERATE IN SHIP BUILDING – INFUSION OF TECHNOLOGY
- COMMON DESIRE TO PROTECT SLOCs

THAILAND

- SHARE INTERNATIONAL MARITIME BOUNDARY LINE(IMBL)
- COORDINATED PATROL(CORPAT) -2005
- UPGRADED TO JOINT BILATERAL EXERCISES

- DEFENCE & MARITIME COOPERATION:
 - ✓ SHARING OF WHITE SHIPPING INFORMATION
 - ✓ ANTI PIRACY OPS
 - ✓ SECURITY OF SEA LANES OF COMMUNICATION (SLOCs)
 - ✓ COOPERATION BETWEEN COAST GUARDS

SILIGURI CORRIDOR/ CHICKEN'S NECK – **VULNERABILITY**

- RAIL AND ROAD ACCESS TO NORTH EAST IS THROUGH NARROW SILIGURI CORRIDOR WHICH IS VULNERABLE FROM THE NORTH
- DOCKLAM CRISIS-2017
- NOW WITH **BELT AND ROAD INITIATIVE (BRI)** SILIGURI CORRIDOR IS VULNERABLE FROM BAY OF BENGAL IN THE SOUTH TOO

ACCESS TO OUR NE VIA BANGLADESH

- KOLKOTTA – AGARTALA BY CIRCUTOUS ROUTE IS 1600KM
- THROUGH BANGLADESH IS 500KM – CONGESTED , SPECIALLY AT BORDER STATIONS
- EXIM CONTAINERS TRANSHIPPED VIA COLOMBO , SINGAPORE- COST & TIME FACTOR

ACCESS TO OUR NE VIA BANGLADESH

- UPSWING IN RELATIONS WITH BANGLADESH
- PASSAGE OF LAND BOUNDARY AGREEMENT
- RESOLUTION OF MARITIME BOUNDARY THROUGH ITLOS
- PM MODI'S VISIT TO BANGLADESH IN 2015
- MOU SIGNED - COASTAL SHIPPING -INLAND WATER TRANSIT TRANSPORT
- KOLKOTTA –CHITTAGONG / MONGLA – ASHUGANJ –TO TRIPURA .10 DAYS – 50% OF THE COST



OVERSEAS DEPLOYMENT(OSD)

- INSPIRE CONFIDENCE
- BUILD INTER-OPERABILITY
- DEMONSTRATE PRESENCE IN OUR AREAS OF MARITIME INTEREST
- GATHER OPERATIONAL EXPERIENCE
- DEMONSTRATE FREEDOM OF NAVIGATION etc

CAPACITY BUILDING

- SUPPLY OF HELICOPTERS , FIXED WING AIRCRAFT AND PATROL VESSELS TO INDIAN OCEAN ISLAND STATES
- SUPPLY OF SHIPS TO SRI LANKA(AOPV), VIETNAM,MYANMAR & PHILIPPINES

CHINA- NEW DEVELOPMENTS

- CHINA CUTS PLA TROOPS BY 50%
- BOOSTS NAVY , AIRFORCE , ROCKET & STRATEGIC FORCES
- STRATEGIC – CYBER ,SPACE , ELECTRONIC WARFARE
- INDICATOR OF CHINA'S HIGH TECH ,MOBILE & EXPEDITIONARY AMBITIONS

- NEAR SEAS SECURE
- SCS - SPRING BOARD INTO THE IOR
- TALK OF 4TH FLEET IN HAINAN FOR INDIAN OCEAN
- CHINA THEREFORE SHAPING THE MARITIME DOMAIN IN IOR

BELT AND ROAD INITIATIVE (BRI)

- ONE BELT ONE ROAD(OBOR) IN 2014
- ECONOMIC MASTERSTROKE COUCHING MILITARY AND STRATEGIC INTENTIONS
- 53 COUNTRIES , 1 TRILLION US \$ FUNDING
- METAMORPHOSED IN TO BELT AND ROAD INITIATIVE (BRI)-2017
- ROAD - MARITIME COMPONENT OF BRI

INDO –PACIFIC CONCEPT GAINS TRACTION

▪ INDIA

- IN JUNE 2018 -PM MODI AT SHANGRI LA DIALOGUE
 - INDIA -MAJOR INDO- PACIFIC PLAYER
 - INDO- PACIFIC STANDS FOR A FREE OPEN INCLUSIVE REGION

