MAKE IN INDIA

PAN INDIA CONSULTANTS PVT. LTD.

JAS-ANZ
IQMS ISO 9001
Approved Company
Acc. No. S1410994MA

Conceptualize, design, and deliver exceptional execution

INDO-PACIFIC GEOINTELLIGENCE

THEME
SPACE INFRASTRUCTURE AND GEOINT STRATEGY
A SHARED VISION

Presented by:
Vivek Bansal
Vice President
(Pan India Group)

ADDRESS.- 105, PHASE IV, UDYOG VIHAR SECTOR 18 GURUGRAM- 122015,
www.panindiagroup.com , paie@panindiagroup.com
Tel. No.: +91-124-2343880, Fax. No.: +91-124-2346646.

About Pan India

Inception

ICV

Certificate of Registration

This Certificate certifies that the Quality Management System of

PAN INDIA CONSULTANTS PVT. LTD.

Office: Plot No. 105, Udyog Vihar Phase-IV, Gurgaon-122015, Haryana, India.
Site-1: Plot No. 379, Sector-37, Pacecity-II, Guraon-122001, Haryana, India.
Site-2: Kandaghat, V.P.O. Kandaghat-173215, District Solan, Himachal Pradesh, India.

has been audited by ICV and found to be
in compliance with the requirements of the standard

ISO 9001 : 2015

This certificate is valid for
the following scope

Processing of Spatial/Non-Spatial Data (Indexing, Scanning, Digitization & DMS), Geo Physical/Geo-Informatics(GIS/RS), Field Survey snd Mapping Services, Sales, Technical Support & Repairs of Hydrographic, Oceanographic, Geophysical, Land Survey, Hydrology Survey & various other Equipment, Software Development and Customization.

Certificate No.	: IN/3592008/7991
Certificate Issue Date	: 10/06/2021
1st Surveillance Due	: 10/05/2022
2nd Surveillance Due	: 10/05/2023
Date of Expiry	: 09/06/2024

IAF

EGAC
QMS Certification
CAB # 119007

CEO
ICV ASSESSMENTS PVT. LTD.
25, First Floor, Prabhu Complex, Shiva Market, Pitampura New Delhi - 110034
+91 - 11-4154815, info@icvassesments.com, www.icvassesments.com

- Validity of this Certificate is subject to completion of surveillance audit on or before of due date. In case Surveillance audit not allowed to be conducted this Certificate shall be suspended / withdrawal.
- This Certificate is intellectual Property of ICV and Certificate should be returned to ICV in case of non compliance of certification procedure. Authenticity of this certificate can be verified at www.icvassesments.com

ANAB ACCREDITED

BSI

SIDM

SOCIETY OF INDIAN DEFENCE MANUFACTURERS

Pan India's

"Make in India" Initiatives

iDEX- DISC 7 Sprint Challenge

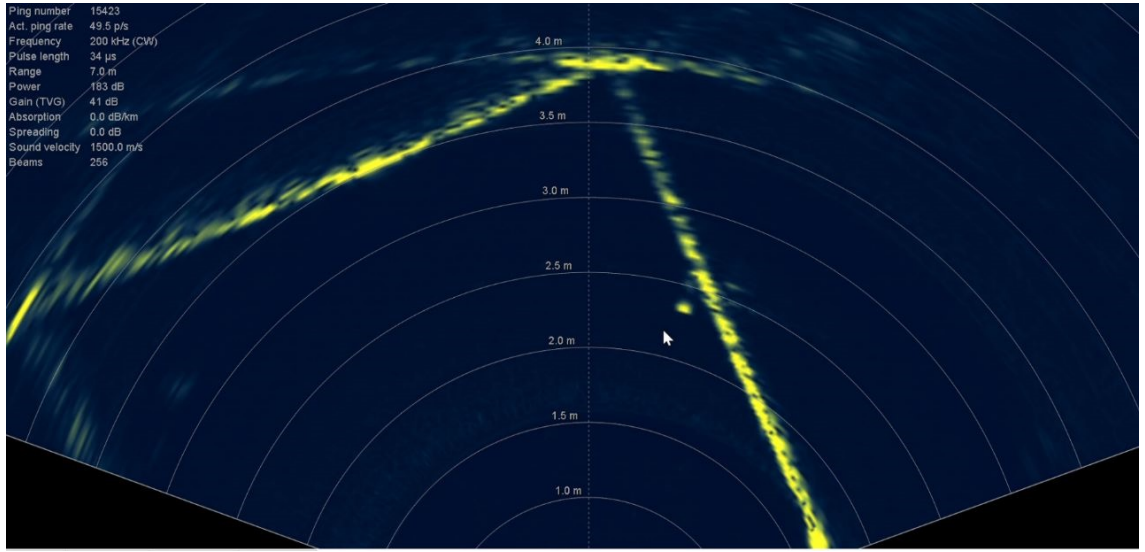
- ✓ Pan India is the Winner of iDEX-2022, DISC 7 (SPRINT) Challenge for Indian Navy
- ✓ Challenge issued by Defence Innovation Organization (DIO), Department of Defence and Production under Ministry of Defence, Government of India.
- ✓ Challenge is to indigenously manufacture "**3D Forward Looking Sonar for surface platforms and Autonomous Underwater Vehicles (AUVs)** "
- ✓ Our Partner Incubator (PI) for the challenge is FITT-IIT Delhi

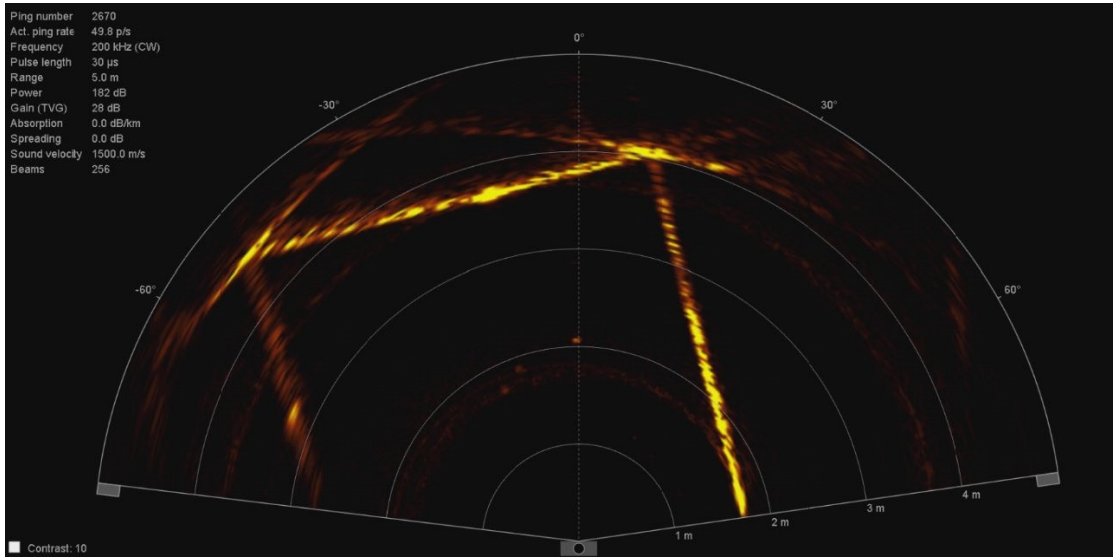
सत्यमेव जयते

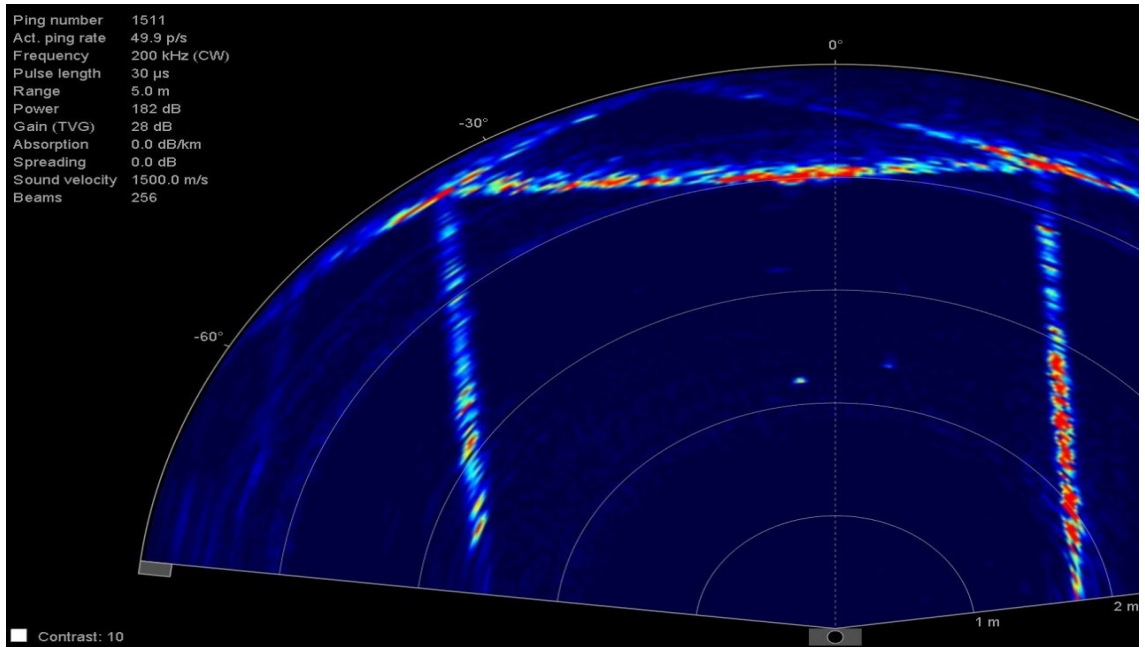
iDEX Innovations for Defence Excellence
PM Awardee

