

**MINUTES OF THE 3RD MEETING OF CGPB COMMITTEE -V ON ENERGY MINERALS AND RESOURCES
HELD ON 7TH JULY, 2010 AT BIRESHWAR LASKAR CONFERENCE ROOM,
NATURAL ENERGY RESOURCES (Mission-IIB), GSI, KOLKATA.**

- 3.1.0** The 3rd Meeting of the CGPB Committee V on Energy Minerals and Resources was held on 7th July, 2010 under Chairmanship of the Convenor, Shri B. K. Jena, Dy. Director General, Natural Energy Resources (Mission IIB), GSI, Kolkata.
The list of participants is given in the Annexure.
- 3.1.1** Welcoming the members of the Committee, Shri D. Bhattacharya, Member Secretary informed that close coordination and fruitful interaction amongst many of its constituents members have resulted in augmentation of about 20 billion tonne coal and 1.25 billion tonne of lignite resources during the first three years of XI Plan period. He pointed out that the drilling progress under Promotional funding in the current XI Plan Period was behind schedule and expected all out efforts in the coming two years by the National and State Coal and Lignite Exploration Agencies will be helpful achieving the target set. Since already identified balance potential area demarcated for coal exploration is on the verge of completion, he appealed to all the exploration agencies to make concerted efforts in identifying possible potential areas further for future exploration work. He added that the CBM blocks awarded by DGH, where exploration has already been completed or have been relinquished by the concerned agencies, the same may be made available to the national coal & lignite exploration agencies to take up exploration as soon as possible..
- 3.1.2** Shri B. K. Jena, Dy. Director General and Convenor of the Committee welcomed all the members, member representatives and invitees representing all the major organizations. He explained the role of coal & lignite as the primary fuel for power generation in the country and would be a major contributing factor in achieving the projected GDP growth for rapid economic development of the country. He pointed out that the Planning Commission has estimated a requirement of 656.31 million tonne of coal for F.Y. 2010-11. It was informed that the coal and lignite resource of the country has been augmented by 9.6 billion tones and 824 million tonne respectively achieved through the concerted efforts of all the national and state exploration agencies and will be helpful in securing the country's resource base. He hoped that the CGPB Committee V would play a pivotal role in the completion of work in balance potential area, hopefully by the first year of XII Plan and be instrumental in identification of new vista for coal and consequent exploration through prognostication of potential areas by synthesis of exploration data. Dissemination of data, generated in course of CBM exploration in blocks allocated by DGH to the coal exploration fraternity would be helpful in enriching the knowledge base regarding coal bearing package and Convenor requested DGH to take initiative in this regard in national interest. He hoped that the State Departments of Meghalaya, Arunachal Pradesh & Sikkim may respond positively to the

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proposal for conducting coal exploration under promotional funding in their respective states following the examples set by Assam and Nagaland.

3.2.0 Follow up of action taken report on the decisions of the 2nd Meeting of the CGPB Committee V

3.2.1 As a follow up to the effort of participation of State Agencies by taking up exploration work under promotional funding mentioned in Para 2.2.1, DMG Rajasthan was requested to contact the office of Mission -IIB, situated in Western Region, GSI, Jaipur for relevant information related to gap areas of already explored lignite blocks of GSI in the Lignite Field of Rajasthan. **(Action: DMG Rajasthan)**

3.2.2 In connection with Para 2.2.2 related to resource base of Nagaland, GSI informed that out of the total resource indicated by DGM, Nagaland, a resource of 293.47 million tonne has already been incorporated in the National Inventory of the current year. Shri D. Bhattacharya, Director, GSI requested, DGM, Nagaland to send the resource data coalfield-wise in future for incorporation in the National Inventory.

3.2.3 In connection with Para 2.2.3, MECL informed that due to adverse ground conditions, suitable alternative area in North Eastern Region could not be identified, CMPDIL requested MECL to look into the matter, as the proposed target has to be completed. **(Action: MECL)**

3.2.4 In response to SCCL's request to drill up to the base of Barakar in Chintalpudi sub-basin, GSI informed that exploration in Vutasamudram-Venkatapuram area is proposed to be taken up in the ensuing field season. Dr. S. Mukherjee, Director, GSI informed that in the on-going Narayanapuram block only the 'B' & 'C' coal horizon have been encountered and complete Barakar Formation has not been intersected. He also informed that at present only one deep capacity-drilling rig is available in Godavari Valley Coalfield, which will be suitably deployed. On a query by him regarding the status of forest area in Bugga area, SCCL informed to take up the initial boreholes in the nearby available non forest area, the location of which has been shown to the geologists of GSI during joint field inspection of the area. **(Action: SCCL)**

3.2.5 In response to Para 2.2.9, MECL informed that out of the 2,43,013m revised drilling target for coal by MECL in XI Plan, 1,05,206m of drilling is left to be completed. Similarly, for lignite around 75,000m will have to be completed in this period. Under the circumstances, MECL expects to fulfill the entire envisaged revised XI Plan target.

