

Major Achievements of the Geological wing for the year 2011-12

S. No.	Nature of work	Targets Fixed	Targets Achieved
1	Reconnaissance Mapping (Scale 1:12500)	210 Sq. Km	190 Sq. Km.
2	Detailed Mapping (1:1000)	7, 25,000 sq. mtrs	7, 25,000 Sq. mtrs.
3	Channel Samples	500 Nos.	500 Nos.
4	Bed Rock Samples	210 Nos.	140 Nos.
5	Block Samples	90 Nos.	90 Nos.
6	Petrological samples	25 Nos.	25 Nos.
7	Stream Sediment Samples	65 Nos.	25 Nos.
8	Water Samples	25 Nos.	25 Nos.
9	Pitting & Trenching	485 m ³	465 m ³
10	Bore Hole Logging	-----	1450 feet.
11	Bore Holes Pinpointed	-----	27 Nos.
12	Samples Analysed	-----	435 Nos.

Field program for 2012-13 in Jammu province

Mineral Exploration:

- 1 Gypsum investigation at Sildar area, District Ramban.
- 2 Quartzite investigation in Bunzwar area of District Kishtwar.
- 3 Mahogala coal field west of Niari Tawi, Tehsil Kalakot, District Rajouri.
- 4 Limestone investigation at Khablan, Tehsil Thanamandi, District Rajouri.
- 5 Granite investigation at Marmat area, Northern part, Tehsil and District Doda.
- 6 Search of semi-precious stones (Tourmaline & Garnet) other than Sapphire in Tehsil Padder, District Kishtwar.

Engineering Geology:

- 1 Geotechnical studies of Mughal Road from Dogrian village to Pir Ki Gali in district Poonch.

Groundwater exploration:

- 1 Groundwater investigation in Nachar-Nalah water shed, Tehsil Batote, district Ramban.
- 2 Groundwater investigation from Sukhetar to Nagrota in Dansal Block of Jammu district.

Referred Assignments Jammu Province

S.No.	Name of work	Requisitioning/ Intending Agency	Status
2009			
1.	Preliminary geological report on occurrences of landslide along NH IB Batote to Pull Doda in J&K.	DDC Doda	Report submitted
2.	Damaged Houses at Village Marikhui, Uttarbani, Tehsil & District Samba, 3, 2009.	Hon'ble Ind. & Com. Minister	Report submitted
3.	Feasibility of groundwater at Dandesar, Tehsil Nowshera, District Rajouri.	Hon'ble Dy. CM	Report Submitted
2010			
1.	Geotechnical studies at village Dharma, Tehsil Gool, and District Ramban.	Instruction from Govt.	Report Submitted
2.	Geotechnical studies of Mughal Road from Buffliaz to Peer Ki Gali, Distt. Poonch.		
3.	Feasibility regarding construction of Mini Tube Well (10 mm dia) in village Kanah Padder, Tehsil Ramnagar, District Udhampur.	Asstt. Director Fisheries Deptt; Udhampur.	Report Submitted
4.	Feasibility regarding groundwater at Khanna Chad gal, Tehsil & District Jammu.	OSD Hon'ble Dy. CM	
5.	Feasibility of installation of water Pump at Palli Camp.	Hon'ble Deputy CM	
6.	Feasibility regarding construction of tube well at Mora Marai Tehsil & District Samba		
7.	Feasibility regarding construction of Khul/Khool in Bhandar area of Bani, District Kathua.	Irrigation Division Kathua	
2011			
1.	Site inspection for construction of Bridge on Chiril Nala, Jandrili-Bhiker Road in Basohli Block, District Kathua.	PMGSY Division Kathua	Report submitted
2.	Geotechnical feasibility note on the construction of tube well in Sanglani area, Tehsil Akhnoor, District Jammu.	GM J&K Housing Board	Report submitted

