

Partnership in Discovered Resources and Advanced Exploration

R.K Srivastava ,
Director Exploration, ONGC

16th November, ADIPEC-2021



Sequence of Presentation

1 Preamble : Indian Context

2 Key Drivers : Global Similarities

3 Opportunity basket

Discovered Resources

Yet to Find Resources

- Re-Exploration :Producing Basins

- Consolidation : Discoveries Made

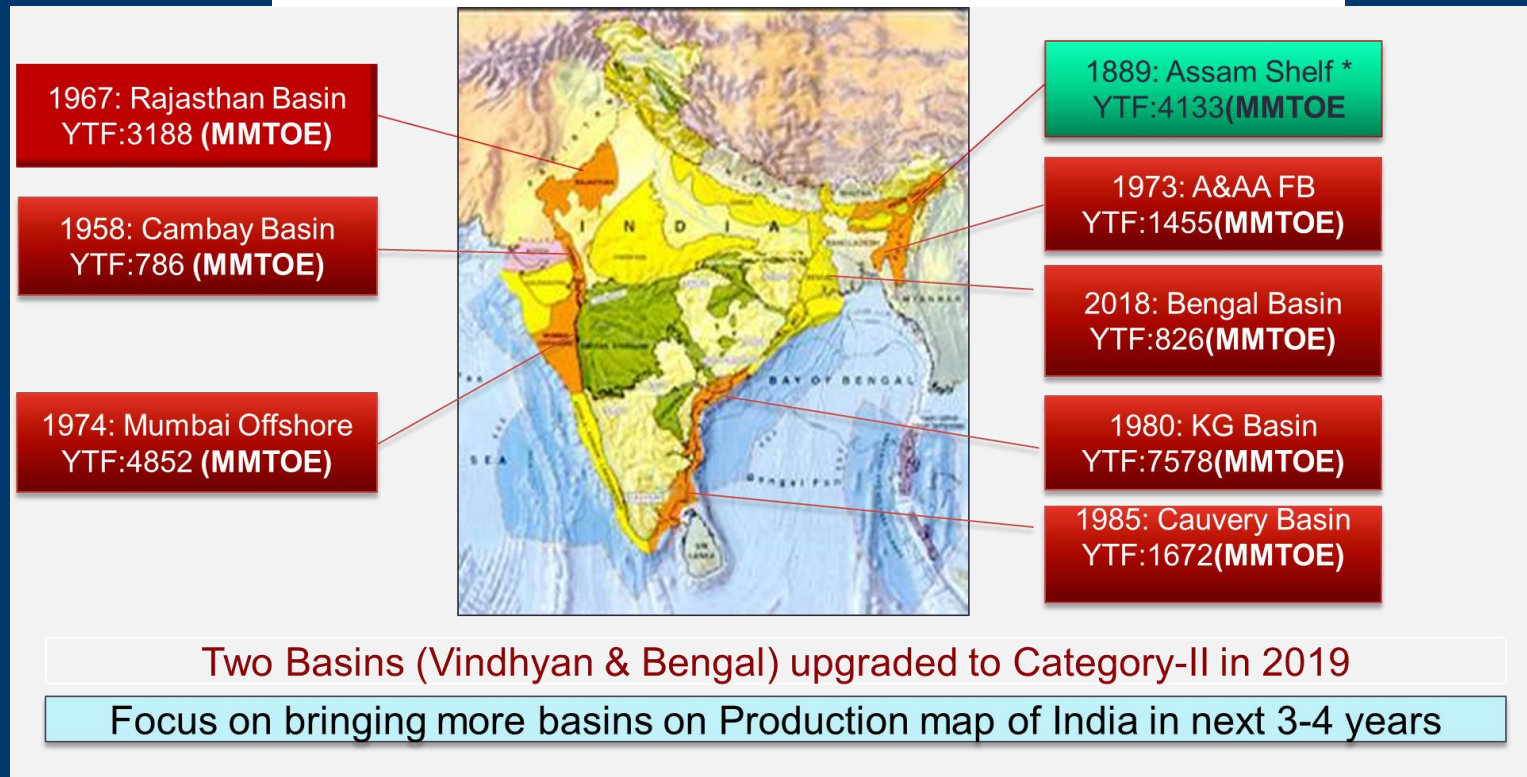
- Opening New Basins: Analogues

4 Technology Interventions : Advanced Exploration

Preamble

- **ONGC (Oil & Natural Gas Corporation) : A national Oil Company Engaged in E&P Business.**
- **Humble Beginning in 1954, evolved as integrated energy Company.**

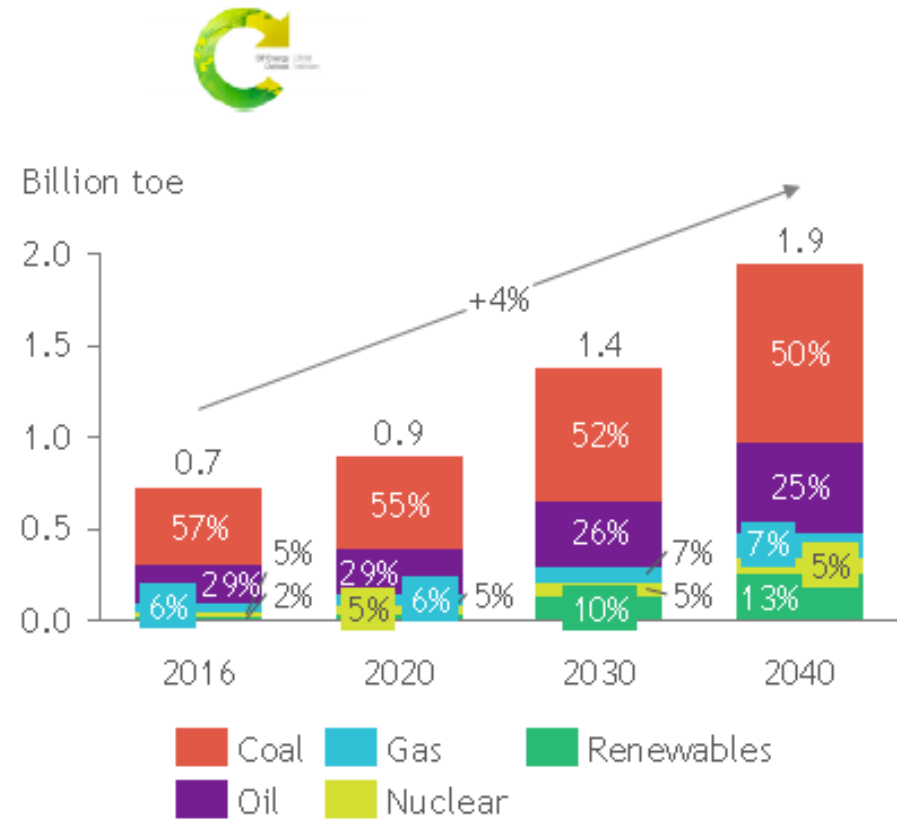
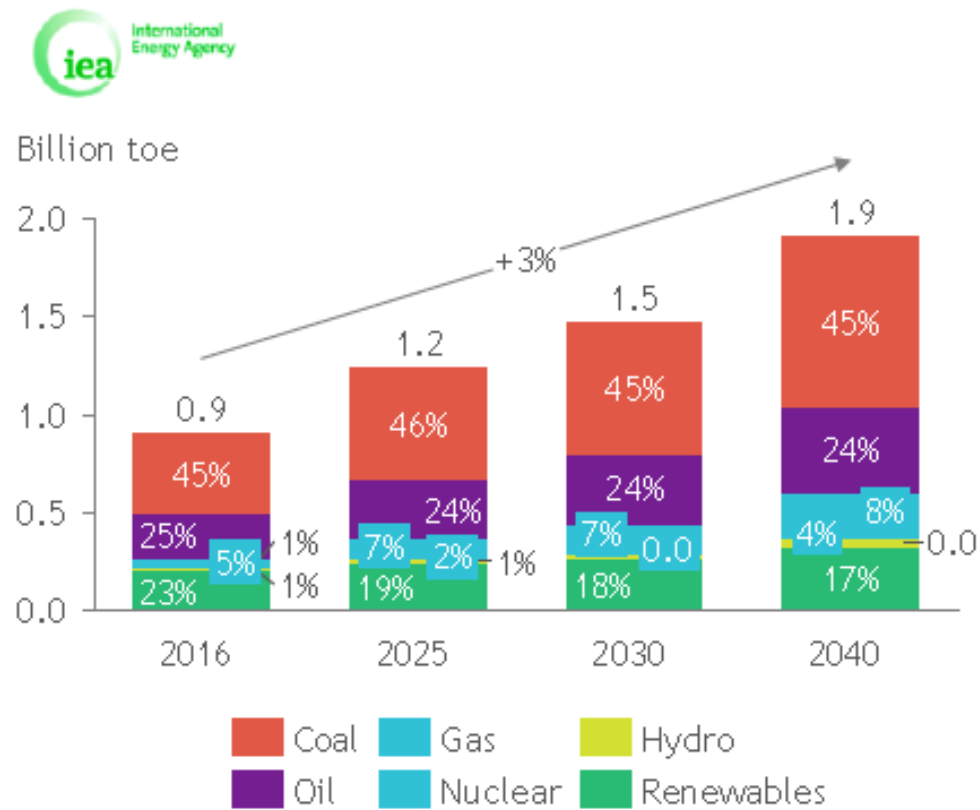
Discovered 7 out of 8 Producing Basins



- **Established 10 billion tonnes In-place volume of Hydrocarbon in domestic basins**
- **Realized Cumulative Production of 2 Billion tons of Oil Equivalent**

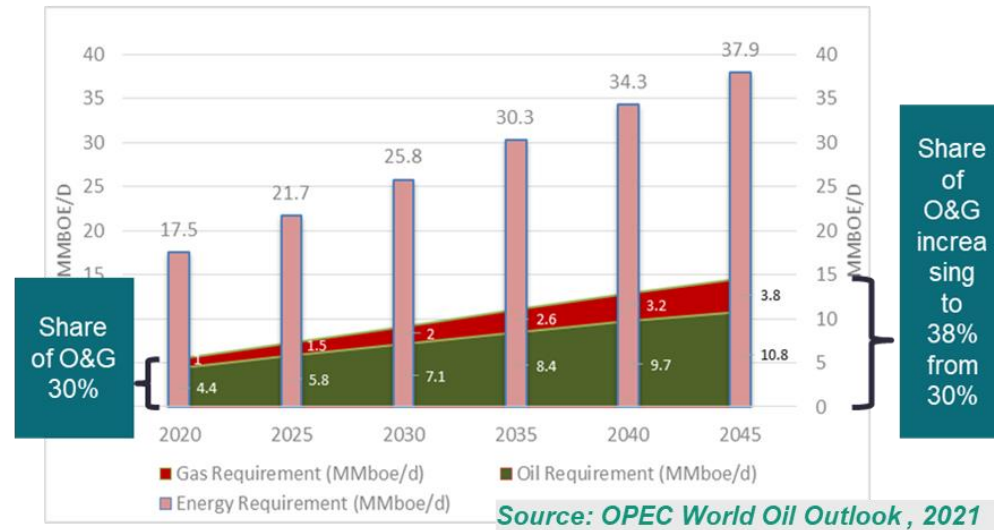
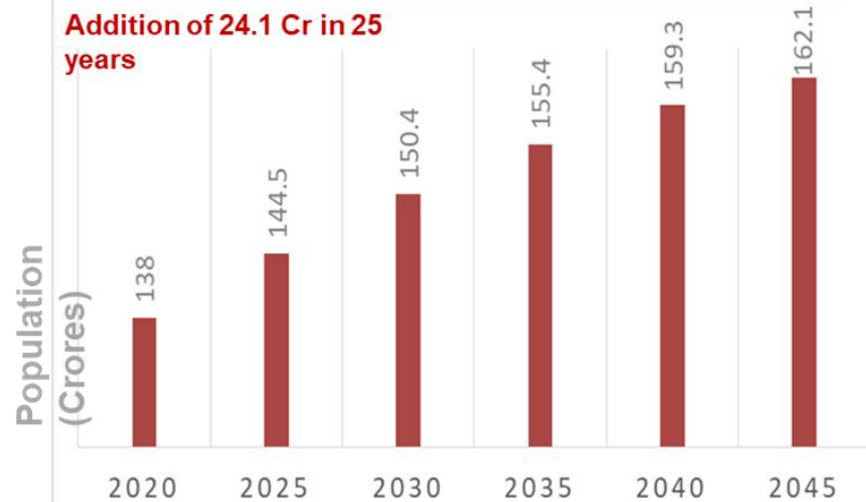
Preamble: Key Drivers

India's energy demand : 1 to become 2x+ by 2040, at a strong CAGR of ~3-4%



Source: IEA energy outlook, BP energy outlook

Preamble: Key Drivers



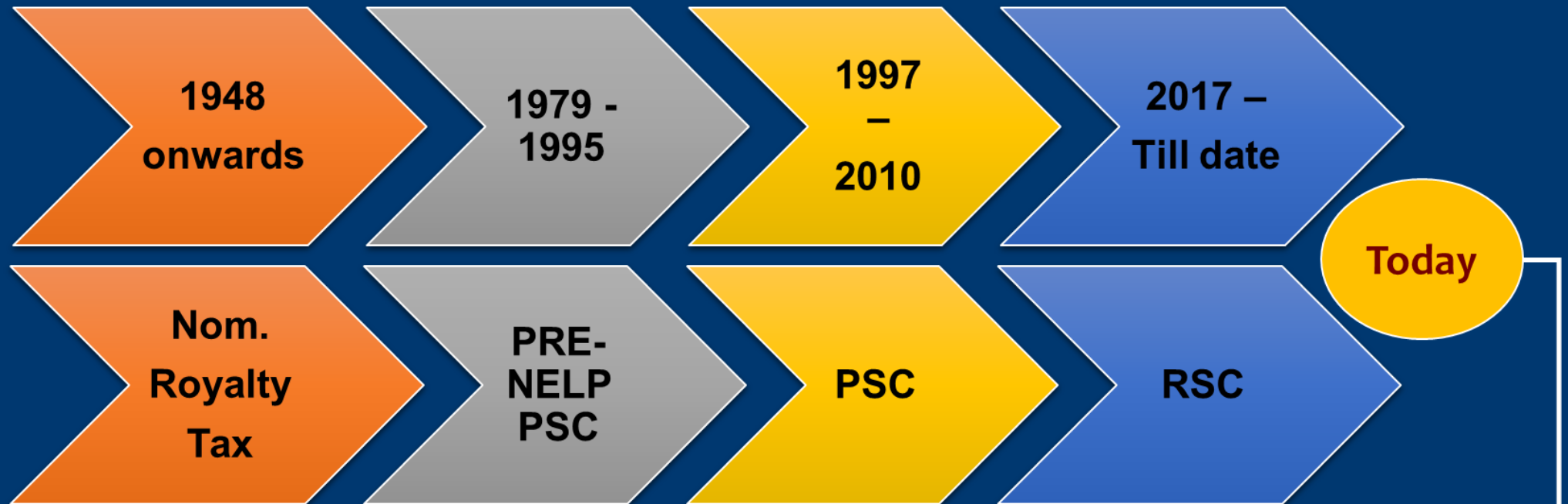
At The Same Time We also Need To Address :

- Climate Considerations
- Processes, skills sets & Technological Interventions to global standards-
- Gear up for exploration- What are the areas and opportunities?

- Growth & Demand Scenario Provide right environment for Participation.
- Positively oriented Government Policy & Operative Fiscal Regime are another Drivers for entry.

Preamble: Key Drivers

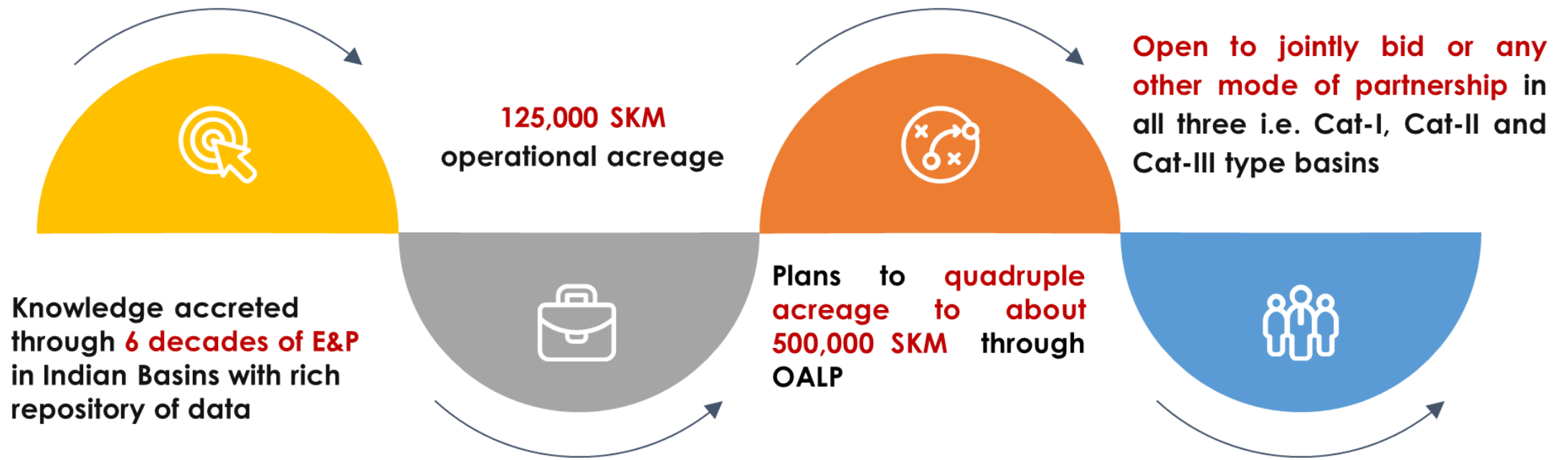
Evolution of Fiscal Regimes



- Shift to 'Enhanced Production Primacy' by the Govt. of India.
- Complete marketing and pricing freedom on produce.
- No Govt take in Cat-II & III basins.
- Choice of block to bid – open to operator. Easy exit option.
- System fast moving towards a Single window clearance

Preamble: Indian Context

Renewed Exploration Thrust



Plans in Place for :

- Acquisition of ~ 9000 LKM of 2D data
- 340,00 SKM of 3D High Quality Seismic
- Drilling of about 550 Exploratory Wells besides 5 new Basin Opening wells
- **At an Exploration Expenditure of about US \$6 Billion**

Preamble: Key Drivers

ExxonMobil
2nd Stage MoU



Technical Workshops



Team Meetings



Technical Workshops and
NDA discussion



ConocoPhillips



Business Acquisition Opportunity



PETRONAS



KOSMOS
ENERGY



International Outreach at Highest Level

- Risk sharing,
- Technology Sharing
- As an Strategic Instrument
- Handling Transition:

Transformation of the core itself. We Believe partnerships built on mutual understanding and symbiotic relationships are the best alternative to M&A for partners to free some capital while still retaining their individual focus, core competence and independence.

