

GLOBAL OPPORTUNITIES

BUSINESS BREAKFAST

INDIA - SUBSEA
OPPORTUNITIES

#SCOTLAND|SNOW

INDIA

OIL & GAS SUBSEA

Existing/ Under Development Subsea Assets

ONGC

- Eastern Offshore –
 - G1 Fields (4 wells),
 - Vashistha and S1 Fields (4 Wells),
 - KG 98/2 Block Development 34 wells (under development)
- Western Offshore –
 - Mumbai Offshore for marginal fields (11 wells)

RIL-BP

- Eastern Offshore –
 - D1 D3 Fields (production ceased)
 - MA Field (production ceased)
 - R Cluster (under development)
 - Satellite Cluster (under development)
 - MJ Fields (under development)
 - NEC-OSN-97/2 (FDP submitted)

Target Customers

- ONGC, RIL-BP

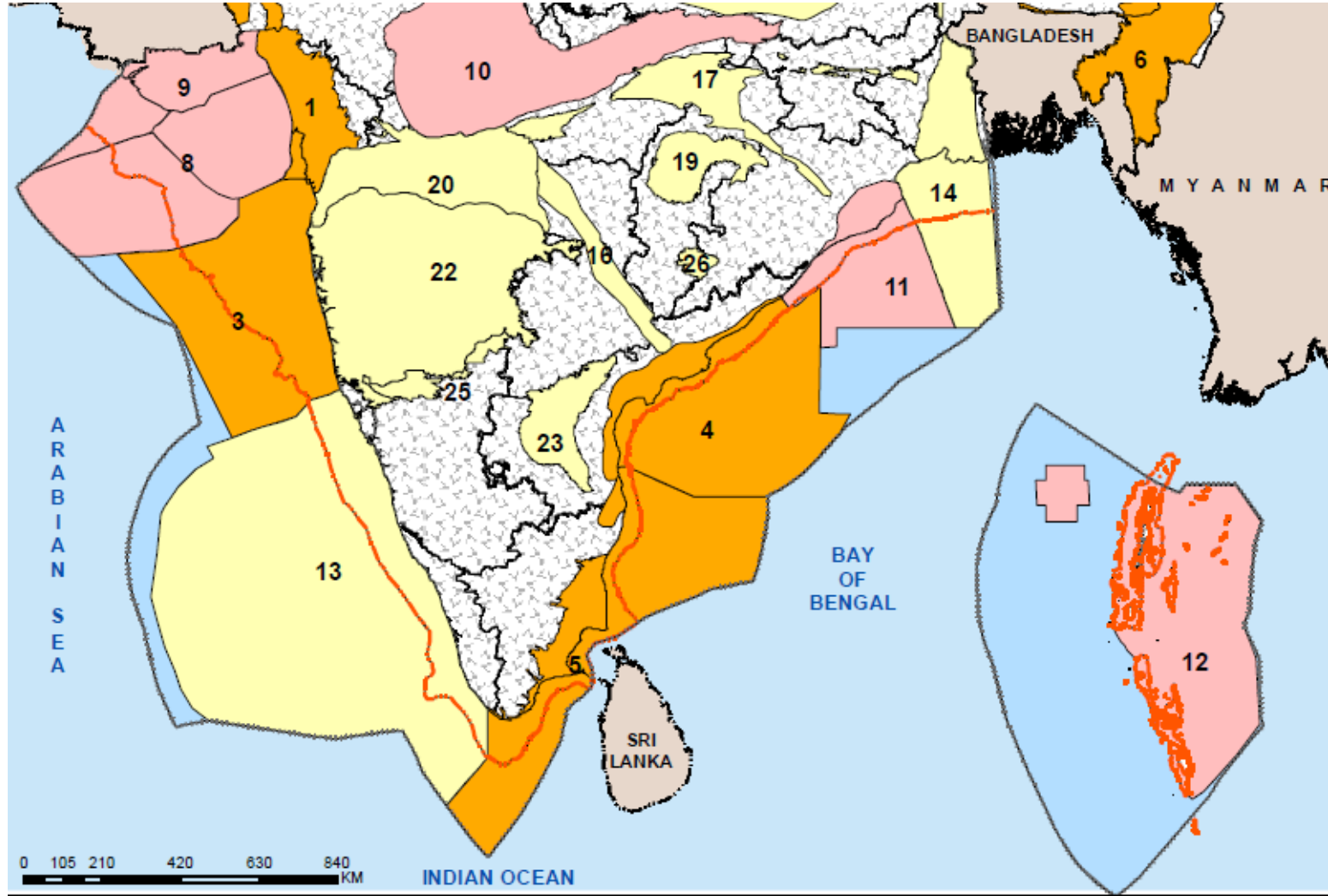
Relevant DIT/ SDI Trade Missions

- Technical Workshop at Kakinada (June 2020)
- India Energy Forum, New Delhi (Oct 2020)
- Petrotech, Noida (Feb 2021)

Relevant Events

- India Well P&A Workshop, Mumbai (20 Mar 2020)
- IDEC (June 2020)

#SCOTLANDISNOW



Category-I
 (Proven commercial productivity)

Category-II
 (Identified prospectivity)

Category-III
 (Prospective Basins)

Pre-Cambrian Basement/
 Tectonic Sediments

Water Areas Within EEZ

400m Bathymetry
 EEZ Boundary

INDIA

OIL & GAS SUBSEA

Upcoming Opportunity – Big Projects

ONGC

KG-DWN-98/2 Block Cluster-1 + GS-29 field Development

- 6 Oil wells + 2 Gas Wells, 80- 700 Mts (4 wells > 400 mts)
- USD 665 Million
- Award of works: 2020, Production : 2022

KG-DWN-98/2 Block Cluster-3 Development

- 09 gas wells located in Ultra deep waters, 2400- 2900 Mts
- USD 3200 Million
- Award of works: 2021, Production: 2023-24

KG-OSN-2004/1 Block + GS-49 Development

- 09 + 02 = 11 gas wells, 7-320 Mts
- USD 560 Million
- Award of works: 2020, Production: 2022

OALP V Bidding

Bidding for a Deepwater block is ongoing for ultra deep water block