3.	Alignment of Road at Sarthal, distt.; Kishtwar.	PMGSY Kishtwar	
4.	Extraction of stone in KM 12 of BKNHIB road bearing Khasra No. 199 and 200 min of village Karmail, Tehsil & District Doda.	District Adm. Doda.	
5.	Utilization of Muck disposed of in Baghliar project-assessment of the material/mineral thereof 7, 2011		
6.	Revival of 2 defunct Bore well at Industrial Complex Bari Brahmna	Managing Director SIDCO	Report submitted
7.	PMGSY Road from Rajdhani to Dhar Saroola, Block Majakote, District Rajouri- Soil Classification	PMGSY Div. Rajouri Jammu	Report Submitted
8.	Technical feasibility for construction of Dug wells in Jagti village, Nagrota, Jammu.	Secretary ASHI (J&K)	Report submitted
9.	Technical feasibility for construction of water bore by farmers and Dug Wells in Jagti, Jammu	Addl. Secy. to Hon'ble Dy CM	
10.	Geotechnical feasibility for construction of pump house building in Mandla village, Tehsil Basohli, District Kathua.	Executive Engineer Irrigation. Division Kathua	
11.	Geotechnical feasibility for the construction of Road from Agral to Karool phase-V & Karool to Badhat Phase-VII under PMGSY.	PMGSY Div. Kishtwar.	
12.	GW Survey in Langer area of Tehsil, Nowshera, District Rajouri.		
13.	Digging of Bore Well at Samba Nursery, District Samba.	Divisional Forest Officer Samba	
14.	Technical feasibility of Groundwater at Meen Sarkar, Saba	PVT. Party	
15.	Approval of realignment of road from kms 87.6 to 90.125 between Drabshalla to Kandni due to submergence of NH-IB by the creation of reservoir for 690 MW Rattle Hydro Elec. project		Report submitted
2012			
1.	Geological note on oozing/emission of smoke at village Chill and Samiti area of District Doda, J&K.		Report submitted

2.	Geotechnical studies for Widening and strengthening of Ramnagar Road and Chenani Sudhmahadev Mantalai Road which is sinking of a stretch of about 30 m at mile stone 18 Km.	Project Manager ERA Jammu	Report submitted.
3.	Studies of adverse effects of Ranjit Sagar Dam impounded around Sabar Village, Tehsil Basohli, District Kathua on partially damaged houses and land at village Sabar, Tehsil Basohli, Distt. Kathua.	DC Kathua	Report Submitted
4.	“Note on Developments of Tourism in Trikuta Range Hills” & effects of Magnesite Mining in Panthal, Katra, Distt. Udhampur.		Report Submitted
5.	Assessment of loss occurred during rains in Ongaie village at Padder, Distt. Kishtwar.	DDC Kishtwar.	
6.	Geotechnical studies of Kainth Gali Batote Road km 26 th to Upper Basnote, Distt. Udhampur.	PMGSY Div. Reasi.	Under Inv.
7.	Geological Investigation of particular spot on road Chandimarh to Dogrian Block Surankote, District Poonch, package No. JK II-44, Phase VI.	PMGSY Poonch	Report submitted
8.	NOC for the Establishment of 37.5 MW Parnai HEP located in District Poonch.	PDCO Ltd/PDD	Report submitted
9.	Geological Report on “Sinking of Village Ungai, Tehsil Padder, District Kishtwar.	ADC Kishtwar	Report submitted
10.	Spot inspection note on the Landslide effected houses at Tringla, Tehsil Batote, Distt. Ramban.	PVT party	
11.	Factual Report in relation to the sinking of land in Hemlet Bharitha, Ungai, Teh.Padder, Kishtwar	Addl. D.C.Kishtwar	

Number of works proposed and finally implemented during 2011-12

1. Limestone Investigation at Draba, Buffliaz area, District Poonch.
2. Granite investigation at Marmat area, Tehsil & District Doda.
3. Mahogla Coal field west of Niari Tawi, Tehsil-Kalakote, District Rajouri.
4. Extensive Search for Iron Ore occurrences in Thanala, Tehsil Bhaderwah, District Doda.
5. Extensive Search for Gold occurrences in placer deposits in Nathal area of Tehsil Akhnoor, District Jammu.

ENGINEERING GEOLOGY

9. Landslide studies/preparation of geological sections along NH-IB from Pull Doda towards Kishtwar.
10. Geotechnical Studies of Buffliaz to Pir-Ki-Gali Road in District Poonch.

GROUNDWATER EXPLORATION

11. Groundwater exploration studies in the northwestern part of Chenani, District Udhampur.
12. Groundwater exploration studies in the Dansal block of Jammu District.

Achievements

Production well is constructed on requisition from PHE Department at village Sumwan, Tehsil and District, Kathua.

