

MEASURING PHYSICAL ACCESSIBILITY TO HEALTHCARE NETWORK AND POPULATION COVERAGE MODELING IN J&K STATE USING GEO-INFORMATICS

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Sponsoring Agency

Health & Medical Education Department, J&K Government

Implementing Agency

Department of Environment & Remote Sensing, J&K Government

Bemina, Srinagar

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November, 2012



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Health & Medical Education Department, J&K Government
Implementing Agency:
**Department of Environment & Remote Sensing, J&K Govt.
Bemina, Srinagar**

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Department of Environment & Remote Sensing,
Jammu & Kashmir Government,
Bemina, Srinagar, Kashmir.

And

Health & Medical Education Department,
Jammu & Kashmir Government,
Civil Secretariat, Jammu/Srinagar

Report designed, drafted and printed at:
Geo-informatics Lab,
Department of Environment & Remote Sensing,
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Srinagar, Kashmir, India-190018

DEDICATION

THIS REPORT IS DEDICATED TO THE PEOPLE OF J&K STATE WHOSE HEALTH IS OUR PRECIOUS ASSET AND WHO DESERVE EQUAL OPPORTUNITY TO THE STATES HEALTHCARE NETWORK



CHIEF MINISTER
Jammu & Kashmir

M E S S A G E

A component of good governance is equitable access to health and educational facilities. This access, in turn, is contingent on effective and efficient management strategies and techniques. These can be crystallized by the availability and provision of geospatial databases. These allow decisions to be made on an unbiased analysis of near real time information on the distribution of population, road connectivity, terrain, landscape features and natural barriers that restrict the movement of beneficiaries to common and public facilities. In this context, the State Remote Sensing Department was asked to measure physical accessibility of patients to the existing healthcare network and to suggest locations for scaling up the existing network using geo-information technology. I am happy to note that the assignment has been successfully accomplished within a record time.

In the present report, catchment areas of the existing healthcare facilities have been delineated using GIS based population coverage modelling techniques developed by the World Health Organization (WHO). This model has facilitated scaling up of the existing network under which patients from any corner of the state can access the nearest facility within a travel time of 60 minutes. This is indeed a commendable attempt at facilitating equitable access to the healthcare network of the state.

I congratulate the Director, Department of Ecology, Environment and Remote Sensing, Principal Investigator and his team on accomplishing this task. I wish them success in their future endeavours.

(Omar Abdullah)

MIAN ALTAF AHMED

**HON'BLE MINISTER FOR FOREST & ENVIRONMENT
JAMMU & KASHMIR STATE**



MESSAGE

The near real time ground information acquired through various remote sensing satellite missions helps in developing powerful Geographical Information Systems (GIS) for decentralized microlevel planning to strengthen the local system of governance.

The objective of this HealthGIS Project was to delineate the catchment area of the existing health facility network in the state on the basis of GIS based modeling of road connectivity, spatial distribution of population, landscape features etc., using existing Health Coverage Norms. The model developed by the World Health Organization (WHO) has been used to scale up the existing health facility network for equitable access by patients.

I am happy the project has been successfully accomplished and I expect the Health Service Department to make use of the results for achieving rational distribution of healthcare network in the State.

Lastly, I appreciate the hard work rendered by Mr. Humayun Rashid, Principal Investigator, HealthGIS Project and his team for accomplishing the task within a record time.

MIAN ALTAF AHMED

**DATED:24-10-2012
PLACE:SRINAGAR**



SHAM LAL SHARMA
HON'BLE MINISTER
HEALTH, FLORICULTURE & HORTICULTURE DEPT.
J&K STATE



MESSAGE

It is a matter of great delight that the Department of Ecology, Environment & Remote Sensing has accomplished the task of measuring physical accessibility to healthcare network in the state using population coverage modeling technique developed by the World Health Organization (WHO) at global level. The Department has achieved distinction in bringing the model to local level.

It has always been a desire to have a rational system that would ensure equitable distribution of the healthcare delivery system in the state so that patients from any corner can access these facilities within a reasonable travel time.

The project report highlights areas which are deficient in healthcare facilities and identifies areas where these facilities could be enhanced for ensuring equitable access to patients. The Health Services Department will study the recommendations and try to make use of the enormous spatial data that has been generated under the Project.

I appreciate the work done by the Department of Environment & Remote Sensing and its team of officers and scientists who were involved in this task.


26/10/12
SHAM LAL SHARMA



SHEIKH EJAZ IQBAL, IAS
COMMISSIONER/ SECRETARY TO GOVERNMENT,
FOREST DEPARTMENT,
J&K GOVERNMENT

FOREWORD

There is a growing realization that all government departments involved in natural resource conservation, management and infrastructure development must base their planning practice on near real time and reasonably accurate spatial data. Generation of health facility database happens to be one among 10 priority areas identified by Hon'ble Chief Minister.

Under the HealthGIS Project, the Department of Ecology, Environment & Remote Sensing has obtained distinction in bringing the Global Geospatial Health Services Accessibility Model to the local level. The Department of Ecology, Environment & Remote Sensing has already initiated a project on, 'Establishment of State Spatial Data Infrastructure' with the financial support from the Department of Science & Technology (DST), Govt. of India. Under this endeavor, standardized spatial databases on various geospatial information layers shall be available via a Geoportal for online access by the line departments for use in planning activities of their respective domains. The database generated under the HealthGIS project is also expected to be thrown on the proposed Geoportal of SSDI Project for assisting in decentralized microlevel planning of health services.

The work done by the department will open a new era of such studies that will help the line departments in decision making

I wish best of luck to the team involved in the Project.

Sheikh Ejaz Iqbal, IAS



MANOJ KUMAR DWIVEDI, IAS
SECRETARY TO GOVERNMENT,
HEALTH & MEDICAL EDUCATION DEPARTMENT
J&K GOVERNMENT



PREAMBLE

Keeping in view the potential of geoinformation technology, the Department of Remote Sensing was asked to undertake a study for measuring physical accessibility to existing healthcare network in the state besides, generating a scenario of a scaled up network where the new facilities could be located rationally for ensuring equitable access by the patients. For this, the Department has used the model developed by the World Health Organization(WHO) and has successfully brought it to a local scale.

The project is first effort of its kind aimed at realizing a healthcare network where various parameters like; population spread, landscape features, terrain complexity, road connectivity, mode of transportation and impact of physical barriers has been taken into account.

It is a matter of great achievement that the Remote Sensing Department has finally come up with this report. The recommendations put forth will be examined and appropriate action will be taken to make use of the findings.

Lastly, I appreciate the hard work put in by the team headed by Mr. Humayun Rashid, Principal Investigator of the Project.

MANOJ KUMAR DWIVEDI, IAS



**Addl. Pr. Chief Conservator of Forests / Director,
Department of Environment & Remote Sensing,
J&K Govt., Srinagar**



PREFACE

During the year 2009, Health & Medical Education Department had sought an expert opinion of this Department for exploring the possibility of conducting a scientific study on physical accessibility to healthcare network in the State so that new sites for establishment of health facilities could be identified on a rational basis. Accordingly, a model study was carried out by Mr. Humayun Rashid, Junior Scientist on Thatri tehsil of Doda District using a software package by the name ACCESSMOD-3 developed by the World Health Organization(WHO). The Scientist presented the model study before the High Level Committee on Health Sector Reforms headed by the Hon'ble Chief Minister on 11th of December, 2009. The Hon'ble Chief Minister gave directions for carrying out the study for the entire state. The Project got formally sanctioned during ending September, 2010 with a project period of two years. However, the actual mapping work started from January, 2011 after the necessary equipment and trained manpower was made available.

The study involved delineation of catchment areas of the existing health facilities using parameters like population coverage capacity of the various types of health institutions, predetermined travel time for the patients while traversing varying landscape features. It also took into account, the spatial distribution of population, terrain complexity, road connectivity, speed of travel, mode of transportation, direction of travel of the patients and the issue of physical barriers like snow cover and rivers/streams. The report suggests sites for the unattended population lying outside the existing catchments through a scaled up network where patients could access the nearest basic health facility within a travel time of 60 minutes. The results have been scrutinized by generating district-wise 60 minutes travel time grids for both existing as well as the scaled-up network and by overlaying the village point layer over it. There is further scope for validation of results on ground by the local staff of the Health Services Department and their feedback on the subject would be highly appreciated.

In fact, this is the beginning and as the technology goes on improving and new packages to solve multiple problems on the subject become available, more such studies could be undertaken by the department.

I appreciate the work done by the Principal Investigator, Shri Humayun Rashid and his team.

Suresh Chugh, IFS

Dated: 26-10-2012
Place: Srinagar

Acknowledgment

I express my deep sense of gratitude to Mr. Atal Duloo, IAS who, during his tenure as Commissioner / Secretary to Government, Health & Medical Education Department, asked me to initiate a model study on measuring physical accessibility to healthcare network using geospatial techniques. The model study was carried out on Thatri tehsil of Doda district under his close supervision and guidance, who despite his busy schedule, extended valuable guidance and encouragement which continued even after his transfer. It was his personal effort which finally provided me an opportunity to present the study before the Hon'ble Chief Minister during the High Level Meeting on Health Sector Reforms. I express my deep indebtedness to Jenab Omar Abdullah, the Hon'ble Chief Minister, J&K for his kind appreciation and on the spot instructions to carry out the study for entire state during the said meeting. I also express my sincere thanks to Jenab Mian Altaf Ahmad, Hon'ble Forest Minister for his kind support and encouragement. Thanks are also due to Mr. Sheikh Ejaz Iqbal, IAS, Commissioner / Secretary to Govt., Forest Department, Mr. M.K Dwivedi, IAS, Commissioner / Secretary to Govt., H&ME Department and Mr. G.A Peer, IAS, former Commissioner/Secretary to Govt., H&ME Department for their kind support. Thanks are also due to Mr. Suresh Chugh, IFS, Addl. Pr. Chief Conservator of Forests/Director, Department of Ecology, Environment & Remote Sensing for his kind support and valuable guidance. He was always a source of encouragement for me. Thanks are also due to Mr. Liaqat Ali Dar, Regional Director(Kashmir), Department of Environment & Remote Sensing. I also thank Mr. Ravi Kumar Kesar, IFS, and Mr. Vinod Ranjan, IFS former Directors, Department of Environment & Remote Sensing for their encouragement.

I also thank Dr. Saleem-ur-Rehman, Director, Health Service, Kashmir and Dr. Madhu Kullar, Director, Health Services, Jammu for their support. Words fail to express the level of indebtedness I owe to Mr. Asgar Hussein, KAS and Mr. Tariq Ahmad Khan, former Joint Director (P&S), H&ME Department for they were a constant source of support and encouragement for me.

I express deep indebtedness to Mr. Rabi Kumar, IFS, Mr. T. Ashok, IFS, Mr. S.A Hyderi, IFS, Mr. Mian Javid Ahmad, IFS, Mr. V.K. Raina, IFS, Mr. Rafi Ahmad, KAS, Mr. G.A Mir, KAS and Mr. Mumtaz Ali, KAS for their support at crucial times. Thanks are also due to Mr. Syed Shabir Shafi, Joint Director(P&S), H&ME Department, Mr. Z.A Banday, Joint Director(P&S), Forest Department and Mr. Rafiq Ahmad Matoo, Jt. Director(P&S), H&ME for their support. Thanks are also due to Dr. Bashir Ahmad Janwari, Dy. Director, Health Services, Kashmir and Dr. Khurshed Ahmad Khatana, Dy. Director (P&S), Health Services Department, Kashmir. Thanks are also due to Mr. Abdul Wahid of Economics and Statistics Department. I also thank Mr. Ghulam Nabi War, S.O Planning, Directorate of Health Services, Kashmir and Mr. Suresh Salhotra, S.O Planning, Directorate of Health Services, Jammu. Thanks are also due to Mr. Manzoor Ahmad Bhat, S.O (P&S), and Mr. Navin of H&ME Department. Thanks are also due to Mr. Mohammad Shafi Panjabi, P&S Section, Directorate of Health Services, Kashmir. I also express my indebtedness to the field officers of the Health Services Department for their support during the Ground Truth Verification exercise. I also thank my colleagues and friends; Dr. Hanifa Nasim, Mr. SAR Shah, Dr. Tasneem Keng, Mr. Nissar Ahmad and Mr. Susheel Sharma for their encouragement.

I put on record the hard labour by Mr. Majid Farooq, Mr. Gowhar Nasim, Mr. Muzamil Ahmad Rather and Mr. Syed Asif Ahmad Farooqui, project-mode personnel who worked very hard and displayed a sense of belongingness to the project. Thanks are also due to Mr. Tufail Mohideen, Mr. Sheikh Tanveer, Mr. Manzoor Ahmad Najar, Mr. Arshad Amin, Mr. Iqhlaq Ahmad Mir, Mr. Gowhar Mehraj, Ms Muzamil Amin, Mr. Fayaz Ahmad Tantray and Mr. Tahir Malik for their support in generating the Spatial Census Population Grid. I also thank all those who were behind the scene like ministerial staff, orderlies and drivers of our Department whose contribution was of great significance for the success of this endeavor.

Lastly, I thank my son, Mohammad Hamdan, class 8th student of DPS, Srinagar for designing the cover title page of this report.

**HUMAYUN RASHID
PRINCIPAL INVESTIGATOR
HEALTHGIS PROJECT**

Contents

<i>Chapter</i>	<i>Item</i>	<i>Page</i>
1	Introduction	3-11
	1.1 Objective	06
	1.2 Review of literature	06
	1.3 Healthcare Coverage Concerns	08
2	Study area	13-24
	2.1 Location	15
	2.2 Brief history	16
	2.3 Administrative setup	16
	2.4 People	17
	2.5 Physiography	17
	2.6 Drainage	19
	2.7 Climate	19
	2.8 Population	24
3.	Primary Data	25-33
	3.1 Satellite data	27
	3.2 Topographic data	31
	3.3 Health facility tabular data	32
	3.4 Population data	32
4	Methodology	35-122
	4.1 System requirement	37
	4.2 Software requirements	39
	4.3 Geospatial data requirements	39
	4.4 Map projections, unit and resolution	39
	4.5 Travel time and travelling scenario	42
	4.6 Population Coverage Capacity	44
	4.7 Database creation	46
5	Geospatial Modeling	123-219
	5.1 Fine tuning of databases	125
	5.2 Anantnag District	131
	5.3 Badgam District	135
	5.4 Bandipur District	139
	5.5 Baramulla District	143
	5.6 Ganderbal District	147
	5.7 Kulgam District	150
	5.8 Kupwara District	154
	5.9 Pulwama District	158
	5.10 Shopian District	161
	5.11 Srinagar District	165
	5.12 Doda District	171
	5.13 Jammu District	175
	5.14 Kathua District	179
	5.15 Kishtwar District	183
	5.16 Poonch District	187
	5.17 Rajouri District	191
	5.18 Ramban District	195
	5.19 Reasi District	199
	5.20 Samba District	203
	5.21 Udhampur District	206
	5.22 Kargil District	213
	5.23 Leh District	217
6	Results and Discussion	221-261
	6.1 Scaling up of the network	223
	6.1.1 Anantnag District	223
	6.1.2 Badgam District	224
	6.1.3 Bandipur District	224
	6.1.4 Baramulla District	225
	6.1.5 Ganderbal District	225
	6.1.6 Kulgam District	226
	6.1.7 Kupwara District	227
	6.1.8 Pulwama District	227
	6.1.9 Shopian District	228
	6.1.10 Srinagar District	228
	6.1.11 Doda District	228
	6.1.12 Jammu District	229

6.1.13	Kathua District	230
6.1.14	Kishtwar District	231
6.1.15	Poonch District	232
6.1.16	Rajouri District	233
6.1.17	Ramban District	234
6.1.18	Reasi District	234
6.1.19	Samba District	236
6.1.20	Udhampur District	236
6.1.21	Kargil District	237
6.1.22	Leh District	238
6.2	Accessibility	239
7.	References	262

Tables

<i>S.No.</i>	<i>Item</i>	<i>Page</i>
1	Provisional population figures as per 2011 census	24
2	Satellite data used in the study	27
3	Table showing district-wise projected population for 2011 and the growth trend in each of the districts	32
4	Maximum travel time assigned to various types of Health facilities	42
5	Population Coverage Capacity of different types of health facilities	44
6	Land use/ land cover categories and colour scheme adopted	47
7	Health facilities in Anantnag District	51
8	Health facilities in Badgam District	55
9	Health facilities in Bandipur District	59
10	Health facilities in Baramulla District	61
11	Health facilities in Ganderbal District	66
12	Health facilities in Kulgam district	68
13	Health facilities in Kupwara district	70
14	Health facilities in Pulwama district	76
15	Health facilities in Srinagar District	79
16	Health facilities in Shopian District	80
17	Health facilities in Doda district	82
18	Health facilities in Jammu District	85
19	Health facilities in Kathua District	91
20	Health facilities in Kishtwar District	95
21	Health facilities in Poonch District	97
22	Health facilities in Ramban District	100
23	Health facilities in Rajouri District	102
24	Health facilities in Reasi District	106
25	Health facilities in Samba District	109
26	Health facilities in Udhampur District	111
27	Health facilities in Kargil District	115
28	Health facilities in Leh District	118
29	Sites identified for Sub Centres in Anantnag District	223
30	Sites identified for Sub Centres in Badgam District	224
31	Sites identified for Sub Centres in Bandipur District	225
32	Sites identified for Sub Centres in Baramulla District	225
33	Sites identified for Sub Centres in Kulgam District	226
34	Sites identified for Sub Centres in Kupwara District	227
35	Sites identified for Sub Centres in Shopian District	228
36	Sites identified for Sub Centres in Doda District	229
37	Sites identified for Sub Centres in Jammu District	229
38	Sites identified for Sub Centres in Kathua District	230
39	Sites identified for Sub Centres in Kishtwar District	231
40	Sites identified for Sub Centres in Poonch District	232
41	Sites identified for Sub Centres in Rajouri District	233
42	Sites identified for Sub Centres in Ramban District	234
43	Sites identified for Sub Centres in Reasi District	235
44	Sites identified for Sub Centres in Udhampur District	236
45	Sites identified for Sub Centres in Kargil District	237
46	Sites identified for Sub Centres in Leh District	238

Figures

<i>S.No.</i>	<i>Item</i>	<i>Page</i>
1	Catchment area of a sub health centre delineated on the basis of maximum travel time of one hour	10
2	Catchment area of a sub health Centre delineated on the basis of maximum travel time of two hours	10
3	Location of Jammu & Kashmir State	15
4	IRS 1D LISS-III coverage of Jammu & Kashmir	30
5	Cartosat-1 coverage for Srinagar, Ganderbal, Doda, Kishtwar and Ramban districts	30
6	Cartosat-1 coverage for Bandipur, Kupwara, Baramulla, Shopian, Badgam, Kulgam, Anantnag, Poonch, Rajouri, Udhampur, Reasi, Jammu, Samba and Kathua districts	31
7	Survey of India Topographical map index of J&K State.	31
8	Consumption of RAM due to underlying graph during analysis.	38
9	Rasterization of a road(black) and river(blue) at 23.5 m (a) 1 ha (b) 1km(c) showing artificial passages.	40
10	Tobler's function that links walking speed with slope	43
11	Land-use/Land cover map of Jammu & Kashmir	47
12	Streams preventing movement of patients across the terrain	48
13	Digital Elevation Model of Jammu & Kashmir	48
14	Spatial Census Population Grid of J&K State	49
15	Location of Anantnag District	131
16	Land use/Land cover grid of Anantnag district	132
17	Digital Elevation Model of Anantnag district	132
18	Spatial Census population grid of Anantnag district	133
19	Catchment area of existing health facility network in Anantnag district	133
20	Catchment area of scaled up health facility network in Anantnag district	134
21	District Hospital, Anantnag	134
22	Location of Badgam District	135
23	Land use/Land cover grid of Badgam district	136
24	Digital Elevation Model of Badgam district	136
25	Spatial Census population grid of Badgam district	137
26	Catchment area of existing health facility network in Badgam district	137
27	Catchment area of scaled up health facility network in Badgam district	138
28	Aga Syed Yousuf (RA) Memorial District Hospital, Badgam	138
29	Location of Bandipur District	139
30	Land use/Land cover grid of Bandipur district	140
31	Digital Elevation Model of Bandipur district	140
32	Spatial census population grid of Bandipur district	141
33	Catchment area of existing health facility network in Bandipur district	141
34	Catchment area of scaled up health facility network in Bandipur district	142
35	Bridges connecting populations across the physical barriers of streams	142
36	Location of Baramulla District	143
37	Land use/Land cover grid of Baramulla District	144
38	Spatial census population grid of Baramulla District	144
39	Digital Elevation Model of Baramulla district	145
40	Catchment area of existing health facility network in Baramulla District	145
41	Catchment area of scaled up health facility network in Baramulla district	146
42	Sub District Hospital, Uri, Baramulla district	146
43	Location of Ganderbal District	147
44	Population grid of Ganderbal district	148
45	Land use/Land cover grid of Ganderbal district	148
46	Digital Elevation Model of Ganderbal district	149
47	Catchment area of existing health facility network in Ganderbal district	149
48	Location of Kulgam District	150
49	Land use/Land cover grid of Kulgam district	151
50	Digital Elevation Model of Kulgam district	151
51	Spatial Census population grid of Kulgam district	152
52	Catchment area of existing health facility network in Kulgam district	152
53	Catchment area of scaled up health facility network in Kulgam district	153
54	District Hospital Kulgam	153
55	Location of Kupwara District	154
56	Land use/Land cover grid of Kupwara district	155
57	Digital Elevation Model of Kupwara district	155
58	Spatial census population grid of Kupwara district	156
59	Catchment area of existing health facility network in Kupwara district	156
60	Catchment area of scaled up network in Kupwara district	157
61	Settlements in small valleys often get neglected due to inaccessibility	157
62	Location of Pulwama District	158
63	Land use/Land cover grid of Pulwama district	159
64	Digital Elevation Model of Pulwama district	159
65	Spatial Census population grid of Pulwama district	160
66	Catchment area of existing health facility network in Pulwama district	160
67	Location of Shopian District	161
68	Land use/Land cover grid of Shopian district	162
69	Digital Elevation Model of Shopian district	162
70	Spatial Census population grid of Shopian district	163
71	Catchment area of existing health facility network in Shopian district	163

72	Catchment area of scaled up health facility network in Shopian district	164
73	Location of District Hospital, Shopian on the high resolution satellite image	164
74	Location of Srinagar District	165
75	Population Grid of Srinagar district	166
76	Landuse/Land cover map of Srinagar district	166
77	Digital Elevation Model (DEM) of Srinagar district	167
78	Catchment area health facilities in Srinagar district	167
79	Location of Doda District	171
80	Land use/Land cover Grid of Doda district	172
81	Digital elevation model of Doda district	172
82	Population Grid of Doda district	173
83	Catchment area of existing health facility network in Doda District	173
84	Catchment area of scaled up health facility network in Doda District	174
85	PHC at Chinta, Doda district	174
86	Location of Jammu District	175
87	Landuse/Land cover grid of Jammu district	176
88	Digital Elevation Model of Jammu district	176
89	Spatial census population grid of Jammu district	177
90	Catchment area of existing health facility network in Jammu district	177
91	Catchment area of scaled up health facility network in Jammu district	178
92	Ground Truth Verification exercise and feature identification on the image	178
93	Location of Kathua District	179
94	Land use/Land cover grid of Kathua district	180
95	Digital Elevation Model of Kathua district	180
96	Spatial Census population grid of Kathua district	181
97	Catchment area of existing health facility network in Kathua district	181
98	Catchment area of scaled up health facility network in Kathua district	182
99	Sub-District Hospital of Parole, Kathua District	182
100	Location of Kishtwar District	183
101	Landuse / Land cover grid of Kishtwar district	184
102	Digital elevation model of Kishtwar district	184
103	Spatial census population grid of Kishtwar district	185
104	Catchment area of existing health facility network in Kishtwar district	185
105	Catchment area of scaled up health facility network in Kishtwar district	186
106	PHC at Atholi, Kishtwar district	186
107	Location of Poonch District	187
108	Land use/Land cover grid of Poonch district	188
109	Digital Elevation Model of Poonch district	188
110	Spatial Census population grid of Poonch district	189
111	Catchment area of existing health facility network in Poonch district	189
112	Catchment area of scaled up health facility network in Poonch district	190
113	Casualty block of Sub District Hospital, Surankote, Poonch District	190
114	Location of Rajouri District	191
115	Land use/Land cover grid of Rajouri district	192
116	Digital Elevation Model of Rajouri district	192
117	Spatial Census population grid of Rajouri district	193
118	Catchment area of existing health facility network in Rajouri district	193
119	Catchment area of scaled up health facility network in Rajouri district	194
120	The survey party during discussion with the field staff	194
121	Location of Ramban District	195
122	Landuse/Land cover grid of Ramban district	196
123	Spatial census population grid of Ramban district	196
124	Digital Elevation Model of Ramban district	197
125	Catchment area of existing health facility network in Ramban district	197
126	Catchment area of scaled up health facility network in Ramban district	198
127	Ayurvedic Dispensary at Paristan, Ramban district	198
128	Location of Reasi District	199
129	Landuse/Land cover grid of Reasi district	200
130	Digital Elevation Model of Reasi district	200
131	Spatial Census population grid of Reasi district	201
132	Catchment area of existing health facility network in Reasi district	201
133	Catchment area of scaled up health facility network in Reasi district	202
134	Scattered dwellings across the hilly terrain pose challenge for scaling up network	202
135	Location of Samba District	203
136	Land use/Land cover grid of Samba district	204
137	Digital Elevation Model of Samba district	204
138	Spatial Census population grid of Samba district	205
139	Catchment area of existing health facility network in Samba district	205
140	Location of Udhampur District	206
141	Land use/Land cover grid of Udhampur district	207
142	Spatial census population grid of Udhampur district	207
143	Digital Elevation Model of Udhampur district	208
144	Catchment area of existing health facility network in Udhampur district	208
145	Catchment area of scaled up health facility network in Udhampur district	209
146	Delineation of settlements from the cartosat-1 image for creation of population grid	209

147	Location of Kargil District	213
148	Land use/Land cover grid of Kargil district	214
149	Spatial census population grid of Kargil district	214
150	Digital Elevation Model of Kargil district	215
151	Catchment area of existing health facility network in Kargil district	215
152	Catchment area of scaled up health facility network in Kargil district	216
153	District Hospital, Kargil	216
154	Location of Leh District	217
155	Land use/Land cover grid of Leh district	218
156	Digital Elevation Model of Leh district	218
157	Spatial census population grid of Leh district	219
158	Catchment area of existing health facility network in Leh district	219
159	Catchment area of scaled up health facility network in Leh district	220
160	Public Health Centre, Chuchot	220
161	60 minutes travel time grid and location of villages and existing health facilities in Anantnag district	240
162	60 minutes travel time grid and location of villages and scaled-up health facilities network in Anantnag district	240
163	60 minutes travel time grid and location of villages and existing health facilities in Badgam district	241
164	60 minutes travel time grid and location of villages and scaled-up health facilities network in Badgam district	241
165	60 minutes travel time grid and location of villages and existing health facilities in Bandipur district	242
166	60 minutes travel time grid and location of villages and scaled-up health facilities network in Bandipur district	242
167	60 minutes travel time grid and location of villages and existing health facilities in Baramulla district	243
168	60 minutes travel time grid and location of villages and scaled-up health facilities network in Baramulla district	243
169	60 minutes travel time grid and location of villages and existing health facilities in Ganderbal district	244
170	60 minutes travel time grid and location of villages and existing health facilities in Kulgam district	245
171	60 minutes travel time grid and location of villages and scaled-up health facilities network in Kulgam district	245
172	60 minutes travel time grid and location of villages and existing health facilities in Kupwara district	246
173	60 minutes travel time grid and location of villages and scaled-up health facilities network in Kupwara district	246
174	60 minutes travel time grid and location of villages and existing health facilities in Pulwama district	247
175	60 minutes travel time grid and location of villages and existing health facilities in Shopian district	248
176	60 minutes travel time grid and location of villages and scaled-up health facilities network in Shopian district	248
177	60 minutes travel time grid and location of villages and existing health facilities in Srinagar district	249
178	60 minutes travel time grid and location of villages and existing health facilities in Doda district	250
179	60 minutes travel time grid and location of villages and scaled-up health facilities network in Doda district	250
180	60 minutes travel time grid and location of villages and existing health facilities in Jammu district	251
181	60 minutes travel time grid and location of villages and scaled-up health facilities network in Jammu district	251
182	60 minutes travel time grid and location of villages and existing health facilities in Kathua district	252
183	60 minutes travel time grid and location of villages and scaled-up health facilities network in Kathua district	252
184	60 minutes travel time grid and location of villages and existing health facilities in Kishtwar district	253
185	60 minutes travel time grid and location of villages and scaled-up health facilities network in Kishtwar district	253
186	60 minutes travel time grid and location of villages and existing health facilities in Poonch district	254
187	60 minutes travel time grid and location of villages and scaled-up health facilities network in Poonch district	254
188	60 minutes travel time grid and location of villages and existing health facilities in Rajouri district	255
189	60 minutes travel time grid and location of villages and scaled-up health facilities network in Rajouri district	255
190	60 minutes travel time grid and location of villages and existing health facilities in Ramban district	256
191	60 minutes travel time grid and location of villages and scaled-up health facilities network in Ramban district	256
192	60 minutes travel time grid and location of villages and existing health facilities in Reasi district	257
193	60 minutes travel time grid and location of villages and scaled-up health facilities network in Reasi district	257
194	60 minutes travel time grid and location of villages and existing health facilities in Samba district	258
195	60 minutes travel time grid and location of villages and existing health facilities in Udhampur district	259
196	60 minutes travel time grid and location of villages and scaled-up health facilities network in Udhampur district	259
197	60 minutes travel time grid and location of villages and existing health facilities in Kargil district	260
198	60 minutes travel time grid and location of villages and scaled-up health facilities network in Kargil district	260
199	60 minutes travel time grid and location of villages and existing health facilities in Leh district	261
200	60 minutes travel time grid and location of villages and scaled-up health facilities network in Leh district	261

DOCUMENT CONTROL SHEET

S. No.	Item	Detail
1.	Document Title	Measuring Physical Accessibility to Healthcare Network and Population Coverage Modeling in J&K State Using Geo-Informatics
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7	Originating unit	Department of Environment & Remote Sensing, J&K Govt., Srinagar
8	Abstract	The report is based on geospatial analysis of population distribution, landscape features, topographical variations, mode of transportation, direction of travel of patients, road connectivity and physical barriers. The model developed by the World Health Organization(WHO) has been used to delineate existing catchment areas of the health facilities besides, generating a scaled up network scenario in the state where patients could access the nearest basic health facility within a travel time of 60 minutes.
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(Humayun Rashid)
Principal Investigator

INTRODUCTION

C H A P T E R 1

1. INTRODUCTION

Physical accessibility to Healthcare network is concerned with the ability of a population to obtain a specified set of health care services. Two methods have been in vogue to access healthcare network, presently. One, based on health facility geographical area coverage that assigns a health facility to a certain geographical area and compares it in same domain with national average and another based on health facility proximity coverage that says a health facility should cover areas over a certain radial distance to be compared with national average. But, in both the cases, either geographical area or radial distance covered by the health facility is taken into account and not the population living within that area or in the proximity of a particular health facility. In practical sense, a health facility may be, in certain cases, within half a kilometer from the village, yet it is inaccessible due to physical barriers like deep or fast flowing rivers, snow cover, precipitous terrain etc.

In this situation, the Geo-information technology has emerged as an efficient tool to provide a synoptic coverage of the landscape features that tend to have a bearing on the travel of patient from the villages to the health facility points. While, remotely sensed imagery provides the near real time information about ground reality, the Geographical Information System (GIS) enables analysis of spatial and non-spatial database to synthesize valuable information for evolving an efficient planning process. It is in this context, a Decision Support System (DSS) that could analyze population scatter, terrain features, topography,

physical barriers, bridges and road connectivity besides, mode of transportation and direction of travel of the patients, was thought to be of great significance in eliminating human bias and errors in scaling up new health facility network. An ideal platform recognized by the World Health Organization(WHO) was used as the basic tool for developing the Spatial Decision Support System (SDSS).

1.1 Objective

The objective of the study was to provide an insight into the existing Health Care Network and its catchment areas based on travel time and population coverage capacity of the various types of health institutions in State besides, rationally identifying locations for setting up new health care facilities in future so that patients could reach these within a predetermined travel time irrespective of their location.

1.2 Review of literature

As more and more GIS software packages became available, the collection, storage and manipulation of geographic information underwent a revolution in recent years. The use of GIS packages was not limited to natural resources management but found its large scale utility in facility management including administration of healthcare facilities. During the last decade, many health organizations worldwide have got encouraged to use GIS and benefit from its tools and functions. For example, the Center for Disease Control (CDC), the

USA world's premier disease tracking organization, has used GIS for at least a decade to study how disease spreads from place to place and to study how toxic substances affect people's health (ESRI 2000).

GIS has continued to be used in public health for epidemiological studies (Andes and Davis 1995; Braga *et al.* 1998; Brown *et al.* 1991). By tracking the sources of diseases and the movements of contagions, agencies can respond more effectively to out breaks of disease by identifying at risk populations and targeting intervention (Collins *et al.* 1995).

Today, many health authorities have adopted information systems to manage their tasks and GIS is considered of great value to health planners and it is in fact used by many health authorities. Health care planning studies have used overlay functions for several purposes including having a GIS layer that have patient data and facilities catchment area, or getting a layer that have district data such as population size and proximate health centres (Gatrell and Senior 1999). Bullen *et al.* 1996 have used such GIS technique for primary health care planning in West Sussex, UK. Another example is found in Burns 1995 study of Avon health study at Bristol, UK, where overlay analysis is used to identify the distribution of patients across the health centre boundaries. The overlay procedure is often undertaken in conjunction with spatial buffering, another standard feature of a proprietary GIS (Birkin *et al.* 1996). It enables the user to determine an area at a chosen distance shown as either a point location (e.g., health centre) or a line feature (e.g., a road or a lines) (*ibid.*). The output buffer

function is a circle for points, a corridor for lines and a polygon for polygons. Dodge and White 1995 presented another example of using GIS in health care where Buffer analysis is used to identify how far patients are actually travelling to get into their health centres.

1.3 Healthcare coverage concerns

There is a growing need to provide an unbiased system of universal health coverage where all the citizens can access health institutions within a reasonable travel time. Though, access, equity and quality of healthcare are some of the factors that need to be taken into account while planning health care delivery systems, yet in the present endeavor, we have limited our study to accessibility alone keeping in view the scope and applicability of remote sensing & GIS tools.

Primary health care is an imperative strategy to providing “*health for all*” and is widely acknowledged as a universal solution for improving population well-being in the world (World Health Organization and UNICEF, 1978). If the public healthcare delivery system is equitably distributed it can play important role in preventing diseases and decreasing health inequality on a large scale in society (Guagliardo 2004). Therefore, equitable access to health institutions is one of the indexes for achieving the goal of “*health for all*”.

The catchment area associated with a particular health institution type and the proposal to scale up the existing network are difficult processes that require near real time information and specific tools to help in rational decision making.

In this connection, the World Health Organization has been working on a number of projects aimed at refining models for measuring physical accessibility to healthcare. One such effort has resulted in the development of a software package called Accessmod which provides the users the capability to measure physical accessibility to healthcare network, to estimate the geographical coverage of an existing healthcare network and to scale up the existing network so that patients reach the health institutions within a predetermined travel time.

In view of the unique and dynamic challenges facing the country, India's performance in creating a paradigm of health and wellness for its citizens has been less than satisfactory. The high level expert group on universal health coverage for India has recommended in its report submitted to the Planning Commission of India during November, 2011, that a Sub-Health Centre should cover a population of 3000 souls in inaccessible/tribal areas and 5000 in the rest. Similarly, the report recommends an average population of 30,000 in case of a PHC (20,000 in case of inaccessible/Tribal areas).

However, when we apply this figure in the context of minimum travel time for the patients in a hilly terrain of the State of Jammu & Kashmir where the

population is mostly scattered across the inaccessible terrain, it seems unrealistic vis-a-vis ground reality.

Fig.1 demonstrates how a catchment gets delineated by the Accessmod using maximum travel time of one hour. In this scenario, the population though living within travel time of one hour is not aggregated in the catchment because it is across the physical barrier of a river while as population across the river is aggregated because it is connected across the barrier by a bridge.

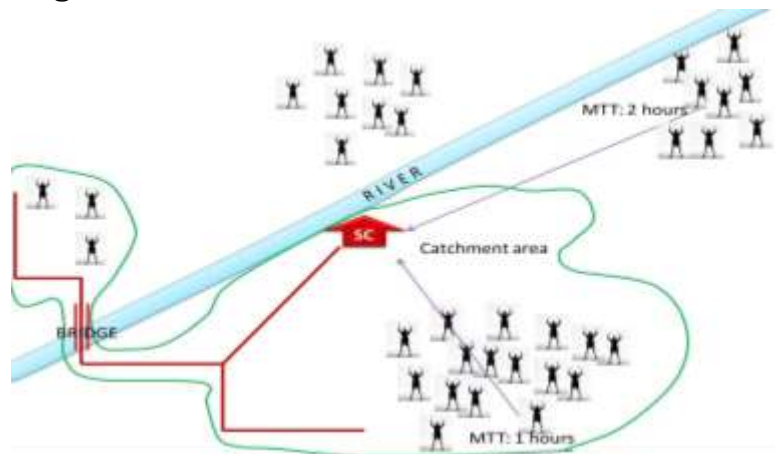


Fig.1 Catchment area of a sub health centre delineated on the basis of maximum travel time of one hour

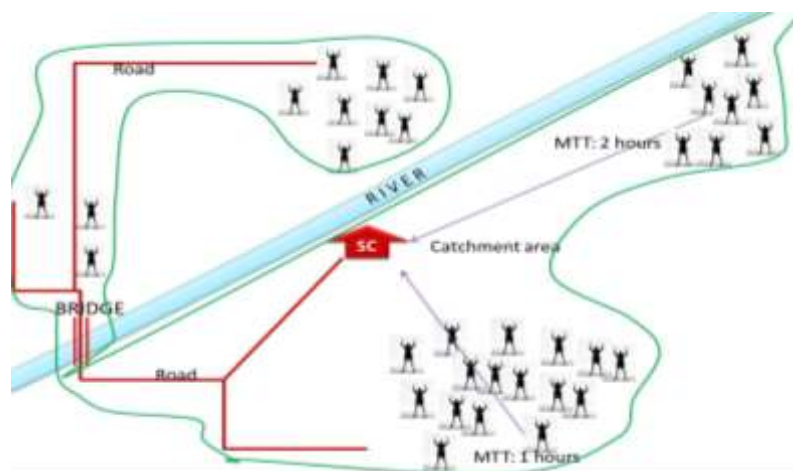


Fig.2 Catchment area of a sub health Centre delineated on the basis of maximum travel time of two hours

Similarly, figure 2 demonstrates how a catchment gets delineated by the *Accessmod* using maximum travel time of two hours. In this scenario, all the population living within travel time of two hours gets aggregated in the catchment including population across the physical barrier of river because it is accessible within two hours travel time owing to its connectivity by a bridge and improved mobility through use of various transportation media. In the State of Jammu & Kashmir, it has been observed that the existing health care network is irrationally distributed. Therefore, the application of *Accessmod* comes handy in such a situation and it is expected to provide a direction towards achieving equitable access to healthcare network by all its citizens.

STUDY AREA

CHAPTER 2

2. STUDY AREA

The State of Jammu and Kashmir is located in the north-western extremity of India, occupying central position in the Asian Continent. Geographical expanse of the State covers an area of 2,22,236 km², which constitutes about 6.74% of the total area of the country. Of the above geographical area of the State, 78114 km² are under illegal occupation of Pakistan and 42735 km² under illegal occupation of China.

2.1 Location

The State lies between 32° 15' to 37° 45' N latitude and 72° 30' to 81° 15' E longitude. It is the northern most state of India and is bounded by China in the East, Afghanistan in the North West and Pakistan in the West. The State has great geo-political significance. Towards south are situated the states of Punjab and Himachal Pradesh. The state is approachable only from south.

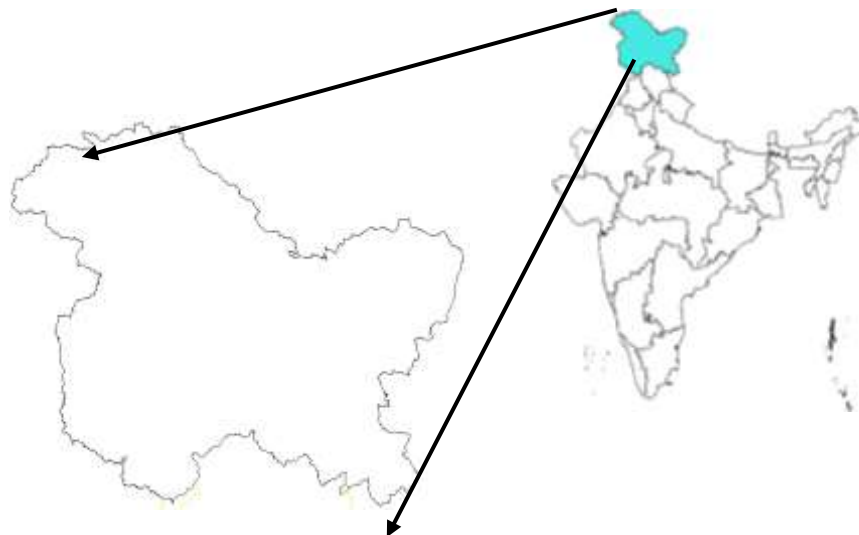


Fig. 3: Location of Jammu & Kashmir State

2.2 Brief History

In 1946, the State of Jammu & Kashmir was founded by Maharaja Gulab Singh by merging Kashmir, Jammu, Ladakh and Gilgit areas. The recorded history of the State goes as early as 272 B.C. when Kalhana, the author of Raj Tarangni (first recorded history in India) penned down valuable accounts on various geo-political issues. Based on sound scientific evidence and historical records, it is said that Kashmir valley was a large flood basin called by the name *Sati-Sar*. It was drained during 9th Century A.D. during King Awantivarman's regime, when the outfall channel of river Jhelum was dredged out near a place called khadanyar in Baramulla district. Even today, the valley floor has a network of lakes and wetlands which are considered as remnants of the historical *Sati-Sar*. History bears eloquent testimony to the fact that in view of its strategically important geopolitical status, vast natural resources and beautiful landscape, the state came under the rule of various bonafide and non-bonafide dynasties that left many a land mark that assumed status of invaluable heritage. These monuments belong to Buddhist, Hindu and Muslim period. Whereas, the Buddhist and Hindu temples are built in stone, the Mosques and Khankaha's were built by Muslim rulers in lofty timber structures and bricks of small size. (Srinagar City Master Plan 2000-2021).

2.3 Administrative setup

The state is divided into two provinces viz. Jammu and Kashmir. The Kashmir province includes the districts of Srinagar, Ganderbal, Bandipur, Baramulla, Kupwara, Badgam, Pulwama, Shopian, Kulgam, Anantnag, Leh and Kargil. The

Jammu province includes the districts of Jammu, Kathua, Samba, Udhampur, Reasi, Poonch, Rajouri, Doda, Ramban and Kishtwar. So far as the health services are concerned, each district is headed by a Chief Medical Officer.

2.4 People

The people of Kashmir valley are a fine race with well built, tall figure and fair complexion. They speak Kashmiri language. They are confined to the valley of Kashmir besides some pockets of Kishtwar, Doda, Karnah and Poonch. The people of Jammu living in the hilly tract extending from the plains of Punjab upto the middle Himalayas are known as Dogras belonging to different religions and sects. They speak Dogri language. Towards the east, in the vast stretch of Ladakh cold desert, lie the Ladakhi people who are a mixture of Mongolian and Aryan races. They are short in stature and speak Ladakhi language.

2.5 Physiography

The State has a unique topography with precipitous hills, plateau lands, plains and valley. The physiographical divisions of the State are broadly recognized as under:

2.5.1 Outer Plains

It is a small, transverse fringe of level land in the continuation of the Punjab plains, along the Southern border of the State. The mean height ranges between

200 m to 550 m (above mean sea level).Major part of this division falls in Jammu.

2.5.2 Shiwalik Hills

The region rises, in the form of lowly hilly and broken mounds, gradually from North-western limits of the Outer-Plains with an average height ranging from 700 m to about 1500 m. (above the mean sea level).River Chenab bifurcates the region into two flanks: eastern and western. The division covers lower reaches of Udhampur, Poonch and Rajouri districts and the upper reaches of Jammu and Kathua districts.

2.5.3 Middle Himalayas

The region is constituted of the geo-mass of Panjal-trap .The southern aspect faces of the outer plains and occupies mid and high altitudes of Poonch, Rajouri and Doda districts. The northern aspect comprises the valley of Kashmir and other Himalayan valleys of interior regions. The average height of the region varies from more than 1500 m to more than 4700m (above mean sea level).This is the region of great economic importance to the state.

2.5.4 Greater Himalayas

As the inner valleys of the Middle mountain region narrow down towards the north, a region of lofty elevations starts appearing with average height ranging between more than 5000m to as high as to 9000m(above mean sea level).This

physiographic region alone occupies nearly 70% of the total area of the State. The region occupies Ladakh, Kargil and North-western Plateaus of Gilgit.