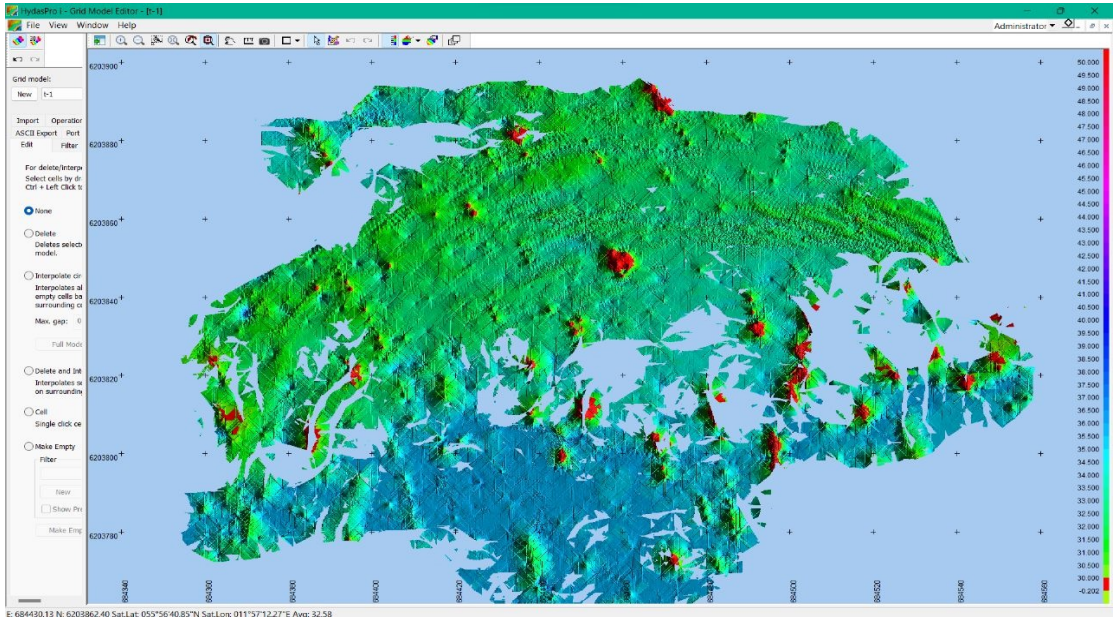
Innovations for Defence Excellence
DEFENCE INDIA STARTUP CHALLENGE

Obstacle Avoidance Sonar

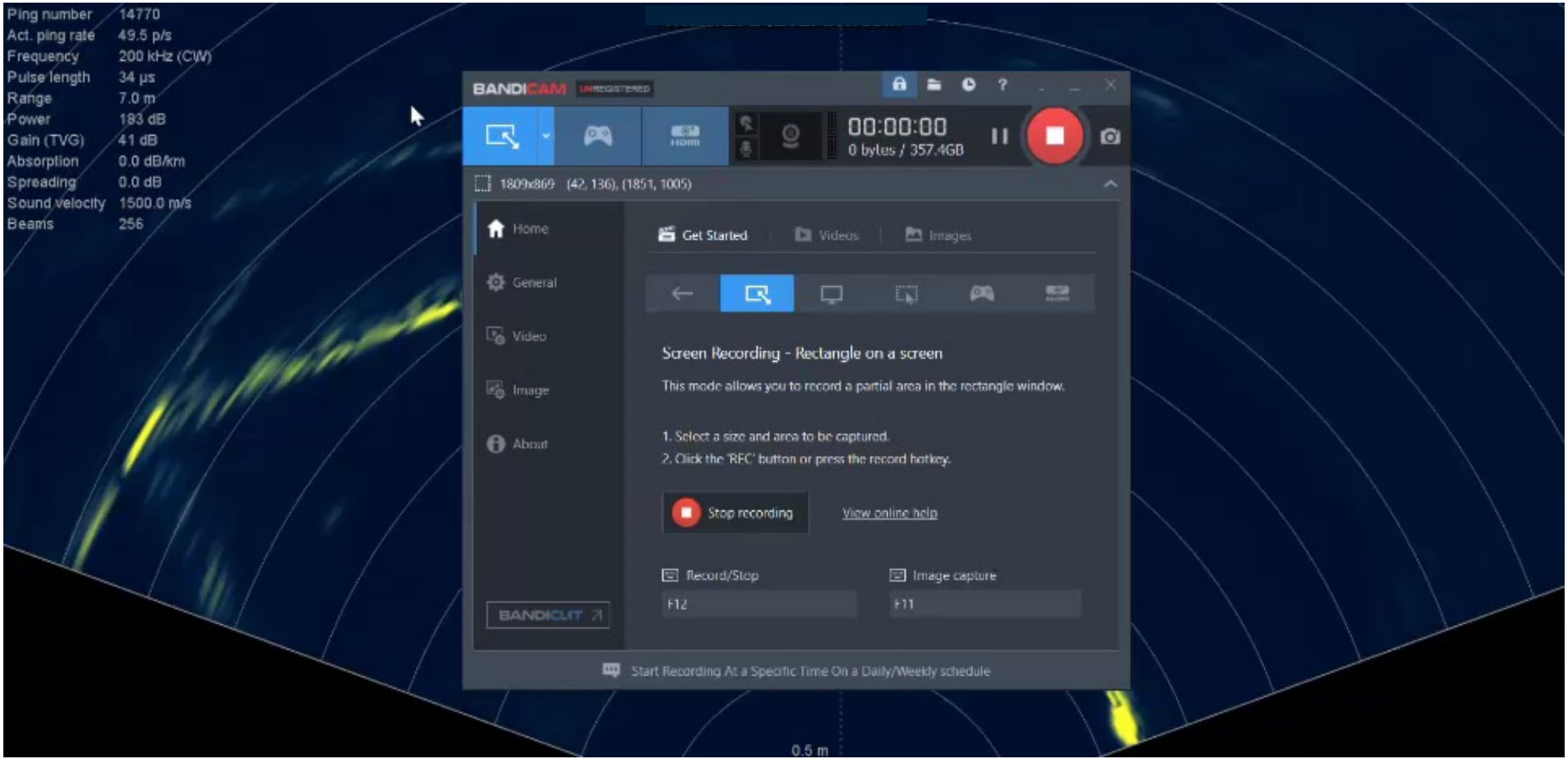








Obstacle Avoidance Sonar



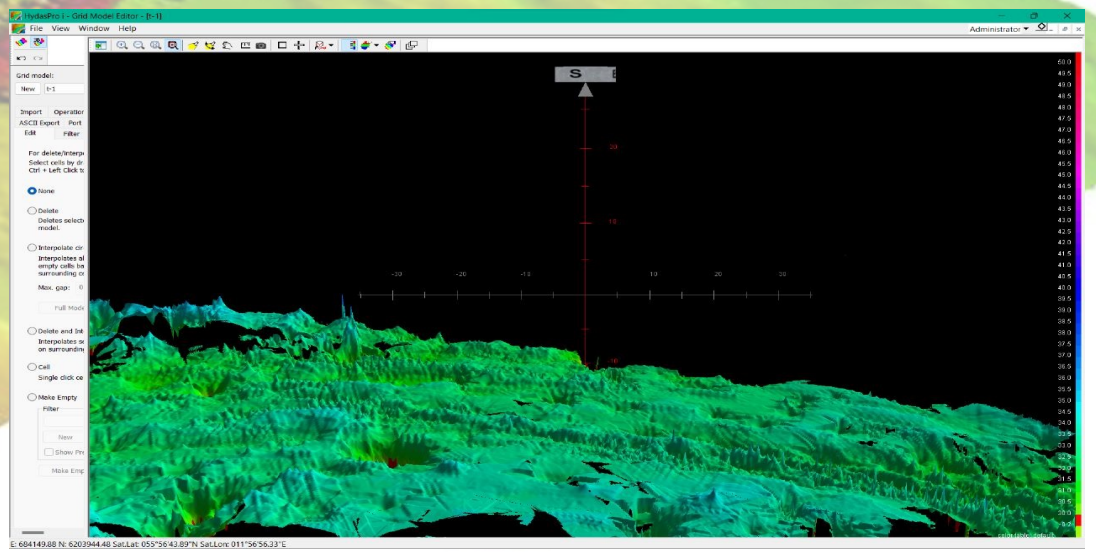
PAN INDIA CONSULTANTS PVT. LTD.

"Data Acquisition and Processing System under "Make in India"

Search & Rescue, Recovery and Monitoring

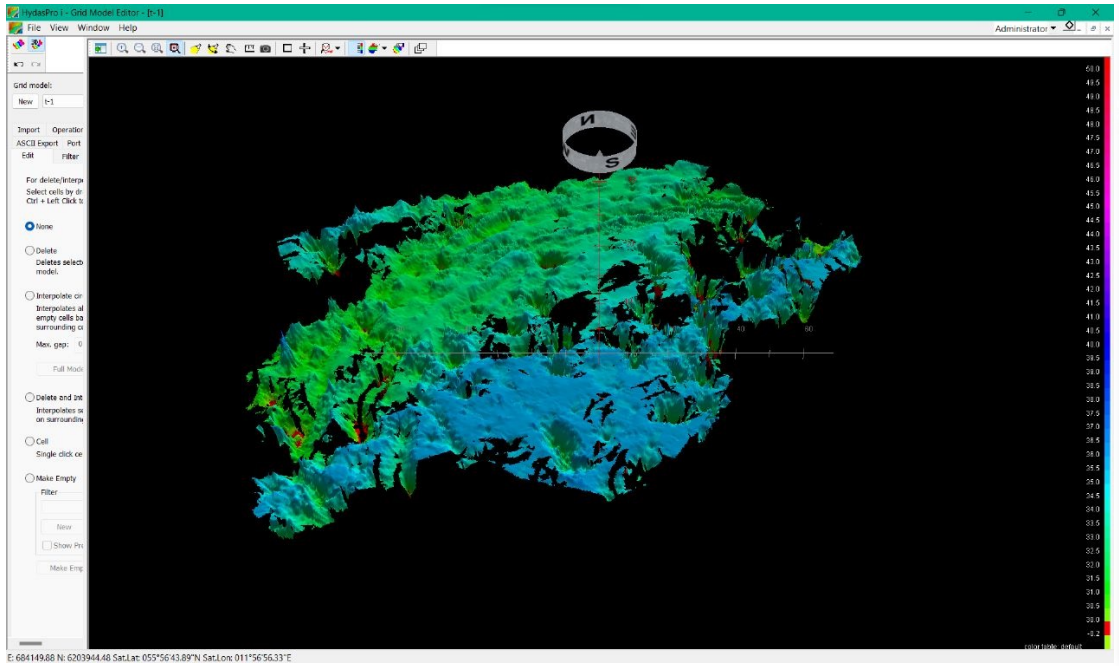
Indigenously developed and delivered to Indian Navy Ships, integrated solution for Hydrographic and Oceanographic Data Acquisition and Processing System (DAPS) Integrating multiple sensors