Achievements for the Last three years of Kashmir and Laddakh province.

2009-10

Referred and Linked items:

- 01 Report on Technical Guidance to Mughal Road Project, Shopian in respect of classification table of rock strata excavated and its core relation with in situ rock.
02. Report submitted to DDC. Kupwara, regarding Land subsidence Zone Reshi Kupwara with remedial measures.
03. Geological Report submitted to DDC, Budgam regarding the development of cracks in dwelling of Chana Molalla Letapora, Nowgam, and Srinagar.
04. Report submitted on development of cracks of Salru, Bijbehara District Anantnag.
05. Report submitted on development of cracks at Friends Enclave, Humahama.

2010-11

Referred and linked items:

01. Geotechnical studies at Kondbal Mansbal District Ganderbal with submission of report to District Administration.
02. Geotechnical studies at Sambur Tehsil Pampore District Pulwama with submission of report to District Administration.
03. Geotechnical studies at village Panzgam Kokernag with submission of report.
- 04 Geotechnical studies at Mohalla Wanpora village Koil District Pulwama with submission of report to District Administration.
05. Geotechnical studies of mass wasting/land subsidence at village Khohmoh Tehsil Rohama, District Baramulla.

2011-12

Referred and linked items:

01. Interim Reprt on Mass Wasting/Land subsidence at village Khomoh Tehsil Rohama, District Baramulla.
02. Geological Report on the Lanslide/Land slips at Hajibal Village (Poshbagh), District Baramulla.
03. Geological Report for determine the cause of cracks developed in the existing residential building at Chnadpora Gojwara, Srinagar.
04. Report on occurrence of cracks in the Residential houses at Mumkhan Mohalla, Rainwari, and District Srinagar.
05. Report on occurrence of cracks in the Residential houses at Hasanabad Rainwari, Srinagar.
06. Interim Geological Report on mass wasting at village Muran Tangwari, Baramulla.
07. Interim Geological Report on Arzan Garzan Dam site at Chararie-Sharief and Malpora Water Storage Scheme at Malpora, District Budgam.
08. Report on incidence of land subsidence at Chanpora Mohalla Soura, District Srinagar.
09. Geological report on the feasibility of the area, proposed for "Trade Facilitation Centre" at Salamabad, Uri, District Baramulla.
10. Development of lineament at Rang Doori Ridge village Galkaroo Garoora, District Bandipora.
11. Site visit report of the village Gund Zonireshi, District Kupwara.
12. Site visit for installation of LPG Plant situated at Centaur Lake view Hotel Srinagar.
13. Land Subsidence/Sliding at Rangwar Chowkibal, District Kupwara.
14. "Geological Report on the occurrence of cracks developed in the Court Yard and Boundary Walls of the Holy Shrine of Hazarat Saki Zain-ud Din Wali" at Aishmuqam, District Anantnag.

Geological field investigation taken up during the year 2011-12

S.No.	Name of the Investigation	Remarks:
1.	Investigation of Limestone deposits at Shahabad, Dooru, District Anantnag	
2.	Investigation of Limestone deposits in Khrew, District Pulwama.	
3.	Investigation of Limestone at Guzriyal, District, Kupwara.	
4.	Investigation of Gypsum deposits at Bagna area, Uri, District Baramulla.	
5.	Investigation on Geological studies of iron ore in Sopore, District Baramulla.	
6.	Investigation of Granite deposits at Khalsti, District Leh.	
7.	Investigation of Granite deposits at Kargil, District Kargil.	
8.	Investigation of Lead-Zinc deposits in Buniyar, District Baramulla (a collaborative programme with GSI)	
9.	Geotechnical studies and Landslide Zonation mapping of Mughal Road (Shopian to Peer Ki Gali)	
10.	Systematic Micro level Hydro Geological studies of Chandura, District Budgam.	
11.	Geological Investigation to explore the possibility of Gem-stones in District Kupwara.	
12.	Investigation of placer Gold at Drass/Thusgam and its adjoining areas of District kargil.	

Supplementary information:

I. Establishment of Seismic Observatories:

The recent earthquake of Kashmir valley which adversely hit North Western Parts of Kashmir has been a challenge to whole geological fraternity which necessitated establishment of Seismic observatory in various parts of the valley to monitor the internal earth movements. Two such seismic observatory are under construction, one each at Tangdar, Kashmir and Rajouri, Jammu and others are coming up at other feasible locations in collaboration with Department of Geology , Jammu University.

