

**MINUTES OF THE 2ND MEETING OF CGPB GROUP- IV
COMMITTEE ON INDUSTRIAL AND FERTILIZER MINERALS
HELD AT GSI, CR, NAGPUR**

The 2nd meeting of the CGPB Group IV on Industrial and Fertilizer minerals was held at GSI, CR Nagpur on 7.12.09 .Shri. A K. Mishra Director GSI Raipur chaired the meeting. Shri M Mohan Director CGPB and Member secretary Group IV welcomed all the members. In his inaugural address Shri Mishra stated that the Additional secretary Dept of Mines has requested to prepare a base document on Gr IV minerals. The draft document on Fertilizer minerals was prepared and suggestions were invited from the members. He also requested the members to submit the 5-year rolling plan if not submitted. He further requested the members of State DGM'S to conduct SGPB meetings before the scheduled CGPB to be held in February 2010.

The following members were present in the meeting.

1. Shri A.K. Mishra, Director, GSI, CR, Raipur ,
2. Shri. M.Mohan, Director and Member Secretary CGPB Secretariat, GSI CR, Nagpur
3. Shri. Varinder Gupta, Under secretary, Dept Of Fertilizer, New Delhi
4. Shri. G.Das Gupta, Director, CGPB Secretariat, GSI, New Delhi.
5. Shri. Syed Abrar, Geologist.DGM, Karnataka, Bangalore
6. Shri. S.K. Sinha, Dy Director Geology, DGM, Jharkhand
7. Shri. Lalit Kumar, Geologist, DGM, Jharkhand
8. Shri. Shekhar F. Chahande, Dy. Director DGM, Maharashtra
9. Shri B.P.Raturi, Manager (Geology), MECL, Nagpur
10. Shri. M.S. Rao, D.O.D.O, IBM, Nagpur.
11. Shri K. Subramanian, Dy. Director, DGM Tamilnadu, Chennai.
12. Shri N.K. Chandrakar, Dy. Director, DGM, Chattisgarh, Raipur.
13. Shri Abdul Majid Mir, Geologist, DGM, Jammu and Kashmir.
14. Shri T. Panda, Joint Director, DGM, Orissa.
15. Shri Debasish Roy, Director ,ER, GSI Kolkata
16. Shri D.M. Mohabey, Director C(T) CR, GSI, Nagpur

17. Shri K.Sashidharan, Director, OP Maharashtra, GSI, Nagpur.
18. Shri. V. Srinivasan, Director, GSI, Bhopal.
19. Shir Rajendra Sharma, Director, WR, GSI, Jaipur.
20. Shri P. Tarafdar, Geologist (Sr), CHQ Kolkata.
21. Shri P.K.Raut, Geologist (Sr), GSI, CR, Nagpur.
22. Shri K.C. Mahapatra, Geologist (Sr.), GSI, OPM,, Nagpur.
23. Shri N.V.Nitaware, Geologist (Sr.), GSI,OPM, Nagpur.

2.1.0. After the introduction by individual members the follow-up action of the first meeting was discussed.

2.1.1. Regarding beneficiation of $<10\%P_2O_5$ of RSMC representative from IBM informed that sofar the samples have not been submitted by RSMC. **Action: RSMC**

2.1.2. Regarding items on Dimensional stones to be taken up by DGM Karnataka Member secretary suggested discussion with Dy. DG Op Karnataka & Goa regarding collaborative programmes. **Action: OP K&G and DGM Karnataka**

2.1.3. Regarding joint programmes with OP AP, GSI and DGM AP, due to non participation by the concerned members action taken was not known. **Action: OP AP and DGM AP**

2.1.4. Regarding training programmes for young geologists in phosphate investigation as the Member from Marine wing did not attend the action taken was not known. **Action: Director, Op Marine Wing**

2.1.5. Regarding beneficiation of apatite samples from GSI, ER IBM representative informed that the samples have not been received. Shri D Roy Director Economic Geology ER informed that as the apatite ore is not cropping out, collection of samples have become difficult. Samples will be generated from drill cores and submitted for beneficiation shortly. IBM member added that they can treat sample weighing $<25\text{kg}$ also. **Action: GSI Op West Bengal**

2.1.6. DGM Chhattisgarh informed that a plan of action for investigation for limestone for 2009 - 10 has been prepared and similar one for other commodities will also be prepared. Shri Dasgupta Director CGPB, New Delhi told that concrete

suggestions should be sent to GSI before the next CGPB meeting scheduled for Feb 2010. He added that CGPB Group IV is has an important role in locating Fertilizer mineral deposits in the country to save huge foreign exchange for meeting the domestic demand. Hence joint programmes with DGMs are necessary

2.2.0 Review of Work.

2.2.1. Shri. Lalit, Dy Director, **DGM Jharkhand** presented the review of work done which included 2 programmes on limestone, soapstone, quartz and quartzite in East& west Singhbhum and Sariaikela-Kharsawa districts. He mentioned that subcement to cement grade limestone reserves of 17.97m tonnes have been estimated in Sudi Armadag block. Regarding work on flux grade ultramafics rocks he informed that 201 samples have been collected from Saraikela. He told that a 5-year programme for 2007-12 has been prepared. On dossier on Industrial minerals he informed that a dossier on limestone is under preparation and similar ones for other commodities will be also completed.

To a query on whether TISCO (who is the user agency and does investigations for flux grade ultramafics) can be made a member of the committee IV, Chairman informed that TISCO could request the convenor, CGPB Gr IV.

