



CBM DEVELOPMENT IN INDIA



Directorate General of Hydrocarbons India





CBM Policy & Regulatory Framework

Status of CBM Development

Conclusion





- No participating interest of the Government
- No Signature Bonus
- Award of blocks through International Competitive Bidding
- Provision for bidding for any number of blocks
- Production Linked Payment Biddable
- Commercial bonus

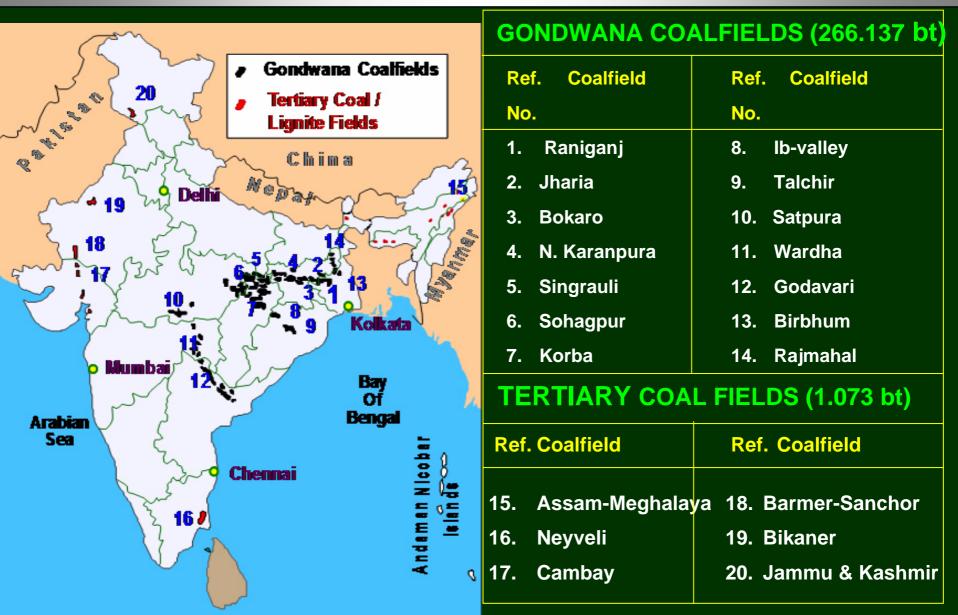




- > CBM Policy formulated in 1997
- Model Contract drafted in 1998
- > Blocks offered under Round-I in 2001
- So far, 3 rounds of bidding completed and 26 CBM blocks already awarded
- > Award of blocks under Round-IV is under progress.











STATE	ESTIMATED CBM RESOURCES (IN PJ)			
ANDHRA PRADESH	3675			
CHATTISGARH	8925			
GUJARAT	13020			
JHARKHAND	26775			
MADHYA PRADESH	8085			
MAHARASHTRA	1260			
NORTH EAST	315			
ORISSA	9030			
RAJASTHAN	13335			
TAMILNADU	3885			
WEST BENGAL	8085			
TOTAL	96390			
	ANDHRA PRADESH CHATTISGARH GUJARAT JHARKHAND MADHYA PRADESH MAHARASHTRA NORTH EAST ORISSA RAJASTHAN TAMILNADU WEST BENGAL			



GLOBAL PERSPECTIVE



SI.		COAL RESOURCES	CBM RESOURCES
No.	COUNTRY	(BILLION TONNES)	ТСМ
1	CANADA	7000	6.5 - 76.4
2.	RUSSIA	6500	13.3 – 73.6
3.	CHINA	4000	16.4 – 34.0
4.	USA	3970	12.7 – 25.5
5.	AUSTRALIA	1700	8.8 – 14.2
6.	INDIA	522 (272+ 250)	1.4 – 2.6
7.	GERMANY	320	1.7 – 2.5
8.	U.K	190	1.1 – 1.7
9.	POLAND	160	1.4 – 2.0
10.	SOUTH AFRICA	150	1.4 – 2.0
11.	INDONESIA	17	0.1 – 0.2
12.	ZIMBABWE	8	0.04 - 0.05