- Multibeam Echosounders
- Single beam Echosounders
- Differential Global Positioning System
- Altitude and Heading Reference Unit
- Remotely Operated Vehicle
- ECDIS ,AIS, Gyro etc.
- Current Meter
- And many other various sensors



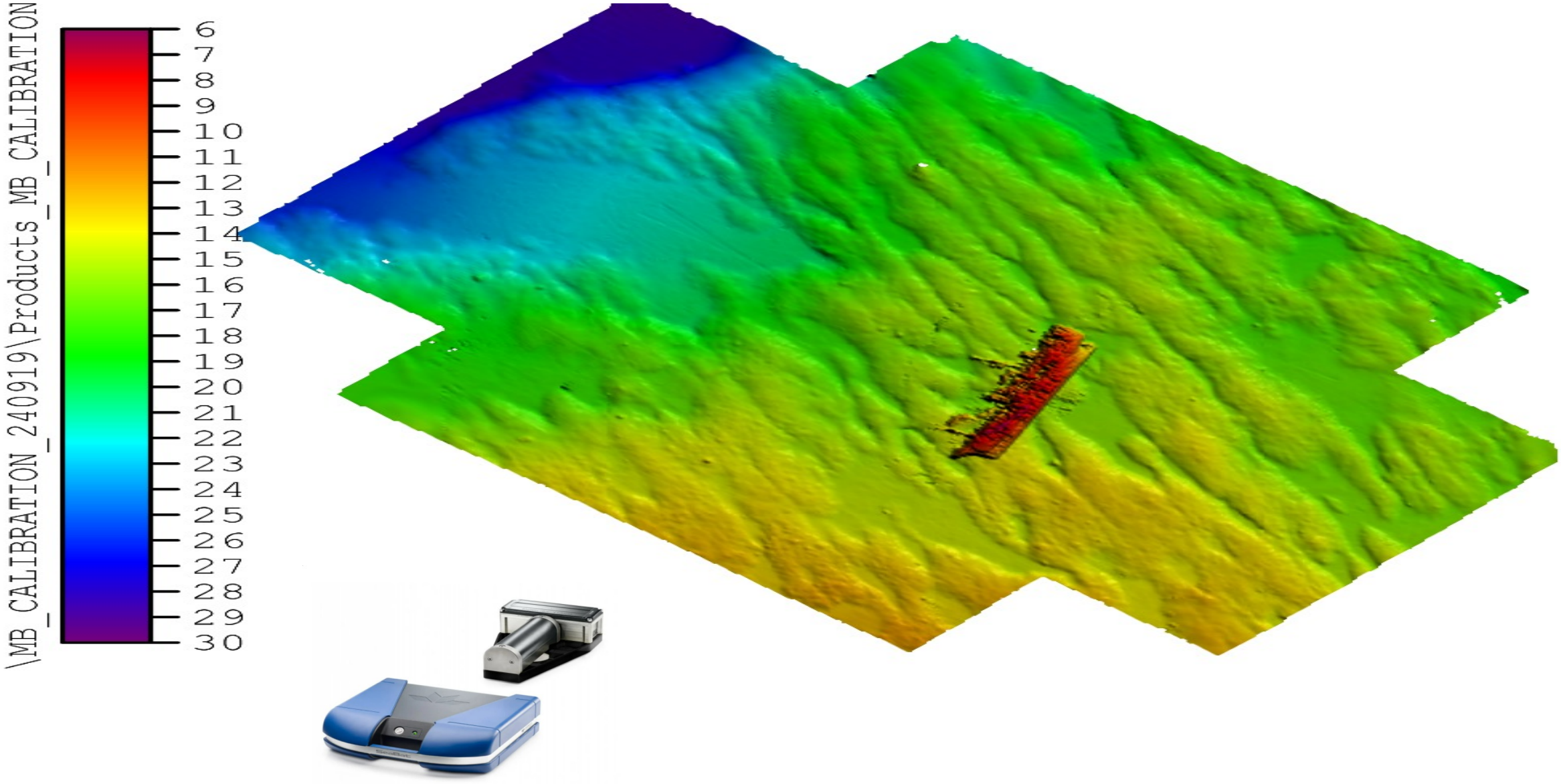
PAN INDIA CONSULTANTS PVT. LTD.

Bathymetric Survey



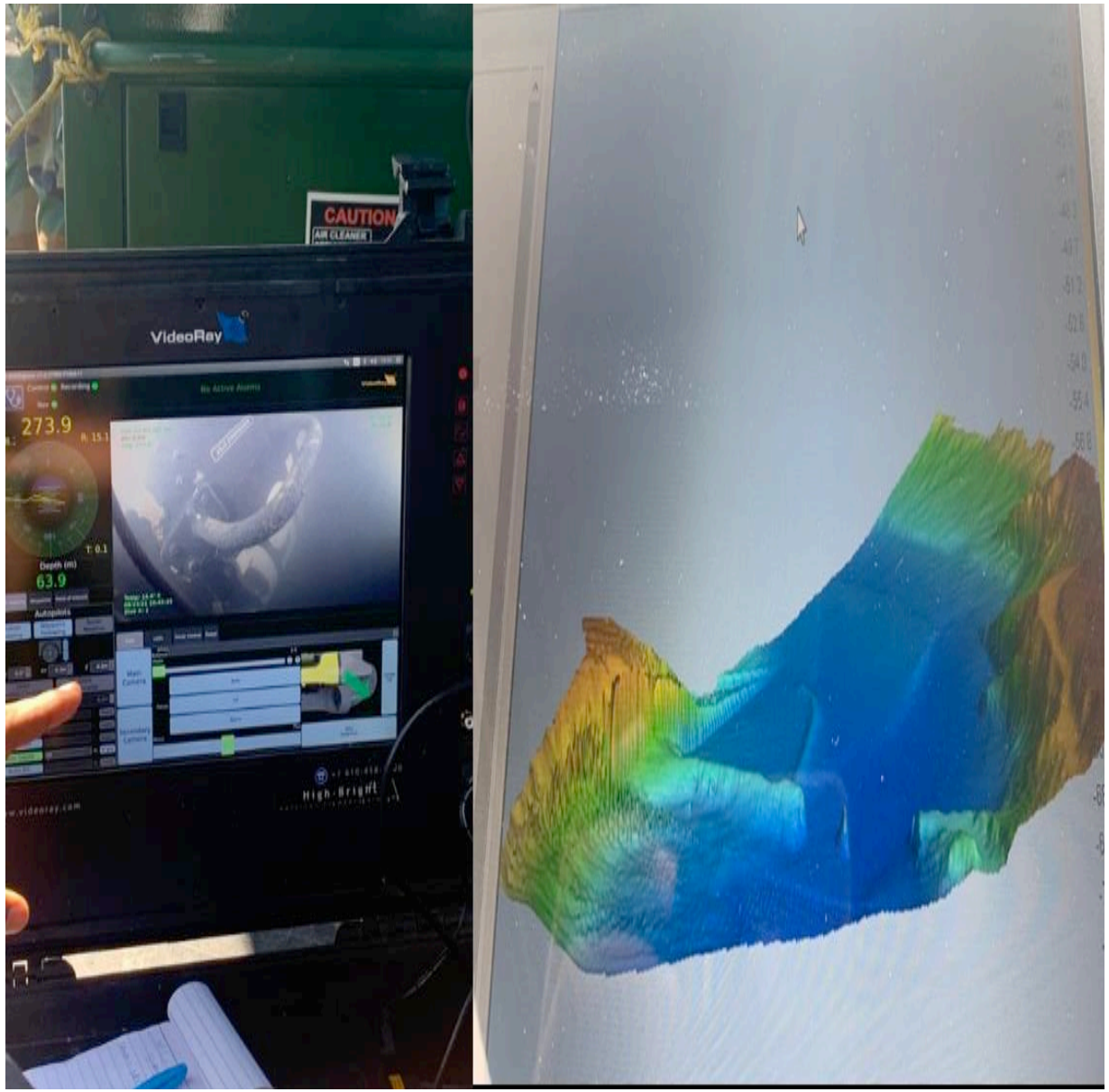
PAN INDIA CONSULTANTS PVT. LTD.

Installation of Teledyne T20 P Multibeam SONAR



PAN INDIA CONSULTANTS PVT. LTD.