3.2.6 In connection with Para 2.5.2, GSI informed that due to technical problems and ground condition GSI could not achieve the target of promotional drilling meterage in 2009-10 and efforts will be made to fulfill the shortfall in 2010-11. CMPDIL indicated that it was not able to complete the drilling target in F.Y. 2009-2010 since its drill units were diverted for detailed exploration. Member Secretary requested all exploration agencies to improve the drilling performance in the last two years of XI Plan. **(Action: All Exploration Agencies)**

3.2.7 On the point discussed under Para 2.5.3, Member Secretary informed that State

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Government of Sikkim, Meghalaya & Arunachal Pradesh have been requested to participate in the promotional exploration programmes and communication is awaited from them.

- 3.2.8** Relating to Para 2.5.5, CMPDIL informed DGM, Nagaland has submitted bills in June 2010 for the work carried out since February 2010. However, the bills could not be processed, as monthly progress reports for the work carried out have not been received. DGM Nagaland was requested to submit monthly progress reports on regular basis (pro forma already provided) for release of payment against the pre receipted bills.

(Action: DGM Nagaland)

- 3.2.9** In connection with Para 2.5.6, all concerned coal and lignite exploration agencies, particularly the State Govt. Organizations, were requested by the Member Secretary to submit the resource data in the existing format maintaining the time schedule for incorporation in the National Inventory. **(Action: All Coal/Lignite Exploration Agencies)**

- 3.2.10** Referring to Para 2.5.7, GSI once again requested CMPDIL to inform the name and geographical coordinates of the blocks to be taken up for captive mining. CMPDIL explained that MoC allots captive mining blocks and CMPDIL does not have prior information about allotment of blocks.

- 3.2.11** In response to Para 2.5.10 regarding formation of a technical committee to decide on modalities of geophysical logging of MECL's pending promotional bills, Member Secretary requested SCCL to take initiative for constituting the Committee so that the issue can be settled through discussion. **(Action: SCCL)**

- 3.2.12** Para 2.5.11 could not be taken up for discussion, as representative of NGRI was not present. **(Action: NGRI)**

- 3.2.13** Referring to Para 2.5.12, GSI informed that exploration in Bugga-Khamamtogu sector is proposed to be taken up in F.S. 2010-11 subject to availability of resources.

- 3.2.14** Para 2.5.14 could not be taken up for discussion, as representative of NGRI was not present. CMPDIL informed that NGRI has already started the work in Rajasthan.

(Action: NGRI)

- 3.2.15** Regarding Para 2.5.16, NLC acknowledged that the requisite material has been recently submitted by MECL.

- 3.2.16** In response to Para 2.5.17, NLC informed that CGM, Gujarat has contacted NLC.

- 3.2.17** In connection with Para 2.5.19 regarding norms of borehole core logging, Smt. N. Choudhury, CIMFR informed that a draft norm would be sent by CIMFR to the Committee V for examination and after finalization the same could be sent to Bureau of Indian Standards.

(Action: CIMFR)

- 3.2.18** Regarding Para 2.5.20, CIMFR informed that the issue of Technical Report is being examined and could not be taken up due to shortage of manpower. CIMFR assured to take up the matter at an early date. **(Action: CIMFR)**

- 3.2.19** Regarding Para 2.5.22, NLC informed that request has been received from CGM, Tamil Nadu and the required information will be sent shortly. **(Action: NLC)**

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3.2.20 Para 2.5.24 could not be taken up for discussion, as representative of NGRI was not present. (Action: NGRI)

3.3.0 **Ratification of the minutes of the 2nd Meeting of the Committee on Energy Minerals and Resources (Group V of CGPB)**

3.3.1 The minutes of the above meeting was ratified.

3.4.0 **Review of the work.**

3.4.1 Representative of respective agencies presented the achievements and highlights of the work carried out by them.

3.5.0 **Discussion on Agenda Items**

3.5.1 Shri Ahmed, CMPDIL informed the status of exploration in North Eastern States. He mentioned that the proposals of DGM, Assam and Nagaland have already been approved; DGM Nagaland has started the work. However, DGM Assam has not been able to take up the work till date. Representative of DGM Nagaland informed that exploration under promotional funding commenced in March 2010 and till date the mapping and a little drilling work has been undertaken. In the area six coal seams have been intersected and drilling productivity has been affected due to shortage of fund. CMPDIL pointed out that if the monthly progress reports are regularly received and bills are submitted in proper form, are payment will not be delayed provided funds are available.