▪ JAPAN

- 2007- PM ABE -CONFLUENCE OF TWO OCEANS- INDIAN & PACIFIC OCEANS
- 2016 -PM ABE

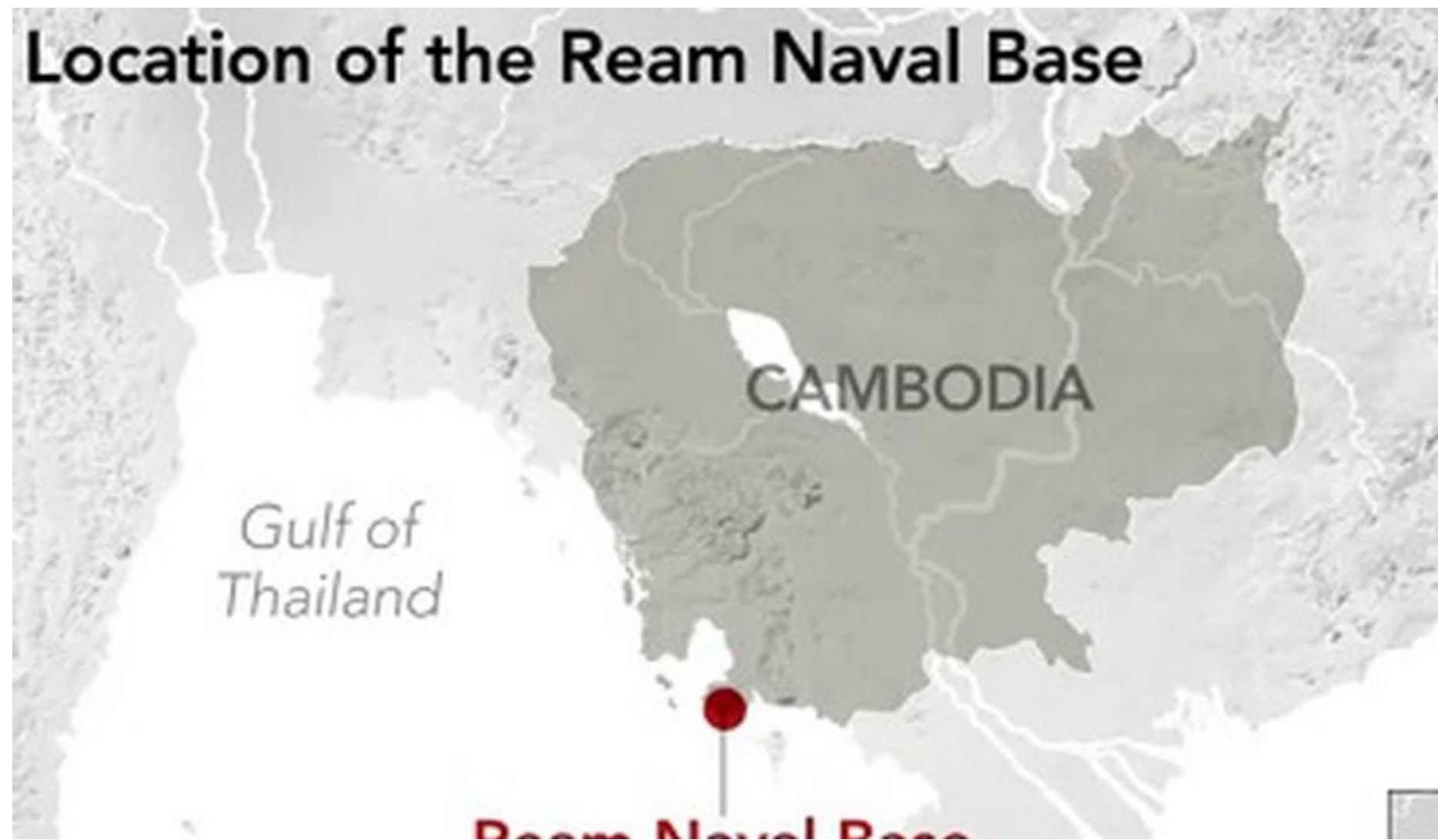
▪ US

- PRESIDENT TRUMP – NOV 2017 – TOUR OF ASIA
- ASIA PACIFIC TO INDO- PACIFIC
- PACIFIC COMMAND TO INDO-PACIFIC COMMAND

INDIA'S STAND ON BRI

- DOES NOT ENDORSE BRI
- SINCE CHINA DOES NOT RESPECT SOVEREIGNTY AND TERRITORIAL INTEGRITY
- DUE LACK OF CONSULTATION AND GOOD GOVERNANCE
- LACK OF TRANSPARENCY, VIABILITY, SUSTAINABILITY
- ENCOURAGES DEBT TRAP

Location of the Ream Naval Base





BRI –SOVEREIGNNTY ERODING DEBT TRAP

➤HAMBANTOTA

➤PAKISTAN -CANCELLED RAHIM YAR KHAN POWER PROJECT

➤MALAYSIA -CANCELLED 3 PROJECTS INCLUDING US\$20 BILLION RAILWAY PROJECT

➤ MALDIVES –REVIEW

➤DJIBOUTI

➤MONGOLIA

➤ LAOS

➤\ MONTENEGRO

➤ TAJIK

➤ KYRGYZSTAN

New structures

- Controlled by Beijing
- Lighthouses under construction





