

TECHNICAL ACTIVITY CARRIED OUT BY CENTRES / OVERSEAS CHAPTERS

Name of Centre / Overseas Chapter:		Durgapur Local Centre	
Title of Activity:		All India Workshop on "Principles and Practices of Coal Bed Methane and other Unconventional Gases (CMUG-2019)"	
Activity under Divisional Board (delete which are not applicable):		MNDB	
Date:	25-27 March 2019	Venue:	Dr D M Sen Auditorium, NIT Durgapur
			
View of Dais (l to r) : Prof K C Ghanta delivering his welcome address and sitting (l to r) : Prof Ajit Kumar Meikap, Mr David V Pichamuthu, Mr. Prem Sagar Mishra, Mr. V. K. Gupta & Mr. Vilas Tawde		Release of Souvenir during inaugural session of workshop	
			
<p align="center">A view of Audience</p> <p>The All India workshop on CMUG-2019 began with the lighting of the lamp and welcomed august gathering by Prof K C Ghanta, Chairman, Durgapur Local Centre of the Institution. In his address he highlighted the theme of the workshop and said, in the present scenario it is very relevant to think about the importance of the usage of the natural resources like various natural gases which is present in coalbed area very carefully keeping in mind about the environmental effect which impacts directly to the society.</p> <p><b>Prof Gopinath Halder, Convenor</b>, CMUG-2019 in his introductory address said Coalbed Methane (CBM), an unconventional source of natural gas is now considered as an alternative source for augmenting India's energy resource. India has the fifth largest proven coal reserves in the world and thus holds significant prospects for exploration and exploitation of CBM. The prognosticated CBM resources in the country are about 92 TCF (2600 BCM) in 12 states of India. In order to harness CBM potential in the country, the Government of India formulated CBM policy in 1997 wherein CBM being Natural Gas is explored and exploited under the provisions of OIL Fields (Regulation &amp; Development) Act 1948 (ORD Act 1948) and Petroleum &amp; Natural Gas Rules 1959 (P&amp;NG Rules 1959) administered by Ministry of Petroleum &amp; Natural Gas (MOP&amp;NG).</p> <p>In the inaugural session following dignitaries were present in the Dais along with other dignitaries from various organizations e.g. ONGC, CIL, Essar Oil, ECL, JCB, Mining Associates Pvt. Ltd, CSIR-CIMFR, NIT Durgapur, ISM, Dhanbad, CSIR-CMERI, SAIL-ISPL, IIM-Kolkata etc.</p> <p><b>1. Mr. Prem Sagar Mishra, Chairman &amp; MD, Eastern Coalfields Ltd.- Chief Guest</b></p>			

2. **Prof Ajit Kumar Meikap, Acting Director NIT, Durgapur-Guest of Honour**
3. **Mr David V Pichamuthu, Guest of Honour- Member and Past Chairman, MNDB, IEI**
4. **Mr V. K. Gupta, GGM and Asset Manager, CBM Asset, ONGC, Bokaro- Special Guest & keynote speaker**
5. **Mr. Vilas Tawde, MD & CEO, Essar Oil, CBM Project**
6. **Prof K C Ghanta, Chairman, Durgapur Local Centre**
7. **Mr M K Biswal, Hony. Secretary, Durgapur Local Centre**

**Mr Prem Sagar Mishra**, in his address spoke on Coalbed methane, coalbed gas, coal seam gas, or coal-mine methane is a form of natural gas extracted from coal beds. The CBM campaign as a transforming initiative in the region, where legacy of coal as source of energy is overdue for change, in light of changing environmental concerns and demanding pace of development. This vital industry – academia confluence is expected to crystallize innovative solutions towards efficient and cost effective CBM processes in the region. The partnership will pave the way for sustenance of CBM campaign in India for green industrialisation in the region for better tomorrow.

**Mr David V Pichamuthu** in his address expressed vividly about the production of coalbed methen and also said that the future prospect of coalbed methen in India is very bright. He also highlighted that the reserved resources will not sustain for a long run and on this aspect scientist community should think about the alternate resources for the development of the country through eco friendly manner.

**Mr. V K Gupta in his keynote** address on ‘ONGC’s CBM Campaign’ explained vividly about the Extraction of CBM prior to coal mining is practiced globally to facilitate safe mining and reduce its emission to the environment, being 25 times more potent GHG compared to CO<sub>2</sub>, besides leveraging this precious resource for the use of mankind. The marginality of CBM campaign calls for association of stakeholders, particularly R&D Institute and academia for inducing cost effective product and process innovations in the areas of reservoir modeling, management of produced water, waste disposal, improvised pump design, compression and gas dehydration module etc. in a time bound manner. Any incremental gain upon induction of innovative solutions through joint partnership of Industry and academia would go a long way for sustenance of CBM campaign in India for better tomorrow.

**Mr. Vilas Tawde** deliberated on the topic on ‘Raniganj CBM Development- Sustainable venture’ and in his address said India is one of the world's fastest growing economies and this growth is fueled by the ever increasing demand for energy. The challenge is two-fold, one is to secure and develop energy sources and second is to minimize the environmental impacts of these sources of energy. Unconventional Sources of hydrocarbons such as Coal Bed Methane, Shale and Gas Hydrates are expected to contribute to India’s long term energy requirement and are expected to offset the environmental impact of coal and crude oil.

Mr M K Biswal, Hony. Secretary, Durgapur Local Centre gave the vote of thanks after completion of inaugural session.