II. Collaboration with Geological Survey of India:

The Department is in a memorandum of understanding to take certain prestigious and emerging Geological Investigation in collaboration with Geological Survey of India (GSI). In first instance Lead-Zinc Exploration Project in Bhunyar, District Baramulla has been taken up for field seasons 2011-12 and 2012-13.

III. Conference/Workshops:

- i) Directorate of Geology and Mining in collaboration with Department of Geology, University of Jammu organized 2-days workshop on Gemstones. Their Gemology & Geology (February 21-22, 2011)
- ii) The Department in collaboration with Indian geological congress, Kashmir University and Jammu University conducted 2-days workshop on October 8, 2005 Earthquake and After (March 22-23, 2008)
- iii) Two day International Conference on geology and Hydrocarbon Potential of the Neo-Proterozoic-Cambrian Basins in India, Pakistan and Middle East” was organized by the Department in Collaboration with Department of Geology, Jammu University, Jammu February 20-21, 2008.

IV. Paper Presentations:

- i Dr. Raj Kumar & Dr. Rajinder Singh presented a paper on Geotechnical studies of the Hot Water Spring in Tatapani, Tehsil Kalakot, Rajouri District (J&K State) in Workshop on Roof Top Rain Water Harvesting and Spring Recharge Organized by CGWB, Jammu February, 2010.
- ii Dr. Raj Kumar & Dr. Rajinder Singh presented a paper on “The impact of Oct. 8, 2005 Earthquake on “Hot Water Springs” at Tatapani, District Rajouri, J&K in a workshop on October 8, 2005 Earthquake and After, in University of Jammu, Jammu, March 22-23, 2008.
- iii A.M. Mir presented paper on “Sapphire Extraction from Kashmir Sapphire Mines of Padder” in a workshop on Gemstones: Their Gemology & Geology, Jammu University, and Jammu Feb. 21-22, 2011.
- iv J.S. Jamwal, R.S. Rana, S. Kumar presented paper on “Occurrence and Behavior of Sapphire Bearing Rocks at Sumcham, Tehsil Padder, District Kishtwar, J&K State” in a workshop on Gemstones: Their Gemology & Geology, Jammu University, Jammu Feb. 21-22,2011.
- v Nisar Ahmed and M Yaseen Bhat presented paper on “Borax Deposits for Energy and Industrial uses in Pugga Valley Ladakh” in International Conference on Geothermal and other Energy Resources of Ladakh, Technological and Business Viability, Leh Ladakh, July 05-06, 2010.
- vi Dr. Gh. Ud Din Bhat presented paper on “Ground Water Investigation in parts of Refiabab and Handwara Tehsil of Baramulla and Kupwara Districts of Kashmir Division” in an international conference held at Jammu University, Jammu, and March 2-3, 2009.
- vii Khurshid Ah. Mir presented paper on “Historical Landslides in Kashmir Basin NW Himalayas: Using the past to prepare for the future” in a workshop on October 8, 2005 Earthquake and After, Jammu, March 22-23, 2008.

- viii H.L. Langeh & R. Singh presented paper on “Stability of Slope after earthquake of 8th October, 2005 at village Kukandraun, Tehsil Padder, District Kishtwar, J&K” in a workshop on October 8, 2005 Earthquake and After Jammu March 22-23, 2008.
- ix H.L. Langeh & R. Singh presented Poster presentation during Two days International Conference on geology and Hydrocarbon Potential of the Neo-Proterozoic-Cambrian Basins in India, Pakistan and Middle East” was organized by the Department in Collaboration with Department of Geology, Jammu University, and Jammu February 20-21, 2008.

**UNIT WISE DRILLING PROGRESS W.E.F. APRIL 2012 TO NOVEMBER-2012
(JAMMU)**

S.No.	Unit	Location	Investigation	Drilling Progress.
1.	J-17	Moghla Distt; Rajouri	Mineral Investigation	43.59 mtrs
2.	J-19	Langer Nowshera Distt; Rajouri	Ground Water Exploration	91.46 mtrs
3.	J-20	Jangalgali Distt; Udhampur	Ground Water Exploration	26.22mtrs.
4.	J-20	Dogra Kud Distt; Udhampur	Ground water Exploration	92.07 mtrs
5.	J-21	Moghla Distt; Rajouri	Mineral Investigation	67.52 mtrs
6.	J-14	Rehal Bishnah Distt; Jammu	Ground Water Exploration	213.41 mtrs
7.	J-14	Gigian Teh. (R.S.Pura) Distt; Jammu	Ground Water Exploration	127.80 mtrs
8.	J-16	Sumwan Distt; Kathua	Tube well Construction	19.21 mtrs
		Total Drilling Progress:-		691.28 mtrs.