CY-UDWHP-2019/1

Target Customers

- ONGC, OALP Round V Winner

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INDIA

OIL & GAS SUBSEA

Upcoming Opportunity – Relatively Small Projects

- Government of India awarded blocks to various operators for Discovered Small Fields/ Marginal Fields through bidding
- Operators are looking for innovative and cost effective development of these marginal, shallow water offshore blocks
- Innovative technologies like ‘Tieback of the Future’ can be interesting for the developers

Target Customers

- ONGC, Oil India Limited, Cairn India, Antelopus, Invenire, Ganges Geo -Resources

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The
Oil & Gas
Technology
Centre

Your Innovation Partner

tieback of the future

Now is the time to turn this opportunity into reality.

INDIA

OIL & GAS SUBSEA

Specific expertise sought by ONGC in subsea

- Low cost well intervention in the deep water
- Horizontal/ high angle wells in the deep water, especially with loose sand
- High Temperature High Pressure wells
- IMR activities in the deep sea
- Deep sea safety and maintenance practices
- Industry 4.0 revolution, artificial intelligence and integrated operations
- Subsea high-integrity pressure protection system (HIPPS)

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INDIA

DECOMMISSIONING

Opportunity Overview

- Plugging & abandonment, waste management and environmental consultants for 8 ONGC platforms (western shore) in the next 10 years, and 25 Reliance Industries wells in the D1, D3 and MA fields in the KG Basin (eastern shore) in the next 3-4 years.
- Reliance Industries is especially looking for contractors with experience of working on Aker Christmas trees.

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