Models for partnership include :

- Joint Bidding for new Exploration acreages
- Farm-Out in discovered & matured fields
- Mutual transfer of technology
- International partnerships through ONGC Videsh Ltd.

Serquence of Presentation

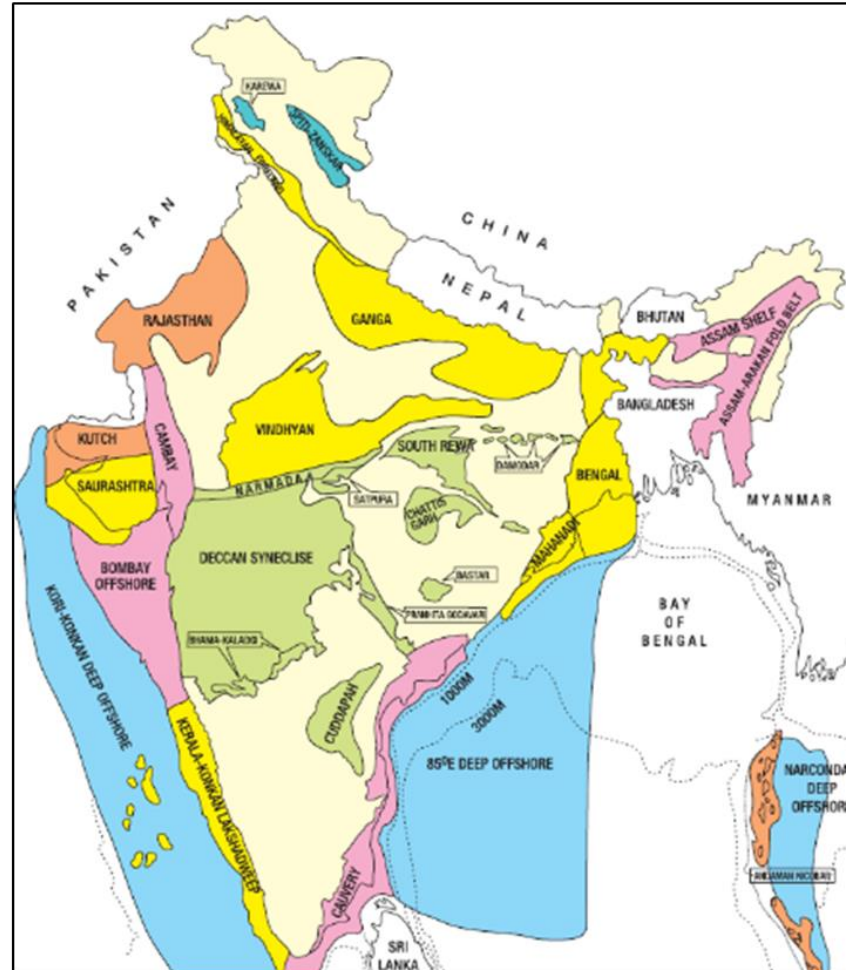
ONGC: Competitive Advantage to be a Preferred Partner

Producing 76% of India's domestic oil & gas

Total Reserves of **In-place** **9245** **MMTOE**

241 Fields (Offshore & Onshore)

Attractive & flexible options of Partnership in **E&P Opportunities in India**



Global Experience in E&P Partnerships.



In-house capabilities across the E&P Chain with **World Class Institutes**



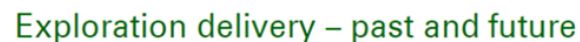
Robust Government Support



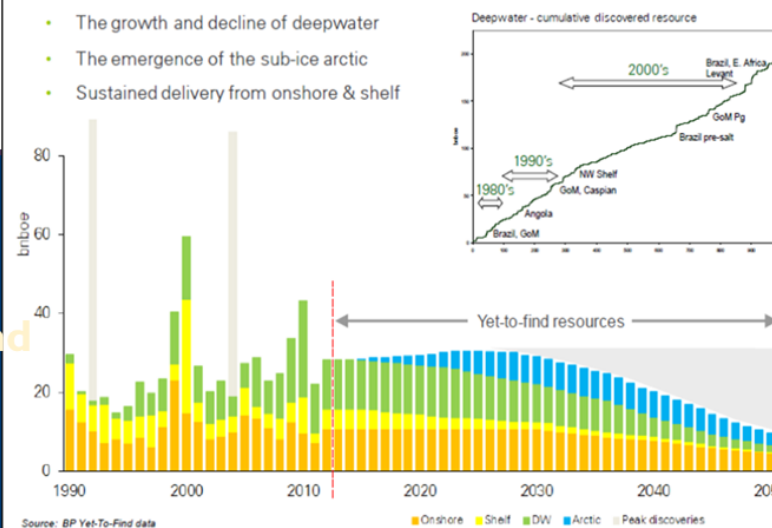
Ethics & Sustainability - the core values

Global Trends Influencing Exploration

- **Future Resource Trends**
- **Deep water: Passive margin** and **Deltas**
- Arctic icebound offshore
- **Re Exploration** of onshore & shallow basins
- **Unexplored rock volume in Mature Basins**
- **Tight oil/ Gas** giants



- The growth and decline of deepwater
- The emergence of the sub-ice arctic
- Sustained delivery from onshore & shelf

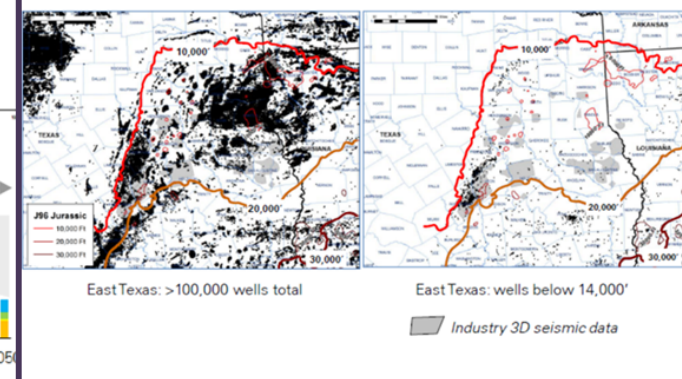


Future Technology trends

- **Striving for perfect seismic image**
- **Ice management, arctic spill response and reduction of environmental impact**
- **Transformation of K & mu & characterisation of unconventional plays**

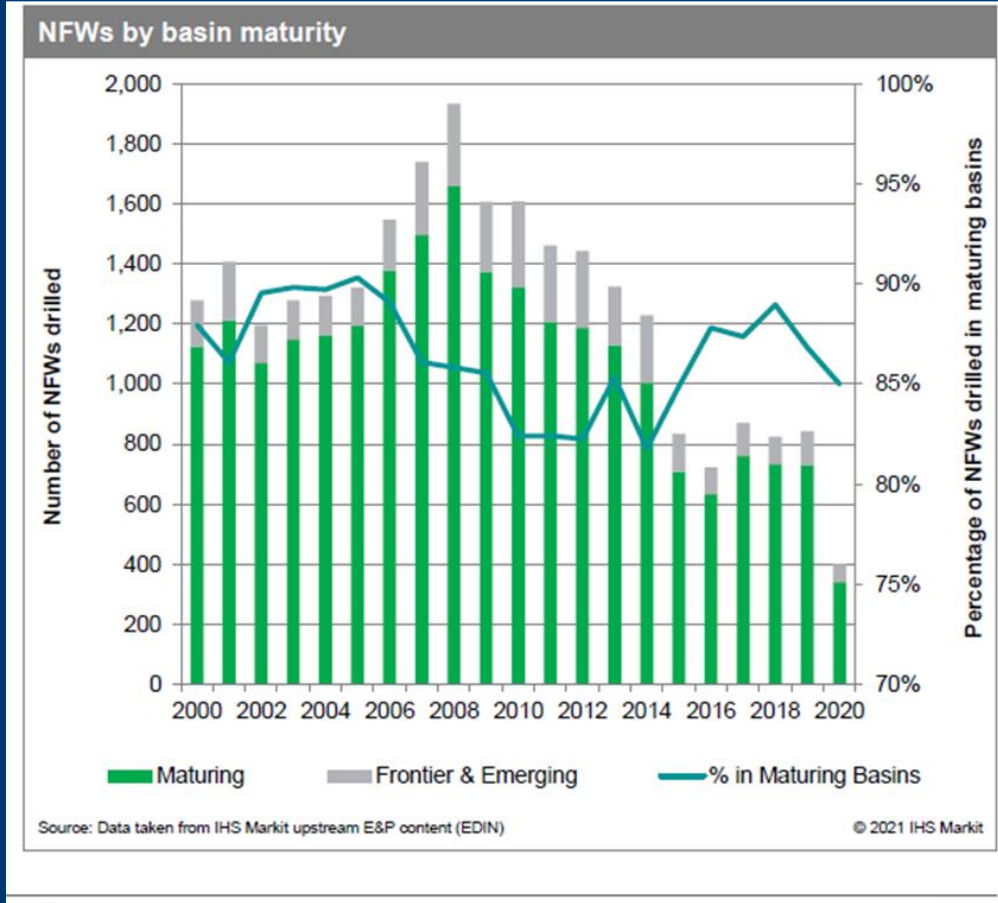
Future Geopolitical trend.

Unexplored rock volume in mature basins



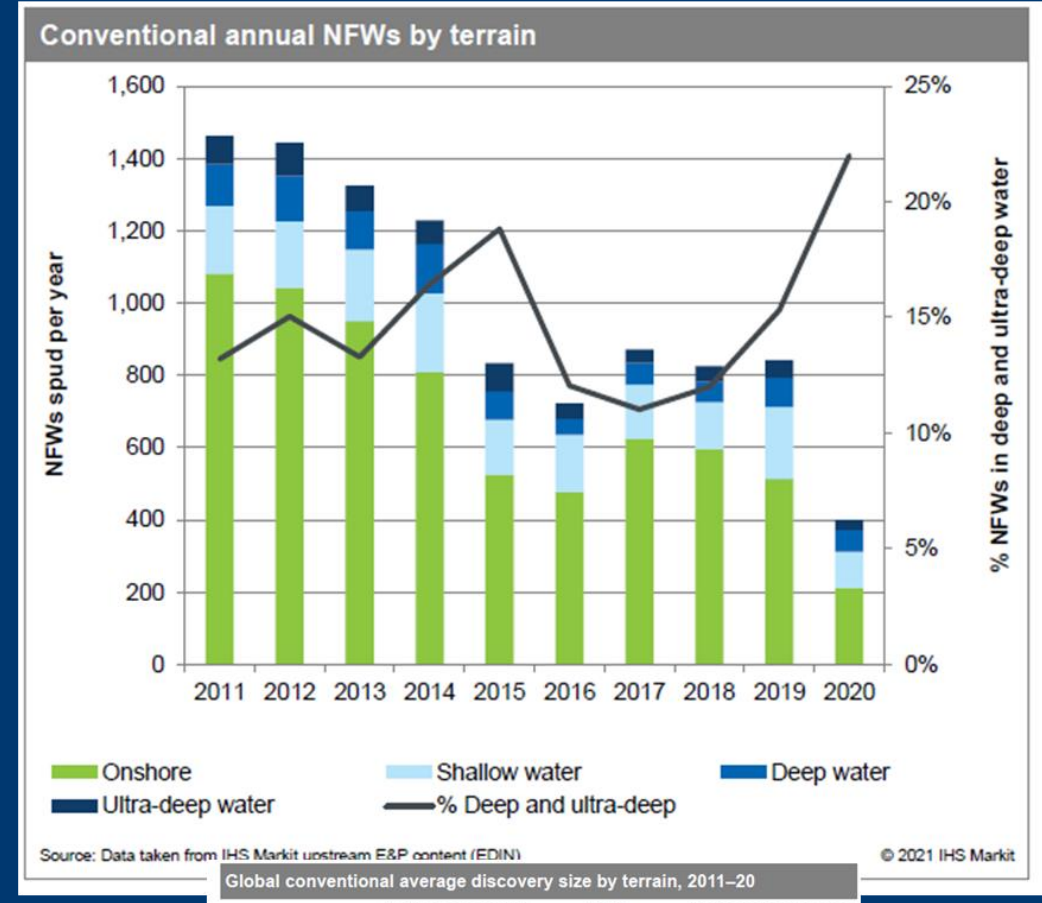
Key Drivers: Global Similarities

Global exploration activity remains focused toward Maturing phase basins



| Average discovery size (million boe) | | |
|--------------------------------------|----------------|------|
| | Last 10+ years | 2020 |
| Frontier/Emerging phase | 86 | 164 |
| Maturing phase | 12 | 12 |

Deepwater exploration is making something of a comeback



Global conventional average discovery size by terrain, 2011–20

| | Volumes discovered (MMboe) | NFWs | Average discovery size (MMboe) |
|------------------|----------------------------|-------|--------------------------------|
| Onshore | 86,727 | 6,831 | 13 |
| Shallow water | 34,083 | 1,677 | 20 |
| Deep water | 42,934 | 866 | 50 |
| Ultra-deep water | 71,114 | 578 | 123 |

Source: IHS Markit

© 2021 IHS Markit

Exploration Thrust & Opportunity Basket

Opportunity Basket

Discovered Resources

- 10 billion Tons of Established Inplace Volume in Producing Basins
- Potential for Maximizing Recovery

YTF Resources

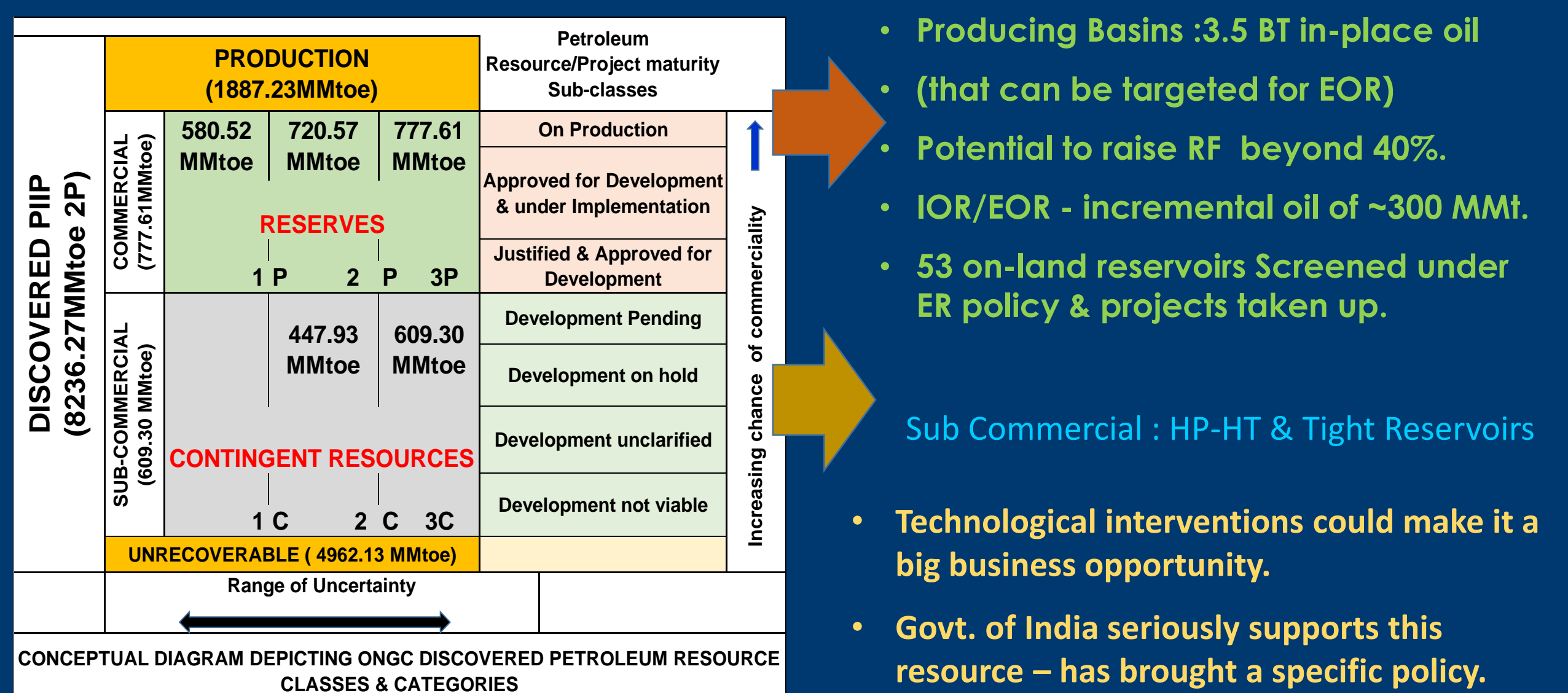
- Huge Potential: 29.78 Btoe in Cat-I Basins : Re-Exploration
- Cat-II & III Basins : Consolidation & Opening New areas

Technology

- Technological Intervention: System & Efficiency improvement

A rapidly growing nation and the available basket offers a challenge & an opportunity for everyone around here

Discovered Resources



Discovered Resources

HP-HT Fields : Vast Potential

| | |
|------------------------------|------------------------|
| Established Inplace | 350 MMT O+OEG |
| Potential Inplace | 900 – 1100 MMT O + OEG |
| Production Potential | 70 MMT in 15 years |
| Large Pay Thickness | (50)-600 m |
| Good Areal Extent of Fields | (10) – 35 Sq. Km |
| High Inplace Volume of Field | (50) - 100 MMT |