- Prognosticated Gas Resources : 420,000 PJ (In 15 Basins)
- CBM Gas Resources : 52,500 PJ (For 26 Blocks)
- Total Gas Resources : 472,500 PJ (Approx)
- In Place Gas Reserves Established (As on 01.06.2010)
 - GIIP : 109,200 PJ
 - CGIIP

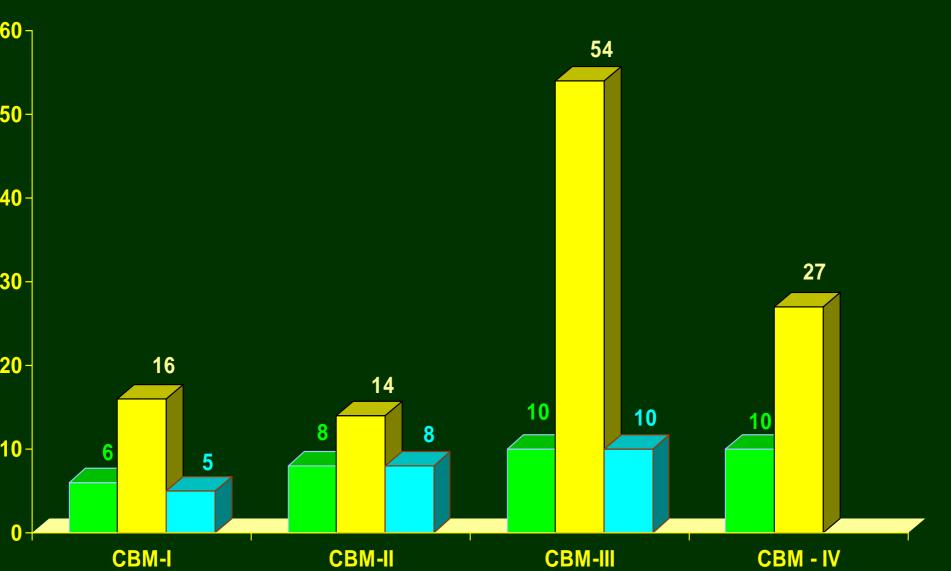
: 8,820 PJ



BIDDING ROUNDS



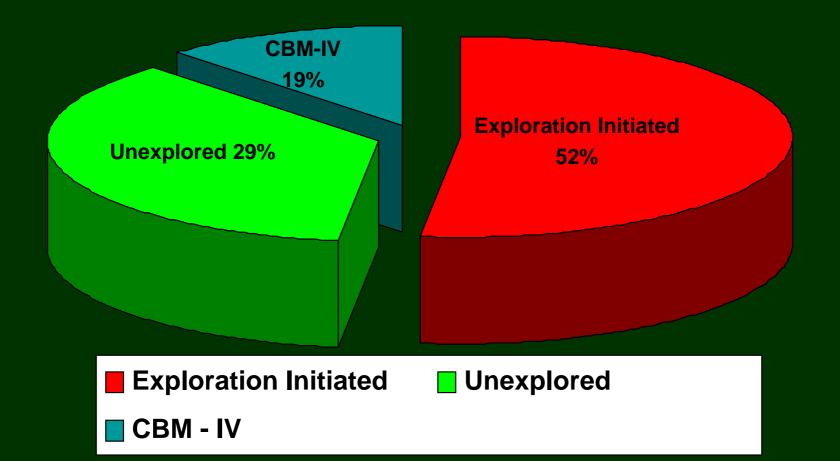
■ No. of Blocks Offered ■ No. of bids received ■ Blocks Awarded

