

Field Progress Achieved w.e.f. 2013-14 to 2018-2019

2013-14

- Heavy metal contamination of Surface and sub-surface waters of Hapatkhai watershed, NW Kashmir Valley by M. Yaseen Bhat
- Geotechnical Studies and Landslide Zonation Mapping of Kokernag- Kishtwar Road Section by Mohsin Noor
- Geological Investigation of Quartzite at village Detho District Anantnag by Mr. Nissar Ahmed (Geologist Gr-Ist.), Mr. Showkat Ali Shah (Surveyor), Mr. Feroze Ahmed (Jr. Surveyor).
- Geological Investigation of Limestone at Matyan Drass Kargil-Ladakh by Mr. Ghulam Qadir Bhat (Mineral officer as Officer I/c) & Mr. Basharat Yaseen Qureshi (Mine Surveyor)
- Geo-technical studies and landslide zonation mapping of Kokernag Kishtwar road section by Mr. Khushid Ahmad Mir (Officer Incharge), Mr. Mohsin Noor, (G/Asstt) & Mr. Arshad Hussain Rather (Surveyor)
- Geological Investigation of Heavy metal contamination in Surface & Sub-Surface water of Hapatkhi watershed Northwest Kmr. Baramulla by Mohammad Yaseen Bhat (Officer Incharge)

2014-2015

MINERAL INVESTIGATION

1. General and Detailed exploration (Stage G2&G1) Geological Investigation of left out Limestone deposit at natural hazard sites at District Budgam with landslides Hazard Zonation Mapping (in accordance with latest landslide mapping guidelines) by Dr. Ghulam-U-Din Bhat (GG-III), Officer Incharge Investigation and Ishtiaq Ahmad Qazi (Surveyor).
2. Identification of vulnerable Mulbeik, Tehsil & District Kargil by Mohd Aslam Reli, Officer Incharge Investigation and Basharat Yaseen Mine Surveyor.
3. Reassessment of Mineral potentialities of Zanaskar Himalayas District Kargil with special reference to Gemstones by Ab. Majeed Mir, Dr. A.S Sodhi, Mohd Aslam Reli, Khursheed Ahmad Mir and Dr. Ghulam-U-Din Bhat.

GEOTECHNICAL INVESTIGATION

1. Natural hazard sites at District Baramulla with landslides Hazard Zonation Mapping (in accordance with latest landslide mapping guidelines) by Mohd Yaseen Bhat (Incharge investigation) and Shakeel Ahmad Zargar (Junior Surveyor)
2. Identification of vulnerable natural hazard sites at District Bandipora with landslides Hazard Zonation Mapping (in accordance with latest landslide mapping guidelines) by Mohsin Noor (Incharge investigation) and Feroze Ahmad Badroo (Junior Surveyor).

3. Identification of vulnerable natural hazard sites at District Ganderbal with landslide Hazard Zonation Mapping (in accordance with latest landslide mapping guidelines) by Khursheed Ahmad O, I/C Incharge investigation.

GROUNDWATER INVESTIGATIONS

1. Hydrological Scenario in parts of Qazigund area District Kulgam/Anantnag with reference to water level measurement of groundwater quality and delineation of groundwater potential zones by Dr. Ghulam -U-Din Bhat (GG-III) Officer Incharge Investigation.
2. Carried out thematic studies on "Aquifer mapping of district Srinagar" by M Yaseen Bhat.

MINOR MINERAL BLOCKING

1. Identification, Demarcation and Delineation of Minor Mineral Blocks (Nallahs and Stone Quarries) at District Anantnag and Pulwama by Dr. A.S Sodhi, Khursheed Ahmad Mir, Arshad Hussain Rather, Concerned I/c DMO.(with the job to accompany the team & have liaison with Dist. Revenue Authorities for furnishing description of the land to be taken for Minor Mineral Blocking)

2016-17

1. Reconnaissance survey and preliminary exploration (G4 and G3) of Limestone deposit at Bajnar Bathyan (Chakdoora), Tehsil Pampore & District Pulwama by Khursheed Ahmad Mir (AMO), Officer Incharge Investigation, Basharat Yaseen, Mine Surveyor
2. Reconnaissance survey and preliminary exploration (G4 and G3) of Limestone deposit at Khangral Bodh Karbu, Tehsil & District Kargil by Khursheed Ahmad Mir (Officer Incharge Investigation) and Mohd Aslam Reli (GG-III),