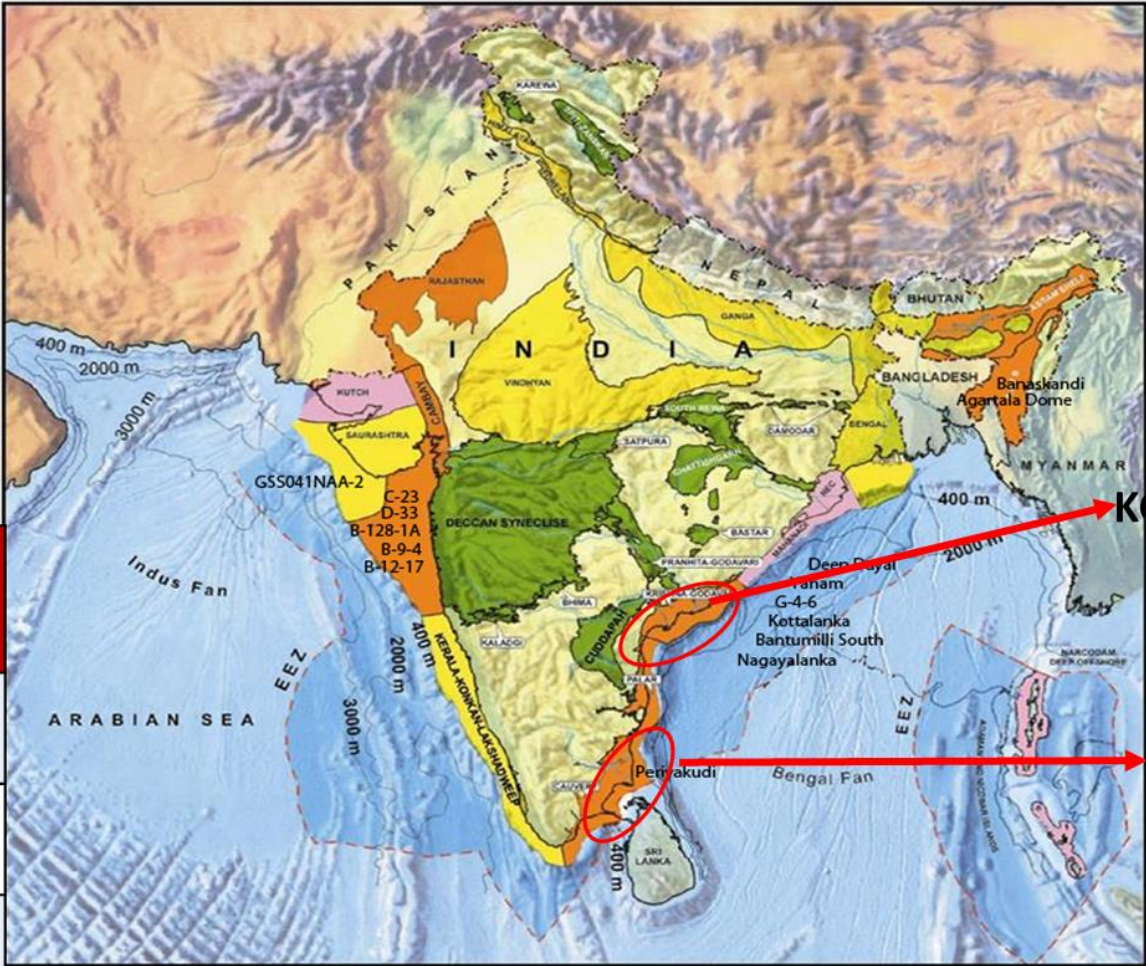
Immense promise for development and production : implementation of fit for purpose technology and services

Discovered Resources

HP-HT wells drilled till date: 61 KG & 5 Cauvery

| Basin | Onland | Offshore |
|---------|--------|---------------------------|
| KG | 26 | 35 (includes Deen Dayal) |
| Cauvery | 5 | - |
| Total | 31 | 35 |

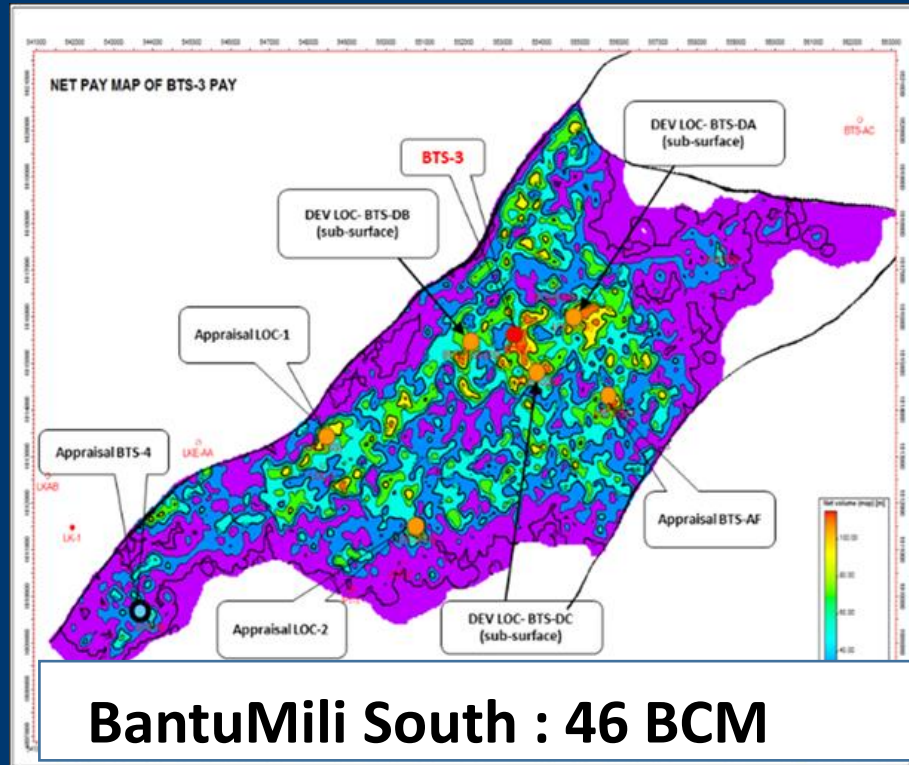
| Basin | In-place (MMTOE) | Ult (MMTOE) |
|---------|------------------|-------------|
| KG | 340.48 | 52.92 |
| Cauvery | 52.12 | 8.36 |
| Total | 392.60 | 61.28 |



KG Basin

Cauvery Basin

Discovered Resources: HP-HT & Tight Portfolio



Challenges:

- HP-HT wells - test the limit of equipments, fluid & stimulation systems.
- Invariably require HF – a challenge in HP-HT conditions
- G&G skills, full value chain (A-P-I- D-P) technology / technique/ skill induction.

Bantumilli South Field

- Early Cretaceous Syn-Rift Play
- Depth Of Occurrence: 4000-4400 m
- Presence of 45ppm H₂S & 12% CO₂
- Reservoir Pressure: >11000 Psi
- Reservoir Temperature : 390 Deg F
- Low Permeability

YTF Resources : Cat-I Basins

Western Onland:

- YTF: 379 MMt oe
- Emerging Plays: Paleocene & E. Eocene
- Mesozoic Possibly

Mumbai Offshore:

- YTF: 2366.5 MMt oe
- Emerging Plays: Panna, Daman, Basal Clastics, Mahua, Bombay

Cauvery Basin:

- YTF: 349 MMtoe
- Emerging Plays: Basement, Early Cretaceous



Assam Shelf:

- YTF: 252 MMtoe
- Emerging Plays: Tura, Sylhet & Basement
- NSP Coverage: NB & Kopili Valley

Assam Arakan Fold Belt:

- YTF: 330 MMtoe
- Emerging Plays: Bhuban & Bokabil
- NSP Coverage: Schuppen Belt, Manipur, Mizoram & SE Tripura

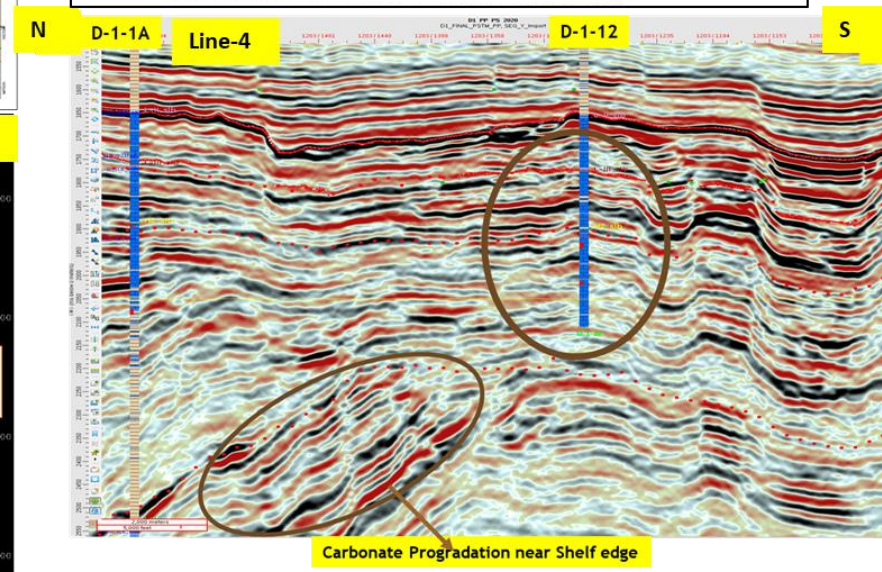
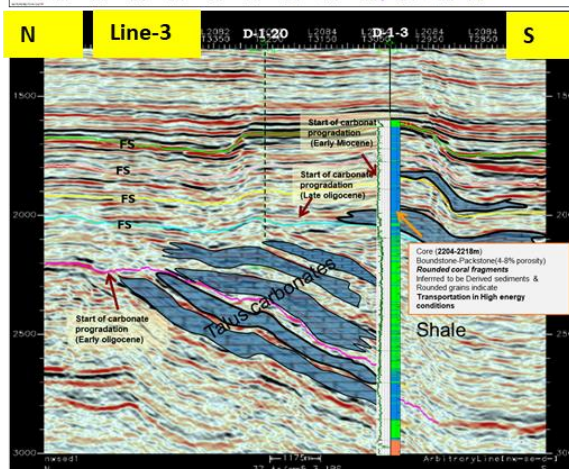
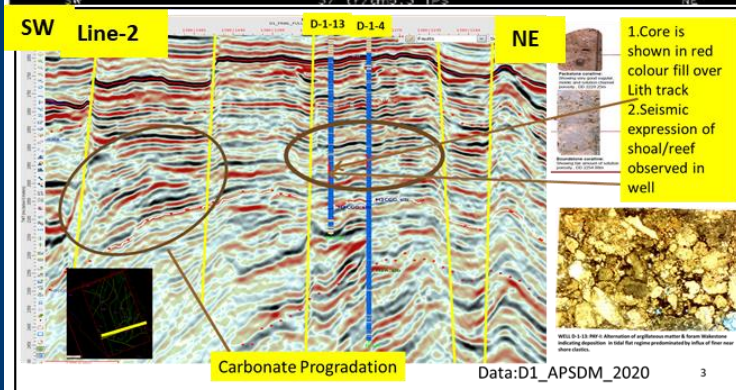
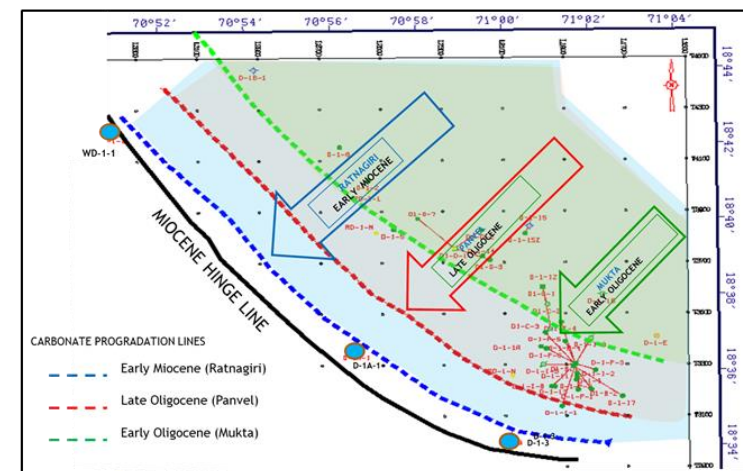
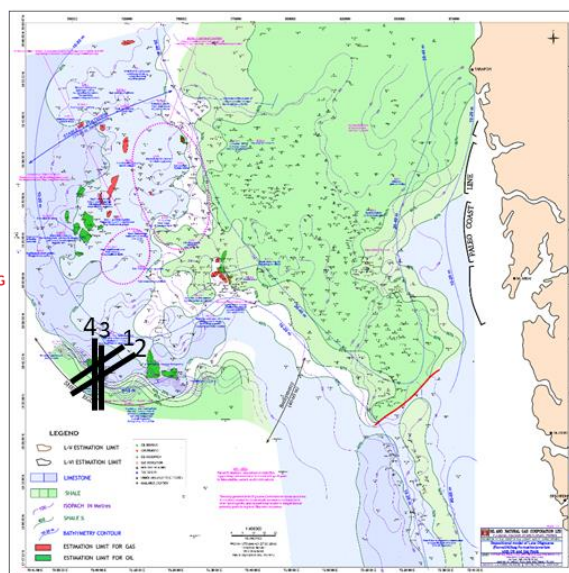
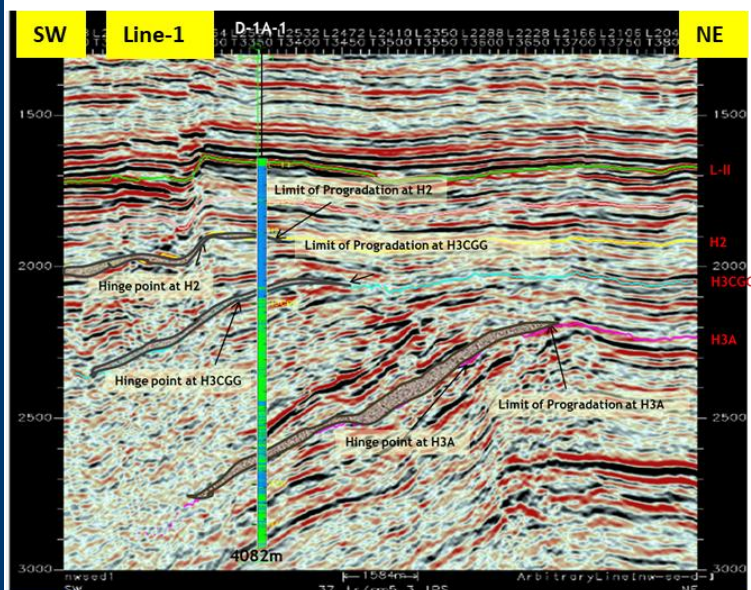
KG Basin:

- YTF: 1569 MMtoe
- Emerging Plays: Pliocene (Biogenic & Thermogenic), Miocene, Cretaceous

- Total Open Acreage :3,50,000 Sq. Km. (Approx)
- Total YTF : 20,476 MMt distributed in 53 plays
- Total YTF in emerging plays : 5245 MMtoe (26 % of total YTF) distributed in 17 plays

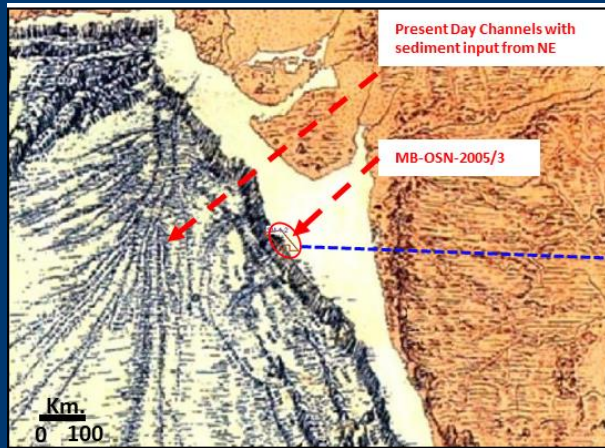
Western Offshore Basin: Cumulative Production : 1335MMtOE, YTF Potential : 4852 MMt

Mature Basins: **Re Exploration** - Progradational Carbonates in Western Offshore



YTF Resources : Cat-I Basins

Western Offshore Basin: Cumulative Production : 1335MMtOE, **YTF Potential : 4852 MMt**



Physiographic map showing block location wrt present day Shelf Break and drainage pattern

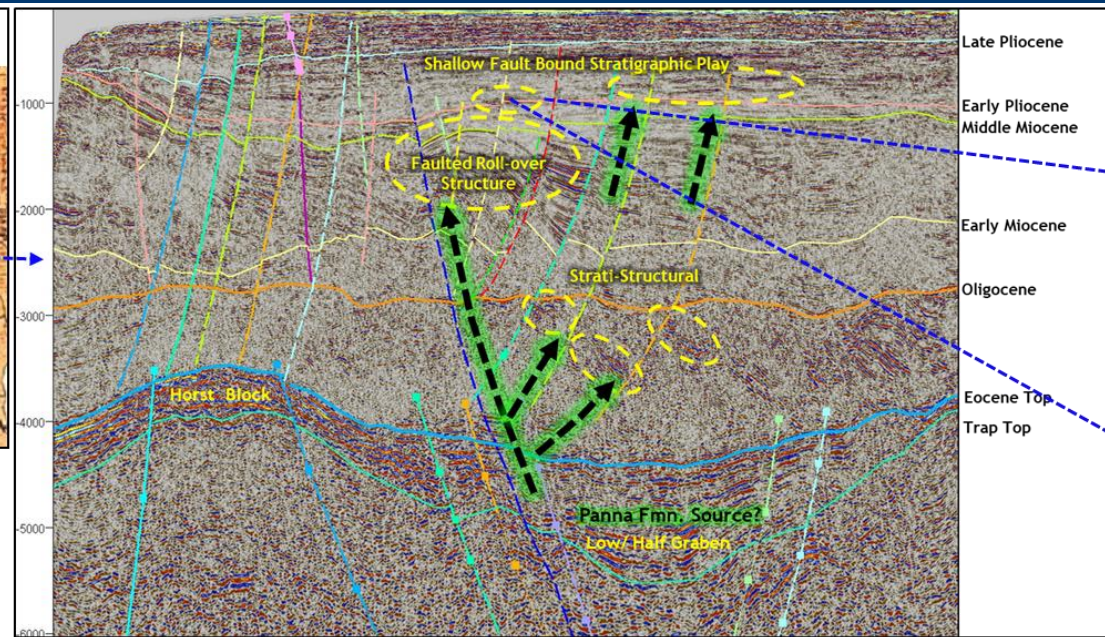
Play types

- ☐ Structural Plays associated with Mio-Pliocene

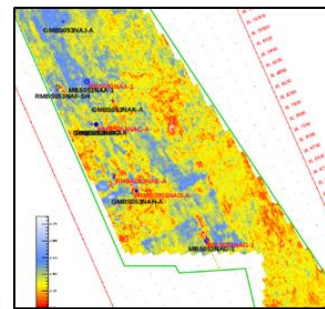
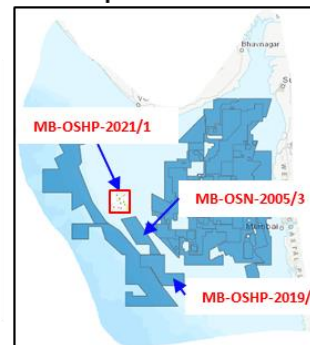
Channel fan depositional Systems