2.6 Drainage

The main drainage is southerly. The principal rivers are the Ravi, Ujh, Besanter and Tawi taking their source from the southerly slopes of the outer Himalayas, cut or flow along the Siwalik down to the plains below. Chennab and its tributaries, Anji and Marwa separate the outer Himalayas from Pir Panjal range. Jehlum takes its source from the northerly slope of Pir Panjal and then through the entire length of Kashmir Valley enters the Wular lake and emerges out on a westerly course and separates the Pir Panjal range from the inner Himalayan ranges and finally flows down to Pakistan. The Indus drains the Ladakh District. Almost all the rivers except the Indus are harnessed for irrigation and production of hydroelectric power to some extent.

2.7 Climate

In view of the unique geographic position of the State of Jammu & Kashmir, it experiences a varied type of climate. There are records of weather for the last one century which reveals appreciable differences both in respect of maximum and minimum temperatures and rainfall from 1951 to 1998. (G. Singh *et al*, 1998). General prevailing weather and climate conditions of the State have micro-level variations. The factors responsible for the climate of the State are

mainly latitude, altitude, terrain, distance from sea and winds. The climate of the State is described in terms of temperature and rainfall as under:-

2.7.1 Temperature

In the outer plains and onto the lower fringes of the outer aspect of the Middle-Mountain region, the mean annual temperature average to 24.2°C. On the basis of thermal index two broad rhymes can be differentiated in this region: Hot to very hot rhyme with mean maximum and minimum temperatures averaging to 34.5°C and 24.3°C, lasts for seven months from April through October. A mild to cold rhythm lasts for five months from November through March with mean maximum temperature averaging to 22 °C and mean minimum to 11.5°C.

The mean annual temperature in the interior of the Middle Himalayas and its adjoining valleys, averages to 13.3°C. Four temperature rhythms can be distinguished in the region on the basis of thermal index. Hot to very hot rhythm lasts for four months from June to September, with mean maximum and mean minimum temperatures averaging to 30°C and 14.7°C.

A very-cold rhythms lasts for three months (December through February) with mean maximum and mean minimum temperatures averaging to 6.9°C and -2.1°C. There are two transitional rhythms; one passing from mild to cold (October and November) and the other from cold to mild (March through May). The mean maximum and mean minimum temperatures of the former rhythm average to 20°C to 2.5°C and the latter rhythm to 19°C to 2.5°C. The

temperature rhythms of the region comprising the mid and high altitude ranges of the outer aspect of the Middle-mountain region are approximately midway between those of the above two regions.

The Inner-mountain region is the coldest area of the State having mean annual temperature of 5.8°C. On the basis of thermal index, four temperature rhythms can be differentiated: A mild rhythm with mean maximum and mean minimum temperatures averaging to 23°C and 8°C, lasts for four months (June through September). Severe cold persists for five months from November through March, when mean maximum and mean minimum temperatures average 3.2°C and -9.7°C. October, with mean maximum and mean minimum temperature 14.6°C-0.7°C, marks the beginning of severe cold rhythm, while April and May with mean maximum and minimum temperatures averaging to 15.3°C and 0.95°C marks the transition from severe-cold rhythm to mild rhythm.

In between the Middle and Inner-mountain regions lies an irregular area with mean annual temperature of 16.8°C. The hot to very-hot rhythm in this region lasts for five months, from May through September, with mean maximum and minimum temperatures averaging to 32.5°C and 19°C. Cold to very cold rhythm lasts for another five months when mean maximum and minimum temperatures average to 12°C and 3°C. April and October constitute mild rhythms one at the beginning of hot rhythm and other at the beginning of cold rhythm.

2.7.2 Rainfall

The outer-plains region (and onto the lower reaches of Middle-Mountain region) is summer monsoon region of the State with mean annual rainfall of 1,069mm. Four rainfall seasons can be delineated, in relation to agriculture and moisture balance as (i) monsoon Season (July through September); Post-monsoon season (October through December) pre-summer season (April through June). More than 66% of mean annual rainfall is received during monsoon season, of which can be estimated as potential runoff may be considerably higher. Both post-monsoon and pre-monsoon seasons receive inadequate precipitation and only pre-summer season receives a balanced quantity of rainfall. The precipitation variability index varies from 0.61 to 0.09 with average at 0.35, suggesting the occurrence of critical periods of drought throughout the region; under certain extremes crops may fail altogether or seeding may not be possible.

The mid and high altitude ranges of the outer aspect of Middle-mountain region, is essentially a summer monsoon region, but the overall hydric regime is modified by winter precipitation, which comes in part as snow at higher elevations. The typical mean annual rainfall is 1,467 mm which is nearly 37% higher than the adjacent outer plains region. Post monsoon season is dry, receiving less than required amount of precipitation. A second run-off period occurs in pre-summer season, when more than 35% of precipitation can be estimated as run-off. The pre-monsoon regime is less dry than in the outer-

plains. Precipitation Variability Index varies between 0.20 and 0.13 with average at 0.16, indicating less critically of drought over major areas.

The inner aspect of the Middle Himalayas is a zone of winter and spring precipitation, with mean annual rainfall of 660 mm, over most part of the area. Two seasons of rainfall distribution can be delineated. One extending from December through May, is Wet and humid, receiving more than 64% mean annual rainfall, of which an appreciable portion is received as snow. Due to low temperature regime 65% of precipitation received during this period can be regarded as surplus. However, unlike warm regions of the State, most of the surplus precipitation is stored as perpetual snow in high ranges. The remaining 35% of mean annual rainfall comes from May through November, which is a period of moisture deficiency. Precipitation variability index varies from 0.45 to 0.15, with average at 0.3, which suggests that droughts can be highly critical (Kawosa, 1995).

In the Greater Himalayas, the total rainfall is inconsequential .Of the mean annual rainfall of 83.0 mm, about 36% is received during cold rhythm from December through March, and another 32.5% is received during the mild rhythm of July and August.The remaining precipitation is distributed over seven months and is effective for crop production, except, perhaps, for the grasslands which can make efficient use of even very small quantities of moisture.

Snowfall in higher reaches is important in this region as it helps in maintaining the moisture supplies during the active season when there is very scanty rainfall.

Of special importance are the cumulative snow beds at high ranges. Perpetual snow beds ranging from 2.1 meters to 5.5 meters have been reported at altitudes between 1800 meters and 3000 meters. The snow melts feed the rivers and streams and agriculture thrives in the river and stream valleys.

2.8 Population

As per census of 2011, the population of Jammu & Kashmir has touched 12548926. According to provisional figures, the population of various districts is as:

Table 1: Provisional population figures as per 2011 census

S.No	Divisions	District	Area in 000'Sq Km	Population(2011)	Headquarters
Jammu region					
1		Kathua	2,651	615711	Kathua
2		Jammu	3,079	1526406	Jammu
3		Samba	-	318611	Samba
4		Udhampur	4,550	555357	Udhampur
5		Reasi	-	314714	Reasi
6		Rajouri	2,630	619266	Rajouri
7		Punch	1,674	476820	Poonch
8		Doda	11,691	409576	Doda
9		Ramban	1,527	283313	Ramban
10		Kishtwar	-	231037	Kishtwar
Kashmir Valley region					
11		Anantnag	3,984	1070144	Anantnag
12		Kulgam	-	422786	Kulgam
13		Pulwama	1,398	570060	Pulwama
14		Shupiyan	-	265960	Shupiyan
15		Badgam	1,371	735753	Badgam
16		Srinagar	2,228	1269751	Srinagar
17		Ganderbal	-	297003	Ganderbal
18		Bandipore	398	385099	Bandipore
19		Baramula	4,588	1015503	Baramula
20		Kupwara	2,379	875564	Kupwara
Ladakh region					
21		Kargil	14,036	143388	Kargil
22		Leh	82,665	147104	Leh

PRIMARY DATA

C H A P T E R 3

3. PRIMARY DATA

3.1 Satellite data

Since, the satellite image provides a synoptic view of a large area of the natural landscape it provided the best available near real time information. The following satellite data products were used in the study:

Table 2: Satellite data used in the study

Scenes	Satellite	Sensor	Path	Row	Year of pass
1	IRS ID	LISS-III	91	46	2005
2	IRS ID	LISS-III	92	46	2005
3	IRS ID	LISS-III	93	46	2005
4	IRS ID	LISS-III	94	46	2005
5	IRS ID	LISS-III	95	46	2005
6	IRS ID	LISS-III	92	47	2005
7	IRS ID	LISS-III	93	47	2005
8	IRS ID	LISS-III	94	47	2005
9	IRS ID	LISS-III	95	47	2005
10	IRS ID	LISS-III	96	47	2005
11	IRS ID	LISS-III	97	47	2005
12	IRS ID	LISS-III	93	48	2005
13	IRS ID	LISS-III	96	48	2005
14	Cartosat-1	PAN	499	238	2011
15	Cartosat-1	PAN	500	238	2010
16	Cartosat-1	PAN	501	238	2010
17	Cartosat-1	PAN	502	238	2011
18	Cartosat-1	PAN	503	238	2011
19	Cartosat-1	PAN	504	238	2011
20	Cartosat-1	PAN	505	238	2010
21	Cartosat-1	PAN	506	238	2011
22	Cartosat-1	PAN	499	239	2011
23	Cartosat-1	PAN	500	239	2011
24	Cartosat-1	PAN	501	239	2011
25	Cartosat-1	PAN	502	239	2011
26	Cartosat-1	PAN	503	239	2011
27	Cartosat-1	PAN	504	239	2011
28	Cartosat-1	PAN	505	239	2011
29	Cartosat-1	PAN	506	239	2011
30	Cartosat-1	PAN	507	239	2011
31	Cartosat-1	PAN	499	240	2011
32	Cartosat-1	PAN	500	240	2010
33	Cartosat-1	PAN	501	240	2010
34	Cartosat-1	PAN	502	240	2011

35	Cartosat-1	PAN	503	240	2010
36	Cartosat-1	PAN	504	240	2010
37	Cartosat-1	PAN	505	240	2010
38	Cartosat-1	PAN	506	240	2011
39	Cartosat-1	PAN	507	240	2010
40	Cartosat-1	PAN	501	241	2010
41	Cartosat-1	PAN	502	241	2011
42	Cartosat-1	PAN	503	241	2010
43	Cartosat-1	PAN	504	241	2010
44	Cartosat-1	PAN	505	241	2010
45	Cartosat-1	PAN	506	241	2011
46	Cartosat-1	PAN	507	241	2011
47	Cartosat-1	PAN	508	241	2007
30	Cartosat-1	PAN	509	241	2010
31	Cartosat-1	PAN	501	242	2010
32	Cartosat-1	PAN	502	242	2011
33	Cartosat-1	PAN	503	242	2010
34	Cartosat-1	PAN	504	242	2010
35	Cartosat-1	PAN	505	242	2010
36	Cartosat-1	PAN	506	242	2010
37	Cartosat-1	PAN	507	242	2010
38	Cartosat-1	PAN	508	242	2010
39	Cartosat-1	PAN	509	242	2009
40	Cartosat-1	PAN	501	243	2010
41	Cartosat-1	PAN	502	243	2011
42	Cartosat-1	PAN	503	243	2010
43	Cartosat-1	PAN	504	243	2010
44	Cartosat-1	PAN	505	243	2010
45	Cartosat-1	PAN	506	243	2011
46	Cartosat-1	PAN	507	243	2010
47	Cartosat-1	PAN	508	243	2010
48	Cartosat-1	PAN	509	243	2009
49	Cartosat-1	PAN	510	243	2010
50	Cartosat-1	PAN	511	243	2009
51	Cartosat-1	PAN	501	244	2010
52	Cartosat-1	PAN	502	244	2011
53	Cartosat-1	PAN	503	244	2010
54	Cartosat-1	PAN	504	244	2011
55	Cartosat-1	PAN	505	244	2010
56	Cartosat-1	PAN	506	244	2011
57	Cartosat-1	PAN	507	244	2010
58	Cartosat-1	PAN	508	244	2009
59	Cartosat-1	PAN	509	244	2010
60	Cartosat-1	PAN	510	244	2010
61	Cartosat-1	PAN	511	244	2009
62	Cartosat-1	PAN	512	244	2005
63	Cartosat-1	PAN	513	244	2011
64	Cartosat-1	PAN	514	244	2010
65	Cartosat-1	PAN	502	245	2011
66	Cartosat-1	PAN	503	245	2010

67	Cartosat-1	PAN	504	245	2011
68	Cartosat-1	PAN	505	245	2010
69	Cartosat-1	PAN	506	245	2011
70	Cartosat-1	PAN	507	245	2010
71	Cartosat-1	PAN	508	245	2010
72	Cartosat-1	PAN	509	245	2010
73	Cartosat-1	PAN	510	245	2010
74	Cartosat-1	PAN	511	245	2009
75	Cartosat-1	PAN	512	245	2005
76	Cartosat-1	PAN	513	245	2010
77	Cartosat-1	PAN	514	245	2010
78	Cartosat-1	PAN	515	245	2009
79	Cartosat-1	PAN	503	246	2010
80	Cartosat-1	PAN	504	246	2011
81	Cartosat-1	PAN	505	246	2010
82	Cartosat-1	PAN	506	246	2010
83	Cartosat-1	PAN	507	246	2010
84	Cartosat-1	PAN	508	246	2010
85	Cartosat-1	PAN	509	246	2010
86	Cartosat-1	PAN	510	246	2011
87	Cartosat-1	PAN	511	246	2009
88	Cartosat-1	PAN	512	246	2005
89	Cartosat-1	PAN	504	247	2011
90	Cartosat-1	PAN	505	247	2011
91	Cartosat-1	PAN	506	247	2010
92	Cartosat-1	PAN	507	247	2011
93	Cartosat-1	PAN	508	247	2010
94	Cartosat-1	PAN	509	247	2010
95	Cartosat-1	PAN	510	247	2011
96	Cartosat-1	PAN	511	247	2010
97	Cartosat-1	PAN	512	247	2010
98	Cartosat-1	PAN	506	248	2010
99	Cartosat-1	PAN	507	248	2011
100	Cartosat-1	PAN	508	248	2010
101	Cartosat-1	PAN	509	248	2010
102	Cartosat-1	PAN	510	248	2011
103	Cartosat-1	PAN	511	248	2010
104	Cartosat-1	PAN	512	248	2010
105	Cartosat-1	PAN	513	248	2011
106	Cartosat-1	PAN	506	249	2010
107	Cartosat-1	PAN	507	249	2011
108	Cartosat-1	PAN	508	249	2010
109	Cartosat-1	PAN	509	249	2010
110	Cartosat-1	PAN	510	249	2011
111	Cartosat-1	PAN	511	249	2010
112	Cartosat-1	PAN	512	249	2010
113	Cartosat-1	PAN	513	249	2011

Besides, google image was also used for delineation of settlements relating to Leh and Kargil districts using open source Quantum GIS.

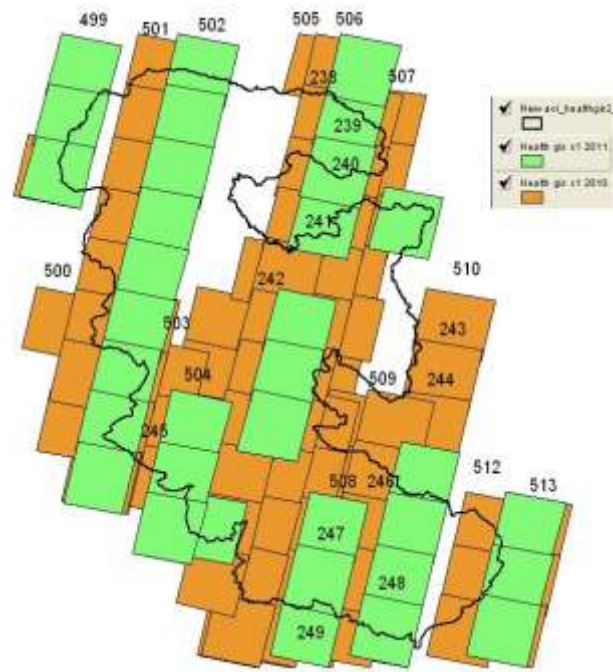


Fig.6: Cartosat-1 coverage for Bandipur, Kupwara, Baramulla, Shopian, Badgam, Kulgam, Anantnag, Poonch, Rajouri, Udhampur, Reasi, Jammu, Samba and Kathua districts

3.2 Topographic data

The state of Jammu & Kashmir is covered by 209 Survey of India topographical sheets. These maps were used for maintaining the spatial frame work besides delineation of road network, drainage network and plotting of the health facilities and generation of the village point layer. The ASTER elevation data was also used in the study.

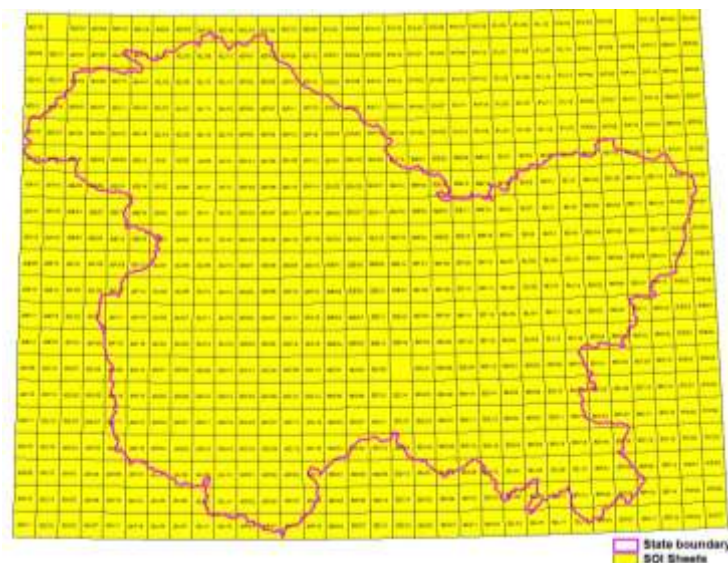


Fig.7: Survey of India Topographical map index of J&K State.

3.3 Health facility tabular data

The district-wise list of Health facilities was furnished by the Directorate of Health services. However, in some cases, where the CMOs didn't respond, the list of health facilities was down loaded from the web site of the J&K Health Services Department. For the sake of analysis, the Community Health Centre was substituted for the nomenclature of District Hospital(DH)/Sub-District Hospital(SDH). Similarly, Public Health Centre(PHC) was substituted for the nomenclature of Allopathic Dispansary/ Urban Health Centre. Similarly, Sub-Centre was substituted for the nomenclature of MAC, MMC etc.

3.4 Population data

Village population data of 2001 census was projected to 2011 as per the growth trend shown in the projected population of the respective administrative district for 2011.

Table 3: Table showing district-wise projected population for 2011 and the growth trend in each of the districts

S. No.	District	Population as per census of 2001	Projected population for 2011	Percentage growth
1	Anantnag	740325	1018309	37.54
2	Bandipur	352233	411312	16.77
3	Baramulla	811099	1109200	36.77
4	Badgam	605658	817993	35.05
5	Ganderbal	212762	276554	29.98
6	Kargil	119307	155079	29.98
7	Kulgam	432109	505652	17.01
8	Kupwara	650393	845399	29.98
9	Leh	117232	152381	29.98
10	Pulwama	441275	573581	29.98
11	Shopian	211332	274695	29.98
12	Srinagar	1079784	1286420	26.14
13	Doda	320256	416278	29.98

14	Jammu	1357077	1763966	29.98
15	Kathua	511455	664803	29.98
16	Kishtwar	190843	248063	29.98
17	Poonch	372613	484333	29.98
18	Rajouri	483284	628186	29.98
19	Ramban	214944	279390	29.98
20	Reasi	247694	321959	29.98
21	Samba	272539	354254	29.98
22	Udhampur	459486	597252	29.98

METHODOLOGY

CHAPTER 4

4. METHODOLOGY

The methodology was based on the study carried out by Dr. Nicolas Ray (University of Bern) and Dr. Steeve Ebener (WHO) on measuring physical accessibility to healthcare network in Malawi using Accessmod 3 extension. However, the study carried out to demonstrate the utility of the software for measuring physical accessibility to healthcare network on a global scale using 1km² grid size was replicated in the present study using grid size of 1 ha. This increased accuracy of the model for addressing concerns of physical accessibility to healthcare network at a local scale. The results are expected to go a long way in planning location of the scaled up healthcare network in the state.

4.1 System requirement

In view of large scale analysis of a number of GIS layers, there was a need to have highend workstation computers with powerful processors and higher RAM. The workstations used for database creation and geospatial analysis consisted of configuration with. *CPU : Intel Xeon E 5630, 2.53 GHz, 12 MB L3 cache, 5.86 GTPS, Qpi, Chip set and Motherboard : Intel E 5520 chipset on Intel/OEM Motherboard, Memory : 12 GB DDR3 1333 MHz, Hard Disk Drive : 1000 GB SATA HDD at 7200 rpm , Storage Controller : SATA Controller RAID 0, 1, Graphic Card : NVIDIA Quadro FX 1800 or ATI Firepro V4800(1GB).*

Since, the AccessMod 3.0 uses an underlying graph structure, the memory consumption is very high. The amount of RAM needed is linearly proportional to the number of “active” cells (i.e. other than *No Data*) in the population grid. The number of active cells is determined by the extent and the resolution of the population grid. Figure 8 shows RAM consumption relative to the number of cells. For example, a population grid without *NoData* cells, and an extent of 1,000 rows by 1,000 columns (i.e. 1,000,000 active cells) would need about 500 MB of free RAM. If the RAM is not sufficient for a given analysis, it is therefore recommended to resample all grids to a lower resolution.

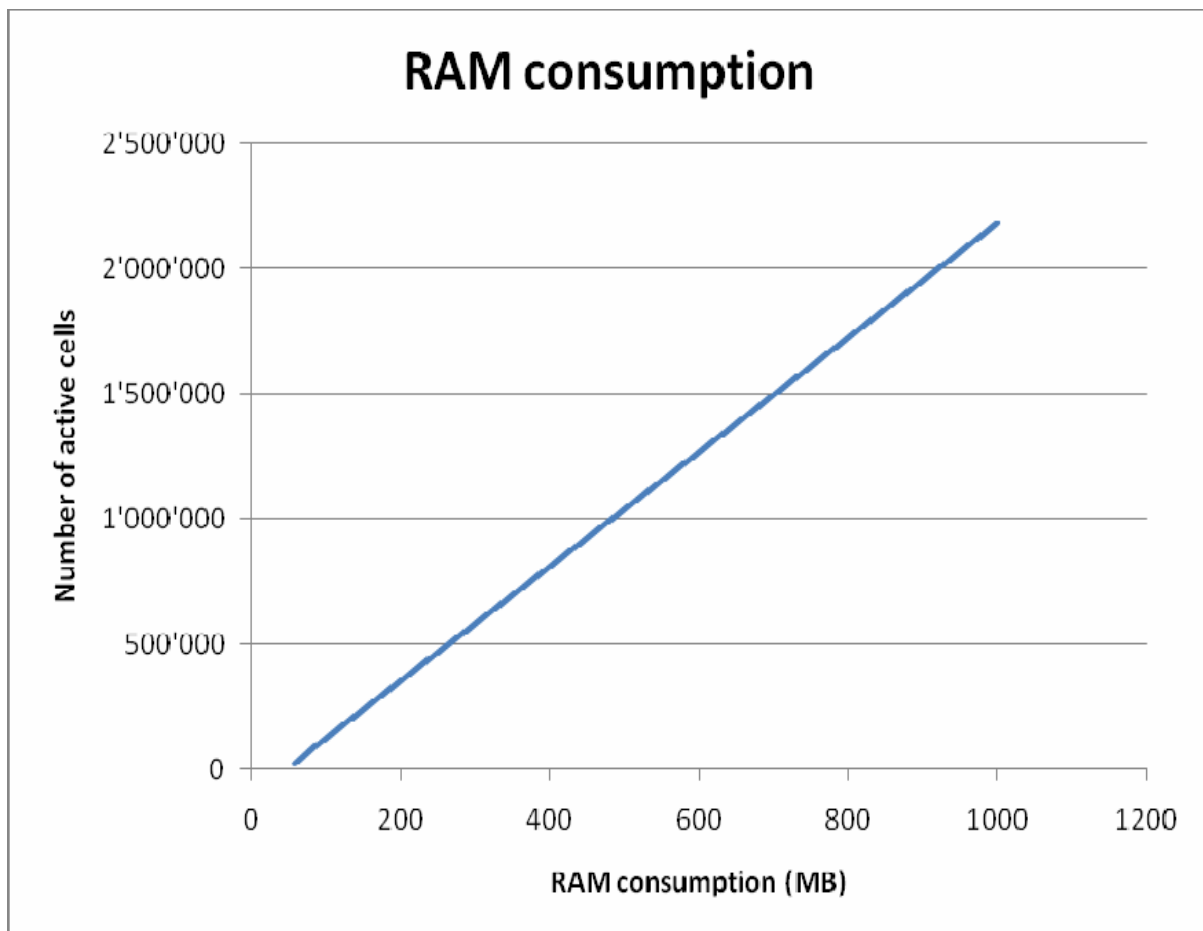


Fig.8: Consumption of RAM due to underlying graph during analysis.

4.2 Software Requirements

The following software was required for database creation and analysis:-

Windows XP (all versions)

- ESRI ArcView 3.2a
- ESRI ArcView Spatial Analyst 2a Extension
- A text editor (e.g. NotePad)

4.3 Geospatial Data Requirements

The delineation of the catchment areas of the existing health institutions and for scaling up the network, a number of primary data layers were required to be generated for use as input in the geospatial model. These included:-

4.3.1 Grids:

- The Spatial Census Population Distribution Grid
- The land use/ Land cover Grid
- The Digital Elevation Model
- An exclusion area grid

4.3.2 Vector layers (shapefiles):

- The point shapefile containing the geographic location (latitude/longitude) of health facilities.
- The line shapefile representing the road network
- The Line and/or polygon barriers shapefile(s).

4.4 Map projection, unit and resolution

While generating shape files and grids, these were projected to UTM WGS 84 projection parameters and since, Accessmod works with variables expressed in the metric system, the map and distance units were set to *meters*.

It is necessary that all the input layers viz. Land use/Land cover grid, Digital elevation model grid and the Spatial Census population grid have the same

resolution. Although, the Land use/ Land cover map was generated using LISS-III data having a resolution of 23.5 m, it had to be resampled to 100 m to match the population grid.

Further, while integrating the line layers like road network and river into the underlying graph it results in a direct impact on the spatial relationship between these features that exists in reality between roads and rivers. As we rasterize the road and the river layers, it creates artificial passages as resolution gets coarser. As an example, Figure 9 shows the result of the rasterization of a road (black) and river (blue) layer that creates artificial passages when the resolution gets too coarse.

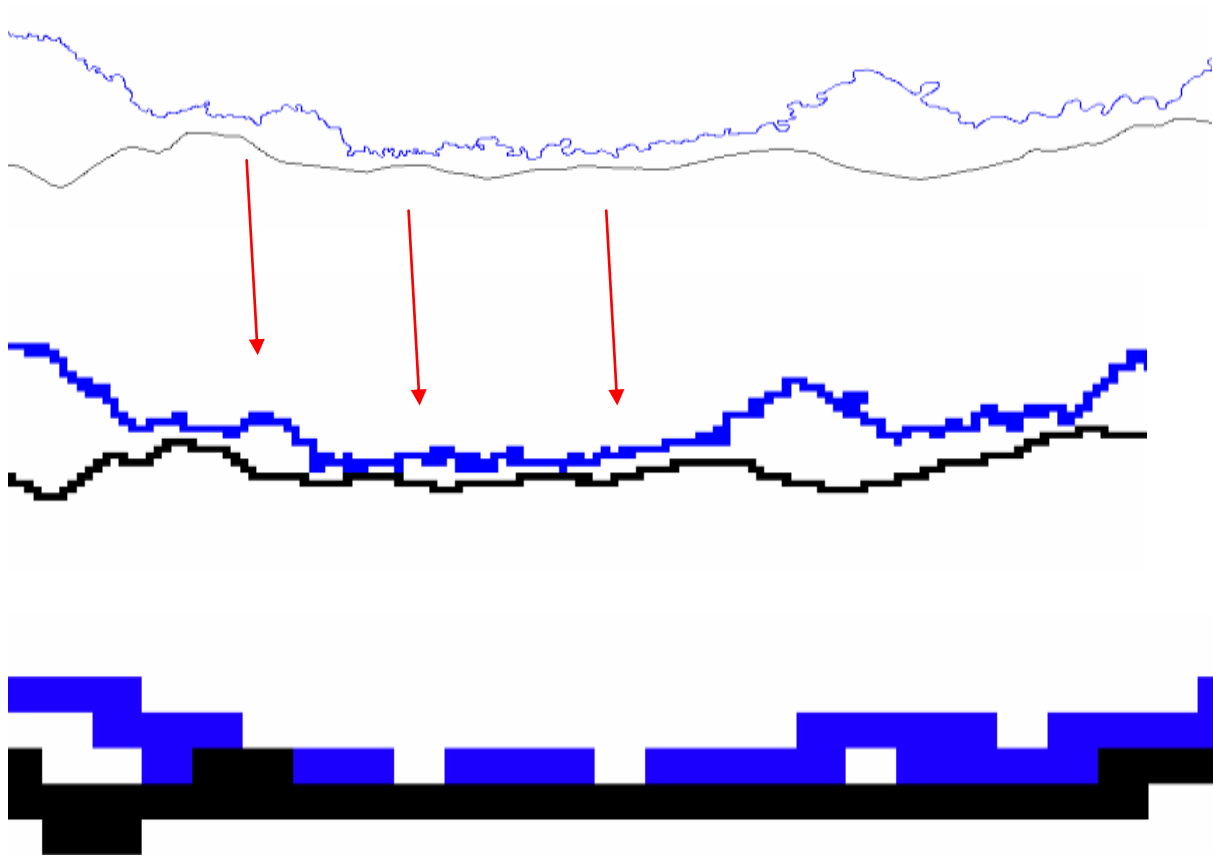


Fig.9.:Rasterization of a road(black) and river(blue) at 23.5 m (a) 1 ha (b) 1km(c) showing artificial passages. (Courtesy: Ebner, 2008)

Therefore, the problem could have been solved by working at a resolution of 23.5 m, but increasing the resolution led to increase in size of the files especially the underlying graph. Due to high consumption of RAM, the system hanged and therefore, the resolution of 1ha size was thought to be workable and with minimum problem of encountering the artificial passages. Wherever, the river and the road existed closely, it resulted in creation of artificial passages and this problem was overcome by creating a buffer of 50 m on either side of a line feature representing a river and simultaneously editing the road running parallel to it in such a way that during rasterization of the two layers, there was no or very limited creation of artificial passages. But, then, while doing so, when the physical barrier of the river was masked out, it carried with it the population living close near the banks of such rivers and this population could not be accounted for during analysis. This is a limitation in the technique which however, does not have too much influence on the overall analysis. Depending on the resolution of the raster grids used, the rasterization of the river network at times, resulted in having some of the health facilities located on cells considered as rivers or water bodies. Whenever this happened, the facility was manually moved to the nearest cell with population and to the correct side of the river. This modification of the location can be considered as an adjustment to the resolution which is used, and its impact on the results of the modeling should typically be very small. (Ebner, 2008). Though, the cell size of one hectare was used in the study. However, in case of Leh district, the resolution of

300 mx300m was used as the RAM could not support the large size of the database due to big size of the districts.

4.5 Travel time and Traveling scenario

Since, maximum travel time assigned to the patient to reach the health facility and the traveling scenario viz. mode of transportation through varying landscape features and speed of travel has got profound impact on the delineation of catchment around a particular health facility, the maximum travel time was assigned to each of the health facility type in the attribute database of health facility point layer. The same is described hereas under:-

Table 4: Maximum travel time assigned to various types of Health facilities

S. No.	Health facility type	Maximum Travel time (minutes)
1.	Sub Centre	60
2	PHC	90
3.	CHC	120
4.	Teritiery hospital	180

Further, a traveling scenario text file was generated which linked the speed of travel of the patient through various landscape features. The traveling scenario text file provided the speed of travel (in km/h) on flat surface, the correction model for the mode of transportation and the description of the landcover category. It is described hereas under:-

Class	speed (km/h)	Model	Description
1	8	WALKING	Built-up
2	5	WALKING	Cultivated
3	4	WALKING	Forest
4	5	WALKING	Scrub
5	2	WALKING	Wetland/Navigable waters

6	40	NONE	Primary road
7	20	NONE	Secondary road
8	6	WALKING	Track

For the speed correction under the column “Model”, either NONE or WALKING is indicated. In case of ‘NONE’, no correction is applied to the indicated speed. Even if a DEM is used in an analysis, there will be no speed correction due to topography. In case of ‘WALKING’, a slope-based correction is applied to the indicated speed. This correction is based on Tobler’s formula, which basically decreases the effective speed of walking for up-slope and down-slope walking as the slope increases, while slightly increasing the Class speed (km/h).

Tobler's formula links walking speed with the slope of the terrain through the following formula:

$$V = 6 * e^{-3.5 * \text{abs}(S + 0.05)},$$

where V is the walking speed in km/h and S is the slope in hundredth of percents. A graphical representation of this relation is shown in Figure 10 assuming the speed of walking is 5 km/h on flat ground.

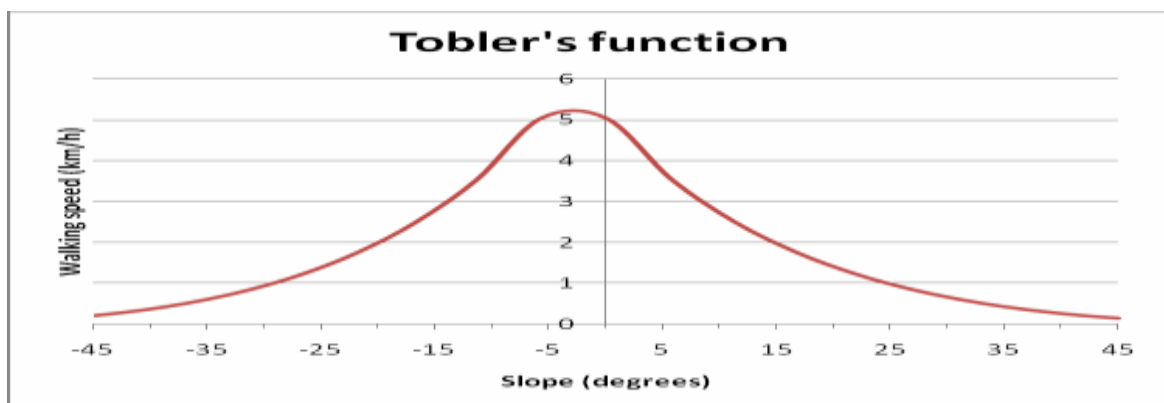


Fig.10: Tobler’s function that links walking speed with slope(Source: Accessmod 3 Manual)

4.6 Population coverage capacity

It corresponds to the extent to which health facilities are utilized by patients as compared to the total number of patients a health facility could potentially serve. The population coverage capacity of health institutions has to be related to maximum travel time taken for the patient to access these facilities for delineation of the catchment areas. The population coverage norms issued by the High level Expert Group report on universal health coverage for India, issued to Planning Commission of India during November, 2011 has recommended that a Sub Centre should cover a population of 3000, PHC 20000 and CHC 80,000 in hilly/ tribal areas. For the sake of meeting the software requirements, the DH and SDH were classified as CHC, Similarly, PHC and AD were classified as PHC and similarly MAC and Sc were classified as SC. However, the following population norms which are currently followed by the State were used in the modeling exercise for Sc, PHC and CHC:-

Table 5: Population Coverage Capacity of different types of health facilities

S. No.	Type of Health Institution	Minimum Population	Maximum Population	Population Coverage Capacity
1.	Tertiary Hospital	2493061	44,00,000	3561515*
3.	DH/SDH/CHC	70001	2493060	100000
4.	PHC/AD/MMC	17501	70000	25000
5.	Sub-Centre	0	17500	3000

Further, the following assumptions were made:-

- a. Minimum Catchment population to qualify for new Sub Centre within a predetermined travel time of 60 minutes=100
- b. When minimum population visiting a SC increases to 70% of the Population Coverage Capacity of a PHC, it may be considered cost

effective to qualify for a PHC facility. Similarly, when minimum population visiting a PHC increase to 70% of the Population Coverage Capacity of a CHC, it may be considered cost effective to qualify for a CHC.

- c. Percentage of inpatients seeking admission at PHC Hospitals=20%
- d. Percentage of inpatients seeking admission at SDH/CHC Hospitals=65%
- e. Percentage of inpatients seeking admissions at the Super Specialty hospital=15%

**Further, the average population coverage capacity of a Tertiary level Hospital was computed as per the formulae provided in the ACCESSMOD Manual of WHO, taking SKIMS Soura as a model.*

Average population coverage capacity of a Tertiary level hospital = A x B x C / D x E x F where;

A= Average No. of beds (700 Nos. at SKIMS Soura)

B=Occupancy rate (92%)

C=No. of days in a year (365 days)

D= Average no. of inpatient admittances per capita per year at Secondary level hospitals (0.10)..... Total Patients visiting SKIMS Soura per year divided by total population of Kashmir valley)

E= Assumption that 15% of patients seek admission at Tertiary level hospital (15%)

F= Average length of stay (4.4 days)

Therefore, Average Population Coverage Capacity of a tertiary level Hospital=700 x 92 x 365 / 0.10 x 15 x 4.4 =**3561515**

For scaling up the existing health facility network, the Accessmod needs to refer to a table which provides necessary information to decide on which type of facility should be located in a given space. The structure of the table is integrated in a Dbase file or a test file and given the name 'capacity.dbf'. The table contains 4 fields viz. Minimum population, Maximum population, Type of

health facility, and the corresponding Health Facility Population Coverage Capacity.

On the basis of above mentioned inputs, the capacity table was generated as is described in Table 5. The maximum population coverage for a tertiary level hospital was fixed at 44,00,000 in view of the level of patient influx at the SKIMS, Soura which was used as a model tertiary level hospital for scaling up network.

4.7 Database Creation

The project involved generation of primary data which includes land use/land cover mapping for identifying the landscape features that influence the movement of patients, topography, road network, drainage, population distribution etc. The same are discussed here as under:

4.7.1 Land-use/ land cover map of J&K

Since, the movement of patient through varying land covers has a bearing on the travel time; the land cover map of the State was considered to be an important layer of information. The land use/ Land cover vector database generated under the NRC-land use/land cover mapping project was edited and the categories were clubbed and simplified to suit the objectives of the current study. The classification system described in Table 6 was adopted which is described hereas under.



Fig.11: Land-use/Land cover map of Jammu & Kashmir

Table 6: Land use/ Land cover categories and colour scheme adopted

S.No.	Category of land use/ land cover	Colour
1.	Built-up land	Red
2.	Cultivated land	Yellow
3	Forest Vegetation	Green
4	Land with or without scrub	Pink
5	Water body	Blue
6	Snow covered	White

Since, the physical barriers like snow cover, precipitious terrain and deep and fast flowing streams and rivers prevent the movement of patients across the terrain, these areas were masked out from the preliminary landuse map and the resultant landuse /land cover grid was generated wherein the these physical barriers represented no data.



Fig.12: Streams preventing movement of patients across the terrain

4.7.2 Digital Elevation Model of J&K

The digital elevation model for the entire J&K State was generated using ASTER Data with 30m X 30 m resolution. In the figure, the red colour indicates low elevation whileas the blue colour indicates areas with high elevation values.

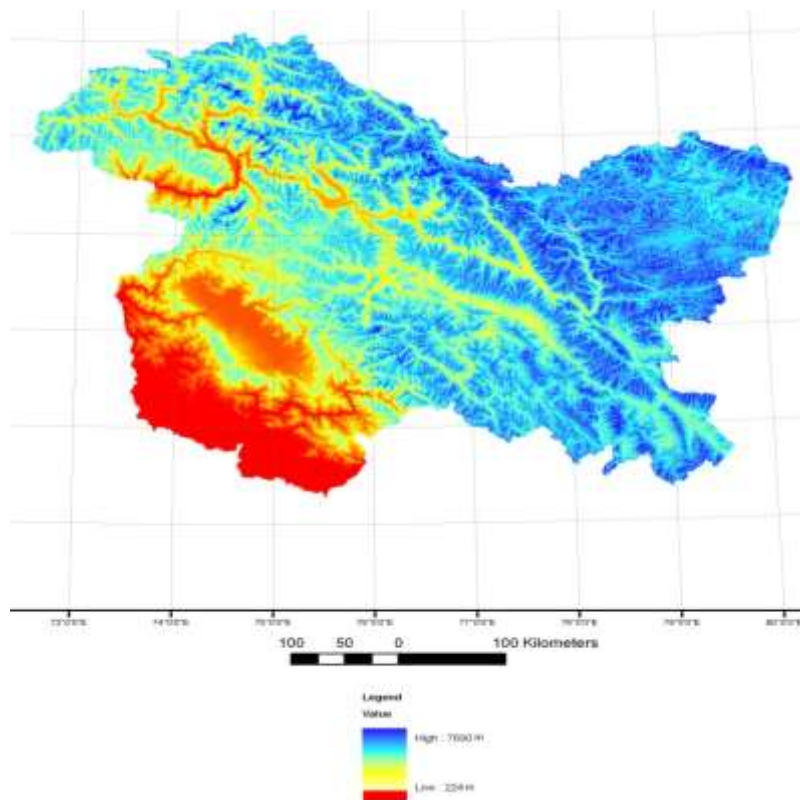


Fig.13: Digital Elevation Model of Jammu & Kashmir

4.7.3 Generation of Spatial Census Population Grid

The software requires a grid layer which contains the distribution of the population for the study area. This grid can be either integer or floating-points number. The best results are obtained by using a grid in which small populated places, such as villages, will be represented as single cells and population living in large populated places, such as towns, would be distributed over the full geographic extent of these large populated places. Since, the spatial population grid is not readily available, a methodology was developed for generation of the same in which the tabular population of the villages of individual tehsils based on 2001 census was projected to the year 2011 using appropriate formula and the data available in the Digest of Statistics published by the Directorate of Economics and Statistics. After this, the settlement extents were delineated from the very high resolution cartosat-1 satellite images. The projected tabular population was tagged to the one hectare resolution vector grid after its integration with the settlement layer. The resultant vector grid was converted from polygon to point coverage and the output was converted to grid format so that population of all the villages irrespective of their spatial extent was accounted for in the final spatial census population grid.