Rescue Operations at Ranjit Sagar Dam



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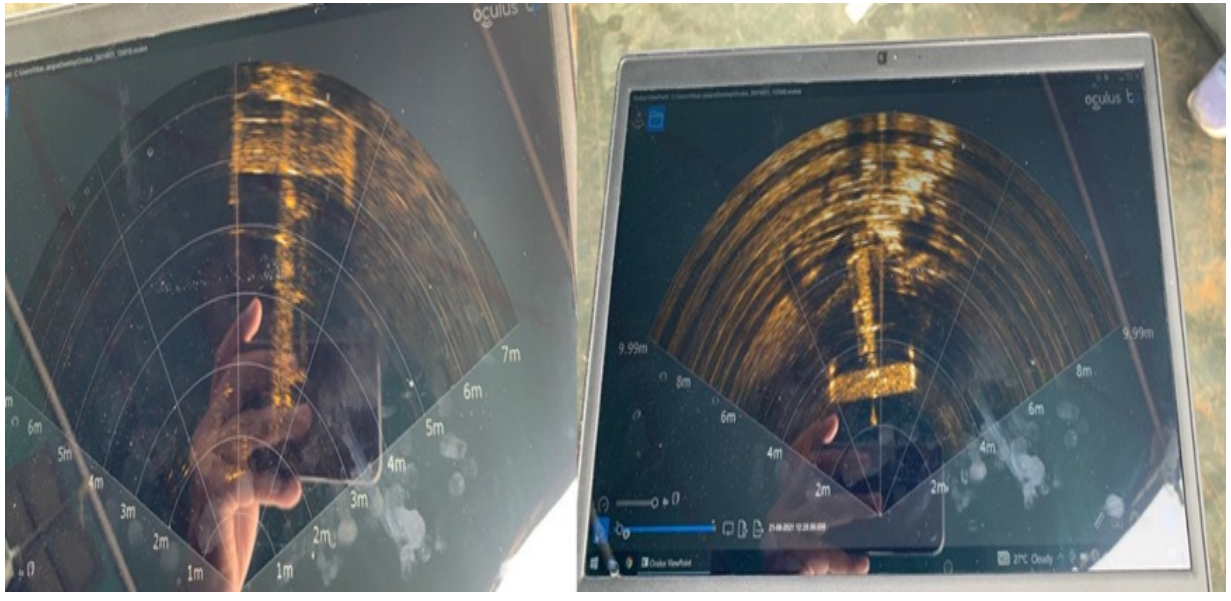
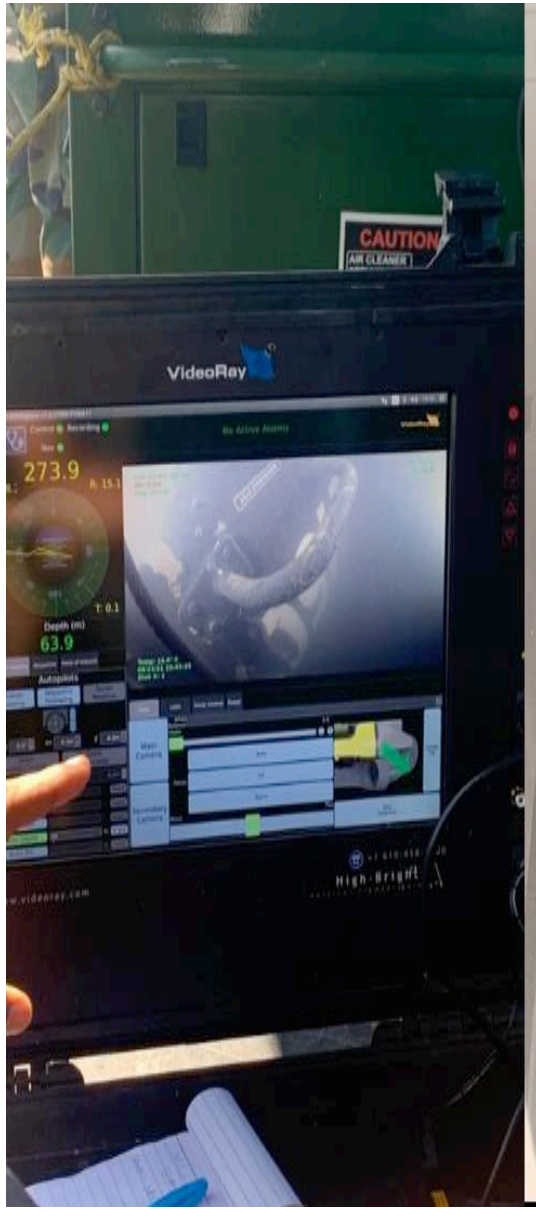
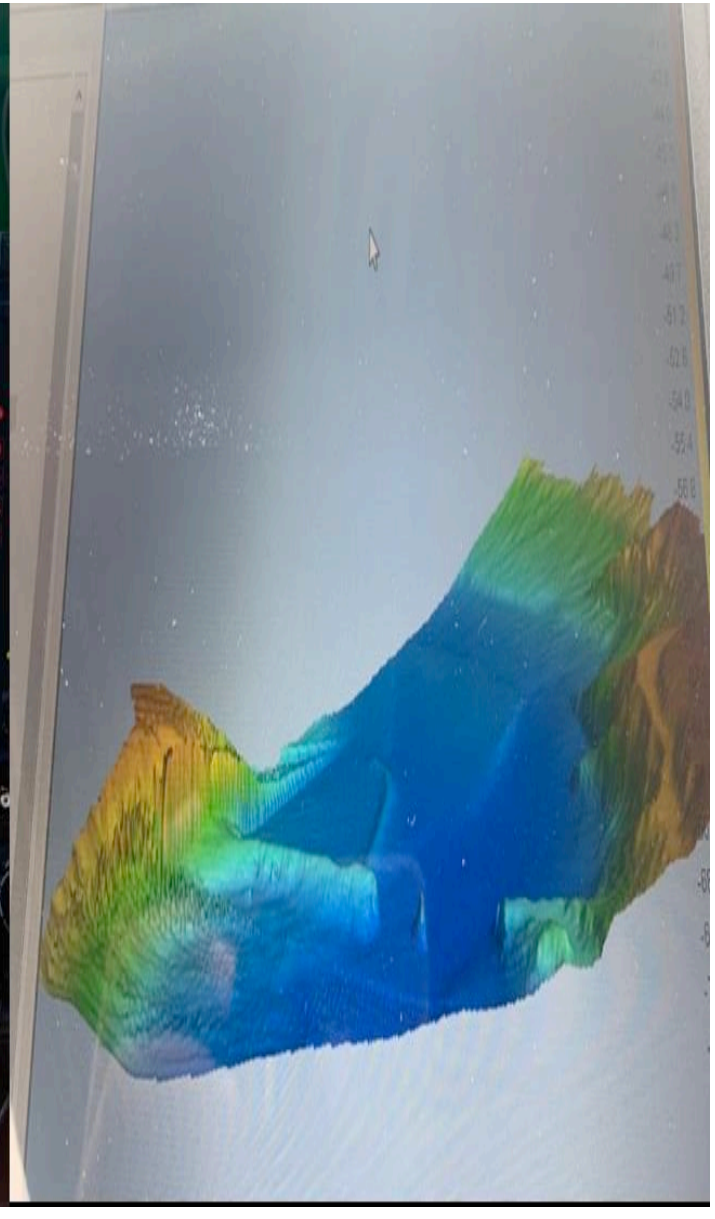
Rescue Operations at Ranjit Sagar Dam







PAN INDIA CONSULTANTS PVT. LTD.

Underwater ROV Survey at Mining Site In Meghalaya

PAN INDIA CONSULTANTS PVT. LTD.

PARTH 1000 GNSS Receiver under “Make in India”

PARTH 1000 GNSS Receiver

- ✓ IRNSS enabled GNSS DGPS/RTK receiver
- ✓ GNSS receiver and radio with a choice of an external antenna
- ✓ 336/672 Tracking Channels for multi constellation GNSS
- ✓ Compact design for mobile applications
- ✓ Flexible RS 232 USB and Ethernet, Wi fi Bluetooth interfacing
- ✓ High precision multiple correlators for GNSS pseudo range measurements
- ✓ Advanced RF Spectrum Monitoring and Analysis
- ✓ Rugged IP67 enclosure
- ✓ Applications in rescue missions, land surveying, rail networks,
- ✓ mining, agriculture, and environmental monitoring etc.
- ✓ Certified MIL Grade JS 55555 standards

PAN INDIA CONSULTANTS PVT. LTD.

Field Trials for PARTH 1000 GNSS Receiver

Hydrophones Deployment for Security Forces

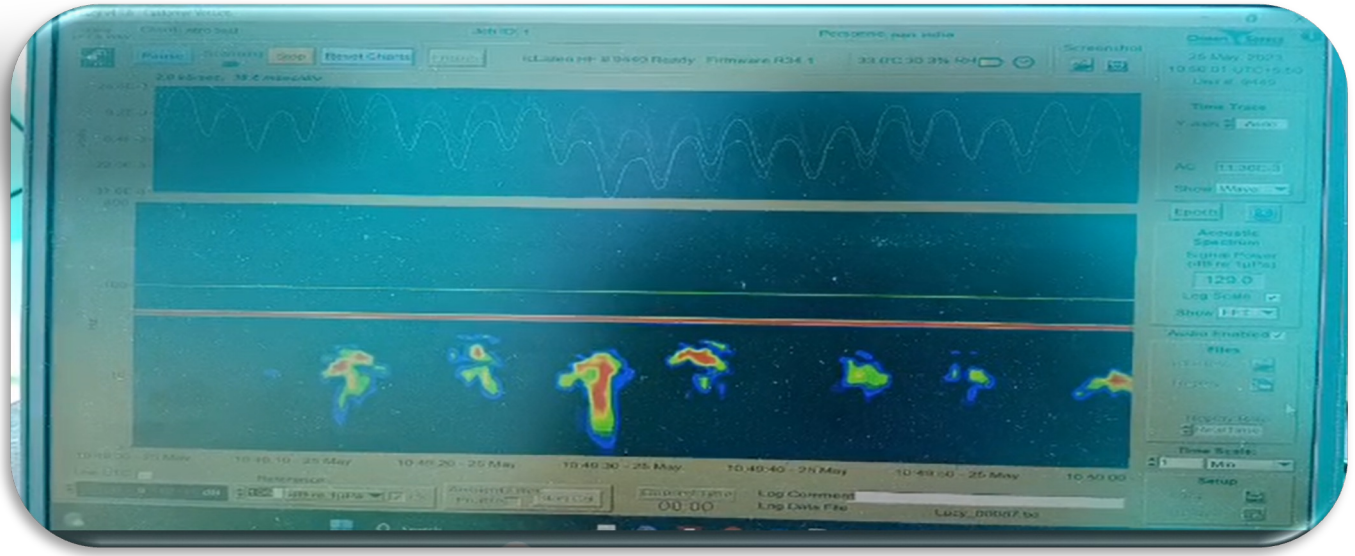
Border Security Force (BSF)

- Pan India Consultants Pvt Ltd deployed **28 smart Hydrophones** to BSF with different types of Mountings (Floaters, Tripod, Boat mounting) and Pan India customised arrangements for stationary floating platforms and for riverbank

  - **Application**: Covering waterways border area to stop intrusion activity & detect unwanted movements through inland waterways.
  - Integrated hydrophones into their command control centre (C2 centre) for Realtime data visualisation and alerts.

PAN INDIA CONSULTANTS PVT. LTD.