2.2.2. DGM J&K: Shri.Abdul Majid Mir, presented the review of work in J&K. The various commodities on which investigations are done are gypsum, limestone and quartzite. He informed that upto 100 m tonnes of reserves are in the valley and 0.6 m tonnes in Jammu region. 14 leases for mining of gypsum and 40 leases for mining of limestone have been granted. He informed that 6000 m tonnes of limestone deposits are available in the valley and 3000 tonnes of cement is being manufactured. He also mentioned about clay and quartzite deposits of J&K.

To a question on joint work with GSI he informed that they require GSI help in limestone and dimension stone investigations. **Action: DGM J&K**

2.2.3. DGM Maharashtra: Shri.S.F.Chahande presented the review of DGM, Maharashtra. Five year rolling plan for pyrophyllite, sillimanite are prepared and submitted. He informed about the progress of drilling in Khatgaon- Walni area Tahsil Sindewahi, Chandrapur district. He also informed the house that the SGPB of Govt of Maharashtra is scheduled for 16.1.2010.

2.2.4. DGM Tamilnadu: Shri K.Subramanian, Dy. Director presented the review and informed that at present no investigations are undertaken for Industrial and Fertiliser minerals. He briefed the activity of DGM TN in terms of granting of leases for Industrial minerals in the state. He explained that as the potential areas have been leased out no area is left for exploration including for beach sand..

2.2.5. DGM Karnataka: No work on Industrial and Fertiliser minerals was carried out during the period.

2.2.6.DGM Orissa, Shri T Panda Dy. Director presented the review. He gave a detailed account of work done in the six investigation blocks for beach sand on the 480km long Orissa Coast. The reserves established and the mineral content of each block was also indicated. He informed that systematic Heavy Mineral study of the entire Orissa coast would be taken up.

2.2.7. GSI WR: Shri R. Sharma,Director. Presented the review of work done on Kuzilash limestone by Orissa Rajasthan.

2.2.8. MECL: ShriB.P.Raturi,Manager presented the review of work done by MECL, which included detailed investigation for quartzite (glass sand) in Jajuri block. Fertilizer minerals (Phosphorite) in Dhol- ki- Pati in Udaipur. He added that by beneficiation the quartzite can be upgraded to 98.9% SiO₂ suitable for glass making.

2.2.9. Shri Virendar Gupta under Secretary Ministry of Fertilizer gave a brief account of activities of the ministry for augmenting the reserves of Fertilizer minerals. He commented that the ministry held 3 meeting with GSI, DGM MP and Rajasthan for exploration of rock phosphate.

Shri Dasgupta suggested preparing a document showing actual scenario of including low-grade phosphate. **Action: Member Secretary**

2.2.10 GSI ER. Shri D Roy Director presented the review of the work done for resource evaluation of apatite and associated minerals in Cholwari and adjoining areas of Purulia dt west Bengal.

2.2.11. DGM Karnataka: Dr Syed Abrar Sr Geologist, presented review of the work done by the office. Presently investigations for limestone, refractory minerals, steatite is being carried out.

2.2.12. GSI CR Op MP: Shri R Srinivasan Director presented the review of the work done. Only one item was taken up at Bhopal for reappraisal of existing phosphorite deposit with objective of locating new deposits in parts of Jhabua using remote sensing techniques.

2.2.13. GSI CR, Raipur: Shri A K Mishra Director presented the review. He explained that out of 238 samples 56 samples of Charnuria limestone shows 4-5 % P₂O₅. Some clay bands show P₂O₅ in the range of 18-19%.

2.3 Discussion on Base Document. The Member secretary briefed the house on the content of the **Base Document** on Industrial and Fertiliser minerals and wanted a detailed discussion on the document.

2.3.1) Shri Tarafdar CHQ GSI requested all DGMs to provide potential areas for phosphorite and potash investigation in their state showing how much areas have been investigated so far. He explained that such details would be of immense use in the preparation of the document

2.3.2. Shri R. Sharma WR informed that DID on these commodities have been prepared by WR sometime back. By adding DGM data to the DID, this can be updated.

2.3.3. Shri A K Mishra requested all agencies involved to take responsibility for collection of available data, current status and recommend strategies for exploration with a geological map. Action: **All DGMs, GSI Regions.**

2.3.4. DGM Chhattisgarh assured that after discussions with Director DGM the necessary data can be furnished.

2.35. On the query of environmental clearance for any of the Gr IV items in their respective areas, the members said that no items requires any such clearance.

2.4.0 Discussion on Other Items:

2.4.0 Regarding payment of TA/DA to DGM members for attending CGPB meetings it was informed that the matter is yet to be cleared by the ministry.

2.4.1. Shri Dasgupta informed that 46th CGPB is scheduled for 5th and 6th of February 2010 at New Delhi. He requested all concerned members to submit agenda notes by December end.

Action : All DGMs and GSI

Major decisions taken in the meeting:

a) The member, Deptt of fertilizer has assured to provide data on Status on fertilizer industry/minerals, requirement and specification of mineral based fertilizers.

b) Alongwith the minutes of the 2nd meeting, a questionnaire will be sent to members and invitees to furnish details on fertilizer mineral resource in their domain.

c) **Baseline Document** to be enriched after receiving comments from the members and invitees.

2.5.0 Vote of Thanks: Shri Lalit Dy Director DGM Jharkhand proposed the vote of Thanks.