Fig.14: Spatial Census Population Grid of J&K State

4.7.4 Generation of Health facility database

The health facility tabular data supplied by the Health Department partly and partly down loaded from the web site of the J&K Health Services Department was used to identify each of the facility in the real geographical space using topographical maps. The location of a medical facility existing in a particular village was taken as the centre of the village on the topo sheet/image for the sake of analysis since the difference in the distance from any corner of the village to the centre of the settlement is negligible as compared to the distances between the various settlements/ villages. However, where the villages with medical facilities could not be located on the Survey of India topographic sheets, the actual geographical coordinates of the facilities were recorded during the ground truth verification exercise. Further, keeping in view the requirements of the Accessmod software, the health facilities were classified only as CHC, PHC and SC. Besides, the health facility spatial point data base was clipped with the help of the new districts boundary layer and facilities were assigned to the districts on the basis of their geographical location and not their affiliation to Medical Department's own administrative setup. Also, in the event more than one type of health facility is located in a given area, only one is plotted which represents the higher level of a facility. For instance, if at a given site, we have a Sub Centre and a PHC, only one point was plotted representing a PHC as PHC

also acts as a SC. The list depicting the type of medical facilities and their geographical coordinates in each of the district is described here as under:-

Table 7: Health facilities in Anantnag District

ANANTNAG				
Hf_type	Org_HFT	LOCATION	Longitude	Latitude
CHC	EH	Qazigund	75° 9' 58.723" E	33° 35' 39.848" N
CHC	Trauma Centre	Lower Munda	75° 12' 43.597" E	33° 33' 4.198" N
CHC	DH	Anantnag	75° 9' 3.109" E	33° 43' 44.966" N
CHC	SDH	Bijbehara	75° 6' 24.714" E	33° 47' 49.752" N
CHC	SDH	Shangus	75° 16' 51.593" E	33° 42' 1.804" N
CHC	SDH	Kokernag	75° 17' 57.692" E	33° 35' 20.690" N
CHC	SDH	Seer	75° 14' 29.573" E	33° 47' 25.748" N
PHC	PHC	Qazigund	75° 10' 11.297" E	33° 35' 30.083" N
PHC	PHC	Wius	75° 7' 33.939" E	33° 40' 2.221" N
PHC	AD	Cheki Wangund	75° 10' 49.458" E	33° 34' 26.514" N
PHC	PHC	B Kalan	75° 9' 37.891" E	33° 49' 17.316" N
PHC	SHC	Larkipora	75° 10' 19.891" E	33° 38' 35.016" N
PHC	PHC	Anchidora	75° 9' 41.150" E	33° 44' 41.825" N
PHC	AD	Dialgam	75° 10' 11.683" E	33° 40' 53.698" N
PHC	AD	Mongehal	75° 8' 5.469" E	33° 42' 34.869" N
PHC	AD	Gopalpora	75° 12' 28.640" E	33° 43' 42.364" N
PHC	PHC	Chittergul	75° 20' 45.117" E	33° 45' 21.939" N
PHC	AD	Rambarpora	75° 13' 2.822" E	33° 44' 27.944" N
PHC	PHC	Achabal	75° 13' 12.687" E	33° 41' 2.571" N
PHC	PHC	Brakpora	75° 11' 6.987" E	33° 43' 6.958" N
PHC	AD	Brienty	75° 10' 30.052" E	33° 40' 59.987" N
PHC	PHC	Nowgam	75° 15' 50.443" E	33° 41' 41.190" N
PHC	PHC	Ranipora	75° 16' 7.890" E	33° 43' 52.034" N
PHC	AD	Chakilipora	75° 22' 40.205" E	33° 47' 47.776" N
PHC	AD	Dethu	75° 18' 56.535" E	33° 43' 59.164" N
PHC	PHC	Sagam	75° 15' 53.439" E	33° 36' 48.236" N
PHC	AD	Pahalgam	75° 19' 12.570" E	34° 0' 45.066" N
PHC	PHC	Hapatnard	75° 20' 34.663" E	33° 49' 48.244" N
PHC	PHC	Larnoo	75° 22' 26.268" E	33° 37' 30.210" N
PHC	PHC	Wadevalgam	75° 20' 24.390" E	33° 34' 28.525" N
PHC	PHC	Akingam	75° 14' 15.522" E	33° 38' 55.803" N
PHC	AD	Mathindu	75° 24' 22.383" E	33° 41' 44.370" N
PHC	PHC	Gadole	75° 22' 35.677" E	33° 31' 33.018" N
PHC	AD	Keharpora	75° 19' 0.639" E	33° 37' 55.347" N
PHC	AD	Keharpora	75° 19' 31.897" E	33° 39' 11.740" N
PHC	PHC	Verinag	75° 15' 8.489" E	33° 32' 21.771" N
PHC	PHC	Marhama	75° 5' 6.060" E	33° 49' 44.721" N

PHC	PHC	Nanil	75° 10' 39.744" E	33° 46' 21.815" N
PHC	PHC	Mattan	75° 12' 29.588" E	33° 45' 45.141" N
PHC	PHC	Khiram	75° 10' 15.595" E	33° 51' 36.486" N
PHC	PHC	Sirhama	75° 9' 31.109" E	33° 50' 47.832" N
PHC	AD	Veeri	75° 8' 31.807" E	33° 46' 23.805" N
PHC	PHC	Salia	75° 16' 25.568" E	33° 48' 8.209" N
PHC	AD	Kullar	75° 15' 48.711" E	33° 54' 29.277" N
PHC	PHC	Sallar	75° 14' 55.090" E	33° 52' 36.281" N
PHC	PHC	Awoora	75° 16' 43.749" E	33° 56' 7.530" N
PHC	PHC	Srigufwara	75° 13' 11.681" E	33° 48' 55.725" N
PHC	AD	Yannad	75° 16' 46.878" E	33° 54' 38.178" N
PHC	PHC	Hakura	75° 12' 9.378" E	33° 38' 49.180" N
PHC	PHC	Qammar	75° 19' 34.920" E	33° 29' 24.349" N
PHC	PHC/MAC	DK Pora	75° 11' 54.316" E	33° 39' 48.618" N
PHC	PHC/SC	Adlash	75° 12' 58.873" E	33° 48' 21.463" N
PHC	PHC	Ashmuqam	75° 17' 1.643" E	33° 51' 51.694" N
SC	MAC	Baihom	75° 7' 23.295" E	33° 38' 35.776" N
SC	SC	Badragund	75° 9' 17.450" E	33° 37' 39.873" N
SC	SC	Bunigam	75° 8' 0.878" E	33° 38' 0.529" N
SC	SC	Panzat	75° 9' 50.500" E	33° 36' 44.421" N
SC	SC	wanpur	75° 9' 48.511" E	33° 35' 6.323" N
SC	SC	Kiwah	75° 10' 17.511" E	33° 34' 50.962" N
SC	SC	Chandan Pajan	75° 7' 8.147" E	33° 39' 10.138" N
SC	SC	Nus	75° 8' 53.456" E	33° 37' 43.795" N
SC	SC	Shistergam	75° 11' 49.636" E	33° 34' 44.549" N
SC	SC	Auroo	75° 15' 49.605" E	34° 5' 22.104" N
SC	SC	Bona Matihund	75° 24' 2.757" E	33° 41' 28.165" N
SC	SC	Taki Magam	75° 19' 39.319" E	33° 33' 12.373" N
SC	SC	Koot	75° 18' 22.636" E	33° 30' 20.124" N
SC	SC	Ringmandu	75° 22' 50.007" E	33° 28' 9.507" N
SC	SC	Gutligund	75° 14' 17.005" E	33° 32' 35.868" N
SC	SC	A K Pora	75° 11' 28.441" E	33° 39' 29.510" N
SC	SC	Gusvaingund	75° 12' 25.199" E	33° 38' 12.785" N
SC	SC	Dahwoot	75° 16' 38.048" E	33° 55' 42.426" N
SC	SC	Trail	75° 13' 54.306" E	33° 48' 16.840" N
SC	MAC	Adigoal	75° 14' 24.662" E	33° 48' 23.562" N
SC	MAC	Amar	75° 16' 4.109" E	33° 52' 8.672" N
SC	SC	Dadoo	75° 4' 35.077" E	33° 51' 9.755" N
SC	SC	TB Shah	75° 7' 8.814" E	33° 44' 10.809" N
SC	SC	Sepin	75° 8' 8.487" E	33° 44' 55.803" N
SC	SC	Mirdantar	75° 8' 5.182" E	33° 43' 40.179" N
SC	SC	Chhi	75° 9' 3.207" E	33° 44' 49.006" N
SC	SC	Anzwullah	75° 10' 39.812" E	33° 45' 26.143" N
SC	SC	Sarnal	75° 9' 38.192" E	33° 44' 14.045" N
SC	SC	UN Gund	75° 9' 47.561" E	33° 42' 33.963" N
SC	SC	Ganoor	75° 7' 42.557" E	33° 41' 35.301" N

SC	SC	Kamad	75° 9' 2.051" E	33° 41' 16.135" N
SC	SC	Wanihama	75° 10' 16.348" E	33° 41' 39.912" N
SC	SC	Dialgam	75° 9' 33.978" E	33° 41' 56.128" N
SC	SC	Donipawa	75° 10' 9.489" E	33° 43' 7.149" N
SC	MAC	Naibasti	75° 8' 7.059" E	33° 44' 15.366" N
SC	MAC	Lalan	75° 8' 18.570" E	33° 41' 40.332" N
SC	MAC	Pehru	75° 10' 55.982" E	33° 44' 26.714" N
SC	SC	Rampora	75° 12' 1.722" E	33° 44' 26.491" N
SC	SC	Dandipora	75° 22' 59.091" E	33° 34' 46.684" N
SC	SC	Panchalthan	75° 22' 15.464" E	33° 43' 53.535" N
SC	SC	Krangsoo	75° 11' 56.612" E	33° 44' 41.024" N
SC	SC	D.Matipora	75° 10' 19.265" E	33° 45' 55.205" N
SC	SC	Fatipora	75° 9' 25.220" E	33° 39' 16.612" N
SC	MAC	Gund Fatipora	75° 9' 58.833" E	33° 39' 37.445" N
SC	MAC	Kuchpora	75° 8' 45.886" E	33° 36' 24.407" N
SC	SC	Khundru	75° 14' 46.858" E	33° 41' 41.305" N
SC	SC	ISSu	75° 16' 4.199" E	33° 42' 41.994" N
SC	SC	Kanganhal	75° 13' 18.538" E	33° 42' 30.512" N
SC	SC	Sansum	75° 13' 5.506" E	33° 41' 53.260" N
SC	SC	Immoh	75° 11' 43.058" E	33° 41' 26.445" N
SC	SC	Shehlipora	75° 12' 21.009" E	33° 40' 51.988" N
SC	SC	Tooru	75° 15' 39.171" E	33° 43' 23.883" N
SC	SC	Bulbul Nowgam	75° 10' 50.931" E	33° 42' 33.270" N
SC	SC	Thajevara	75° 12' 15.211" E	33° 42' 16.560" N
SC	SC	Andoo	75° 17' 34.222" E	33° 39' 46.390" N
SC	SC	Kreeri	75° 19' 9.017" E	33° 42' 54.055" N
SC	SC	Brariangan	75° 19' 29.617" E	33° 41' 24.404" N
SC	SC	Sheergund	75° 16' 45.666" E	33° 43' 1.571" N
SC	SC	Charpora	75° 19' 46.313" E	33° 43' 56.223" N
SC	SC	Sheikhpora	75° 20' 18.707" E	33° 43' 55.811" N
SC	SC	Krad	75° 17' 59.980" E	33° 43' 31.152" N
SC	SC	Brah	75° 17' 30.748" E	33° 44' 35.968" N
SC	MAC	AhooPaison	75° 19' 38.851" E	33° 43' 46.758" N
SC	SC	Nagam	75° 17' 21.022" E	33° 36' 16.914" N
SC	SC	Hagalgund	75° 17' 6.014" E	33° 35' 58.052" N
SC	SC	Panzgam	75° 19' 21.863" E	33° 37' 33.039" N
SC	SC	Pushru	75° 16' 43.160" E	33° 40' 23.126" N
SC	SC	Frislan	75° 22' 4.310" E	34° 3' 34.223" N
SC	SC	Ladroo	75° 19' 5.217" E	33° 58' 4.255" N
SC	SC	Manzgam	75° 17' 18.105" E	33° 50' 6.159" N
SC	SC	Siligam	75° 15' 40.987" E	33° 49' 28.092" N
SC	SC	Thimbran	75° 24' 14.346" E	33° 47' 3.228" N
SC	SC	Poshnari	75° 21' 41.598" E	33° 46' 46.669" N
SC	SC	Rakhbrah	75° 16' 47.051" E	33° 45' 20.202" N
SC	SC	Kuithare	75° 15' 46.164" E	33° 40' 24.625" N
SC	SC	Wangam	75° 16' 47.037" E	33° 42' 40.454" N

SC	SC	Tangemullah	75° 20' 57.381" E	33° 44' 32.498" N
SC	SC	Lissar	75° 14' 15.408" E	33° 36' 25.811" N
SC	SC	Voy Bumdore	75° 13' 23.939" E	33° 36' 38.860" N
SC	SC	Watnard	75° 16' 29.246" E	33° 34' 11.267" N
SC	SC	Magam	75° 18' 56.858" E	33° 32' 53.509" N
SC	SC	Wopzan	75° 7' 58.620" E	33° 48' 44.379" N
SC	SC	Wagehama	75° 6' 7.207" E	33° 49' 5.232" N
SC	SC	Zarpara	75° 6' 49.223" E	33° 47' 36.459" N
SC	SC	Hugam	75° 11' 57.189" E	33° 48' 8.041" N
SC	SC	Satkipora	75° 9' 13.348" E	33° 48' 49.833" N
SC	SC	Kanalvan	75° 9' 30.830" E	33° 47' 42.813" N
SC	SC	Krindigam	75° 7' 57.073" E	33° 46' 56.467" N
SC	SC	Aukura	75° 11' 46.353" E	33° 46' 24.558" N
SC	SC	Hutmurah	75° 13' 48.195" E	33° 46' 19.923" N
SC	SC	Nambal	75° 13' 26.628" E	33° 47' 33.914" N
SC	SC	Nowshera	75° 10' 35.135" E	33° 50' 25.639" N
SC	SC	Shalgam	75° 8' 4.179" E	33° 50' 3.549" N
SC	SC	Guree	75° 7' 53.624" E	33° 45' 46.812" N
SC	SC	Baba Mohalla	75° 6' 32.760" E	33° 47' 44.530" N
SC	SC	Bewoora	75° 10' 22.908" E	33° 48' 44.573" N
SC	MAC	Hatigam	75° 11' 6.750" E	33° 49' 11.882" N
SC	SC	Panchpora	75° 4' 31.191" E	33° 50' 46.066" N
SC	SC	Brar	75° 17' 28.010" E	33° 48' 36.057" N
SC	SC	Hassan Noor	75° 17' 29.403" E	33° 49' 28.021" N
SC	SC	Khayar	75° 18' 55.920" E	33° 49' 4.617" N
SC	SC	Vailnagbal	75° 21' 32.173" E	33° 49' 27.211" N
SC	SC	Yashnard	75° 19' 11.016" E	33° 52' 11.795" N
SC	SC	Karshangam	75° 15' 20.725" E	33° 50' 59.278" N
SC	SC	Katsoo	75° 14' 23.477" E	33° 50' 57.730" N
SC	SC	Badroo	75° 14' 22.793" E	33° 50' 16.860" N
SC	SC	Batpora	75° 15' 21.457" E	33° 51' 53.692" N
SC	SC	Liwer	75° 14' 14.263" E	33° 52' 4.520" N
SC	SC	Hamnadi	75° 13' 17.912" E	33° 52' 24.110" N
SC	SC	Sheikhpora	75° 13' 36.641" E	33° 53' 44.154" N
SC	SC	Lehendagan	75° 14' 8.997" E	33° 54' 41.122" N
SC	SC	Wallarhama	75° 14' 27.678" E	33° 53' 55.225" N
SC	SC	Wehdan	75° 16' 17.382" E	33° 53' 53.572" N
SC	SC	Veersiran	75° 17' 42.356" E	33° 56' 55.393" N
SC	SC	Shangran	75° 8' 32.026" E	33° 38' 36.746" N
SC	MAC	Shankarpora	75° 10' 33.722" E	33° 37' 31.843" N
SC	SC	Shankarpora	75° 10' 28.953" E	33° 37' 26.543" N
SC	SC	D.Matipora	75° 12' 30.820" E	33° 37' 54.216" N
SC	SC	Shechain	75° 9' 25.211" E	33° 40' 28.394" N
SC	SC	Nowpora	75° 11' 16.708" E	33° 36' 21.992" N
SC	SC	Badasgam	75° 13' 34.630" E	33° 38' 13.209" N
SC	MAC	Hiller	75° 14' 7.835" E	33° 37' 34.937" N

SC	MAC	Hardpora	75° 13' 10.039" E	33° 39' 13.754" N
SC	MAC	Deesu	75° 24' 39.711" E	33° 36' 33.316" N
SC	MAC	Hallan	75° 16' 34.633" E	33° 30' 20.526" N
SC	MAC	Bragam	75° 13' 11.746" E	33° 35' 25.287" N
SC	SC	Nathpora	75° 7' 28.243" E	33° 43' 55.856" N
SC	SC	Wantrag	75° 14' 36.493" E	33° 43' 44.712" N
SC	SC	C I Dass	75° 15' 15.418" E	33° 43' 7.809" N
SC	MAC	Chanderigam	75° 17' 38.255" E	33° 49' 1.339" N
SC	SC	Ahlan Bala	75° 24' 30.908" E	33° 29' 33.077" N
SC	SC	Peer Takee	75° 13' 56.291" E	33° 37' 0.823" N
SC	SC	Nadsangar	75° 21' 4.143" E	33° 38' 29.082" N
SC	SC	Loharsanzi	75° 22' 19.269" E	33° 32' 27.511" N
SC	SC	Adigam	75° 18' 50.237" E	33° 35' 27.807" N
SC	SC	Kandiwara	75° 15' 48.214" E	33° 37' 52.385" N
SC	SC	Shalnard	75° 17' 10.680" E	33° 35' 25.348" N
SC	SC	Arhama	75° 14' 34.547" E	33° 37' 28.906" N
SC	SC	Vailoo	75° 21' 21.518" E	33° 34' 13.749" N
SC	SC	Buchu	75° 14' 33.170" E	33° 36' 52.635" N
SC	SC	Nowbuge	75° 22' 40.459" E	33° 38' 48.235" N
SC	SC	Kachwan	75° 18' 8.145" E	33° 38' 56.452" N
SC	SC	Kapran	75° 21' 16.913" E	33° 28' 26.223" N
SC	SC	Ren	75° 17' 10.159" E	33° 31' 10.630" N
SC	SC	Heward	75° 19' 6.174" E	33° 30' 12.201" N
SC	SC	Nowgam	75° 16' 3.658" E	33° 31' 27.849" N
SC	SC	Batigund	75° 15' 30.244" E	33° 33' 4.372" N
SC	SC	M Abad	75° 12' 14.273" E	33° 34' 58.678" N
SC	SC	Dehran	75° 12' 16.556" E	33° 37' 28.425" N
SC	SC	Movoora	75° 16' 53.476" E	33° 55' 14.156" N
SC	SC	Ainoo	75° 18' 7.220" E	33° 51' 55.787" N
SC	SC	Sather	75° 3' 45.048" E	33° 50' 40.750" N

Table 8: Health facilities in Badgam District

BUDGAM				
HF_type	Org_HFT	LOCATION	Longitude	Latitude
CHC	CHC	Qasba Biru	74° 35' 33.306" E	34° 1' 0.970" N
CHC	CHC	Krimsher	74° 43' 11.532" E	33° 57' 12.814" N
CHC	CHC	Chhatargam	74° 50' 11.708" E	33° 59' 14.257" N
CHC	CHC	Dilpur	74° 47' 16.877" E	33° 55' 23.042" N
CHC	SDH	Chrar-i- Sharif	74° 45' 56.863" E	33° 51' 42.682" N
CHC	CHC	Khanshabib	74° 39' 32.560" E	33° 56' 1.190" N
CHC	CHC	Chadoora	74° 48' 6.072" E	33° 56' 38.801" N

CHC	CHC	Pakherpora	74° 45' 58.636" E	33° 48' 50.370" N
CHC	SDH	Magam	74° 35' 29.066" E	34° 5' 35.097" N
PHC	PHC	Ompura	74° 44' 39.699" E	34° 2' 1.237" N
PHC	PHC	Soibug	74° 42' 42.211" E	34° 4' 40.299" N
PHC	PHC	Bemina	74° 45' 6.595" E	34° 3' 30.133" N
PHC	PHC	Poshkar	74° 30' 47.472" E	34° 1' 47.484" N
PHC	PHC	Gagharpura	74° 40' 6.394" E	34° 6' 44.604" N
PHC	AD	Lolpora	74° 34' 30.598" E	34° 0' 40.258" N
PHC	PHC	Wotarpur	74° 36' 8.881" E	33° 59' 10.013" N
PHC	PHC	Pathkut	74° 36' 20.917" E	33° 58' 50.409" N
PHC	PHC	Dabipur	74° 38' 38.512" E	33° 56' 14.586" N
PHC	PHC	Wadwan	74° 40' 45.509" E	34° 4' 30.479" N
PHC	AD	Chewdara	74° 36' 27.279" E	34° 1' 43.760" N
PHC	PHC	Nasarullahpur	74° 42' 3.765" E	34° 2' 38.787" N
PHC	PHC	Gundipur	74° 37' 16.143" E	34° 1' 10.339" N
PHC	PHC	Watrahel	74° 39' 1.751" E	33° 59' 14.378" N
PHC	PHC	Churamujroo	74° 37' 37.587" E	33° 59' 53.565" N
PHC	PHC	Lasipora	74° 32' 44.457" E	33° 56' 49.607" N
PHC	PHC	Khag	74° 32' 4.099" E	33° 59' 56.259" N
PHC	AD	Rhatsuna	74° 35' 46.424" E	34° 3' 29.760" N
PHC	PHC	Petha Zaingam	74° 34' 47.658" E	33° 57' 57.753" N
PHC	PHC	Harda Panzu	74° 35' 31.280" E	33° 56' 32.853" N
PHC	PHC	Guravet	74° 38' 50.700" E	33° 54' 38.196" N
PHC	PHC	Raiyar Yechh	74° 36' 17.609" E	33° 54' 32.287" N
PHC	PHC	Brenawar	74° 39' 44.228" E	33° 53' 0.157" N
PHC	PHC	Dadwompura	74° 42' 52.157" E	33° 54' 17.419" N
PHC	PHC	Yechegam	74° 45' 11.594" E	33° 59' 7.781" N
PHC	PHC	Nunar	74° 41' 52.913" E	33° 57' 36.471" N
PHC	PHC	Kralnua	74° 37' 0.744" E	33° 57' 30.367" N
PHC	AD	Rangar	74° 45' 37.860" E	33° 56' 32.353" N
PHC	PHC	Bugam	74° 50' 6.669" E	33° 57' 22.946" N
PHC	PHC	Pohru	74° 52' 41.196" E	33° 59' 44.297" N
PHC	AD	Sogam	74° 46' 18.455" E	33° 55' 55.719" N
PHC	AD	Charwani	74° 48' 7.921" E	33° 53' 9.163" N
PHC	AD	Dalwan	74° 46' 37.875" E	33° 50' 29.715" N
PHC	PHC	Hafru Badpur	74° 44' 34.440" E	33° 52' 42.646" N
PHC	PHC	Arigam	74° 41' 18.329" E	33° 55' 42.065" N
PHC	PHC	Keach	74° 40' 12.684" E	33° 55' 18.384" N
PHC	PHC	Kachhwari	74° 40' 20.659" E	33° 54' 35.364" N
PHC	PHC	Surasyar	74° 41' 30.107" E	33° 53' 17.609" N
PHC	AD	Hanzur	74° 43' 23.915" E	33° 55' 7.081" N
PHC	PHC	Sholipora	74° 40' 33.031" E	34° 0' 26.784" N
PHC	AD	Faresabad	74° 44' 1.143" E	33° 49' 42.000" N
PHC	PHC	Makhoma	74° 35' 45.433" E	34° 4' 32.700" N
PHC	PHC	Panzan	74° 46' 40.120" E	33° 57' 42.646" N
PHC	PHC	Hayatpora	74° 49' 31.366" E	33° 54' 25.593" N

PHC	PHC	Aripanthan	74° 34' 41.245" E	34° 3' 40.246" N
PHC	PHC	Lasjan	74° 52' 18.482" E	34° 2' 17.264" N
PHC	AD	Challyan	74° 42' 6.781" E	33° 49' 55.305" N
PHC	PHC	Shamasabad	74° 41' 9.414" E	33° 56' 39.947" N
PHC	PHC	Kanir	74° 44' 15.699" E	33° 56' 35.493" N
SC	SC	Batapura	74° 39' 30.935" E	34° 2' 23.375" N
SC	SC	Garaind	74° 40' 50.692" E	34° 3' 22.000" N
SC	SC	Naugam	74° 44' 48.250" E	33° 50' 23.672" N
SC	SC	Arath	74° 39' 37.480" E	34° 5' 27.663" N
SC	SC	Hajibagh	74° 43' 47.748" E	34° 5' 28.180" N
SC	SC	Humhama	74° 45' 48.885" E	34° 1' 8.441" N
SC	SC	Trapui	74° 31' 24.016" E	34° 1' 3.601" N
SC	SC	Surash	74° 32' 52.602" E	34° 1' 46.740" N
SC	SC	Yechahom	74° 33' 50.980" E	34° 2' 9.542" N
SC	SC	Iskandarpur	74° 34' 7.351" E	34° 1' 40.141" N
SC	SC	Shibpura	74° 37' 16.550" E	34° 5' 23.013" N
SC	SC	Malapura Hanan	74° 38' 5.476" E	34° 3' 38.562" N
SC	SC	Wahapur	74° 39' 42.694" E	34° 3' 27.388" N
SC	SC	Chandpura	74° 40' 25.945" E	34° 2' 6.945" N
SC	SC	Wattarwain	74° 42' 8.792" E	34° 1' 59.762" N
SC	SC	Labartal	74° 40' 55.965" E	34° 1' 42.108" N
SC	SC	Sonapah	74° 36' 21.749" E	34° 0' 31.530" N
SC	SC	Punzayeri	74° 32' 21.634" E	34° 1' 28.402" N
SC	SC	Kandur	74° 35' 12.314" E	33° 59' 29.987" N
SC	SC	Hukalitar	74° 37' 15.868" E	33° 59' 17.074" N
SC	SC	Rawalpur	74° 37' 9.550" E	33° 56' 48.308" N
SC	SC	Harawanvan	74° 38' 22.135" E	33° 57' 21.610" N
SC	SC	Mulanor	74° 39' 3.371" E	33° 57' 17.981" N
SC	SC	Talapur	74° 37' 15.537" E	33° 56' 20.025" N
SC	SC	Rasso	74° 38' 54.151" E	34° 4' 58.299" N
SC	SC	Paimas	74° 41' 34.756" E	34° 3' 39.571" N
SC	SC	Sabdan	74° 44' 8.222" E	34° 2' 45.540" N
SC	SC	Buna Zaingam	74° 34' 26.720" E	33° 58' 31.825" N
SC	SC	Sugan	74° 31' 50.084" E	33° 58' 32.832" N
SC	SC	Kantsatpur	74° 32' 53.639" E	33° 58' 33.971" N
SC	SC	Malapur	74° 33' 13.722" E	33° 59' 38.491" N
SC	SC	Nagabal	74° 30' 59.782" E	34° 0' 31.163" N
SC	SC	Mulashul	74° 38' 31.942" E	34° 2' 31.943" N
SC	SC	Raithan	74° 39' 8.639" E	33° 55' 7.910" N
SC	SC	Chhil	74° 34' 32.525" E	33° 56' 34.344" N
SC	SC	Draggal	74° 38' 21.733" E	33° 53' 25.644" N
SC	SC	Mujhpathar	74° 37' 1.265" E	33° 52' 57.615" N
SC	SC	Frasawar	74° 40' 55.333" E	33° 54' 8.121" N
SC	SC	Shalanar	74° 41' 6.685" E	33° 54' 43.821" N
SC	SC	Shumnag	74° 42' 52.030" E	33° 54' 55.530" N
SC	MAC	Choon	74° 43' 54.959" E	33° 59' 10.436" N

SC	SC	Yechakut	74° 44' 35.593" E	33° 58' 48.182" N
SC	SC	Falatsil	74° 42' 43.439" E	33° 58' 26.344" N
SC	SC	Hardovel	74° 40' 3.426" E	33° 59' 29.396" N
SC	SC	Shogapur	74° 41' 19.971" E	33° 58' 51.298" N
SC	SC	Bonahama	74° 39' 30.381" E	34° 1' 0.359" N
SC	SC	Krishpur/Kalsipora	74° 40' 36.663" E	33° 56' 38.641" N
SC	MAC	Bugur	74° 42' 14.858" E	33° 56' 44.333" N
SC	SC	Lanur	74° 42' 12.742" E	33° 56' 4.902" N
SC	SC	Kargom	74° 44' 21.725" E	33° 57' 44.509" N
SC	SC	Wagam	74° 44' 36.735" E	33° 56' 58.168" N
SC	MAC	Khushipura	74° 43' 48.791" E	34° 5' 44.827" N
SC	SC	Tisru	74° 45' 21.378" E	33° 57' 57.658" N
SC	SC	Hushur	74° 45' 25.111" E	33° 57' 17.302" N
SC	SC	Katergund	74° 46' 37.762" E	33° 56' 40.453" N
SC	SC	Kulbagh	74° 46' 45.038" E	33° 57' 2.374" N
SC	SC	Namthal	74° 47' 27.370" E	33° 57' 34.598" N
SC	SC	Duniwari	74° 49' 29.789" E	33° 58' 23.171" N
SC	SC	Zuhom Kandipur	74° 44' 40.994" E	33° 55' 34.484" N
SC	SC	Badipur	74° 46' 25.875" E	33° 55' 17.287" N
SC	SC	Razawan	74° 43' 22.528" E	34° 0' 10.470" N
SC	SC	Bagh Bahur	74° 48' 2.221" E	33° 58' 4.737" N
SC	SC	Gohapur	74° 50' 31.911" E	33° 57' 45.857" N
SC	SC	Qaisarmullah	74° 49' 34.150" E	33° 56' 26.483" N
SC	SC	Wadipur	74° 49' 12.588" E	33° 56' 8.380" N
SC	SC	Tangnar	74° 49' 0.154" E	33° 55' 27.172" N
SC	SC	Malapur	74° 48' 56.561" E	33° 53' 16.702" N
SC	SC	Tilasur	74° 47' 14.062" E	33° 51' 35.627" N
SC	SC	Karapur	74° 46' 51.371" E	33° 50' 4.451" N
SC	SC	Naupur	74° 45' 19.736" E	33° 54' 37.256" N
SC	SC	Brinjan	74° 43' 51.879" E	33° 52' 54.564" N
SC	SC	Hampur Lulipur	74° 43' 58.377" E	33° 52' 1.441" N
SC	SC	Bunyan	74° 41' 9.582" E	33° 52' 45.690" N
SC	SC	Kutabal	74° 41' 1.565" E	33° 52' 13.603" N
SC	SC	Buzagu	74° 42' 22.416" E	33° 51' 50.213" N
SC	SC	Phutilpur	74° 45' 35.350" E	33° 49' 52.866" N
SC	SC	Dudkhata	74° 43' 20.982" E	33° 50' 3.001" N
SC	SC	Sutaharan	74° 33' 11.208" E	33° 55' 24.069" N
SC	SC	Brenahpathri	74° 43' 50.648" E	33° 50' 4.779" N
SC	SC	Mirpur	74° 37' 10.567" E	34° 2' 34.241" N
SC	SC	Shuplian	74° 29' 52.680" E	34° 0' 58.543" N
SC	SC	Gund-i- Maqsud	74° 45' 35.576" E	33° 55' 45.633" N
SC	SC	Nagabal	74° 42' 28.983" E	33° 48' 44.861" N
SC	SC	Luigpora	74° 31' 41.465" E	34° 1' 57.775" N
SC	SC	Manchu	74° 49' 6.169" E	34° 0' 39.916" N
SC	SC	Shankerpora	74° 49' 34.053" E	34° 1' 6.816" N
SC	SC	Kralpora	74° 49' 1.118" E	33° 59' 50.845" N

SC	SC	Wogur	74° 52' 2.210" E	33° 59' 15.842" N
SC	SC	Zolu	74° 49' 8.352" E	33° 58' 36.048" N
SC	SC	Gopal Saif	74° 45' 52.189" E	33° 57' 10.450" N
SC	SC	Yari Kalan	74° 47' 25.977" E	33° 57' 7.872" N
SC	SC	Charipora	74° 47' 4.240" E	33° 49' 33.128" N
SC	SC	Shamasgund	74° 45' 4.003" E	33° 50' 1.925" N
SC	SC	Dardpora	74° 49' 13.733" E	33° 53' 57.734" N
SC	SC	Kawoosa	74° 39' 22.988" E	34° 6' 28.352" N
SC	SC	Mazhoma	74° 37' 19.295" E	34° 6' 2.091" N
SC	SC	Kanihoma	74° 36' 13.028" E	34° 5' 10.769" N
SC	SC	Batpora	74° 36' 54.016" E	34° 5' 34.100" N
SC	SC	Hanjibug	74° 36' 8.380" E	34° 4' 57.007" N
SC	SC	Badran	74° 34' 38.914" E	34° 4' 36.789" N
SC	SC	Palapora	74° 33' 7.022" E	34° 3' 19.124" N
SC	SC	Kandhoma	74° 34' 7.585" E	34° 3' 48.257" N
SC	SC	Shishan Bannet	74° 38' 27.166" E	34° 0' 54.341" N
SC	SC	Charangam	74° 38' 42.122" E	34° 1' 34.452" N
SC	SC	Sail	74° 34' 6.584" E	33° 59' 8.429" N
SC	SC	Gudasutha	74° 45' 59.744" E	33° 58' 14.535" N
SC	SC	Larkipora	74° 33' 1.298" E	34° 2' 24.495" N
SC	SC	Chakkapora	74° 32' 52.933" E	34° 0' 45.443" N
SC	SC	Kakawring	74° 48' 22.197" E	33° 54' 23.179" N
SC	SC	Khanda	74° 52' 20.636" E	33° 58' 31.788" N
SC	MAC	Rakhshalina	74° 52' 53.869" E	34° 0' 55.693" N
SC	SC	Shalina	74° 53' 47.022" E	34° 1' 35.437" N
SC	SC	Samarbug	74° 53' 22.220" E	34° 2' 7.655" N
SC	SC	Checkpora	74° 51' 23.062" E	34° 0' 22.260" N
SC	SC	New Colony	74° 47' 3.456" E	33° 53' 4.999" N
SC	SC	Rakhhar	74° 45' 41.521" E	33° 52' 24.932" N
SC	SC	Zinpanchal	74° 44' 56.035" E	33° 50' 54.700" N
SC	SC	Broowa	74° 45' 8.226" E	33° 54' 53.126" N
SC	SC	Chak - i - Sardar	74° 50' 59.384" E	33° 55' 9.265" N

Table 9: Health facilities in Bandipur District

BANDIPORA				
HF_Type	Org_HFT	NAME	Longitude	Latitude
CHC	SDH	Bandipora	74° 38' 22.441" E	34° 25' 4.700" N
CHC	SDH	Dawar	74° 49' 50.835" E	34° 37' 59.093" N
CHC	SDH	Sumbal	74° 38' 53.077" E	34° 14' 3.647" N
PHC	PHC/SC	Ashtangoo	74° 32' 10.892" E	34° 24' 42.414" N
PHC	PHC	Chuntimulla	74° 43' 57.439" E	34° 24' 33.717" N

PHC	AD	Walur Lake	74° 31' 42.475" E	34° 23' 41.186" N
PHC	AD	Bogtore	74° 40' 35.787" E	34° 40' 3.789" N
PHC	AD	Barnaie	74° 57' 9.807" E	34° 36' 29.560" N
PHC	PHC	Sheikhpora	74° 59' 27.473" E	34° 35' 20.163" N
PHC	AD	Ajas	74° 40' 44.037" E	34° 19' 37.129" N
PHC	PHC	Nowgam	74° 36' 6.488" E	34° 12' 45.679" N
PHC	AD	Amchankundal	74° 36' 28.247" E	34° 15' 26.253" N
PHC	PHC	Naidkhai	74° 34' 25.583" E	34° 14' 32.181" N
PHC	PHC	Hajin	74° 37' 5.218" E	34° 17' 38.589" N
PHC	AD	Badugam	75° 3' 14.696" E	34° 33' 27.658" N
SC	SC	Garoorra	74° 40' 31.290" E	34° 22' 2.600" N
SC	SC	Dadpora	74° 41' 31.099" E	34° 22' 24.653" N
SC	SC	Naidhal	74° 39' 22.221" E	34° 23' 36.445" N
SC	SC	Ahamsharief	74° 39' 38.747" E	34° 26' 48.902" N
SC	SC	Sunderwani	74° 38' 48.920" E	34° 26' 36.700" N
SC	SC	Watpora	74° 36' 46.440" E	34° 25' 20.593" N
SC	SC	Aloosa	74° 32' 49.070" E	34° 25' 32.838" N
SC	SC	Lawaypora	74° 37' 40.120" E	34° 26' 28.590" N
SC	SC	ARIN Daradpora	74° 42' 39.677" E	34° 25' 43.713" N
SC	SC	Kulhama	74° 38' 48.570" E	34° 23' 6.640" N
SC	SC	Laharwarpora	74° 35' 9.781" E	34° 24' 27.370" N
SC	SC	Binlipora	74° 31' 23.368" E	34° 25' 58.700" N
SC	SC	Ketson	74° 30' 24.980" E	34° 26' 56.063" N
SC	SC	Doban	74° 35' 51.341" E	34° 26' 54.047" N
SC	MAC	Malangam	74° 33' 14.937" E	34° 26' 40.287" N
SC	SC	Bankoot	74° 40' 5.402" E	34° 28' 8.507" N
SC	SC	Athwato	74° 41' 59.039" E	34° 29' 27.390" N
SC	SC	Gamroo	74° 39' 29.753" E	34° 24' 23.211" N
SC	SC	Kanzalwan	74° 42' 1.277" E	34° 38' 38.972" N
SC	SC	Baduab	75° 10' 25.266" E	34° 31' 46.695" N
SC	MAC	Budwan	74° 47' 28.258" E	34° 38' 35.113" N
SC	SC	Chorwan	74° 53' 49.198" E	34° 39' 6.701" N
SC	SC	Hussangam	75° 7' 38.003" E	34° 32' 3.046" N
SC	MAC	Gujran	75° 14' 48.379" E	34° 32' 19.345" N
SC	SC	Panzinara	74° 42' 5.990" E	34° 8' 55.048" N
SC	SC	Dangerpora	74° 41' 34.593" E	34° 9' 29.126" N
SC	SC	Trigam	74° 40' 23.344" E	34° 10' 31.938" N
SC	SC	Malikpora	74° 39' 35.382" E	34° 9' 56.945" N
SC	SC	Zalpora	74° 35' 5.594" E	34° 13' 30.501" N
SC	SC	Asham	74° 37' 32.855" E	34° 15' 1.424" N
SC	SC	Prung	74° 38' 1.178" E	34° 19' 42.573" N
SC	SC	Madwan	74° 37' 32.106" E	34° 19' 49.457" N
SC	SC	Hakbara	74° 37' 24.603" E	34° 16' 44.752" N
SC	SC	Gund Jahangir	74° 33' 2.013" E	34° 15' 50.540" N
SC	SC	Mukdamyari	74° 35' 36.768" E	34° 20' 21.805" N
SC	MAC	Saidnara	74° 38' 57.231" E	34° 19' 8.970" N

SC	SC	Nasbal	74° 39' 4.277" E	34° 13' 56.751" N
SC	SC	Chewa	74° 40' 22.541" E	34° 16' 55.149" N
SC	SC	S K Payeen	74° 39' 48.360" E	34° 21' 22.844" N
SC	MAC	S K BALA	74° 39' 14.179" E	34° 18' 7.779" N

Table 10: Health facilities in Baramulla District

BARAMULLA				
HF_TYPE	Org_HFT	LOCATION	Longitude	Latitude
CHC	SDH	Sopore (TC)	74° 27' 53.495" E	34° 17' 10.763" N
CHC	CHC	Kreri	74° 28' 23.436" E	34° 10' 16.425" N
CHC	SDH	Pattan	74° 33' 13.469" E	34° 9' 36.647" N
CHC	CHC	Chandusa	74° 23' 22.659" E	34° 9' 2.699" N
CHC	SDH	Uri (NAC)	74° 3' 23.038" E	34° 4' 58.090" N
CHC	CHC	Tangmarg	74° 25' 28.841" E	34° 3' 37.703" N
PHC	AD	Rampora Rajpur	74° 28' 13.348" E	34° 24' 44.895" N
PHC	AD	Botingu	74° 30' 10.518" E	34° 21' 49.694" N
PHC	PHC	Tujar Sharif	74° 24' 15.555" E	34° 22' 39.824" N
PHC	PHC	Doru	74° 27' 45.722" E	34° 20' 59.465" N
PHC	PHC	Bumai	74° 25' 34.313" E	34° 21' 54.038" N
PHC	PHC	Dangi Wachha	74° 20' 48.672" E	34° 19' 0.108" N
PHC	PHC	Hachivi Pora	74° 17' 25.141" E	34° 18' 6.381" N
PHC	AD	Achha Bal	74° 24' 22.439" E	34° 16' 47.800" N
PHC	PHC	Ruhama	74° 21' 13.487" E	34° 16' 35.224" N
PHC	PHC	Ludura	74° 23' 46.628" E	34° 15' 24.582" N
PHC	PHC	Tarazuea	74° 29' 49.742" E	34° 16' 20.389" N
PHC	AD	Bata Pora Najar	74° 19' 54.689" E	34° 16' 30.319" N
PHC	PHC	Panzala Gund Bal	74° 17' 31.601" E	34° 16' 35.717" N
PHC	SHC	Balhama Thakan Pora	74° 15' 45.264" E	34° 16' 0.817" N
PHC	AD	Shitlu	74° 19' 4.500" E	34° 15' 23.033" N
PHC	PHC	Dilna	74° 24' 59.387" E	34° 14' 15.351" N
PHC	PHC	Khai Tangan	74° 24' 16.903" E	34° 11' 10.917" N
PHC	AD	Palhallan	74° 32' 59.876" E	34° 10' 48.897" N
PHC	PHC	Wani Gam Pain	74° 30' 11.462" E	34° 10' 0.112" N
PHC	AD	Wari Pora Pain	74° 29' 5.020" E	34° 9' 47.732" N
PHC	AD	Bahram Pora	74° 29' 28.519" E	34° 7' 32.215" N
PHC	AD	Heewen	74° 20' 6.923" E	34° 10' 15.087" N
PHC	PHC	Siri Wara Pora	74° 31' 45.748" E	34° 8' 14.990" N
PHC	AD	Kachumuqam	74° 24' 32.916" E	34° 8' 46.388" N
PHC	PHC	Fatehghadh	74° 19' 20.275" E	34° 10' 26.561" N
PHC	PHC	Kalantra Bala	74° 24' 19.830" E	34° 7' 37.304" N
PHC	PHC	Gund Khawja Kasim	74° 36' 20.744" E	34° 7' 30.919" N
PHC	PHC	Wari Khah	74° 11' 25.783" E	34° 9' 18.736" N
PHC	AD	Mamoosa	74° 32' 14.382" E	34° 6' 50.951" N
PHC	PHC	Biji Hama	74° 5' 45.165" E	34° 9' 23.826" N

PHC	AD	Bandi Pain	74° 23' 57.288" E	34° 7' 42.295" N
PHC	PHC	Gul Afshan (Mulagam)	74° 29' 13.421" E	34° 5' 33.529" N
PHC	PHC	Kunzer (NAC)	74° 30' 1.240" E	34° 5' 6.035" N
PHC	PHC	Boniyar	74° 10' 47.966" E	34° 8' 14.219" N
PHC	PHC	Dhani Saidan	74° 4' 6.905" E	34° 8' 11.644" N
PHC	PHC/AD	Hari Utnu	74° 27' 9.228" E	34° 5' 8.419" N
PHC	PHC	Sheeri	74° 18' 33.479" E	34° 10' 59.391" N
PHC	AD	Hardu Kamal Koote	73° 58' 23.155" E	34° 7' 49.091" N
PHC	PHC	Sultan Daki	73° 59' 22.117" E	34° 7' 1.298" N
PHC	PHC	Mohara	74° 3' 17.575" E	34° 4' 32.743" N
PHC	PHC	Gulmarg (NAC)	74° 23' 44.914" E	34° 3' 5.749" N
PHC	AD	Isham	73° 57' 18.832" E	34° 5' 52.429" N
PHC	AD	Ghar Kote	74° 4' 39.386" E	34° 4' 45.639" N
PHC	AD	Tirkanjan	74° 11' 40.070" E	34° 6' 18.505" N
PHC	PHC	Hardshiu	74° 27' 9.933" E	34° 22' 10.739" N
PHC	AD	Babarishi	74° 23' 34.845" E	34° 4' 43.138" N
PHC	PHC	Khor	74° 34' 31.150" E	34° 7' 41.461" N
PHC	PHC	Shrakwara	74° 26' 44.360" E	34° 11' 43.406" N
PHC	PHC	Hardbora(C)	74° 31' 59.715" E	34° 3' 24.208" N
PHC	AD	Noorkhah	74° 6' 55.712" E	34° 9' 4.289" N
PHC	AD	Nambla	74° 6' 16.451" E	34° 4' 22.996" N
PHC	AD	Doabgah	74° 24' 55.487" E	34° 16' 8.434" N
PHC	SHC	Singhpora	74° 36' 59.836" E	34° 8' 45.908" N
SC	SC	Harwan	74° 23' 47.888" E	34° 23' 51.107" N
SC	SC	Muqam Shaheed Mir	74° 29' 45.624" E	34° 22' 35.199" N
SC	SC	Yamberzal Wari	74° 24' 59.005" E	34° 24' 20.421" N
SC	SC	Watlab	74° 31' 1.338" E	34° 22' 1.367" N
SC	SC	Sagi Pora	74° 21' 22.364" E	34° 24' 26.186" N
SC	SC	Mala Pora Panditan	74° 24' 29.142" E	34° 22' 3.419" N
SC	SC	Wara Pora	74° 28' 54.578" E	34° 20' 11.176" N
SC	SC	Said Pora	74° 27' 27.348" E	34° 19' 9.496" N
SC	SC	Seelo	74° 25' 21.191" E	34° 19' 57.572" N
SC	SC	Hib Danger Pora	74° 24' 34.340" E	34° 19' 13.220" N
SC	SC	Raban Ranahama	74° 25' 16.026" E	34° 18' 0.523" N
SC	SC	Chitlora	74° 23' 53.370" E	34° 18' 30.649" N
SC	SC	Malguinipur/Gund	74° 23' 19.150" E	34° 20' 50.638" N
SC	SC	Adi Pora	74° 29' 20.574" E	34° 18' 14.581" N
SC	SC	Danger Pora	74° 27' 46.769" E	34° 20' 1.760" N
SC	SC	Watra Gam Pain	74° 22' 21.589" E	34° 19' 9.996" N
SC	MAC	Hadi Pora	74° 23' 28.044" E	34° 17' 41.257" N
SC	SC	Laisar	74° 22' 12.939" E	34° 17' 54.128" N
SC	SC	Rawchha	74° 19' 55.662" E	34° 18' 33.596" N
SC	SC	Fider Pora	74° 19' 26.711" E	34° 17' 51.818" N
SC	SC	Sonian Saidnar	74° 18' 54.224" E	34° 17' 50.226" N
SC	SC	Sheka Pora	74° 17' 18.045" E	34° 17' 51.184" N