Hydrophones Deployment for Security Forces



Passive Acoustic Monitoring- Hydrophone

Hydrophones Deployment for NIOT & NPOL

National Institute of Ocean Technology (NIOT)

- **Application** : Deep Ocean sound observations and Research.
- NIOT is using Hydrophones for collecting and analysing different type of sounds in deep Sea. They deploy Hydrophones for long time observation.

Naval Physical Oceanographic Laboratory (NPOL)

- **Application** : Study of ocean environment, Reserach and underwater materials
- NPOL is using very low frequency Hydrophones with external battery packs

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Supply of Ground Penetrating Radar (GPR)

Ground-penetrating radar (**GPR**) A geophysical method that uses radar pulses to image the subsurface.

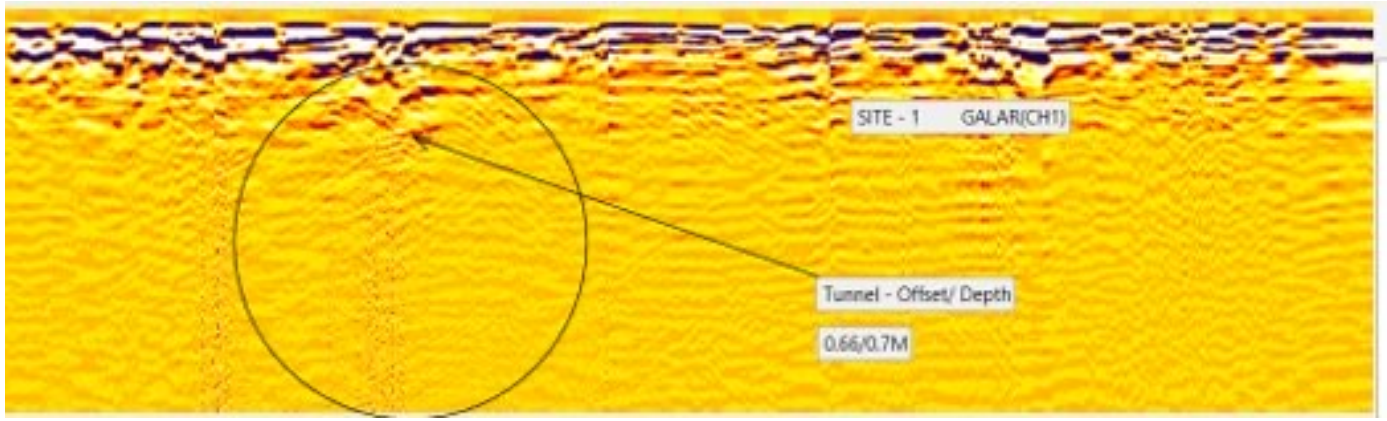
A non-intrusive method of surveying the sub-surface to investigate underground utilities such as concrete, asphalt, metals, pipes, cables or masonry. This non-destructive method uses electromagnetic radiation in the microwave band (UHF/VHF frequencies) of the radio spectrum and detects the reflected signals from subsurface structures.

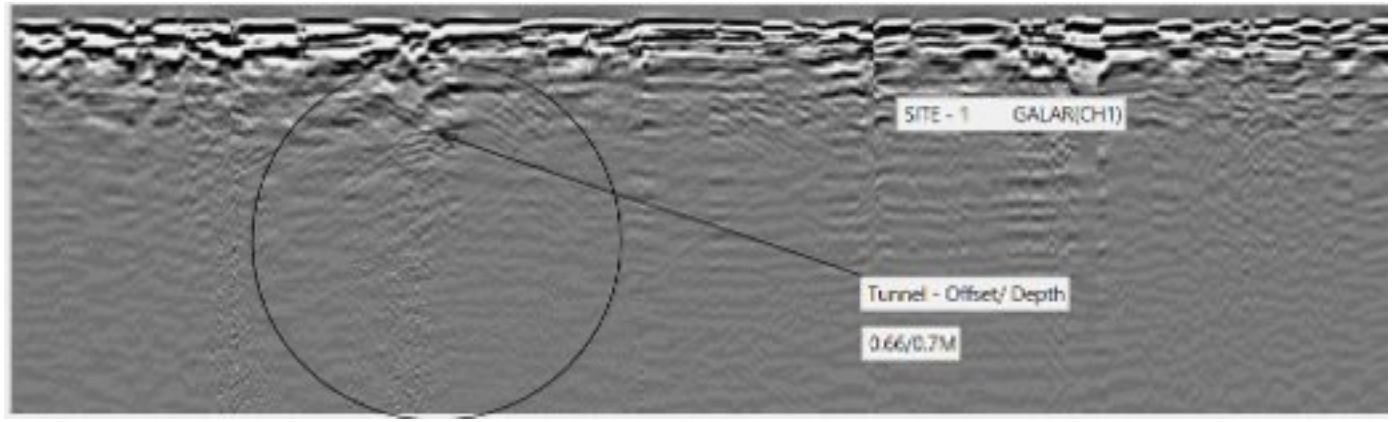
Applications in a variety of media, including rock, soil, ice, fresh water, pavements and structures.

NIT, Raipur

PAN INDIA CONSULTANTS PVT. LTD.

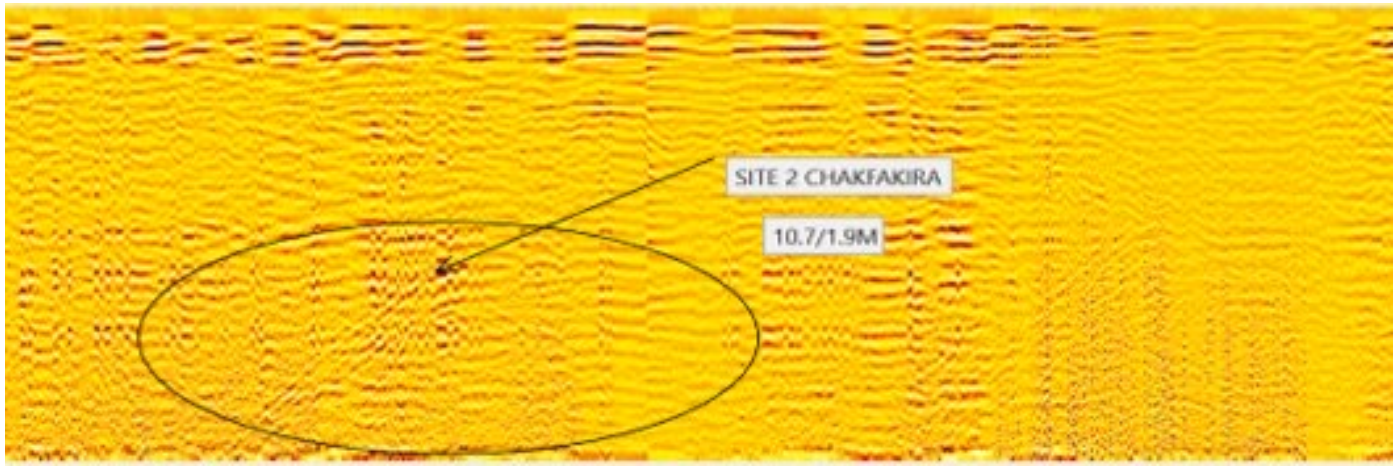
Field Trials for Ground-Penetrating Radar (GPR)

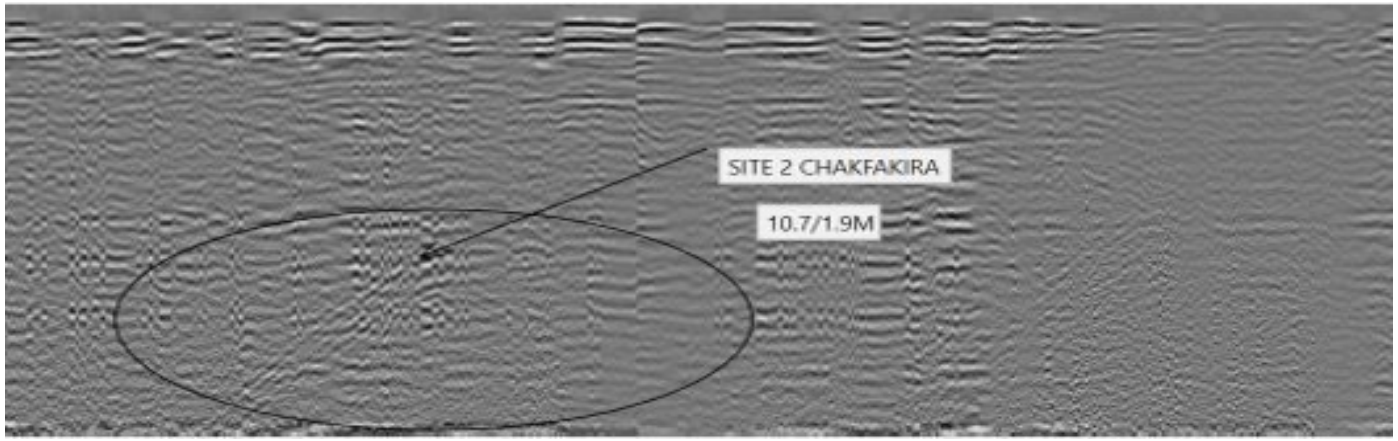




PAN INDIA CONSULTANTS PVT. LTD.