(Action: DGM, Nagaland & CMPDIL)

3.5.2 **Segregation of Resource of MECL's Marwatola block**

CMPDIL pointed that resources estimated by MECL through Promotional Exploration in Marwatola block, Sohagpur Coalfield needs to be separately shown for the overlapping area of adjoining GSI block for inclusion in National Inventory of Coal Resources. Reacting to the issue, MECL informed that re-assessed resources in respect of Marwatola block, Sohagpur Coalfield have been communicated to CMPDIL on 23.06.2010. GSI informed that the said resource would be included in National Inventory of 2011.

3.5.3 **Revised Programme of Promotional drilling in F. Y. 2010-11**

The revised work programme of 1,55,000m of promotional drilling in F.Y. 2010-11 was presented by CMPDIL with a request that MECL may take up 14,000m of drilling in SCCL area in lieu of earlier commitment of 10,000m. Supplementing the view, SCCL pointed out that there has been a gradual decrease in drilling meterage in Godavari Valley Coalfield over the years and requested for more drilling under promotional funding. Member Secretary requested SCCL to indicate suitable areas for exploration. MECL assured that they would try their best to achieve the 14000m of exploratory drilling in SCCL area.

(Action: MECL & SCCL)

3.5.4 **Pending report of CIMFR regarding Adsorption Isotherm data.**

GSI pointed out that Adsorption Isotherm and Permeability reports of 50 coal (CBM) and 12

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coal core samples are pending from CIMFR since long and were to be submitted by March, 2010. Non-submission of the results has held up preparation of reports and submission of pending bills to CMPDIL. Smt. Choudhury, CIMFR assured that the issue would be brought to notice of the respective Division concerned looking after the work and requested GSI to send all letters / reminders in this regard for her special attention. **(Action: GSI & CIMFR)**

3.5.5 Ratification of CBM Study:

GSI stated that CBM study has been taken up in Birbhum and Mand-Raigarh coalfields instead of Ramkola-Tatapani, Singrauli and Talcher coalfields in F.Y. 2009-10 and requested for ratification of the same. After deliberation, the proposal was ratified. **(Action: GSI)**

3.5.6 Ratification of time extension for Piplimal-Khairkuni and Simlisahi-Kunjabiharipur Blocks.

Proposal of GSI for extension of time frame of completion of Piplimal-Khairkuni and Simlisahi-Kunjabiharipur blocks by three and six months respectively was ratified. In Simlisahi-Kunjabiharipur the total target of drilling has been revised to 6000m. **(Action: GSI)**

3.5.7 Future Regional Exploration for Coal in already explored CBM awarded blocks.

GSI stated that the balance left out area earmarked for exploration for coal is likely to be completed by the 1st year of the XII Plan Period. In order to identify areas for taking up coal exploration beyond that period, areas blocked for CBM exploration with little or no CBM potential that have been handed over / relinquished by Awardees, needs to be made available for regional exploration for coal / lignite by National Agencies. DGH was requested to examine the issue at an early date so that coal exploration programme can be formulated by national/state exploration agencies accordingly. DGH representative requested the Member Secretary to approach the Director General, DGH appraising the present situation so that coal exploration can be started in such released blocks.

(Action: Member Secretary)

3.5.8 Base Paper: CGPB Committee-V.

Explaining the background on the preparation of Base Paper on CGPB, Committee-V, GSI requested all members to go through the draft "Base Paper", which has already been circulated and offer their comments / suggestions at an early date so that the same can be finalized for onward transmission to CGPB Secretariat, New Delhi. **(Action: All Members)**

3.5.9 Guidelines & Procedures for certification and sanctioning Geophysical logging

SCCL informed the Committee that the GP logging of boreholes by MECL in SCCL command area could not be certified since the boreholes were not covered by density logging. CMPDIL pointed out that on these aspect prevalent guidelines for GP logging exists which are being followed. It was agreed to constitute a new committee with representatives

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from Core Group Members to look into the issue. **(Action: Core Group Members)**

SCCL pointed out that an alternative agency for taking up Geophysical logging in Godavari Valley Coalfield is required.