SC	SC	Sare Para Budan	74° 21' 40.243" E	34° 17' 19.887" N
SC	SC	Pakhwara	74° 14' 45.935" E	34° 17' 53.509" N
SC	SC	Chij Hama	74° 22' 20.060" E	34° 17' 7.000" N
SC	SC	Zethan	74° 15' 33.693" E	34° 18' 25.212" N
SC	SC	Kungrusa	74° 15' 19.830" E	34° 18' 4.656" N
SC	SC	Wari Pora	74° 19' 14.227" E	34° 18' 19.949" N
SC	SC	Seer Jagir	74° 27' 39.748" E	34° 16' 38.310" N
SC	SC	Wan Pora	74° 19' 29.967" E	34° 16' 37.602" N
SC	SC	Khushi Pora	74° 19' 2.418" E	34° 16' 40.236" N
SC	SC	Chatusa	74° 15' 47.906" E	34° 17' 23.014" N
SC	SC	Hunru	74° 14' 22.146" E	34° 18' 6.978" N
SC	SC	Patusa	74° 18' 43.582" E	34° 16' 30.834" N
SC	SC	Pazwal Pora	74° 15' 51.181" E	34° 16' 44.912" N
SC	SC	Trega Pora	74° 22' 37.943" E	34° 16' 38.415" N
SC	SC	Krank Village	Shivan 74° 28' 57.051" E	34° 15' 0.748" N
SC	SC	Kitar Daji	74° 13' 52.122" E	34° 17' 34.966" N
SC	SC	Waluthra	74° 17' 29.228" E	34° 15' 36.724" N
SC	SC	Wagub	74° 28' 41.630" E	34° 14' 46.413" N
SC	SC	Lalad	74° 27' 11.972" E	34° 14' 55.658" N
SC	SC	Path Kah Muqam	74° 27' 24.914" E	34° 13' 45.589" N
SC	SC	Sangrama	74° 27' 4.139" E	34° 14' 38.829" N
SC	SC	Tramba Gund	74° 30' 6.299" E	34° 13' 58.353" N
SC	SC	Bulagam	74° 29' 17.689" E	34° 13' 50.617" N
SC	SC	Chaklu	74° 23' 1.574" E	34° 14' 27.748" N
SC	SC	Indir Gam	74° 31' 41.292" E	34° 12' 16.485" N
SC	SC	Nowpora Jagir	74° 26' 11.974" E	34° 17' 51.806" N
SC	SC	Braman	74° 15' 42.796" E	34° 14' 29.417" N
SC	SC	Hamray(Hamari)	74° 30' 41.854" E	34° 12' 42.074" N
SC	SC	Brana Dab	74° 17' 4.996" E	34° 15' 0.909" N
SC	SC	Khah Moh	74° 17' 15.258" E	34° 14' 31.311" N
SC	SC	Pochanag	74° 29' 13.075" E	34° 12' 7.785" N
SC	SC	Taper Wari Pora	74° 30' 35.567" E	34° 12' 16.095" N
SC	SC	Khadaniar	74° 17' 37.827" E	34° 11' 33.646" N
SC	SC	Paki Pora	74° 31' 21.221" E	34° 9' 54.754" N
SC	SC	Wanigam Bala	74° 30' 44.856" E	34° 10' 22.995" N
SC	SC	Rasri Pora	74° 29' 56.060" E	34° 8' 51.985" N
SC	SC	Gohan Lari Jungle	74° 22' 18.136" E	34° 10' 22.885" N
SC	SC	Tilagam	74° 28' 39.375" E	34° 9' 6.519" N
SC	SC	Haji Bal	74° 17' 45.168" E	34° 13' 13.195" N
SC	SC	Dard Pora	74° 27' 37.590" E	34° 9' 1.262" N
SC	SC	Mati Pora	74° 37' 12.263" E	34° 8' 16.908" N
SC	SC	Nihal Pora	74° 31' 29.748" E	34° 8' 56.935" N
SC	SC	Harnara	74° 36' 50.089" E	34° 10' 20.975" N
SC	SC	Frasta Har Tillagam	74° 28' 21.656" E	34° 9' 36.454" N
SC	SC	Watra Gam	74° 26' 48.363" E	34° 10' 20.655" N
SC	SC	Wulraman	74° 23' 33.513" E	34° 10' 4.039" N

SC	SC	Mana Gam	74° 25' 17.851" E	34° 9' 23.897" N
SC	SC	Chukar	74° 30' 24.537" E	34° 7' 27.497" N
SC	SC	Ganta Moola Bala	74° 15' 14.093" E	34° 10' 15.671" N
SC	SC	Khanpeth	74° 37' 22.608" E	34° 9' 30.369" N
SC	SC	Kitcha Hama	74° 17' 9.861" E	34° 10' 26.742" N
SC	SC	Pahli Pora	74° 13' 8.212" E	34° 11' 28.731" N
SC	SC	Sheikh Pora	74° 26' 13.454" E	34° 8' 36.973" N
SC	SC	Sheer Pora Bangil	74° 33' 35.820" E	34° 7' 49.609" N
SC	SC	Mayan	74° 19' 37.337" E	34° 6' 5.659" N
SC	SC	Chack Charat Ram	74° 29' 18.175" E	34° 6' 27.099" N
SC	SC	Harnow Kawachak	74° 27' 2.362" E	34° 9' 7.275" N
SC	SC	Nowlari	74° 34' 39.809" E	34° 7' 19.898" N
SC	SC	Limber	74° 10' 44.685" E	34° 9' 42.372" N
SC	SC	Gulistan (Hardukhel)	74° 18' 37.128" E	34° 9' 10.891" N
SC	SC	Shumlaran	74° 22' 26.804" E	34° 8' 42.099" N
SC	SC	Goom Ahmad Pora	74° 34' 45.431" E	34° 6' 10.417" N
SC	SC	Ranbirgarh	74° 41' 22.876" E	34° 8' 9.598" N
SC	SC	Kati Bug	74° 30' 1.051" E	34° 6' 18.013" N
SC	SC	Yal	74° 31' 4.746" E	34° 7' 4.429" N
SC	SC	Khai Pora Payin	74° 26' 21.706" E	34° 7' 48.690" N
SC	SC	Hardu Shuru	74° 28' 48.897" E	34° 7' 1.105" N
SC	SC	Chana Bal	74° 38' 42.125" E	34° 8' 13.344" N
SC	SC	Muqam Piran	74° 3' 57.386" E	34° 10' 4.252" N
SC	SC	Aram Pora	74° 37' 13.560" E	34° 7' 46.181" N
SC	SC	Nalusah	74° 6' 6.924" E	34° 9' 21.515" N
SC	SC	Hundi Noweshera	74° 13' 38.894" E	34° 9' 19.694" N
SC	SC	Kohlina	74° 23' 22.359" E	34° 7' 32.133" N
SC	SC	Krishama	74° 30' 51.395" E	34° 6' 34.208" N
SC	SC	Duda Bug	74° 22' 11.594" E	34° 7' 0.769" N
SC	SC	Gingal	74° 6' 23.868" E	34° 8' 6.885" N
SC	SC	Gul Neelofar (Kralawat)	74° 28' 51.250" E	34° 6' 12.615" N
SC	SC	Dewa Bug	74° 30' 1.078" E	34° 5' 42.756" N
SC	SC	Rawat Pora	74° 27' 49.906" E	34° 6' 4.542" N
SC	SC	Nalasar (Nilser)	74° 22' 39.867" E	34° 6' 28.570" N
SC	SC	Lal Pora	74° 32' 36.354" E	34° 6' 14.092" N
SC	SC	Zamboor Pattan	74° 2' 4.076" E	34° 9' 4.439" N
SC	SC	Gul Sawam (Hardu Ichlu)	74° 26' 7.507" E	34° 6' 20.940" N
SC	SC	Archander Hama	74° 36' 37.211" E	34° 6' 45.456" N
SC	SC	Nagbal	74° 23' 8.907" E	34° 6' 15.168" N
SC	SC	Mang Lara	74° 31' 27.638" E	34° 5' 23.881" N
SC	SC	Bandi Bala	74° 22' 17.979" E	34° 6' 2.925" N
SC	SC	Karamdhar	74° 35' 18.375" E	34° 7' 6.616" N
SC	SC	Agar Kallan	74° 36' 12.300" E	34° 5' 58.053" N
SC	SC	Reram	74° 28' 55.818" E	34° 4' 40.539" N

SC	MAC	Chollan Kalsan	74° 3' 34.199" E	34° 8' 33.077" N
SC	SC	Druru	74° 28' 3.727" E	34° 4' 24.209" N
SC	SC	Sukhdar	74° 2' 9.076" E	34° 3' 50.165" N
SC	SC	Ogmuna	74° 30' 37.672" E	34° 3' 53.073" N
SC	SC	Dachi	74° 1' 18.015" E	34° 6' 28.429" N
SC	SC	Bande	73° 58' 47.603" E	34° 6' 49.354" N
SC	SC	Paran Pilan	74° 3' 12.400" E	34° 6' 41.620" N
SC	SC	Feroz Pora	74° 25' 59.690" E	34° 3' 15.585" N
SC	SC	Chandil (Wani Gam)	74° 29' 11.140" E	34° 3' 12.229" N
SC	SC	Basgran	74° 0' 17.117" E	34° 6' 54.496" N
SC	SC	Gogal Dara	74° 28' 35.066" E	34° 1' 19.605" N
SC	SC	Zahid Bag (Gund Dalwach)	74° 32' 8.565" E	34° 2' 54.366" N
SC	SC	Larik Pora	74° 32' 35.722" E	34° 2' 22.534" N
SC	SC	Badra Kot	74° 27' 30.835" E	34° 2' 30.820" N
SC	SC	Buna Sharan	74° 32' 9.380" E	34° 2' 11.532" N
SC	SC	Barn Bat	73° 56' 18.421" E	34° 5' 24.321" N
SC	SC	Gavalata	73° 55' 57.633" E	34° 4' 37.846" N
SC	SC	Salam Abad	74° 1' 25.068" E	34° 5' 21.255" N
SC	MAC	Now Pora	74° 1' 54.077" E	34° 5' 16.137" N
SC	MAC	Maidanan	74° 11' 35.400" E	34° 4' 17.431" N
SC	MAC	Bal Koote	74° 5' 21.896" E	34° 3' 8.147" N
SC	SC	Hathlanga	74° 5' 37.258" E	34° 2' 24.982" N
SC	MAC	Salli Koot	74° 4' 54.870" E	34° 2' 30.386" N
SC	SC	Khawaja Bagh	74° 22' 27.308" E	34° 12' 57.207" N
SC	SC	Brat Kalan	74° 26' 58.064" E	34° 19' 34.213" N
SC	SC	Old Town Bara	74° 20' 38.234" E	34° 12' 45.580" N
SC	SC	Kanisipur	74° 24' 20.768" E	34° 13' 35.877" N
SC	SC	Ushkura	74° 21' 51.498" E	34° 11' 48.695" N
SC	MAC	Sangri	74° 19' 51.574" E	34° 11' 38.271" N
SC	SC	Khanpora	74° 19' 36.201" E	34° 12' 27.969" N
SC	SC	Linen	74° 18' 18.426" E	34° 4' 4.793" N
SC	MAC	Gohalan	74° 0' 48.110" E	34° 3' 2.796" N
SC	SC	Churnda	74° 3' 43.524" E	34° 2' 31.421" N
SC	SC	Badarali	74° 9' 26.673" E	34° 10' 46.212" N
SC	SC	Zahampora	74° 15' 53.057" E	34° 11' 14.125" N
SC	SC	Laridura	74° 21' 3.426" E	34° 8' 26.715" N
SC	SC	Zandfaran	74° 18' 5.525" E	34° 10' 19.815" N
SC	SC	Uplana	74° 23' 50.978" E	34° 12' 4.042" N
SC	SC	Binyar	74° 21' 0.088" E	34° 14' 14.713" N
SC	SC	Vankeri	74° 19' 47.325" E	34° 14' 19.637" N
SC	SC	Dewar	74° 38' 27.789" E	34° 8' 59.019" N
SC	SC	Nambilnar	74° 24' 21.458" E	34° 6' 7.972" N
SC	SC	Pinyura(Pinjora)	74° 33' 31.045" E	34° 4' 27.561" N
SC	SC	Chinad	74° 26' 26.154" E	34° 14' 18.494" N
SC	SC	Juhom	74° 23' 34.780" E	34° 14' 59.238" N
SC	MAC	Naid Hal	74° 22' 22.627" E	34° 15' 32.137" N

SC	MAC	Lachipora	74° 5' 15.379" E	34° 11' 36.701" N
SC	SC	Drag	74° 25' 15.087" E	34° 2' 48.719" N
SC	SC	Badambagh	74° 26' 9.716" E	34° 16' 56.816" N
SC	SC	Nowhamam	74° 28' 16.613" E	34° 16' 55.368" N
SC	SC	Hartar	74° 31' 26.046" E	34° 15' 41.622" N
SC	SC	K. Colony	74° 28' 13.915" E	34° 15' 57.548" N
SC	SC	Chandanwari	74° 7' 10.469" E	34° 8' 42.293" N
SC	SC	Deoband A	74° 32' 43.021" E	34° 5' 35.780" N
SC	SC	Deoband B	74° 33' 20.313" E	34° 5' 32.668" N
SC	SC	Wadura	74° 23' 59.589" E	34° 20' 41.194" N
SC	SC	Uthura	74° 28' 3.848" E	34° 12' 40.616" N
SC	SC	Masjid Angan	74° 23' 43.747" E	34° 9' 30.031" N
SC	SC	Yedidpora	74° 32' 0.065" E	34° 11' 13.976" N
SC	SC	Ghat Gopalan	74° 34' 49.674" E	34° 12' 2.474" N
SC	SC	Gohal Tengpora	74° 34' 24.864" E	34° 11' 21.520" N
SC	SC	Mundyari	74° 34' 49.799" E	34° 10' 35.537" N
SC	SC	Hathishah	74° 28' 37.879" E	34° 17' 2.308" N
SC	SC	Zogwyar	74° 18' 40.598" E	34° 10' 32.909" N
SC	SC	Wanyul	74° 24' 49.942" E	34° 6' 16.726" N
SC	SC	Shirpora	74° 22' 56.181" E	34° 8' 12.022" N
SC	SC	Chak Gujree/Sultanpur	74° 25' 14.609" E	34° 17' 38.685" N
SC	SC	Mothal	74° 4' 44.053" E	34° 5' 17.452" N
SC	SC	Drangbal	74° 24' 41.916" E	34° 2' 16.383" N
SC	SC	Malwa	74° 32' 2.371" E	34° 2' 31.000" N
SC	SC	Palhalan	74° 32' 38.957" E	34° 10' 56.573" N
SC	SC	Bernate	74° 11' 49.419" E	34° 5' 48.180" N

Table 11: Health facilities in Ganderbal District

GANDERBAL				
HF_TYPE	Org_HFT	LOCATION	Longitude	Latitude
CHC	SDH	Ganderbal (NAC)	74°46' 18.918" E	34° 12' 56.614" N
CHC	SDH	Kangan	74° 54' 5.780" E	34° 15' 50.676" N
PHC	AD	Wangat	74° 56' 43.951" E	34° 19' 29.665" N
PHC	AD	Gagangir	75° 11' 50.069" E	34° 17' 17.585" N
PHC	AD	Preng(Palang)	74° 52' 11.125" E	34° 17' 2.312" N
PHC	AD	Gotli Bagh	74° 49' 24.613" E	34° 16' 44.699" N
PHC	AD	Cheerwan	74° 56' 46.373" E	34° 14' 38.879" N
PHC	AD	Nunner	74° 47' 20.514" E	34° 15' 24.576" N
PHC	AD	Kondabal	74° 40' 58.217" E	34° 14' 56.303" N
PHC	MMC	Wayil	74° 48' 11.872" E	34° 16' 19.774" N
PHC	MMC	Wataral	74° 45' 52.076" E	34° 16' 4.920" N

PHC	PHC	Chhatergul Payeen	74° 52' 3.149" E	34° 18' 4.007" N
PHC	PHC	Sonamarg	75° 17' 51.706" E	34° 18' 9.404" N
PHC	PHC	Wussan	74° 50' 38.008" E	34° 17' 15.172" N
PHC	PHC	Manigam	74° 47' 57.756" E	34° 16' 55.499" N
PHC	PHC	Kullan	75° 9' 16.091" E	34° 16' 11.120" N
PHC	PHC	Lar	74° 45' 19.596" E	34° 15' 24.089" N
PHC	PHC	Gund	75° 5' 34.216" E	34° 15' 31.022" N
PHC	PHC	Tulmulla	74° 43' 58.071" E	34° 13' 18.041" N
PHC	PHC	Hari Ganiwan	75° 1' 4.279" E	34° 13' 34.950" N
PHC	PHC	Batvena	74° 40' 21.721" E	34° 12' 55.136" N
PHC	PHC	Wakura	74° 41' 53.397" E	34° 12' 38.607" N
PHC	PHC	Chhandina	74° 43' 28.759" E	34° 10' 28.123" N
PHC	PHC	Shuhama	74° 49' 44.396" E	34° 11' 22.237" N
PHC	PHC	Safapora	74° 39' 55.721" E	34° 15' 42.815" N
PHC	PHC	Kachhan	74° 45' 26.460" E	34° 11' 30.510" N
PHC	PHC	Babanagri	74° 54' 27.067" E	34° 17' 29.689" N
SC	FAC	Guzhama	74° 40' 8.909" E	34° 12' 29.395" N
SC	FAC	Dab	74° 41' 11.453" E	34° 11' 42.405" N
SC	MAC	Nilagrar	75° 19' 49.383" E	34° 17' 27.306" N
SC	MAC	Khanan	74° 55' 43.411" E	34° 18' 4.971" N
SC	MCW	Gobal	74° 53' 30.657" E	34° 16' 54.321" N
SC	SC	Anderwan	74° 48' 41.565" E	34° 18' 44.278" N
SC	SC	Hari Pora	74° 49' 18.620" E	34° 17' 18.726" N
SC	SC	Chunt Valiwar	74° 44' 32.630" E	34° 16' 58.359" N
SC	SC	Yangoora	74° 42' 7.715" E	34° 14' 32.247" N
SC	SC	Barsoo	74° 43' 10.422" E	34° 14' 24.980" N
SC	SC	Sarich Chodri Bagh	74° 46' 46.107" E	34° 14' 36.468" N
SC	SC	Sumbal	75° 3' 28.048" E	34° 13' 59.041" N
SC	SC	Kurhama	74° 42' 33.097" E	34° 14' 4.290" N
SC	SC	Thune	74° 57' 58.975" E	34° 14' 20.086" N
SC	SC	Bandi Bagh	74° 47' 25.192" E	34° 14' 17.052" N
SC	SC	Zazna	74° 41' 3.317" E	34° 13' 47.678" N
SC	SC	Mammer	74° 59' 36.329" E	34° 13' 53.558" N
SC	SC	Saloor	74° 45' 34.147" E	34° 12' 22.614" N
SC	SC	Korag	74° 42' 18.584" E	34° 12' 11.744" N
SC	SC	Khalmulla	74° 49' 0.122" E	34° 11' 57.722" N
SC	SC	Gogji Gund	74° 42' 52.844" E	34° 11' 4.284" N
SC	SC	Hakim Gund	74° 45' 4.178" E	34° 11' 10.877" N
SC	SC	Narayan Bagh	74° 40' 39.964" E	34° 11' 8.079" N
SC	SC	Harran	74° 45' 50.022" E	34° 11' 14.437" N
SC	SC	Bakura	74° 50' 21.293" E	34° 11' 11.296" N
SC	SC	Shallabugh	74° 44' 11.599" E	34° 10' 2.114" N
SC	SC	Gadura	74° 46' 47.182" E	34° 10' 40.783" N
SC	SC	Gund Rahman	74° 46' 4.303" E	34° 11' 8.112" N
SC	SC	Pandach	74° 48' 18.084" E	34° 11' 23.769" N
SC	SC	Naranag	74° 58' 23.331" E	34° 21' 6.825" N

SC	SC	Chhatergul Bala	74° 51' 57.562" E	34° 18' 49.428" N
SC	SC	Buta Kulan	75° 8' 12.792" E	34° 15' 24.356" N
SC	SC	Banibagh	74° 57' 21.680" E	34° 14' 22.067" N
SC	SC	Kachpathri	74° 59' 43.887" E	34° 15' 22.221" N
SC	SC	Gulabbagh	74° 49' 5.425" E	34° 10' 57.109" N
SC	SC	Baderkund	74° 48' 0.631" E	34° 14' 16.215" N
SC	SC	Arch	74° 46' 12.448" E	34° 14' 25.441" N
SC	SC	Thuroo	74° 45' 9.199" E	34° 13' 56.030" N
SC	SC	Rezan	75° 10' 50.902" E	34° 16' 23.322" N
SC	SC	Sorafraw	75° 2' 28.936" E	34° 13' 0.312" N
SC	SC	Tangchatter	74° 55' 20.012" E	34° 14' 47.917" N
SC	SC	Poshkar	74° 55' 23.524" E	34° 17' 26.319" N
SC	SC	Chinner	74° 51' 49.074" E	34° 17' 22.755" N
SC	SC	Pethpora	74° 52' 28.146" E	34° 18' 44.430" N
SC	SC	Managam	74° 51' 26.997" E	34° 17' 48.462" N
SC	SC	Bela Wussan	74° 50' 31.287" E	34° 16' 55.064" N
SC	SC	Bonizel	74° 49' 56.660" E	34° 17' 46.312" N

Table 12: Health facilities in Kulgam district

KULGAM				
Hf_type	Org_HFT	LOCATION	Longitude	Latitude
CHC	SDH	Damhal Hanzpur	74° 55' 44.277" E	33° 36' 46.562" N
CHC	DH	Kulgam	75° 1' 28.086" E	33° 38' 47.963" N
CHC	SDH	Yaripur	75° 1' 12.390" E	33° 43' 22.463" N
PHC	PHC	Waitiyung	75° 7' 14.252" E	33° 33' 26.288" N
PHC	PHC	Ruzul	75° 7' 2.462" E	33° 34' 47.889" N
PHC	AD	Nagum	74° 57' 34.926" E	33° 34' 53.435" N
PHC	AD	Ahmedabad	74° 57' 16.680" E	33° 35' 47.945" N
PHC	PHC	Khur Batapur	74° 53' 51.301" E	33° 36' 39.043" N
PHC	PHC	Sadwar	74° 57' 21.813" E	33° 36' 57.163" N
PHC	AD	Gudar	74° 58' 22.512" E	33° 37' 8.945" N
PHC	PHC	Manzgam	74° 51' 26.992" E	33° 37' 13.750" N
PHC	AD	Tsaugam	75° 6' 51.823" E	33° 37' 25.726" N
PHC	PHC	Petha Deosar	75° 3' 51.095" E	33° 38' 3.411" N
PHC	PHC	Noham	74° 53' 45.402" E	33° 38' 9.726" N
PHC	PHC	Pahal	75° 3' 5.874" E	33° 38' 13.446" N
PHC	PHC	Kelam	75° 5' 12.992" E	33° 39' 13.999" N
PHC	AD	Tsund	75° 2' 54.929" E	33° 40' 33.610" N
PHC	PHC	Mohandpur	74° 58' 36.529" E	33° 40' 47.802" N
PHC	PHC	Katarus	74° 59' 54.147" E	33° 41' 12.678" N
PHC	PHC	Bugam	75° 1' 43.800" E	33° 41' 20.271" N
PHC	AD	TN Pora	75° 3' 48.340" E	33° 41' 40.955" N
PHC	PHC	Wehabagh	74° 58' 18.624" E	33° 42' 28.923" N

PHC	PHC	Tarigam	75° 2' 20.574" E	33° 42' 29.786" N
PHC	PHC	Kaimuh	75° 5' 5.785" E	33° 43' 9.437" N
PHC	PHC	LG PORA	75° 6' 52.461" E	33° 43' 30.384" N
PHC	AD	Kujur	75° 3' 21.798" E	33° 44' 41.478" N
PHC	PHC	Prisal	75° 2' 41.026" E	33° 45' 29.405" N
SC	SC	Dandhvor	75° 2' 33.412" E	33° 32' 24.521" N
SC	SC	Hampathar	74° 59' 35.123" E	33° 32' 46.269" N
SC	SC	Dragaran	74° 57' 37.682" E	33° 33' 10.366" N
SC	SC	Sielkhaiayan	74° 56' 19.133" E	33° 33' 25.382" N
SC	SC	Oriyl	75° 8' 18.999" E	33° 33' 35.853" N
SC	SC	Nandmarg	74° 56' 41.771" E	33° 33' 46.625" N
PHC	SHC	Danau Kandimarg	74° 58' 41.931" E	33° 33' 53.259" N
SC	SC	Tsimar	74° 59' 44.721" E	33° 34' 4.191" N
SC	SC	Kantsiloo	75° 7' 56.051" E	33° 34' 18.569" N
SC	SC	Yari Kha	74° 55' 25.874" E	33° 34' 52.550" N
SC	SC	Nagrad	75° 8' 43.858" E	33° 35' 5.066" N
SC	MAC	Brinyal	75° 5' 21.420" E	33° 35' 5.376" N
SC	SC	Rengath	74° 59' 12.203" E	33° 35' 24.488" N
SC	SC	Lamar	75° 5' 0.649" E	33° 35' 26.424" N
SC	SC	Babpur	74° 59' 2.594" E	33° 35' 48.494" N
SC	SC	Akhahal	75° 3' 10.415" E	33° 36' 19.560" N
SC	SC	Churat	75° 7' 59.755" E	33° 36' 34.966" N
SC	SC	Halan	74° 50' 34.078" E	33° 36' 40.085" N
SC	SC	Dardgund	75° 4' 11.765" E	33° 36' 52.776" N
SC	SC	L_Pambay	75° 2' 51.983" E	33° 36' 59.721" N
SC	SC	Gandawun	74° 54' 11.413" E	33° 37' 2.692" N
SC	SC	Layus	74° 57' 11.337" E	33° 37' 25.422" N
SC	MAC	Chammgund	75° 1' 56.193" E	33° 37' 40.216" N
SC	SC	Chogalpur	74° 52' 54.719" E	33° 37' 46.391" N
SC	SC	Isthil	74° 59' 11.893" E	33° 37' 48.263" N
SC	SC	Gosarun	75° 2' 6.029" E	33° 37' 50.567" N
SC	SC	Sopat	75° 6' 18.219" E	33° 37' 57.835" N
SC	SC	Chehlan	74° 59' 30.581" E	33° 38' 16.971" N
SC	SC	Arapur	75° 2' 14.048" E	33° 38' 24.232" N
SC	SC	Gopalpore	74° 55' 35.656" E	33° 38' 25.508" N
SC	SC	Lakirpur	74° 53' 31.688" E	33° 38' 29.574" N
SC	SC	Zungalpur	75° 3' 45.934" E	33° 38' 38.946" N
SC	SC	Mirahom	74° 57' 56.468" E	33° 38' 41.606" N
SC	MAC	Tangimarg	74° 47' 59.809" E	33° 38' 45.194" N
SC	SC	Begam	74° 56' 26.674" E	33° 39' 19.454" N
SC	SC	Chakapur	75° 3' 25.007" E	33° 39' 35.914" N
SC	SC	Haiblish	75° 6' 20.330" E	33° 39' 37.552" N
SC	SC	Sangus	75° 0' 55.437" E	33° 39' 40.533" N
SC	SC	Wokai	74° 58' 35.881" E	33° 39' 42.211" N
SC	SC	Shurat	75° 2' 16.954" E	33° 39' 50.001" N
SC	SC	Zaripur	75° 3' 7.232" E	33° 40' 5.450" N

SC	SC	Kanyipur	75° 2' 7.071" E	33° 40' 12.063" N
SC	SC	Nowgam	75° 7' 9.088" E	33° 40' 13.092" N
SC	SC	Ponyu	75° 1' 35.935" E	33° 40' 44.164" N
SC	SC	Avdora	74° 57' 0.935" E	33° 40' 44.554" N
SC	MAC	Nipar	75° 7' 39.530" E	33° 41' 0.299" N
SC	MAC	Bhan	75° 4' 49.448" E	33° 41' 22.711" N
SC	SC	Khiah Jugipur	74° 58' 55.345" E	33° 41' 23.165" N
SC	SC	Mir Bazar	75° 6' 50.898" E	33° 41' 30.978" N
SC	SC	Khriwan	75° 5' 29.973" E	33° 41' 39.101" N
SC	SC	Kadir	74° 59' 43.758" E	33° 41' 58.052" N
SC	SC	Tsudar	75° 5' 16.271" E	33° 42' 0.372" N
SC	SC	Sonigam	75° 3' 18.780" E	33° 42' 3.248" N
SC	SC	Bolus	75° 1' 41.653" E	33° 42' 8.238" N
SC	SC	Hanjan	74° 58' 48.880" E	33° 42' 13.656" N
SC	SC	Lalipora	75° 6' 58.958" E	33° 42' 34.646" N
SC	SC	Nunumal	74° 59' 58.706" E	33° 42' 36.562" N
SC	SC	Sakul	75° 5' 37.304" E	33° 42' 40.467" N
SC	SC	Bachur	75° 3' 12.642" E	33° 42' 48.504" N
SC	SC	Tantrepur	74° 58' 13.571" E	33° 43' 19.160" N
SC	SC	Redwani	75° 4' 26.358" E	33° 43' 41.644" N
SC	SC	Tenjia	75° 2' 23.392" E	33° 43' 53.348" N
SC	SC	Kathpur	75° 0' 39.053" E	33° 43' 53.647" N
SC	SC	Yemorach	74° 59' 40.132" E	33° 43' 56.523" N
SC	SC	Badur	75° 1' 54.015" E	33° 44' 8.238" N
SC	SC	Demdul	75° 2' 22.421" E	33° 44' 20.857" N
SC	SC	Hangabuth	74° 59' 50.257" E	33° 44' 32.821" N
SC	SC	Wampur	75° 5' 4.128" E	33° 45' 20.930" N
SC	SC	Nowbal	75° 4' 13.372" E	33° 45' 23.945" N

Table 13: Health facilities in Kupwara district

KUPWARA				
HF_TYPE	Org_HFT	LOCATION	LONG	LAT
CHC	DH/DTC	Kupwara (NAC)	74° 15' 25.451" E	34° 31' 35.250" N
CHC	SDH	Kral Pora	74° 6' 46.967" E	34° 30' 17.448" N
CHC	SDH	Sogam	74° 22' 47.282" E	34° 30' 10.492" N
CHC	SDH	Tangdhar	73° 51' 38.653" E	34° 23' 52.893" N
CHC	DH	Handwara (NAC)	74° 16' 54.674" E	34° 23' 57.842" N
CHC	SDH	Zachal Dara	74° 11' 54.763" E	34° 24' 17.740" N
CHC	SDH	Langet	74° 18' 19.152" E	34° 22' 33.286" N
CHC	SDH	Krala Gund	74° 20' 41.479" E	34° 21' 15.370" N
PHC	PHC	Kalarooch	74° 19' 25.958" E	34° 34' 52.997" N
PHC	SHC	Keran	73° 57' 21.726" E	34° 39' 1.993" N
PHC	AD	Halmat Pora	74° 13' 50.894" E	34° 33' 59.347" N

PHC	PHC	Lona Hari	74° 5' 26.408" E	34° 31' 15.337" N
PHC	AD	Guzriyal	74° 7' 46.866" E	34° 31' 59.197" N
PHC	PHC	Gushi	74° 13' 49.387" E	34° 30' 56.301" N
PHC	PHC	Trehgam	74° 10' 32.222" E	34° 30' 51.520" N
PHC	PHC	CheeraKoot	74° 19' 32.463" E	34° 32' 49.605" N
PHC	PHC	Panzgam	74° 4' 31.384" E	34° 29' 4.636" N
PHC	AD	Bata Pora	74° 14' 33.711" E	34° 36' 5.928" N
PHC	PHC	Maidan Pora	74° 23' 51.202" E	34° 32' 18.455" N
PHC	PHC	Drug Mulla	74° 16' 55.542" E	34° 29' 23.263" N
PHC	PHC	Vilgam	74° 8' 46.643" E	34° 28' 45.084" N
PHC	PHC	Negrimal Pora	74° 15' 52.156" E	34° 28' 17.627" N
PHC	PHC	Kukrusa	74° 9' 52.287" E	34° 27' 4.936" N
PHC	PHC	Nut Nusa	74° 18' 13.758" E	34° 26' 36.565" N
PHC	PHC	Tarat Pora	74° 7' 16.882" E	34° 28' 2.682" N
PHC	PHC	Magam	74° 14' 17.472" E	34° 27' 32.480" N
PHC	PHC	Lal Pora	74° 25' 31.211" E	34° 30' 21.306" N
PHC	PHC	Bata Pora Magam	74° 15' 57.323" E	34° 26' 31.117" N
PHC	PHC	Teki Pora	74° 25' 27.783" E	34° 28' 0.231" N
PHC	PHC	Wadi Pora	74° 14' 7.422" E	34° 24' 37.761" N
PHC	PHC	Teetwal	73° 46' 31.968" E	34° 23' 47.993" N
PHC	PHC	Kandi	74° 20' 46.982" E	34° 27' 29.325" N
PHC	PHC	Behni Pora	74° 8' 32.035" E	34° 24' 26.189" N
PHC	PHC	Chugal	74° 18' 50.228" E	34° 24' 5.448" N
PHC	AD	Wadar Pain	74° 8' 31.853" E	34° 22' 42.982" N
PHC	PHC	Chiter Kote	73° 48' 1.110" E	34° 22' 27.346" N
PHC	PHC	Gunipora	74° 14' 23.567" E	34° 34' 32.742" N
PHC	PHC	Nawgam	74° 9' 43.607" E	34° 20' 16.330" N
PHC	PHC	Ash Pora	74° 15' 52.867" E	34° 19' 42.902" N
PHC	PHC	Monabal	74° 10' 41.322" E	34° 18' 17.427" N
PHC	AD	Suhtpora	74° 15' 8.597" E	34° 33' 53.096" N
PHC	SHC	Machil	74° 26' 56.421" E	34° 39' 6.867" N
PHC	PHC	Awra	74° 11' 0.843" E	34° 33' 56.423" N
PHC	PHC	Gabra	73° 50' 36.659" E	34° 21' 45.538" N
PHC	PHC	Kalamchakla	74° 13' 59.500" E	34° 21' 14.003" N
PHC	AD	Kutlari	74° 12' 15.205" E	34° 20' 38.699" N
PHC	PHC	Yunusoo	74° 22' 24.432" E	34° 22' 41.791" N
SC	MAC	Mindiyan	73° 58' 31.877" E	34° 38' 52.862" N
SC	SC	Patroo	74° 1' 10.050" E	34° 36' 56.810" N
SC	SC	Farkan	74° 4' 45.171" E	34° 33' 28.581" N
SC	MAC	Manigah	74° 16' 11.921" E	34° 36' 32.336" N
SC	SC	Meelyal	74° 5' 29.933" E	34° 32' 18.387" N
SC	SC	Kachi Hama	74° 5' 59.598" E	34° 33' 26.338" N
SC	SC	Warsun	74° 7' 31.851" E	34° 32' 38.942" N
SC	SC	Ration Pora	74° 4' 10.397" E	34° 32' 0.435" N
SC	SC	Batter Gam	74° 13' 25.379" E	34° 31' 46.758" N
SC	MAC	Dard Pora	74° 4' 8.479" E	34° 30' 41.251" N

SC	SC	Gulgam	74° 12' 43.409" E	34° 32' 22.466" N
SC	MAC	Hiri	74° 11' 34.297" E	34° 31' 38.783" N
SC	SC	Khumriyal	74° 18' 13.686" E	34° 32' 28.596" N
SC	SC	Shumriyal	74° 19' 3.639" E	34° 32' 1.858" N
SC	SC	Hayan	74° 10' 2.501" E	34° 33' 26.554" N
SC	SC	Poosh Pora	74° 11' 27.396" E	34° 30' 25.507" N
SC	SC	Shum Nag	74° 8' 1.309" E	34° 29' 58.846" N
SC	SC	Gungloosa (Gugloosa)	74° 8' 29.133" E	34° 30' 7.364" N
SC	SC	Rawat Pora	74° 5' 12.436" E	34° 29' 29.953" N
SC	SC	Doni Wari	74° 20' 31.719" E	34° 32' 42.337" N
SC	SC	Sorigam	74° 21' 4.880" E	34° 33' 8.795" N
SC	SC	Khurhama	74° 27' 45.431" E	34° 33' 38.296" N
SC	SC	Gagal	74° 23' 44.627" E	34° 33' 37.579" N
SC	SC	Karihama	74° 13' 23.322" E	34° 30' 21.875" N
SC	SC	Reshi Gund	74° 8' 4.197" E	34° 31' 4.815" N
SC	MAC	Posh Wari	74° 12' 4.130" E	34° 30' 23.530" N
SC	SC	Shoolora	74° 8' 19.727" E	34° 29' 30.327" N
SC	SC	Budnumbal	73° 59' 45.309" E	34° 30' 16.557" N
SC	SC	Kuhigam	74° 25' 37.660" E	34° 32' 58.537" N
SC	SC	Wowur	74° 22' 49.802" E	34° 32' 18.318" N
SC	SC	Padder Gund	74° 9' 9.794" E	34° 29' 38.528" N
SC	MAC	Aloosa	74° 6' 8.270" E	34° 29' 15.362" N
SC	MAC	Putushy	74° 21' 6.333" E	34° 32' 16.179" N
SC	SC	Chowkibal	74° 1' 39.018" E	34° 27' 53.002" N
SC	SC	Dohama	74° 8' 52.156" E	34° 29' 16.766" N
SC	MAC	Mugal Pora	74° 19' 32.542" E	34° 20' 39.285" N
SC	SC	Hat Mulla	74° 15' 49.658" E	34° 29' 8.226" N
SC	SC	Sever Thendi Pora	74° 27' 0.468" E	34° 32' 16.595" N
SC	SC	Krohsan	74° 24' 3.739" E	34° 31' 41.320" N
SC	MAC	Dedi Koot	74° 12' 2.193" E	34° 30' 9.555" N
SC	MAC	Wara Pora	74° 11' 51.951" E	34° 26' 55.642" N
SC	SC	Hafrada	74° 4' 25.840" E	34° 27' 7.820" N
SC	SC	Sayiwani	74° 24' 43.876" E	34° 32' 12.275" N
SC	MAC	Pach Kote	74° 6' 7.740" E	34° 28' 42.944" N
SC	SC	Watter Khani	74° 17' 45.206" E	34° 28' 38.771" N
SC	SC	Panjua	74° 9' 55.931" E	34° 28' 56.686" N
SC	SC	Tung Check	74° 23' 41.643" E	34° 30' 54.616" N
SC	SC	Tumina (Tembna)	74° 3' 12.693" E	34° 28' 8.066" N
SC	SC	Buber Nag	74° 14' 44.536" E	34° 29' 22.573" N
SC	MAC	Warnow	74° 28' 46.595" E	34° 31' 46.323" N
SC	SC	Bramri	74° 16' 51.191" E	34° 28' 11.108" N
SC	SC	Kigam	74° 19' 36.026" E	34° 28' 0.735" N
SC	SC	Dara Pora	74° 24' 44.695" E	34° 30' 58.023" N
SC	MAC	Cheer Kote	74° 10' 11.579" E	34° 29' 14.060" N
SC	SC	Jagar Pur	74° 17' 5.980" E	34° 26' 36.057" N
SC	SC	Kawari	74° 10' 33.070" E	34° 32' 48.268" N

SC	SC	Chandi Gam	74° 23' 18.880" E	34° 28' 36.560" N
SC	SC	Pazwal Pora	74° 11' 29.415" E	34° 27' 55.598" N
SC	SC	Neli Pora	74° 15' 12.006" E	34° 27' 5.131" N
SC	SC	Hangni Kot	74° 4' 51.992" E	34° 26' 24.658" N
SC	SC	Lilam	74° 8' 26.084" E	34° 27' 32.480" N
SC	SC	Siraj Pora	74° 11' 50.445" E	34° 27' 24.118" N
SC	SC	Sodal	74° 15' 16.626" E	34° 26' 31.632" N
SC	SC	Khan Pora	74° 14' 44.475" E	34° 34' 11.339" N
SC	MAC	Muqam Shahwali	74° 17' 8.132" E	34° 30' 17.007" N
SC	SC	Dard Pora Lolab	74° 27' 44.641" E	34° 28' 54.883" N
SC	SC	Kinal	74° 7' 47.287" E	34° 27' 26.059" N
SC	SC	Pala Pora	74° 21' 41.363" E	34° 20' 23.342" N
SC	SC	Voda Pora (Udh Pora)	74° 16' 37.001" E	34° 26' 6.983" N
SC	SC	Dudi Pora	74° 13' 38.698" E	34° 25' 21.988" N
SC	SC	Baki Aker	74° 14' 57.856" E	34° 24' 52.293" N
SC	SC	Sochal Yari	74° 6' 40.177" E	34° 26' 54.797" N
SC	MAC	Waisu Kawnar	74° 8' 23.352" E	34° 26' 46.832" N
SC	SC	Nichian	73° 53' 38.358" E	34° 24' 15.437" N
SC	SC	Lasii Pora	74° 23' 2.448" E	34° 30' 31.081" N
SC	MAC	Lacham Pora	74° 8' 4.899" E	34° 25' 27.068" N
SC	SC	Hajinar	73° 52' 52.987" E	34° 24' 12.755" N
SC	MAC	Raj Pora	74° 10' 23.788" E	34° 24' 7.676" N
SC	MAC	Sarmarg	74° 9' 30.992" E	34° 25' 50.850" N
SC	SC	Ahagam	74° 11' 0.605" E	34° 24' 5.759" N
SC	SC	Cham Koote	73° 48' 40.899" E	34° 22' 40.177" N
SC	SC	Sat Kojan	74° 6' 59.903" E	34° 24' 50.746" N
SC	SC	Gundi Gojran	73° 48' 1.129" E	34° 23' 12.727" N
SC	SC	Chinja Mula	74° 10' 51.788" E	34° 23' 25.978" N
SC	SC	Badar Kali	74° 13' 36.235" E	34° 23' 32.109" N
SC	MAC	Shati Gam	74° 9' 2.878" E	34° 22' 59.774" N
SC	SC	Wader Bala	74° 6' 54.682" E	34° 23' 9.603" N
SC	SC	Dildar	73° 50' 6.419" E	34° 23' 39.281" N
SC	SC	Nicha Hama	74° 8' 27.346" E	34° 23' 30.944" N
SC	SC	Yamler	74° 11' 55.584" E	34° 22' 30.798" N
SC	SC	Trebuni	73° 49' 39.304" E	34° 23' 13.028" N
SC	SC	Kultra	74° 19' 40.510" E	34° 23' 40.328" N
SC	SC	Khawarpara	73° 50' 58.545" E	34° 23' 27.843" N
SC	SC	Pohrupath	74° 20' 54.889" E	34° 23' 28.376" N
SC	MAC	Glura	74° 19' 9.693" E	34° 23' 24.471" N
SC	SC	Hanji Shat	74° 20' 33.014" E	34° 23' 32.777" N
SC	SC	Khonu Baba Gund	74° 20' 59.731" E	34° 22' 30.566" N
SC	SC	Kohnagabra	73° 51' 32.187" E	34° 22' 18.458" N
SC	SC	Marat Gam	74° 17' 7.672" E	34° 22' 40.046" N
SC	SC	Kargam	74° 17' 43.474" E	34° 23' 7.959" N
SC	SC	Gundi Shath	73° 47' 29.171" E	34° 22' 56.277" N
SC	SC	Menkal	74° 8' 10.370" E	34° 21' 10.173" N

SC	SC	Yaru	74° 20' 10.972" E	34° 22' 52.482" N
SC	SC	Bhadar Koot	73° 47' 34.698" E	34° 22' 17.848" N
SC	SC	Bata Gund	74° 15' 37.604" E	34° 21' 18.258" N
SC	SC	Shat Gund Bala	74° 14' 36.344" E	34° 20' 19.219" N
SC	SC	Hangah	74° 16' 28.068" E	34° 21' 58.533" N
SC	MAC	Lach	74° 12' 38.453" E	34° 21' 7.104" N
SC	SC	Bicherwari	74° 20' 34.498" E	34° 20' 45.417" N
SC	SC	Pingru	74° 14' 54.825" E	34° 20' 41.460" N
SC	MAC	Shanu	74° 16' 9.509" E	34° 21' 7.774" N
SC	SC	Pandeth Pora	74° 19' 43.536" E	34° 21' 42.694" N
SC	MAC	Gund Chabutra	74° 19' 21.043" E	34° 20' 26.443" N
SC	SC	Tad	73° 49' 8.936" E	34° 21' 19.054" N
SC	SC	Sahi Pora	74° 22' 32.485" E	34° 20' 48.496" N
SC	MAC	Dhanni	73° 49' 19.337" E	34° 20' 55.593" N
SC	SC	Renan	74° 19' 24.363" E	34° 19' 38.443" N
SC	SC	Kunyal	74° 17' 13.921" E	34° 19' 52.910" N
SC	SC	Harel	74° 13' 10.163" E	34° 19' 19.866" N
SC	SC	Jahama	74° 13' 47.346" E	34° 19' 50.156" N
SC	SC	Budha Bug	74° 15' 15.021" E	34° 19' 27.138" N
SC	SC	Badrah	74° 20' 52.582" E	34° 20' 17.932" N
SC	SC	Renga Path	74° 17' 39.336" E	34° 19' 9.939" N
SC	SC	Gund Razak	74° 13' 27.609" E	34° 19' 21.456" N
SC	SC	Pazi Pora	74° 10' 54.414" E	34° 29' 42.268" N
SC	SC	Madmadav	74° 19' 35.677" E	34° 33' 39.921" N
SC	SC	Sarkuli	74° 22' 13.852" E	34° 36' 39.359" N
SC	SC	Thaiyan	74° 20' 8.655" E	34° 35' 36.184" N
SC	SC	Moori	74° 18' 33.421" E	34° 38' 45.362" N
SC	MAC	Chuntwari	74° 25' 27.040" E	34° 43' 31.834" N
SC	SC	Kashmiri Monigah	74° 16' 28.805" E	34° 35' 18.689" N
SC	SC	Arampora	74° 17' 38.191" E	34° 27' 26.372" N
SC	SC	Gund Macher	74° 24' 15.497" E	34° 29' 40.933" N
SC	SC	Diwar	74° 27' 1.328" E	34° 27' 27.898" N
SC	SC	Batnar	74° 27' 17.180" E	34° 34' 32.735" N
SC	SC	Walkul	74° 24' 21.137" E	34° 28' 31.104" N
SC	MAC	Nagsari	74° 19' 41.436" E	34° 37' 20.495" N
SC	MAC	Machil	74° 26' 32.265" E	34° 38' 57.548" N
SC	SC	Dapal	74° 28' 18.046" E	34° 40' 39.036" N
SC	MAC	Trangdiyan	73° 59' 4.336" E	34° 38' 40.445" N
SC	MAC	Nagdara	73° 58' 22.211" E	34° 41' 19.458" N
SC	SC	Kundi	73° 49' 44.701" E	34° 23' 56.950" N
SC	MAC	Kulmoona	74° 6' 44.326" E	34° 28' 43.497" N
SC	SC	Wuchhar	74° 12' 34.910" E	34° 28' 27.598" N
SC	MAC	Jabri	73° 52' 53.758" E	34° 23' 21.168" N
SC	SC	Simari	73° 48' 14.839" E	34° 25' 18.863" N
SC	SC	Jadaa	73° 50' 38.315" E	34° 24' 56.584" N
SC	SC	Neldogar	74° 11' 40.903" E	34° 23' 19.926" N

