



सत्यमेव जयते

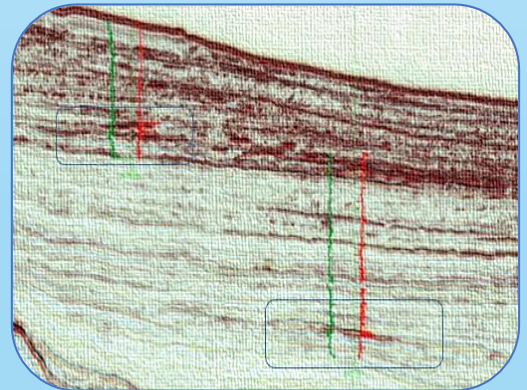
Ministry of Petroleum & Natural Gas
Government of India

HYDROCARBON EXPLORATION AND LICENSING POLICY

OALP BID ROUND-IX

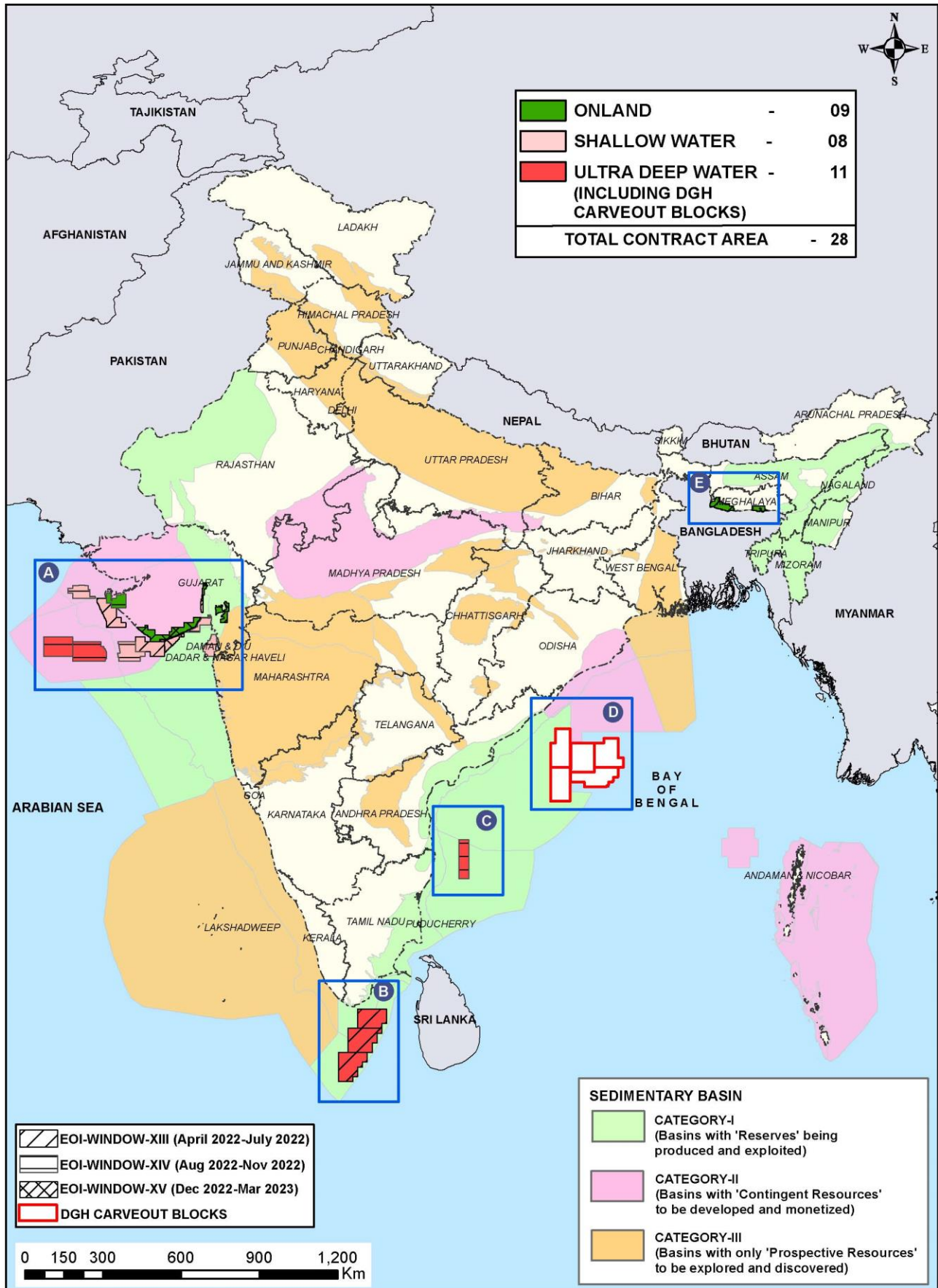
JANUARY-2024

GEOSCIENTIFIC INFORMATION



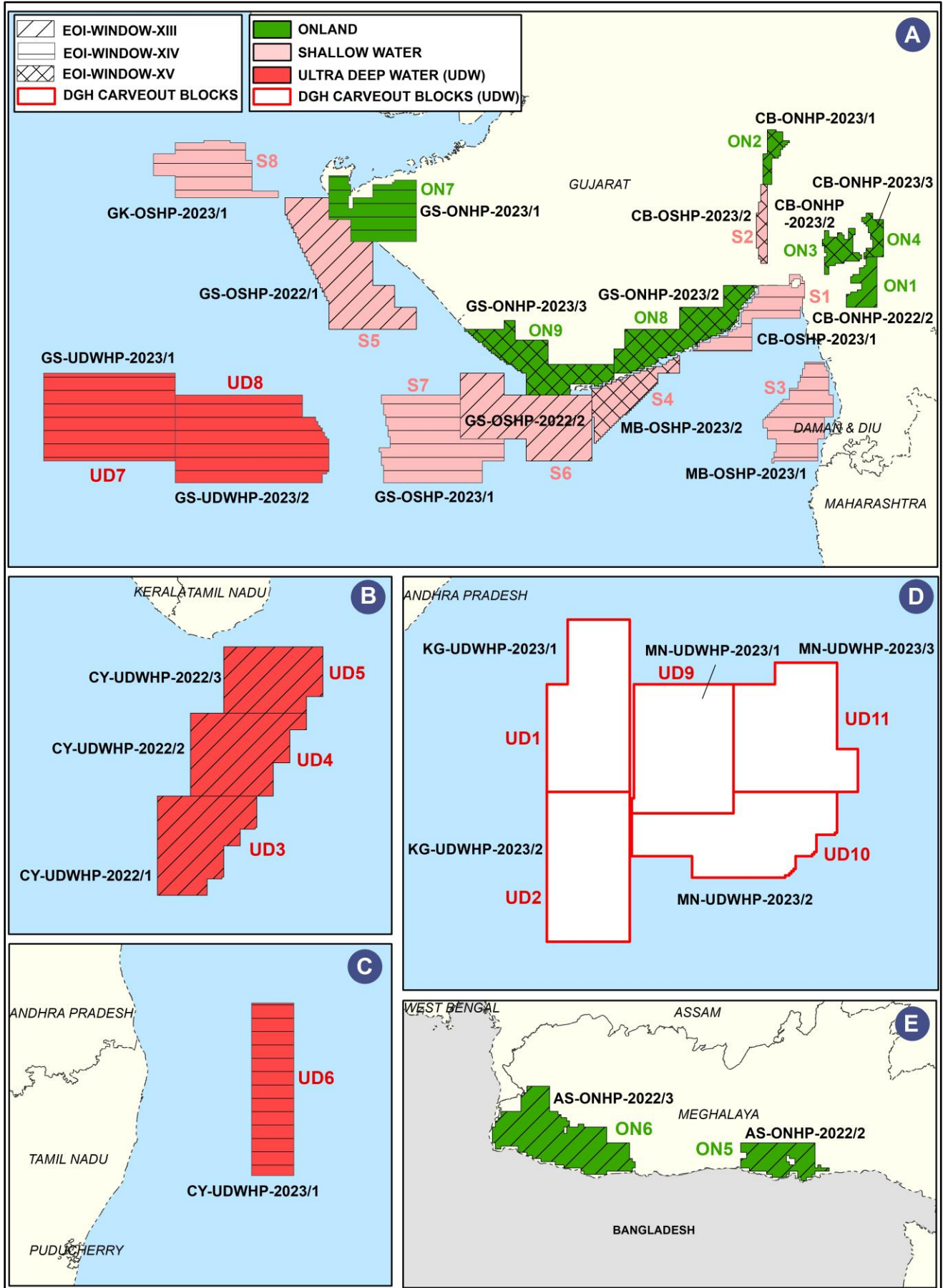
Directorate General of Hydrocarbons
(Under Ministry of Petroleum & Natural Gas)

BLOCKS OFFERED UNDER OALP BID ROUND-IX



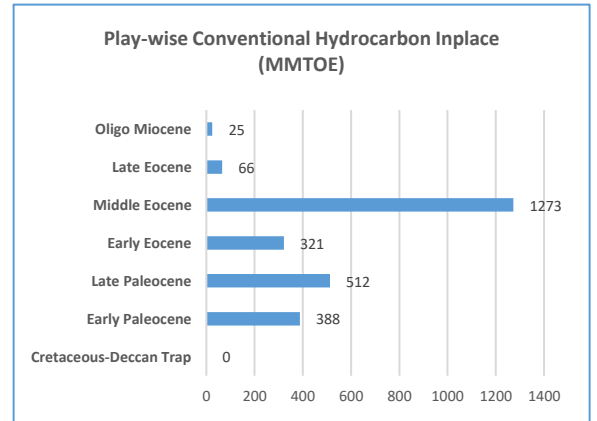
INDEX MAP OF BLOCKS ON OFFER

Blocks Finalised under Eoi Window: XIII, XIV, XV & DGH Carved Out Blocks

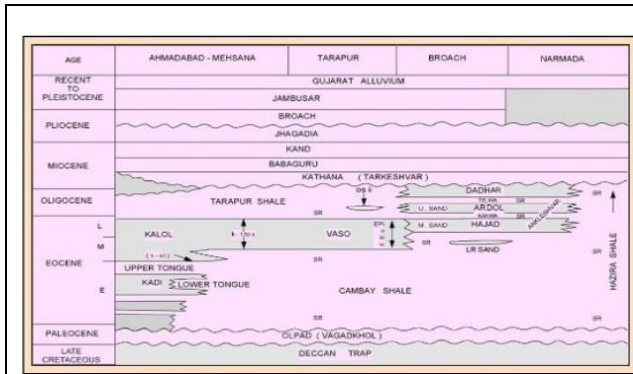


CAMBAY BASIN

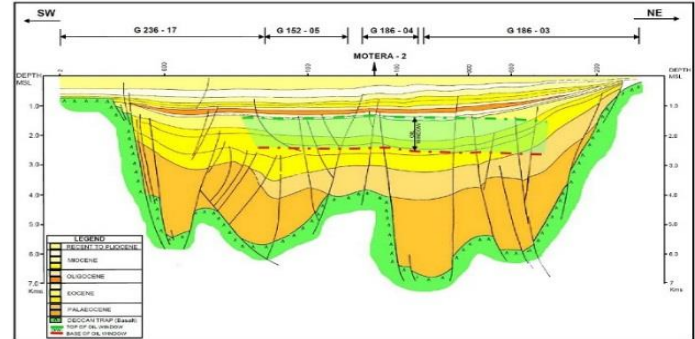
Basin Area(sq.km)	EoI Window	Blocks on offer	Resource potential (In-place MMTOE)	
			Discovered	Undiscovered
53,500	XIII	CB-ONHP-2022/2	1,800	786
	XIV	CB-OSHP-2023/1		
	XV	CB-ONHP-2023/1		
		CB-ONHP-2023/2		
		CB-ONHP-2023/3		
		CB-OSHP-2023/2		



Play-wise Conventional Hydrocarbon In-place (MMTOE)



Stratigraphic Chart of Cambay Basin

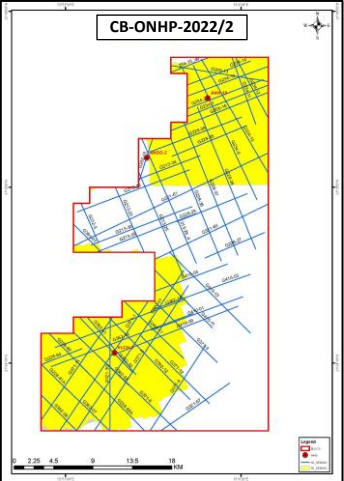
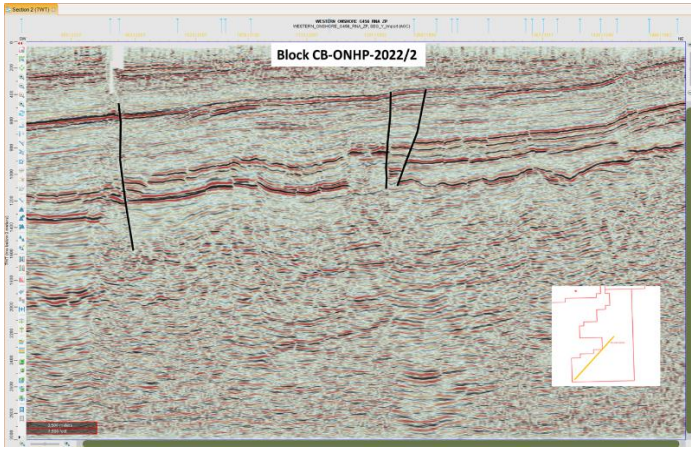