- ☐ Reservoirs input from Indus fan

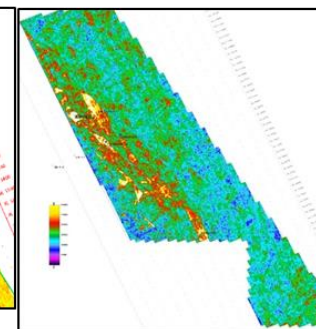
- ☐ The First biogenic gas discovery was made in Block MB-OSN-2005/3 in 2015-16
- ☐ Total established GIIP in NELP block MB-OSN-2005/3 from drilled wells is 10.74 BCM.
- ☐ Based on the success, ONGC has acquired OALP block MB-OSHP-2019/1 in the South and OALP block MB-OSHP-2021/1 is under acquisition in the North to the MB-OSN-2005/3



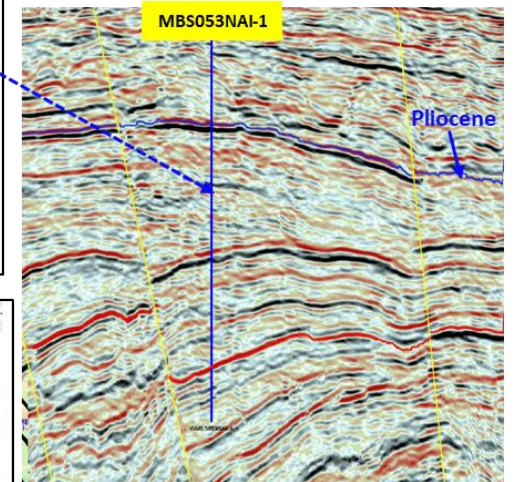
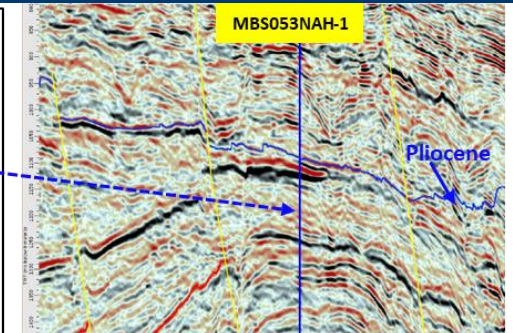
Migration & Entrapment



Vp-Vs Anomalies At Pliocene



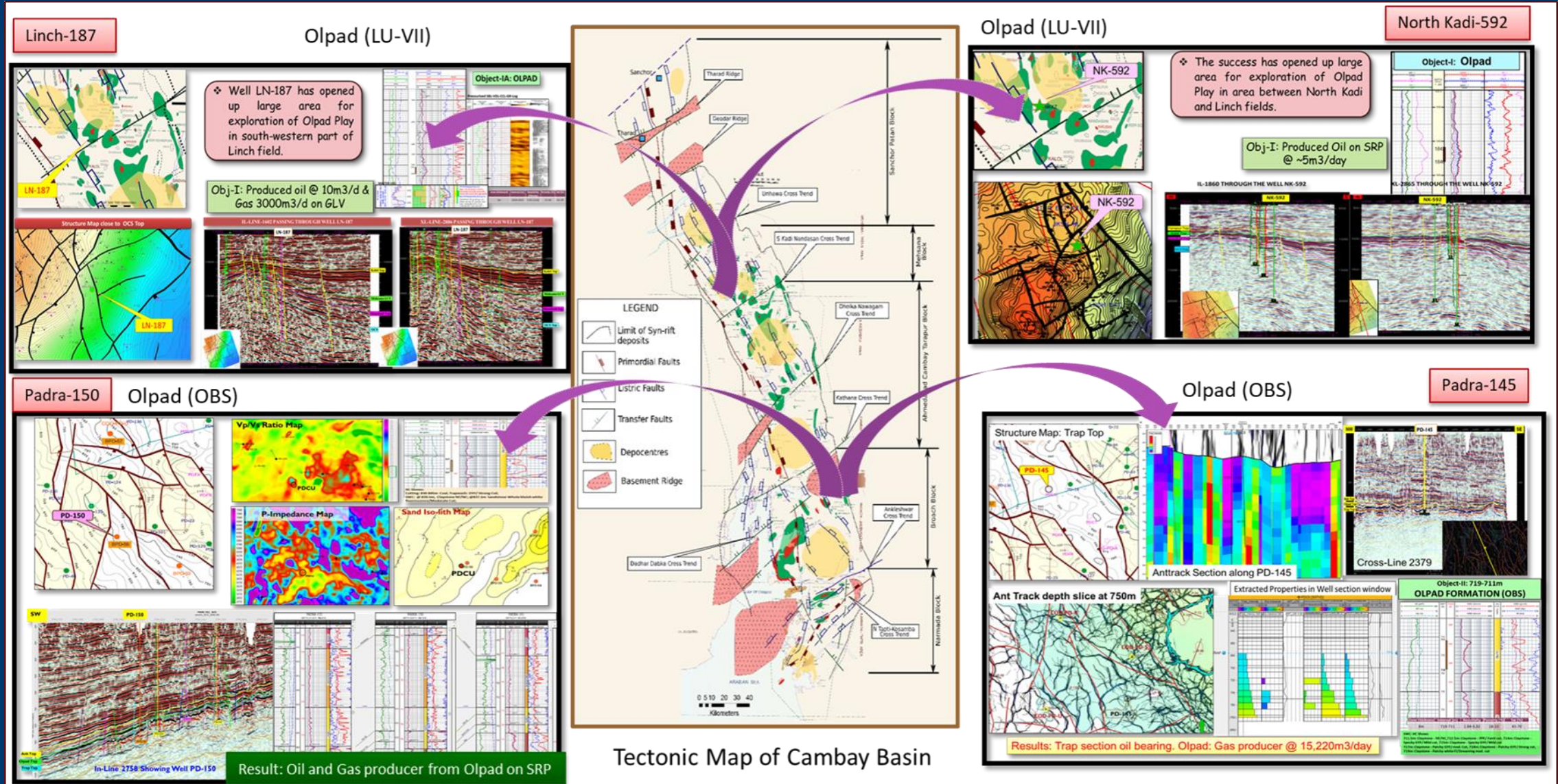
RMS Map At Pliocene- MB-OSN-2005/3



The detailed Sedimentological studies brought out that the reservoirs encountered in the drilled wells within Pliocene sequences are envisaged to be Contourite deposits.

YTF Resources : Cat-I Basins

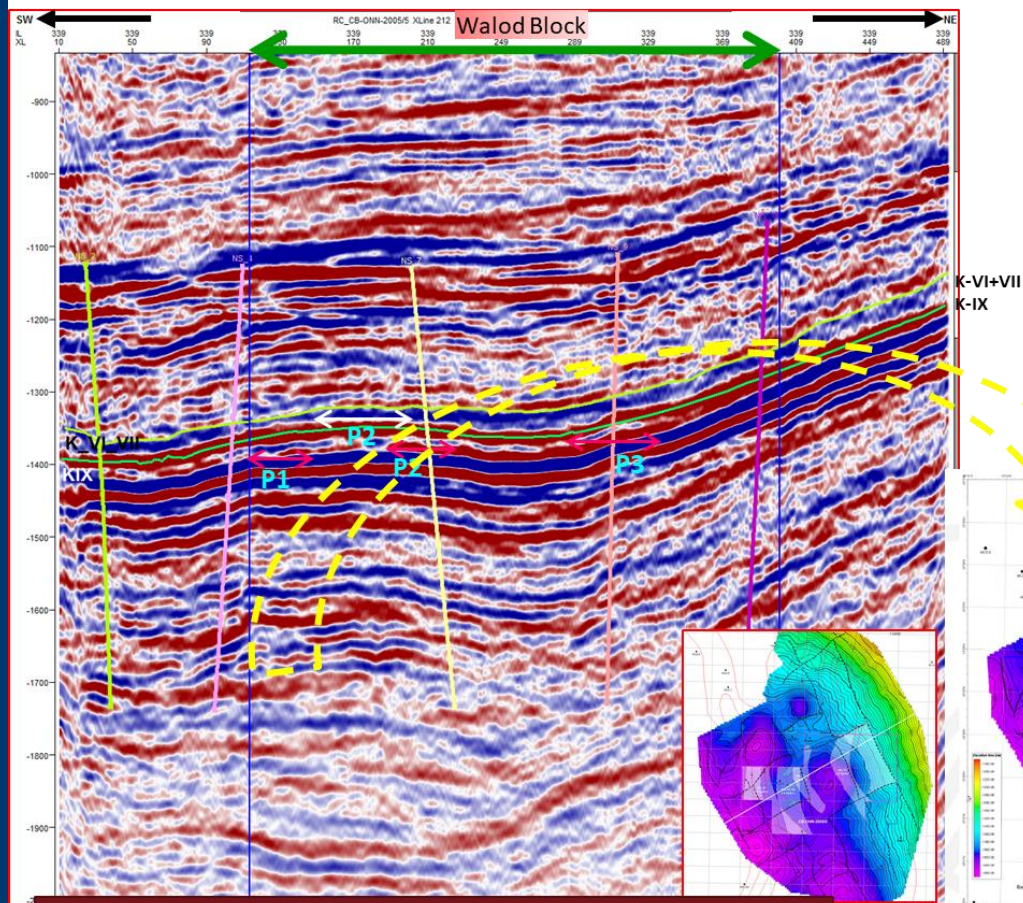
Cambay Basin: Cumulative Production : 354 MMtOE, **YTF Potential : 786 MMt**



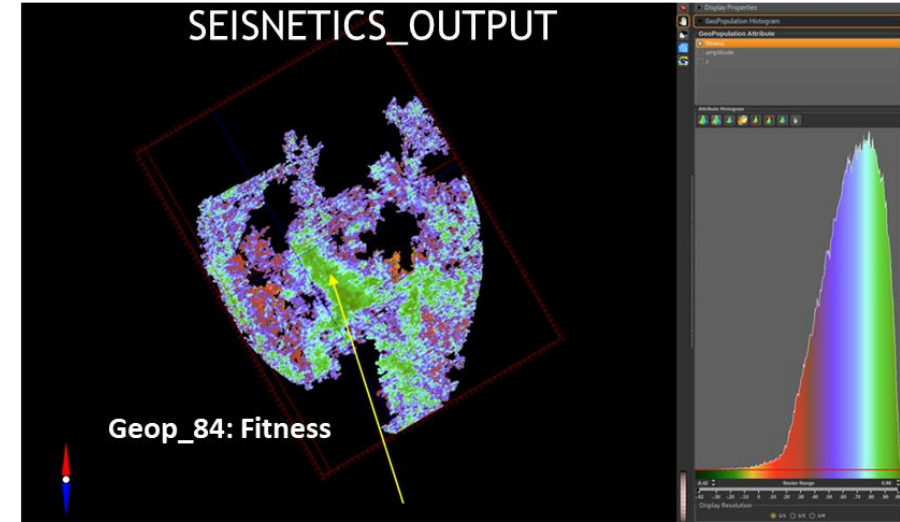
YTF Resources : Cat-I Basins

Cambay Basin: Cumulative Production : 354 MMtOE, **YTF Potential : 786 MMt**

Mature Basins: **Re Exploration-** Unexplored Deeper Play : Cambay Basin



Interpreted IL-339 through Walod OALP Block

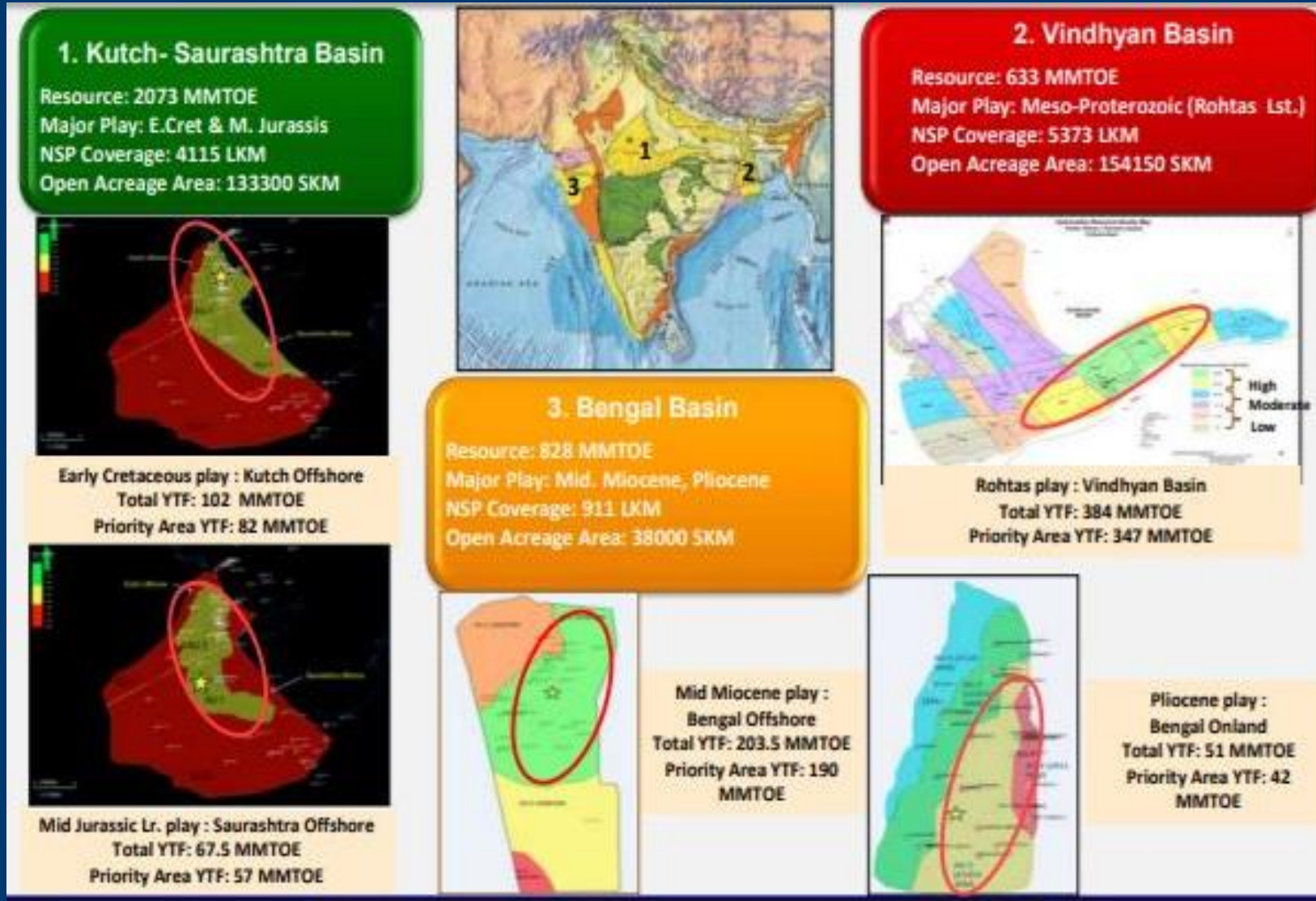


Green Colour indicates highest confidence for similar waveform

Likely extension of the Geo-body

(Structure appears to be available)

YTF Resources : Cat-II Basins



- Discoveries Made
- Consolidation Efforts Through Appraisal underway
- Kutch Offshore on verge of Development
- Exploration in these basins is expanded aggressively

YTF Resources : Cat-II Basins

Exploration Opportunities in Cat-II Basin : Vindhyan Basin

Comparing to Hatta 2 Discovery: Larger Giant Field

Khazzan-Makarem-Ghazeer Field, Oman Basin, Tight Gas Giant field (>10 Tcf Gas recoverable)

- ✓Reservoir lithology: Carbonate Rock & Siliclastics
- ✓HC type: Gas or Tight Gas
- ✓Faulted Anticline
- ✓Reservoir Age
- ✓Depositional Environments

A giant Ordovician to Proterozoic tight gas discovery; it is one of the region's largest unconventional tight gas accumulations and according to BP, it has the potential to be a major gas supply for Oman for decades to come (at least 40% increase to natural gas supply).

Comprises a dip-closed drape anticline developed over the Makarem High, a regional basement arch. The reservoir horizons thin over the structure's crest, with the Birba absent over the crest, indicating the structure was already a positive feature in the upper Neoproterozoic to Cambrian.

Oman Basin

Intracratonic Syn-rift in Late Precambrian, developed into post-rift interior sag by early Paleozoic. Southern passive margin of Tethys Ocean in Mesozoic; thick carbonate deposition. Shallow marine carbonates, siliciclastics and evaporites were deposited in several Infra Cambrian to Early Cambrian rift basins.

The Amin & Buah formation sub-units are a connected reservoir, and these are sandstone siliclastic type reservoirs deposited in a similar alluvial/lacustrine environment as the Kaimur Group – reservoir discovery in the Nohta 3 well in the Vindhyan Basin.

Green Development concepts:

BP reported in its Socioeconomic review Oman 2020, released in May 2021, that as part of BP's pledge to advancing the low carbon agenda, Khazzan was the first field in Oman to introduce "green completions"; a zero-flaring concept where produced hydrocarbons during well test operations were "cleaned" and then routed to processing facilities for export rather than being flared. BP had successfully delivered 23 well and re-tested three wells in Oman using the "green completions" concept.

Less focus on Basin constraints and a look at detailed information on a matching aged reservoir with similar tight gas reservoir but on a far larger scale development.