SC	MAC	Dardhaj	74° 6' 36.029" E	34° 25' 0.453" N
SC	SC	Malik Pora	74° 5' 3.475" E	34° 28' 14.769" N
SC	SC	Hatchmarg	74° 3' 15.564" E	34° 27' 39.104" N
SC	SC	Phalmargi	74° 4' 22.050" E	34° 27' 46.490" N
SC	MAC	Kalas	73° 58' 12.546" E	34° 38' 33.586" N
SC	SC	Zone Reshi	74° 1' 12.059" E	34° 27' 55.486" N
SC	SC	Manchittar	74° 2' 19.185" E	34° 29' 36.447" N
SC	MAC	Manzpatheri	74° 1' 51.403" E	34° 29' 17.094" N
SC	SC	Marsari	74° 0' 42.448" E	34° 27' 4.275" N
SC	MAC	Thandi Pora	74° 4' 36.230" E	34° 30' 13.550" N
SC	SC	Manzhar	74° 15' 58.774" E	34° 34' 24.575" N
SC	SC	Mirnag	74° 15' 51.866" E	34° 35' 2.486" N
SC	SC	Trisch	74° 19' 34.145" E	34° 26' 8.965" N
SC	SC	Gujarpati Keegam	74° 18' 58.350" E	34° 28' 18.590" N
SC	SC	Devispora	74° 14' 20.407" E	34° 27' 6.637" N
SC	SC	Budshungi	74° 7' 25.471" E	34° 24' 9.637" N
SC	SC	Krishpora	74° 15' 44.879" E	34° 28' 32.102" N
SC	SC	Muqam Lolab	74° 26' 44.421" E	34° 28' 50.352" N
SC	SC	Marhama	74° 8' 55.415" E	34° 33' 29.004" N
SC	SC	Kunan	74° 11' 34.366" E	34° 30' 44.282" N
SC	SC	Khabmarg	74° 10' 53.091" E	34° 31' 46.204" N
SC	SC	Alachizab	74° 11' 39.828" E	34° 32' 47.364" N
SC	MAC	Zurhama	74° 9' 19.051" E	34° 33' 53.785" N
SC	SC	Shehalhal	74° 15' 47.560" E	34° 25' 59.077" N
SC	SC	Zab Magam	74° 12' 38.493" E	34° 27' 44.289" N
SC	SC	Shogapora	74° 13' 10.431" E	34° 27' 3.531" N
SC	SC	Braripur	74° 17' 44.917" E	34° 24' 29.584" N
SC	SC	Hajan	74° 18' 3.902" E	34° 21' 1.710" N
SC	MAC	Sohipora	74° 14' 37.815" E	34° 33' 4.423" N
SC	SC	Gund Chogal	74° 18' 59.256" E	34° 24' 39.588" N
SC	MAC	Opazwani	74° 10' 42.672" E	34° 27' 14.060" N
SC	SC	Laosa	74° 11' 7.858" E	34° 20' 56.464" N
SC	SC	Ganapur	74° 20' 43.370" E	34° 21' 54.438" N
SC	MAC	Khaipur	74° 22' 11.855" E	34° 20' 18.830" N
SC	MAC	Kundiyan	73° 59' 58.445" E	34° 36' 44.470" N
SC	MAC	Lashdat	74° 12' 0.121" E	34° 41' 31.272" N
SC	SC	Trumnard	74° 14' 41.676" E	34° 36' 53.585" N
SC	SC	Kachban Jamgund	74° 7' 11.037" E	34° 38' 13.416" N
SC	SC	Jamgund	74° 7' 11.049" E	34° 37' 26.117" N
SC	SC	Awra Muqam	74° 10' 41.683" E	34° 34' 28.424" N
SC	SC	Munwan	74° 11' 32.326" E	34° 34' 19.114" N
SC	SC	Yahama	74° 10' 49.807" E	34° 20' 45.871" N
SC	SC	Nawbug	74° 8' 27.787" E	34° 29' 0.491" N
SC	MAC	Ring Payen/Bala	74° 23' 24.155" E	34° 44' 37.045" N
SC	SC	Keran Bala	73° 57' 1.857" E	34° 39' 18.153" N
SC	SC	Hiri Payeen	74° 12' 31.732" E	34° 31' 31.475" N

SC	MAC	Machipora	74° 15' 19.150" E	34° 23' 49.769" N
SC	SC	Kawa ware	74° 16' 53.538" E	34° 27' 18.778" N
SC	SC	Sonawani	74° 19' 33.094" E	34° 19' 49.557" N
SC	SC	Kachlu Qazipora	74° 22' 30.088" E	34° 20' 28.873" N
SC	MAC	Boban	74° 10' 22.099" E	34° 22' 24.245" N
SC	SC	Krumhora	74° 11' 4.509" E	34° 25' 42.768" N
SC	SC	Moghal Pora	74° 15' 3.487" E	34° 30' 33.367" N
SC	SC	Gulnar	74° 3' 37.649" E	34° 31' 10.302" N
SC	SC	Khanabal	74° 1' 24.997" E	34° 28' 43.386" N

Table 14: Health facilities in Pulwama district

PULWAMA				
HF_TYPE	Org_HFT	LOCATION	Longitude	Latitude
CHC	DH	Pulwama	74° 54' 6.103" E	33° 52' 37.446" N
CHC	SDH	Tral	75° 6' 46.720" E	33° 55' 33.651" N
CHC	SDH	Pampore	74° 54' 46.102" E	34° 1' 1.516" N
CHC	CHC/SC	Rajpora Bohu	74° 51' 32.092" E	33° 49' 24.772" N
PHC	AD	Nouproa	74° 55' 24.947" E	33° 47' 41.276" N
PHC	AD	Shadimarg	74° 49' 30.914" E	33° 48' 17.969" N
PHC	AD	Atsan	74° 58' 12.173" E	33° 48' 21.760" N
PHC	AD	N.B. Pora	75° 1' 54.750" E	33° 48' 39.476" N
PHC	PHC	Litar	75° 0' 39.980" E	33° 48' 52.609" N
PHC	AD	Arihal	74° 53' 35.379" E	33° 48' 56.189" N
PHC	PHC	Wosur	74° 58' 35.973" E	33° 50' 7.691" N
PHC	PHC	Tahab	74° 56' 0.544" E	33° 50' 13.664" N
PHC	PHC	Panzgom	75° 1' 51.310" E	33° 50' 57.182" N
PHC	PHC	Gulzar Pora	75° 0' 33.451" E	33° 52' 28.760" N
PHC	AD	Gua	74° 50' 41.036" E	33° 52' 44.781" N
PHC	AD	Chorsu	75° 1' 41.988" E	33° 53' 13.929" N
PHC	PHC	Lojur	74° 57' 16.749" E	33° 54' 2.277" N
PHC	AD	Pingalan	74° 55' 39.814" E	33° 54' 13.350" N
PHC	AD	Noorpora	75° 2' 33.738" E	33° 54' 14.639" N
PHC	PHC	Dadasar	75° 5' 16.638" E	33° 54' 16.235" N
PHC	PHC	Niu	74° 53' 11.439" E	33° 54' 56.585" N
PHC	PHC	Awantipora	75° 0' 54.586" E	33° 55' 32.118" N
PHC	PHC	Kakpora	74° 56' 1.942" E	33° 56' 54.711" N
PHC	PHC	Parigom	74° 52' 40.840" E	33° 57' 1.768" N
PHC	AD	Batagund	75° 5' 43.490" E	33° 57' 3.016" N
PHC	PHC	Kanibal	74° 55' 51.779" E	33° 57' 18.078" N
PHC	PHC	Sambur	74° 55' 45.838" E	33° 57' 45.343" N
PHC	AD	Letapor	74° 58' 8.663" E	33° 57' 53.604" N
PHC	AD	Nahom	74° 53' 12.014" E	33° 58' 27.384" N

PHC	AD	Tsandahor	74° 57' 0.974" E	33° 59' 17.200" N
PHC	PHC	Lodu	74° 59' 42.681" E	33° 59' 49.639" N
PHC	HU	Khreuh	75° 0' 4.692" E	34° 1' 2.112" N
PHC	PHC	Wuyan	74° 57' 52.541" E	34° 1' 33.226" N
PHC	AD	Sotur	75° 4' 38.900" E	34° 2' 19.191" N
PHC	AD	Zantrag	75° 2' 15.008" E	34° 3' 43.381" N
PHC	SCH	Arapal	75° 4' 35.257" E	34° 1' 14.778" N
PHC	PHC	Romu	74° 49' 53.752" E	33° 51' 20.243" N
PHC	PHC	Hawal	74° 51' 55.842" E	33° 48' 22.464" N
PHC	PHC	Kahlil	75° 9' 4.904" E	33° 57' 50.989" N
SC	SC	Melhura	75° 2' 55.794" E	33° 48' 32.722" N
SC	SC	Wasomarg	74° 44' 2.718" E	33° 48' 49.232" N
SC	SC	Lasipur	74° 56' 29.724" E	33° 48' 52.826" N
SC	SC	Nilur	74° 59' 20.312" E	33° 48' 53.823" N
SC	SC	Thumlahal	74° 56' 28.810" E	33° 49' 22.913" N
SC	SC	Chandgam	74° 57' 5.420" E	33° 50' 24.097" N
SC	SC	Tikyun	74° 52' 24.701" E	33° 50' 55.866" N
SC	SC	Dogirpur	75° 2' 38.496" E	33° 51' 4.186" N
SC	SC	Rinzpur	74° 59' 42.588" E	33° 51' 31.796" N
SC	SC	Mitragom	74° 51' 17.779" E	33° 51' 34.255" N
SC	SC	Payech	74° 56' 29.903" E	33° 51' 47.876" N
SC	MAC	Muran	74° 52' 1.035" E	33° 51' 47.692" N
SC	MAC	Bandarpur	74° 59' 27.981" E	33° 51' 53.925" N
SC	SC	Badriwan	74° 59' 6.777" E	33° 51' 55.988" N
SC	SC	Kalchaj Kut	75° 2' 59.162" E	33° 51' 57.570" N
SC	SC	Wakharwan	74° 58' 39.098" E	33° 51' 57.897" N
SC	SC	Rishpur	75° 1' 41.408" E	33° 52' 12.758" N
SC	SC	Poshwan	75° 4' 16.127" E	33° 52' 46.070" N
SC	SC	Mungahom	74° 52' 56.479" E	33° 52' 48.955" N
SC	SC	Pathan	74° 55' 49.317" E	33° 52' 49.769" N
SC	SC	Koyil	74° 56' 58.480" E	33° 52' 50.548" N
SC	SC	Tokun	74° 59' 36.945" E	33° 53' 0.539" N
SC	SC	Larmu	75° 2' 53.589" E	33° 53' 9.968" N
SC	SC	Tsoh kalan	74° 50' 53.349" E	33° 53' 13.872" N
SC	SC	Buts	75° 5' 25.632" E	33° 53' 15.947" N
SC	SC	Gongu	74° 54' 50.261" E	33° 53' 17.829" N
SC	SC	Amlar	75° 4' 25.378" E	33° 53' 31.166" N
SC	SC	Malganpur	74° 58' 45.477" E	33° 53' 34.830" N
SC	SC	Baragam	75° 3' 33.825" E	33° 53' 34.930" N
SC	SC	Karim Abad	74° 52' 56.669" E	33° 53' 48.008" N
SC	SC	Soyimuh	75° 6' 32.148" E	33° 53' 58.810" N
SC	SC	Tsandirgam	75° 4' 6.512" E	33° 54' 0.287" N
SC	SC	Ratsan	75° 6' 47.416" E	33° 54' 16.295" N
SC	SC	Zudur	74° 51' 47.689" E	33° 54' 21.941" N
SC	SC	Amirabad	75° 5' 58.956" E	33° 54' 24.717" N
SC	SC	Potgampora	75° 0' 5.776" E	33° 54' 32.395" N

SC	SC	Gudur	74° 53' 57.740" E	33° 54' 34.808" N
SC	SC	Lalagam	75° 4' 12.499" E	33° 54' 44.201" N
SC	SC	Pinglish	75° 8' 3.219" E	33° 54' 54.511" N
SC	SC	Naibug	75° 5' 29.043" E	33° 54' 55.553" N
SC	SC	Gandipur	74° 55' 3.913" E	33° 54' 55.825" N
SC	SC	Putsil	74° 58' 0.955" E	33° 55' 11.189" N
SC	SC	Ratanpora	74° 56' 46.282" E	33° 55' 16.911" N
SC	SC	Hakirpur	74° 54' 6.307" E	33° 55' 19.954" N
SC	SC	Pohu	74° 55' 45.417" E	33° 55' 36.419" N
SC	SC	Midur	75° 3' 40.261" E	33° 55' 48.924" N
SC	SC	Singo Narbal	74° 53' 59.347" E	33° 55' 55.090" N
SC	SC	Arigam	75° 6' 8.160" E	33° 56' 6.149" N
SC	SC	Mondur	75° 9' 21.954" E	33° 56' 11.048" N
SC	SC	Batnur	75° 10' 52.382" E	33° 56' 16.396" N
SC	SC	Wandakpora	74° 58' 3.352" E	33° 56' 19.078" N
SC	SC	Loru	74° 54' 15.237" E	33° 56' 49.839" N
SC	SC	Chatargam	75° 7' 32.374" E	33° 57' 8.232" N
SC	SC	Lilahar	74° 56' 21.940" E	33° 57' 9.075" N
SC	SC	Khasipora	75° 6' 59.143" E	33° 57' 18.034" N
SC	SC	Barus	74° 59' 26.456" E	33° 57' 18.420" N
SC	SC	Kachamul	75° 5' 54.686" E	33° 57' 18.948" N
SC	SC	Gulshan pora	75° 3' 57.330" E	33° 57' 32.062" N
SC	SC	Poshwan	74° 52' 54.242" E	33° 57' 48.803" N
SC	SC	Luragam	75° 5' 52.386" E	33° 58' 3.565" N
SC	SC	Marwal	74° 54' 6.123" E	33° 58' 32.187" N
SC	SMAC	Nagberi(Nagbal)	75° 10' 25.330" E	33° 58' 33.655" N
SC	SC	Lurao	75° 5' 26.073" E	33° 58' 37.276" N
SC	MAC	Nagpathri	75° 9' 9.481" E	33° 58' 52.833" N
SC	SC	Khadrimuh	74° 53' 53.252" E	33° 59' 3.755" N
SC	SC	Patalbagh	74° 54' 46.377" E	33° 59' 8.768" N
SC	SC	Pastun	75° 4' 37.557" E	33° 59' 29.103" N
SC	SC	Mandikpal	75° 0' 55.229" E	33° 59' 54.307" N
SC	SC	Shar	75° 0' 33.895" E	34° 0' 39.991" N
SC	SC	Ondrus	74° 59' 1.594" E	34° 0' 41.725" N
SC	SC	Mhej	74° 56' 30.953" E	34° 1' 17.260" N
SC	SC	Fristabal	74° 55' 7.642" E	34° 1' 37.337" N
SC	SC	Lam	75° 5' 44.486" E	34° 1' 39.217" N
SC	SC	Satha pokhirin	75° 2' 36.001" E	34° 2' 57.108" N
SC	SC	Narastan	75° 6' 2.187" E	34° 3' 19.680" N
SC	SC	Bathyan	75° 1' 11.797" E	34° 4' 13.837" N
SC	SC	Zaustan	75° 4' 37.148" E	34° 4' 26.055" N
SC	SC	Acchagozan	74° 46' 16.633" E	33° 48' 14.229" N
SC	SC	Yar	74° 48' 45.508" E	33° 48' 24.737" N
SC	SC	Badrinath	74° 47' 42.594" E	33° 48' 32.451" N
SC	SC	Aglar	74° 47' 19.424" E	33° 48' 56.344" N
SC	SC	Drabgom	74° 49' 0.893" E	33° 49' 21.172" N

SC	SC	Gulshanabad	74° 50' 59.632" E	33° 49' 52.346" N
SC	SC	Below Dargund	74° 51' 47.801" E	33° 50' 2.161" N
SC	SC	Kamrazipora	74° 48' 18.050" E	33° 50' 15.808" N
SC	SC	Thukarpora	74° 48' 49.927" E	33° 50' 25.870" N
SC	SC	Zagigam	74° 50' 34.040" E	33° 51' 5.332" N
SC	MAC	Tujjan	74° 48' 39.825" E	33° 51' 34.477" N

Table 15: Health facilities in Srinagar District

SRINAGAR

Hf_Type	Org_HFT	LOCATION	Longitude	Latitude
CHC	CHC	Khanyar	74° 48' 50.205" E	34° 5' 34.095" N
CHC	Trauma Hospital	Lawaypora Hospital	74° 41' 52.754" E	34° 7' 4.664" N
CHC	AD	Bakshipora	74° 43' 37.361" E	34° 7' 58.314" N
PHC	PHC	Zadibal	74° 48' 28.068" E	34° 6' 47.469" N
PHC	PHC	Lalbazar	74° 48' 48.101" E	34° 7' 9.038" N
PHC	PHC	Burzhamma	74° 51' 53.583" E	34° 10' 7.784" N
PHC	PHC	Brane	74° 52' 49.137" E	34° 6' 33.195" N
PHC	PHC	Harwan	74° 53' 40.404" E	34° 9' 24.530" N
PHC	PHC	Hazratbal	74° 50' 24.127" E	34° 8' 24.467" N
PHC	PHC	Khanmoh	74° 56' 51.874" E	34° 3' 36.413" N
PHC	PHC	S R Gunj	74° 48' 1.137" E	34° 5' 18.629" N
PHC	PHC	Narwara	74° 47' 44.711" E	34° 6' 10.190" N
PHC	AD	Mujgund	74° 42' 22.383" E	34° 7' 56.516" N
PHC	AD	Tengpora	74° 46' 53.117" E	34° 3' 40.711" N
PHC	AD	Batamaloo	74° 47' 28.418" E	34° 4' 25.214" N
PHC	AD	Barzulla	74° 48' 0.551" E	34° 2' 54.487" N
PHC	AD	Pantha Chowk	74° 53' 9.754" E	34° 2' 25.057" N
PHC	AD	Gagribal	74° 50' 29.600" E	34° 5' 11.382" N
PHC	AD	Nishat	74° 52' 36.490" E	34° 8' 1.932" N
PHC	AD	Tailbal	74° 51' 50.288" E	34° 9' 32.221" N
PHC	AD	Chatterhama	74° 52' 18.918" E	34° 11' 4.077" N
PHC	AD	Miskeen Bagh	74° 49' 29.183" E	34° 5' 43.951" N
PHC	AD	Rainawari	74° 49' 53.993" E	34° 5' 56.900" N
PHC	AD	Sangam	74° 46' 12.289" E	34° 8' 10.088" N
PHC	AD	Wanganpora	74° 47' 10.611" E	34° 6' 12.535" N
PHC	AD	Palpora	74° 45' 21.794" E	34° 6' 56.365" N
PHC	MMC	Panderathan	74° 52' 5.215" E	34° 2' 57.005" N
SC	Leper Hospital	Baharhar Hospital	74° 49' 11.098" E	34° 6' 51.747" N
SC	SC	Gund Hassibhat	74° 42' 1.465" E	34° 6' 47.464" N
SC	SC	Zainakoot	74° 43' 45.725" E	34° 6' 18.546" N
SC	SC	Malooraa	74° 44' 27.728" E	34° 7' 7.777" N
SC	SC	Bemina	74° 46' 9.273" E	34° 4' 22.439" N
SC	SC	Takiwanpora	74° 42' 29.569" E	34° 9' 2.078" N

SC	SC	Jawaharnagar	74° 49' 37.862" E	34° 3' 44.073" N
SC	SC	Gangbugh	74° 46' 32.445" E	34° 3' 27.229" N
SC	SC	Natipora	74° 48' 41.283" E	34° 2' 52.206" N
SC	SC	Rambagh	74° 48' 10.968" E	34° 3' 2.988" N
SC	SC	Mehjoor Nagar	74° 49' 2.184" E	34° 3' 24.240" N
SC	SC	Rawalpura	74° 47' 50.824" E	34° 1' 20.485" N
SC	SC	Balhama	74° 56' 22.726" E	34° 2' 8.260" N
SC	SC	Nehrupark	74° 50' 41.666" E	34° 5' 20.143" N
SC	SC	Nowpora	74° 49' 22.498" E	34° 5' 21.666" N
SC	SC	Iddgah	74° 47' 25.134" E	34° 5' 51.663" N
SC	SC	Nohatta	74° 48' 28.113" E	34° 5' 48.321" N
SC	SC	Hawal	74° 48' 32.866" E	34° 6' 24.526" N
SC	SC	AmdaKadal	74° 48' 56.961" E	34° 7' 1.538" N
SC	SC	Botshahmohalla	74° 48' 59.669" E	34° 7' 22.039" N
SC	SC	Mundibal	74° 48' 33.668" E	34° 7' 42.246" N
SC	SC	Buchpora	74° 48' 2.480" E	34° 9' 14.202" N
SC	SC	Zoonimar	74° 47' 55.792" E	34° 7' 23.353" N
SC	SC	Kanimazar	74° 47' 45.738" E	34° 5' 33.641" N
SC	SC	PattharMasjid	74° 48' 20.422" E	34° 5' 33.988" N
SC	SC	Habbakadal	74° 48' 17.343" E	34° 5' 10.030" N
SC	SC	Mir Behri	74° 49' 42.674" E	34° 6' 12.575" N
SC	SC	Sangeen Darwaza	74° 48' 53.831" E	34° 6' 15.687" N
SC	SC	Nandpora	74° 50' 35.401" E	34° 6' 24.805" N
SC	SC	Zakura	74° 49' 44.488" E	34° 9' 51.487" N
SC	SC	Telbal	74° 52' 17.864" E	34° 9' 4.303" N
SC	SC	Naseembagh	74° 50' 7.604" E	34° 8' 57.186" N
SC	SC	Hazratbal	74° 50' 30.735" E	34° 7' 54.866" N
SC	SC	Dara	74° 54' 30.483" E	34° 10' 47.715" N
SC	SC	Saidpora	74° 50' 33.302" E	34° 10' 27.010" N
SC	SC	Khimber	74° 51' 38.308" E	34° 11' 18.960" N
SC	SC	Fakirgujri	74° 55' 4.502" E	34° 11' 51.499" N
SC	SC	Krishbal	74° 44' 11.512" E	34° 8' 5.732" N
SC	SC	Shunglipora	74° 46' 16.571" E	34° 6' 43.515" N
SC	SC	Shori Mohalla	74° 50' 15.313" E	34° 4' 56.341" N
SC	SC	Abibal	74° 49' 34.040" E	34° 5' 41.217" N
TH	Hospital	Soura	74° 48' 0.124" E	34° 8' 7.625" N
TH	Hospital	SMHS	74° 47' 52.713" E	34° 5' 12.887" N
TH	Hospital	Lal Ded	74° 48' 30.973" E	34° 4' 0.444" N
TH	Hospital	G B Panth	74° 50' 52.203" E	34° 3' 56.170" N
TH	Hospital	Chest Disease	74° 49' 52.077" E	34° 4' 40.725" N
TH	Hospital	Psychiatric Diseases	74° 49' 13.113" E	34° 6' 34.927" N
TH	Hospital	Maternity Center	74° 48' 9.129" E	34° 8' 22.877" N
TH	Hospital	JLNM	74° 49' 19.456" E	34° 5' 51.994" N

Table 16: Health facilities in Shopian District

SHOPAIN				
HF_TYPE	Org_HFT	LOCATION	Longitude	Latitude
CHC	DH	Shopian	74° 50' 1.430" E	33° 43' 8.831" N
CHC	CHC	Zaina Pora	75° 0' 47.409" E	33° 46' 45.863" N
CHC	CHC	Kellar	74° 45' 51.240" E	33° 46' 50.375" N
PHC	PHC	Sedow	74° 47' 12.993" E	33° 39' 42.588" N
PHC	PHC	Vehil	74° 51' 53.452" E	33° 41' 5.833" N
PHC	PHC	Herman	74° 56' 17.287" E	33° 42' 25.737" N
PHC	PHC	D.K Pora	74° 56' 36.833" E	33° 43' 20.231" N
PHC	AD	Nadigam	74° 52' 51.431" E	33° 43' 25.185" N
PHC	AD	Pinjoora	74° 51' 10.528" E	33° 44' 18.417" N
PHC	AD	T. Imam	74° 54' 41.904" E	33° 44' 41.192" N
PHC	AD	Gati Pora	74° 46' 49.746" E	33° 44' 43.437" N
PHC	PHC	Berthipora	74° 49' 19.667" E	33° 46' 23.763" N
PHC	PHC	Tukroo	74° 51' 31.158" E	33° 46' 43.766" N
PHC	PHC	Sangerwani	74° 42' 44.049" E	33° 47' 28.484" N
PHC	AD	Abhama	74° 44' 33.891" E	33° 47' 54.629" N
SC	SC	Mondijan	74° 52' 40.654" E	33° 38' 28.477" N
SC	SC	Adijan	74° 51' 57.679" E	33° 38' 47.524" N
SC	MAC	Kanji-Ullar	74° 52' 33.284" E	33° 39' 5.289" N
SC	SC	Reshi Nagar	74° 50' 25.935" E	33° 39' 15.893" N
SC	SC	Chatripora	74° 52' 30.557" E	33° 40' 5.243" N
SC	SC	Ram Nagari	74° 50' 45.820" E	33° 40' 6.858" N
SC	SC	Pariwan	74° 55' 17.758" E	33° 40' 11.638" N
SC	SC	Kachdoora	74° 52' 55.119" E	33° 40' 52.535" N
SC	SC	Borihallan	74° 47' 38.272" E	33° 40' 57.986" N
SC	SC	Mantri Bug	74° 55' 30.360" E	33° 41' 12.215" N
SC	MAC	Ch Saidpora	74° 50' 3.064" E	33° 41' 23.377" N
SC	SC	Khasipora	74° 55' 13.008" E	33° 41' 32.654" N
SC	MAC	Ch.Chullan	74° 56' 49.906" E	33° 41' 37.372" N
SC	SC	Saida Pora	74° 50' 41.028" E	33° 41' 41.388" N
SC	SC	Bemini Pora	74° 53' 1.478" E	33° 41' 41.924" N
SC	MAC	Chakoora	74° 54' 49.103" E	33° 41' 52.615" N
SC	SC	Meemander	74° 50' 30.946" E	33° 42' 29.495" N
SC	SC	Sharatpora	74° 52' 1.516" E	33° 42' 33.659" N
SC	SC	Alamganj	74° 57' 27.164" E	33° 42' 34.380" N
SC	SC	Tachloo	74° 53' 39.050" E	33° 42' 42.792" N
SC	SC	C.S Khan	74° 54' 19.072" E	33° 43' 7.947" N
SC	SC	Tularan	74° 54' 53.287" E	33° 43' 26.513" N
SC	SC	Narwani	74° 57' 13.638" E	33° 43' 56.276" N
SC	SC	Manihal Batapur	74° 56' 18.012" E	33° 44' 1.309" N
SC	SC	Zawoora	74° 48' 55.188" E	33° 44' 18.007" N
SC	SC	Chanjmarg	74° 47' 52.722" E	33° 44' 33.595" N
SC	SC	K. Manloo	74° 48' 33.535" E	33° 44' 40.027" N

SC	SC	Hendew	74° 56' 6.092" E	33° 44' 46.634" N
SC	SC	Loosedenew	74° 53' 14.312" E	33° 44' 46.828" N
SC	MAC	Rabben	74° 59' 36.013" E	33° 45' 3.596" N
SC	SC	Balpora	74° 49' 58.936" E	33° 45' 20.285" N
SC	SC	Narpora	74° 48' 34.198" E	33° 45' 35.690" N
SC	SC	Nagabal	74° 56' 0.261" E	33° 45' 43.590" N
SC	SC	Dachoo	74° 57' 12.373" E	33° 45' 45.136" N
SC	SC	Nasar pora	74° 46' 26.776" E	33° 45' 46.249" N
SC	SC	Awunura	75° 1' 35.888" E	33° 45' 48.085" N
SC	SC	Moshwara	74° 47' 36.578" E	33° 45' 57.978" N
SC	SC	Chitragam	74° 58' 40.233" E	33° 46' 2.179" N
SC	SC	Wathoo	74° 49' 55.416" E	33° 46' 32.485" N
SC	SC	Muloo Dangerpora	74° 54' 14.803" E	33° 46' 33.730" N
SC	SC	Zampathri	74° 44' 37.021" E	33° 46' 42.589" N
SC	SC	Turk Wangam	74° 55' 58.600" E	33° 46' 58.592" N
SC	SC	Keegam	74° 51' 57.016" E	33° 47' 12.368" N
SC	SC	Marheng	74° 53' 13.161" E	33° 47' 35.951" N
SC	SC	Hef Shirmal	74° 58' 29.301" E	33° 47' 42.768" N
SC	SC	Pirpora	74° 53' 49.955" E	33° 48' 6.542" N
SC	SC	Aglar	75° 0' 10.075" E	33° 48' 31.234" N

Table 17: Health facilities in Doda district

DODA				
HF_TYPE	Org_HFT	LOCATION	Longitude	Latitude
CHC	SDH	Baderwah	75°43' 4.280" E	32°58' 48.820" N
CHC	SDH	Gandoh	75°54' 37.305" E	33°1' 51.808" N
CHC	EH	Thatri	75°47' 43.755" E	33°8' 44.230" N
CHC	DH	Doda	75°32' 52.525" E	33°8' 40.694" N
PHC	AD	Thanala	75°46' 18.736" E	32°55' 41.060" N
PHC	PHC	Tipri	75°57' 11.111" E	32°56' 42.569" N
PHC	AD	Sirtingal	75°43' 39.363" E	32°57' 11.948" N
PHC	PHC	Changa	75°55' 6.134" E	32°59' 41.107" N
PHC	AD	Gatha	75°42' 11.999" E	32°59' 49.280" N
PHC	AD	Sarna	75°41' 32.996" E	33°0' 21.745" N
PHC	PHC	Chinta	75°43' 47.998" E	33°1' 13.896" N
PHC	AD	Behota	75°27' 29.449" E	33°1' 50.665" N
PHC	AD	Chilli	75°58' 27.303" E	33°2' 38.677" N
PHC	AD	Malothi	75°36' 44.083" E	33°2' 59.049" N
PHC	PHC	Goha	75°28' 7.350" E	33°3' 10.067" N
PHC	AD	Jhakyas	75°55' 45.967" E	33°3' 45.340" N
PHC	PHC	Bhalla	75°36' 48.185" E	33°4' 3.650" N

PHC	AD	Paranoo	75°34' 51.516" E	33°5' 41.152" N
PHC	PHC	Malanoo	75°51' 22.546" E	33°5' 39.183" N
PHC	AD	Kansoo	75°53' 52.170" E	33°5' 56.543" N
PHC	AD	Rokali	75°43' 5.492" E	33°6' 26.819" N
PHC	PHC	Aasar	75°24' 40.246" E	33°7' 28.020" N
PHC	AD	Panshayee	75°41' 20.622" E	33°7' 24.170" N
PHC	PHC	Bhella	75°40' 16.830" E	33°7' 57.436" N
PHC	AD	Jodhpur	75°38' 24.910" E	33°8' 21.474" N
PHC	PHC	Ghat	75°34' 42.339" E	33°8' 43.379" N
PHC	AD	Kastigarh	75°27' 33.542" E	33°9' 8.418" N
PHC	AD	Samti	75°24' 11.408" E	33°9' 16.513" N
PHC	PHC	Premnagar	75°41' 20.706" E	33°9' 32.723" N
PHC	AD	Dharra	75°39' 8.393" E	33°10' 51.127" N
PHC	PHC	Bagwah	75°28' 40.106" E	33°11' 15.352" N
PHC	AD	Kalihand	75°35' 7.158" E	33°11' 17.306" N
PHC	AD	Koti	75°32' 23.225" E	33°11' 31.767" N
PHC	AD	Tantna	75°38' 5.856" E	33°12' 19.757" N
PHC	PHC	Gunduna	75°38' 45.432" E	33°12' 51.921" N
PHC	PHC	Bharat	75°36' 43.589" E	33°14' 45.470" N
PHC	AD	Gaidessa	75°28' 42.088" E	33°17' 19.479" N
SC	MMAC	Chanderani	75°26' 21.127" E	33°21' 20.613" N
SC	MMAC	Bindralbani	75°56' 9.679" E	32°54' 58.752" N
SC	SC	Bheja	75°45' 35.057" E	32°56' 23.710" N
SC	SC	Nalthi	75°42' 54.222" E	32°56' 42.446" N
SC	SC	Katare	75°46' 4.866" E	32°56' 42.338" N
SC	SC	Kakoti	75°55' 23.199" E	32°57' 52.925" N
SC	SC	Dareja	75°43' 41.671" E	32°58' 26.699" N
SC	MAC	Chanti	75°56' 42.537" E	32°58' 29.347" N
SC	SC	Matholia	75°41' 18.271" E	32°58' 39.655" N
SC	SC	Berraru	75°39' 34.754" E	32°59' 0.929" N
SC	MAC	Inhara	75°53' 44.323" E	32°59' 15.753" N
SC	SC	Chaka	75°39' 27.723" E	32°59' 33.038" N
SC	SC	Malni	75°44' 32.844" E	32°59' 43.080" N
SC	MAC	Hanga	75°39' 53.848" E	32°59' 50.294" N
SC	SC	Kilotran	75°54' 39.626" E	32°59' 52.144" N
SC	MAC	Bharti	75°56' 24.819" E	32°59' 55.477" N
SC	SC	Gutasa	75°38' 4.061" E	33°0' 37.096" N
SC	SC	Batara	75°54' 52.114" E	33°0' 41.408" N
SC	SC	Kursari	75°41' 36.028" E	33°0' 53.919" N
SC	SC	Dranga	75°40' 19.367" E	33°0' 59.467" N
SC	MAC	Drodhu	75°39' 29.632" E	33°1' 24.093" N
SC	SC	Bhalara	75°41' 35.718" E	33°1' 32.129" N
SC	SC	Dugli	75°36' 9.782" E	33°1' 45.362" N
SC	SC	Dhawari	75°54' 57.321" E	33°1' 55.775" N
SC	MAC	Manwa	75°41' 4.503" E	33°2' 29.487" N
SC	SC	Sino	75°52' 30.310" E	33°2' 31.976" N

SC	SC	Hadal	76°1' 10.915" E	33°2' 47.506" N
SC	MAC	Khellani	75°36' 55.249" E	33°3' 28.484" N
SC	SC	Dhadkai	75°54' 23.700" E	33°3' 33.607" N
SC	SC	Bari	75°27' 24.555" E	33°3' 51.547" N
SC	MAC	Cherrote	75°23' 43.449" E	33°3' 58.501" N
SC	SC	Guraka	75°38' 44.477" E	33°3' 56.909" N
SC	MAC	Champal	75°58' 18.803" E	33°3' 53.522" N
SC	SC	Gandoo	75°56' 25.323" E	33°4' 4.158" N
SC	SC	Shreya	75°26' 48.510" E	33°4' 20.602" N
SC	SC	Dalhote	75°44' 35.068" E	33°4' 28.466" N
SC	SC	Tanta	75°51' 52.619" E	33°4' 26.349" N
SC	SC	Benola	75°45' 37.853" E	33°4' 55.728" N
SC	SC	Dedni	75°29' 46.107" E	33°5' 7.693" N
SC	SC	Jora	75°47' 54.536" E	33°5' 16.696" N
SC	SC	Trown	75°34' 3.832" E	33°5' 24.720" N
SC	SC	Challar	75°55' 1.247" E	33°5' 23.257" N
SC	MAC	Khansal	75°28' 42.753" E	33°5' 35.315" N
SC	MAC	Chakrabati	75°36' 39.338" E	33°5' 44.302" N
SC	MAC	Bulandpur	75°26' 13.986" E	33°5' 50.339" N
SC	SC	Khara	75°52' 12.796" E	33°5' 43.950" N
SC	SC	Baja Chirala	75°43' 59.029" E	33°5' 53.641" N
SC	SC	Barasu	75°37' 6.699" E	33°6' 5.024" N
SC	SC	Sindra	75°35' 52.771" E	33°6' 6.068" N
SC	SC	Puneja	75°41' 39.844" E	33°6' 6.164" N
SC	SC	Kaincha	75°49' 59.766" E	33°6' 9.749" N
SC	SC	Jagote	75°39' 58.619" E	33°6' 13.536" N
SC	SC	Hambal	75°28' 0.263" E	33°6' 20.650" N
SC	MAC	Rukali Khurd	75°42' 41.248" E	33°6' 34.801" N
SC	MAC	Panjsoo	75°35' 16.222" E	33°6' 40.026" N
SC	SC	Ganghata	75°36' 6.084" E	33°6' 41.372" N
SC	SC	Jatter	75°24' 31.506" E	33°6' 47.746" N
SC	MAC	Nandna	75°46' 54.618" E	33°6' 51.525" N
SC	SC	Kuthaira	75°26' 22.368" E	33°7' 11.660" N
SC	SC	Jathi	75°25' 7.182" E	33°7' 12.694" N
SC	SC	Peryote	75°32' 17.511" E	33°7' 20.435" N
SC	MAC	Shiva	75°34' 53.737" E	33°7' 41.349" N
SC	SC	Ramgarh	75°22' 12.062" E	33°7' 56.530" N
SC	SC	Malhori	75°28' 30.337" E	33°8' 6.973" N
SC	SC	Pul Doda	75°33' 0.543" E	33°8' 5.943" N
SC	MAC	Khaleni	75°31' 5.998" E	33°8' 12.130" N
SC	SC	Zadan	75°28' 51.473" E	33°8' 35.668" N
SC	SC	Renkha	75°44' 33.718" E	33°8' 39.793" N
SC	SC	Kandhote	75°43' 24.010" E	33°8' 40.544" N
SC	MAC	Babore	75°35' 42.578" E	33°8' 51.835" N
SC	SC	Bathri	75°45' 26.895" E	33°8' 50.979" N
SC	MAC	Drownjamani	75°41' 13.496" E	33°8' 53.302" N

SC	SC	Malwas	75°30' 51.119" E	33°9' 0.170" N
SC	SC	Manthori	75°38' 50.864" E	33°9' 3.210" N
SC	SC	Barshalla	75°46' 39.116" E	33°9' 5.661" N
SC	MAC	Dharote	75°28' 9.471" E	33°9' 16.962" N
SC	SC	Ganeka	75°28' 47.382" E	33°9' 30.832" N
SC	SC	Mahalla	75°43' 17.084" E	33°9' 34.496" N
SC	MAC	Hanch	75°37' 33.734" E	33°9' 37.731" N
SC	MAC	Chakka	75°22' 9.786" E	33°9' 52.751" N
SC	SC	Malna	75°36' 49.062" E	33°9' 49.915" N
SC	SC	Khankoot	75°43' 32.606" E	33°9' 48.726" N
SC	MAC	Dhar	75°34' 29.812" E	33°9' 56.912" N
SC	MAC	Bajarni	75°29' 32.577" E	33°10' 22.064" N
SC	SC	Ganote	75°22' 32.679" E	33°10' 28.942" N
SC	SC	Chhuchhetar	75°23' 33.183" E	33°10' 34.074" N
SC	SC	Lahri	75°25' 50.643" E	33°10' 53.808" N
SC	MAC	Korara	75°41' 3.181" E	33°11' 10.565" N
SC	MAC	Breswana	75°42' 2.233" E	33°11' 17.624" N
SC	MAC	Chakreberi	75°26' 25.220" E	33°11' 26.404" N
SC	SC	Cherote	75°41' 28.021" E	33°11' 30.129" N
SC	SC	Thanote	75°28' 6.258" E	33°12' 52.782" N
SC	MAC	Gaddi	75°30' 32.716" E	33°12' 55.175" N
SC	SC	Malwana	75°38' 23.684" E	33°12' 54.144" N
SC	SC	Kuluhand	75°34' 11.871" E	33°13' 17.885" N
SC	SC	Sazan	75°31' 25.928" E	33°13' 22.132" N
SC	SC	Bagla	75°36' 17.020" E	33°13' 43.745" N
SC	SC	Sheyal	75°40' 15.051" E	33°13' 53.366" N
SC	MAC	Manjmi	75°28' 14.256" E	33°15' 46.705" N
SC	MAC	Sinkli	75°26' 37.026" E	33°16' 13.713" N
SC	SC	Panzan	75°28' 46.391" E	33°18' 56.827" N
SC	SC	Bartund	75°22' 47.011" E	33°11' 11.723" N
SC	SC	Dagroonda	75°54' 19.430" E	33°5' 15.933" N

Table 18: Health facilities in Jammu District

JAMMU				
Hf_Type	Org_HFT	Location	Longitude	Latitude
CHC	SDH	R S Pora	74° 43' 55.225" E	32° 36' 29.260" N
CHC	SDH	Bishna	74° 51' 25.511" E	32° 36' 39.862" N
CHC	SDH	Sohanjana	74° 44' 39.827" E	32° 41' 52.603" N
CHC	SDH/CHC	Marh	74° 44' 48.717" E	32° 46' 29.354" N
CHC	SDH	Khaur	74° 30' 45.156" E	32° 49' 35.188" N
CHC	SDH	Jaurian	74° 34' 43.223" E	32° 50' 6.896" N

CHC	SDH	Akhnoor	74° 44' 12.644" E	32° 53' 47.908" N
PHC	AD	PindiCharkain	74° 51' 11.864" E	32° 30' 9.486" N
PHC	PHC	Sai	74° 43' 35.259" E	32° 30' 21.290" N
PHC	PHC	NANDPUR	74° 52' 49.814" E	32° 30' 45.729" N
PHC	PHC	Arina	74° 48' 0.974" E	32° 31' 22.775" N
PHC	PHC	Rathana	74° 47' 37.400" E	32° 33' 23.223" N
PHC	AD	Saleher	74° 49' 17.550" E	32° 33' 43.406" N
PHC	PHC	Rehal	74° 52' 33.899" E	32° 33' 52.123" N
PHC	PHC	Badyal	74° 44' 6.414" E	32° 34' 44.002" N
PHC	SC/AD	Dablihar	74° 46' 24.968" E	32° 34' 48.660" N
PHC	PHC	Satryian	74° 42' 54.284" E	32° 35' 2.613" N
PHC	SC/AD	Miran Sahib	74° 48' 40.230" E	32° 38' 40.146" N
PHC	AD	Gadigarh	74° 50' 16.325" E	32° 39' 56.502" N
PHC	PHC	Bohri Camp	74° 49' 38.862" E	32° 40' 3.676" N
PHC	AD	Chattah	74° 48' 45.541" E	32° 40' 6.142" N
PHC	PHC	Sumb	74° 44' 54.420" E	32° 40' 22.399" N
PHC	AD	Gangyal	74° 52' 12.902" E	32° 40' 52.106" N
PHC	SC/UHC	Digiana	74° 51' 43.804" E	32° 40' 58.245" N
PHC	AD	Chowadih	74° 55' 41.975" E	32° 41' 7.308" N
PHC	PHC	Airport	74° 50' 9.680" E	32° 41' 27.311" N
PHC	SC/UHC/EC	Chhanni	74° 53' 33.220" E	32° 41' 32.104" N
PHC	EC	Shastrinagar	74° 51' 9.991" E	32° 41' 50.198" N
PHC	UHC/EC	NanakNagar	74° 51' 11.200" E	32° 42' 1.158" N
PHC	PHC	Gandhinagar	74° 51' 29.866" E	32° 42' 11.125" N
PHC	UHC/EC	SanjayNagar	74° 51' 7.557" E	32° 42' 12.789" N
PHC	UHC/EC	Saink Colony	74° 53' 25.604" E	32° 42' 13.625" N
PHC	UHC/EC	ShastriNagar	74° 51' 6.545" E	32° 42' 24.586" N
PHC	MAC & UHC	Bahu Fort	74° 52' 15.200" E	32° 43' 19.775" N
PHC	PHC	GhoManhasa	74° 44' 7.526" E	32° 43' 19.707" N
PHC	PHC	Bagwati Nagar	74° 49' 49.295" E	32° 43' 46.817" N
PHC	PHC	Bagwatinagar	74° 50' 36.086" E	32° 43' 47.324" N
PHC	UHC	TalabTillo	74° 49' 17.142" E	32° 43' 57.863" N
PHC	PHC	GoleGujral	74° 48' 58.013" E	32° 43' 58.093" N
PHC	UHC/EC	GujjarNagar	74° 52' 28.358" E	32° 44' 1.162" N
PHC	UHC/EC	TalabKhatikan	74° 51' 42.728" E	32° 44' 2.294" N
PHC	UHC/EC	ShaktiNagar	74° 50' 48.990" E	32° 44' 9.208" N
PHC	DTC/MAC	Bakhshinagar	74° 51' 9.375" E	32° 44' 28.208" N
PHC	UHC/EC	SubashNagar	74° 51' 17.780" E	32° 44' 37.636" N
PHC	PHC	Assembely	74° 51' 45.595" E	32° 44' 38.585" N
PHC	UHC/EC	MubarkMandi	74° 51' 56.529" E	32° 44' 48.968" N
PHC	UHC/EC	RoopNagar	74° 51' 40.085" E	32° 44' 51.161" N
PHC	UHC/EC	Janipur	74° 51' 4.796" E	32° 45' 24.910" N
PHC	PHC	Paragwal	74° 36' 10.561" E	32° 48' 4.181" N
PHC	AD	Nagrota	74° 54' 45.066" E	32° 48' 6.729" N
PHC	PHC	Simbli	74° 43' 26.232" E	32° 48' 7.299" N
PHC	AD	Barore	74° 33' 48.729" E	32° 48' 32.646" N