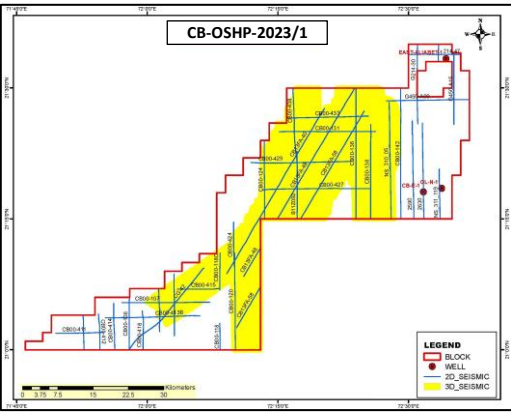
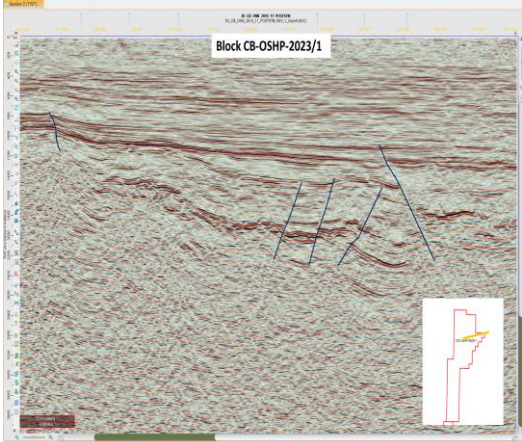
Seismological Section Across Motera Area in Ahmedabad Block

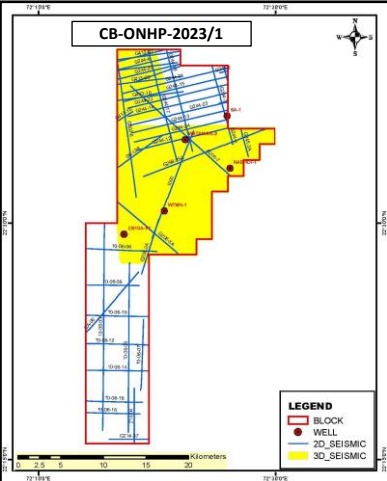
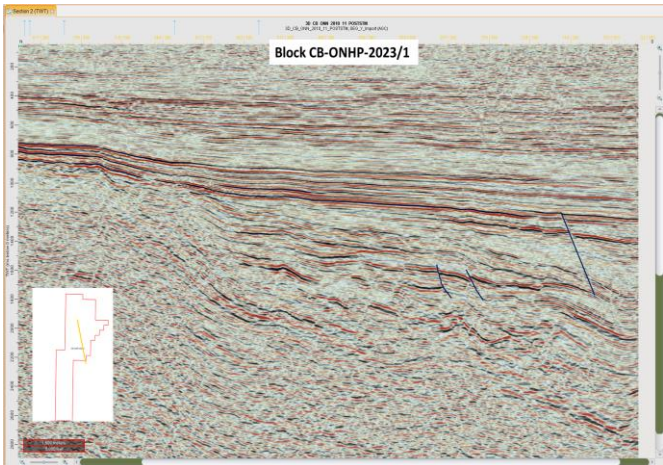
Envisaged Petroleum System of Basin & Target Plays

Source Rock	Reservoir	Entrapment Mechanism	Target Plays in the block
Cambay Shale, shale of the Ankleshwar/ Kalol Formation and Tarapur Shale	Clastic within Miocene (Babaguru), Middle Eocene (Kalol/Ankleshwar) and Paleocene (Olpad)	Structural and Stratigraphic Traps	Paleocene, Early Eocene and Middle Eocene- Paleocene, Early Eocene and Middle Eocene

BLOCKS ON OFFER

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="text-align: center;">CB-ONHP-2022/2</th> </tr> <tr> <td style="width: 15%;">Area(sq.km)</td> <td style="text-align: center;">713.92</td> </tr> <tr> <td>2D (LKM)</td> <td style="text-align: center;">641.45</td> </tr> <tr> <td>3D (sq.km)</td> <td style="text-align: center;">417.53</td> </tr> <tr> <td>No.of Wells</td> <td style="text-align: center;">3</td> </tr> <tr> <td>Reports</td> <td style="text-align: center;">3</td> </tr> </table>	CB-ONHP-2022/2		Area(sq.km)	713.92	2D (LKM)	641.45	3D (sq.km)	417.53	No.of Wells	3	Reports	3		
CB-ONHP-2022/2														
Area(sq.km)	713.92													
2D (LKM)	641.45													
3D (sq.km)	417.53													
No.of Wells	3													
Reports	3													
Block Information	Base Map	Representative 2D / 3D Seismic Line of CB-ONHP-2022/2												

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="text-align: center;">CB-OSHP-2023/1</th> </tr> <tr> <td style="width: 15%;">Area(sq.km)</td> <td style="text-align: center;">1873.66</td> </tr> <tr> <td>2D (LKM)</td> <td style="text-align: center;">659.03</td> </tr> <tr> <td>3D (sq.km)</td> <td style="text-align: center;">899.76</td> </tr> <tr> <td>No.of Wells</td> <td style="text-align: center;">3</td> </tr> <tr> <td>Reports</td> <td style="text-align: center;">3</td> </tr> </table>	CB-OSHP-2023/1		Area(sq.km)	1873.66	2D (LKM)	659.03	3D (sq.km)	899.76	No.of Wells	3	Reports	3		
CB-OSHP-2023/1														
Area(sq.km)	1873.66													
2D (LKM)	659.03													
3D (sq.km)	899.76													
No.of Wells	3													
Reports	3													
Block Information	Base Map	Representative 2D/3D Seismic Line of CB-OSHP-2023/1												

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="text-align: center;">CB-ONHP-2023/1</th> </tr> <tr> <td style="width: 15%;">Area(sq.km)</td> <td style="text-align: center;">446.27</td> </tr> <tr> <td>2D (LKM)</td> <td style="text-align: center;">382.59</td> </tr> <tr> <td>3D (sq.km)</td> <td style="text-align: center;">269.50</td> </tr> <tr> <td>No.of Wells</td> <td style="text-align: center;">5</td> </tr> <tr> <td>Reports</td> <td style="text-align: center;">5</td> </tr> </table>	CB-ONHP-2023/1		Area(sq.km)	446.27	2D (LKM)	382.59	3D (sq.km)	269.50	No.of Wells	5	Reports	5		
CB-ONHP-2023/1														
Area(sq.km)	446.27													
2D (LKM)	382.59													
3D (sq.km)	269.50													
No.of Wells	5													
Reports	5													
Block Information	Base Map	Representative 2D / 3D Seismic Line of CB-ONHP-2023/1												

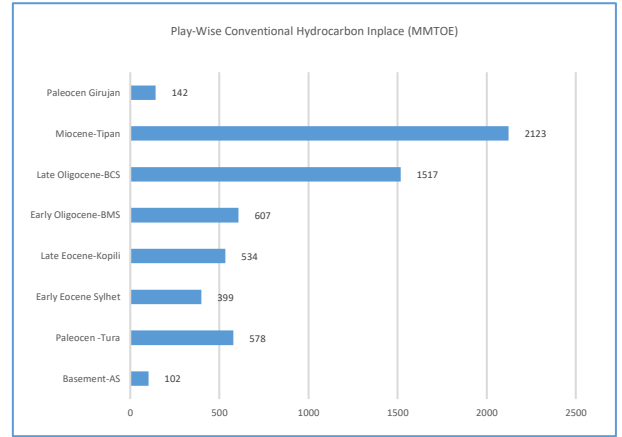
<table border="1"> <tr> <th colspan="2">CB-ONHP-2023/2</th> </tr> <tr> <td>Area(sq.km)</td> <td>636.23</td> </tr> <tr> <td>2D (LKM)</td> <td>783.53</td> </tr> <tr> <td>3D (sq.km)</td> <td>352.46</td> </tr> <tr> <td>No.of Wells</td> <td>2</td> </tr> <tr> <td>Reports</td> <td>2</td> </tr> </table>		CB-ONHP-2023/2		Area(sq.km)	636.23	2D (LKM)	783.53	3D (sq.km)	352.46	No.of Wells	2	Reports	2		
CB-ONHP-2023/2															
Area(sq.km)	636.23														
2D (LKM)	783.53														
3D (sq.km)	352.46														
No.of Wells	2														
Reports	2														
Block Information		Base Map	Representative 2D / 3D Seismic Line of CB-ONHP-2023/2												

<table border="1"> <tr> <th colspan="2">CB-ONHP-2023/3</th> </tr> <tr> <td>Area(sq.km)</td> <td>416.44</td> </tr> <tr> <td>2D (LKM)</td> <td>632.08</td> </tr> <tr> <td>3D (sq.km)</td> <td>325.98</td> </tr> <tr> <td>No.of Wells</td> <td>3</td> </tr> <tr> <td>Reports</td> <td>3</td> </tr> </table>		CB-ONHP-2023/3		Area(sq.km)	416.44	2D (LKM)	632.08	3D (sq.km)	325.98	No.of Wells	3	Reports	3		
CB-ONHP-2023/3															
Area(sq.km)	416.44														
2D (LKM)	632.08														
3D (sq.km)	325.98														
No.of Wells	3														
Reports	3														
Block Information		Base Map	Representative 2D / 3D Seismic Line of CB-ONHP-2023/3												

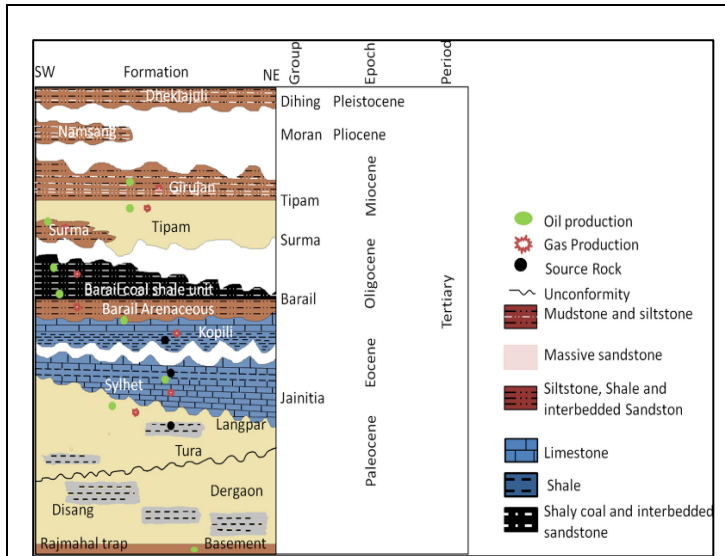
<table border="1"> <tr> <th colspan="2">CB-OSHP-2023/2</th> </tr> <tr> <td>Area(sq.km)</td> <td>476.58</td> </tr> <tr> <td>2D (LKM)</td> <td>395.76</td> </tr> <tr> <td>3D (sq.km)</td> <td>0</td> </tr> <tr> <td>No.of Wells</td> <td>Nil</td> </tr> <tr> <td>Reports</td> <td>Nil</td> </tr> </table>		CB-OSHP-2023/2		Area(sq.km)	476.58	2D (LKM)	395.76	3D (sq.km)	0	No.of Wells	Nil	Reports	Nil		
CB-OSHP-2023/2															
Area(sq.km)	476.58														
2D (LKM)	395.76														
3D (sq.km)	0														
No.of Wells	Nil														
Reports	Nil														
Block Information		Base Map	Representative 2D / 3D Seismic Line of CB-OSHP-2023/2												

ASSAM SHELF BASIN

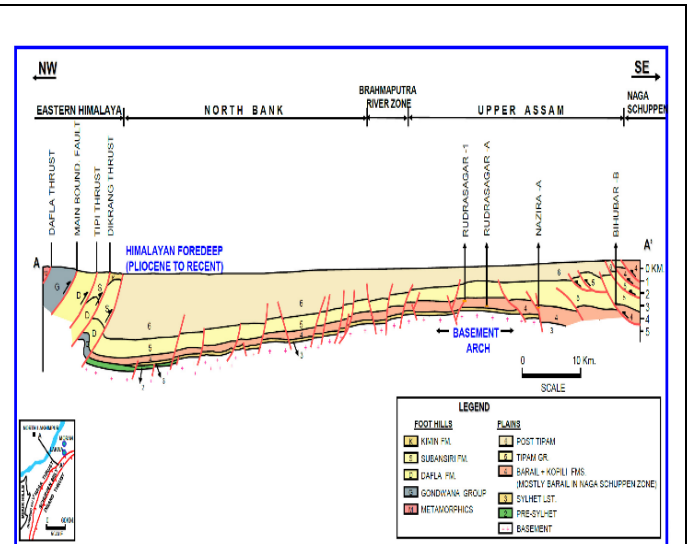
Basin Area (sq.km)	EoI Window	Blocks on offer	Resource potential (In-place MMTOE)	
			Discovered	Undiscovered
56,000	XIII	AS-ONHP-2022/2	1,868	4,133
		AS-ONHP-2022/3		



Play-wise Conventional Hydrocarbon In-place (MMTOE)