TOTAL DRILLING PROGRESS FOR THE YEAR 2011-12

S.No.	Location	Investigation	Rig/Unit	Drilling Progress.
1.	Moghla Distt; Rajouri	Mineral Investigation	J-17	118.58 mtrs
2.	Chowki Handan Distt; Rajouri	Ground water Exploration	J-19	89.93 mtrs
3.	Jangalgali Distt; Udhampur	Ground water Exploration	J-20	44.52 mtrs
4.	Moghla Distt; Rajouri	Mineral Investigation	J-21	60.66 mtrs
5.	Moghla Distt; Rajouri	Mineral Investigation	J-21	99.09 mtrs
6.	Sumwan Distt; Kathua	Tubewell Constuction	J-16	29.92 mtrs
		Total	:	442.70 mtrs.

TOTAL DRILLING PROGRESS FOR THE YEAR 2010-11

S.No.	Name of Drilling Unit	Location	Investigation	Progress Achieved.
1.	J-16 P-5000	Sumwan Distt; Kathua	Construction of Tube well	15.96 mtrs
2.	J-17 GD 42-S	East Moghla Distt; Rajouri	Mineral Investigation	86.61 mtrs
3.	J-21 RD-30	West Moghla Distt; Rajouri	Mineral Investigation	47.53 mtrs.
Total:				150.10 mtrs

No. of referred assignments/work during 2009-2012 (Kashmir Division)

i. No. of referred assignments for tube well construction = 08

Brief detail:-

S.No	Assignments	Drilling Depth	Status	Intending Agency
01	Construction of tube well at SKIMS Soura	77.7 mtrs	Completed with discharge 7000 GPH and handed over to indenting agency	SKIMs, Soura
02	Construction of tube well at Sonth bugh Pulwama	72 mtrs	Completed with discharge 9000 GPH and handed over to Indenting agency	Irrigation Deptt;
03	Construction of tube well-I at SKIMS Soura	82.31 mtrs	Completed with discharge 7000 GPH and handed over to Indenting agency	SKIMS Soura

04	Construction of tube well_II at SKIMS Soura	82.31 mtrs	Completed with discharge 8000 GPH and handed over to Indenting agency	SKIMS Soura
05	Construction of Tube well –III at SKIMS Soura	82.31 Mtrs	Completed with discharge 5000 GPH and handed over to Indenting agency	SKIMS, Soura
06	Construction of Tube well at Tujjar Sharif Sopora	36.58 mtrs	Completed with discharge 1000 GPH	PHE Baramulla
07	Construction of Tube well at Saffron field Lethpora Pulwama	101.50 mtrs	Work in Progress.	Agriculture Deptt;
08.	Construction of Tubewell at Grid Station Wagora	86.28	Work in progress	PDD

li. No. of referred assignments for Exploration = 08

Brief Detail:-

S.No	Assignments	Drilling Depth	Status	Intending Agency
01.	Ground Water Exploration at Khrew	106.70 mtrs	Completed	JK Cements,Sgr.
02.	Ground Water Exploration at Central Jail Baramulla	91.46 mtrs	Completed	Police deptt;
03	Ground Water Exploration at University Campus Delina Baramulla	106.70 mtrs	Completed	Kashmir University

04.	Ground Water Exploration at SKIMS, Soura	94.50 mtrs	Completed	SKIMS Soura
05	Ground Water Exploration-I at Safran field Lethpora Pulwama	114.50 mtrs	Completer	Agriculture Deptt;
06	Ground Water Exploration-II at Safran field Lethpora Pulwama.	94.50 mtrs	Completed	-do-
07.	Ground Water Exploration at Warpora Pattan	134.12 mtrs	Completed	-do-
08.	Ground Water Exploration at NIT Srinagar	73.00 mtrs	Completed	NIT, Srinagar

