

PERFORMANCE OF 11TH FIVE YEAR PLAN (2007-2012, up to February, 2012) BY THE GEOLOGICAL PROSPECTING BRANCH

Sl. No.	Project/Item	Achievement/Status
1.	Investigation for Kyanite and associated minerals in Salboni-Ichhdih area of Balarampur P.S., District Purulia	Interim report submitted which is not encouraging. UNFC codification not done as it is just an occurrence.
2.	Blackstone in Purulia district including search for new deposit	Map in mouza sheet and reserve estimation for two deposits. i) Kadampur, P.S. Barabazar, district purulia: 5.49 million tonnes reserve (up to 20 m depth)/G4 ii) Kankarkiari, P.S. Santuri in Purulia district: 1.0 million tonnes reserve (up to 20 m depth)/G4
3.a)	Quartz deposit of Berada area, P.S. barabazar, Dist. Purulia	Report is submitted. Strike length -140m, avg. width - 30m. Quartz veins occur within the mica-schist. SiO ₂ > 99%; Fe ₂ O ₃ approx 0.5%, reserve 153,000 tonnes (up to 20m depth)/G4
3.b)	Prospecting for Quartz deposit In Janipur mouza, P.S. boro, Dist. Purulia and search for new deposit of Quartz/Feldspar of Purulia district	Project is complete and report is submitted. Strike length -80m, width -50m.. Quartz veins occur within the mica-schist & phyllite. SiO ₂ >99%; Fe ₂ O ₃ approx 0.5%, reserve 1.46 million tonnes (up to 20 m depth)/G4
4.	Pyrophyllite of Jinamonipur, P.S. Kashipur, Dist. Purulia	Project is complete and report is under review.
5.	Gold/Sulphide around Kadampur, P.S. Barabazar, Dist. Purulia	Programme is temporarily dropped.
6.	Glass sand deposit at kaliasota-Mahisnadi area, P.S. Neturia, Dist. Purulia	
7.	Databank	Compiled reports in hard copy submitted on i) Khariduaara China Clay (poorly plastic, beneficiation and application of masking glaze required, reserve 0.136 m. tonnes upto 49 m depth /G3) ii)Khariduaara Bloating Clay (estimated reserve 0.25 million tonnes up to 49m depth / G3, end use not determined) Report on Apatite in Panrkidih area, Purulia district has been converted in soft copy. Metadata on Limestone deposits in Purulia district has been submitted.
8.	Test drilling and trenching for calibration of geophysical anomalies with mineralization values of quartz veins Chatradanga-Ratanpur area of Ranibandh P.S., Dist. Bankura	Work could not be undertaken due to adverse law and order situation in the area. Programme istemporarily dropped.
9.	Geological exploration for estimation of reserve of clay deposits in Onda, Taldangra, Beliatore, Sonamukhi and Bankura II of Bankura district and Md. Bazar of Birbhum district	Interim report for FS 2009-10 submitted. Work still continuing.
10.	Evaluation of occurrence magnetite along with possible association of other valuable elements in Saltora and Mezia Blocks of Bankura district.	Interim report shows no encouraging result, programme is dropped, final report under preparation.
11.	Study on the favourable structural locales for mineralization in parts of Darjeeling district	Interim report on seven locales is submitted, no significant economic mineralization has been observed, programme dropped for time being.
12.	Coal of Gondwana near Darjeeling district	Proximate analysis and swelling index for eight selected samples are not encouraging, programme is dropped for time being.
13.	GPS Survey for data collection and entry for mineral resources of Purulia district to develop database for geoinformatics	Data on Limestone deposits in Purulia district is submitted. Work is continuing.
14.	Detailed exploration of Apatite around Kutni, P.S. Manbazar, Dist. Purulia	Interim report is submitted, drilling is recommended in selected points.
15.	Investigation of Talc-Steatite of Gok-Karmi area, P.S. pulbazar, Dist. Darjeeling (joint investigation programme of GSI, ER and DMM, WB)	Final report is under preparation at GSI.
16.	Detailed exploration of Apatite around Chirugora, P.S. Boro, Dist. Purulia	Work is in progress.
17.	Investigation of Quartz deposits including estimation of reserve in parts of Bankura district	Work is in progress.
18.	Investigation for Talk-Steatite around Lapcha Basti and Singla (extention area of Gok-Karmi) of Darjeeling district, West Bengal – a collaborative programme of GSI, ER and DMM,WB	Interim report is under preparation.
19.	Detailed geotechnical investigation of 13.25 km. slide on Algara-Pedong Road, Darjeeling district, West Bengal - a collaborative programme of GSI, ER and DMM,WB	Interim report is under preparation.
20.	Test drilling for converting probable reserve estimated by GSI to proved one through detailed drilling operation for three consecutive years around Kutni, P.S Boro, Dist. Purulia and categorizing the resource following the UNFC guide lines	Work is in progress.

FINANCIAL REVIEW OF 11th PLAN PERIOD

I. NON PLAN

Head of A/C: 2853-02-Regulation & Development of Mines

- i) 001-Direction & Administration
- ii) 102-Mineral Exploration

Financial Year	Budget Estimate	Allocation Received	Expenditure Incurred
2011-2012	4,83,43,000	4,78,94,590 (up to December 2011)	3,23,80,154 (up to December 2011)
2010-2011	4,15,05,000	4,13,32,150	3,94,19,131
2009-2010	3,78,60,000	3,65,07,800	3,63,91,088
2008-2009	2,77,75,000	2,93,84,150	2,24,06,383
2007-2008	2,48,98,000	2,46,77,357	2,26,99,333
2006-2007	2,32,61,000	2,32,61,000	2,18,71,268

II. STATE PLAN

Head of A/C : 2853-02-Regulation & Development of Mines-102-Mineral Exploration

Financial Year	Budget Estimate	Allocation Received	Expenditure Incurred
2011-2012	1,73,89,000	95,17,371 (Up to December,2011)	16,58,547 (Up to December,2011)
2010-2011	1,47,93,000	97,60,211	29,72,935
2009-2010	39,63,000	10,38,850	4,64,929
2008-2009	1,29,96,000	22,82,388	15,43,030
2007-2008	65,47,000	16,14,822	12,09,962
2006-2007	84,18,000	84,18,000	17,43,492

IMPORTANT ACTIVITIES/ACHIEVEMENTS DURING 11TH FIVE YEAR PLAN BY THE DIRECTORATE

1.	Mineral Inventory of West Bengal	First phase of Mineral Inventory of the State based on database generated by DMM, WB has been finalized.
2.	Capacity building of the Directorate	The officials of DMM attended training course on computer at the ATI, Kolkata. Some technical personnel has undergone training and workshop on UNFC at GSI Training Institute. The Draughtsmen are trained in digitization and data entry at GSITI. The Geologists attended trainings on various technical and geological courses at GSITI
3.	Geoinformatics	The geological maps generated by DMM have been sorted out for the purpose of digitization through outsourcing. List of ML maps along with components for digitization has been prepared. Database following UNFC guidelines are being prepared.
4.	Societal works	G.P. Branch, Purulia has organized classes to teach lessons on geology and for laboratory studies to the students of different colleges on request.