General Stratigraphy of Upper Assam Shelf



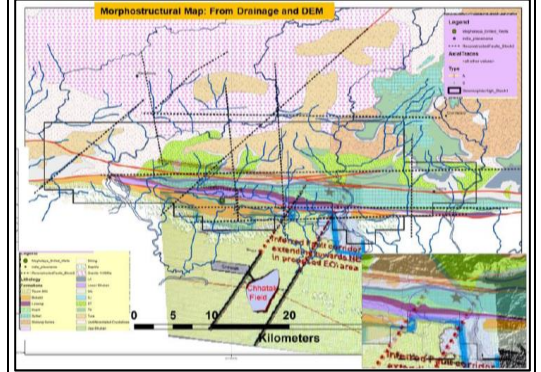
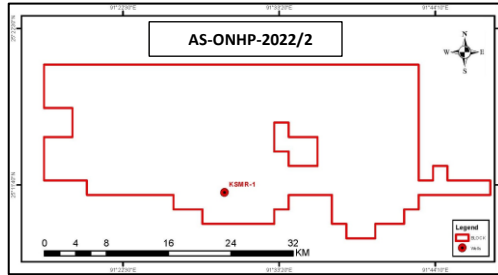
Geological Cross Section of Assam-Shelf

Envisaged Petroleum System of Basin & Target Plays

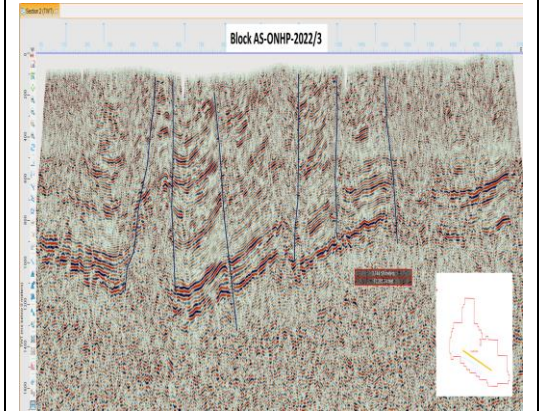
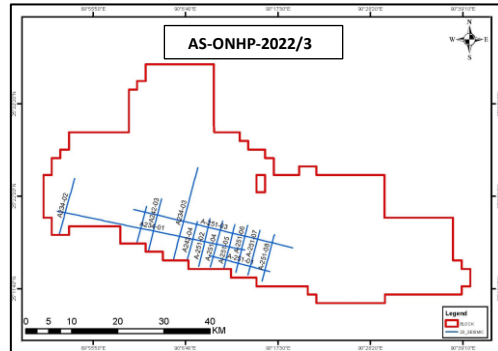
Source Rock	Reservoir	Entrapment Mechanism	Target Plays in the block
Kopili, Sylhet and Tura Formation	Fractured basement and Clastic reservoirs within Tura, Sylhet, Kopili, Barail and Bhuban Formation	Strati-Structural trap	(i) Paleocene- Eocene: Tura- Sylhet- Kopili (ii) Oligo-Miocene Play: Barail-Bhuban

BLOCKS ON OFFER

AS-ONHP-2022/2		
Area(sq.km)	784.32	
2D (LKM)	0	
3D (sq.km)	0	
No.of Wells	1	
Reports	1	
Block Information	Base Map	Conceptual Model for the Area

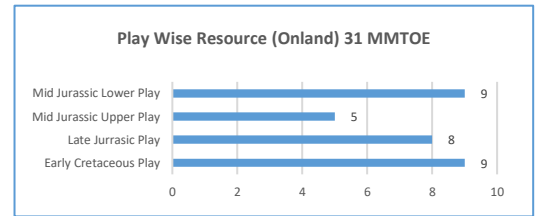
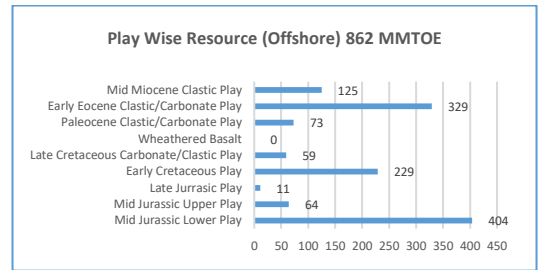


AS-ONHP-2022/3		
Area(sq.km)	2168.09	
2D (LKM)	205.99	
3D (sq.km)	0	
No.of Wells	NIL	
Reports	NIL	
Block Information	Base Map	Representative 2D / 3D Seismic Line of AS-ONHP-2022/3

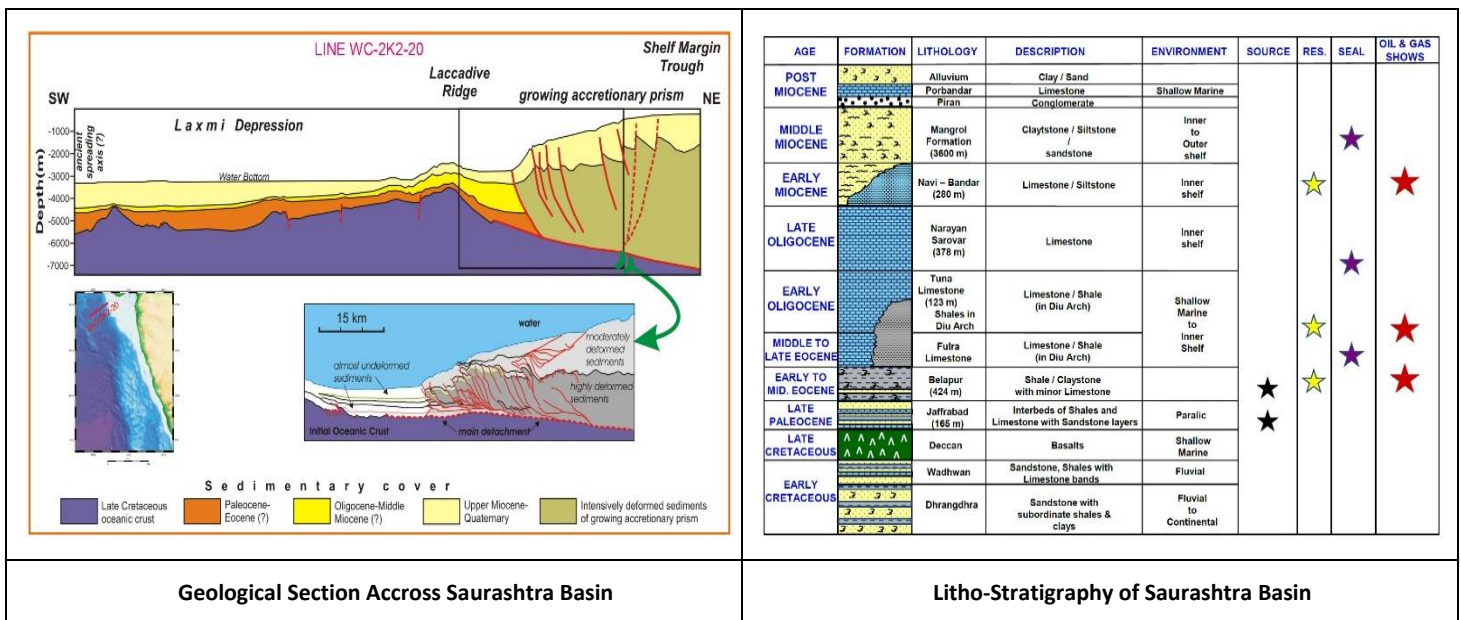


SAURASHTRA BASIN

Basin Area (sq.km)	EoI Window	Blocks on offer	Resource potential (In-place MMTOE)	
			Discovered	Undiscovered
1,94,114	XIII	GS-OSHP-2022/1	79	1,246
		GS-OSHP-2022/2		
	XIV	GS-ONHP-2023/1		
		GS-OSHP-2023/1		
		GS-UDWHP-2023/1		
		GS-UDWHP-2023/2		
	XV	GS-ONHP-2023/2		
		GS-ONHP-2023/3		

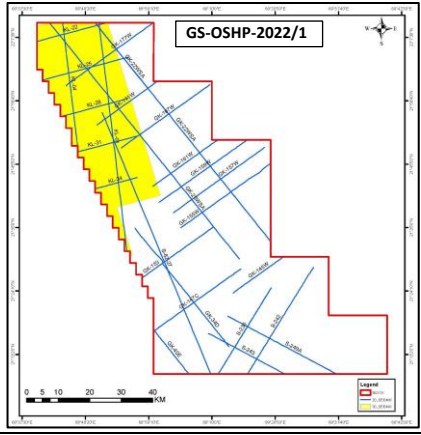
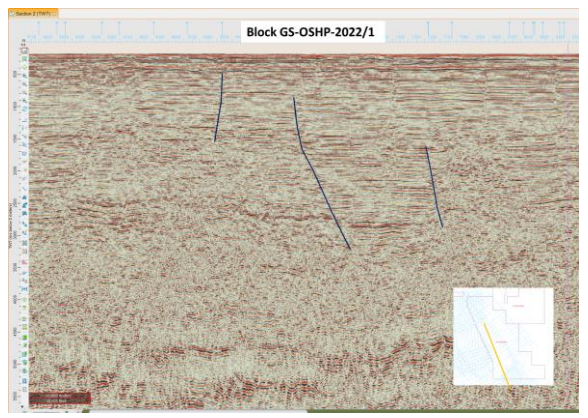


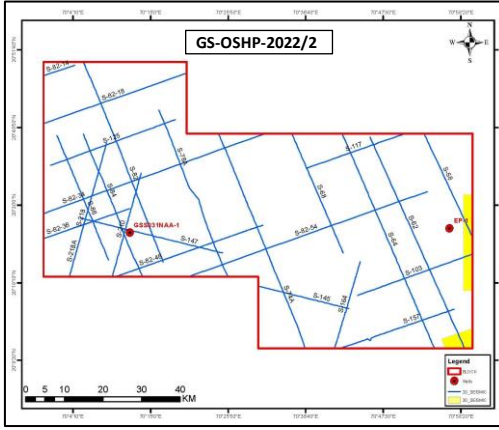
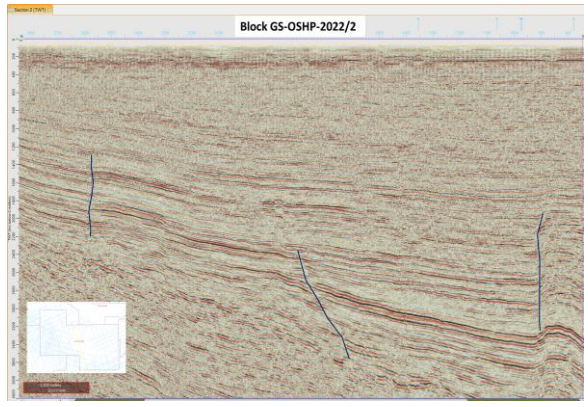
Play-wise Conventional Hydrocarbon In-place (MMTOE)

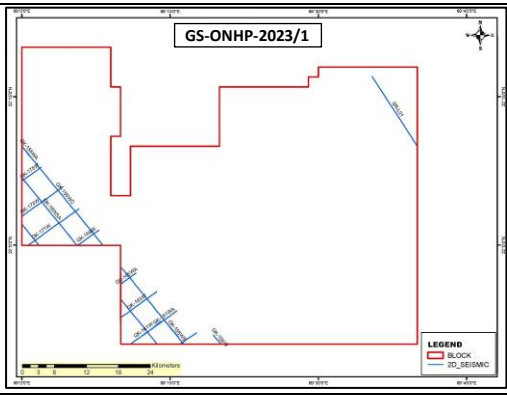
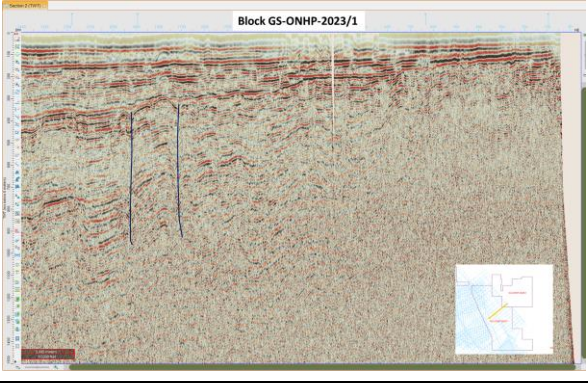


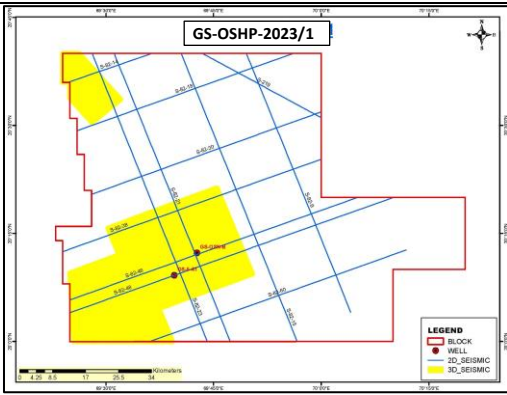
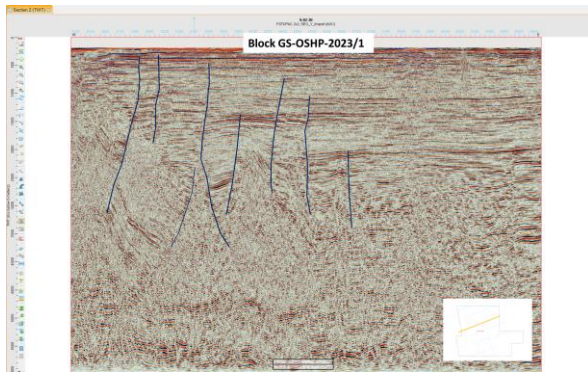
Envisaged Petroleum System of Basin & Target Plays			
Source Rock	Reservoir	Entrapment Mechanism	Target Plays in the block
Mesozoic, Palaeocene and Eocene	Clastic in Late Jurassic, Cretaceous; clastic/carbonate in Eocene-Early Miocene and Fractured basalt (Late Cretaceous-Early Paleocene)	Strati-Structural	Jurassic-Jurassic, Jurassic-Cretaceous, Cretaceous-Cretaceous. Tertiary plays (Palaeocene clastic/ carbonate, Early Eocene carbonate/clastic, Mid Miocene Clastic)