PHC	PHC	Misriwala	74° 46' 6.379" E	32° 48' 45.760" N
PHC	PHC/SC	Jandrah	75° 5' 29.139" E	32° 48' 55.869" N
PHC	PHC	Kanachack	74° 43' 1.795" E	32° 49' 21.530" N
PHC	PHC	BHALWAL	74° 49' 2.476" E	32° 50' 19.178" N
PHC	PHC	Pallanwalla	74° 27' 41.055" E	32° 50' 28.975" N
PHC	PHC	Dansal	74° 59' 31.927" E	32° 52' 4.187" N
PHC	SC/PHC	Chibba	74° 52' 43.084" E	32° 52' 8.317" N
PHC	PHC	AmbaGhraota	74° 47' 4.983" E	32° 52' 17.507" N
PHC	PHC	GHAROTA	74° 46' 48.827" E	32° 52' 24.383" N
PHC	PHC	Kot	74° 41' 49.136" E	32° 52' 25.828" N
PHC	PHC/SC	Kalith	74° 32' 35.069" E	32° 52' 44.635" N
PHC	PHC	Khadah	74° 31' 28.159" E	32° 54' 17.879" N
PHC	PHC	Joguan	74° 26' 17.628" E	32° 55' 58.763" N
PHC	PHC	Sungal	74° 41' 21.054" E	32° 56' 18.762" N
PHC	PHC	MeraMandrean	74° 46' 32.696" E	32° 58' 14.663" N
PHC	PHC/SC	DoriDagir	74° 32' 16.758" E	32° 59' 4.613" N
PHC	PHC/SC	GharMajoor	74° 34' 15.065" E	32° 59' 48.500" N
PHC	PHC/EH	ChowkiChowra	74° 38' 15.630" E	33° 1' 10.945" N
PHC	PHC	Kuthar	74° 45' 52.983" E	33° 2' 0.670" N
PHC	PHC	Gangal	74° 41' 40.670" E	33° 2' 1.507" N
SC	SC	Kotha	74° 47' 37.264" E	32° 29' 14.079" N
SC	SC	PindiSarochan	74° 46' 1.722" E	32° 29' 17.107" N
SC	SC	Kudwal	74° 48' 11.684" E	32° 29' 49.474" N
SC	SC	NIKOWAL	74° 41' 35.977" E	32° 30' 8.218" N
SC	SC	Treva	74° 46' 25.350" E	32° 30' 12.569" N
SC	SC	SaiKalan	74° 44' 5.487" E	32° 30' 20.278" N
SC	SC	Panjugrian	74° 45' 42.311" E	32° 30' 48.641" N
SC	SC	MulaChack	74° 44' 28.818" E	32° 30' 49.230" N
SC	SC	Jura Farm	74° 42' 28.380" E	32° 30' 53.098" N
SC	SC	Allah	74° 50' 12.682" E	32° 31' 4.996" N
SC	SC	PindiSarochoa	74° 44' 38.707" E	32° 31' 27.367" N
SC	SC	Kotla	74° 51' 25.018" E	32° 31' 29.201" N
SC	SC	CHAK_CHATAKA	74° 54' 39.276" E	32° 31' 31.848" N
SC	SC	Poal	74° 49' 11.624" E	32° 31' 35.528" N
SC	SC	Beaspur	74° 45' 39.330" E	32° 31' 57.687" N
SC	SC	Parla	74° 45' 44.346" E	32° 32' 2.145" N
SC	SC	Kalyana	74° 46' 32.384" E	32° 32' 14.302" N
SC	SC	SibbuChack	74° 52' 18.850" E	32° 32' 19.035" N
SC	SC	Chakori	74° 43' 9.659" E	32° 32' 30.523" N
SC	SC	ChackMajra	74° 50' 25.950" E	32° 32' 43.554" N
SC	SC	Panria	74° 45' 33.264" E	32° 32' 49.601" N
SC	SC	Saidgarh	74° 53' 4.911" E	32° 32' 52.359" N
SC	SC	PANDORI_MANHASAN	74° 51' 34.614" E	32° 33' 17.426" N
SC	SC	Rathana	74° 47' 33.389" E	32° 33' 18.219" N
SC	SC	Pasgal	74° 50' 38.265" E	32° 33' 25.814" N
SC	SC	Mugawali	74° 45' 25.018" E	32° 33' 36.461" N

SC	SC	ABDAL	74° 41' 7.507" E	32° 33' 40.360" N
SC	SC	Pindor	74° 51' 46.046" E	32° 33' 42.298" N
SC	SC	Sir	74° 45' 1.506" E	32° 34' 0.861" N
SC	SC	Shahpur	74° 53' 37.674" E	32° 34' 26.052" N
SC	SC	SuchetGarh	74° 39' 53.211" E	32° 34' 29.078" N
SC	SC	Khojipur	74° 55' 16.084" E	32° 34' 32.593" N
SC	SC	JindarMelu	74° 47' 55.115" E	32° 34' 39.780" N
SC	SC	Makkhanpur	74° 50' 7.397" E	32° 34' 44.635" N
SC	SC	Laswara	74° 50' 20.628" E	32° 35' 1.646" N
SC	SC	Khari	74° 54' 26.304" E	32° 35' 12.747" N
SC	SC	BadyalQuazian	74° 44' 7.314" E	32° 35' 21.694" N
SC	SC	ChackMohammadyar	74° 45' 39.718" E	32° 35' 22.077" N
SC	MMAC	SATRAYAN_KHURD	74° 43' 5.815" E	32° 35' 26.764" N
SC	SC	Laliyana	74° 52' 24.154" E	32° 35' 28.705" N
SC	SC	SatrianKhurd	74° 43' 4.227" E	32° 35' 29.256" N
SC	SC	Ratnal	74° 53' 40.759" E	32° 35' 31.354" N
SC	SC	Phinder	74° 49' 7.177" E	32° 35' 44.804" N
SC	SC	Kulwal	74° 55' 21.489" E	32° 35' 50.212" N
SC	SC	Khour	74° 48' 34.817" E	32° 36' 14.122" N
SC	SC	Chohala	74° 45' 34.495" E	32° 36' 14.844" N
SC	SC	Saror	74° 54' 42.085" E	32° 36' 31.130" N
SC	SC	Bega	74° 40' 17.500" E	32° 36' 48.894" N
SC	SC	Keerpind	74° 47' 37.922" E	32° 36' 50.609" N
SC	SC	Baspur	74° 41' 36.936" E	32° 36' 50.847" N
SC	SC	Murari Check	74° 53' 52.778" E	32° 36' 58.546" N
SC	SC	KotliCharakan	74° 50' 7.024" E	32° 37' 5.739" N
SC	SC	Langotian	74° 49' 17.729" E	32° 37' 27.514" N
SC	SC	Samka	74° 41' 30.618" E	32° 37' 28.276" N
SC	SC	Kanal	74° 53' 5.354" E	32° 37' 59.005" N
SC	SC	Prithipur	74° 50' 20.119" E	32° 38' 6.747" N
SC	SC	Dharp	74° 51' 24.779" E	32° 38' 19.301" N
SC	SC	BadyalBarhamna	74° 44' 6.130" E	32° 38' 20.429" N
SC	SC	NariKapper	74° 45' 51.327" E	32° 38' 37.270" N
SC	SC	Lower Chowadih	74° 53' 50.583" E	32° 39' 51.194" N
SC	SC	Chibba Check	74° 44' 25.923" E	32° 40' 2.314" N
SC	SC	RatnaChack	74° 55' 42.847" E	32° 40' 14.420" N
SC	SC	Sumb	74° 44' 58.935" E	32° 40' 22.611" N
SC	SC	Gadigarh	74° 50' 34.367" E	32° 40' 29.679" N
SC	SC	Mukwal	74° 43' 21.538" E	32° 40' 52.562" N
SC	SC	Mukhra	74° 46' 3.491" E	32° 40' 56.529" N
SC	SC	Phalian(Khalian)	74° 45' 58.305" E	32° 41' 8.785" N
SC	SC	Raipur Satwari	74° 49' 31.635" E	32° 41' 32.688" N
SC	SC	Sure Chak	74° 48' 18.472" E	32° 41' 45.802" N
SC	SC	NaiBasti	74° 51' 31.766" E	32° 41' 50.455" N
SC	SC/ADISM	PhlynMandal	74° 47' 22.391" E	32° 41' 52.182" N
SC	SC	Chhatta	74° 57' 9.542" E	32° 41' 54.206" N

SC	SC	Sunjuwan	74° 55' 29.156" E	32° 42' 1.312" N
SC	SC	TalabTrithian	74° 54' 49.489" E	32° 42' 14.053" N
SC	SC	ChakSardar	74° 48' 8.920" E	32° 42' 24.968" N
SC	SC	Bhatandi	74° 54' 42.328" E	32° 42' 42.947" N
SC	SC	Charyoli	74° 41' 35.290" E	32° 43' 2.232" N
SC	SC	Bhagatpur	74° 45' 5.513" E	32° 43' 3.860" N
SC	SC	GorkhaBasti	74° 51' 53.683" E	32° 43' 17.147" N
SC	MAC	BusStand	74° 51' 42.772" E	32° 43' 44.825" N
SC	SC	LaladiChak	74° 45' 20.822" E	32° 43' 51.354" N
SC	SC	PouniChak	74° 47' 4.429" E	32° 44' 5.421" N
SC	SC	Saharan	74° 42' 47.349" E	32° 44' 5.378" N
SC	SC	KirpalPora	74° 42' 6.558" E	32° 44' 40.176" N
SC	SC	Aqilpur	74° 47' 10.251" E	32° 44' 40.870" N
SC	MAC	Toph	74° 50' 23.538" E	32° 44' 48.633" N
SC	SC	Karlup	74° 43' 41.746" E	32° 44' 55.300" N
SC	MAC	StateMotor Garage	74° 51' 18.130" E	32° 45' 11.346" N
SC	SC	Lalid-da-Bag	74° 47' 29.464" E	32° 45' 13.803" N
SC	SC	Panjowa	75° 1' 31.128" E	32° 45' 16.918" N
SC	SC	Gajansu	74° 42' 41.985" E	32° 45' 35.489" N
SC	SC	MUTHI	74° 48' 54.029" E	32° 45' 36.948" N
SC	SC	Mutthi	74° 48' 29.965" E	32° 45' 37.727" N
SC	SC	GalwadiChak	74° 43' 4.481" E	32° 46' 3.971" N
SC	MMAC	Suriansar	75° 2' 37.503" E	32° 46' 6.962" N
SC	SC	Hamirpur Kona	74° 33' 3.583" E	32° 46' 4.634" N
SC	SC	BARNAYI	74° 48' 47.980" E	32° 46' 13.330" N
SC	SC	Kothar	75° 7' 35.470" E	32° 46' 18.740" N
SC	SC	GaradhSanth	74° 29' 46.620" E	32° 46' 32.324" N
SC	SC	Jumble	75° 6' 24.930" E	32° 46' 48.950" N
SC	SC	Hamirpur	74° 31' 36.896" E	32° 46' 47.463" N
SC	SC	BelaZamana	74° 34' 13.256" E	32° 47' 16.232" N
SC	SC	Damana	74° 47' 30.280" E	32° 47' 20.130" N
SC	SC	KERAN	74° 50' 23.716" E	32° 47' 21.081" N
SC	SC	Jaswan	74° 43' 38.920" E	32° 47' 34.622" N
SC	SC	Porkhu	74° 46' 32.872" E	32° 47' 40.194" N
SC	SC	Gigrial	74° 28' 25.566" E	32° 47' 45.690" N
SC	SC	Korgah	75° 6' 44.226" E	32° 47' 52.500" N
SC	SC	KatalBatal	74° 57' 29.089" E	32° 47' 54.438" N
SC	MAC	Dateel	74° 32' 28.038" E	32° 48' 0.175" N
SC	SC	Check Rama	74° 29' 42.382" E	32° 48' 7.197" N
SC	SC	Barga	75° 1' 59.687" E	32° 48' 15.386" N
SC	SC	Chulana	75° 3' 15.889" E	32° 48' 19.920" N
SC	SC	RAIPUR_DOMANA	74° 50' 3.313" E	32° 48' 31.509" N
SC	SC	Sangor	75° 2' 29.525" E	32° 48' 39.139" N
SC	SC	Nikkian	74° 29' 44.805" E	32° 48' 45.432" N
SC	SC	Man Chak	74° 34' 32.120" E	32° 48' 58.829" N
SC	SC	Matin	75° 3' 47.821" E	32° 49' 5.523" N

SC	SC	DhonChak	74° 33' 45.317" E	32° 49' 12.679" N
SC	SC	Batera	74° 45' 34.071" E	32° 49' 16.059" N
SC	SC	KOT	74° 49' 14.470" E	32° 49' 19.228" N
SC	SC	Tarah	75° 0' 25.521" E	32° 49' 22.043" N
SC	SC	Kalian	74° 30' 40.768" E	32° 49' 20.177" N
SC	SC	Gharkhal	74° 45' 47.052" E	32° 49' 36.783" N
SC	SC	Chak Shaman	74° 44' 34.673" E	32° 49' 44.405" N
SC	SC	Kah	75° 2' 8.733" E	32° 49' 45.650" N
SC	SC	Kunihala	75° 3' 18.466" E	32° 49' 54.298" N
SC	SC	Nasingpora	74° 39' 42.219" E	32° 49' 54.376" N
SC	SC	AjalMalal	74° 32' 23.498" E	32° 50' 0.969" N
SC	SC	Dab Karm Din	74° 44' 3.476" E	32° 50' 7.562" N
SC	SC	KotMaira	74° 28' 59.989" E	32° 50' 11.513" N
SC	SC	Palatan	74° 26' 51.247" E	32° 50' 29.412" N
SC	SC	Gargal	74° 41' 26.632" E	32° 50' 44.174" N
SC	SC	Buran	74° 47' 46.071" E	32° 50' 53.464" N
SC	SC	ChakKarpal	74° 38' 3.081" E	32° 50' 52.255" N
SC	SC	Millain	74° 31' 15.487" E	32° 50' 51.499" N
SC	SC	Muthi Maria	74° 37' 26.197" E	32° 51' 3.669" N
SC	SC	Seri Kalan	74° 54' 13.353" E	32° 51' 5.652" N
SC	SC	Nariana	74° 30' 44.791" E	32° 51' 11.605" N
SC	SC	Devipur	74° 39' 1.834" E	32° 51' 19.729" N
SC	SC	Pangli	74° 53' 15.253" E	32° 51' 21.494" N
SC	SC	SERI_PANDITIAN	74° 49' 39.011" E	32° 51' 47.021" N
SC	SC	DHAR_DHROCHAN	74° 50' 35.663" E	32° 51' 52.651" N
SC	SC	BhiriTiri	74° 36' 44.054" E	32° 52' 12.620" N
SC	SC	Sahamwan(Millan)	74° 26' 15.656" E	32° 52' 19.646" N
SC	MAC	Bhmal	74° 40' 36.913" E	32° 52' 23.440" N
SC	SC	Dhok	74° 28' 7.049" E	32° 52' 24.412" N
SC	SC	Badsoo	75° 0' 23.066" E	32° 52' 39.253" N
SC	SC	DOMI	74° 44' 28.444" E	32° 52' 42.666" N
SC	SC/MAC	BhalwalBrahmanan	74° 37' 16.505" E	32° 52' 55.287" N
SC	SC	Suketar	74° 57' 25.156" E	32° 52' 59.505" N
SC	SC/MAC	Sohal	74° 39' 12.681" E	32° 53' 34.976" N
SC	SC	Chorta	74° 58' 57.279" E	32° 53' 39.272" N
SC	SC	Agar	74° 47' 31.324" E	32° 53' 48.512" N
SC	SC/MAC	JhajjarKotli	74° 58' 32.124" E	32° 53' 49.600" N
SC	SC	DhokKhalsa	74° 39' 45.992" E	32° 53' 51.880" N
SC	SC	GurahJagir	74° 38' 32.435" E	32° 54' 0.528" N
SC	SC	Bardoh	74° 25' 40.563" E	32° 54' 26.144" N
SC	SC	Ambaran	74° 46' 8.505" E	32° 54' 31.734" N
SC	SC	Badgal	74° 39' 33.227" E	32° 54' 31.100" N
SC	SC	Shiva Pata	74° 50' 33.765" E	32° 54' 42.762" N
SC	SC	Thandichol	74° 33' 4.650" E	32° 54' 41.091" N
SC	SC	GuraTalab	74° 46' 32.515" E	32° 55' 17.805" N
SC	SC	Pangari	74° 40' 27.650" E	32° 55' 23.472" N

SC	SC	Dhakar	74° 25' 41.426" E	32° 55' 30.659" N
SC	SC	Dhakar	74° 25' 29.194" E	32° 55' 41.111" N
SC	SC	Bali	74° 30' 34.315" E	32° 56' 8.487" N
SC	SC	Bbamyal	74° 52' 36.920" E	32° 56' 29.602" N
SC	SC	Danya	74° 27' 58.275" E	32° 56' 55.658" N
SC	SC	Nathwal	74° 29' 22.524" E	32° 56' 56.058" N
SC	SC	Piyan	74° 47' 11.911" E	32° 57' 4.093" N
SC	SC	Gandharwan	74° 43' 2.662" E	32° 57' 12.315" N
SC	SC	Tacharwan	74° 45' 31.538" E	32° 57' 54.410" N
SC	SC	Tanda	74° 42' 30.859" E	32° 58' 8.164" N
SC	SC	Danodana	74° 36' 3.473" E	32° 58' 9.817" N
SC	SC	Burui	74° 44' 12.567" E	32° 58' 18.620" N
SC	SC	Bardhalkhurd	74° 39' 39.749" E	32° 58' 26.044" N
SC	SC	Bala	74° 45' 5.216" E	32° 58' 37.805" N
SC	SC	Rah	74° 33' 38.764" E	32° 59' 17.135" N
SC	MMAC	SaiNallah	74° 46' 35.245" E	32° 59' 29.191" N
SC	SC	Malla	74° 28' 11.461" E	32° 59' 28.206" N
SC	SC	Goshan	74° 48' 28.239" E	32° 59' 45.670" N
SC	SC	Keol	74° 29' 2.770" E	32° 59' 46.789" N
SC	SC	Paneah	74° 31' 20.387" E	32° 59' 49.687" N
SC	SC	Jakh	74° 47' 27.793" E	32° 59' 52.360" N
SC	SC	Pukharni	74° 29' 55.110" E	32° 59' 52.180" N
SC	SC	Godhan	74° 44' 54.154" E	33° 0' 15.628" N
SC	SC	Ghartal	74° 47' 12.379" E	33° 0' 24.125" N
SC	SC	Qeer	74° 45' 11.303" E	33° 2' 13.480" N

Table 19: Health facilities in Kathua District

KATHUA				
HF_Type	Org_HFT	LOCATION	Longitude	Latitude
CHC	SDH	Parole (NAC)	75° 26' 0.493" E	32° 20' 45.216" N
CHC	DH	Kathua (TC+OG)	75° 31' 29.365" E	32° 22' 12.999" N
CHC	SDH	Hiranagar (NAC)	75° 16' 7.858" E	32° 27' 15.818" N
CHC	SDH	Billawar (NAC)	75° 36' 16.025" E	32° 36' 38.079" N
CHC	SDH	Bani	75° 48' 52.384" E	32° 42' 20.772" N
CHC	SDH	Basolhi	75° 48' 52.586" E	32° 30' 2.797" N
PHC	PHC	ChakHaria	75° 21' 56.988" E	32° 23' 8.794" N
PHC	PHC	Lakhenpur (NAC)	75° 35' 38.112" E	32° 22' 56.388" N
PHC	PHC	Marhin	75° 19' 20.001" E	32° 24' 52.049" N
PHC	PHC	Karroh	75° 36' 32.814" E	32° 23' 57.819" N
PHC	AD	Falote	75° 25' 36.745" E	32° 25' 0.292" N
PHC	AD	Chakra	75° 15' 43.818" E	32° 25' 2.157" N
PHC	PHC	Barwal	75° 29' 1.308" E	32° 26' 44.041" N

PHC	AD	BasantPur	75° 41' 0.889" E	32° 24' 2.019" N
PHC	AD	GurahMondian	75° 16' 51.765" E	32° 29' 25.237" N
PHC	AD	Plasi	75° 43' 42.554" E	32° 30' 30.541" N
PHC	PHC	Mahan Pora	75° 38' 58.546" E	32° 32' 14.079" N
PHC	PHC	DingaAmb	75° 21' 32.034" E	32° 32' 54.712" N
PHC	PHC	Bhaddu	75° 31' 41.571" E	32° 34' 35.839" N
PHC	PHC	Sandar	75° 51' 12.636" E	32° 32' 55.171" N
PHC	PHC	Hutt	75° 53' 41.759" E	32° 36' 24.967" N
PHC	PHC	Ramkot	75° 20' 17.688" E	32° 38' 21.958" N
PHC	PHC	Bhoond	75° 49' 1.747" E	32° 36' 43.786" N
PHC	AD	Makwal	75° 22' 4.505" E	32° 38' 29.951" N
PHC	PHC	UchaPind	75° 26' 46.531" E	32° 39' 3.569" N
PHC	PHC	Kahug	75° 31' 33.079" E	32° 38' 35.088" N
PHC	AD	Sukral	75° 35' 20.510" E	32° 39' 6.825" N
PHC	AD	Banjai	75° 48' 30.956" E	32° 38' 44.414" N
PHC	PHC	DoduFalal(GoduFalal)	75° 28' 46.036" E	32° 40' 37.273" N
PHC	AD	Gatti	75° 49' 20.520" E	32° 41' 12.299" N
PHC	PHC	Malahar	75° 40' 21.763" E	32° 42' 32.033" N
PHC	AD	Badnotta	75° 40' 41.390" E	32° 45' 6.454" N
PHC	AD	Sand Roohn	75° 47' 5.505" E	32° 44' 45.151" N
PHC	PHC	Dhaggar	75° 41' 49.352" E	32° 44' 0.823" N
PHC	PHC	Dhani	75° 26' 5.752" E	32° 31' 22.276" N
PHC	PHC	Sonan	75° 39' 56.081" E	32° 30' 28.649" N
PHC	PHC	KotiChandiyar	75° 46' 34.555" E	32° 41' 5.162" N
PHC	PHC	Loahi	75° 39' 37.665" E	32° 43' 21.095" N
PHC	PHC	Karan Bala	75° 48' 9.875" E	32° 34' 0.353" N
PHC/SC	PHC	Budhi	75° 27' 3.170" E	32° 27' 2.443" N
PHC/SC	PHC	Machhedi	75° 36' 11.981" E	32° 42' 17.693" N
SC	SC	Gandial	75° 31' 31.240" E	32° 18' 8.045" N
SC	SC	Gownd	75° 24' 42.264" E	32° 19' 56.332" N
SC	SC	Jrai	75° 29' 40.711" E	32° 19' 33.043" N
SC	SC	SaiperSipla	75° 29' 30.583" E	32° 20' 42.613" N
SC	MAC	Rathua	75° 18' 4.681" E	32° 21' 29.433" N
SC	SC	Khukhiyal	75° 27' 50.283" E	32° 20' 54.745" N
SC	SC	ChhanLal Din	75° 19' 37.837" E	32° 21' 21.530" N
SC	SC	Pansar	75° 18' 20.782" E	32° 22' 0.056" N
SC	SC	Jakhbar	75° 27' 22.253" E	32° 22' 40.399" N
SC	SC	Air Wan	75° 24' 40.714" E	32° 21' 34.802" N
SC	SC	Badalha	75° 28' 35.987" E	32° 22' 15.824" N
SC	SC	ChakChanga	75° 19' 46.855" E	32° 24' 38.618" N
SC	SC	Kadiyala	75° 16' 32.068" E	32° 23' 14.944" N
SC	SC	PhadiYari	75° 26' 27.344" E	32° 23' 44.189" N
SC	SC	Chan Tanda	75° 15' 54.995" E	32° 23' 38.868" N
SC	SC	Ladwal	75° 22' 46.826" E	32° 24' 29.953" N
SC	SC	Tarraah	75° 34' 43.454" E	32° 24' 12.136" N
SC	SC	Dhanore	75° 37' 54.141" E	32° 24' 52.962" N

SC	SC	Gehtar Wan	75° 33' 35.186" E	32° 25' 2.352" N
SC	MAC	Khan Pur	75° 21' 17.405" E	32° 25' 25.924" N
SC	SC	MahiChak	75° 24' 43.321" E	32° 25' 1.374" N
SC	SC	Uttri	75° 29' 15.036" E	32° 26' 16.464" N
SC	SC	ChakFattoo	75° 20' 26.718" E	32° 26' 28.126" N
SC	SC	Palli	75° 27' 38.161" E	32° 25' 47.495" N
SC	SC	RajBagh	75° 23' 44.444" E	32° 26' 11.014" N
SC	SC	Tridwan	75° 39' 28.807" E	32° 25' 51.952" N
SC	SC	Saniyal	75° 14' 40.124" E	32° 26' 49.927" N
SC	SC	Jandore	75° 28' 31.363" E	32° 26' 44.770" N
SC	SC	Logate	75° 29' 50.109" E	32° 26' 13.329" N
SC	SC	Janglote	75° 31' 45.297" E	32° 26' 18.865" N
SC	SC	Dilwan(Dilwen)	75° 34' 16.340" E	32° 26' 36.882" N
SC	SC	Hatli	75° 37' 7.678" E	32° 27' 12.794" N
SC	SC	ChhanRorian	75° 21' 54.947" E	32° 27' 20.857" N
SC	SC	Candwan	75° 20' 3.655" E	32° 28' 12.609" N
SC	SC	Nagrota	75° 26' 48.069" E	32° 27' 23.061" N
SC	SC	SubaChak	75° 15' 41.084" E	32° 27' 59.494" N
SC	SC	Bann	75° 21' 30.784" E	32° 28' 26.078" N
SC	SC	ChakBannoo	75° 18' 51.702" E	32° 29' 9.432" N
SC	MAC	Merth	75° 27' 1.525" E	32° 27' 40.191" N
SC	SC	ChhanMoraan	75° 15' 33.989" E	32° 28' 46.099" N
SC	SC	Nanan	75° 27' 24.903" E	32° 28' 15.890" N
SC	SC	BhedBlore	75° 33' 24.955" E	32° 28' 7.495" N
SC	MAC	Sahllan	75° 18' 47.255" E	32° 29' 53.095" N
SC	SC	Amala	75° 23' 10.054" E	32° 28' 18.709" N
SC	SC	Kothi	75° 44' 38.487" E	32° 28' 18.192" N
SC	SC	Plahi	75° 45' 48.801" E	32° 30' 23.216" N
SC	SC	Maila	75° 17' 55.846" E	32° 30' 11.275" N
SC	SC	Stoora	75° 16' 27.845" E	32° 30' 47.658" N
SC	SC	Mangloor	75° 20' 59.977" E	32° 31' 36.232" N
SC	MAC	Katli	75° 19' 58.155" E	32° 32' 51.278" N
SC	SC	Plakh	75° 42' 27.428" E	32° 33' 6.041" N
SC	SC	Pallan	75° 34' 16.511" E	32° 33' 22.484" N
SC	SC	Hadat	75° 41' 15.271" E	32° 34' 1.680" N
SC	SC	Kagrod/Ghagrorite	75° 46' 33.273" E	32° 31' 45.472" N
SC	SC	Beral	75° 33' 51.272" E	32° 34' 10.879" N
SC	SC	Chanera	75° 40' 7.629" E	32° 33' 31.113" N
SC	SC	Rajwalta(Rajwatta)	75° 25' 34.255" E	32° 36' 4.009" N
SC	SC	Muni	75° 36' 21.042" E	32° 35' 23.026" N
SC	SC	Barotta	75° 28' 53.608" E	32° 36' 8.090" N
SC	SC	Palehal	75° 37' 23.850" E	32° 34' 48.958" N
SC	SC	Draman	75° 52' 25.809" E	32° 36' 28.375" N
SC	SC	Dharmkot	75° 31' 42.002" E	32° 35' 45.118" N
SC	SC	Dodala	75° 49' 31.153" E	32° 34' 51.748" N
SC	SC	DharJhankar	75° 46' 15.644" E	32° 33' 7.613" N

SC	SC	Danna	75° 51' 15.529" E	32° 36' 27.771" N
SC	SC	Darung	75° 30' 25.179" E	32° 36' 47.407" N
SC	SC	Siyalag	75° 46' 44.486" E	32° 36' 45.662" N
SC	MAC	KishanPur	75° 37' 18.687" E	32° 36' 29.035" N
SC	SC	Nagaali	75° 45' 21.669" E	32° 37' 3.578" N
SC	SC	Rampur	75° 31' 48.354" E	32° 36' 58.022" N
SC	MAC	Mandli	75° 30' 22.523" E	32° 38' 21.623" N
SC	SC	TharaKilwal(TharaiKlwal	75° 27' 0.175" E	32° 38' 19.927" N
SC	SC	Siyara	75° 54' 2.487" E	32° 38' 10.110" N
SC	SC	Amwala	75° 19' 15.902" E	32° 39' 17.997" N
SC	SC	Kachhir	75° 23' 17.089" E	32° 40' 7.187" N
SC	SC	Dheutta	75° 42' 41.307" E	32° 39' 15.205" N
SC	SC	DhannuParol	75° 30' 49.042" E	32° 42' 16.813" N
SC	SC	Najot	75° 34' 56.025" E	32° 39' 50.831" N
SC	SC	Mardoon	75° 42' 0.041" E	32° 40' 6.961" N
SC	SC	Koti	75° 46' 13.324" E	32° 41' 24.720" N
SC	SC	Malard	75° 42' 21.956" E	32° 41' 11.600" N
SC	SC	Dulangal	75° 44' 23.796" E	32° 42' 31.978" N
SC	SC	Satti	75° 51' 45.793" E	32° 42' 4.683" N
SC	SC	Bhattodi	75° 31' 36.993" E	32° 42' 52.999" N
SC	MAC	Bari	75° 46' 19.577" E	32° 42' 25.159" N
SC	SC	Sadrota	75° 32' 43.279" E	32° 44' 7.874" N
SC	SC	Begoga	75° 43' 43.442" E	32° 43' 26.950" N
SC	SC	Kanthal	75° 47' 51.226" E	32° 44' 21.087" N
SC	MAC	Kindli	75° 38' 6.278" E	32° 46' 6.476" N
SC	SC	Chandal	75° 48' 22.193" E	32° 45' 19.346" N
SC	SC	Lawang	75° 44' 20.551" E	32° 47' 35.965" N
SC	SC	Barmota	75° 48' 25.940" E	32° 46' 17.597" N
SC	SC	Daulka	75° 49' 9.841" E	32° 47' 12.586" N
SC	SC	Jasrota	75° 24' 28.109" E	32° 27' 26.835" N
SC	SC	Sumwan	75° 25' 13.327" E	32° 23' 39.717" N
SC	SC	Kumri	75° 31' 43.936" E	32° 24' 43.189" N
SC	SC	Mulu	75° 34' 16.681" E	32° 27' 16.817" N
SC	SC	Pallor	75° 27' 44.239" E	32° 30' 10.143" N
SC	SC	Dhoras	75° 23' 56.137" E	32° 31' 28.634" N
SC	SC	Khari	75° 20' 41.653" E	32° 34' 15.664" N
SC	SC	Phalapur	75° 15' 25.526" E	32° 28' 12.022" N
SC	SC	Hiranagar Mod	75° 16' 37.418" E	32° 29' 17.497" N
SC	SC	Chadwal	75° 19' 30.389" E	32° 27' 41.500" N
SC	SC	Dhano	75° 22' 28.730" E	32° 29' 16.023" N
SC	SC	Jindrota	75° 49' 14.104" E	32° 33' 33.548" N
SC	SC	Sawar	75° 41' 32.642" E	32° 30' 7.562" N
SC	SC	Gudood	75° 50' 1.700" E	32° 37' 16.261" N
SC	SC	Sarla Brain	75° 39' 27.129" E	32° 43' 35.839" N
SC	SC	Dhanna	75° 25' 56.089" E	32° 37' 59.580" N
SC	SC	Bhid	75° 27' 59.496" E	32° 36' 43.962" N

SC	MAC	Bhatighat	75° 45' 44.073" E	32° 35' 7.938" N
SC	SC	GodalNangali	75° 45' 32.064" E	32° 37' 16.186" N
SC	SC	Manu	75° 40' 7.608" E	32° 29' 10.379" N
SC	SC	DharKor	75° 42' 12.630" E	32° 35' 44.347" N
SC	SC	PllaHI/PHail	75° 47' 41.754" E	32° 30' 34.474" N
SC	SC	Painilag	75° 47' 32.345" E	32° 42' 49.647" N
SC	MAC	Tapper	75° 53' 16.174" E	32° 40' 35.854" N
SC	SC	Benkon	75° 48' 23.907" E	32° 41' 2.089" N
SC	SC	DandiGatu	75° 49' 18.473" E	32° 48' 57.222" N
SC	SC	Daula/Mata	75° 45' 26.303" E	32° 41' 52.370" N
SC	MMAC	Phagolat	75° 51' 15.134" E	32° 40' 20.447" N
SC	MMAC	Bakindra	75° 45' 19.362" E	32° 45' 55.451" N
SC	SC	Dumiya	75° 50' 19.145" E	32° 45' 35.132" N
SC	SC	Ichu	75° 41' 18.079" E	32° 42' 22.152" N
SC	SC	Tumbu	75° 33' 45.805" E	32° 38' 38.044" N
SC	SC	Deota	75° 32' 39.893" E	32° 41' 49.693" N
SC	SC	Sather	75° 39' 12.539" E	32° 38' 28.689" N
SC	SC	Nangla	75° 36' 56.385" E	32° 41' 33.112" N
SC	SC	Upper Dralta	75° 35' 10.900" E	32° 32' 36.080" N
SC	SC	Kalna	75° 30' 31.907" E	32° 39' 31.001" N
SC	SC	Phiinter	75° 32' 52.896" E	32° 34' 52.013" N
SC	SC	GurjuroNagrota	75° 23' 45.706" E	32° 38' 55.470" N
SC	SC	Sundarikot	75° 32' 35.783" E	32° 32' 10.852" N
SC	SC	DharDugnu	75° 43' 3.322" E	32° 36' 28.976" N
SC	SC	Magiyani	75° 36' 33.855" E	32° 44' 38.389" N
SC	SC	SarlaBariyan	75° 30' 4.382" E	32° 44' 37.697" N
SC	SC	Bhallar	75° 27' 56.588" E	32° 25' 10.093" N
SC	SC	Danna	75° 38' 36.046" E	32° 24' 10.842" N
SC	SC	Dhorsi	75° 35' 39.093" E	32° 28' 8.729" N
SC	MAC	GobidSar	75° 32' 59.741" E	32° 23' 50.846" N
SC	SC	Saida	75° 17' 38.691" E	32° 32' 55.789" N
SC	SC	Barighat	75° 50' 34.081" E	32° 36' 8.789" N
SC	SC	Pathwal	75° 17' 52.487" E	32° 27' 43.438" N

Table 20: Health facilities in Kishtwar District

KISHTWAR				
HF_TYPE	Org_HFT	LOCATION	Longitude	Latitude
CHC	CHC	Marwah	75° 42' 19.614" E	33° 39' 0.382" N
CHC	DH	Kishtwar	75° 46' 0.685" E	33° 18' 55.156" N
PHC	AD	Patnazi	75° 57' 23.597" E	33° 8' 14.133" N
PHC	PHC	Nali	75° 56' 11.061" E	33° 8' 28.375" N
PHC	AD	Sohal	76° 13' 15.102" E	33° 12' 53.083" N

PHC	PHC	Atholi	76° 9' 51.134" E	33° 15' 54.403" N
PHC	PHC	Keeru	75° 57' 4.122" E	33° 20' 23.856" N
PHC	AD	Rahalthal	75° 39' 6.252" E	33° 22' 59.452" N
PHC	AD	Inderwal	75° 34' 10.094" E	33° 25' 53.495" N
PHC	AD	Tagood	75° 42' 31.645" E	33° 26' 5.752" N
PHC	PHC	Chatroo	75° 36' 58.589" E	33° 25' 39.439" N
PHC	PHC	Dachhan	75° 50' 58.428" E	33° 29' 6.719" N
PHC	AD	Dherna	75° 47' 5.934" E	33° 35' 15.313" N
PHC	AD	Qadernah	75° 43' 43.303" E	33° 39' 19.085" N
PHC	AD	Inshan	75° 34' 5.513" E	33° 48' 42.610" N
PHC	PHC	Afti	75° 32' 59.684" E	33° 50' 55.725" N
PHC	AD	Basminah	75° 30' 54.083" E	33° 53' 53.876" N
PHC	PHC	Massu	76° 11' 38.255" E	33° 18' 53.906" N
SC	SC	Buddhar	75° 58' 24.430" E	33° 7' 39.501" N
SC	MAC	Pathshala	75° 53' 45.199" E	33° 8' 15.845" N
SC	MAC	Tiyari	76° 16' 5.721" E	33° 9' 41.259" N
SC	MAC	Dhar	75° 49' 57.099" E	33° 10' 26.435" N
SC	SC	Chito	76° 13' 47.202" E	33° 10' 37.029" N
SC	SC	Drabshalla	75° 48' 44.786" E	33° 11' 3.024" N
SC	SC	Bahadat	75° 49' 16.690" E	33° 11' 41.320" N
SC	MAC	Ladsa	75° 49' 12.308" E	33° 13' 28.670" N
SC	MAC	Gahan	75° 51' 42.975" E	33° 13' 49.299" N
SC	SC	Sarthal	75° 48' 58.455" E	33° 14' 11.802" N
SC	MAC	Trigam	75° 48' 27.478" E	33° 15' 54.558" N
SC	SC	Galigad	75° 47' 59.524" E	33° 15' 55.124" N
SC	MAC	Kabban	76° 15' 54.573" E	33° 15' 56.423" N
SC	MAC	Sazar	76° 8' 5.296" E	33° 16' 10.279" N
SC	SC	Wanie	75° 47' 37.232" E	33° 16' 41.816" N
SC	SC	Mialan	75° 46' 22.730" E	33° 17' 16.106" N
SC	SC	Ligri	76° 11' 10.291" E	33° 18' 23.576" N
SC	SC	Bera Bhata	75° 45' 10.955" E	33° 19' 29.499" N
SC	SC	Pakalan	75° 42' 31.870" E	33° 20' 0.175" N
SC	SC	Sarawan	75° 39' 29.309" E	33° 20' 5.914" N
SC	SC	Puchal	75° 44' 32.153" E	33° 20' 17.215" N
SC	SC	Philler	75° 43' 6.376" E	33° 20' 56.052" N
SC	SC	Padyarna	75° 52' 58.963" E	33° 20' 56.742" N
SC	MAC	Cheerhar	75° 45' 10.459" E	33° 21' 5.659" N
SC	MAC	Hullar	75° 46' 0.968" E	33° 21' 11.738" N
SC	SC	Dool	75° 47' 16.893" E	33° 21' 41.417" N
SC	SC	Gandhri	76° 13' 19.016" E	33° 21' 30.376" N
SC	MAC	Pullar	75° 53' 31.111" E	33° 21' 41.147" N
SC	SC	Simbol	75° 36' 24.493" E	33° 22' 9.545" N
SC	MAC	Durbil	75° 38' 1.301" E	33° 22' 12.471" N
SC	SC	Cherji	75° 50' 32.846" E	33° 21' 52.667" N
SC	SC	Horna	75° 38' 47.587" E	33° 22' 27.401" N
SC	SC	Khattan	75° 43' 33.530" E	33° 22' 38.291" N

SC	SC	Chishoti	76° 15' 44.020" E	33° 22' 50.654" N
SC	SC	Razna	75° 43' 31.363" E	33° 23' 12.188" N
SC	SC	Suzna	75° 43' 35.588" E	33° 23' 29.619" N
SC	MAC	Dadpeth	75° 41' 40.822" E	33° 23' 37.611" N
SC	SC	Mugal Maidan	75° 39' 37.392" E	33° 23' 58.255" N
SC	MAC	Gurinala	75° 36' 6.519" E	33° 24' 43.422" N
SC	SC	Udil Gujran	75° 37' 27.236" E	33° 24' 55.728" N
SC	SC	Ongaye	76° 19' 44.436" E	33° 25' 3.393" N
SC	MAC	Patimahalla	75° 43' 1.701" E	33° 25' 22.474" N
SC	SC	Sigdi	75° 40' 3.061" E	33° 25' 43.779" N
SC	MAC	Ikhala	75° 45' 14.875" E	33° 27' 4.827" N
SC	MAC	Sigdi Bhata	75° 40' 17.876" E	33° 27' 8.715" N
SC	SC	Singpora	75° 32' 34.326" E	33° 28' 4.061" N
SC	SC	Lopara	75° 49' 41.397" E	33° 28' 39.623" N
SC	SC	Kiber Nalla	75° 54' 50.603" E	33° 28' 41.120" N
PHC	SHC	Chingam	75° 35' 48.478" E	33° 29' 0.365" N
SC	SC	Hanzal	75° 47' 14.111" E	33° 34' 8.781" N
SC	MAC	Keyar Nallah	75° 49' 7.101" E	33° 34' 5.515" N
SC	SC	Tilar	75° 43' 59.828" E	33° 35' 50.863" N
SC	SC	Chanjer	75° 42' 19.397" E	33° 37' 39.204" N
SC	MAC	Renai	75° 47' 36.659" E	33° 39' 33.670" N
SC	SC	Yerdu	75° 43' 1.999" E	33° 39' 58.413" N
SC	SC	Pethgam	75° 43' 11.629" E	33° 40' 3.368" N
SC	SC	Brayan	75° 32' 58.498" E	33° 50' 3.840" N
SC	SC	Warwan	75° 32' 43.040" E	33° 51' 29.324" N
SC	MAC	Gumri	75° 31' 57.673" E	33° 55' 52.695" N
SC	SC	Rikinwas	75° 31' 8.698" E	33° 56' 54.457" N

Table 21: Health facilities in Poonch District

POONCH				
HF_TYPE	Org_HFT	LOCATION	Longitude	Latitude
CHC	DH/DTH	Poonch	74°6' 8.065" E	33° 46' 8.992" N
CHC	SDH	Mandi	74° 15' 35.725" E	33° 47' 58.827" N
CHC	SDH	Mendhar	74° 8' 22.193" E	33° 36' 31.927" N
CHC	SDH	Surankote	74° 15' 56.881" E	33° 38' 11.850" N
PHC	PHC	Loran	74° 19' 35.742" E	33° 49' 56.645" N
PHC	PHC	Sawajain	74° 17' 36.032" E	33° 52' 21.309" N
PHC	PHC	Ajot	74° 4' 3.486" E	33° 46' 22.199" N
PHC	PHC	Mangnar	74° 4' 34.960" E	33° 44' 28.463" N
PHC	PHC	Chandak	74° 10' 19.646" E	33° 44' 58.787" N
PHC	PHC	Bandi Chichain	74° 8' 10.996" E	33° 47' 20.166" N
PHC	PHC	Harni	74° 12' 32.593" E	33° 36' 15.419" N