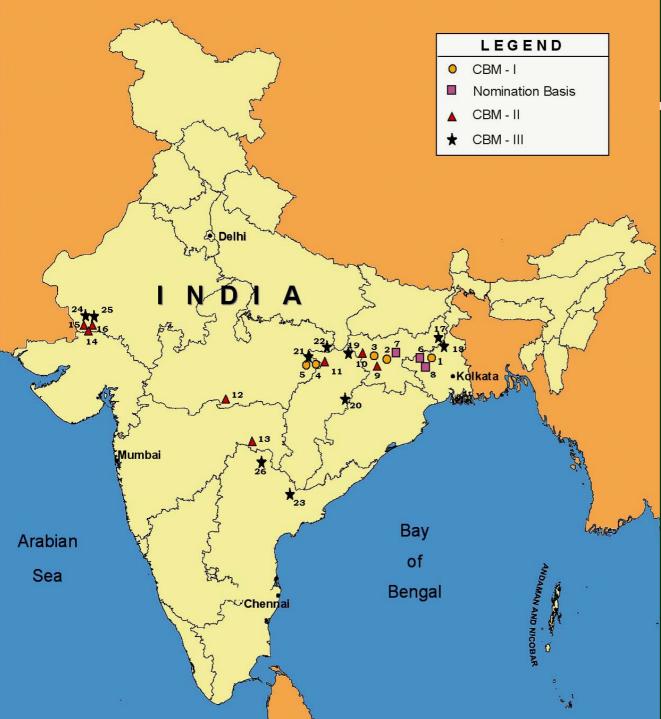






Total available coal bearing area : 26,000 sq. km.







CBM BLOCKS OFFERED SO FAR

Blocks Awarded: 26

- Nomination : 3
 - Round-I : 5
 - Round-II : 8
 - Round-III : 10

: 03

Development Phase



STATUS OF EXPLORATION

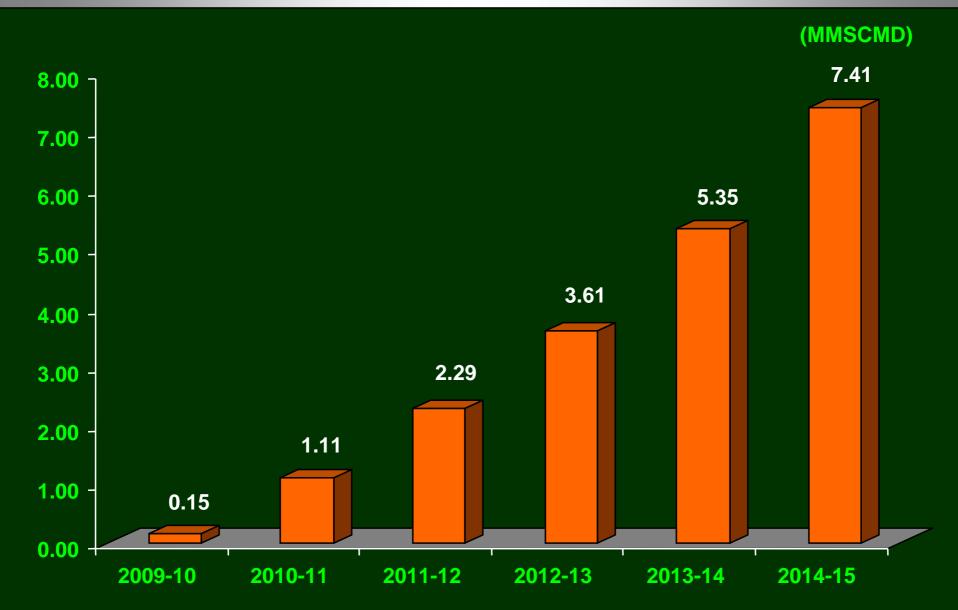


- Area opened up
- Blocks Awarded
- Total CBM Resources
- CBM Reserve Established
- Expected Production Potential
- Estimated Production by 2014-15
- CBM Wells drilled so far
- Investment Commitment
- Actual Investment (Expln Phase)

- : 13,600 Sq. Km.
- : 26
- : 54,600 PJ
- : 8804 PJ
- : 38 MMSCMD
- : 7.41 MMSCMD
- : 300
- : 3797 Million USD
 - (Exploration Phase only)
- : 375 Million USD (as on 01.01.2010)











CBM IN INDIA Success Story



CBM in India <u>- A Dream to Reality</u>







CONCLUSION



- Good CBM prospectivity
- Attractive Fiscal and Contractual Terms
- Widening demand supply gap
- Opportunity for CBM related services
- Ready market for CBM at attractive price