BLOCKS ON OFFER

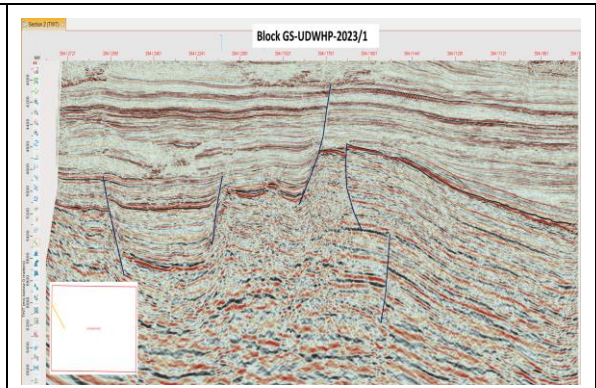
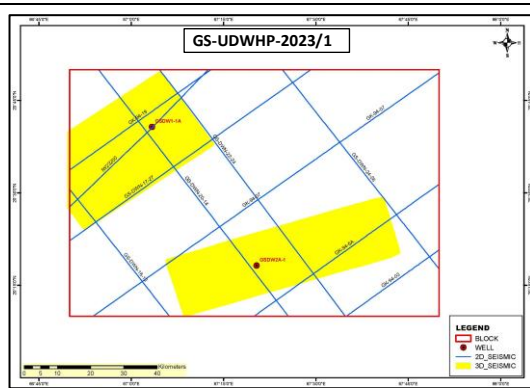
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="text-align: center;">GS-OSHP-2022/1</th> </tr> <tr> <td style="width: 15%;">Area(sq.km)</td> <td>5585.61</td> </tr> <tr> <td>2D (LKM)</td> <td>1030.19</td> </tr> <tr> <td>3D (sq.km)</td> <td>1369.41</td> </tr> <tr> <td>No.of Wells</td> <td>Nil</td> </tr> <tr> <td>Reports</td> <td>Nil</td> </tr> </table>	GS-OSHP-2022/1		Area(sq.km)	5585.61	2D (LKM)	1030.19	3D (sq.km)	1369.41	No.of Wells	Nil	Reports	Nil		
GS-OSHP-2022/1														
Area(sq.km)	5585.61													
2D (LKM)	1030.19													
3D (sq.km)	1369.41													
No.of Wells	Nil													
Reports	Nil													
Block Information	Base Map	Representative 2D / 3D Seismic Line of GS-OSHP-2022/1												

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="text-align: center;">GS-OSHP-2022/2</th> </tr> <tr> <td style="width: 15%;">Area(sq.km)</td> <td>5453.96</td> </tr> <tr> <td>2D (LKM)</td> <td>912.39</td> </tr> <tr> <td>3D (sq.km)</td> <td>56.14</td> </tr> <tr> <td>No.of Wells</td> <td>2</td> </tr> <tr> <td>Reports</td> <td>2</td> </tr> </table>	GS-OSHP-2022/2		Area(sq.km)	5453.96	2D (LKM)	912.39	3D (sq.km)	56.14	No.of Wells	2	Reports	2		
GS-OSHP-2022/2														
Area(sq.km)	5453.96													
2D (LKM)	912.39													
3D (sq.km)	56.14													
No.of Wells	2													
Reports	2													
Block Information	Base Map	Representative 2D / 3D Seismic Line of GS-OSHP-2022/2												

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="text-align: center;">GS-ONHP-2023/1</th> </tr> <tr> <td style="width: 15%;">Area(sq.km)</td> <td>2939.56</td> </tr> <tr> <td>2D (LKM)</td> <td>150.56</td> </tr> <tr> <td>3D (sq.km)</td> <td>0</td> </tr> <tr> <td>No.of Wells</td> <td>Nil</td> </tr> <tr> <td>Reports</td> <td>Nil</td> </tr> </table>	GS-ONHP-2023/1		Area(sq.km)	2939.56	2D (LKM)	150.56	3D (sq.km)	0	No.of Wells	Nil	Reports	Nil		
GS-ONHP-2023/1														
Area(sq.km)	2939.56													
2D (LKM)	150.56													
3D (sq.km)	0													
No.of Wells	Nil													
Reports	Nil													
Block Information	Base Map	Representative 2D / 3D Seismic Line of GS-ONHP-2023/1												

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GS-OSHP-2023/1														
Area(sq.km)	5408.79													
2D (LKM)	772.35													
3D (sq.km)	1181.0													
No.of Wells	2													
Reports	2													
Block Information	Base Map	Representative 2D / 3D Seismic Line of GS-OSHP-2023/1												

GS-UDWHP-2023/1	
Area(sq.km)	7699.00
2D (LKM)	715.07
3D (sq.km)	2188.91
No.of Wells	2
Reports	2

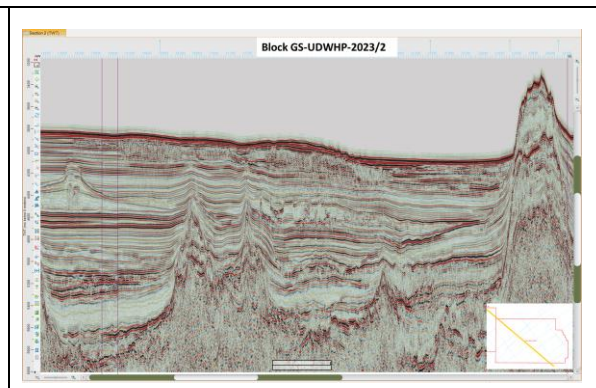
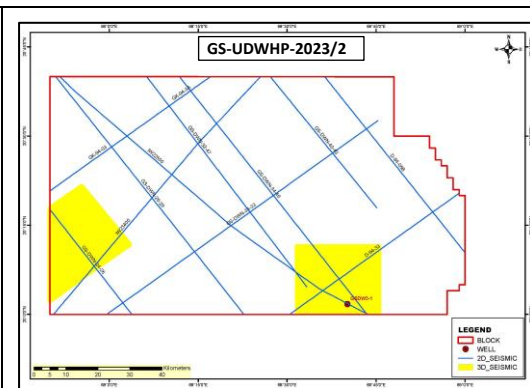


Block Information

Base Map

Representative 2D / 3D Seismic Line of GS-UDWHP-2023/1

GS-UDWHP-2023/2	
Area(sq.km)	8446.28
2D (LKM)	859.08
3D (sq.km)	954.63
No.of Wells	1
Reports	1

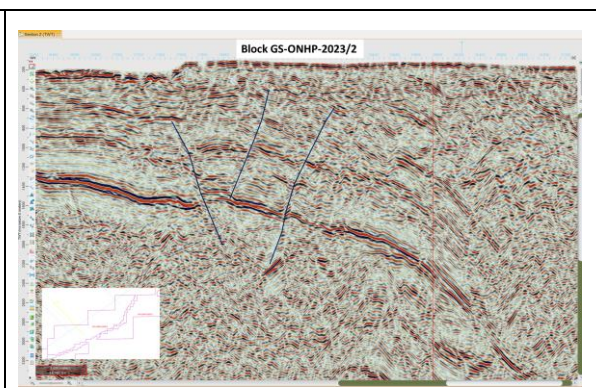
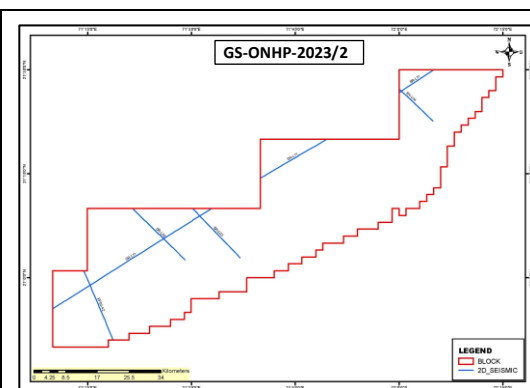


Block Information

Base Map

Representative 2D / 3D Seismic Line of GS-UDWHP-2023/2

GS-ONHP-2023/2	
Area(sq.km)	2977.28
2D (LKM)	146.88
3D (sq.km)	0
No.of Wells	Nil
Reports	Nil

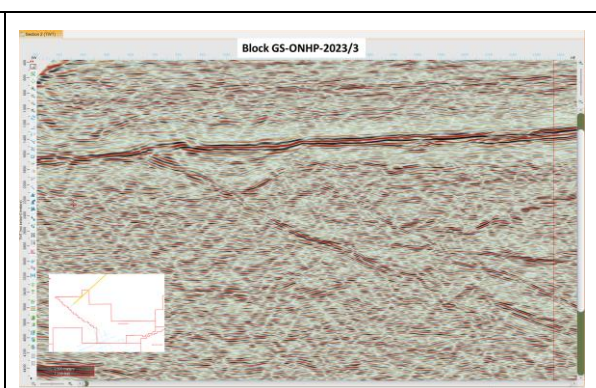
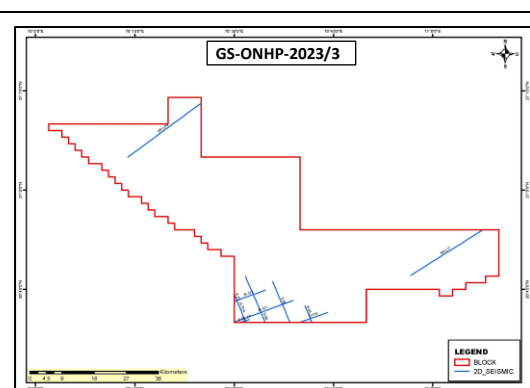


Block Information

Base Map

Representative 2D / 3D Seismic Line of GS-ONHP-2023/2

GS-ONHP-2023/3	
Area(sq.km)	2793.08
2D (LKM)	124.53
3D (sq.km)	0
No.of Wells	Nil
Reports	Nil



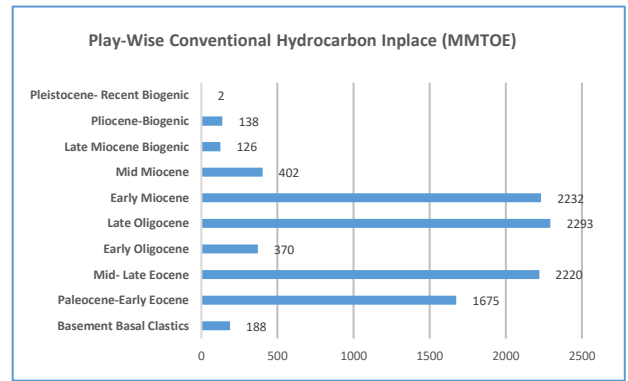
Block Information

Base Map

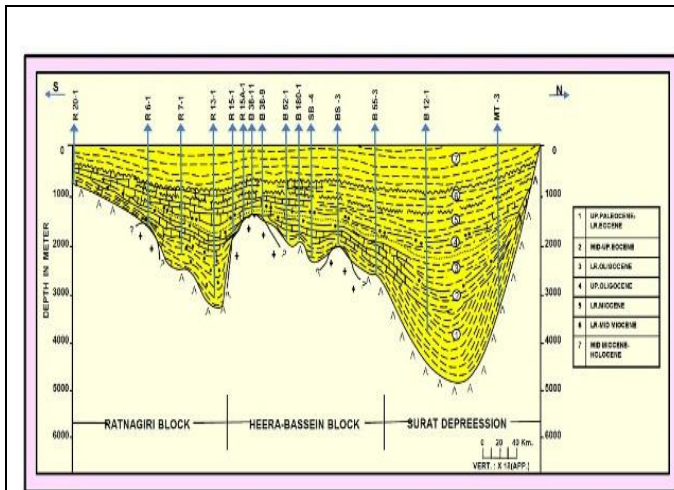
Representative 2D / 3D Seismic Line of GS-ONHP-2023/3

MUMBAI OFFSHORE BASIN

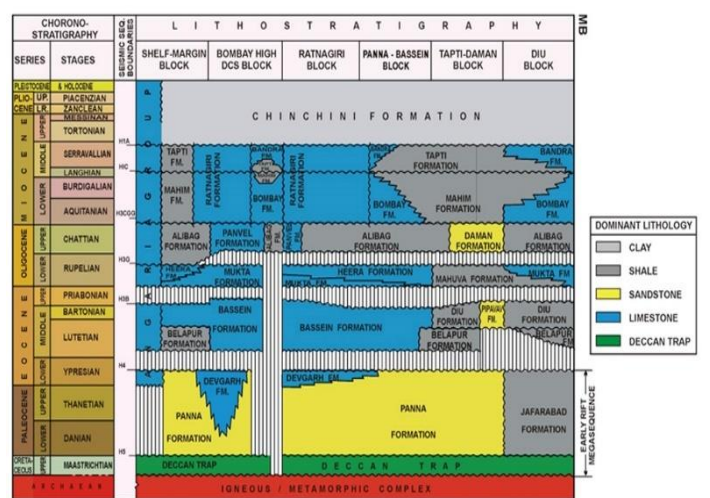
Basin Area (sq.km)	Eol Window	Blocks on offer	Resource potential (In-place MMTOE)	
			Discovered	Undiscovered
2,12,000	XIV	MB-OSHP-2023/1	4,794	4,852
	XV	MB-OSHP-2023/2		