(B) WORKS/PROGRAMMES PROPOSED DURING 2011-12 (KASHMIR)

No. of Drilling Works/Programme Proposed during 2011-12 = 11

Brief detail:-

S.No.	Work/Programme Proposed	Status
01.	Ground Water Exploration at Nulai Poshwari Shopian	Successfully implemented and achieved 67.70 mtrs drilling depth.
02.	Ground Water Exploration at Khudwani Anantnag	Successfully implemented and achieved 106.66 mtrs drilling depth.
03.	Ground Water Exploration at Gujjar Basti Mir Madian Shahabad Anantnag	The programme not taken up, as the Drilling Machine could not be spared due to preoccupation with drilling operations at other site.
04.	Ground Water Exploration at Suresh Banjar Budgam	Successfully implemented and achieved 149.35 mtrs drilling depth.
05.	Ground Water Exploration at Dragar Machoma Budgam	Successfully implemented and achieved 106.60 mtrs drilling depth.
06,	Ground water Exploration at Jailpora Park Sebdan Budgam	Not fully implemented due to emission of gas Depth achieved 62.49 mtrs.
07.	Ground Water Exploration at Sebdan Railway Bridge Budgam	Not taken up due to emission of gas.
08.	Ground water Exploration at Deru-Sebdan Budgam	Not taken up due to emission of gas.
09.	Ground water Exploration at Wagarhar Khunmoh Srinagar	Successfully implemented and achieved 109.72 mtrs drilling depth.
10.	Ground Water Exploration at Shkargha Tral Pulwama	Successfully implemented and achieved 109.75 mtrs drilling depth.
11.	Mineral Investigation at Water Khani Kupwara	Successfully implemented and achieved 30.48 mtrs drilling depth.

Schematic Break Up for the current year 2012-13 in respect of Directorate of Geology and Mining Department

S.No	Schematic Head	Break Up	Funds allotted 2012-13	Expdt. Ending February,2013
1	Casual Labor		16.00	14.372
2	Ongoing works	Const. of Mineral Testing Laboratory at Ompura, Budgam (1st Phase)	13.76	13.76
		Const. of workshop building and Marshalling Yard at Ompura, Budgam.	38.05	38.05
		Const. of office building, approach Road, Fitment of Gate and Sanitary fitting etc at Bijbehara, Anantnag.	8.30	8.30
		Const. of Central store at Ompura Budgam	14.08	14.08
		Total:-	74.79	74.79
3	New Works	Const. of Mineral Check Post at ZangamPattan	9.80	9.80
		Addition/alteration/re pairs of central store Complex, Digiana(Jammu)	18.07	18.07
		Providing of LT connection at Bijbehara Anantnag	3.28	3.28

		(Kashmir)		
		Laying of LT lines/Transformer and allied works at OmporaBudgam	5.28	5.28
		Total:-	36.43	36.43
4	Maintenance of Cap. Assets		5.00	4.379
5	Machinery and Equipment's		83.75	18.07
6	Raw Material and supplies		35.00	23.378
		Undertaking of Training	4.00	0.00
		Under taking of Survey.	10.00	9.733
		Vehicles.	30.00	0.00
		Total:-	44.00	9.733
8	Land Acquisition		13.00	4.00
9	Total		321.00	184.952

Comparative Statement in respect of Plan funds received by the Directorate of Geology and Mining Department for the last 3 years Scheme wise Breakup of Outlays and Expenditure {Rs in lacks}

S. No	Object of Expenditure	Approved Outlay 2010-11	Expt. ending March 2010-11	Approved Outlay 2011-12	Expt. ending March, 2012	Approved Outlay 2012-13	Expt. 2012-13 (ending Feb. 2013)
	<u>Geology and Mining</u>						
	<u>I- REVENUE.</u>						
1	Salaries- Comm.	5.00	5.14	0.00	0.00	0.00	0.00
2	Posts Sanctioned but Vacant	0.00	0.00	0.00	0.00	0.00	0.00
3	For Regularization of D/wagers	0.00	0.00	0.00	0.00	0.00	0.00
4	Salaries- Exp.	0.00	0.00	0.00	0.00	0.00	0.00
5	Salaries (Pay Revision)	0.00	0.00	0.00	0.00	0.00	0.00
6	DA/IR(Fresh)	0.20	0.20	0.00	0.00	0.00	0.00
7	Wages(Daily Wagers)	0.00		0.00	0.00	0.00	0.00
8	Wages(Casual/Seasonal Workers)	3.60	3.49	14.00	13.92	16.00	14.372
9	TE/POL.	0.10	0.10	0.00	0.00	0.00	0.00
10	Office Expenses.	0.10	0.10	0.00	0.00	0.00	0.00
11	Rent, Rate/Taxes.	0.00	0.00	0.00	0.00	0.00	0.00
12	Telephone.	0.00	0.00	0.00	0.00	0.00	0.00
13	STPND/Scholarship.	0.00	0.00	0.00	0.00	0.00	0.00
14	Pub/Information.	2.00	2.00	0.00	0.00	0.00	0.00