YTF Resources : Cat-II Basins

Exploration Opportunities in Cat-II Basin : Vindhyan Basin

Comparing to Hatta 2 Discovery: Giant Field

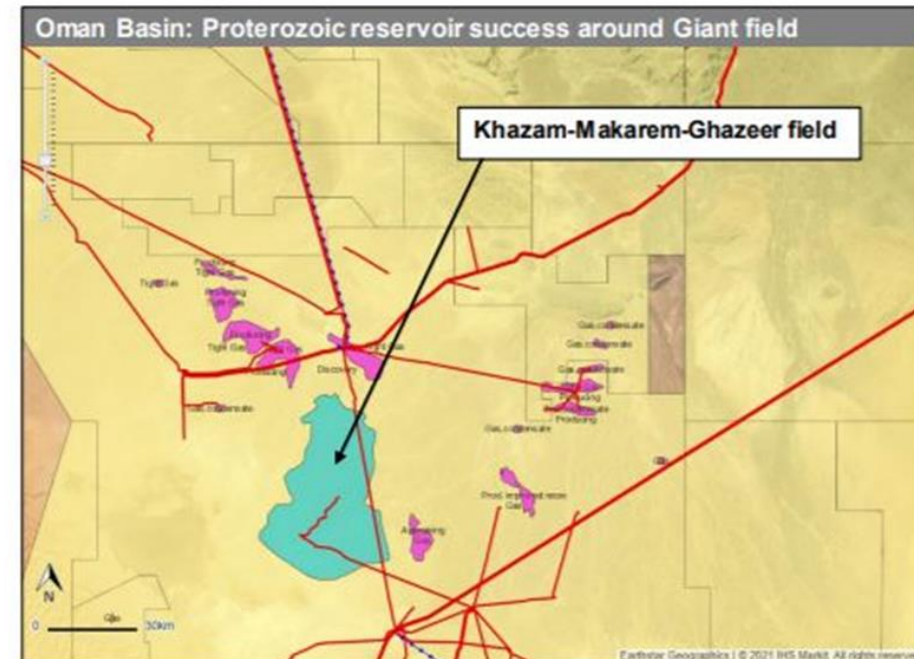
Khazzan-Makarem-Ghazeer Field – tracing smaller marginal matching discoveries

Success followed with marginal fields matching the same reservoir and HC Type and these were cost effectively tied into existing infrastructure. Play chasing and using the detailed Giant Field as a bases to explore new structures.

60% of the marginal fields are on production with 20% under appraisal with plans to tie into existing infrastructure for cost-effective short-term gas production.

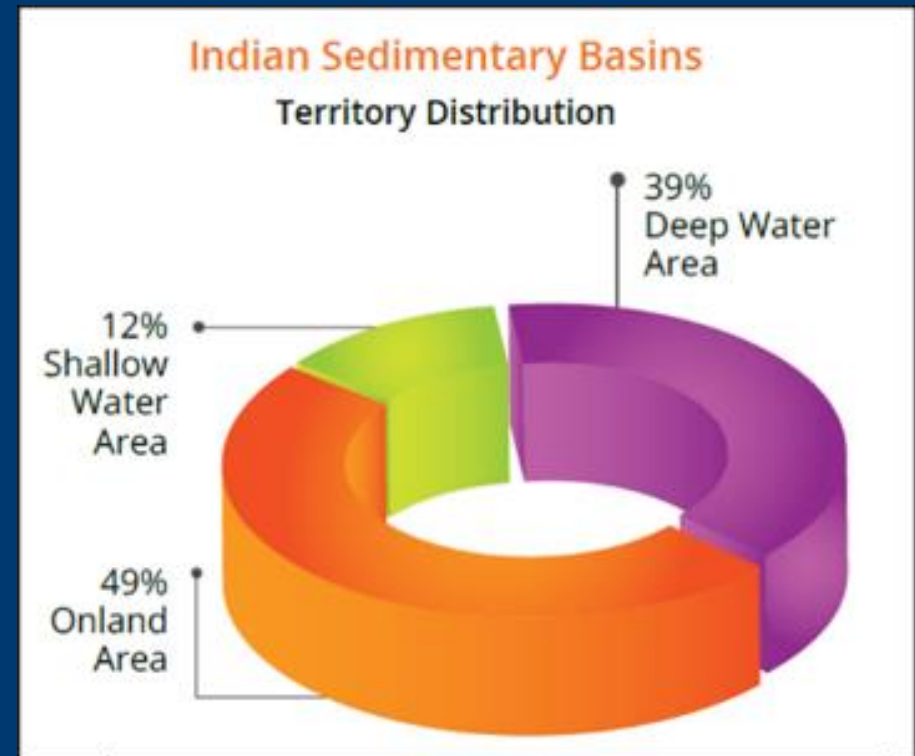
- Consider the possibility of chasing the Vindhyan Group to find matching structure types.
- Not defining analogues on a direct reserve match, looking at larger scale fields to pick out using the development remarks to note possibly reservoir complexity issues which would be a higher cost risk in a smaller sized discovery.

- ✓ HC type: Gas or Tight Gas
- ✓ Faulted Anticline
- ✓ Reservoir Age
- ✓ Carbonates and Siliclastic reservoirs



YTF Resources : Deep Water

- Our biggest development project near completion. FDP underway for two more clusters.
 - Significant YTF – with existing infrastructure (Cluster-II) –
 - Strategic relook : ONGC intends to consolidate
-
- KG basin significant discoveries.
 - Cauvery, Mahanadi & Andaman – oil & gas discoveries.
 - Large size discoveries have eluded us so far.
 - Very poorly explored.
 - Less than 150 prospects drilled in an area of 1.3 MMKm².
 - Cost and technology intensive.

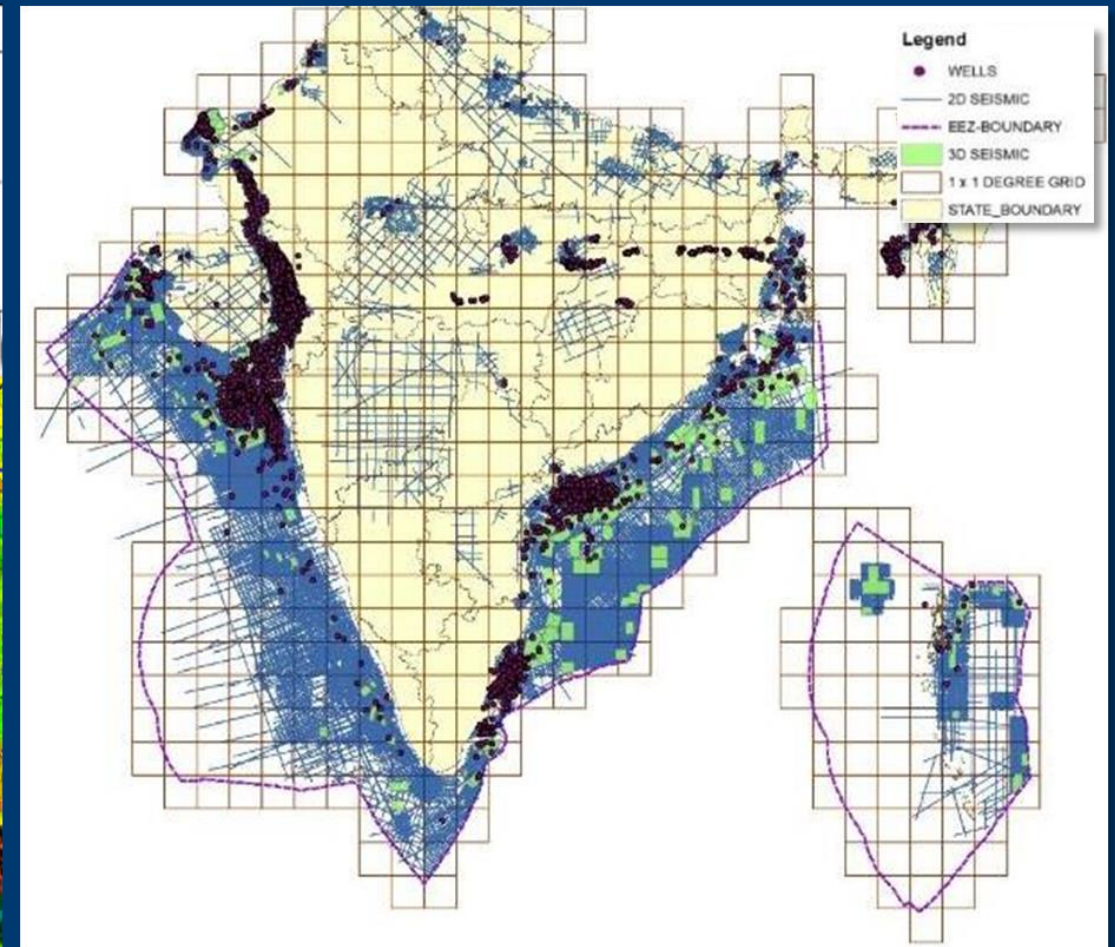
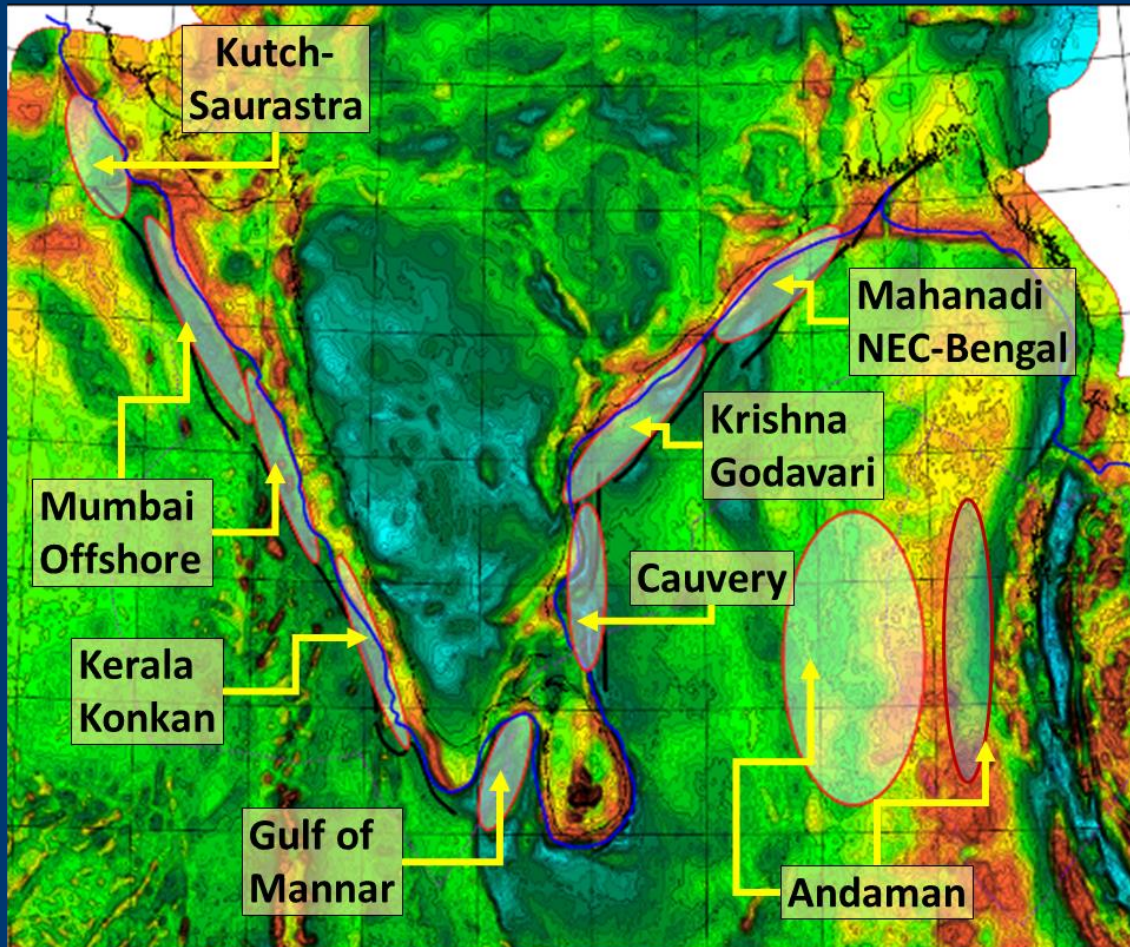


YTF Resources : Deep Water

DATA AVAILABILITY IN DEEP OFFSHORE BASINS

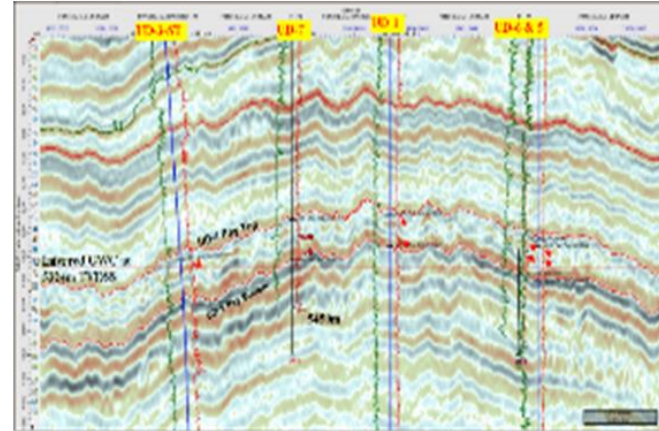
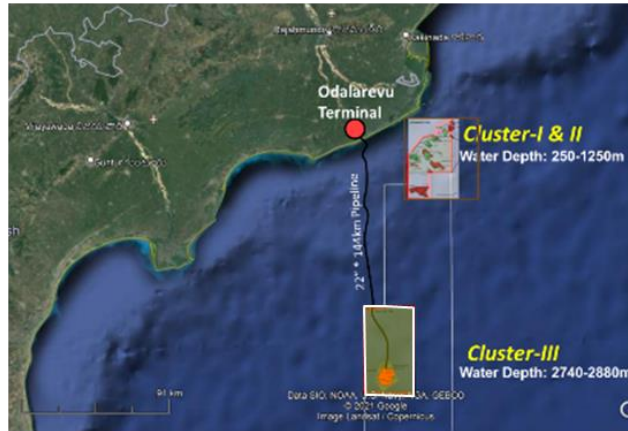
2D Seismic density : ~ 250 LKM/1000 SKM

Expln. well density: ~ 0.1 Well/ 1000 SKM

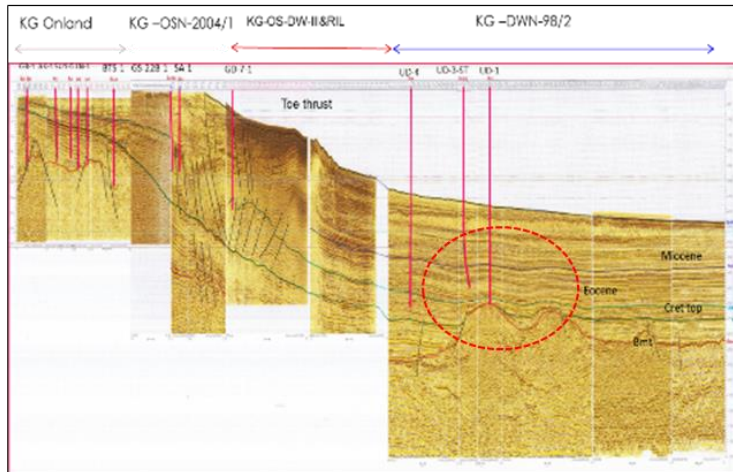


YTF Resources : Deep Water

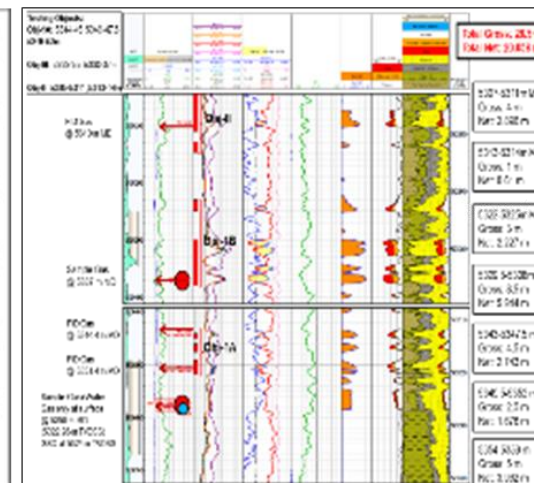
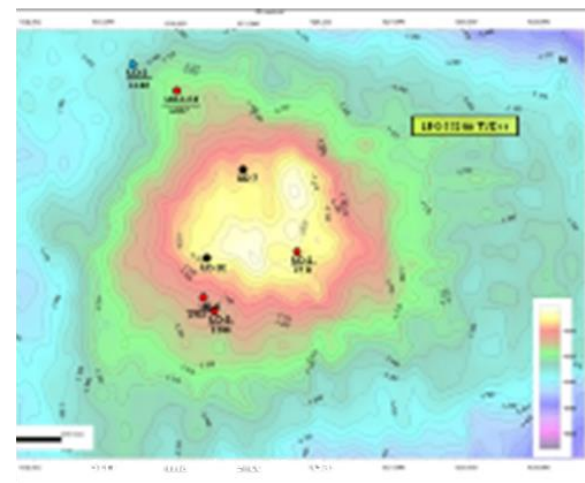
Expln. Opportunities: Cluster-III: Ultra DW Discovery



- Estimated In-Place of 87 BCM.
- Water Depth: 2700-2900m
- Located about ~144 km from the nearest land-fall point.
- Target Depths up to 5400 Mts.
- Field is Under Appraisal
- FDP submission planned by 1st August 2022.
- Approx CAPEX: 3.2 Billion \$

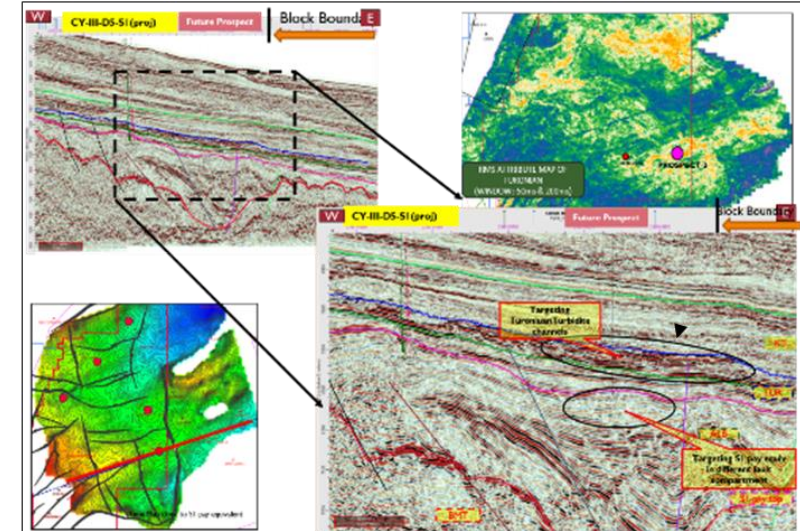
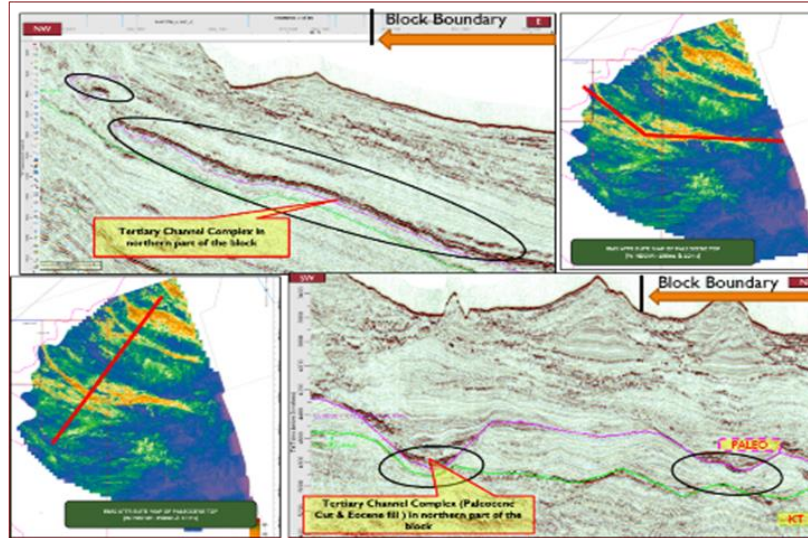