Play-wise Conventional Hydrocarbon In-place (MMTOE)



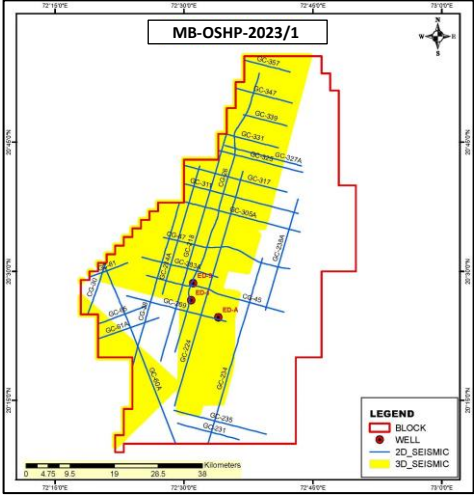
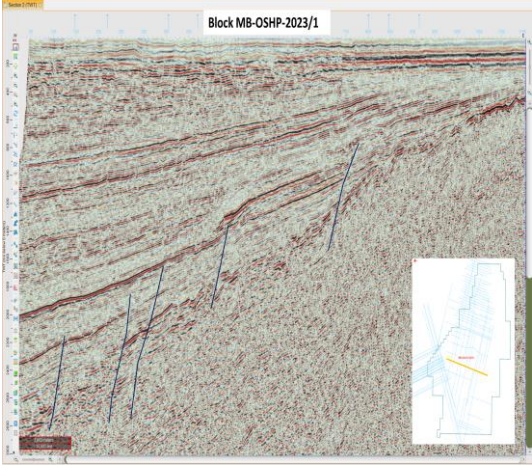
Geological Section (N-S) from Surat Depression to Ratnagiri Block

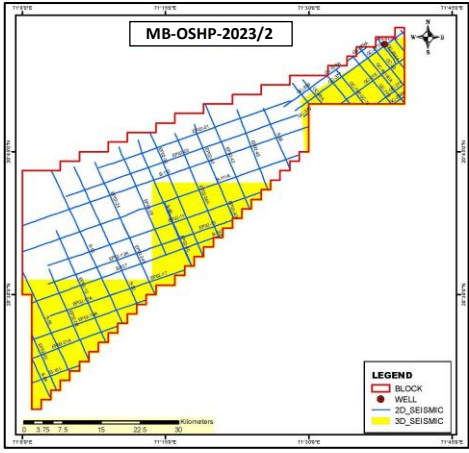
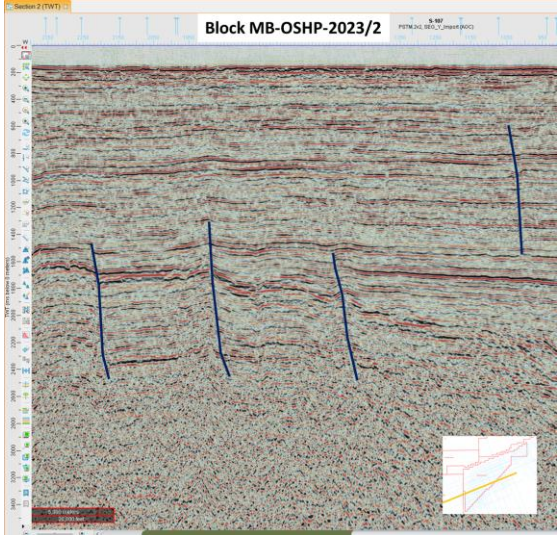


Litho-Stratigraphy of Mumbai Offshore Basin

Envisaged Petroleum System of Basin & Target Plays			
Source Rock	Reservoir	Entrapment Mechanism	Target Plays in the block
Paleocene to Early Eocene	Panna Clastic (Paleocene), Devgarh Carbonate (Early Eocene), Bassein Limestone (Middle-to-Late Eocene), Mukta Limestone (Early Oligocene) and Miocene carbonates	Structural (Fault-bound closures)	Paleocene Clastic, Early Eocene Carbonate, Middle-Late Eocene Carbonate, Early Oligocene Carbonate and Miocene Carbonate, Biogenic Pliocene plays

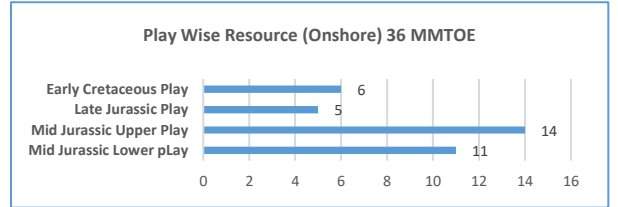
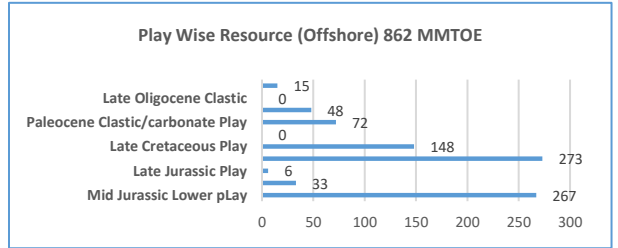
BLOCKS ON OFFER

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">MB-OSHP-2023/1</td> </tr> <tr> <td style="width: 15%;">Area(sq.km)</td> <td style="text-align: center;">2935.19</td> </tr> <tr> <td>2D (LKM)</td> <td style="text-align: center;">652.24</td> </tr> <tr> <td>3D (sq.km)</td> <td style="text-align: center;">1182.75</td> </tr> <tr> <td>No.of Wells</td> <td style="text-align: center;">3</td> </tr> <tr> <td>Reports</td> <td style="text-align: center;">3</td> </tr> </table>	MB-OSHP-2023/1		Area(sq.km)	2935.19	2D (LKM)	652.24	3D (sq.km)	1182.75	No.of Wells	3	Reports	3	 <p style="text-align: center;">MB-OSHP-2023/1</p> <p style="text-align: center;">LEGEND ■ BLOCK ● WELL — 2D_SEISMIC ■ 3D_SEISMIC</p>	 <p style="text-align: center;">Block MB-OSHP-2023/1</p>
MB-OSHP-2023/1														
Area(sq.km)	2935.19													
2D (LKM)	652.24													
3D (sq.km)	1182.75													
No.of Wells	3													
Reports	3													
Block Information	Base Map	Representative 2D / 3D Seismic Line of MB-OSHP-2023/1												

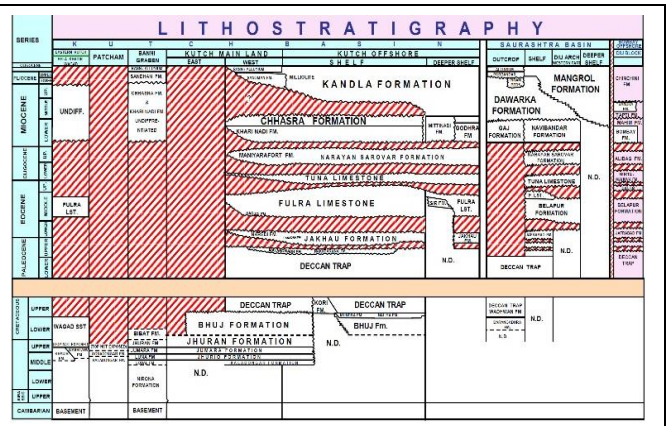
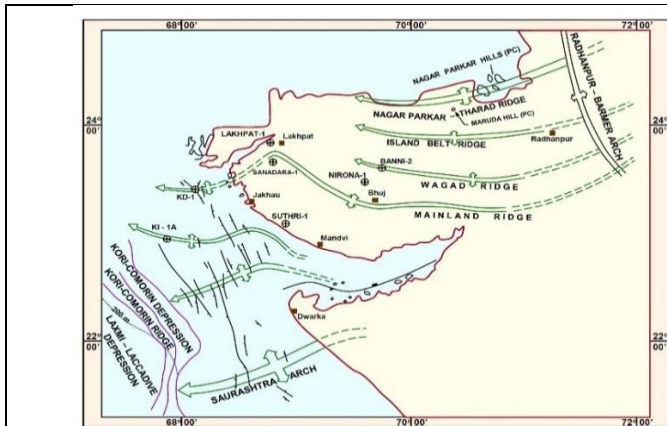
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">MB-OSHP-2023/2</td> </tr> <tr> <td style="width: 15%;">Area(sq.km)</td> <td style="text-align: center;">1749.74</td> </tr> <tr> <td>2D (LKM)</td> <td style="text-align: center;">895.98</td> </tr> <tr> <td>3D (sq.km)</td> <td style="text-align: center;">681.95</td> </tr> <tr> <td>No.of Wells</td> <td style="text-align: center;">1</td> </tr> <tr> <td>Reports</td> <td style="text-align: center;">1</td> </tr> </table>	MB-OSHP-2023/2		Area(sq.km)	1749.74	2D (LKM)	895.98	3D (sq.km)	681.95	No.of Wells	1	Reports	1	 <p style="text-align: center;">MB-OSHP-2023/2</p> <p style="text-align: center;">LEGEND ■ BLOCK ● WELL — 2D_SEISMIC ■ 3D_SEISMIC</p>	 <p style="text-align: center;">Block MB-OSHP-2023/2</p>
MB-OSHP-2023/2														
Area(sq.km)	1749.74													
2D (LKM)	895.98													
3D (sq.km)	681.95													
No.of Wells	1													
Reports	1													
Block Information	Base Map	Representative 2D / 3D Seismic Line of MB-OSHP-2023/2												

KUTCH BASIN

Basin Area (sq.km)	EoI Window	Blocks on offer	Resource potential (In-place MMTOE)	
			Discovered	Undiscovered
58,554	XIV	GK-OSHP-2023/1	71	827



Play-wise Conventional Hydrocarbon In-place (MMTOE)



Envisaged Petroleum System of Basin & Target Plays

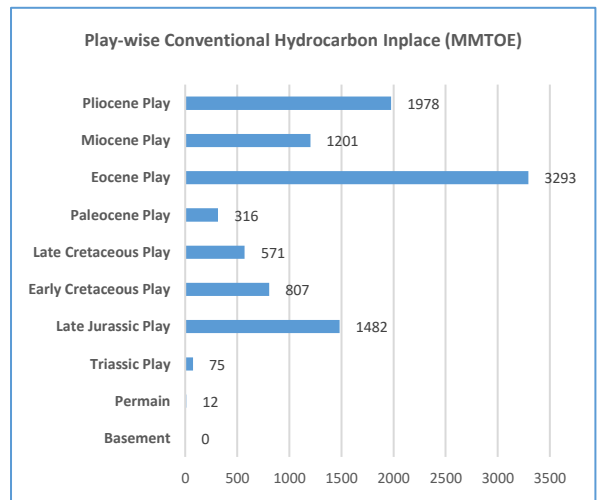
Source Rock	Reservoir	Entrapment Mechanism	Target Plays in the block
Mesozoic shales (Lower Bhuj and Jhumara), Paleocene limestone (Nakhatrana), Early Eocene shales (Jakhau)	Paleocene carbonates, Mid-Miocene/Early Eocene clastics and Late Cretaceous-Paleocene fractured basalts	Structural to strati-structural	Paleocene, Mid-Miocene and Early Eocene

BLOCK ON OFFER

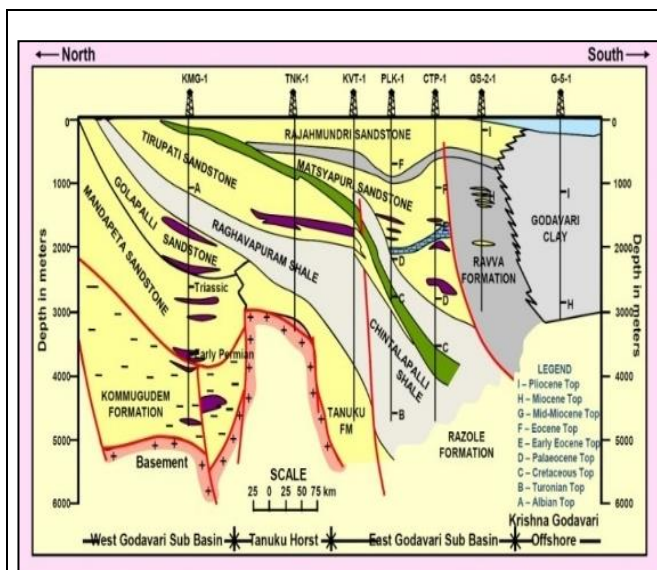
GK-OSHP-2023/1		GK-OSHP-2023/1		Block GK-OSHP-2023/1	
Area(sq.km)	3164.61			<p>Block Information</p> <p>Base Map</p> <p>Representative 2D / 3D Seismic Line of GK-OSHP-2023/1</p>	
2D (LKM)	773.64				
3D (sq.km)	2066.56				
No.of Wells	2				
Reports	2				

