

**Minutes of the 2nd meeting of CGPB- Committee II Precious Metals and Minerals  
(Gold, Diamond, PGE and Precious Stones)**

The 2nd meeting of the Central Geological Programming Board (CGPB), Committee – II on Precious Metals and Minerals (Gold, Diamond, PGE and Precious Stones) was held on 29<sup>th</sup> December 2009 at the Khedker Conference Hall, Geological Survey of India, Southern Region, Hyderabad. Following Members of the Committee- II attended the Meeting:

|     |                               |   |                                 |
|-----|-------------------------------|---|---------------------------------|
| 1.  | Dr. H. Sarvothaman            | Member Secretary and<br>Director, TC Division - I | GSI, SR, Hyderabad              |
| 2.  | Shri. V.S. Rao                | Ex. Chairman /Director, FIMI                      | Hyderabad                       |
| 3.  | Shri. M.S. Jairam             | Director, Monitoring                              | GSI, CHQ, Kolkata               |
| 4.  | Shri. K.K. Nair               | Director, Mission – II                            | GSI, SR, Hyderabad              |
| 5.  | Shri. N.P. Nathan             | Director, Project: PGE                            | GSI, SR, Chennai                |
| 6.  | Shri. K.V.S. Reddy            | Director, TC, Division-II                         | GSI, SR, Hyderabad              |
| 7.  | Shri. R. Jaykumar             | Director, SU: K&G                                 | GSI, SR, Bangalore              |
| 8.  | Dr. C.R.M. Rao                | Director, Geochemistry                            | GSI, SR, Hyderabad              |
| 9.  | Shri. N. Devraj               | Director, Project: Gold, SU-A.P.                  | GSI, SR, Hyderabad              |
| 10. | Shri. M. Karunakar Reddy      | Director, Project: Gold                           | GSI, WR, Jaipur                 |
| 11. | Shri. Duraisamy               | Director, Project: Diamond                        | GSI, SU-A.P.                    |
| 12. | Shri. K. Sashidharan          | Director,   | GSI, CR, Nagpur                 |
| 13. | Shri. Y.B. Raval              | Dy. Director                                      | Comm. Geol.&<br>Mining, Gujarat |
| 14. | Shri. O.P. Dwivedi            | Dy. Director                                      | DGM, M.P.                       |
| 15. | Shri. Jayant Kumar Pashine    | Joint Director                                    | DGM, Chhattisgarh               |
| 16. | Shri. N. Sahu                 | Geologist   | DGM, Orissa                     |
| 17. | Dr. G. Madhukar               | Joint Director                                    | DGM, A.P., Hyd.                 |
| 18. | Shri. Ganesh Prasad Bhawsinka | Dy. Director                                      | DGM, Jharkhand                  |
| 19. | Shri. H.N. Kundu              | Dy. Director                                      | DGM, Jharkhand                  |
| 20. | Dr. Z.A. Khan                 | Director  | DGM, U.P.<br>Lucknow            |
| 21. | Miss. Sujatha Pattnaik        | Geologist   | RMML, Hospet                    |
| 22. | Shri. D.G. Madhusudhan        | Geologist   | RMML, Hospet                    |
| 23. | Shri. K.V.S. Sarma            | Senior Geologist, TC Divn.,                       | GSI, SR, Hyderabad              |
| 24. | Shri. K. Viswanatham          | Senior Geologist, TC Divn.,                       | GSI, SR, Hyderabad              |
| 25. | Dr. Roopkumar                 | Senior Geologist, TC Divn.,                       | GSI, SR, Hyderabad              |
| 26. | A. Ramakrishnaiah             | Senior Geologist, TC Divn.,                       | GSI, SR, Hyderabad              |
| 27. | Shri. V. Ramesh               | Junior Geologist, TC Divn.,                       | GSI, SR, Hyderabad              |