RC seismic section through wells UD-3/3-ST, UD-7, UD-1, UD-6 & UD-5



YTF Resources : Deep Water

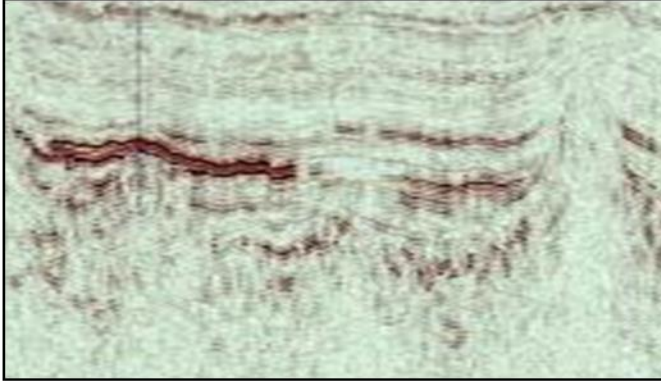
Exploration Opportunities: Cauvery deep offshore



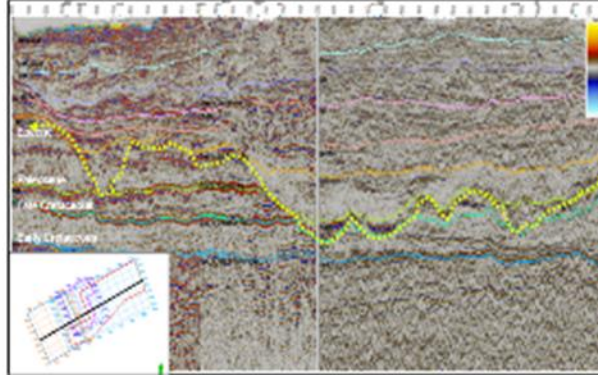
- Hydrocarbon potential is envisaged from Basement to Tertiaries.
- Proven HCs in fractured Basement & Late Cretaceous slope fan systems in shallow offshore.
- Several strati structural features present in deep & ultra deep water area.
- Major grabens akin to onshore with thick Synrift sediments.
- Exploration history suggest active petroleum systems - economic challenge needs to be overcome.

YTF Resources : Deep Water

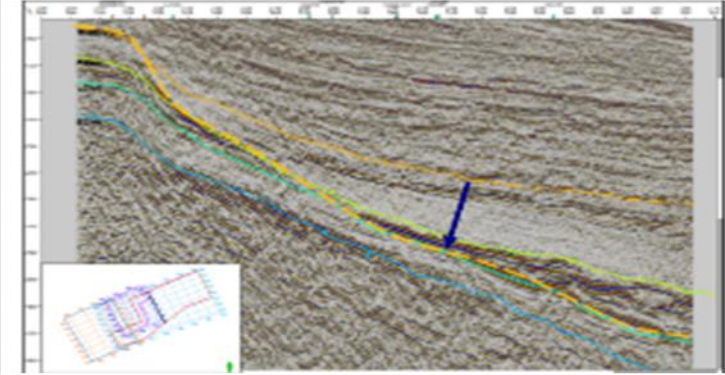
Cretaceous Fan



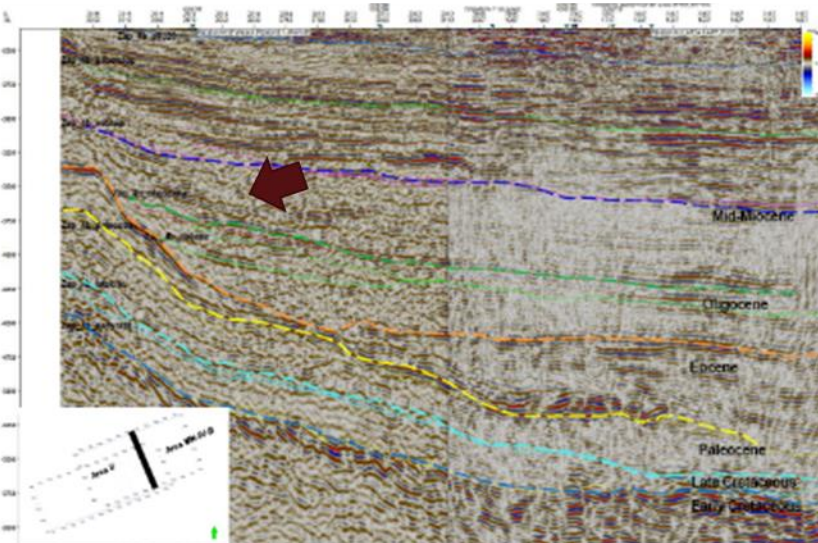
Eocene Unconformity



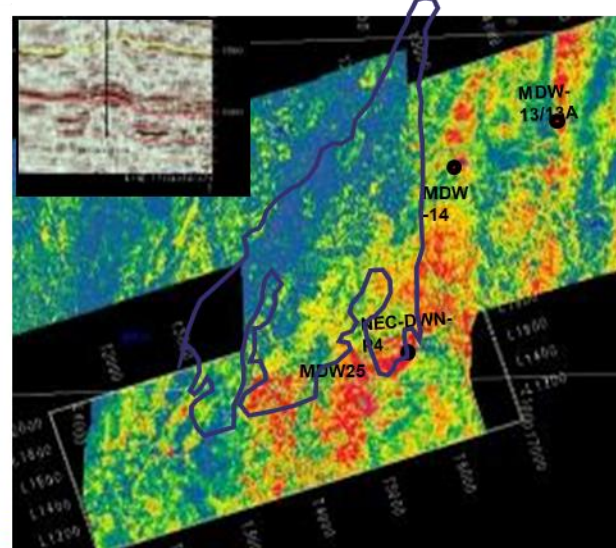
Eocene reworked Carbonate



Oligocene Wedge



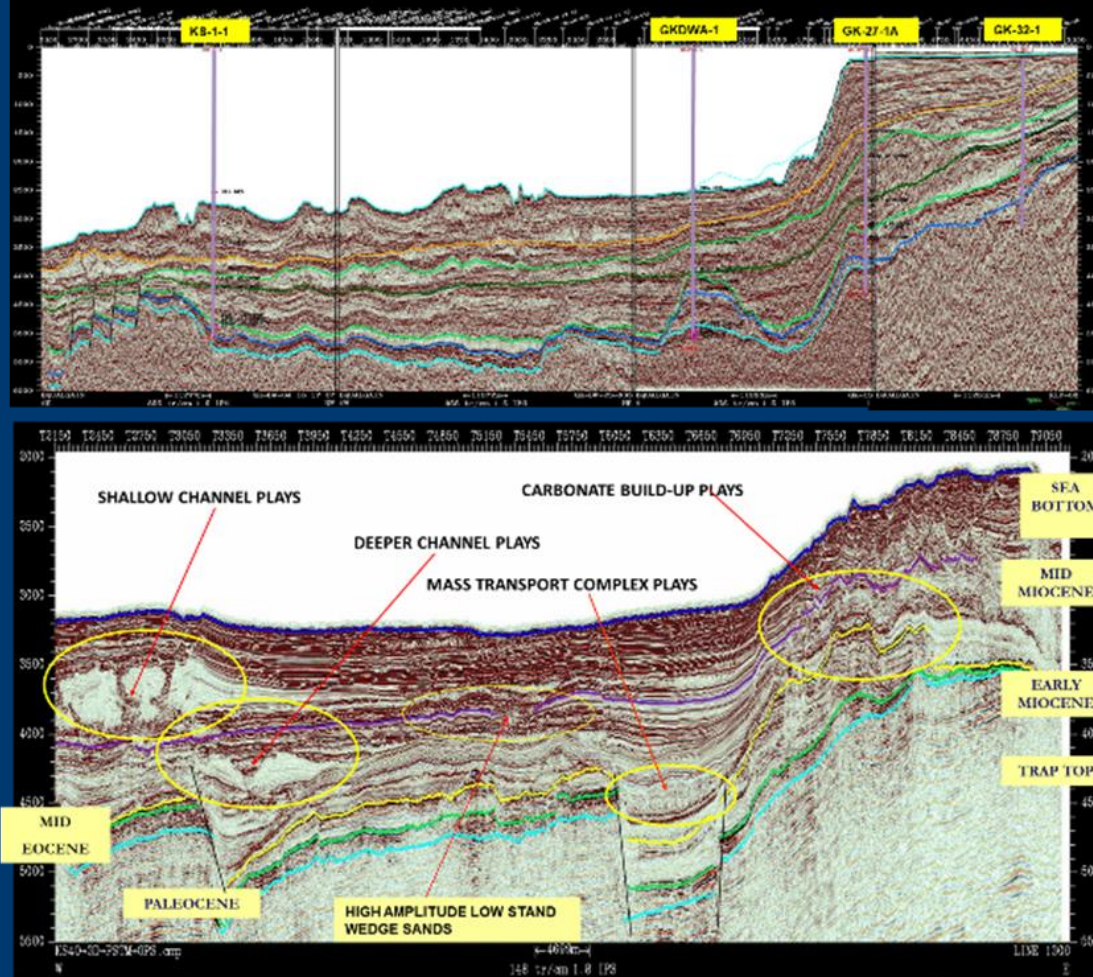
Mio-Pliocene slope channel fan system



- 8926 LK 2D, 29,500 SK 3D
- 26 Wells - 7 gas discoveries.
- Biogenic gas in Mio-Pliocene & Paleogene in Many discoveries by ONGC and RIL.
- 81 MMt in[place assessed by ONGC.

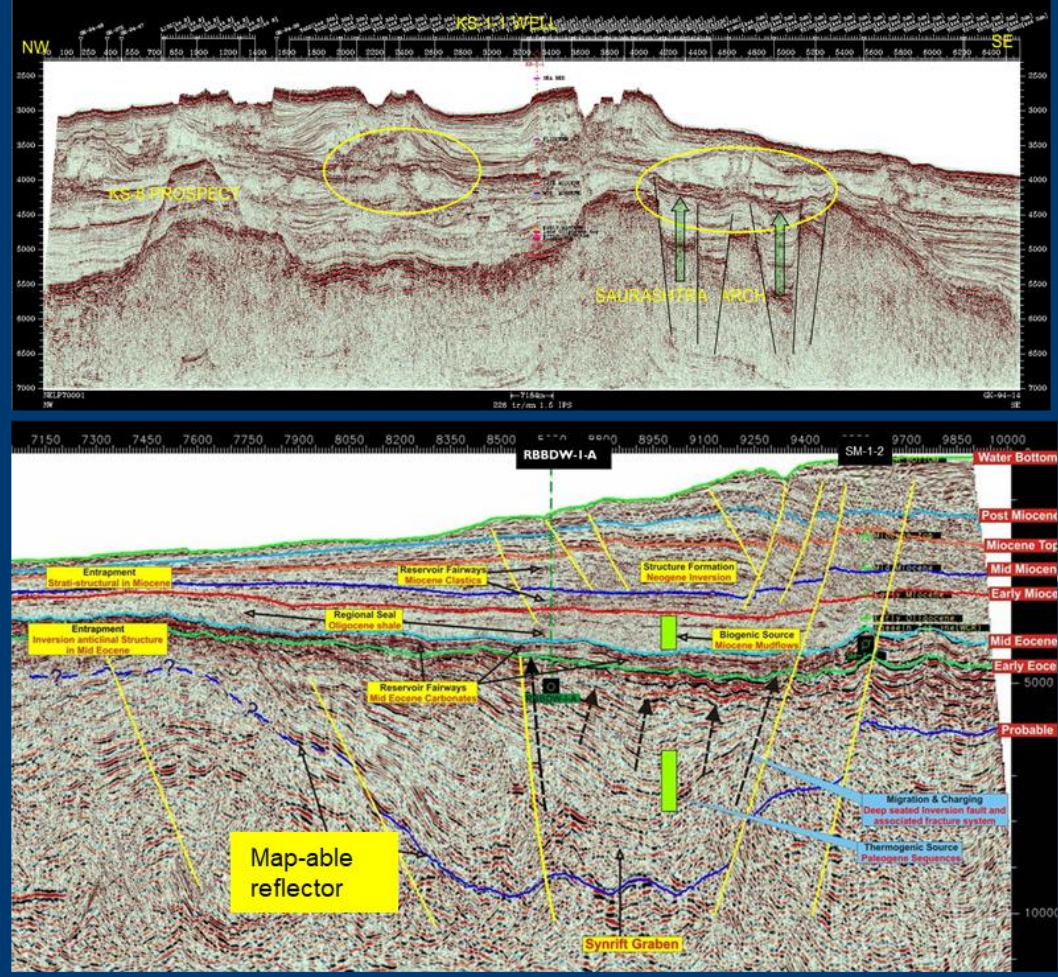
YTF Resources : Deep Water

RC Line depicting deep water set up un Kutch offshore



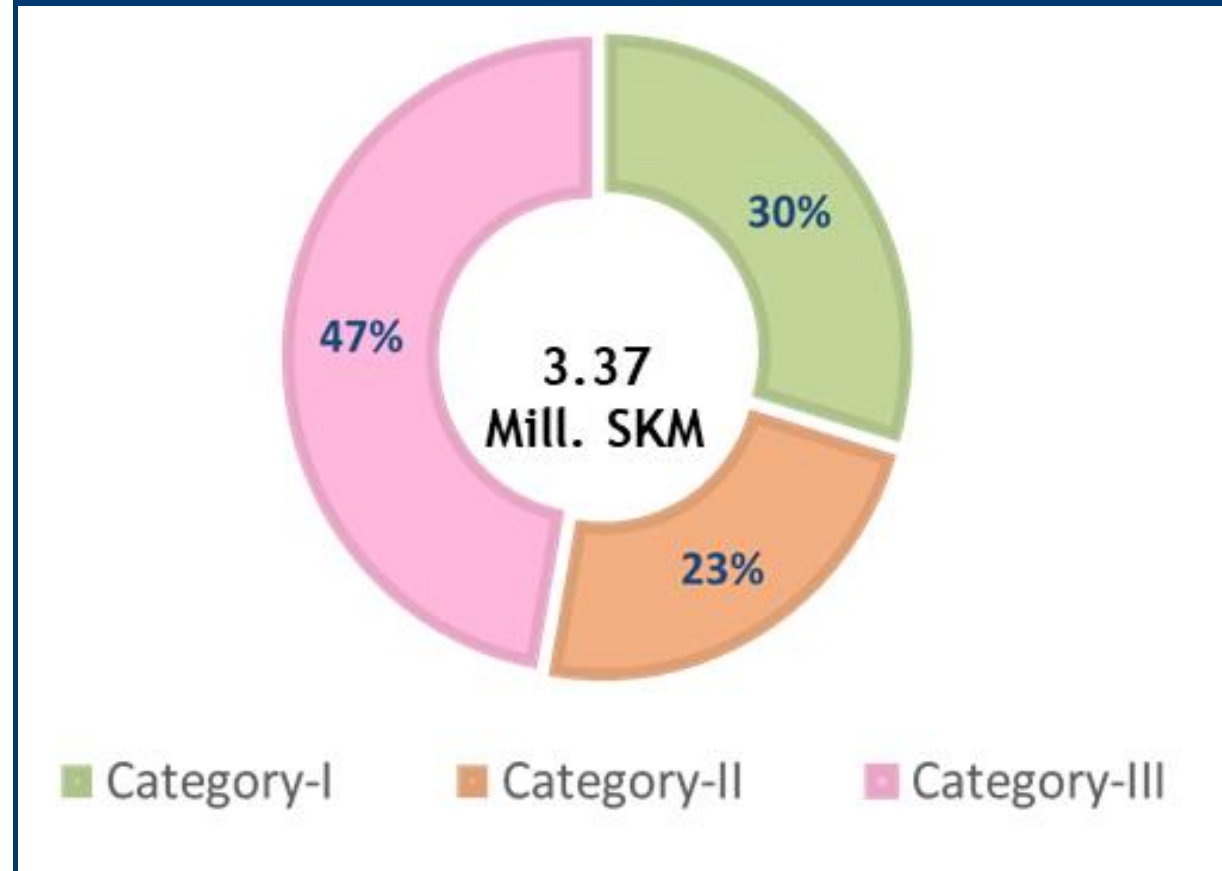
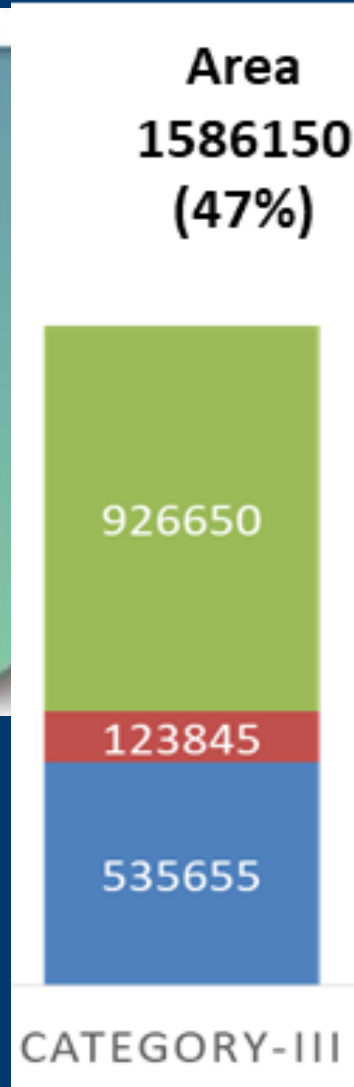
RC Line depicting deep water play opportunities WCMI