KRISHNA GODAVARI BASIN

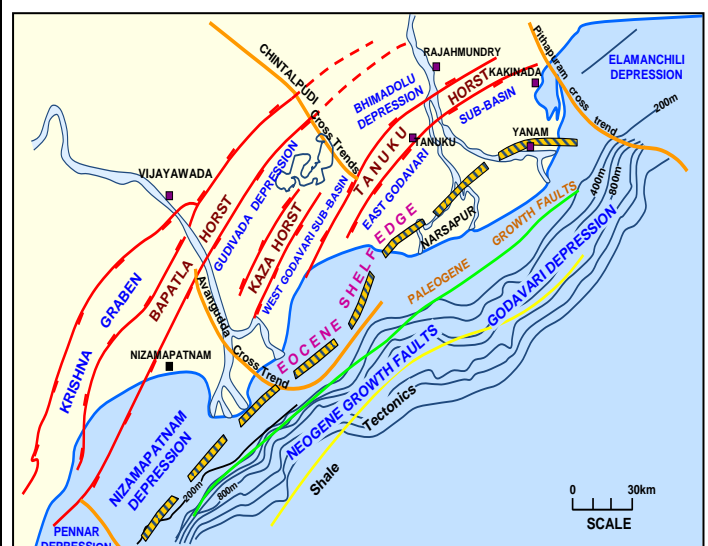
Basin Area (sq.km)	EoI Window	Blocks on offer	Resource potential (In-place MMTOE)	
			Discovered	Undiscovered
2, 30,000	DGH Carved Out	KG-UDWHP-2023/1	1,977	7,578
		KG-UDWHP-2023/2		



Play-wise Conventional Hydrocarbon In-place (MMTOE)



Geological Cross Section Across Krishna-Godavari Basin

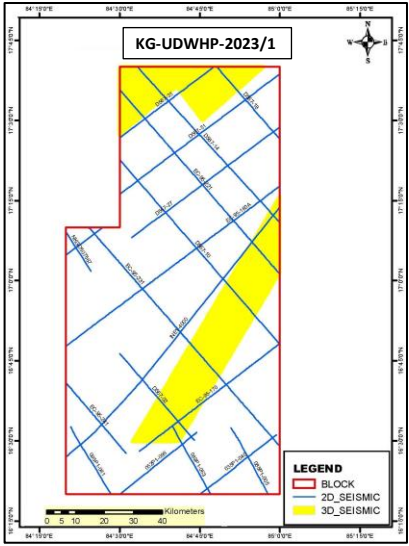
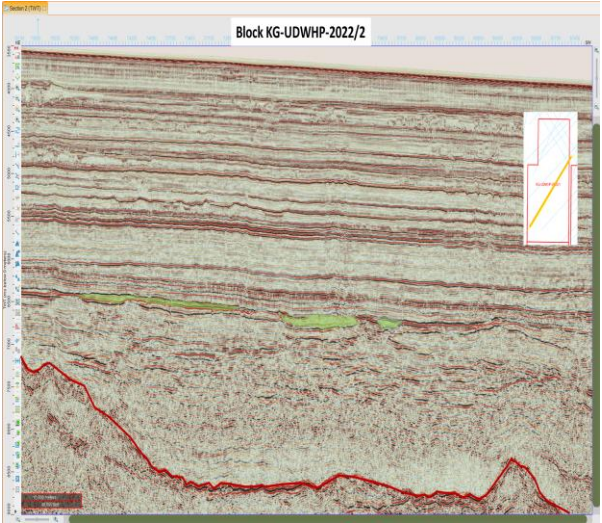


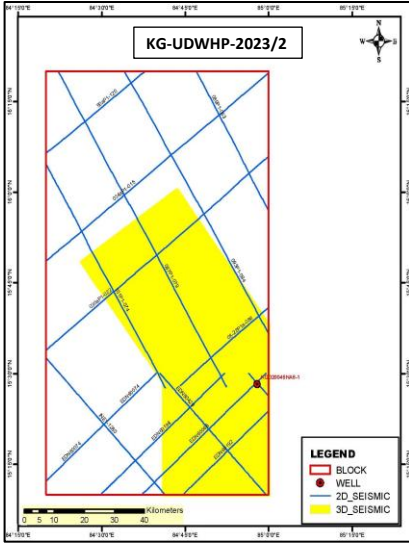
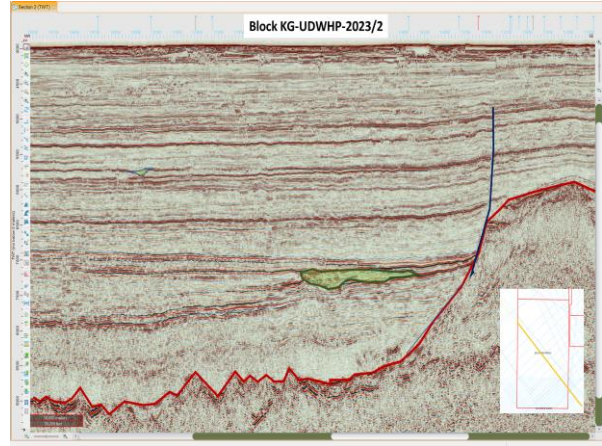
Tectonic Framework of Krishna-Godavari Basin

Envisaged Petroleum System of Basin & Target Plays

Source Rock	Reservoir	Entrapment Mechanism	Target Plays in the block
Mesozoic/Eocene-Oligocene (Thermogenic), Mio-Pleistocene (Biogenic)	Mio-Pliocene and Pleistocene	Stratigraphic and Strati-structural	Pleistocene deepwater channel-lobe complexes, Pliocene deepwater channel complexes abutting against frontal thrust, Late Miocene channelized lobes on the slope created by the frontal thrust.

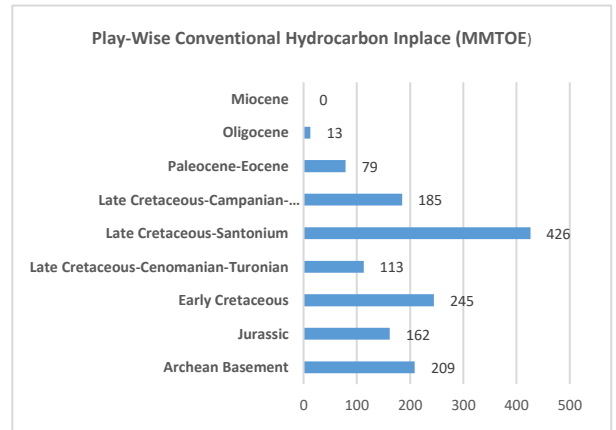
BLOCKS ON OFFER

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">KG-UDWHP-2023/1</td> </tr> <tr> <td style="width: 20%;">Area(sq.km)</td> <td>9495.16</td> </tr> <tr> <td>2D (LKM)</td> <td>1046.97</td> </tr> <tr> <td>3D (sq.km)</td> <td>1674.02</td> </tr> <tr> <td>No.of Wells</td> <td>NIL</td> </tr> <tr> <td>Reports</td> <td>NIL</td> </tr> </table>	KG-UDWHP-2023/1		Area(sq.km)	9495.16	2D (LKM)	1046.97	3D (sq.km)	1674.02	No.of Wells	NIL	Reports	NIL		
KG-UDWHP-2023/1														
Area(sq.km)	9495.16													
2D (LKM)	1046.97													
3D (sq.km)	1674.02													
No.of Wells	NIL													
Reports	NIL													
Block Information	Base Map	Representative 2D / 3D Seismic Line of KG-UDWHP-2023/1												

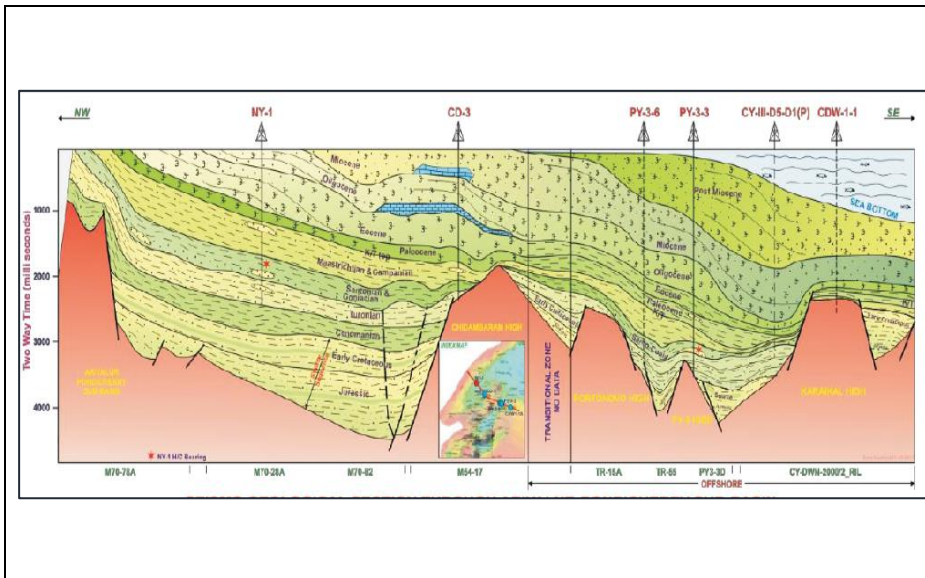
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">KG-UDWHP-2023/2</td> </tr> <tr> <td style="width: 20%;">Area(sq.km)</td> <td>9223.22</td> </tr> <tr> <td>2D (LKM)</td> <td>902.29</td> </tr> <tr> <td>3D (sq.km)</td> <td>3268.39</td> </tr> <tr> <td>No.of Wells</td> <td>1</td> </tr> <tr> <td>Reports</td> <td>1</td> </tr> </table>	KG-UDWHP-2023/2		Area(sq.km)	9223.22	2D (LKM)	902.29	3D (sq.km)	3268.39	No.of Wells	1	Reports	1		
KG-UDWHP-2023/2														
Area(sq.km)	9223.22													
2D (LKM)	902.29													
3D (sq.km)	3268.39													
No.of Wells	1													
Reports	1													
Block Information	Base Map	Representative 2D / 3D Seismic Line of KG-UDWHP 2023/2												

CAUVERY BASIN

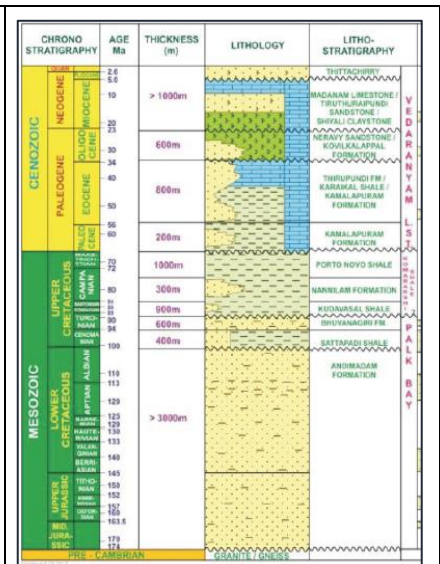
Basin Area (sq.km)	EoI Window	Blocks on offer	Resource potential (In-place MMTOE)	
			Discovered	Undiscovered
2,40,000	XIII	CY-UDWHP-2022/1	294	1,138
		CY-UDWHP-2022/2		
		CY-UDWHP-2022/3		
	XIV	CY-UDWHP-2023/1		



Play-wise Conventional Hydrocarbon In-place (MMTOE)



Basinward NW-SE seismo-geological section across prominent structural highs and lows

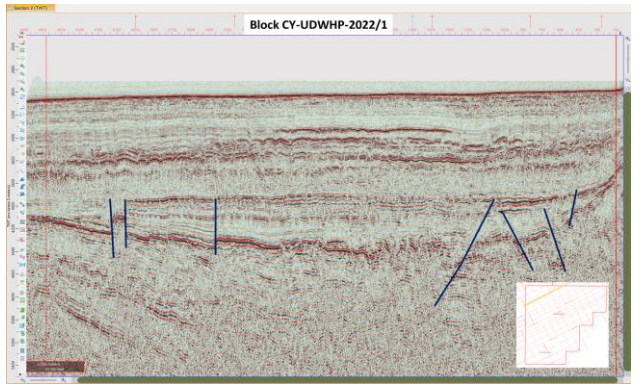


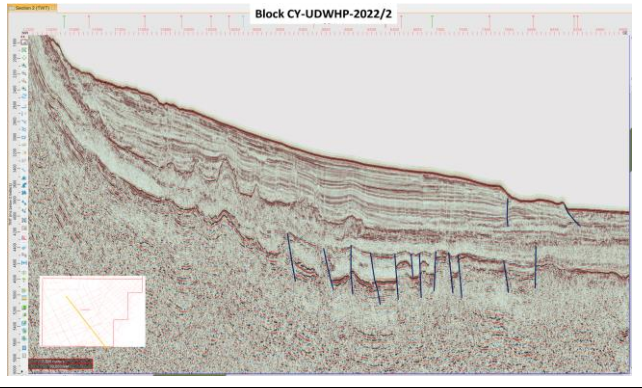
General Stratigraphy of Cauvery basin

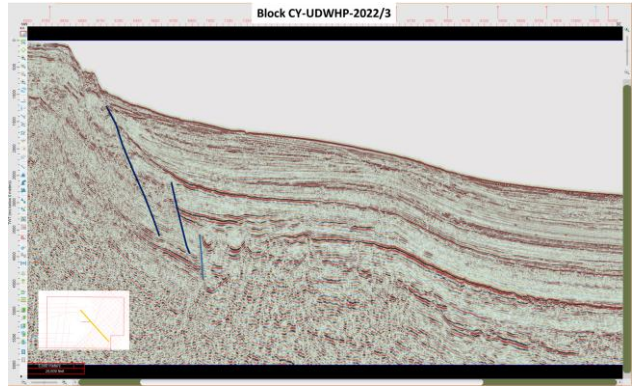
Envisaged Petroleum System of Basin & Target Plays