15	Training.	0.00	0.00	1.00	0.95	4.00	0.00
16	Books/Library.	0.00	0.00	0.00	0.00	0.00	0.00
17	Research/Survey.	0.00	0.00	1.00	1.00	10.00	9.733
18	Others.(Furniture and Fixture)	0.00	0.00	0.00	0.00	0.00	0.00
	TOTAL REVENUE: -	11.03	11.03	16.00	15.87	30.00	24.105
	<u>II-CAPITAL</u>						
19	Land Acquisition	0.00	0.00	13.00	13.00	13.00	4.000
20	On-going Works.	47.16	47.16	75.75	75.75	74.19	74.190
21	New Works.	125.00	134.55	41.00	41.00	50.06	36.830
22	Maintenance of capital Assets	5.00	4.93	5.00	4.86	5.00	4.379
23	Machinery & Equipment.	53.84	51.07	71.25	71.25	83.75	18.070
24	Raw Material/Drugs.	25.00	24.99	35.00	34.96	35.00	23.378
25	Subsidy/incentive.	0.00	0.00	0.00	0.00	0.00	0.00
26	Loan.	0.00	0.00	0.00	0.00	0.00	0.00
27	Grant/Share Capital.	0.00	0.00	0.00	0.00	0.00	0.00
28	Up gradation Grants.	0.00	0.00	0.00	0.00	0.00	0.00
29	Others(Replacement of Vehicles)	35.00	20.03	48.00	46.37	30.00	0.00
	TOTAL CAPITAL: -	291.00	282.73	289.00	287.19	291.00	160.847
	Total(Revenue Capital)	291.00	293.76	305.00	303.06	321.00	184.952

Annual Plan 2012-13 Schematic Breakup of Outlays {Rs. in Lacs}

GN-2

S.No	Scheme	Approved Outlay 2010-11	Expt. Ending March 2011	Approved Outlay 2011-12	Expt. Ending March, 2012	Approved Outlay 2012-13	Expt. 2012-13 (ending Feb, 2013)
Directorate of Geology and Mining Department							
	<u>State Sector.</u>						
1	Direction and Administration	9.00	11.03	16.00	15.87	30.00	24.105
2	Land Acquisition	0.00	0.00	13.00	13.00	13.00	4.000
3	Machinery and Equipment	53.84	51.07	71.25	71.25	83.75	18.070
4	Purchase of vehicles (others)	35.00	20.03	48.00	46.37	30.00	0.000
5	Completion of ongoing works	47.16	47.16	75.75	75.75	74.19	74.190
6	New works and maintenance of capital Assets.	130.00	139.48	46.00	45.86	55.06	41.209
7	Material and Supplies	25.00	24.99	35.00	34.96	35.00	23.378
Total		300.00	293.76	305.00	303.06	321.00	184.952

Physical Achievements for the last 3 years					GN-3
S.No	Item /Sector	Unit	Achievements 2010-11	Achievements 2011-12	Achievements 2012-13 (ending Feb.,2013)
1	2	3	4	5	6
1	Revenue /Royalty on minerals	Rs. in Crores	34.19	40.79	49.82
2	Geological Mapping (Detailed)	Lac sq/m.	12.75	9.55	10.52
	Geological Mapping (Recy)	Sq./Km	248.25	297.50	319.25
	Pitting and Trenching	Cu. M	1303	850	687
	Samples collected	Nos.	1118	756	925
	Samples Analyzed	Nos.	306	518	652
3	Drilling	M	776.34	1188.15	2220.47