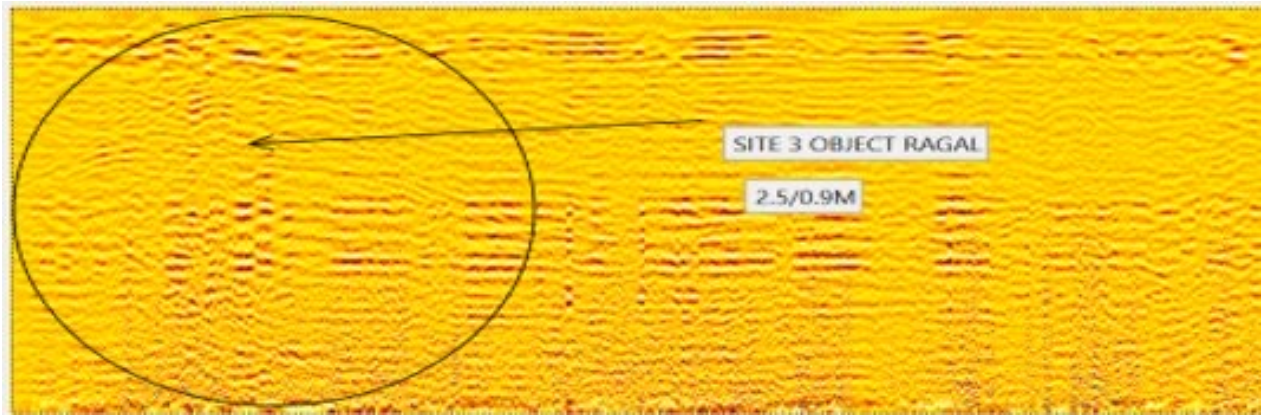
Field Trials for Ground-Penetrating Radar (GPR)

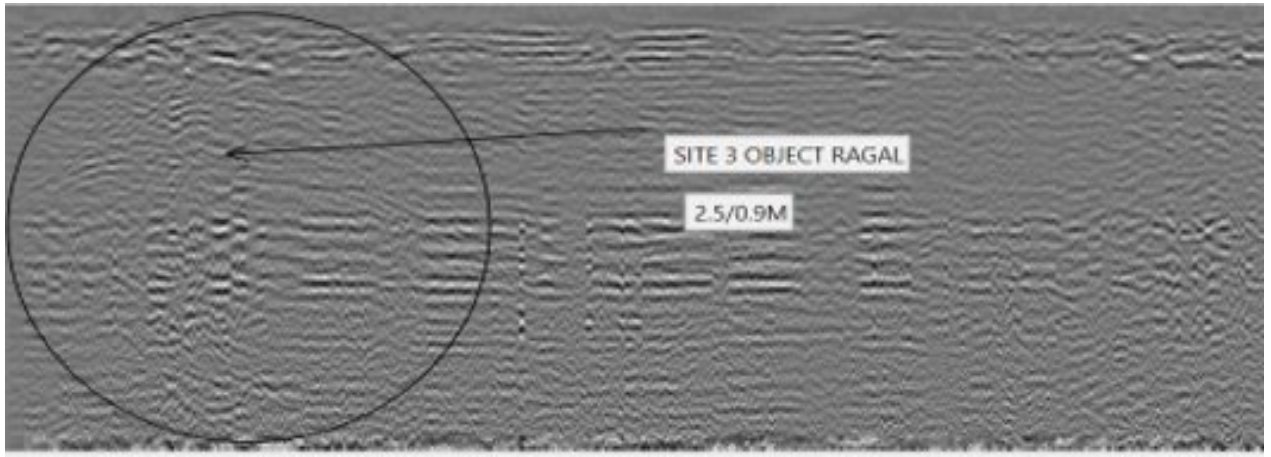




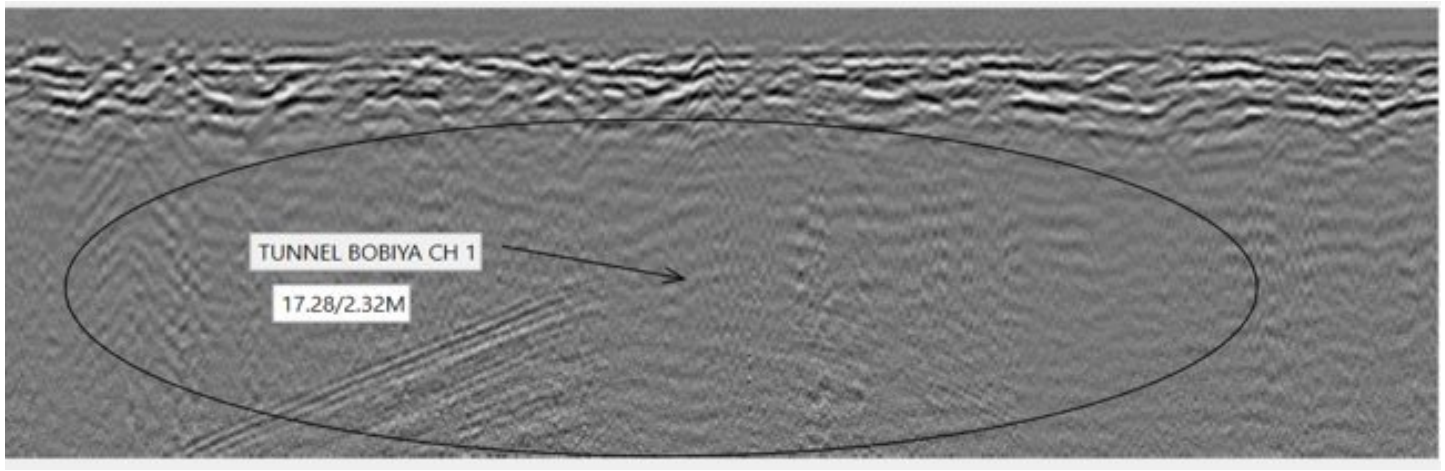
PAN INDIA CONSULTANTS PVT. LTD.

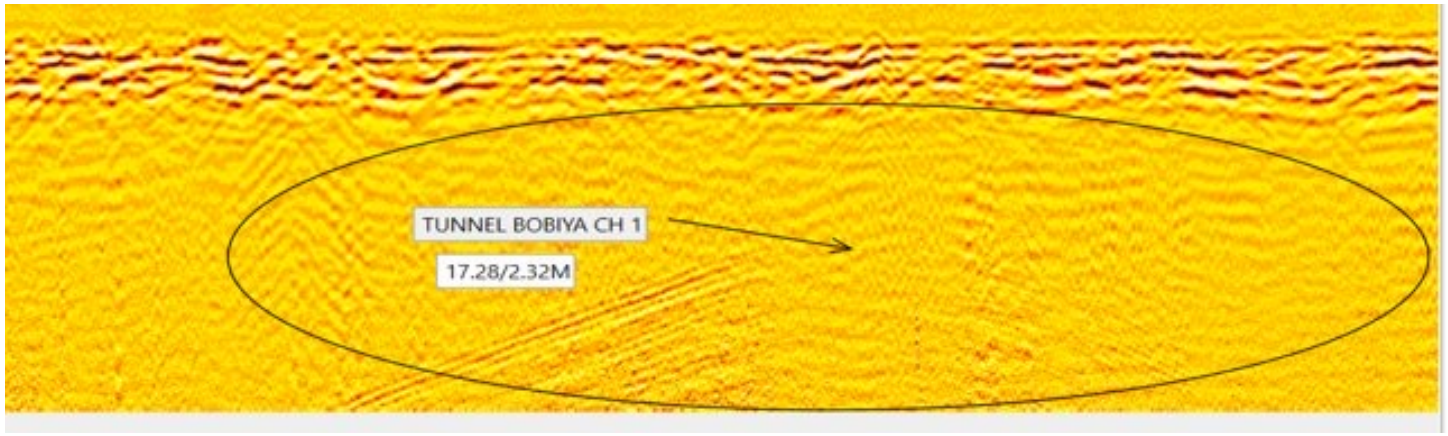
Field Trials for Ground-Penetrating Radar (GPR)





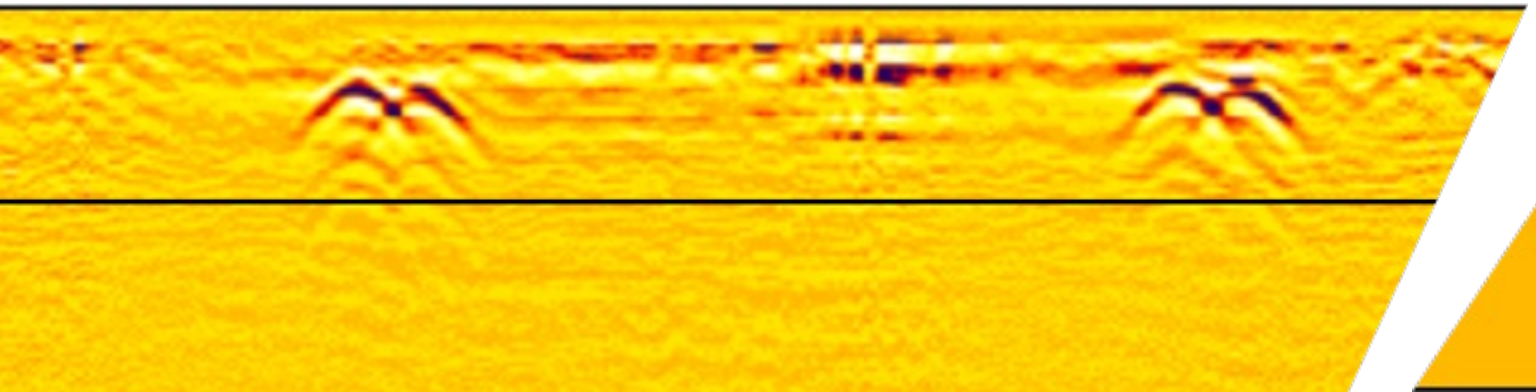
Ground-Penetrating Radar (GPR) – Bobiya SITE

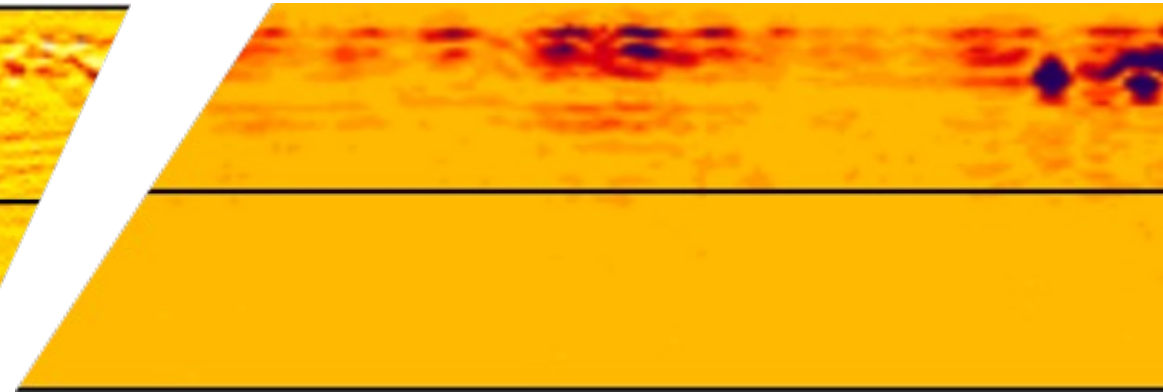




Depth Slice In 3 different format

Field Trials for Ground-Penetrating Radar (GPR)