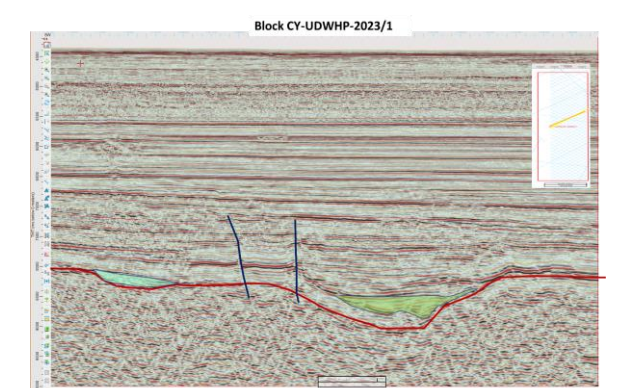
Source Rock	Reservoir	Entrapment Mechanism	Target Plays in the block
Late Jurassic to Early Cretaceous shales	Upper Cretaceous synrift sequences (Andimadam formation), fractured basement and Tertiary clastic	Strati-structural (fault-bound closure, basement fracture, pinch-out and channel fill)	Fractured basement, Upper Cretaceous and Tertiary

BLOCKS ON OFFER

CY-UDWHP-2022/1		CY-UDWHP-2022/1
Area(sq.km)	9514.63	
2D (LKM)	1001.96	
3D (sq.km)	988.15	
No.of Wells	Nil	
Reports	Nil	
Block Information	Base Map	Representative 2D / 3D Seismic Line of CY-UDWHP-2022/1

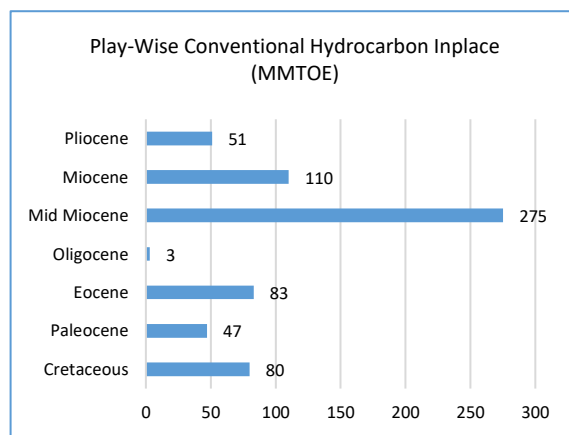
CY-UDWHP-2022/2		CY-UDWHP-2022/2
Area(sq.km)	9844.72	
2D (LKM)	891.51	
3D (sq.km)	2810.83	
No.of Wells	1	
Reports	1	
Block Information	Base Map	Representative 2D / 3D Seismic Line of CY-UDWHP-2022/2

CY-UDWHP-2022/3		CY-UDWHP-2022/3
Area(sq.km)	7795.45	
2D (LKM)	893.72	
3D (sq.km)	1444.07	
No.of Wells	1	
Reports	1	
Block Information	Base Map	Representative 2D / 3D Seismic Line of CY-UDWHP-2022/3

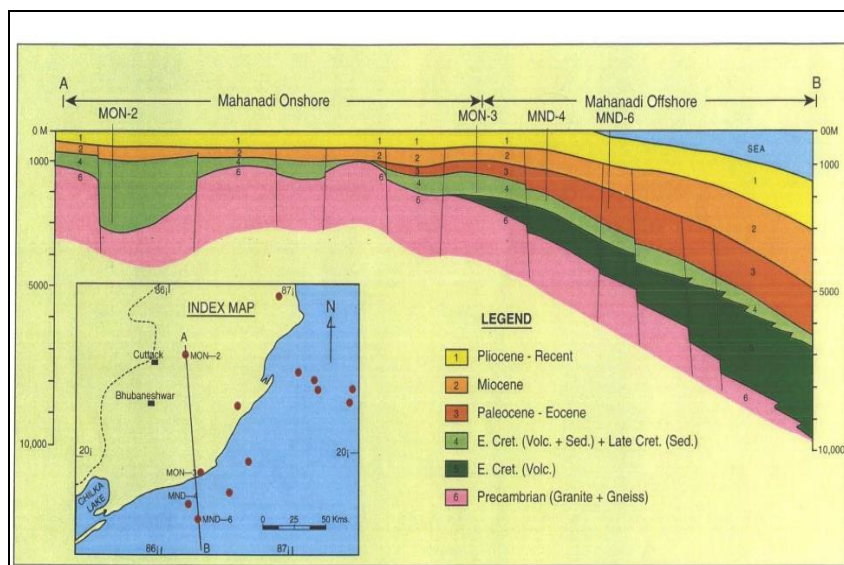
CY-UDWHP-2023/1		CY-UDWHP-2023/1
Area(sq.km)	5330.49	
2D (LKM)	1006.57	
3D (sq.km)	423.72	
No.of Wells	Nil	
Reports	Nil	
Block Information	Base Map	Representative 2D / 3D Seismic Line of CY-UDWHP-2023/1

MAHANADI BASIN

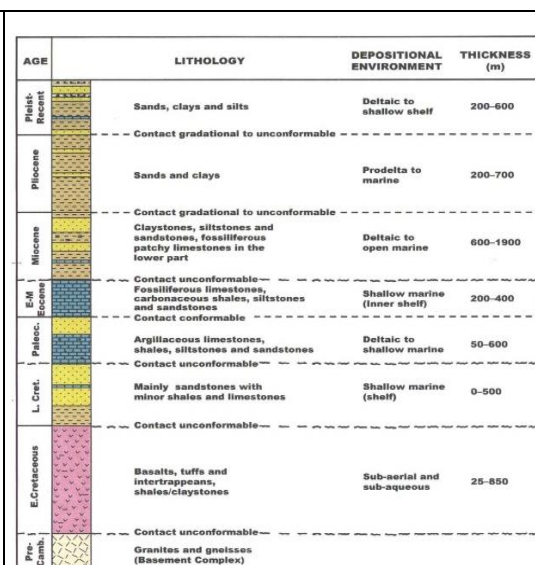
Basin Area (sq.km)	EoI Window	Blocks on offer	Resource potential (In-place MMTOE)	
			Discovered	Undiscovered
99,500	DGH Carved Out	MN-UDWHP-2023/1	77	574
		MN-UDWHP-2023/2		
		MN-UDWHP-2023/3		



Play-wise Conventional Hydrocarbon In-place (MMTOE)



Geologic Section across Mahanadi Basin

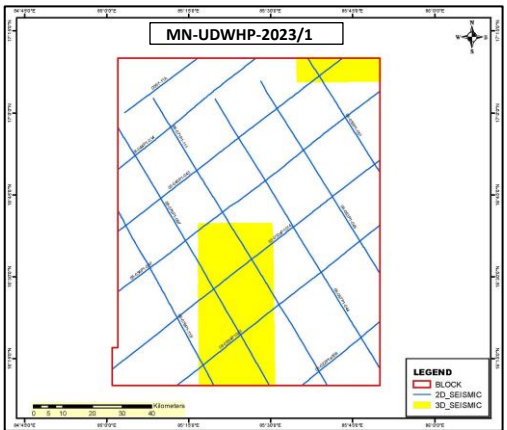
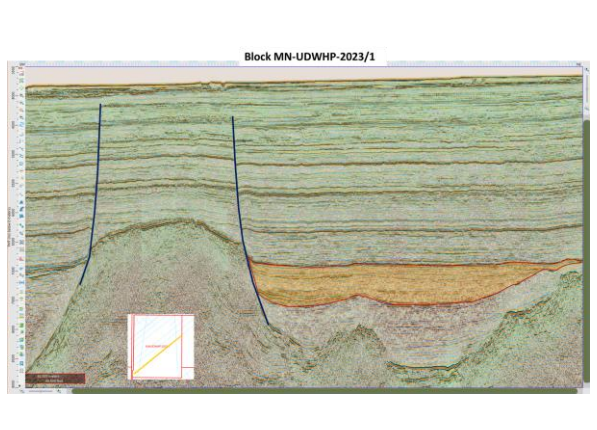


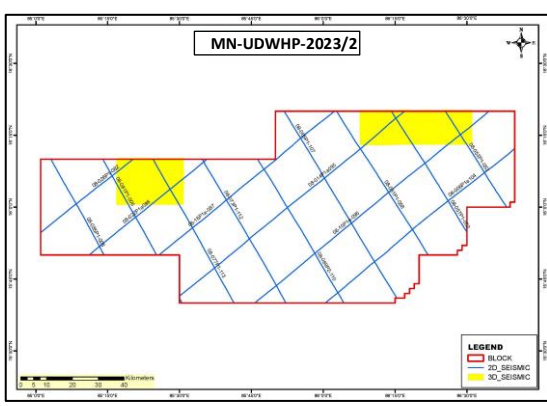
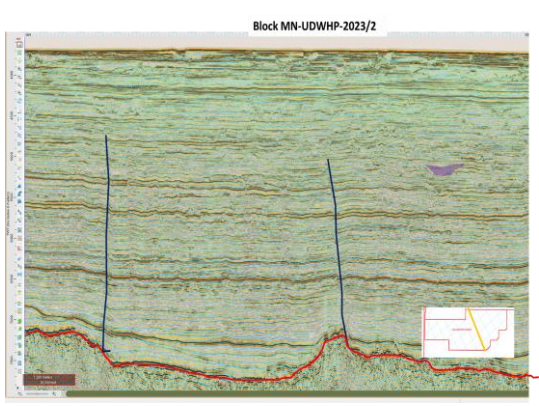
Generalized Litho-Stratigraphic Column of Mahanadi Shallow Offshore Basin

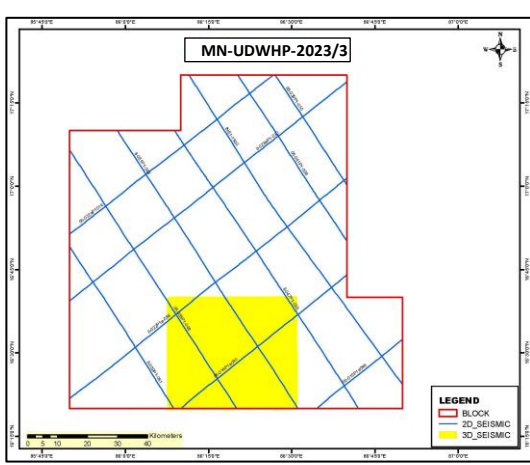
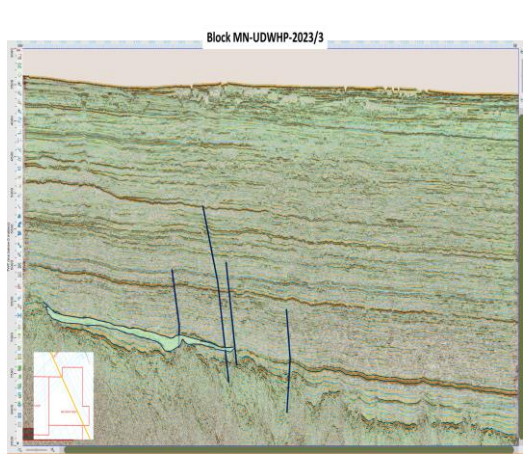
Envisaged Petroleum System of Basin & Target Plays

Source Rock	Reservoir	Entrapment Mechanism	Target Plays in the block
Cretaceous/Paleogene (Thermogenic), Neogene (Biogenic)	Cretaceous, Oligocene, Mio-Pliocene and Pleistocene	Stratigraphic, Strati-structural	Paleogene and Neogene are proven plays, while Cretaceous is known but un-discovered play.