PHC	PHC	Chatryal	74° 9' 19.597" E	33° 40' 18.250" N
PHC	PHC	Dhargaloon	74° 10' 59.618" E	33° 33' 35.756" N
PHC	PHC	Bhata Dhurian	74° 16' 42.767" E	33° 35' 38.994" N
PHC	PHC	Ch-Mankot	74° 3' 1.073" E	33° 37' 13.395" N
PHC	PHC	Hari-Marhot	74° 18' 7.742" E	33° 42' 3.599" N
PHC	PHC	Fazal Abad (Gundi)	74° 17' 54.960" E	33° 37' 57.634" N
PHC	PHC	Lassana	74° 13' 44.431" E	33° 41' 48.955" N
PHC	AD	Sathra	74° 12' 15.589" E	33° 46' 47.750" N
PHC	AD	Palera	74° 18' 24.044" E	33° 48' 32.356" N
PHC	AD	Dabraj	74° 1' 49.647" E	33° 37' 28.083" N
PHC	AD	Kasabalari	74° 6' 11.084" E	33° 41' 24.774" N
PHC	AD	Sangoite	74° 15' 58.320" E	33° 33' 30.670" N
PHC	AD	Kalaban	74° 16' 33.915" E	33° 33' 0.447" N
PHC	AD	Sindarah	74° 10' 38.380" E	33° 42' 20.216" N
PHC	AD	Serikhawaja	74° 13' 31.978" E	33° 44' 19.008" N
PHC	AD	Luthong	74° 16' 7.296" E	33° 40' 48.257" N
PHC	AD	Hari Budha	74° 15' 49.049" E	33° 44' 40.167" N
PHC	AD	Marha	74° 23' 15.587" E	33° 35' 55.160" N
PHC	AD	Sangla	74° 18' 18.717" E	33° 39' 53.958" N
PHC	AD	Degwar	74° 4' 32.533" E	33° 48' 6.322" N
PHC	PHC	Bafliaz	74° 20' 45.703" E	33° 37' 10.681" N
PHC	PHC/SC	Bahrooti	74° 9' 13.879" E	33° 34' 12.065" N
PHC	PHC	Chandimarh	74° 25' 2.182" E	33° 36' 59.905" N
PHC	AD	Naka Majhairi	74° 14' 13.401" E	33° 35' 55.357" N
PHC	AD/SC	Balnoi	74° 16' 18.370" E	33° 49' 40.087" N
SC	MAC	Khairi Kurmara	74° 2' 12.197" E	33° 46' 31.460" N
SC	MAC	Nagal Gali	74° 6' 31.521" E	33° 39' 57.955" N
SC	MAC	Sailan	74° 22' 50.459" E	33° 37' 34.069" N
SC	SC	Loyalbela	74° 17' 51.608" E	33° 49' 7.732" N
SC	SC	Chikri Ban	74° 17' 50.231" E	33° 47' 57.887" N
SC	SC	Arai	74° 16' 15.292" E	33° 47' 16.664" N
SC	SC	Chambar	74° 15' 37.524" E	33° 50' 50.755" N
SC	MAC	Uripura	74° 17' 50.972" E	33° 54' 7.052" N
SC	SC	Azamabad	74° 15' 17.435" E	33° 48' 22.762" N
SC	SC	Chela Dangri	74° 14' 22.561" E	33° 49' 11.435" N
SC	SC	Fatehpur	74° 13' 29.915" E	33° 45' 37.876" N
SC	SC	Saloonia	74° 13' 18.989" E	33° 48' 6.405" N
SC	SC	Gali Pindi	74° 11' 49.910" E	33° 48' 48.668" N
SC	SC	Jandrola	74° 11' 44.591" E	33° 47' 20.780" N
SC	SC	Chakrara	74° 13' 29.540" E	33° 47' 26.750" N
SC	SC	Dingla	74° 10' 1.937" E	33° 46' 6.913" N
SC	SC	Nuna Bandi	74° 10' 16.087" E	33° 47' 0.807" N
SC	SC	Shahpur	74° 11' 40.374" E	33° 49' 0.270" N
SC	SC	Guntriyar	74° 10' 21.516" E	33° 49' 9.139" N
SC	SC	Qasba	74° 9' 28.065" E	33° 48' 54.925" N
SC	SC	Banpat	74° 7' 4.387" E	33° 47' 28.207" N

SC	SC	Kosalian	74° 2' 48.536" E	33° 47' 9.661" N
SC	SC	Jhullas	74° 2' 30.763" E	33° 44' 24.709" N
SC	SC	Salotri	74° 1' 2.541" E	33° 44' 1.232" N
SC	SC	Kannuian	74° 6' 9.098" E	33° 44' 47.322" N
SC	SC	Bhainchh	74° 7' 31.882" E	33° 44' 51.904" N
SC	SC	Dharana	74° 7' 22.553" E	33° 36' 27.070" N
SC	SC	Ghani	74° 3' 11.093" E	33° 41' 36.658" N
SC	SC	Dalera	74° 8' 42.955" E	33° 44' 53.746" N
SC	SC	Chajla	74° 5' 20.290" E	33° 37' 34.111" N
SC	SC	Banola	74° 8' 51.276" E	33° 38' 58.607" N
SC	SC	Narol	74° 8' 26.468" E	33° 39' 40.836" N
SC	SC	Salani	74° 5' 24.702" E	33° 41' 58.946" N
SC	SC	Chungan	74° 8' 19.887" E	33° 40' 56.019" N
SC	SC	Salwah	74° 9' 31.412" E	33° 38' 40.532" N
SC	SC	Bhatidar	74° 7' 59.597" E	33° 39' 16.478" N
SC	SC	Pathanateer	74° 11' 17.973" E	33° 39' 40.192" N
SC	SC	Khanetar	74° 8' 49.607" E	33° 42' 22.011" N
SC	SC	Nar	74° 14' 18.325" E	33° 34' 55.240" N
SC	SC	Kallar Katal	74° 16' 32.841" E	33° 39' 44.624" N
SC	SC	Gursai	74° 13' 16.229" E	33° 38' 40.116" N
SC	SC	Kandi Ghulatta	74° 11' 29.143" E	33° 34' 46.572" N
SC	SC	Dogriyan	74° 26' 46.368" E	33° 37' 51.802" N
SC	SC	Behramgali	74° 24' 38.813" E	33° 36' 36.076" N
SC	SC	Hilkaka	74° 24' 57.759" E	33° 42' 2.173" N
SC	SC	Tarranwali	74° 21' 7.340" E	33° 37' 24.163" N
SC	SC	Sangliani	74° 20' 25.114" E	33° 37' 46.573" N
SC	SC	Dhara Mohra	74° 19' 9.566" E	33° 37' 12.773" N
SC	SC	Mastandara	74° 19' 20.921" E	33° 36' 37.504" N
SC	SC	Darogian	74° 19' 57.195" E	33° 36' 20.008" N
SC	SC	Chamrar	74° 19' 58.333" E	33° 35' 10.431" N
SC	SC	Draba	74° 18' 9.063" E	33° 36' 39.109" N
SC	SC	Jaranwali Gali	74° 15' 52.800" E	33° 37' 27.994" N
SC	SC	Pothah	74° 14' 48.000" E	33° 39' 23.147" N
SC	SC	Sanai	74° 13' 42.207" E	33° 40' 14.517" N
SC	SC	Sanai Panyali	74° 13' 18.693" E	33° 39' 40.587" N
SC	SC	Pamrote	74° 16' 59.025" E	33° 38' 54.353" N
SC	SC	Kallar	74° 16' 23.811" E	33° 36' 26.883" N
SC	SC	Dhundak	74° 14' 23.351" E	33° 40' 44.319" N
SC	SC	Dodi	74° 18' 35.424" E	33° 43' 18.971" N
SC	SC	Marha-A	74° 22' 15.979" E	33° 38' 41.606" N
SC	SC	Marha-B	74° 23' 41.238" E	33° 36' 29.309" N
SC	SC	Kalai	74° 10' 13.848" E	33° 43' 58.232" N
SC	SC	Upper Hari	74° 17' 16.918" E	33° 42' 57.362" N
SC	SC	Malhan	74° 14' 50.342" E	33° 42' 44.221" N
SC	SC	Bachian Wali	74° 12' 22.021" E	33° 42' 42.760" N
SC	SC	Dandi Dhara	74° 18' 34.911" E	33° 39' 16.601" N

SC	SC	Bair	74° 19' 43.451" E	33° 38' 14.189" N
SC	SC	Khetiak	74° 17' 15.027" E	33° 36' 12.604" N
SC	SC	Sandyote	74° 10' 23.277" E	33° 33' 0.278" N
SC	MAC	Keri Kangra	74° 13' 38.541" E	33° 34' 11.500" N
SC	MAC	Dabbi	74° 10' 21.034" E	33° 31' 3.215" N
SC	SC	Chikri Ziarat	74° 18' 10.310" E	33° 46' 8.643" N
SC	SC	Balnoi	74° 0' 50.160" E	33° 40' 44.433" N
SC	SC	Kinari	74° 15' 4.798" E	33° 51' 24.128" N
SC	SC	Baila	74° 14' 43.353" E	33° 46' 38.102" N
SC	MAC	Pir Marg	74° 30' 41.664" E	33° 37' 42.190" N
SC	MMAC	Gumsar	74° 29' 43.896" E	33° 35' 27.341" N
SC	SC	Peer Topa	74° 21' 17.976" E	33° 36' 6.803" N
SC	SC	Sawni	74° 20' 31.038" E	33° 35' 58.689" N
SC	MAC	Bela Bala	74° 18' 52.854" E	33° 49' 11.034" N
SC	MAC	Jamie Gali	74° 11' 59.646" E	33° 48' 3.129" N
SC	SC	Battlekote	74° 18' 22.784" E	33° 49' 40.193" N
SC	SC	Dargamsib	74° 18' 43.209" E	33° 50' 21.846" N
SC	SC	Baryaldhara	74° 4' 42.776" E	33° 49' 46.845" N
SC	SC	Malti	74° 5' 28.248" E	33° 48' 0.271" N
SC	SC	Uppar Dhra	74° 4' 53.070" E	33° 43' 43.897" N
SC	SC	Lower Dhara	74° 6' 30.801" E	33° 43' 57.432" N
SC	SC	Duprian	74° 7' 23.115" E	33° 43' 27.486" N
SC	SC	Sarooti	74° 11' 48.865" E	33° 37' 50.112" N
SC	SC	Uchad	74° 4' 16.039" E	33° 39' 54.873" N
SC	SC	Dharati	74° 12' 10.243" E	33° 30' 42.481" N
SC	SC	Bahruti	74° 11' 56.783" E	33° 29' 38.891" N
SC	SC	Soyian	74° 11' 10.323" E	33° 32' 15.635" N
SC	SC	Chadyal	74° 16' 44.722" E	33° 34' 29.574" N
SC	SC	Uppar Manjari	74° 14' 54.615" E	33° 35' 27.642" N
SC	SC	Gursaie More	74° 13' 21.902" E	33° 39' 15.925" N
SC	SC	Keri Top	74° 13' 7.699" E	33° 35' 13.804" N
SC	SC	Tarkundi	74° 11' 58.920" E	33° 28' 48.153" N

Table 22: Health facilities in Ramban District

RAMBAN				
HF_TYPE	Org_HFT	LOCATION	Longitude	Latitude
CHC	CHC	Batote	75° 19' 35.291" E	33° 7' 17.921" N
CHC	CHC	Gool	75° 0' 16.926" E	33° 15' 52.300" N
CHC	CHC	Banihal	75° 11' 52.901" E	33° 26' 13.074" N
PHC	PHC	Batni	75° 10' 50.162" E	33° 11' 16.530" N
PHC	PHC	Rajgarh	75° 21' 37.742" E	33° 12' 4.997" N
PHC	AD	Chanderkoot	75° 17' 20.288" E	33° 12' 12.945" N

PHC	AD	Ind	75° 2' 12.147" E	33° 12' 59.200" N
PHC	PHC	Dedha	75° 6' 46.753" E	33° 17' 36.060" N
PHC	AD	Hala	75° 20' 12.162" E	33° 14' 2.132" N
PHC	AD	Surindi	75° 4' 45.168" E	33° 14' 18.940" N
PHC	PHC	Sangaldeen	75° 5' 21.487" E	33° 14' 56.498" N
PHC	AD	Dharamkund	75° 8' 17.847" E	33° 14' 57.011" N
PHC	AD	Senabati	75° 20' 49.008" E	33° 18' 57.787" N
PHC	PHC	Ukheral	75° 15' 39.589" E	33° 19' 47.616" N
PHC	PHC/US	Alanbas	75° 17' 54.917" E	33° 19' 58.708" N
PHC	AD	Batroo	75° 14' 30.139" E	33° 20' 6.831" N
PHC	SHC	Ramsoo	75° 11' 34.659" E	33° 20' 23.344" N
PHC	AD	Pogul	75° 16' 59.362" E	33° 20' 56.857" N
PHC	AD	Neel	75° 14' 45.370" E	33° 22' 29.342" N
PHC	PHC	Khari	75° 9' 13.387" E	33° 22' 38.434" N
PHC	PHC	Trigam	75° 7' 16.180" E	33° 23' 38.747" N
PHC	PHC	Manget	75° 7' 9.866" E	33° 26' 57.497" N
SC	SC	Thopal	75° 20' 19.185" E	33° 7' 13.459" N
SC	SC	Dalwas	75° 19' 12.353" E	33° 9' 43.858" N
SC	SC	Sawni	75° 16' 50.099" E	33° 11' 17.999" N
SC	SC	Jatgali	75° 19' 52.469" E	33° 13' 3.138" N
SC	MAC	Chachwa	75° 3' 9.531" E	33° 13' 17.745" N
SC	SC	Batli	75° 11' 18.013" E	33° 13' 54.264" N
SC	SC	Maitra	75° 14' 36.961" E	33° 13' 55.728" N
SC	SC	Mahakund	75° 2' 49.464" E	33° 14' 1.754" N
SC	SC	Parnote	75° 12' 12.409" E	33° 14' 11.383" N
SC	SC	Kanthigali	75° 17' 10.027" E	33° 14' 21.134" N
SC	SC	Bandachhan	75° 0' 50.549" E	33° 14' 29.486" N
SC	SC	Kanga	75° 9' 58.725" E	33° 15' 16.612" N
SC	SC	Dalwa	75° 3' 37.319" E	33° 15' 29.424" N
SC	SC	Chabba	75° 17' 54.976" E	33° 15' 36.144" N
SC	SC	Gamsuli	75° 12' 4.064" E	33° 16' 22.280" N
SC	SC	Nalijanwari	75° 6' 56.952" E	33° 16' 36.400" N
SC	SC	Bhajmasta	75° 9' 6.941" E	33° 16' 52.708" N
SC	SC	Sumbadbradgali	75° 13' 12.400" E	33° 17' 12.797" N
SC	MAC	Kalimasta	74° 59' 33.019" E	33° 17' 14.902" N
SC	SC	Digdol	75° 10' 55.112" E	33° 18' 12.954" N
SC	SC	Halla	75° 0' 13.077" E	33° 18' 21.497" N
SC	MAC	Bhimdassa	75° 3' 38.671" E	33° 18' 33.286" N
SC	SC	Basan	75° 18' 24.395" E	33° 19' 4.942" N
SC	MAC	Paristan	75° 20' 27.512" E	33° 19' 6.196" N
SC	SC	Phagumarh	75° 14' 33.911" E	33° 19' 11.218" N
SC	SC	Dardai	75° 13' 1.192" E	33° 19' 15.950" N
SC	SC	Hoochak	75° 18' 12.053" E	33° 19' 29.630" N
SC	SC	Sarbagni	75° 10' 49.814" E	33° 20' 12.102" N
SC	MAC	Dhanmasta	75° 14' 29.097" E	33° 20' 34.616" N
SC	MAC	Maligam	75° 19' 7.885" E	33° 21' 18.187" N

SC	SC	Gagarnag	75° 12' 45.882" E	33° 21' 46.233" N
SC	SC	Amkote	75° 11' 37.374" E	33° 23' 2.928" N
SC	SC	Chammalwas	75° 12' 41.227" E	33° 23' 15.786" N
SC	MAC	Parhinder	75° 16' 20.050" E	33° 23' 18.713" N
SC	MAC	Chapnari	75° 11' 12.209" E	33° 24' 31.784" N
SC	MAC	Chaknawra	75° 14' 11.073" E	33° 24' 38.133" N
SC	MAC	Buzla	75° 6' 37.531" E	33° 25' 6.409" N
SC	MAC	Doligam	75° 13' 8.242" E	33° 25' 47.595" N
SC	MAC	Phagoo	75° 14' 1.460" E	33° 26' 48.774" N
SC	SC	Kaskoot	75° 11' 3.275" E	33° 26' 59.690" N
SC	SC	Lambar	75° 10' 58.443" E	33° 28' 39.735" N
SC	SC	Tethar	75° 11' 25.100" E	33° 29' 19.827" N
SC	MAC	Nowgam	75° 10' 10.853" E	33° 30' 1.523" N
SC	SC	Gundi	75° 2' 4.323" E	33° 19' 33.303" N
SC	SC	Charga	75° 6' 53.080" E	33° 14' 22.665" N
SC	MAC	Neera	75° 15' 34.087" E	33° 14' 12.521" N
SC	SC	Gujarah	75° 20' 34.814" E	33° 18' 38.331" N
SC	SC	Darzipora	75° 19' 7.326" E	33° 19' 14.641" N
SC	SC	Morchagali	75° 5' 46.370" E	33° 16' 34.377" N
SC	MAC	Bangara	75° 17' 15.006" E	33° 18' 46.037" N
SC	MAC	Balhote	75° 15' 22.118" E	33° 17' 18.282" N
SC	SC	Gagra	75° 1' 7.350" E	33° 18' 34.798" N

Table 23: Health facilities in Rajouri District

RAJOURI				
HF_Type	Org_HFT	Location	Longitude	Latitude
CHC	SDH	Darhal	74° 24' 49.258" E	33° 29' 16.155" N
CHC	SDH/SC	Thanamandi	74° 22' 5.618" E	33° 32' 30.687" N
CHC	SDH	Kandi	74° 30' 33.825" E	33° 23' 22.379" N
CHC	SDH	Nowshera	74° 14' 18.246" E	33° 9' 35.068" N
CHC	SDH	Sunderbani	74° 29' 26.878" E	33° 2' 54.893" N
CHC	EH	Sail Sui	74° 21' 38.923" E	33° 13' 51.153" N
CHC	DH/DDT/UH*	Rajouri	74° 18' 7.591" E	33° 22' 52.238" N
CHC	SDH	Kalakote	74° 25' 24.057" E	33° 13' 40.076" N
CHC	SDH/CHC	Triyath	74° 33' 48.086" E	33° 8' 53.968" N
PHC	PHC	Lah	74° 21' 19.326" E	33° 29' 37.195" N
PHC	PHC	ShahdaraSharief	74° 20' 31.422" E	33° 33' 20.989" N
PHC	PHC	Budhal	74° 38' 43.755" E	33° 22' 33.162" N
PHC	PHC	Tralla	74° 25' 34.365" E	33° 23' 14.973" N
PHC	PHC	Jamola	74° 26' 3.543" E	33° 19' 55.162" N
PHC	PHC/SC	Khawas	74° 35' 36.550" E	33° 17' 29.164" N

PHC	PHC	Lamberi	74° 21' 17.348" E	33° 7' 35.031" N
PHC	PHC	Langar	74° 10' 35.235" E	33° 9' 37.432" N
PHC	PHC	BaglaNadyala	74° 7' 21.618" E	33° 11' 30.920" N
PHC	PHC	Laroka	74° 6' 52.237" E	33° 13' 51.132" N
PHC	PHC	Androth	74° 10' 36.840" E	33° 14' 34.029" N
PHC	PHC	Balshama	74° 26' 30.973" E	33° 4' 49.461" N
PHC	PHC	Siote	74° 23' 22.461" E	33° 6' 15.270" N
PHC	PHC	KallarChitiar	74° 18' 8.619" E	33° 17' 34.856" N
PHC	AD	Leerawali	74° 20' 29.173" E	33° 27' 56.943" N
PHC	AD/SC	DodasanBala	74° 18' 24.593" E	33° 28' 33.922" N
PHC	AD	Nadian	74° 22' 22.518" E	33° 28' 20.142" N
PHC	AD/SC	Panhad	74° 24' 44.637" E	33° 25' 52.301" N
PHC	AD	Swari	74° 27' 12.732" E	33° 22' 7.810" N
PHC	AD	Mohra	74° 32' 13.183" E	33° 22' 31.778" N
PHC	AD	Samote	74° 36' 3.435" E	33° 22' 19.919" N
PHC	AD	KotChawal	74° 40' 9.258" E	33° 15' 17.977" N
PHC	AD	Plullian	74° 15' 36.893" E	33° 22' 11.243" N
PHC	AD	Sialsui	74° 30' 47.924" E	33° 13' 3.973" N
PHC	AD	Saranu	74° 19' 26.007" E	33° 18' 0.515" N
PHC	AD	Darkeri	74° 27' 22.563" E	33° 16' 28.073" N
PHC	AD	Argi	74° 22' 39.859" E	33° 17' 58.125" N
PHC	SC/PHC	Manjakote	74° 15' 44.221" E	33° 28' 6.879" N
PHC	PHC	Dilhori	74° 23' 29.900" E	33° 18' 18.162" N
PHC	PHC	Garan	74° 21' 3.575" E	33° 10' 22.922" N
PHC	PHC	Bagla	74° 12' 18.090" E	33° 16' 39.251" N
PHC	AD	Dhoke	74° 23' 50.437" E	33° 31' 54.624" N
PHC	AD	Dodaz	74° 24' 34.369" E	33° 27' 51.816" N
PHC	PHC	Peeri	74° 27' 2.895" E	33° 24' 57.789" N
PHC	PHC	UpparHatal	74° 33' 21.012" E	33° 6' 45.376" N
PHC	PHC/SC	Mogla	74° 29' 13.051" E	33° 12' 26.117" N
PHC	AD	DodasanPain	74° 18' 56.689" E	33° 27' 10.373" N
PHC	PHC	Seri	74° 17' 47.631" E	33° 4' 46.880" N
PHC	PHC	GhambirMouglan	74° 17' 59.260" E	33° 31' 40.289" N
SC	MAC	Bari Darhal	74° 25' 51.091" E	33° 29' 32.297" N
SC	MAC	Bathooni	74° 18' 58.059" E	33° 19' 20.846" N
SC	MAC	ChakPatli	74° 34' 15.216" E	33° 15' 3.773" N
SC	MAC/SC	Targain	74° 36' 27.287" E	33° 23' 7.231" N
SC	MAC/SC	Bagnoti	74° 17' 8.850" E	33° 8' 46.942" N
SC	SC	Ujhan	74° 21' 0.723" E	33° 25' 30.711" N
SC	SC	Palama	74° 22' 12.254" E	33° 22' 43.905" N
SC	SC	Fatehpur	74° 17' 47.542" E	33° 25' 32.648" N
SC	SC	Rajdhani	74° 13' 34.587" E	33° 27' 42.094" N
SC	SC	Behrote	74° 20' 43.047" E	33° 30' 16.411" N
SC	SC	DeriRelyote	74° 14' 59.353" E	33° 31' 34.159" N
SC	SC	Sarotah	74° 27' 26.890" E	33° 11' 59.119" N
SC	MAC/SC	Kanthol	74° 30' 49.276" E	33° 18' 28.546" N

SC	SC	Saroola	74° 14' 20.007" E	33° 28' 17.427" N
SC	SC	Rajdhani	74° 20' 51.269" E	33° 31' 31.901" N
SC	SC	Badanoo	74° 21' 42.155" E	33° 27' 8.511" N
SC	SC	Kakora	74° 16' 35.059" E	33° 26' 34.935" N
SC	SC	Azamtabad	74° 23' 12.742" E	33° 33' 54.254" N
SC	SC	Baljaralian	74° 21' 36.664" E	33° 18' 15.624" N
SC	SC	Leeran	74° 22' 57.962" E	33° 26' 35.264" N
SC	SC	KotliKalaban	74° 16' 54.669" E	33° 32' 4.208" N
SC	SC	Thandikassi	74° 16' 15.260" E	33° 23' 51.013" N
SC	SC	Jawaharnagar	74° 19' 41.218" E	33° 21' 55.156" N
SC	SC	Dhanidhar	74° 19' 16.555" E	33° 22' 24.335" N
SC	SC	Mangota	74° 23' 43.999" E	33° 31' 18.975" N
SC	SC	Potha	74° 23' 21.404" E	33° 7' 36.492" N
SC	SC	Allal	74° 23' 52.633" E	33° 32' 59.085" N
SC	SC	Dhabrote	74° 13' 28.756" E	33° 31' 0.746" N
SC	SC	Mangalnar	74° 13' 53.849" E	33° 29' 16.946" N
SC	SC	Khurad(Gharad)	74° 23' 7.259" E	33° 25' 18.384" N
SC	SC	GurданBala	74° 17' 14.687" E	33° 25' 17.080" N
SC	SC	NagrotaSathla	74° 22' 44.499" E	33° 21' 37.745" N
SC	SC	Kalali	74° 16' 53.050" E	33° 29' 3.398" N
SC	SC	Hidayatpur	74° 17' 53.119" E	33° 13' 28.356" N
SC	SC	Dhangri	74° 20' 37.011" E	33° 19' 39.556" N
SC	SC	Sagrawat	74° 24' 4.669" E	33° 29' 8.263" N
SC	SC	Kalalkas	74° 23' 24.424" E	33° 20' 55.679" N
SC	SC	Badhal	74° 34' 7.208" E	33° 19' 12.826" N
SC	SC	Sankari	74° 23' 36.874" E	33° 23' 15.512" N
SC	SC	ParooriGujjaran	74° 25' 39.009" E	33° 26' 15.574" N
SC	SC	Daraj	74° 33' 12.623" E	33° 22' 20.992" N
SC	SC	Pangnara	74° 22' 17.627" E	33° 11' 47.645" N
SC	SC	Rehan	74° 26' 22.667" E	33° 24' 13.099" N
SC	SC	Khorbani	74° 37' 54.550" E	33° 14' 9.902" N
SC	SC	HubbiKallar	74° 30' 5.277" E	33° 22' 11.651" N
SC	SC	GuraSarkarri	74° 27' 21.538" E	33° 26' 34.305" N
SC	SC	NarlaKotharwal	74° 39' 57.545" E	33° 13' 22.637" N
SC	SC	Dandote	74° 40' 2.490" E	33° 21' 52.655" N
SC	SC	Patrari	74° 22' 41.210" E	33° 12' 40.712" N
SC	SC	Hanjana	74° 15' 25.630" E	33° 8' 33.191" N
SC	SC	DabbarPotha	74° 15' 38.840" E	33° 7' 50.450" N
SC	SC	Kheri I	74° 18' 20.670" E	33° 6' 57.537" N
SC	SC	Rani Badhtor	74° 13' 24.230" E	33° 13' 21.614" N
SC	SC	Pukharni	74° 29' 34.485" E	33° 0' 36.419" N
SC	SC	Langar	74° 31' 19.790" E	33° 4' 42.424" N
SC	SC	Jhangar	74° 3' 14.973" E	33° 14' 18.226" N
SC	SC	Kalsiyan	74° 7' 29.242" E	33° 10' 57.416" N
SC	SC	Sangpur	74° 16' 15.042" E	33° 14' 20.573" N
SC	SC	Chingus	74° 15' 25.340" E	33° 14' 45.181" N

SC	SC	Challas	74° 8' 26.595" E	33° 16' 32.270" N
SC	SC	Batera	74° 23' 34.872" E	33° 10' 57.977" N
SC	SC	Treru	74° 31' 59.304" E	33° 14' 36.273" N
SC	SC/MAC	Marchola	74° 29' 18.664" E	33° 5' 14.733" N
SC	SC	Nara Majra	74° 32' 59.691" E	33° 11' 55.019" N
SC	SC	Parat	74° 27' 40.916" E	33° 5' 59.293" N
SC	SC	Barnara	74° 34' 7.412" E	33° 4' 40.585" N
SC	SC	Khadarian	74° 19' 27.820" E	33° 14' 53.540" N
SC	SC	DhokBaniyar	74° 24' 30.820" E	33° 2' 3.383" N
SC	SC	Kothiyan	74° 21' 54.143" E	33° 15' 17.978" N
SC	SC	TalaThanda	74° 26' 53.372" E	33° 3' 39.800" N
SC	SC	Pangah	74° 21' 18.545" E	33° 33' 38.094" N
SC	SC	Barwari	74° 30' 27.635" E	33° 14' 50.921" N
SC	SC	Dharamsal	74° 24' 24.272" E	33° 8' 22.103" N
SC	SC	Talyote	74° 23' 50.758" E	33° 12' 23.031" N
SC	SC	Dali	74° 26' 26.815" E	33° 13' 40.936" N
SC	SC	GambhirBrahmana	74° 14' 49.809" E	33° 24' 56.459" N
SC	SC	Kakora	74° 16' 28.024" E	33° 26' 2.717" N
SC	SC	Neili	74° 15' 43.185" E	33° 27' 48.647" N
SC	SC	Nagrota	74° 22' 5.348" E	33° 22' 23.019" N
SC	SC	ShahporaDoongi	74° 13' 2.935" E	33° 20' 5.927" N
SC	SC	DharaSanwala	74° 14' 5.926" E	33° 21' 29.666" N
SC	SC	Odhan	74° 38' 13.131" E	33° 14' 47.117" N
SC	SC	Goonda	74° 35' 10.667" E	33° 15' 41.750" N
SC	SC	Dhaleri	74° 32' 44.851" E	33° 15' 38.000" N
SC	SC	Broh	74° 25' 39.639" E	33° 16' 7.321" N
SC	SC	Solki	74° 25' 50.063" E	33° 9' 32.001" N
SC	SC	Ranthal	74° 28' 54.972" E	33° 8' 25.443" N
SC	SC	Mangalnar	74° 14' 6.691" E	33° 30' 46.632" N
SC	SC	Kangota	74° 14' 15.043" E	33° 7' 6.114" N
SC	SC	Dalhuri	74° 24' 4.863" E	33° 17' 59.678" N
SC	SC	NiharKassi	74° 27' 11.311" E	33° 20' 24.012" N
SC	SC	Kangri	74° 25' 8.695" E	33° 3' 18.723" N
SC	SC/MAC	Sia(Siya)	74° 36' 47.793" E	33° 5' 59.786" N
SC	SC	Kaldubi	74° 25' 23.731" E	33° 1' 57.729" N
SC	SC	Bandrahi	74° 37' 32.180" E	33° 6' 24.185" N
SC	MAC	SalairChaata	74° 25' 13.747" E	33° 13' 13.028" N
SC	SC/ISM	Saaj	74° 20' 0.803" E	33° 27' 4.940" N
SC	SC	Khakha	74° 18' 13.138" E	33° 26' 27.428" N
SC	SC	Kunda	74° 17' 42.448" E	33° 27' 30.568" N
SC	SC	Badakhana	74° 20' 37.415" E	33° 29' 13.468" N
SC	SC	HasyoteBhattian	74° 19' 25.052" E	33° 29' 12.286" N
SC	SC	Topa	74° 25' 45.957" E	33° 28' 23.864" N
SC	SC	SabziGujran	74° 25' 48.204" E	33° 27' 4.235" N
SC	SC	MairiGujran	74° 16' 7.820" E	33° 20' 48.607" N
SC	SC	Paryali	74° 12' 59.457" E	33° 26' 6.548" N

SC	SC	Hartal	74° 19' 11.044" E	33° 23' 22.548" N
SC	SC	Hayat Pur	74° 16' 4.521" E	33° 29' 17.487" N
SC	SC	Kangota	74° 37' 53.856" E	33° 21' 15.153" N
SC	SC	Sada	74° 31' 2.666" E	33° 23' 15.726" N
SC	SC	GundiKhwas	74° 36' 10.765" E	33° 18' 6.890" N
SC	SC	Khan No 1	74° 29' 43.939" E	33° 20' 32.754" N
SC	SC	Kewal	74° 38' 21.395" E	33° 21' 47.209" N
SC	SC	DewanPhalian	74° 36' 17.988" E	33° 20' 51.751" N
SC	SC	SyariKewal	74° 38' 47.171" E	33° 20' 51.043" N
SC	SC	BehlaPanch	74° 37' 8.798" E	33° 18' 15.269" N
SC	SC	Sawara Galla	74° 26' 37.852" E	33° 23' 27.431" N
SC	SC	Gallan	74° 21' 25.518" E	33° 3' 18.344" N
SC	SC	Sofa	74° 24' 40.782" E	33° 1' 37.811" N
SC	SC	Tanda(Tala)	74° 23' 19.511" E	33° 3' 25.384" N
SC	SC	Salari	74° 25' 54.793" E	33° 4' 34.866" N
SC	SC	Kalka Muthini	74° 33' 39.100" E	33° 12' 11.682" N
SC	SC	Changesar Gala	74° 26' 36.987" E	33° 8' 24.606" N
SC	SC	Bamliya	74° 35' 54.553" E	33° 8' 31.197" N
SC	SC	Brevi	74° 26' 49.602" E	33° 9' 24.304" N
SC	SC	ChanniChawa	74° 26' 35.333" E	33° 6' 5.187" N
SC	SC	Khairsu	74° 29' 35.794" E	33° 13' 56.469" N
SC	SC	Pali	74° 26' 34.900" E	33° 1' 9.914" N
SC	SC	Powal	74° 23' 3.820" E	33° 2' 31.627" N
SC	SC	Bawani	74° 12' 8.459" E	33° 9' 40.967" N
SC	SC	Dandesar	74° 19' 5.867" E	33° 8' 6.233" N
SC	SC	Siyal	74° 19' 23.537" E	33° 4' 45.571" N
SC	SC	Kher II	74° 18' 30.749" E	33° 6' 33.254" N
SC	SC	ShahporDongi	74° 17' 10.825" E	33° 18' 14.615" N
SC	SC	Rajporkamila	74° 11' 13.477" E	33° 12' 32.894" N
SC	SC	Mangnote	74° 18' 25.580" E	33° 3' 52.705" N
SC	SC	Ganiya	74° 11' 20.629" E	33° 8' 53.296" N
SC	SC	Panhar	74° 23' 3.586" E	33° 9' 33.225" N
SC	SC	Qui Nariyan	74° 16' 39.644" E	33° 13' 28.784" N
SC	SC	Panjarian	74° 15' 9.266" E	33° 24' 21.515" N
SC	SC	Tatapani	74° 24' 55.342" E	33° 14' 30.782" N
SC	SC	Bruta	74° 31' 13.941" E	33° 13' 56.985" N
SC	SC	KeshGarh	74° 31' 59.700" E	33° 11' 25.044" N
SC	SC	Panjah	74° 25' 2.438" E	33° 10' 53.534" N
SC	SC	Andh	74° 24' 3.929" E	33° 9' 10.905" N
SC	SC	Kanera	74° 10' 59.828" E	33° 10' 52.791" N
SC	SC	UpparKalkote	74° 25' 14.123" E	33° 13' 27.532" N
SC	SC	SairMakri	74° 24' 25.662" E	33° 13' 17.063" N

Table 24: Health facilities in Reasi District

REASI				
HF_Type	Org_HFT	LOCATION	Longitude	Latitude
CHC	SDH/UHC	Katra (NAC)	74° 56' 29.879" E	32° 59' 21.220" N
CHC	DH	Riyasi (NAC)	74° 49' 31.818" E	33° 5' 4.536" N
CHC	SDH	Mahore	74° 51' 40.800" E	33° 18' 37.805" N
PHC	PHC	Letar	74° 35' 39.465" E	33° 3' 41.120" N
PHC	PHC	Pouni	74° 42' 2.382" E	33° 5' 21.949" N
PHC	PHC	Toot	74° 59' 32.701" E	33° 5' 54.596" N
PHC	PHC	Bharakh	74° 38' 18.787" E	33° 7' 43.740" N
PHC	PHC	Ransoo	74° 36' 13.931" E	33° 9' 52.651" N
PHC	PHC	Thakara Kot	74° 44' 16.280" E	33° 10' 14.227" N
PHC	PHC	Arnas	74° 49' 13.496" E	33° 10' 59.159" N
PHC	AD	Jij	74° 45' 5.330" E	33° 14' 20.953" N
PHC	AD	Budhan	74° 57' 16.565" E	33° 16' 21.079" N
PHC	PHC	Bana	74° 43' 2.425" E	33° 19' 40.963" N
PHC	PHC	Lar	74° 55' 57.409" E	33° 24' 28.562" N
PHC	AD	Dewal	74° 54' 13.677" E	33° 24' 43.764" N
PHC	PHC	Dharmari	74° 50' 24.226" E	33° 15' 25.812" N
PHC	PHC	Bagodas	74° 48' 5.249" E	33° 25' 25.816" N
PHC	PHC	Gota	74° 42' 54.609" E	33° 21' 40.563" N
PHC	AD	Balmat Kote	74° 48' 56.197" E	33° 22' 6.961" N
PHC	PHC	Miari	74° 56' 0.248" E	32° 55' 50.965" N
PHC	AD	Bhawan	74° 56' 56.780" E	33° 1' 49.612" N
PHC	AD	Adikwari	74° 56' 44.901" E	33° 0' 38.063" N
PHC	SC/AD	Thuru	74° 51' 54.723" E	33° 14' 43.428" N
PHC	AD	Tuli	74° 43' 7.521" E	33° 20' 7.132" N
SC	SC	Kanjli	74° 51' 23.378" E	32° 57' 22.071" N
SC	SC	Manun	74° 57' 14.134" E	32° 58' 18.525" N
SC	SC	Akhli	74° 54' 26.604" E	32° 59' 43.389" N
SC	SC	Charakot	74° 55' 58.816" E	33° 0' 19.748" N
SC	SC	Garan	74° 53' 58.648" E	33° 0' 50.664" N
SC	SC	Dera Baba Bandha	74° 49' 4.225" E	33° 0' 13.097" N
SC	SC	Bhanganal	74° 53' 36.185" E	33° 1' 10.552" N
SC	MAC	Kaharwah	74° 53' 6.121" E	33° 2' 1.169" N
SC	SC	Bhaga	74° 51' 57.759" E	33° 2' 49.554" N
SC	MAC	Kothri	74° 58' 51.237" E	33° 5' 1.108" N
SC	SC	Bhabar Rosyala	74° 48' 35.158" E	33° 2' 19.411" N
SC	SC	Sukhal Ghat	75° 0' 45.874" E	33° 1' 57.662" N
SC	SC	Dadoo	74° 38' 2.370" E	33° 4' 14.855" N
SC	SC	Dab Jagir	74° 40' 22.671" E	33° 4' 33.536" N
SC	SC	Kund Kanahrhi	74° 41' 40.372" E	33° 4' 7.982" N
SC	SC	Kharal	74° 43' 10.482" E	33° 3' 22.569" N
SC	SC	Charala Kot	74° 56' 23.359" E	33° 6' 15.408" N
SC	MAC	Khera Lehar	74° 39' 24.143" E	33° 6' 9.334" N
SC	SC	Sadheen	74° 38' 46.296" E	33° 6' 12.114" N

SC	SC	Danga Kot	74° 57' 52.647" E	33° 6' 27.641" N
SC	SC	Dhanwan	74° 43' 25.102" E	33° 5' 10.787" N
SC	SC	Kotli	74° 56' 44.573" E	33° 8' 46.895" N
SC	SC	Chaurakot	74° 55' 17.377" E	33° 7' 37.750" N
SC	SC	Sujandhar	74° 56' 35.195" E	33° 8' 5.403" N
SC	MAC	Sarot Kot	74° 59' 38.491" E	33° 9' 3.671" N
SC	SC	Bakal	74° 53' 30.226" E	33° 8' 57.005" N
SC	SC	Mataa	74° 44' 2.657" E	33° 9' 10.673" N
SC	SC	Salal	74° 49' 29.071" E	33° 9' 42.303" N
SC	SC	Dharan	74° 47' 4.411" E	33° 9' 40.112" N
SC	MAC	Kanthan	74° 51' 7.969" E	33° 10' 36.680" N
SC	SC	Sangar	74° 38' 44.754" E	33° 10' 7.455" N
SC	SC	Chankah	74° 47' 58.779" E	33° 11' 4.894" N
SC	MAC	Dhanorh	74° 57' 40.379" E	33° 11' 2.135" N
SC	SC	Dayoota (Bayoota)	74° 42' 31.254" E	33° 11' 29.561" N
SC	SC	Handar	74° 51' 1.436" E	33° 12' 16.827" N
SC	MAC	Pattian	74° 43' 55.100" E	33° 11' 17.786" N
SC	SC	Kanthi	74° 48' 29.423" E	33° 13' 47.075" N
SC	SC	Chilad	74° 53' 28.239" E	33° 13' 21.350" N
SC	SC	Narkote	74° 42' 10.183" E	33° 15' 47.444" N
SC	SC	Thiloo	74° 49' 0.290" E	33° 16' 39.615" N
SC	MAC	Dubri	74° 49' 45.191" E	33° 18' 26.405" N
SC	SC	Jamaslan	74° 54' 32.029" E	33° 17' 54.424" N
SC	SC	Shajroo	74° 53' 9.790" E	33° 17' 20.947" N
SC	SC	Shikari	74° 48' 52.809" E	33° 19' 17.349" N
SC	SC	Hassot	74° 44' 4.683" E	33° 20' 45.824" N
SC	SC	Bathoie	74° 53' 55.924" E	33° 19' 45.775" N
SC	SC	Sarh	74° 51' 13.923" E	33° 20' 22.227" N
SC	SC	Chassana	74° 44' 16.715" E	33° 21' 47.335" N
SC	SC	Baddar	74° 50' 6.435" E	33° 22' 32.277" N
SC	SC	Shadool	74° 55' 51.640" E	33° 23' 22.474" N
SC	SC	Dandakot	74° 45' 19.761" E	33° 22' 39.873" N
SC	SC	Kundradhan	74° 41' 9.954" E	33° 22' 14.983" N
SC	SC	Maman Kot	74° 42' 55.755" E	33° 25' 7.534" N
SC	SC	Shibras	74° 52' 34.544" E	33° 25' 5.577" N
SC	SC	Gulab Garh	74° 55' 20.427" E	33° 25' 44.812" N
SC	SC	Lancha	74° 55' 29.226" E	33° 15' 31.861" N
SC	SC	Chaklas	74° 55' 35.604" E	33° 17' 27.211" N
SC	SC	Angrala	74° 53' 26.541" E	33° 22' 6.667" N
SC	SC	Sungri	74° 47' 30.723" E	33° 21' 7.778" N
SC	SC	Kalwa	74° 54' 0.664" E	33° 18' 7.033" N
SC	SC	Barote	74° 58' 0.952" E	33° 7' 27.180" N
SC	SC	Sujji	74° 43' 43.349" E	33° 21' 36.975" N
sc	SC	Ghar Jeto	74° 52' 23.221" E	33° 2' 3.058" N
SC	SC	Nuwain	74° 54' 32.334" E	32° 58' 37.738" N
SC	SC	Sanjhi Chatt	74° 56' 16.437" E	33° 1' 16.852" N

SC	SC	Chiran Padika	74° 56' 27.499" E	33° 1' 2.068" N
SC	SC	Kheral II	74° 45' 37.018" E	33° 4' 14.061" N
sc	SC	Akhli Bhutian	74° 53' 49.663" E	32° 59' 41.192" N
SC	SC	Matlot	74° 50' 55.161" E	33° 13' 26.203" N
SC	SC	Tarmata	74° 54' 11.682" E	33° 16' 1.308" N

Table 25: Health facilities in Samba District

SAMBA				
HF_Type	Org_HFT	Location	Longitude	Latitude
CHC	SDH	RAM_GARH	74° 57' 52.662" E	32° 30' 28.327" N
CHC	SDH	SAMBA	75° 7' 14.306" E	32° 33' 54.708" N
CHC	AD(AH)	VIJAY_PORE	75° 1' 36.097" E	32° 34' 21.231" N
PHC	SC/AD	Tarore	74° 56' 59.736" E	32° 36' 16.551" N
PHC	AD	Garain	75° 16' 30.528" E	32° 35' 49.447" N
PHC	AD	Bari Khad	74° 58' 29.022" E	32° 38' 15.139" N
PHC	PHC	Sanora	75° 10' 47.521" E	32° 29' 19.457" N
PHC	PHC	Sanora	75° 10' 47.521" E	32° 29' 19.457" N
PHC	PHC	BINDRAL	74° 58' 51.219" E	32° 31' 9.513" N
PHC	PHC	RATAN_PUR	75° 1' 35.403" E	32° 31' 32.297" N
PHC	PHC	DAGHOR	75° 4' 1.848" E	32° 34' 42.070" N
PHC	PHC	RAYA	74° 59' 42.975" E	32° 37' 4.192" N
PHC	PHC	GORAH_SALATHIAN	75° 3' 6.073" E	32° 37' 23.324" N
PHC	PHC	NEED	75° 10' 29.706" E	32° 37' 31.826" N
PHC	PHC	SOMBLI	74° 58' 42.502" E	32° 41' 40.789" N
PHC	PHC	PURMANDAL	75° 3' 32.943" E	32° 41' 49.997" N
PHC	PHC/SC	GADWAL	75° 0' 32.559" E	32° 33' 9.848" N
SC	SC	Bobia	75° 12' 28.374" E	32° 24' 21.506" N
SC	SC	Loundhi	75° 12' 43.141" E	32° 25' 24.111" N
SC	SC	Panj Grain Brahmanan	75° 12' 45.064" E	32° 25' 49.884" N
SC	SC	Chachwal	75° 8' 12.492" E	32° 26' 6.521" N
SC	SC	Chachwal	75° 8' 12.492" E	32° 26' 6.521" N
SC	SC	Thakur PurGrore	75° 13' 27.717" E	32° 26' 6.905" N
SC	SC	Sadwal	75° 11' 14.226" E	32° 26' 30.126" N
SC	SC	Ragal	75° 7' 18.400" E	32° 27' 53.198" N
SC	SC	Ragal	75° 7' 18.400" E	32° 27' 53.198" N
SC	SC	KatalBrahmanan	75° 12' 51.696" E	32° 27' 52.772" N
SC	SC	Natwal	74° 57' 6.623" E	32° 28' 20.585" N
SC	SC	CHAJWAL	74° 59' 39.405" E	32° 28' 25.511" N
SC	SC	Kuliyankangwal	75° 6' 20.472" E	32° 28' 31.869" N
SC	SC	RANGOUR	74° 58' 39.870" E	32° 28' 53.267" N
SC	SC	KAMAR	74° 59' 0.547" E	32° 29' 5.992" N
SC	SC	Mawa	75° 7' 34.485" E	32° 29' 12.273" N
SC	SC	Mawa	75° 7' 34.485" E	32° 29' 12.273" N
SC	SC	ChhanKhatriyan	75° 13' 51.047" E	32° 29' 25.339" N
SC	SC	Dug	74° 54' 5.704" E	32° 29' 35.798" N