GEOTECHNICAL INVESTIGATION

1. Landslides Hazard Zonation Mapping at District Budgam (in accordance with latest landslide mapping guidelines) by Dr. Ghulam-U-Din Bhat (GG-III), Officer Incharge Investigation and Feroz Ahmad Badroo (Jr. Surveyor).
2. Landslides Hazard Zonation Mapping at District Baramulla (in accordance with latest landslide mapping guidelines) by Mohd Yaseen Bhat (Incharge investigation) and Ishtiyah Ahmad Qazi (Surveyor)
3. Landslides Hazard Zonation Mapping at District Bandipora (in accordance with latest landslide mapping guidelines) by Mohsin Noor (Geological Asstt.) Incharge investigation and Shakeel Ahmad Zargar (Junior Surveyor)

MINERAL INVESTIGATION

1. General and Detailed exploration (Stage G2&G1) Geological Investigation of left out Limestone deposit at Mulbeik, Tehsil & District Kargil by MohdAslam Reli (Officer Incharge Investigation) and Basharat Yaseen, Mine Surveyor
2. Reassessment of Mineral potentialities of Zanaskar Himalayas District Kargil with special reference to Gemstones by Ab. Majeed Mir, Dr. A.S Sodhi, MohdAslam Reli, Khursheed Ahmad Mir and Dr. Ghulam-U-Din Bhat

GEOTECHNICAL INVESTIGATION

1. Identification of vulnerable natural hazard sites at District Budgam with landslides Hazard Zonation Mapping (in accordance with latest landslide mapping guidelines) by Dr. Ghulam-U-Din Bhat (GG-III), (Officer Incharge Investigation) and Ishtiaq Ahmad Qazi (Surveyor).
2. Identification of vulnerable natural hazard sites at District Baramulla with landslides Hazard Zonation Mapping (in accordance with latest landslide mapping guidelines) by Mohd Yaseen Bhat (Incharge investigation) and Shakeel Ahmad
3. Identification of vulnerable natural hazard sites at District Bandipora with landslides Hazard Zonation Mapping (in accordance with latest landslide mapping guidelines) by Mohsin Noor (Incharge investigation) and Feroze Ahmad Badroo (Junior Surveyor).
4. Identification of vulnerable natural hazard sites at District Ganderbal with landslides Hazard Zonation Mapping (in accordance with latest landslide mapping guidelines) Khursheed Ahmad O,I/C Incharge investigation.

GROUNDWATER INVESTIGATIONS

1. Hydrological Scenario in parts of Qazigund area District Kulgam/Anantnag with reference to water level measurement of groundwater quality and delineation of groundwater potential zones by Dr. Ghulam -U-Din Bhat (GG-III) Officer Incharge Investigation

MINOR MINERAL BLOCKING

1. **Identification, Demarcation and Delineation of Minor Mineral Blocks (Nallahs and Stone Quarries) at District Anantnag and Pulwama** by Dr. A.S Sodhi, Khursheed Ahmad Mir, Arshad Hussain Rather and Concerned I/c DMO.

2017-2018

- Preparation of District Survey Report of Kargil District by Mohd Aslam Reli, Sajjad Hussain and Mohd Younis
- Preparation of District Survey Report of Leh District by Mohd Aslam Reli, Sajjad Hussain and Mohd Younis
- Preliminary report on probable slope failure at Sukyal Thongos of Uмба village District Kargil-Ladakh by Mohd Aslam Reli, Khurshid Ahmad Mir and Sajjad Hussain

- Preparation of District Survey reports for the Districts of Srinagar, Baramulla and Shopian by M Yaseen Bhat and Sarfaraz Ahmad Shaban
- Preparation of District Survey reports for the Districts of Anantnag and Pulwama by Khursheed Ahmad Mir and M. Saleem
- Preparation of District Survey reports for the Districts of Budgam and Kupwara by DR Gh Din Bhat
- Preparation of District Survey reports for the Districts of Bandipora and Ganderbal by Mohsin Noor
- Preparation of District Survey Report of Kulgam District by Khursheed Ahmad Mir and Fayaz Ahmad Bhat
- Preliminary report on probable slope failure at Sukyal Thongos of Umba village District Kargil-Ladakh by Mohd Aslam Reli, Khurshid Ahmad Mir and Sajjad Hussain