3.5.10 Regional exploration in Manuguru-Bugga area

On the request of SCCL, GSI proposes to take up regional exploration for coal in Bugga subject to availability of resources. **(Action: GSI)**

3.5.11 HRS Surveys in Godavari Valley Coalfield by NGRI, Hyderabad

SCCL requested the Committee to impress upon NGRI to expedite taking up of HRSS that in Godavari Valley Coalfield.

3.5.12 Establishing FTC at Kothagudem

SCCL thanks GSI for setting up a Field Training Centre (FTC) at Kothagudem.

3.5.13 Surveying borehole location with GPS in UTM Projection for lignite exploration blocks.

In order to make uniform coordinate system for lignite area, NLC requested that all lignite exploration agencies be advised to adopt the UTM projected coordinate system of WGS-84 datum using GPS instrument. Member Secretary requested all lignite exploration agencies to consider the proposal and give feedback. **(Action: All Lignite Exploration Agencies)**

3.5.14 Payment for GSI samples analysed at NLC Laboratory.

NLC requested that the payment for analysis of GSI lignite samples of Ramnad basin is due and the issue may be taken up for getting necessary approval for payment from Ministry of Coal. CMPDIL informed that the required permission has been accorded and the pending bills will be cleared shortly. **(Action: CMPDIL)**

3.5.15 Availability of Lignite Exploration Report of DMG, Rajasthan and CGM, Gujarat.

NLC requested State Departments of Rajasthan & Gujarat to provide lignite exploration reports for use in the creation of uniform co-ordinate system under ILRIS Project.

(Action: DMG Rajasthan & CGM Gujarat)

3.5.16 Ratification of excess meterage drilled by MECL

Block	F.Y.	Approved	Work done	Excess	Remarks
Tadikalaipudi, Godavari Valley Coalfield	08-09 09-10	9000m - 9000m	1647.00m <u>584.20m</u> 2231.20m	584.20m	Additional 584.20m drilled in F.Y. 2009-10 is ratified.
Deshnok - Ramsar - Sinthal area Bikaner	07-08 08-09 09-10	- 6000m - 6000m	7363.90m 7423.30m <u>676.80m</u> 15464.00	7363.90m 1423.30m <u>676.80m</u> 9464.00m	Additional meterage of 9464m drilled in F.Y. 2009-10 is ratified.
Diyatra Bikaner	08-09 09-10	10000m <u>7000m</u> 177000m	1154.00m <u>5752.00m</u> 17307.00m	1554.00m - <u>1554.00m</u>	Additional meterage of 1554m drilled in F.Y. 2008-09 is ratified.
Bangarsar - Jaimalsar, Bikaner	09-10 10-11	9000m <u>3000m</u> 12000m	12379.10m - 12379.10m	3379.10 - 3379.10m	Additional meterage drilled in F.Y. 2009-10 for 3379.10m is

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					ratified.
Pyau, Bikaner	07-08	10000m	7179.00m	-	Additional meterage of 789.60m & 915.90m drilled in F.Y. 2008-09 & 2009-10 is ratified.
	08-09	-	789.60m	789.60m	
	09-10	-	915.90m	915.90m	
		10,000m	8884.50m		

3.5.17 Payment under promotional funding.

MECL informed the house that they received payment for the bills raised up to February 2010. Total outstanding payment is in the tune of Rs. 14.70 crores as on 30th June 2010. MECL requested that timely release of payment by CMPDIL under promotional funding would be helpful in the smooth running of exploration programme. CMPDIL informed that payment against the bills received is released by CMPDIL on regular basis provided funds are available. **(Action: CMPDIL)**

3.6.0 Miscellaneous Discussion

In course of the discussion regarding CBM, Shri Adhikari, Arrow Energy limited requested that preliminary work on CBM appraisal might be taken up in Singrauli Coalfield. GSI informed that the proposal would be considered during future planning.

Replying to a query from Dr. Sarkar of ISM, Dhanbad, CMPDIL & GSI informed that aspects of 3-D modelling and application of statistical modelling are being conducted during Detailed Exploration Phase.

DMM, Govt. of West Bengal was requested to send their review material on coal exploration to the Committee. **(Action: DMM, Govt. of West Bengal)**

Dy. Director General, North Eastern Region, GSI gave a brief on the background for taking up a new item on exploration for coal in Langrin area, West Khasi Hills, Meghalaya on the basis of joint traverses with State DGM. After discussion, it was decided that an officer from GSI, NER would visit the office of Natural Energy Resources, Mission-IIB, Kolkata with relevant maps etc. in order to formulate a suitable work programme and the item would be carried out by GSI, NER. **(Action: Dy. D.G., NER, GSI)**

3.7.0 Concluding Remarks.

Summing up the discussion, the Convenor pointed out that along with the issue of forest clearance, the aspect of large diameter boreholes is required for regional exploration. He expressed his deep concern over the disturbing situation prevailing in parts of Talchir, Rajmahal-Birbhum and North Eastern Region rendering continuation of exploration work difficult. He hoped that DGH would take a proactive role in releasing the relinquished / already explored CBM blocks to National / State coal & lignite exploration agencies in public interest.