Another glimps at Kutch offshore



Deep water play opportunities Mumbai offshore

YTF Resources : Cat-III Basins





■ DW Area

■ SW Area

■ Onland Area

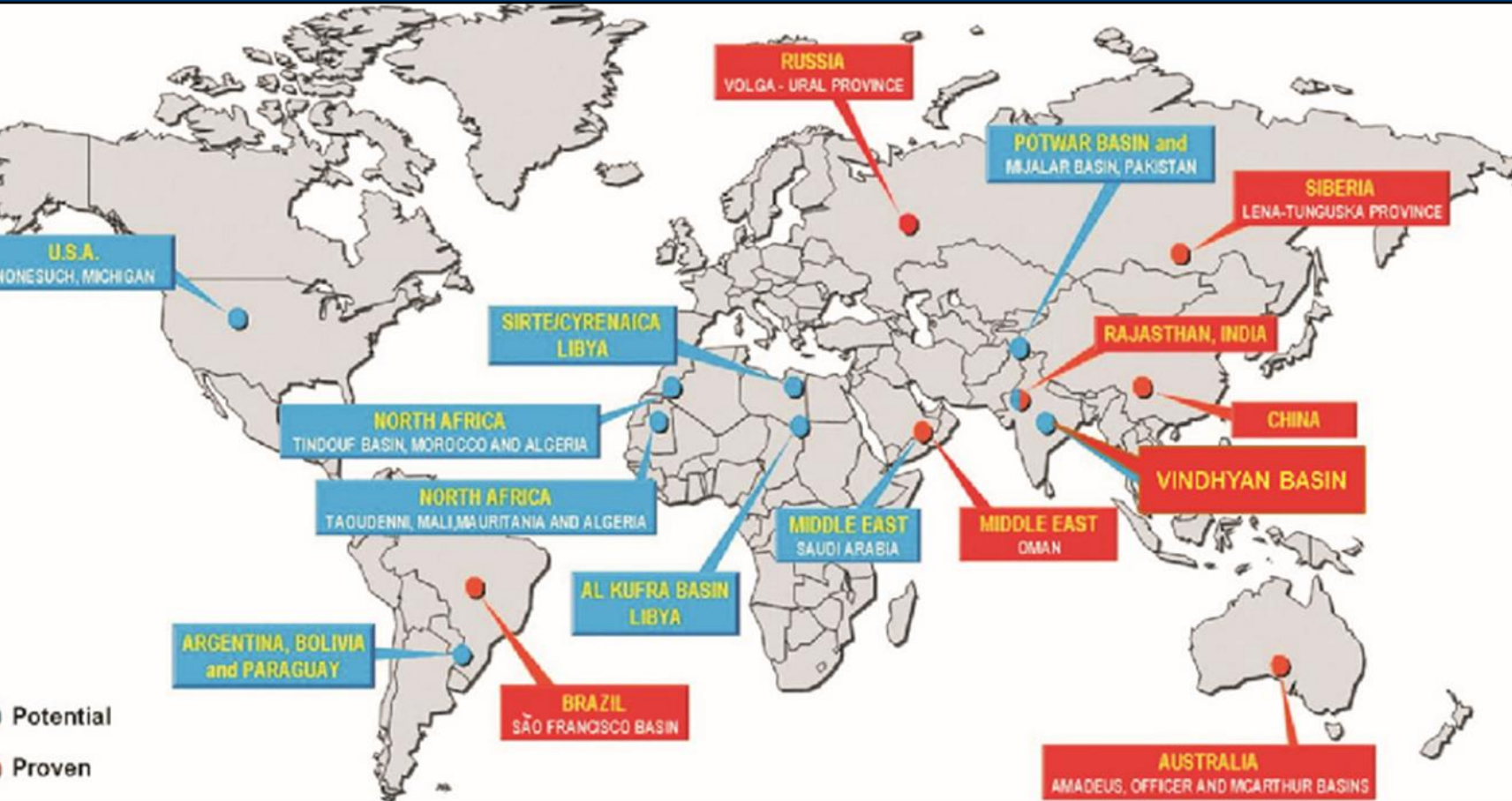
Basins Offering wide variety of Tectono-sedimentary Evolutionary History to whet Intellectual Apatite for all

YTF Resources : Cat-III Basins

| S.No. | Cat:III Basins | Plays in the Basin | Type of Basin | Analogous Basin(s) |
|-------|------------------------|---|---|---|
| 1 | Bastar |  Proterozoic | Intracratonic Sags | Amadeus Basin (Australia), Lena-Tunguska Province (Russia) and Vindhyan Basin (India) |
| 2 | Bhima Kaldgi | | | |
| 3 | Chhattisgarh | | | |
| 4 | Cuddapah | | | |
| 5 | Deccan Syneclise | Proterozoic- Gondwana | Intracratonic Sags/Rift | Cooper Basin, Australia, Parana Basin, South America and Karoo Basin, South Africa. |
| 6 | Ganga-Punjab | Proterozoic-Tertiary | Peripheral Foreland | Huqf Basin-Oman, Tarim Basin-China |
| 7 | Himalayan Fold belt | Neo Proterozoic-InfraCambrian, Paleozoic and Tertiary | Fold Thrust | Potwar Basin of Pakistan |
| 8 | Karewa | Paleozoic, Mesozoic and Plio-Pleistocene | Intermontane | |
| 9 | Narmada |  Gondwana | Intracratonic Transtensional Basin | Cooper Basin, Australia , Parana Basin, South America and Karoo Basin, South Africa |
| 10 | Satpura_S Rewa_Damodar | | | Cooper Basin, Australia and KG Basin, India |
| 11 | Pranhita Godawari | | | Potwar Basin of Pakistan |
| 12 | Spiti Zaskar | Paleozoic and Mesozoic | Intermontane | |
| 13 | Kerala-Konkan Basin | Mesozoic-Tertiary | Pericratonic Rift | |
| 14 | Bengal-Purnea Basin | Gondwana-Tertiary | Pericratonic Rift, Intracratonic Rift Remnant Ocean | Purnea Basin: Cooper Basin, Australia |

YTF Resources : Cat-III Basins

Global Proterozoic Basins



Proterozoic Basins: India

Bhima-KalaDigi

Vindhyan

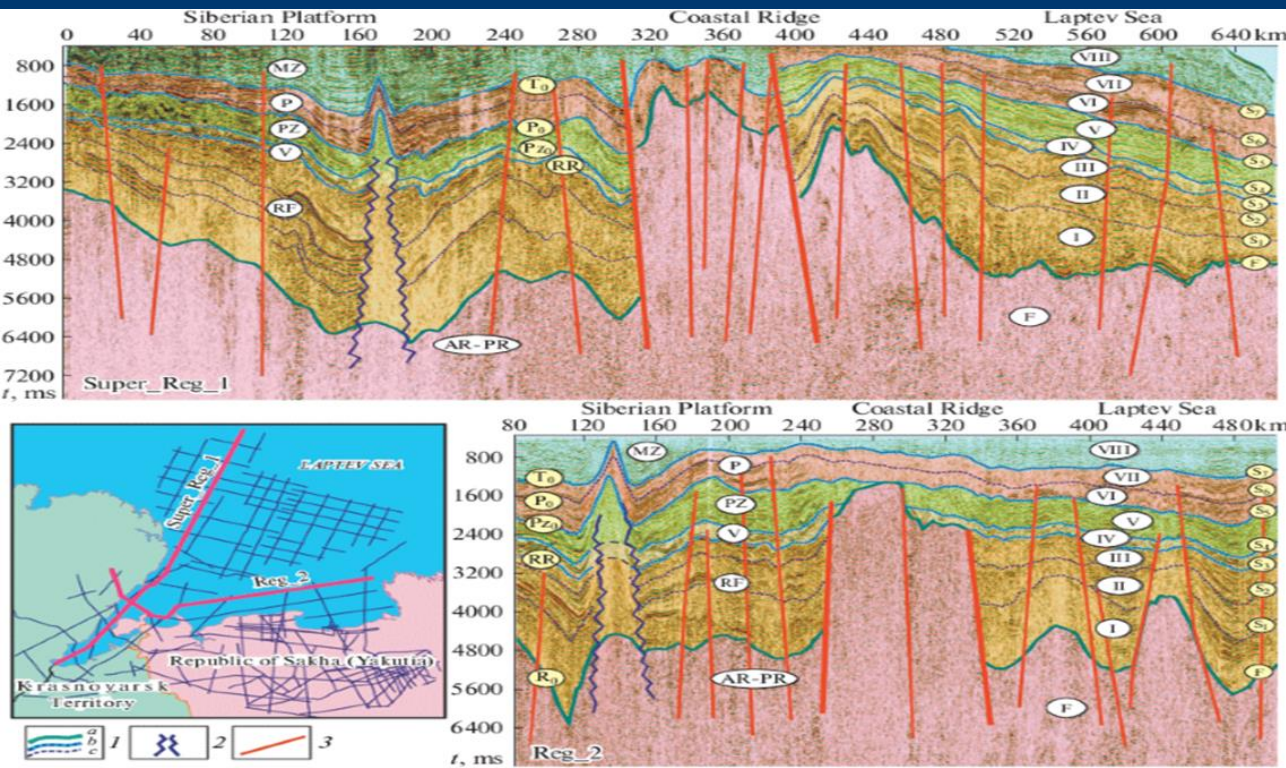
Cuddapah

Chattisgarh

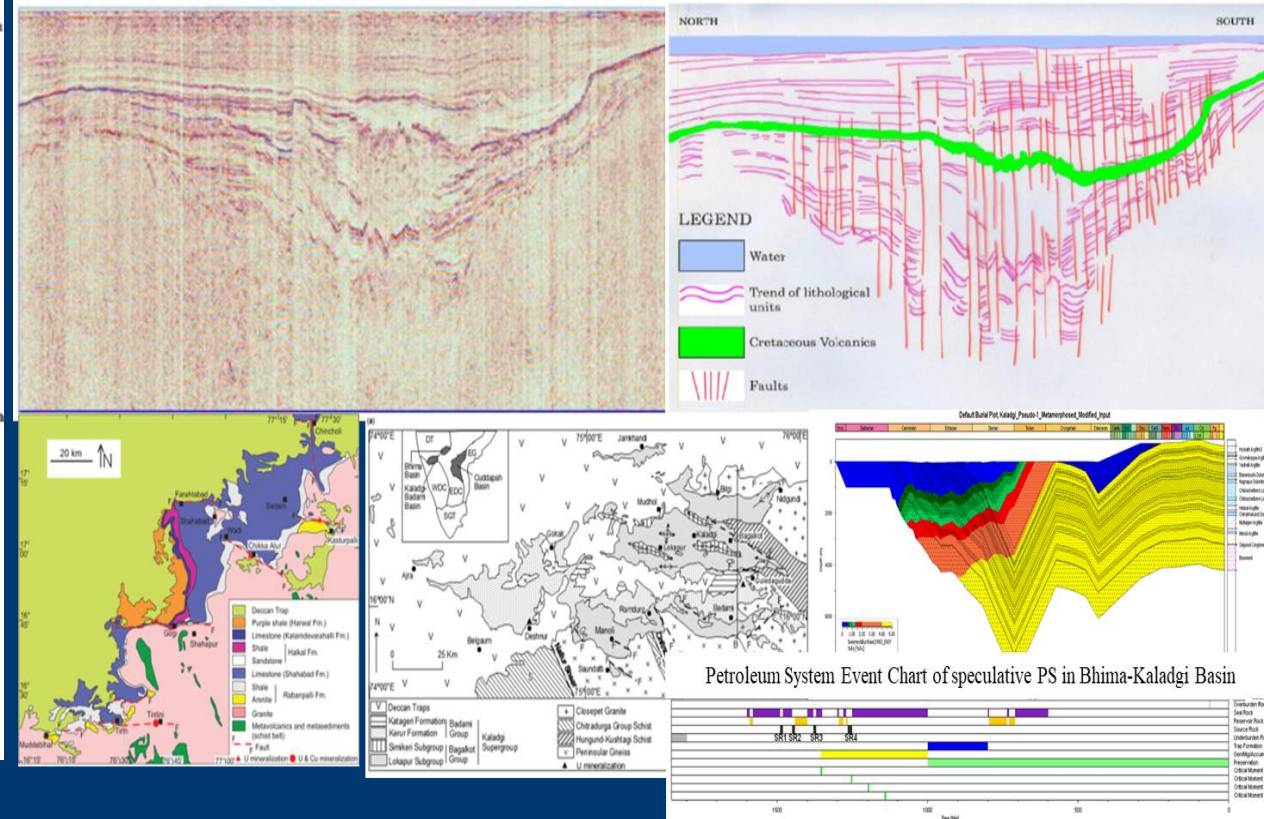
Bastar

YTF Resources : Cat-III Basins

Lena-Anabar Basin: Russia



Bhima-Kaladigi: India



YTF Resources : Cat-III Basins

Amadeus Basin: Australia

Cuddapah Basin: India

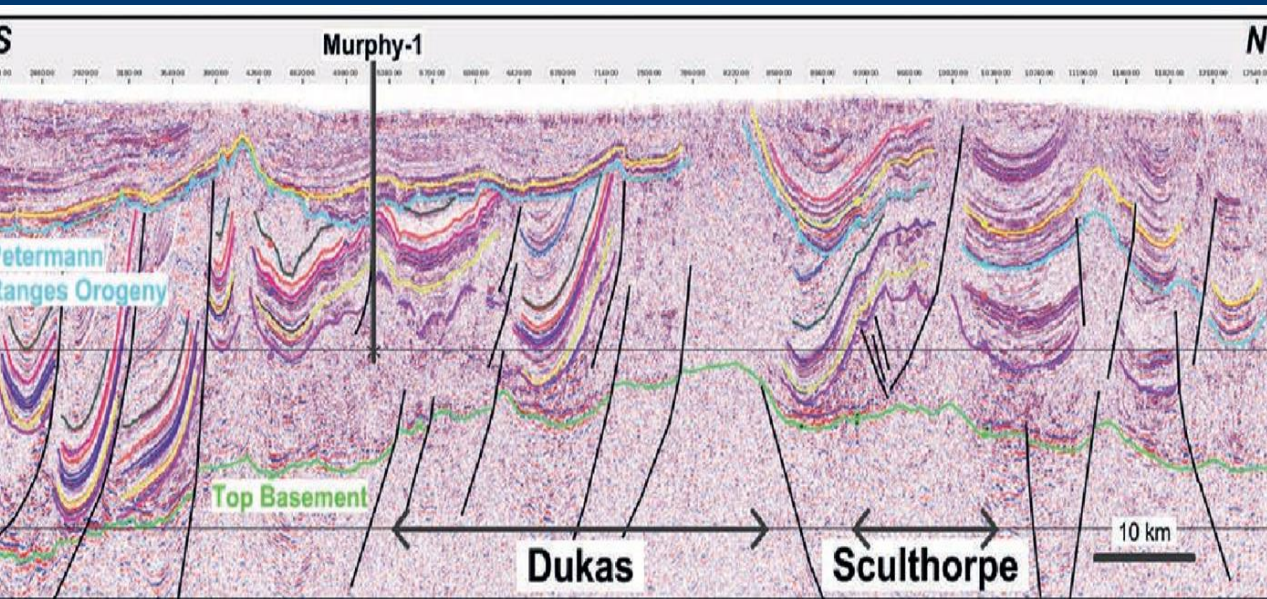
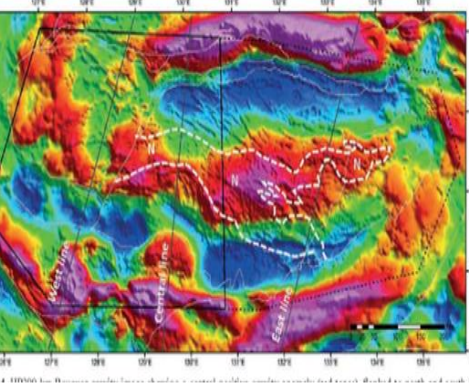


Figure 2 Regional N-S seismic line AMSAN13b-04 from 2013 AMSAN seismic survey highlighting the Dukas lead (see Figure 3 for



Southern Amadeus Basin:
Neoproterozoic
Lower Gillen-Heavitree Petroleum System

| | |
|--------------|--------------|
| Analogous to | |
| 1 | Bastar |
| 2 | Bhima Kaldgi |
| 3 | Chhattisgarh |
| 4 | Cuddapah |