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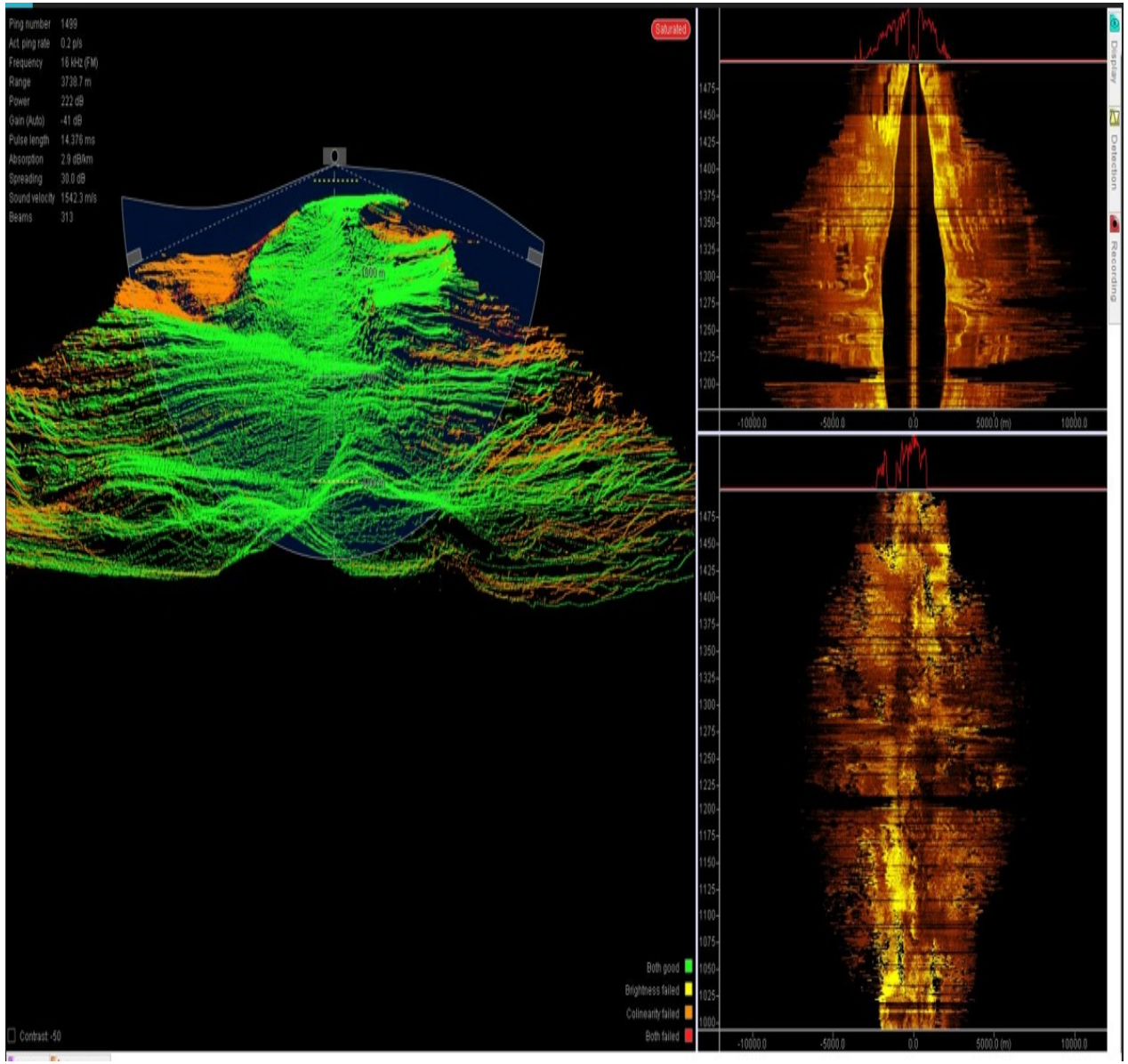
Supply of Deep Water Multibeam System for Indian Navy



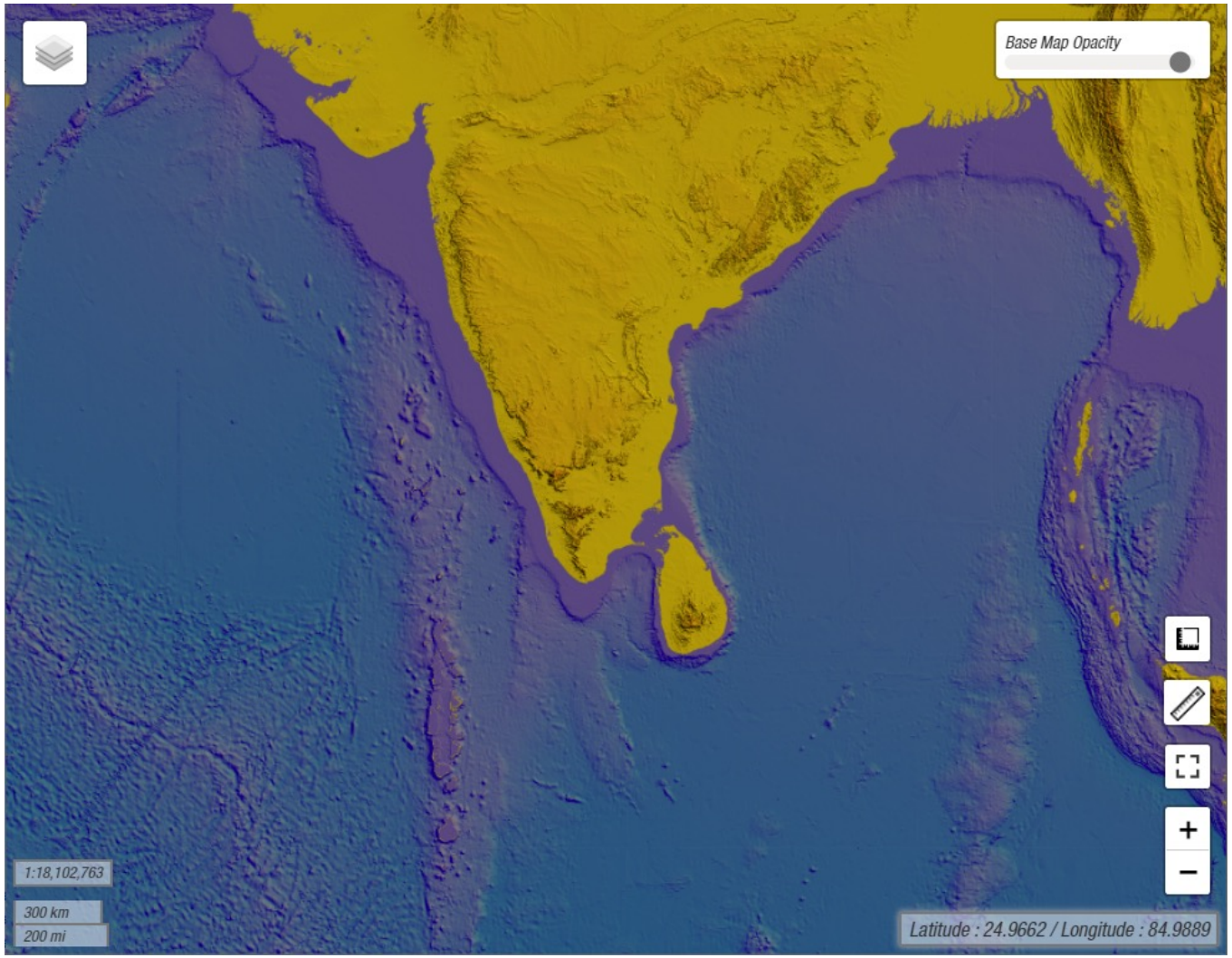
Marine Spatial Planning (MSP)

The process of analyzing and allocating the spatial and temporal distribution of human activities in marine areas to achieve ecological, economic, and social objectives.

A web-based tool showing interactive digital map of India representing the concept of MSP.

It is capable of rendering different type of GIS formats such as ESRI Shape file, GeoTiff files, Geojson file format.