The Meeting ended with Vote of Thanks

LIST OF PARTICIPANTS ATTENDING THE 3RD MEETING OF THE CGPB COMMITTEE -V ON ENERGY MINERALS AND RESOURCES HELD ON 7TH JULY, 2010 AT BIRESHWAR LASKAR CONFERENCE ROOM, NATURAL ENERGY RESOURCES, M-IIB, GSI, KOLKATA.

1.	Shri B. K. Jena, DDG, NEnR, GSI	Convenor
2.	Shri D. Bhattacharya, Director, GSI.	Member Secretary
3.	Shri V.K.S Visen, HOD (Exploration), MECL	Member
4.	Shri Y.S. Babu Rao, General Manager (Exploration), SCCL	Member
5.	Shri J. N. Ray, DDG , NER, GSI.	Member
6.	Shri G. Dasgupta, Director, CGPB, GSI, New Delhi.	Member
7.	Shri M. S. Jairam, Director (Monitoring), CHQ, GSI	Member
8.	Shri E. Hanumanth Rao, DGM (Geology), NLC.	Member Representative
9.	Shri N. Ahmad, GM (Geological Services), CMPDIL	Member Representative
10.	Mrs. N. Choudhury, Scientist, CIMFR	Member Representative
11.	Shri Amitava Roy, Chief Geologist, DGH.	Member Representative
12.	Shri Arun Kumar, Geologist, DMG, Govt. of Jharkhand	Member Representative
13.	Shri YNRV Prasad, Dy. Director, DMG, A.P.	Member Representative
14.	Shri R. K. Tiwari., Dy. Director (Tech.), DGM, MP	Member Representative
15.	Shri K. Balsubramanian, Joint Director, DGM, Chennai	Member Representative
16.	Shri B.S. Acharya, Dy. Director, DGM, Chhattisgarh	Member Representative
17.	Shri R. K. Kar, Geologist, , Directorate of Geology, Orissa	Member Representative
18.	Shri R. S. Kalankar, Dy. Director, DGM, Maharashtra	Member Representative
19.	Shri Somnath Das, Sr. Geologist, DMM, West Bengal.	Member Representative
20.	Dr. S. Mohan Rao, Chief Geologist (C&A), Tata Steel.	Permanent Invitee
21.	Shri S. Adhikari, Country Manager, Arrow Energy Limited.	Permanent Invitee
22.	Prof. B. C. Sarkar, Head, Deptt. of Applied Geology, ISM	Permanent Invitee
23.	Mr. Brendan Howard, Manager, Business Development, Rio Tinto India.	Permanent Invitee
24.	Shri A. H. Choudhury, Chief Geologist, DGM, Assam	Special Invitee
25.	Shri T. Martmchen, DGM, Nagaland	Special Invitee
26.	Shri J. S. Savant, Manager (Geology), MECL	Invitee
27.	Shri A. Prasad, Manager (RES), DGH.	Invitee
28.	Shri R. K. Pandey, Geology, DMG, Govt. of Jharkhand	Invitee
29.	Dr. S. Mukherjee, Director, GSI	Invitee
30.	Shri R.N. Patra, Director, GSI.	Invitee
31.	Dr. S. K. Mukhopadhyay, Director, GSI.	Invitee
32.	Shri S. Balakrishnan, Director, GSI.	Invitee
33.	Shri N. Subramani,, Director, GSI	Invitee
34.	Shri S. Shivanna, Director, GSI.	Invitee
35.	Shri S. Ramakrishna Setty, Director, GSI	Invitee
36.	Shri B. B. Swain, Suptdg. Geologist, GSI	Invitee
37.	Shri Amitava Bandyopadhyay, Suptdg. Geologist,. GSI.	Invitee
38.	Shri S. Y. Katti, Suptdg. Geologist , GSI	Invitee
39.	Shri S. Chakraborty, Suptdg. Geologist, GSI	Invitee
40.	Shri S. P. Roy, Supdtg. Geologist, GSI,	Invitee
41.	Shri P.K. Parui, Senior Geologist, GSI	Invitee
42.	Shri B. S. Jodha, Senior Geologist, GSI	Invitee
43.	Shri S. Gupta, Senior Geologist, GSI.	Invitee