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- 1.1 Member Secretary set out objectives and agenda for the 2<sup>nd</sup> Meeting as follows:
- (i) to review the ongoing programmes and update the information,
  - (ii) to coordinate the exploration work of the Government of India, State DGMs and the private parties and
  - (iii) to discuss data filing by the concession holders engaged in the regional exploration.
- 2.1 Director (Monitoring), GSI, CHQ said that the Committee may recommend steps for future exploration activities. He requested the State DGMs to come out with suggestions which GSI needs to be taken up on its own or any joint programmes, and stressed importance of data filing.
- Action: All DGMs
- 3.1 Member Secretary presented the follow up action on the discussions of the 1<sup>st</sup> meeting of the CGPB Committee-II held in July 2009. This report is appended as an appendix
- 3.2 Since there was no progress in several matters / decisions taken in the 1<sup>st</sup> Meeting, the Member Secretary requested the members to take appropriate action as per the Minutes of 1<sup>st</sup> Meeting speedily. Director, Tamil Nadu State Unit, GSI was asked to get in touch with DMG, Tamil Nadu for the information. Director (Gold), Western Region to open a channel with DGM, Rajasthan to prepare plans for 3-year & 5-year programmes and requested to follow up the recent letter addressed to the HOD, Western Region. DGM, Jharkhand was requested to prepare for programmes on their own and in joint collaboration with GSI and put the proposals in the next year's SGPB meeting.
- Action: DGMs- Rajasthan, Jharkhand, TN, & GSI, WR & T.N.SU
- 3.3 Joint Director, DGM, Andhra Pradesh said that they are coming up with a website with RP details. Director (M), CHQ requested them to furnish the details of RP relinquished areas also in the website. Joint Director, DGM, A.P. assured to give information on RP areas including pending applications.
- Action: DGM, Andhra Pradesh.
- 4.1.1 Director (Gold), Karnataka & Goa State Unit, GSI informed that the results of gold are promising in Zones III & IV of Belaghatta block. In Ajjanahalli Block-C, the borehole drilling interval was rescheduled from 250 m. to 125 m on the basis of inter-departmental reviews. In Ajjanahalli Block-F, he recommended for further detailed studies in the coming year. In Manglur block of Gulbarga district, Large Scale Mapping and Detailed Mapping were taken up simultaneously.
- 4.1.2 Director (Gold), Andhra Pradesh State Unit presented the work carried out in (i) Gadwal schist belt, Mahabubnagar district, (ii) Ramagiri Penkacherla schist belt, Anantapur district, (P-II stage) and (iii) Ghanpur schist belt, Warangal district, (P-I stage).
- 4.1.3 Director (Gold), Western Region updated the information on gold-copper mineralization in Delwara West (Bhukia) Block and in Gundelapara NW Block, Banswara district, Rajasthan and investigation for gold and associated basemetal mineralization in Rajpura area, Udaipur district, Rajasthan.

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4.2.1 Director (Diamond), Andhra Pradesh State Unit presented the work carried out in search for kimberlites in Buthpur and Achampet block in Mahabubnagar district (P-I stage). No new kimberlite pipes were found in the area due to thick soil cover and suggested for heliborne surveys.

4.2.2 Director (Diamond), GSI, Central Region presented the work on diamond investigation in Bundelkhand area. No kimberlite indicator minerals were identified. Member Secretary suggested utilizing the facilities available at Wajrakarur kimberlite processing plant, Andhra Pradesh, if need be, for samples of Bundelkhand. He also requested him to take up 5-year plans for kimberlites in Bundelkhand area since the geological set up in the area is favourable for kimberlite pipes.

Action: GSI, CR, Nagpur

4.2.3 Ex-President, FIMI expressed that information / data should be shared mutually either freely or at a price. Improvements of beneficiation techniques and adoption of proper techniques / methods will improve ore reserve estimates.