BLOCKS ON OFFER

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="text-align: left;">MN-UDWHP-2023/1</th> </tr> <tr> <td style="width: 15%;">Area(sq.km)</td> <td>9466.85</td> </tr> <tr> <td>2D (LKM)</td> <td>1028.49</td> </tr> <tr> <td>3D (sq.km)</td> <td>1528.05</td> </tr> <tr> <td>No.of Wells</td> <td>Nil</td> </tr> <tr> <td>Reports</td> <td>Nil</td> </tr> </table>	MN-UDWHP-2023/1		Area(sq.km)	9466.85	2D (LKM)	1028.49	3D (sq.km)	1528.05	No.of Wells	Nil	Reports	Nil	 <p style="text-align: center;">MN-UDWHP-2023/1</p> <p style="text-align: center;">Base Map</p>	 <p style="text-align: center;">Block MN-UDWHP-2023/1</p> <p style="text-align: center;">Representative 2D / 3D Seismic Line of MN-UDWHP-2023/1</p>
MN-UDWHP-2023/1														
Area(sq.km)	9466.85													
2D (LKM)	1028.49													
3D (sq.km)	1528.05													
No.of Wells	Nil													
Reports	Nil													
Block Information	Base Map	Representative 2D / 3D Seismic Line of MN-UDWHP-2023/1												

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MN-UDWHP-2023/2														
Area(sq.km)	9425.84													
2D (LKM)	1026.49													
3D (sq.km)	1076.84													
No.of Wells	Nil													
Reports	Nil													
Block Information	Base Map	Representative 2D / 3D Seismic Line of MN-UDWHP-2023/2												

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="text-align: left;">MN-UDWHP-2023/3</th> </tr> <tr> <td style="width: 15%;">Area(sq.km)</td> <td>9831.48</td> </tr> <tr> <td>2D (LKM)</td> <td>1033.09</td> </tr> <tr> <td>3D (sq.km)</td> <td>1487.86</td> </tr> <tr> <td>No.of Wells</td> <td>Nil</td> </tr> <tr> <td>Reports</td> <td>Nil</td> </tr> </table>	MN-UDWHP-2023/3		Area(sq.km)	9831.48	2D (LKM)	1033.09	3D (sq.km)	1487.86	No.of Wells	Nil	Reports	Nil	 <p style="text-align: center;">MN-UDWHP-2023/3</p> <p style="text-align: center;">Base Map</p>	 <p style="text-align: center;">Block MN-UDWHP-2023/3</p> <p style="text-align: center;">Representative 2D / 3D Seismic Line of MN-UDWHP-2023/3</p>
MN-UDWHP-2023/3														
Area(sq.km)	9831.48													
2D (LKM)	1033.09													
3D (sq.km)	1487.86													
No.of Wells	Nil													
Reports	Nil													
Block Information	Base Map	Representative 2D / 3D Seismic Line of MN-UDWHP-2023/3												

BASIC DATA PACKAGES & DATA VIEWING FACILITY

OALP Bid Round-IX

- Bidders will have to submit a non-refundable tender fee of 5,00,000 (Five Lakhs) (excluding taxes) to be paid online to the DGH at the bidding stage.

Basic Data Package

S.No	BASIN NAME	BLOCK NAME	BASIC DATA PACKAGE		
			2D (LKM)	Well Data (Nos.)	Well Reports
1	CAMBAY	CB-ONHP-2022/2	641.45	3	3
2	CAMBAY	CB-OSHP-2023/1	659.03	3	3
3	CAMBAY	CB-ONHP-2023/1	382.59	5	5
4	CAMBAY	CB-ONHP-2023/2	783.53	2	2
5	CAMBAY	CB-ONHP-2023/3	632.08	3	3
6	CAMBAY	CB-OSHP-2023/2	395.76	0	0
7	ASSAM SHELF	AS-ONHP-2022/2	0.00	0	1
8	ASSAM SHELF	AS-ONHP-2022/3	205.99	0	0
9	SAURASHTRA	GS-OSHP-2022/1	1030.19	0	0
10	SAURASHTRA	GS-OSHP-2022/2	912.39	0	2
11	SAURASHTRA	GS-ONHP-2023/1	150.56	0	0
12	SAURASHTRA	GS-OSHP-2023/1	772.35	2	2
13	SAURASHTRA	GS-UDWHP-2023/1	715.07	2	2
14	SAURASHTRA	GS-UDWHP-2023/2	859.08	1	1
15	SAURASHTRA	GS-ONHP-2023/2	146.88	0	0
16	SAURASHTRA	GS-ONHP-2023/3	124.53	0	0
17	MUMBAI OFFSHORE	MB-OSHP-2023/1	652.24	3	3
18	MUMBAI OFFSHORE	MB-OSHP-2023/2	895.98	1	1
19	KUTCH	GK-OSHP-2023/1	773.64	2	2
20	KRISHNA GODAVARI	KG-UDWHP-2023/1	1046.97	0	0
21	KRISHNA GODAVARI	KG-UDWHP-2023/2	902.29	1	1
22	CAUVERY	CY-UDWHP-2022/1	1001.96	0	0
23	CAUVERY	CY-UDWHP-2022/2	891.51	1	1
24	CAUVERY	CY-UDWHP-2022/3	893.72	1	1
25	CAUVERY	CY-UDWHP-2023/1	1006.57	0	0
26	MAHANADI	MN-UDWHP-2023/1	1028.49	0	0
27	MAHANADI	MN-UDWHP-2023/2	1026.49	0	0
28	MAHANADI	MN-UDWHP-2023/3	1033.09	0	0

Basic Data package consists of selected 2D Lines, well data and well reports (WCR/FER) from the available data in the block.

Bidders can purchase additional data over and above the basic data from NDR as per NDR purchase list. Reports of Hydrocarbon Resource Assessment can be purchased from NDR Web Portal.

Data Viewing Facility

Physical data rooms with interpretation facility

Physical data rooms with interpretation facility for Block on offer (Under OALP Bid Round-V) will be available at NOIDA, Uttar Pradesh(India). The charges for data rooms per day per workstation will be as per NDR Data Viewing Policy and fee would be payable through NDR portal (<https://www.ndrdgh.gov.in/NDR/>)

The data viewing would be as per the following conditions

- A maximum of up to only 4 technical persons are permitted in Data Viewing Room at one time.
- Copying, photocopying or downloading is not allowed. Only notes can be taken.
- Bags, Briefcase etc. are not permitted in Data Viewing Room. Only pens/pencils and paper note books are permitted.
- Resource reassessment reports and data packages will be put up for viewing in the data rooms.
- Only authorized representatives of a Company/Consortium can view the data. Independent consultants are not permitted.
- Data viewing will be with prior appointment on first come first served basis.
- Company/Consortium can view selected data on online on web only on authorization by DGH, for further details, visit the DGH website:www.dghindia.gov.in

OVERVIEW OF OALP BID ROUNDS

OALP Bid Round-I

- ❖ Sedimentary Basins : 11
- ❖ Blocks Awarded : 55
- ❖ Total Block Area : 59,282 sq.km

OALP Bid Round-II

- ❖ Sedimentary Basins : 7
- ❖ Blocks Awarded : 14
- ❖ Total Block Area : 29,232.52sq.km

OALP Bid Round-III

- ❖ Sedimentary Basins : 10
- ❖ Blocks Awarded : 18
- ❖ Total Block Area : 29,765 sq.km

OALP Bid Round-IV

- ❖ Sedimentary Basins : 3
- ❖ Blocks Awarded : 7
- ❖ Total Block Area : 18,509.69 sq.km

OALP Bid Round-V

- ❖ Sedimentary Basins : 8
- ❖ Blocks Awarded : 11
- ❖ Total Block Area : 19,789.04 sq.km

OALP Bid Round-VI

- ❖ Sedimentary Basins : 11
- ❖ Blocks Awarded : 21
- ❖ Total Block Area : 35,346.03 sq.km

OALP Bid Round-VII

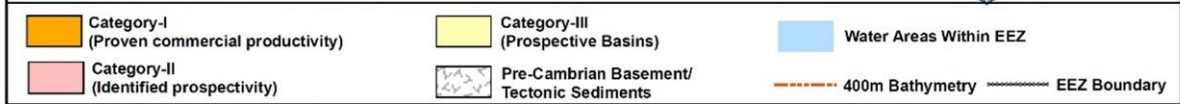
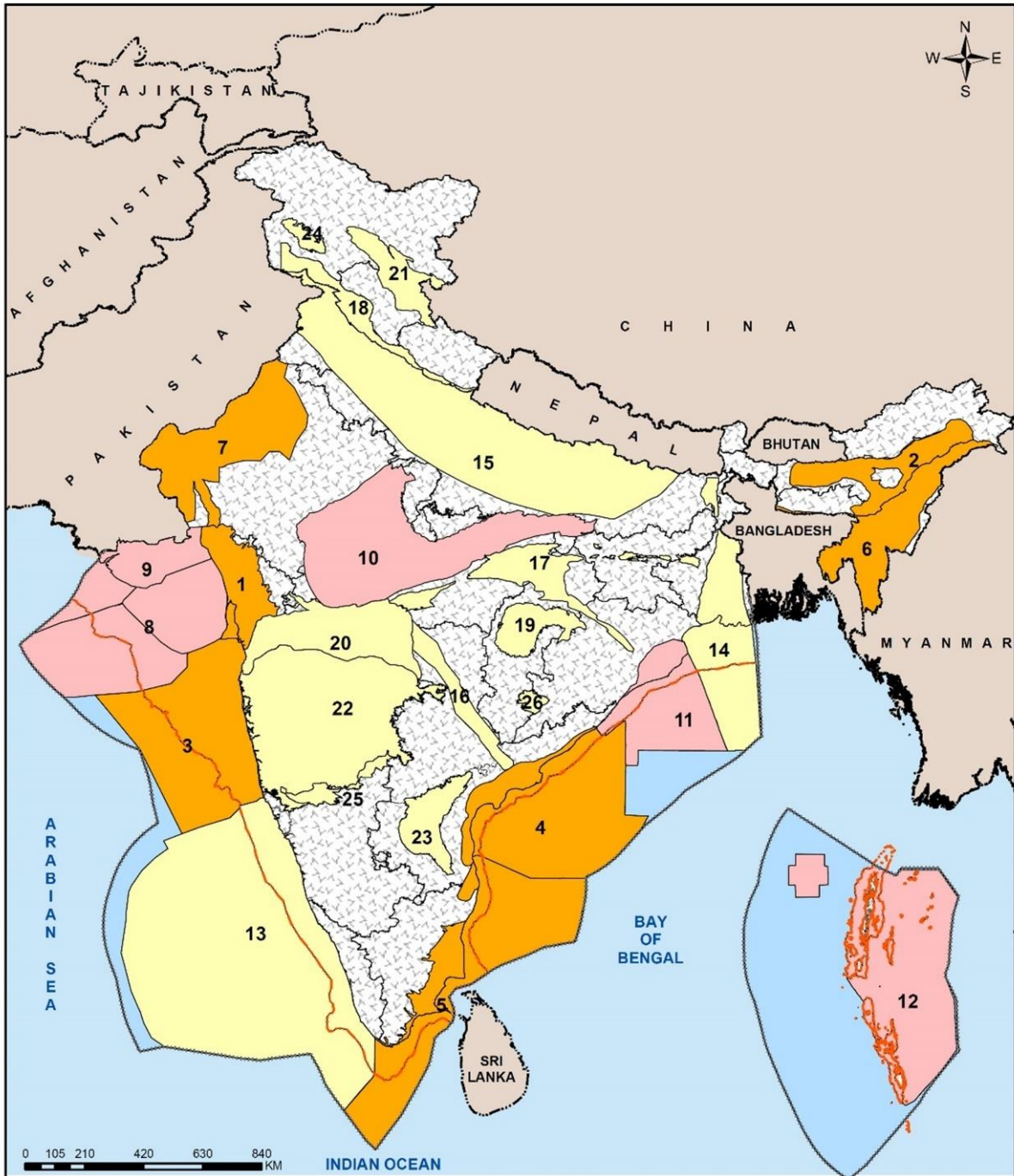
- ❖ Sedimentary Basins : 6
- ❖ Blocks Awarded : 8
- ❖ Total Block Area : 15,766 sq.km

OALP Bid Round-VIII

- ❖ Sedimentary Basins : 9
- ❖ Blocks Awarded : 10
- ❖ Total Block Area : 36,316.5 sq.km

OALP Bid Round-IX

- ❖ Sedimentary Basins : 8
- ❖ Blocks on Offer : 28
- ❖ Total Block Area : 136,596.45 sq.km



Category – I Basins		Category – II Basins		Category – III Basins	
1	Cambay	8	Saurashtra	13	Kerala - Konkan
2	Assam - Shelf	9	Kutch	14	Bengal - Purnea
3	Mumbai Offshore	10	Vindhyan	15	Ganga - Punjab
4	Krishna - Godavari	11	Mahanadi	16	Pranhita - Godavari
5	Cauvery	12	Andaman - Nicobar	17	Satpura - South Rewa - Damodar
6	Assam - Arakan Fold Belt			18	Himalayan - Foreland
7	Rajasthan			19	Chhattisgarh
				20	Narmada
				21	Spiti - Zanskar
				22	Deccan Synedisie
				23	Cuddapah
				24	Karewa
				25	Bhima - Kaladgi
				26	Bastar

WALKWALK	Br	0.4 (kg/m ³)	0
WALKWALK	Br	CMR1 CMR2 CMR3 CMR4 ***** 0.4 (kg/m ³)	0
GRWELLEDTOR	Br	KTMR CMR	TCMR1 TCMR2 TCMR3 L ₀
0 (gAPI) 100	Br	0.01 (mD) 100	0.4 (kg/m ³) 0
DAISCALDIPASCI	Br	M2TR M2RX P2ASCI L ₀	W2C1 WALK2 W2C1 WA
0 (in) 15	Br	0.1 (ohm) 1000	1 (kg/m ³) 0
PSBIBLLOL STC	Br	PCR1 PCR2 P2ASCI L ₀	W2C2 WALK2 W2C2 WA
0 (in) 15	Br	0.4 (kg/m ³) 0	1 (kg/m ³) 0
40	Br	KTMR ELAN	T2 D2T1 T2 D2T2 D2T3 D2C1
1-200	Br	0.01 (mD) 100	0.4 (kg/m ³) 0
4	Br		0.2 (in) 2000



Directorate General of Hydrocarbons

(Under Ministry of Petroleum & Natural Gas)

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