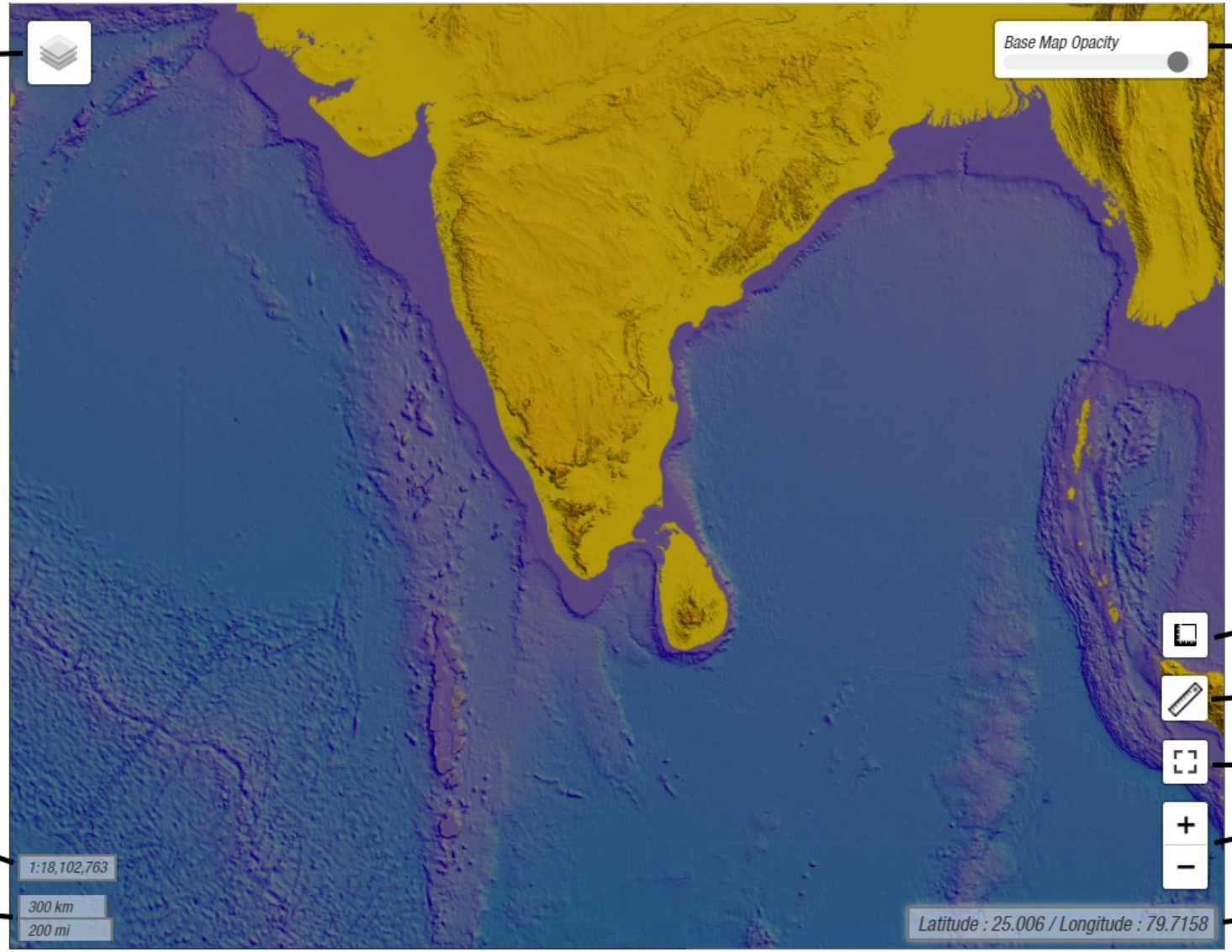
Brings together users to make informed and coordinated decisions about how to use marine resources sustainably.



Standard View of MSP Application

PAN INDIA CONSULTANTS PVT. LTD.

Tools Available in MSP Application



Layers Control

Base Map Opacity

Measure Area

Distance & Bearing

Full Screen

Zoom In / Zoom Out

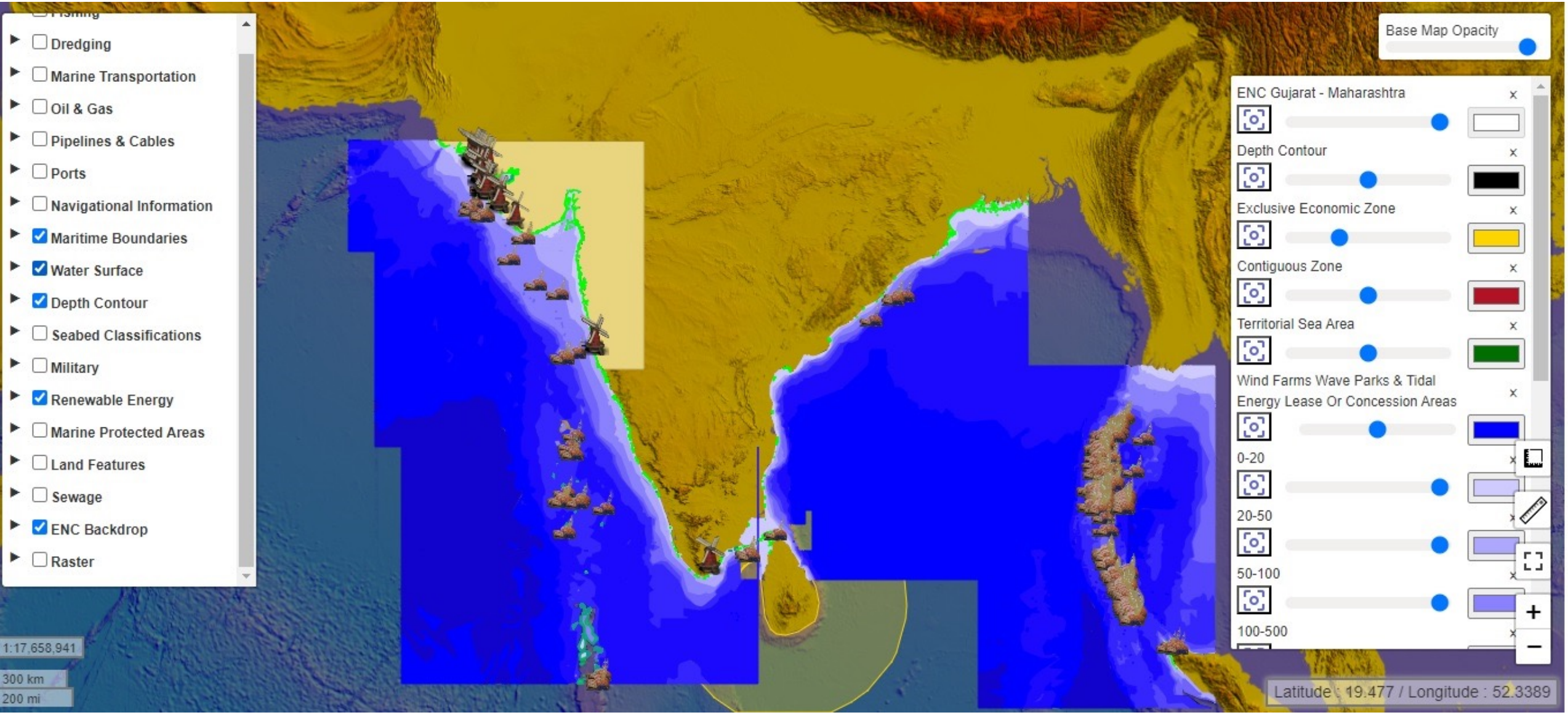
Pointer Position

Scalea Factor

Map Scale

PAN INDIA CONSULTANTS PVT. LTD.

Marine Spatial Planning (MSP)



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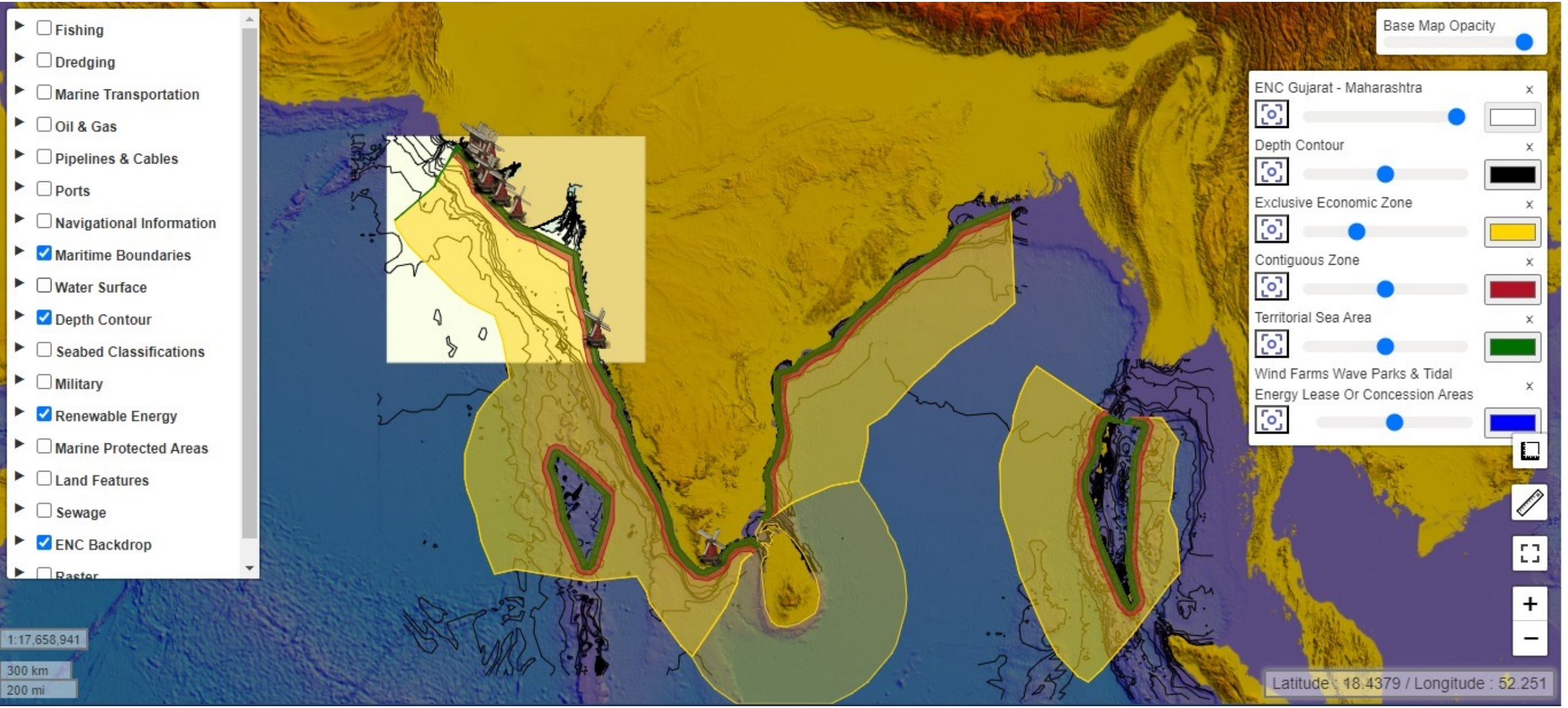
Marine Spatial Planning (MSP)



Thank You!

PAN INDIA CONSULTANTS PVT. LTD.

"Looking forward to privilege of working together for achieving best results in our work."

For Questions or feedback contact:
Vivek Bansal
Email: vivekbansal@panindiagroup.com
Mobile: +91- 9871091371