4.2.4 Director (Monitoring), CHQ spelt out the recently decreased threshold values for different minerals and requested to come out with proposals in regard to feasibility studies. In response to a question from FIMI, on data dissemination policy of India, the Member Secretary said that GSI is putting its data on its portal, including the unpublished reports and maps.

4.2.5 Dy. Director, DGM, Gujarat informed that all the metadata of the investigations since 1963 and till date is on their website including general chemical analysis and mining reports. Member Secretary requested the State DGMs to hyperlink their respective websites with that of GSI in accordance with the decision taken in the 45<sup>th</sup> CGPB meeting. If NIC permits, DGM, Gujarat is ready to hyperlink their website with that of GSI and explained the concept of e-payment and e-royalty which they have been following in Gujarat to curb illegal mining.

Action: All DGMs

4.3.1 Director, Tamil Nadu State Unit updated the PGE information and said that the ongoing work in Sittampundi is to be extended by one more year to complete the investigation and assured to get support from State DGM.

4.3.2 Director (PGE), GSI, Central Region, Nagpur informed that investigations are on for PGE in Gondipipri area, Chandrapur district, Maharashtra. Member Secretary advised to prepare plans for inclusion of the same, in the base document without delay and advised the Director, CT, Andhra Pradesh State Unit to formulate proposals for investigation on PGE on the southern side of the Godavari river and submit the same to the CGPB Committee-II. There was a discussion on imposing a moratorium on exporting mafic and ultramafic rocks which are high Mg, high Ni and high Cr, and lower grade chromite ores which are favourable hosts for PGE. The role of IBM in this matter is considered important for imposing the moratorium on export.

Action: GSI, CT, A.P. SU; GSI, CR & IBM, Nagpur

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- 5.1.1 Joint Director, DGM, Uttar Pradesh detailed the investigations taken up by them for gold, diamond and PGE. The Director, TN SU, GSI opined that on the basis of the analytical values obtained from PGE investigation in Lalitpur, it can become a success, and requested to provide the minimum and maximum values of PGE obtained in that investigation instead average values.

Action DGM, UP

- 5.1.2 Director (M), CHQ requested DGM, Andhra Pradesh for formulation of joint programmes as GSI also has shortage of manpower.

Action: DGM, A.P.

- 7.1.1 Geologist from M/s. Ramgad Metals & Minerals Ltd., presented the work carried out in Gadag Schist Belt. They are planning to explore the mineral by open cast mining in South Kabialpatty block. Member Secretary requested RMML to provide information as agreed to in the 1<sup>st</sup> meeting.

Action: RMML, Hospet

- 7.1.2 Director (Monitoring), CHQ suggested Western Region to utilize the facility available in PPOD Lab, AMSE, Bangalore for analyzing bulk samples.

Action: GSI, WR, Jaipur

- 7.1.3 Joint Director, DGM, Madhya Pradesh said that they have submitted proposals for investigation of PGE, gold, diamond etc. for the XI Plan. DGM, M.P. was requested to get in touch with GSI Bhopal office and plan for taking up joint field investigations. Member Secretary asked them to look into high Mg and high Cr areas in Deccan Traps which are favourable loci for PGE mineralisation. Director, CR was asked to convey the decision of the Committee to make a dossier on high Mg basalt in Deccan Trap.

Action: DGM, MP & GSI, CR, Nagpur

- 8.1.1 Member Secretary in his concluding remarks emphasized the importance of preparing a dossier on mafic and ultramafic complexes. All the members were advised to prepare and submit 3-year and 5-year rolling plans for planning future investigations. All DGMs were requested to create database including RP / PL without which it is difficult to chalk out future plans in new areas. It is said that UNFC classification, lowering of the threshold value, resource / reserve ratio need to be immediately looked into.

- 8.1.2 All those items not attended to by the Members (as shown in Appendix) should be attended to immediately. (for e.g. furnishing of reports)

Action: Rio Tinto, De Beers, Geomysore, Hutti Gold Mines, RMML, & All DGMs