2018-19

- Preliminary studies for classification of rock strata at Spangmik to Khaktat (near Pangong Lake) District Leh-Ladakh by Mohd Aslam Reli, Sajjad Hussain and Mohd Younus
- Preliminary report on the cracks developed in the households of village Shutkadi Sonamarg, District Ganderbal by Mohsin Noor and Sajjad Hussain
- Preliminary report on probable slope failure at Sukyal Thongos of Umba village District Kargil-Ladakh by Mohd Aslam Reli, Khurshid Ahmad Mir and Sajjad Hussain
- Report on Subsidence/Sinking at Zoonimar, Srinagar by Fayaz Ahmad Bhat and Sajjad Hussain.
- Preliminary report on the cracks developed in the households of village Shutkadi Sonamarg, District Ganderbal by Mohsin Noor and Sajjad Hussain

Referred items from 2013

- ❖ Site specific study of Rock fall, Qazi Hamam District Baramulla
- ❖ Site specific study of Landslide at Sanrigund, Malingpora Tehsil Awantipora dist Pulwama.
- ❖ Occurrence of land sinking at Botkadal, Lalbazar, dist Srinagar.
- ❖ Occurrence of mass movement at village Chanquatar (Shahpora) Tehsil Tral district Pulwama.
- ❖ Site specific study on account of possibility of rockfall at Saderkot Payeen Tehsil Ajas dist. Bandipora.
- ❖ Site specific on oozing of water at village Kondabal Dist. Ganderbal.
- ❖ Site specific study of Shokbaba Sumlat landslide Tehsil and dist. Bandipora.
- ❖ Site specific study of landslide/land sinking at various villages of Dist. Baramulla
- ❖ Landslide/mass movement at Laden, Naugam Tehsil Chadura Dist Budgam

- ❖ Site specific of landslide at Nagabal, Lawahipora & Nauras Baba village Tehsil Khag Dist. Budgam
- ❖ Site specific study on risk analyses of displacement of rock boulder at Check Garoora Tehsil Ajas Dist. Bandipora
- ❖ Site specific of landslide/land sinking at Choontinar Chariesharief Dist. Budgam
- ❖ Site specific study on landslide/land subsidence at Shiekh Mohalla/Peer Mohalla Tehsil Kreeri Dist. Baramulla.
- ❖ Sinking/subsidence at Madin Sahib Hawal Dist. Srinagar.
- ❖ Study on dripping of water in the cave of Holy Shrine of Hazrat Saki Zain-Ud-Din Wali (RA) at Asihmuqam Dist Anantnag.
- ❖ Site specific study of land subsidence at Rainawari Dist. Srinagar.
- ❖ Study on water oozing at village Halpora Tehsil Kokernag Dist. Ananatnag.
- ❖ Site specific study on Road subsidence/land sliding at Khanpora Tehsil and Dist. Baramulla.
- ❖ Geo-feasibility for construction of a house at Rangparistan Rainawari Dist. Srinagar.
- ❖ Study on Rehabilitation, Strengthening and four laning of Srinagar Banihal section of NH-1A from 187 to 189.35.
- ❖ Site specific study at Housing Colony Ompora Dist Budgam
- ❖ Site specific study of one damaged house at Nowhatta Sgr. due to land sinking.
- ❖ Damage caused due to rolled down of big boulders at Panthachowk ,Sgr
- ❖ Site specific study at Geological area of Srinagar on account of rolling down of rock mass.
- ❖ Geological Investigation of construction of 275 Acre feet Arzun Garzun water storage scheme at Chrar-i-Shareef.
- ❖ Geological Interim Inspection report of affected Mass movement at Sukyal Thongos of Uмба Village District Kargil.
- ❖ Report on Rehabilitation of landslide affected villages i.e., Latiefabad and Rajpora, Tehsil & District Baramulla.
- ❖ Expert opinion in case of FIR No: 259/2015 u/s 420 RPC of P/S Anantnag
- ❖ Preliminary report on gas seepages at Adipora Sopore District Baramulla
- ❖ Inspection report on Anomalous heating of ground surface at NIT campus Hazratbal, District Srinagar
- ❖ Composite map of Prospected area and Yamkal/Gurtar Quarries at Satpakran Khrew District Pulwama

- ❖ Geological Survey of Bewa water Storage scheme, Village Bewa Tehsil Tangmarg District Baramulla
- ❖ Preparation of Site plan at Pehlipora, Ganderbal for Rehabilitation of affected quarry holders of Safapora Quarry Belt
- ❖ Preparation of Clusters and Individual Brick Earth Mine Areas in District Assessment of minor mineral extracted/dumped in by successful bidder in block -13 of District Pulwama

J. A. K.