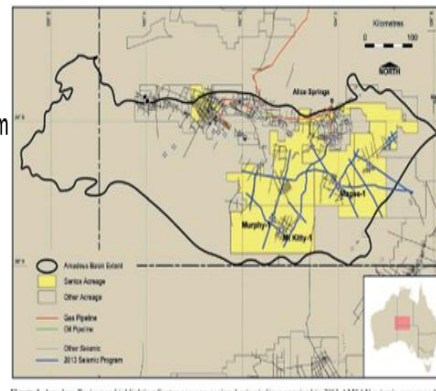
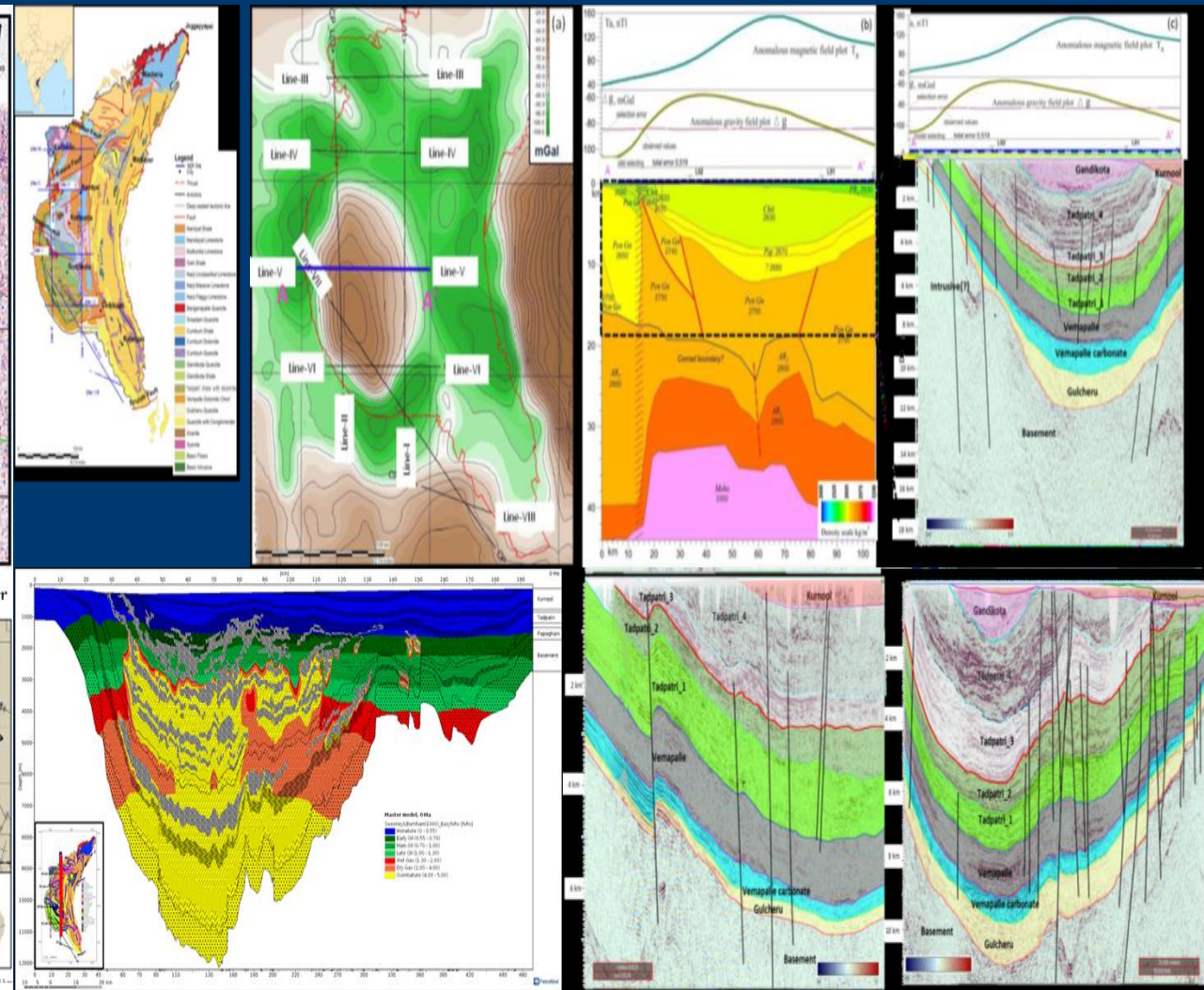
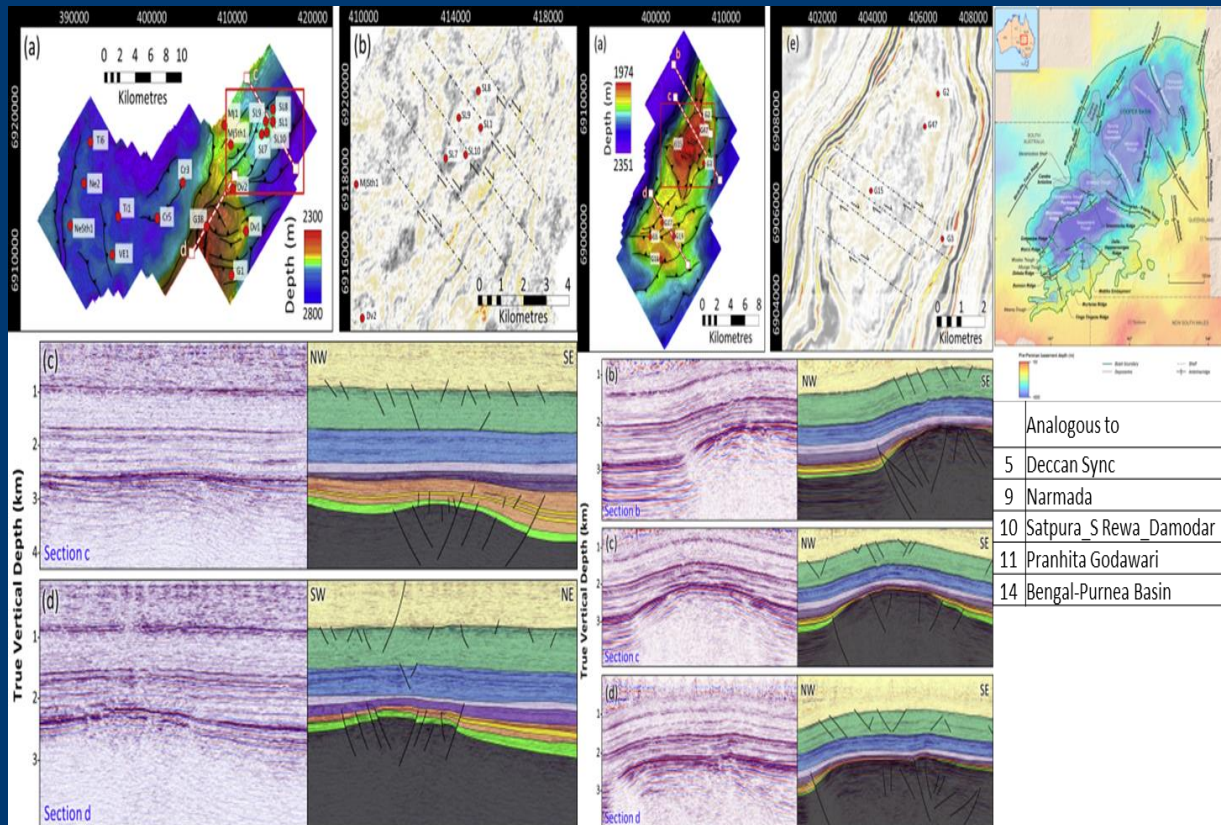


Figure 3 Amadeus Basin: Neoproterozoic Lower Gillen-Heavitree Petroleum System: regional geological map compiled by 2013 AMSAN seismic survey and

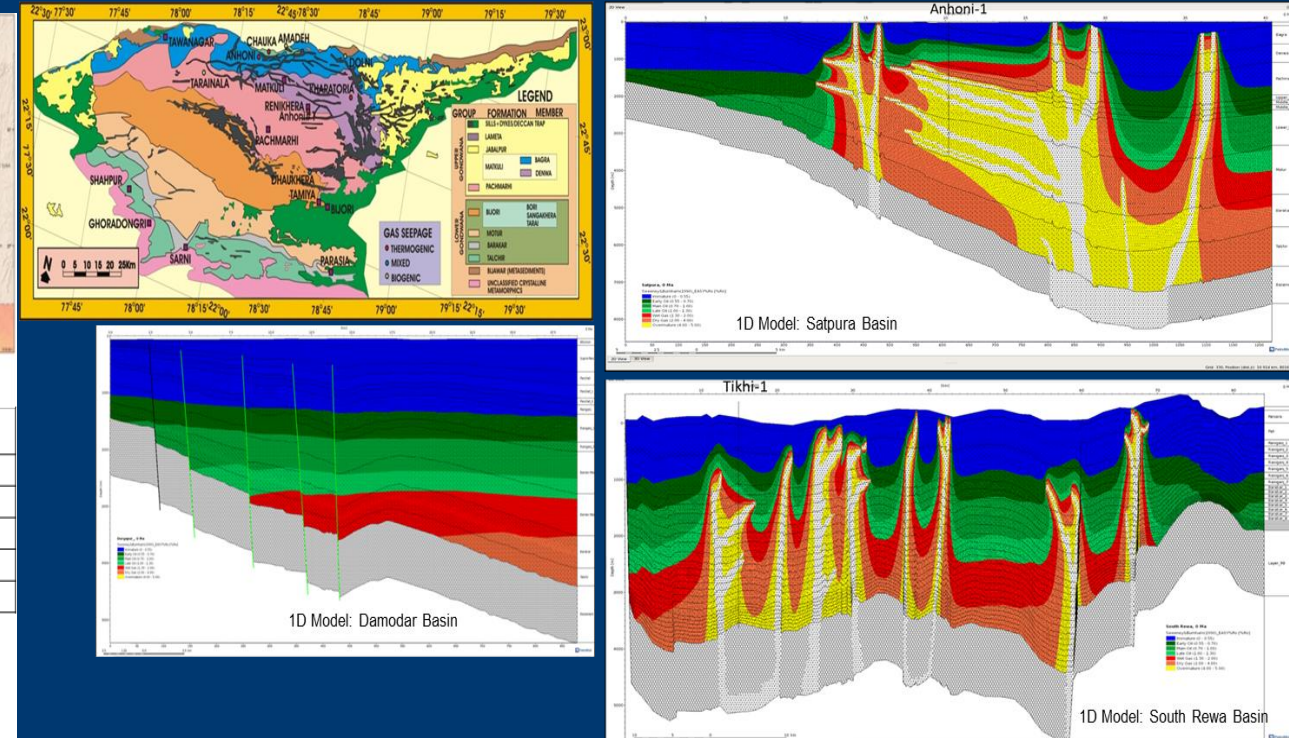


YTF Resources : Cat-III Basins

Cooper Basin: Australia

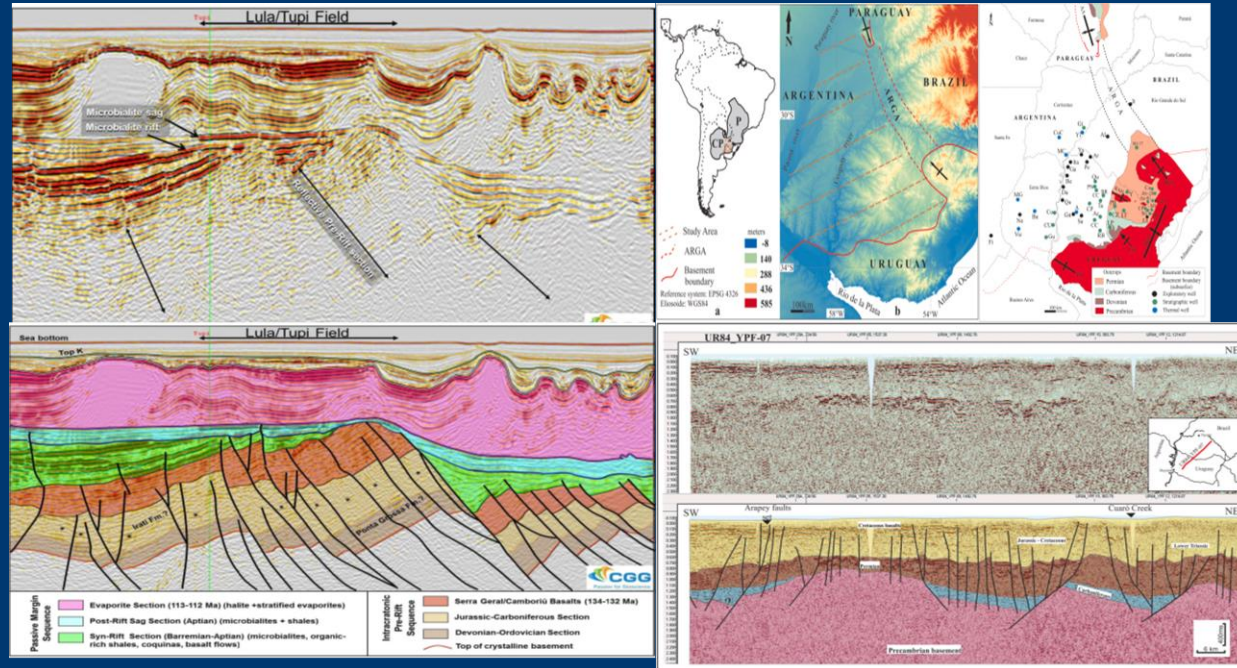


Satpura, South Rewa & Damodar Basins : India

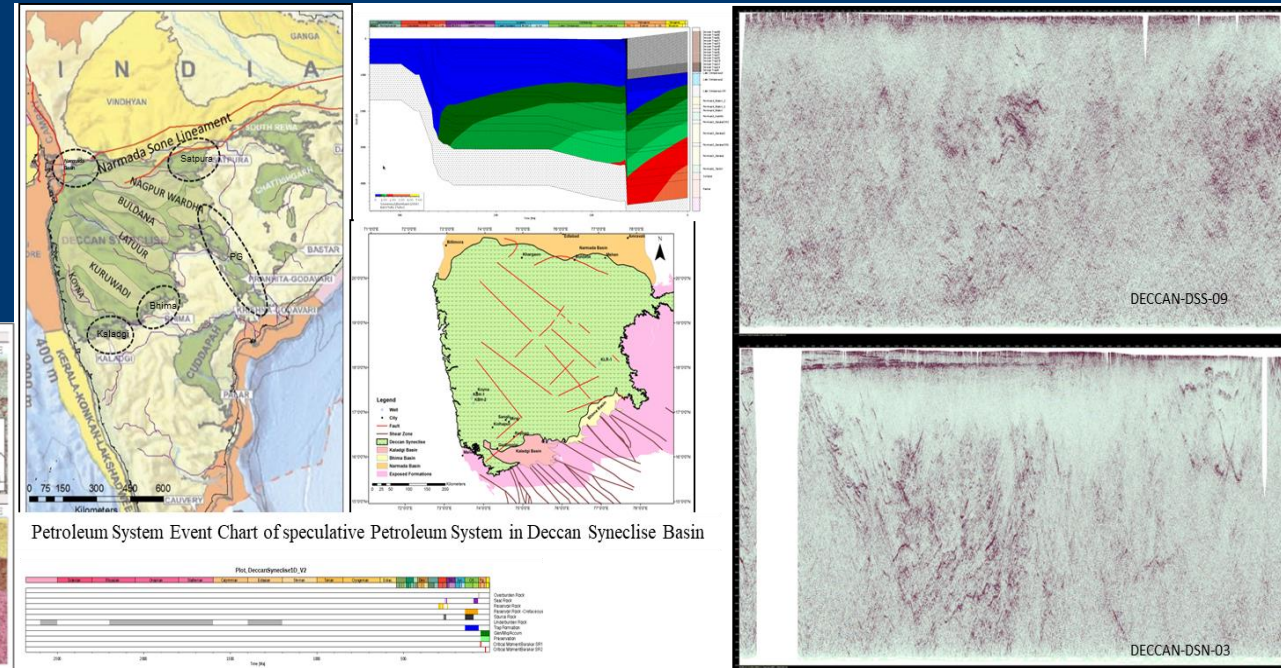


YTF Resources : Cat-III Basins

Parana Basin: Uruguay, Brazil, Argentina



Deccan Syneclise Basins : India



Petroleum System Event Chart of speculative Petroleum System in Deccan Syneclise Basin

At Nascent Stage of Exploration
Data Synthesis for Basin Evolution
Studies to develop Understanding of
Plausible Play Systems, Geometries etc
underway

Technology Interventions

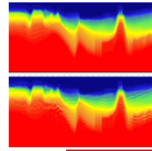
Exploration Strategy Elements: Technology

Technological Intervention: Exploration Cycle



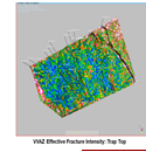
Acquisition

- LFPS
- OBN
- AGG
- Airborne Hydrocarbon Sensing System
- Passive Seismic Tomography



Processing

- Full Wave Inversion
- Reverse Time Migration
- Geomaze



Interpretation

- Play Based Approach
- Centralized Expl. Location release mechanism
- AI/ ML
- Seisnetics
- Tachyus
- Rockwash Geodata




Drilling

- Managed Pressure Drilling (In progress in Tripura)

Exploration Strategy Elements: Initiatives

Exclusive EOIs Were floated For Basin Specific Areas, Technical Challenges For Collaboration/ Consultancies

KG-Cauvery Basin


| | |
|---|--|
|  | Oil and Natural Gas Corporation Ltd. KG-PG Basin & Cauvery Basin, Chennai |
| NOTICE INVITING EXPRESSION OF INTEREST | |
| <p>EOI Ref. No. ONGC/EOI/KG-PG & Cauvery/Technical consultation</p> <p>ONGC, KG-PG & Cauvery Basins, Chennai invites Expression of Interest (EOI) for identification of suitable partners/service providers to partner/ technically assist in specific E&P portfolios in Krishna Godavari and Cauvery Basins, India as per schedule given below:-</p> <p>Downloading of Brief details: 07.05.2021 to 28.05.2021. Registration of Firms for participating in EOI, last date for submission of EOI document along with copy of presentation and confirmation to attend the EOI Meeting: 31.05.2021. Date for EOI Meeting: 09.06.2021. Mode of EOI Meet: Online. For details of Expression of Interest (EOI) and downloading of Brief Scope of work, please log on to our website at https://tenders.ongc.co.in</p> | |

Scope Of Work

Technically assist / offer consultation in collaboration with ONGC G&G Teams with emphasis on knowledge transfer

1. Deep Water
2. HP-HT,
3. Unexplored Acreages

Assam Arakan Basin

| | |
|--|--|
|  | Oil and Natural Gas Corporation Ltd. Assam & Assam-Arakan Basin |
| NOTICE INVITING EXPRESSION OF INTEREST | |
| <p>EOI Ref. No. ONGC/EOI/A&AA Basin/Technical Consultation</p> <p>ONGC, Assam & Assam-Arakan Basin, Jorhat invites Expression of Interest (EOI) for identification of suitable partners/service providers to partner/technically assist in specific E&P portfolios in Assam & Assam-Arakan Basin, India as per schedule given below:</p> <p>Downloading of brief details: 12.06.2021 to 02.07.2021. Registration of Firms for participating in EOI, last date for submission of EOI document along with copy of presentation and confirmation to attend the EOI Meeting: 05.07.2021. Date for EOI Meeting: 15.07.2021. Mode of EOI Meet: Online. For details of Expression of Interest (EOI) and downloading of Brief Scope of work, please log on to our website at https://tenders.ongc.co.in</p> | |

Technically assist / offer consultation in collaboration with ONGC G&G Teams with emphasis on knowledge transfer

1. Thrust Fold-Belt
2. Schuppen Belt & North Bank
3. Deeper Plays : Basement & Gondwana

Exploration Strategy Elements: Initiatives

EOI Exclusively for Western India Volcanic Margin Petroleum Prospectivity (WI-VMAPP) study;

Western Offshore Basin

Bids received from 5 bidders (17.06.2021):

1. BEICIP-FRANLAB (V600297)
2. HALLIBURTON INDIA OPERATIONS PRIVATE LIMITED (V895179)
3. PANSEIS GEO SERVICES PRIVATE LIMITED (V917304)
4. VOLCANIC BASIN PETROLEUM RESEARCH (V604640)
5. SCHLUMBERGER SOLUTIONS PRIVATE LIMITED (V862105)

- Tender was awarded to PANSEIS GEO SERVICES PRIVATE LIMITED
- LOA was placed on 30.09.2021 with 1 month as mobilization time and total project life of 9 months from LOA; extensible by 3 months.
- The Contract and the Confidentiality agreement for data is to be signed on 29.10.2021 along with handing over of data. The initial interaction with bidder through VC was held on 12.10.2021.

Thus we can march ahead



Joint Bidding For New Exploration
Acreage (Cat-II & III and Cat-I basins)



Farm-out of Participating Interest in
Discovered undeveloped Fields (HP-HT/DW)



Farm-out of Participating Interest in
Matured Fields – IOR/EOR partnership



Technology partnership
Global Partnerships

Thank you