SC	SC	KANGWALA	75° 4' 28.734" E	32° 29' 36.413" N
SC	SC	ABTAL	74° 55' 36.983" E	32° 29' 39.835" N
SC	SC	Mandhera	75° 10' 2.396" E	32° 30' 6.685" N
SC	SC	Naran	75° 9' 27.108" E	32° 30' 29.340" N
SC	SC	Naran	75° 9' 27.108" E	32° 30' 29.340" N
SC	SC	Pakhri	74° 59' 58.278" E	32° 30' 30.842" N
SC	SC	Dhamayal	75° 15' 53.170" E	32° 30' 38.196" N
SC	SC	Ghagwal	75° 12' 52.672" E	32° 30' 47.528" N
SC	SC	Koohtah	75° 14' 40.996" E	32° 30' 47.912" N
SC	SC	RAIPUR	75° 4' 58.643" E	32° 31' 0.718" N
SC	SC	Rai	75° 14' 2.532" E	32° 31' 6.712" N
SC	SC	Rai	75° 14' 2.532" E	32° 31' 6.712" N
SC	SC	CHAK_BALOTRIYAN	74° 56' 2.687" E	32° 31' 9.397" N
SC	SC	Chan Khana	75° 10' 25.992" E	32° 31' 12.836" N
SC	SC	Chan Khana	75° 10' 25.992" E	32° 31' 12.836" N
SC	SC	Nunath	75° 12' 24.629" E	32° 31' 19.963" N
SC	SC	Nunath	75° 12' 24.629" E	32° 31' 19.963" N
SC	SC	Karolian	74° 59' 5.815" E	32° 31' 31.421" N
SC	SC	RAHIAN	75° 8' 3.524" E	32° 31' 31.344" N
SC	SC	Sargal	75° 9' 12.526" E	32° 31' 38.773" N
SC	SC	Check Bana	74° 59' 38.844" E	32° 31' 51.507" N
SC	SC	KOL_PUR	75° 1' 1.996" E	32° 32' 4.450" N
SC	SC	CHAK_MANGA_RAKWAL	75° 5' 56.358" E	32° 32' 11.078" N
SC	SC	Sungwali	75° 11' 55.335" E	32° 32' 11.957" N
SC	SC	Sungwali	75° 11' 55.335" E	32° 32' 11.957" N
SC	SC	Jatwal	75° 10' 59.473" E	32° 32' 16.204" N
SC	SC	SWANKHA	74° 56' 5.674" E	32° 32' 17.785" N
SC	SC	SHAHZAD_PUR	74° 57' 36.932" E	32° 32' 17.871" N
SC	SC	Kalah	74° 56' 9.752" E	32° 32' 27.485" N
SC	SC	CHAK_SALARIAN	74° 59' 47.080" E	32° 32' 27.830" N
SC	SC	RAKH_AMBHATAHLI	75° 7' 32.896" E	32° 32' 42.250" N
SC	SC	Deani	75° 9' 18.389" E	32° 32' 43.424" N
SC	SC	RAKH_JHANG	74° 54' 27.112" E	32° 32' 45.689" N
SC	SC	SOJA_WAN	75° 3' 7.269" E	32° 33' 0.591" N
SC	SC	Sandi	75° 13' 27.680" E	32° 32' 59.955" N
SC	SC	Sandi	75° 13' 27.680" E	32° 32' 59.955" N
SC	SC	RAIKA_LABANAH	74° 56' 0.746" E	32° 33' 21.164" N
SC	SC	GURAH_BRAHMANA	74° 57' 16.317" E	32° 33' 24.229" N
SC	SC	Supwal	75° 3' 52.885" E	32° 33' 24.389" N
SC	SC	Surara	75° 15' 24.443" E	32° 33' 44.029" N
SC	SC	Surara	75° 15' 24.329" E	32° 33' 50.248" N
SC	SC	Surara	75° 15' 24.329" E	32° 33' 50.248" N
SC	SC	MANDI_GARH	75° 8' 27.858" E	32° 33' 55.556" N
SC	SC	Sungaali (Sungalaali)	75° 13' 26.695" E	32° 34' 7.812" N
SC	SC	Sungaali (Sungalaali)	75° 13' 26.695" E	32° 34' 7.812" N
SC	SC	Odh	75° 16' 25.089" E	32° 34' 25.296" N

SC	SC	Odh	75° 16' 25.089" E	32° 34' 25.296" N
SC	SC	Daboj Kaka	74° 57' 40.685" E	32° 34' 27.636" N
SC	SC	Khabal	75° 18' 22.173" E	32° 35' 4.429" N
SC	SC	PANTHI	75° 10' 9.375" E	32° 35' 9.336" N
SC	SC	BUDWANA	75° 17' 35.155" E	32° 35' 15.516" N
SC	SC	Deweka	75° 10' 57.210" E	32° 35' 26.074" N
SC	SC	Jakh	74° 58' 4.657" E	32° 35' 32.773" N
SC	SC	GORAN	75° 16' 32.092" E	32° 35' 46.446" N
SC	SC	SANGWAL	75° 0' 38.558" E	32° 36' 0.326" N
SC	SC	Shah Blor	75° 6' 52.851" E	32° 36' 36.501" N
SC	SC	Patti	74° 58' 35.155" E	32° 36' 51.099" N
SC	SC	Hundera	75° 16' 1.647" E	32° 37' 1.265" N
SC	SC	Palli	74° 53' 27.405" E	32° 37' 8.313" N
SC	SC	Kaneer	75° 15' 0.642" E	32° 37' 15.978" N
SC	SC	Ismailpur	74° 57' 55.778" E	32° 37' 47.109" N
SC	SC	MOTIYAN_KALAN	75° 5' 18.180" E	32° 37' 50.262" N
SC	SC	BasiKalan	74° 54' 11.693" E	32° 38' 14.412" N
SC	SC	Sarhan	75° 8' 10.992" E	32° 38' 19.499" N
SC	SC	REWAR	75° 12' 54.213" E	32° 38' 19.279" N
SC	SC	SARNA	75° 7' 24.208" E	32° 38' 22.971" N
SC	SC	BAGUN	75° 16' 9.962" E	32° 38' 30.227" N
SC	SC	Uttarbani	75° 3' 46.552" E	32° 38' 54.482" N
SC	SC	PAPAR_ABOTARA	75° 10' 38.965" E	32° 38' 54.103" N
SC	SC	BIRPUR	74° 57' 9.331" E	32° 39' 49.891" N
SC	SC	KAT_WALTA	75° 2' 49.600" E	32° 39' 52.948" N
SC	SC	Mandal	75° 2' 50.332" E	32° 40' 5.043" N
SC	SC	Karah	74° 58' 54.056" E	32° 40' 12.720" N
SC	SC	SANGAR	75° 4' 21.927" E	32° 40' 35.233" N
SC	SC	Mohargarh	75° 7' 16.889" E	32° 41' 26.382" N
SC	SC	Sandi	74° 59' 16.859" E	32° 42' 38.408" N
SC	SC	DEAWAN	75° 2' 56.005" E	32° 43' 21.291" N
SC	SC	KhannaChargal	74° 57' 55.633" E	32° 44' 45.639" N
SC	SC	Majhan	74° 54' 15.272" E	32° 45' 18.071" N
SC	SC	Bain Bajalta	74° 56' 29.819" E	32° 45' 43.612" N
SC	SC	Sidrah	74° 54' 35.135" E	32° 45' 46.477" N
SC	SC	Pragalata	74° 57' 15.642" E	32° 46' 4.783" N
SC	SC	Aitham	74° 59' 51.929" E	32° 46' 28.591" N
SC	MAC	Sadwal	75° 11' 14.226" E	32° 26' 30.126" N
SC	MAC	Jatwal	75° 10' 59.473" E	32° 32' 16.204" N
SC	MAC	Batal	75° 15' 5.212" E	32° 36' 13.601" N
SC	MAC	TALOUR	75° 11' 14.680" E	32° 36' 58.242" N
SC	MMAC	JAMUDAH	75° 9' 36.383" E	32° 39' 55.703" N

Table 26: Health facilities in Udhampur District

UDHAMPUR				
HF_TYPE	Org_HFT	LOCATION	Long	Lat
CHC	SDH	Ramnagar (NAC)	75° 18' 55.002" E	32° 48' 25.783" N
CHC	DH	Udhampur (TC+OG)	75° 7' 57.214" E	32° 55' 22.337" N
CHC	CHC	Chenani (NAC)	75° 17' 12.032" E	33° 2' 19.713" N
PHC	PHC	Koon	75° 17' 9.986" E	32° 39' 18.766" N
PHC	PHC	Bharnara	75° 12' 41.251" E	32° 42' 6.975" N
PHC	PHC	Thial	75° 15' 44.880" E	32° 42' 24.244" N
PHC	PHC	Mujaltha	75° 11' 4.102" E	32° 44' 18.566" N
PHC	PHC	Jophar	75° 26' 44.114" E	32° 44' 25.237" N
PHC	PHC	Rang	75° 16' 6.754" E	32° 45' 2.050" N
SC	MMAC	Darsooh	75° 8' 23.568" E	32° 47' 59.362" N
PHC	PHC	Basant Garh	75° 32' 58.713" E	32° 48' 37.702" N
PHC	AD	Badhole	75° 17' 32.863" E	32° 49' 37.289" N
PHC	PHC	Bhug Tharian	75° 14' 5.234" E	32° 49' 56.733" N
PHC	PHC	Chanunta	75° 12' 55.806" E	32° 50' 51.334" N
PHC	AD	Pachound	75° 30' 13.746" E	32° 52' 9.777" N
PHC	AD	Sear Manjla	75° 15' 28.083" E	32° 52' 21.993" N
PHC	AD	Dudu	75° 31' 8.617" E	32° 52' 46.134" N
PHC	PHC	Jagahnoo	75° 10' 44.278" E	32° 53' 7.295" N
PHC	PHC	Ghordi	75° 18' 19.305" E	32° 52' 38.779" N
PHC	PHC	Harteryan	75° 4' 28.821" E	32° 54' 19.560" N
PHC	PHC	Gharian Khurd	75° 20' 54.754" E	32° 58' 13.252" N
PHC	AD	Nalla Ghorian	75° 19' 51.331" E	32° 55' 5.370" N
PHC	PHC	Lathi	75° 26' 49.185" E	32° 55' 12.627" N
PHC	PHC	Tikri	74° 59' 6.481" E	32° 56' 40.000" N
PHC	PHC	Karmchi	75° 6' 53.027" E	32° 58' 13.773" N
PHC	AD	Charyai	75° 0' 56.061" E	32° 58' 54.336" N
PHC	AD	Jangal Gali	75° 2' 50.794" E	33° 0' 19.206" N
PHC	PHC	Sudh Mahadev	75° 21' 24.551" E	33° 1' 18.598" N
PHC	AD	Ladha	75° 11' 47.041" E	33° 1' 41.555" N
PHC	AD	Mada	75° 15' 44.510" E	33° 4' 5.188" N
PHC	AD	Kud	75° 17' 43.921" E	33° 4' 34.982" N
PHC	PHC	Mongari	75° 3' 39.858" E	33° 4' 46.307" N
PHC	PHC	Landar	75° 11' 17.093" E	33° 7' 17.937" N
PHC	AD	Badhota	75° 8' 11.748" E	33° 7' 19.622" N
PHC	AD	Kati	75° 12' 57.765" E	33° 7' 34.822" N
PHC	AD	Damnot	75° 2' 50.941" E	33° 7' 44.443" N
PHC	PHC	Panchari	75° 8' 22.451" E	33° 4' 49.157" N
PHC	PHC	Ghari	75° 4' 3.644" E	32° 53' 40.636" N
SC	SC	Naki	75° 18' 30.359" E	32° 39' 59.977" N
SC	SC	Sail Kouri Bar	75° 13' 55.412" E	32° 40' 8.027" N
SC	MAC	Sundla	75° 20' 35.231" E	32° 40' 17.286" N
SC	SC	Bobay	75° 21' 21.344" E	32° 40' 29.843" N
SC	SC	Bhati Badighar	75° 11' 55.388" E	32° 41' 8.800" N

SC	SC	Blas Pur	75° 15' 17.277" E	32° 41' 9.005" N
SC	SC	Paldhai	75° 13' 25.385" E	32° 41' 26.388" N
SC	MAC	Kakrai	75° 9' 50.527" E	32° 42' 52.295" N
SC	MMU	Chirrawah	75° 9' 27.834" E	32° 43' 20.532" N
SC	SC	Jasnal	75° 13' 54.205" E	32° 43' 47.757" N
SC	SC	Buttal	75° 9' 15.395" E	32° 43' 56.031" N
SC	SC	Satrehri	75° 10' 14.281" E	32° 44' 43.902" N
SC	SC	Lehair	75° 25' 9.716" E	32° 44' 55.550" N
SC	MAC	Blotha Chagla	75° 27' 32.951" E	32° 45' 21.334" N
SC	SC	Dheeran	75° 21' 15.017" E	32° 45' 37.229" N
SC	SC	Ghogar Marh	75° 12' 43.962" E	32° 46' 11.194" N
SC	SC	Pingar	75° 11' 13.191" E	32° 46' 46.676" N
SC	SC	Dhiari	75° 16' 7.377" E	32° 47' 1.177" N
SC	SC	Sear Bala	75° 20' 25.601" E	32° 47' 3.136" N
SC	SC	Martha	75° 21' 27.367" E	32° 47' 3.197" N
SC	SC	Pleai	75° 32' 1.440" E	32° 47' 3.398" N
SC	SC	Amroh	75° 22' 33.684" E	32° 47' 29.632" N
SC	SC	Kiya	75° 26' 38.429" E	32° 47' 31.834" N
SC	SC	Khein	75° 17' 32.475" E	32° 47' 42.873" N
SC	SC	Kadwa	75° 36' 56.934" E	32° 47' 47.289" N
SC	SC	Jandriari	75° 21' 46.696" E	32° 48' 4.166" N
SC	SC	Chhatriari	75° 27' 51.558" E	32° 48' 32.807" N
SC	SC	Ladhra	75° 35' 44.942" E	32° 48' 35.472" N
SC	SC	Tagan	75° 22' 48.874" E	32° 48' 43.389" N
SC	SC	Seojdhar (Majhori HQ)	75° 29' 6.128" E	32° 48' 50.099" N
SC	SC	Dalsar	75° 19' 4.444" E	32° 49' 1.023" N
SC	SC	Bari	75° 24' 3.483" E	32° 49' 13.952" N
SC	MAC	Pattiare	75° 12' 43.874" E	32° 49' 17.430" N
SC	SC	Sanetar	75° 13' 37.531" E	32° 49' 36.620" N
SC	SC	Kooh	75° 11' 39.202" E	32° 49' 38.306" N
SC	MAC	Sulan	75° 22' 24.119" E	32° 49' 49.263" N
SC	SC	Satian	75° 24' 24.066" E	32° 49' 53.026" N
SC	SC	Riti	75° 10' 14.086" E	32° 49' 56.141" N
SC	SC	Punj Garian	75° 15' 58.720" E	32° 50' 19.249" N
SC	SC	Shiv Gali	75° 31' 30.457" E	32° 50' 39.855" N
SC	SC	Kella	75° 24' 24.606" E	32° 50' 51.140" N
SC	SC	Surni	75° 18' 29.185" E	32° 50' 55.907" N
SC	SC	Rounmail	75° 8' 46.979" E	32° 50' 56.971" N
SC	SC	Johan	75° 12' 9.776" E	32° 51' 2.077" N
SC	SC	Majua	75° 21' 11.997" E	32° 51' 4.953" N
SC	SC	Kasuri	75° 16' 37.653" E	32° 51' 46.177" N
SC	SC	Garnai	75° 3' 22.981" E	32° 52' 23.777" N
SC	SC	Dhandal	75° 13' 0.904" E	32° 52' 39.566" N
SC	SC	Malhar	75° 5' 18.464" E	32° 52' 49.530" N
SC	SC	Balian	75° 7' 25.150" E	32° 52' 57.276" N
SC	MAC	Nalla Malion	75° 20' 52.858" E	32° 53' 25.171" N

SC	MAC	Chapper	75° 25' 4.062" E	32° 53' 31.193" N
SC	SC	Mand	75° 1' 27.016" E	32° 53' 42.911" N
SC	SC	Jakhad	75° 28' 30.234" E	32° 53' 53.493" N
SC	SC	Kawa	75° 9' 46.478" E	32° 54' 11.014" N
SC	SC	Rakh Badali	75° 6' 35.161" E	32° 54' 22.491" N
SC	SC	ThandadaPadder(Sateni)	75° 8' 14.774" E	32° 54' 27.179" N
SC	SC	Kallar	75° 7' 47.344" E	32° 54' 31.002" N
SC	SC	Sansooh	75° 5' 35.513" E	32° 54' 55.190" N
SC	SC	Sen Thakran	75° 2' 20.895" E	32° 54' 55.048" N
SC	SC	Jib	75° 3' 29.646" E	32° 55' 9.805" N
SC	SC	Bermean	75° 15' 9.231" E	32° 55' 11.615" N
SC	SC	Saglar	75° 11' 43.178" E	32° 55' 17.110" N
SC	SC	Mutlea (Mathloa)	75° 23' 12.219" E	32° 55' 36.883" N
SC	SC	Chang	75° 1' 50.958" E	32° 55' 46.398" N
SC	MAC	Satialta	75° 17' 49.382" E	32° 55' 47.281" N
SC	SC	Sira	75° 23' 33.313" E	32° 55' 51.492" N
SC	SC	Shiv Nagar	75° 8' 0.016" E	32° 56' 2.363" N
SC	SC	Jikhain	75° 9' 9.574" E	32° 56' 8.505" N
SC	SC	Salmairi	75° 5' 53.772" E	32° 56' 16.687" N
SC	SC	Barola	75° 1' 57.770" E	32° 56' 35.377" N
SC	MAC	Ladan	75° 10' 6.202" E	32° 56' 45.174" N
SC	MAC	Sen Brahmana	75° 0' 32.721" E	32° 56' 56.486" N
SC	SC	Kambal Danga	75° 1' 54.193" E	32° 57' 6.104" N
SC	MAC	Chack Rakwalan	75° 5' 6.454" E	32° 57' 17.570" N
SC	SC	Dhanoo	75° 0' 36.468" E	32° 57' 37.108" N
SC	SC	Marothi	75° 24' 28.404" E	32° 57' 42.987" N
SC	SC	Dhargadian	75° 14' 2.327" E	32° 58' 4.930" N
SC	SC	Gandala	75° 7' 53.288" E	32° 58' 9.620" N
SC	SC	Bali	75° 10' 9.338" E	32° 59' 24.375" N
SC	MAC	Satyalta	75° 15' 29.492" E	32° 59' 31.500" N
SC	MAC	Jassarkote	75° 1' 54.533" E	32° 59' 33.032" N
SC	SC	Charat	75° 13' 24.497" E	32° 59' 32.464" N
SC	SC	Gharian Kalan	75° 19' 34.463" E	32° 59' 36.985" N
SC	SC	Mohar	75° 11' 12.841" E	32° 59' 45.837" N
SC	SC	Pangara Jagir	75° 7' 17.842" E	32° 59' 55.719" N
SC	SC	Jadsar Kote	75° 4' 13.031" E	33° 0' 17.241" N
SC	SC	Mantali	75° 21' 22.215" E	33° 0' 11.987" N
SC	SC	Nuglta	75° 18' 49.261" E	33° 0' 33.291" N
SC	SC	Sewna	75° 15' 35.690" E	33° 0' 33.830" N
SC	SC	Samroli	75° 12' 29.165" E	33° 0' 41.914" N
SC	SC	Bain	75° 19' 32.450" E	33° 1' 20.143" N
SC	SC	Chirdi	75° 13' 21.666" E	33° 2' 9.794" N
SC	SC	Bashat	75° 18' 44.874" E	33° 3' 8.753" N
SC	SC	Meer	75° 6' 56.870" E	33° 3' 16.871" N
SC	SC	PatniTop	75° 19' 44.577" E	33° 5' 24.365" N
SC	AD	Dhingi Dhar (Beriyote)	75° 1' 15.832" E	33° 5' 58.318" N

SC	MAC	Nali Nika	75° 2' 23.742" E	33° 6' 5.730" N
SC	SC	Letyar	75° 12' 30.783" E	33° 6' 20.897" N
SC	SC	Upper Ladda	75° 5' 54.533" E	33° 6' 27.550" N
SC	SC	Galeote	75° 4' 16.627" E	33° 9' 27.976" N
SC	MAC	Sarar	75° 24' 0.804" E	32° 58' 34.644" N
SC	SC	Dadu Sari	75° 30' 4.934" E	32° 53' 4.159" N
SC	SC	Thirido Padder	75° 28' 17.859" E	32° 52' 2.125" N
SC	SC	Panjar	75° 5' 34.244" E	33° 3' 46.934" N
SC	SC	Upper Haterian	75° 12' 32.104" E	32° 54' 39.486" N
SC	SC	Phangeal	75° 7' 57.627" E	32° 53' 50.808" N
SC	SC	Tathri	75° 11' 31.806" E	32° 59' 17.852" N
SC	SC	Lower Ladha	75° 11' 42.701" E	33° 1' 8.244" N
SC	SC	Sangur	75° 8' 35.138" E	32° 55' 9.764" N

Table 27: Health facilities in Kargil District

KARGIL				
Hf_type	Org_HFT	Location	Longitude	Latitude
CHC	SDH	Padam	76° 50' 43.449" E	33° 28' 10.286" N
CHC	SDH	Sanko	75° 57' 15.274" E	34° 16' 25.930" N
CHC	CHC	Chiktan	76° 31' 18.921" E	34° 27' 28.096" N
CHC	SDH	Drass	75° 44' 56.211" E	34° 26' 10.777" N
CHC	DH	Kargil	76° 8' 9.442" E	34° 33' 25.273" N
PHC	AD / PHC	Karssha	76° 53' 22.066" E	33° 28' 42.136" N
PHC	AD	Lingshet	76° 48' 25.834" E	33° 55' 53.452" N
PHC	PHC	Panikhar	75° 56' 40.244" E	34° 5' 31.860" N
PHC	AD / PHC	Tikkit	76° 6' 12.533" E	34° 14' 18.088" N
PHC	AD	Mublik	76° 23' 23.496" E	34° 22' 53.572" N
PHC	AD	Bhimbat	75° 49' 48.613" E	34° 22' 38.611" N
PHC	PHC	Shergol	76° 18' 45.707" E	34° 23' 57.628" N
PHC	AD / PHC	Tambis	76° 4' 19.895" E	34° 24' 50.374" N
PHC	AD	Trispon	76° 4' 1.205" E	34° 26' 9.237" N
PHC	AD	Chaskore	76° 9' 4.253" E	34° 28' 33.190" N
PHC	AD / PHC	Shakar	76° 27' 49.178" E	34° 31' 32.632" N
PHC	AD	Pashkyom	76° 11' 14.692" E	34° 31' 11.137" N
PHC	AD	Kharbo	75° 59' 7.250" E	34° 31' 53.803" N
PHC	AD/PHC	Akchamal	76° 14' 53.014" E	34° 33' 44.892" N
PHC	AD / PHC	Hardass	76° 6' 16.090" E	34° 35' 53.478" N
PHC	PHC	Budgam	76° 1' 0.289" E	34° 38' 15.870" N
PHC	AD / PHC	Batalik	76° 17' 9.717" E	34° 39' 1.525" N
PHC	AD	Hanoo	76° 17' 43.862" E	34° 41' 38.994" N
SC	MAC / SC	Kargey	77° 6' 58.627" E	33° 13' 52.093" N
SC	SC	Char	77° 7' 5.719" E	33° 14' 55.347" N

SC	MAC	Itchar	76° 59' 30.936" E	33° 18' 25.605" N
SC	SC	Raru	76° 56' 44.418" E	33° 20' 6.280" N
SC	MAC / SC	Shun	77° 13' 44.340" E	33° 23' 2.101" N
SC	MAC / SC	Shadey	77° 14' 37.717" E	33° 24' 16.203" N
SC	MAC / SC	Tista	77° 0' 3.786" E	33° 23' 51.322" N
SC	SC	Pibcha	76° 56' 4.287" E	33° 23' 47.984" N
SC	MAC / SC	Yulsum	76° 53' 47.639" E	33° 26' 56.583" N
SC	MAC / SC	Stonday	76° 58' 49.319" E	33° 31' 20.657" N
SC	MAC	Tungring	76° 47' 58.594" E	33° 32' 16.204" N
SC	MAC / SC	Rantak Shuk	76° 45' 55.169" E	33° 34' 37.791" N
SC	SC	Sani	76° 44' 28.057" E	33° 35' 6.266" N
SC	MAC / SC	Tsezar	77° 1' 27.049" E	33° 36' 34.625" N
SC	MAC / SC	Ating	76° 43' 41.809" E	33° 36' 6.204" N
SC	MAC	Phe	76° 43' 3.318" E	33° 37' 1.804" N
SC	MAC / SC	Zangla	76° 58' 51.884" E	33° 40' 4.857" N
SC	MAC / SC	Shekeagam	76° 39' 7.593" E	33° 40' 1.917" N
SC	MAC / SC	Pidmo	76° 53' 59.489" E	33° 42' 2.747" N
SC	MAC / SC	Abring	76° 35' 10.194" E	33° 42' 1.992" N
SC	MAC / SC	Ashkoo	76° 35' 35.743" E	33° 43' 4.021" N
SC	MAC	Hanomal	76° 51' 12.706" E	33° 44' 30.820" N
SC	SC	Nyarak	76° 55' 0.939" E	33° 53' 14.465" N
SC	SC	Yelchang	76° 53' 54.323" E	33° 56' 45.730" N
SC	MAC	Rangdom	76° 22' 47.074" E	34° 2' 54.595" N
SC	MAC	Tangol	75° 56' 24.395" E	34° 3' 5.612" N
SC	MAC / SC	Achambar	75° 55' 4.602" E	34° 4' 21.799" N
SC	MAC	Parkarchik	76° 2' 48.180" E	34° 5' 44.786" N
SC	MAC / SC	Purkutsa	76° 0' 10.906" E	34° 6' 25.914" N
SC	MAC / SC	Chaskore	75° 58' 5.941" E	34° 6' 39.194" N
SC	SC	Kochak	75° 56' 7.875" E	34° 7' 6.987" N
SC	MAC / SC	Kargi	75° 56' 44.488" E	34° 8' 2.545" N
SC	MAC / SC	Khawus	75° 59' 12.651" E	34° 8' 49.544" N
SC	MAC / SC	Purtukchey	75° 56' 10.294" E	34° 8' 54.160" N
SC	MAC / SC	Yoljuk	75° 55' 51.275" E	34° 10' 3.502" N
SC	SC	Itchu	76° 13' 8.309" E	34° 12' 2.214" N
SC	MAC / SC	Kangi	76° 34' 39.040" E	34° 13' 36.394" N
SC	SC	Galing	75° 57' 25.397" E	34° 12' 22.643" N
SC	MAC / SC	Shargundik	76° 10' 47.019" E	34° 13' 3.438" N
SC	MAC / SC	Sangra	75° 58' 43.154" E	34° 13' 28.397" N
SC	MAC / SC	Barto	76° 8' 51.553" E	34° 14' 3.298" N
SC	MAC / SC	Tila	76° 7' 21.742" E	34° 14' 1.811" N
SC	MAC / SC	Protu	76° 2' 57.999" E	34° 14' 36.270" N
SC	MAC / SC	Pangban	76° 7' 58.341" E	34° 15' 0.290" N
SC	MAC / SC	Karpokhar	75° 58' 53.021" E	34° 14' 58.477" N
SC	MAC / SC	Barso	76° 0' 45.094" E	34° 15' 34.787" N
SC	MAC / SC	Chischisna	75° 57' 30.449" E	34° 15' 36.468" N
SC	MAC / SC	Karsekhar	75° 59' 22.965" E	34° 15' 53.740" N

SC	SC	Thasgam	76° 0' 50.294" E	34° 16' 27.137" N
SC	SC	Chumik Chan	75° 56' 23.471" E	34° 17' 28.601" N
SC	MAC / SC	Barkoo	75° 58' 40.417" E	34° 17' 43.513" N
SC	SC	Hinaskot	76° 37' 40.407" E	34° 19' 34.883" N
SC	MAC / SC	Astapa	75° 54' 59.395" E	34° 18' 19.210" N
SC	MAC / SC	Stakchey	76° 34' 41.673" E	34° 20' 25.955" N
SC	MAC / SC	Brok	75° 56' 38.835" E	34° 19' 33.465" N
SC	MAC / SC	Bod Kharboo	76° 34' 11.577" E	34° 21' 10.866" N
SC	MAC / SC	Lankarchey	75° 57' 0.823" E	34° 20' 22.660" N
SC	SC	Umba	75° 51' 1.498" E	34° 20' 51.339" N
SC	MAC / SC	Thoina	75° 59' 23.190" E	34° 21' 15.660" N
SC	SC	Waka (Gyal)	76° 26' 20.383" E	34° 22' 52.740" N
SC	MAC / SC	Khangral	76° 29' 45.005" E	34° 23' 0.718" N
SC	SC	Gom Mangal Pur	76° 9' 10.953" E	34° 22' 49.196" N
SC	MAC / SC	Phokarpho	76° 16' 31.931" E	34° 23' 10.885" N
SC	MAC / SC	Pharona	75° 57' 26.155" E	34° 22' 34.768" N
SC	SC	Saraks	76° 28' 45.218" E	34° 23' 54.858" N
SC	MAC / SC	khatchay	76° 14' 59.851" E	34° 24' 9.403" N
SC	MAC	Matayan	75° 35' 41.871" E	34° 22' 42.820" N
SC	SC	Beraz	75° 37' 35.434" E	34° 23' 8.795" N
SC	MAC / SC	Tringdo	76° 16' 56.764" E	34° 24' 51.883" N
SC	SC	Sambra	76° 32' 7.475" E	34° 25' 44.651" N
SC	SC	Kanore	76° 4' 38.001" E	34° 25' 19.938" N
SC	MAC / SC	Dandial	75° 53' 0.227" E	34° 25' 0.389" N
SC	MAC / SC	Yilbu	75° 48' 25.036" E	34° 24' 52.209" N
SC	MAC / SC	Nunamchey	76° 18' 23.646" E	34° 26' 7.890" N
SC	MAC / SC	Chalis Kot	76° 0' 18.698" E	34° 25' 30.866" N
SC	MAC/SC	Lobbar	76° 9' 27.906" E	34° 25' 58.938" N
SC	MAC/SC	Batimbis	76° 8' 11.711" E	34° 26' 1.953" N
SC	MAC	Pandrass	75° 36' 25.733" E	34° 24' 45.989" N
SC	SC	Shokiyal	75° 46' 53.767" E	34° 25' 17.674" N
SC	MAC/SC	Archoo	76° 8' 0.174" E	34° 26' 29.827" N
SC	MAC / SC	Jasgun	75° 55' 0.094" E	34° 25' 59.410" N
SC	MAC/SC	Sapi	76° 8' 10.921" E	34° 26' 56.665" N
SC	MAC / SC	Durkit	76° 17' 16.199" E	34° 27' 18.163" N
SC	SC	Skumbo Thang	76° 14' 9.334" E	34° 27' 18.498" N
SC	MAC / SC	Murad Bagh	75° 41' 16.924" E	34° 25' 58.370" N
SC	SC	Holiyal	75° 41' 48.300" E	34° 26' 20.472" N
SC	SC	Kaskari	76° 9' 14.915" E	34° 27' 34.975" N
SC	SC	Gonkha	76° 10' 23.169" E	34° 28' 0.965" N
SC	SC	Mushkoo	75° 40' 35.805" E	34° 26' 50.504" N
SC	MAC / SC	Sartsey	76° 5' 11.354" E	34° 27' 54.395" N
SC	SC	Skumbo	76° 12' 53.991" E	34° 28' 13.806" N
SC	SC	Gosan	75° 44' 39.267" E	34° 27' 7.964" N
SC	SC	Hagnis	76° 29' 13.416" E	34° 29' 21.344" N
SC	MAC / SC	Lotchum	76° 16' 3.737" E	34° 29' 13.540" N

SC	MAC / SC	Tachay	76° 19' 52.454" E	34° 29' 58.256" N
SC	SC	Silkchey	76° 9' 12.526" E	34° 29' 39.388" N
SC	MAC / SC	Thasgom	75° 55' 16.375" E	34° 29' 14.088" N
SC	MAC / SC	Yogma kharbo	76° 27' 16.822" E	34° 30' 30.323" N
SC	MAC / SC	Manji	76° 5' 39.684" E	34° 29' 43.036" N
SC	MAC / SC	Sando	76° 23' 52.031" E	34° 30' 41.039" N
SC	SC	Chutook	76° 8' 23.701" E	34° 30' 21.459" N
SC	SC	Shimshah	75° 56' 47.235" E	34° 30' 30.244" N
SC	SC	Lamso	76° 24' 4.008" E	34° 31' 47.324" N
SC	MAC / SC	Tarumsa	76° 9' 53.291" E	34° 31' 26.994" N
SC	MAC / SC	Kokstey	76° 17' 33.811" E	34° 31' 57.109" N
SC	MAC / SC	Shimbuta	76° 28' 42.233" E	34° 32' 26.196" N
SC	MAC / SC	Kurait	76° 21' 31.140" E	34° 32' 26.911" N
SC	MAC / SC	Talmando	76° 28' 43.832" E	34° 33' 32.846" N
SC	MAC / SC	Goma Kargil	76° 7' 7.742" E	34° 33' 3.641" N
SC	SC	Chutumal	76° 15' 20.954" E	34° 34' 0.952" N
SC	MAC / SC	Longmitha	76° 6' 44.728" E	34° 33' 40.660" N
SC	MAC / SC	Baroo	76° 7' 25.033" E	34° 33' 46.587" N
SC	MAC / SC	Tumail	76° 14' 40.177" E	34° 34' 15.005" N
SC	MAC / SC	Yourbaltak	76° 15' 8.371" E	34° 34' 32.490" N
SC	MAC / SC	Apati	76° 14' 4.669" E	34° 34' 34.314" N
SC	MAC / SC	Silikchay	76° 7' 5.521" E	34° 34' 34.957" N
SC	SC	Poin	76° 8' 39.526" E	34° 34' 44.731" N
SC	MAC / SC	Barchay	76° 13' 52.345" E	34° 35' 7.463" N
SC	MAC / SC	Lalu	76° 17' 36.672" E	34° 36' 0.317" N
SC	MAC / SC	Kakshai	75° 57' 57.978" E	34° 35' 17.653" N
SC	SC	Chanigund	76° 4' 17.890" E	34° 35' 59.630" N
SC	MAC / SC	Karkichu	76° 1' 49.095" E	34° 36' 28.910" N
SC	MAC / SC	Durchik	76° 24' 38.327" E	34° 37' 35.759" N
SC	MAC / SC	Hundarman	76° 8' 2.400" E	34° 37' 5.553" N
SC	MAC / SC	Silmu	76° 18' 1.756" E	34° 37' 37.874" N
SC	MAC / SC	Latoo	75° 59' 7.388" E	34° 37' 4.527" N
SC	MAC / SC	Garkaun	76° 26' 47.064" E	34° 38' 12.792" N
SC	MAC / SC	Majidass	76° 2' 21.762" E	34° 37' 33.189" N
SC	SC	Chulichana	76° 17' 15.878" E	34° 40' 29.152" N
SC	SC	Gargurdoo	76° 20' 33.687" E	34° 40' 39.481" N
SC	MAC / SC	Sharchay	76° 16' 38.515" E	34° 41' 14.272" N
SC	MAC / SC	Bema	76° 16' 18.972" E	34° 43' 37.312" N

Table 28: Health facilities in Leh District

LEH				
Hf_type	Org_HFT	Location	Longitude	Latitude
CHC	DH/DTC	Leh	77° 35' 16.320" E	34° 9' 47.156" N
CHC	PHC/CHC	Khaltse	76° 51' 53.069" E	34° 20' 25.594" N
PHC	AD	Korzok	78° 16' 0.524" E	32° 58' 7.116" N
PHC	PHC	Nyoma	78° 39' 16.181" E	33° 12' 27.776" N
PHC	PHC	Chushul	78° 38' 55.011" E	33° 36' 3.344" N
PHC	PHC	Sakti	77° 48' 41.310" E	33° 59' 30.825" N
PHC	PHC	Tangtse	78° 10' 13.742" E	34° 1' 57.116" N
PHC	PHC	Thiksey	77° 40' 2.801" E	34° 3' 30.219" N
PHC	PHC	Chuchot	77° 35' 51.571" E	34° 5' 11.294" N
PHC	PHC	Basgo	77° 16' 1.325" E	34° 13' 44.661" N
PHC	PHC	Saspol	77° 10' 13.678" E	34° 14' 57.744" N
PHC	PHC	Digar	77° 48' 19.820" E	34° 17' 46.185" N
PHC	PHC	Temisgam	77° 1' 17.140" E	34° 20' 6.597" N
PHC	PHC	Panamik	77° 35' 44.315" E	34° 39' 55.679" N
PHC	PHC	Bogdan	77° 2' 23.110" E	34° 48' 29.290" N
PHC	PHC	Turtuk	76° 49' 31.099" E	34° 50' 47.796" N
SC	MAC/SC	Chummar	78° 50' 30.696" E	32° 38' 7.698" N
SC	MAC/SC	Hanly Punguk	78° 53' 59.481" E	32° 45' 38.467" N
SC	MAC/SC	Khuldo	78° 58' 52.718" E	32° 46' 28.544" N
SC	MAC/SC	Koyul	79° 11' 51.674" E	32° 53' 1.520" N
SC	MAC/SC	Rango	78° 50' 7.325" E	33° 7' 14.956" N
SC	MAC/SC	Nidar	78° 36' 32.948" E	33° 9' 53.756" N
SC	MAC/SC	Mudh	78° 41' 58.240" E	33° 12' 15.284" N
SC	MAC/SC	Puga Sumdo	78° 22' 5.993" E	33° 14' 0.721" N
SC	MAC/SC	Kanak	77° 40' 32.236" E	33° 17' 1.926" N
SC	MAC/SC	Tsaga	78° 51' 23.187" E	33° 19' 53.732" N
SC	MAC/SC	Samda Rokchan	78° 2' 34.004" E	33° 19' 34.402" N
SC	MAC	Chumthang	78° 20' 31.298" E	33° 21' 37.269" N
SC	MAC/SC	Kidmang	78° 16' 24.392" E	33° 23' 18.808" N
SC	SC	Nih	78° 12' 19.571" E	33° 25' 53.359" N
SC	MAC/SC	Kumdok	78° 10' 49.319" E	33° 31' 16.735" N
SC	MAC/SC	Teri	78° 2' 12.819" E	33° 33' 56.882" N
SC	MAC/SC	Kungam	78° 7' 0.548" E	33° 38' 49.543" N
SC	MAC/SC	Hymia	78° 0' 33.205" E	33° 39' 20.716" N
SC	MAC/SC	Gay	77° 44' 13.232" E	33° 39' 20.119" N
SC	MAC/SC	Tarchit	77° 56' 19.124" E	33° 42' 3.382" N
SC	MAC/SC	Likchay	77° 57' 24.033" E	33° 43' 46.332" N
SC	MAC/SC	Tugla	77° 58' 40.030" E	33° 44' 31.548" N
SC	MAC/SC	Parama/Linga	78° 23' 43.365" E	33° 46' 38.910" N
SC	MAC/SC	Merak	78° 35' 32.190" E	33° 48' 6.974" N
SC	MAC/SC	Shera	77° 54' 41.860" E	33° 49' 22.783" N
SC	MAC/SC	Khira Plaoi	78° 19' 51.023" E	33° 50' 15.344" N
SC	MAC/SC	Manpongo	78° 31' 40.662" E	33° 51' 36.786" N

SC	MAC/SC	Sato Kargam	78° 17' 31.359" E	33° 52' 35.825" N
SC	SC	Shang	77° 41' 11.889" E	33° 51' 56.975" N
SC	MAC/SC	Pokcha	77° 47' 6.317" E	33° 53' 41.144" N
SC	SC	Markha	77° 25' 34.396" E	33° 53' 16.751" N
SC	SC	Marcheling	77° 44' 4.666" E	33° 54' 35.099" N
SC	MAC/SC	Igu	77° 50' 18.098" E	33° 54' 46.617" N
SC	MAC	Hamis	77° 42' 27.318" E	33° 54' 54.407" N
SC	MAC/SC	Lankor	77° 52' 5.615" E	33° 55' 31.240" N
SC	MAC/SC	Kharu	77° 44' 55.254" E	33° 55' 24.246" N
SC	MAC/SC	Chango	77° 43' 30.795" E	33° 56' 5.960" N
SC	MAC/SC	Chemare	77° 47' 20.320" E	33° 57' 12.677" N
SC	MAC/SC	Chilam	78° 9' 58.714" E	33° 59' 17.749" N
SC	MAC/SC	Shachkul	78° 6' 35.043" E	33° 59' 29.442" N
SC	MAC/SC	Tagar	77° 51' 19.176" E	34° 0' 7.178" N
SC	MAC	Matho	77° 37' 42.103" E	33° 59' 50.963" N
SC	MAC/SC	Taruk	78° 8' 22.081" E	34° 1' 4.368" N
SC	MAC	Stakna	77° 41' 4.912" E	34° 0' 27.016" N
SC	MAC	Rambhirpur	77° 40' 45.132" E	34° 2' 17.433" N
SC	MAC	Chushut Gogima	77° 39' 22.734" E	34° 2' 20.307" N
SC	SC	Nang	77° 45' 37.169" E	34° 3' 18.539" N
SC	MAC/SC	Chiling	77° 12' 15.984" E	34° 2' 24.558" N
SC	MAC/SC	Chuchot Shama	77° 38' 9.185" E	34° 3' 12.746" N
SC	MAC/SC	Phabrang	78° 26' 16.100" E	34° 4' 41.392" N
SC	MAC/SC	Rumbak	77° 23' 52.206" E	34° 3' 20.096" N
SC	MAC/SC	Chuchot Yogma	77° 36' 44.192" E	34° 4' 17.630" N
SC	MAC	Stok	77° 33' 0.040" E	34° 4' 18.957" N
SC	MAC/SC	Shey	77° 37' 37.278" E	34° 5' 0.261" N
SC	SC	Kuzy	77° 34' 55.103" E	34° 5' 27.383" N
SC	MAC/SC	Phe	77° 19' 10.472" E	34° 6' 6.639" N
SC	MAC	Stokmo	77° 41' 52.999" E	34° 6' 50.087" N
SC	MAC/SC	Darbuk	78° 6' 49.525" E	34° 7' 46.593" N
SC	MAC	Choglamsar	77° 34' 29.965" E	34° 6' 59.141" N
SC	MAC/SC	Spituk	77° 32' 11.217" E	34° 7' 30.715" N
SC	SC	Saboo	77° 38' 17.999" E	34° 8' 16.397" N
SC	MAC/SC	Rali Aching	78° 1' 38.992" E	34° 9' 31.967" N
SC	MAC/SC	Sumdachoon	77° 9' 4.819" E	34° 8' 9.510" N
SC	MAC/SC	Shoyak	78° 6' 50.898" E	34° 11' 10.917" N
SC	MAC/SC	Palam	77° 28' 10.104" E	34° 10' 53.733" N
SC	MAC/SC	Nimu	77° 24' 39.524" E	34° 11' 33.898" N
SC	MAC/SC	Horzay	77° 36' 10.544" E	34° 12' 9.947" N
SC	MAC/SC	Phiyang	77° 27' 49.860" E	34° 12' 33.313" N
SC	SC	Taru	77° 25' 27.500" E	34° 12' 42.604" N
SC	MAC/SC	Tangyar	77° 51' 28.562" E	34° 14' 25.346" N
SC	MAC/SC	Alchi	77° 10' 15.111" E	34° 13' 36.408" N
SC	MAC/SC	Umla	77° 23' 39.532" E	34° 14' 8.501" N
SC	MAC/SC	Wanla	76° 50' 4.869" E	34° 15' 36.913" N

SC	MAC/SC	Likir Yukma	77° 12' 56.660" E	34° 17' 38.018" N
SC	MAC/SC	Ney	77° 18' 6.593" E	34° 18' 26.704" N
SC	MAC/SC	Lamayuru	76° 46' 26.153" E	34° 17' 25.588" N
SC	SC	Yangthang	77° 7' 32.402" E	34° 18' 14.461" N
SC	MAC/SC	Saspochay	77° 9' 39.945" E	34° 18' 49.162" N
SC	MAC/SC	Hemishkpachin	77° 4' 44.266" E	34° 18' 58.792" N
SC	MAC/SC	Nurla	76° 58' 28.744" E	34° 18' 57.425" N
SC	SC	Tia	76° 57' 15.165" E	34° 21' 24.278" N
SC	MAC/SC	Khurdung	77° 39' 19.616" E	34° 24' 12.924" N
SC	MAC/SC	Tagmachik	76° 45' 37.763" E	34° 22' 44.473" N
SC	MAC/SC	Dumkhar	76° 45' 46.935" E	34° 24' 4.928" N
SC	MAC / SC	Pachari	76° 39' 7.101" E	34° 25' 12.907" N
SC	MAC/SC	Satti	77° 44' 1.294" E	34° 28' 39.598" N
SC	SC	Lehdoh	76° 39' 33.900" E	34° 26' 53.367" N
SC	SC	Shukurbuchan	76° 42' 39.961" E	34° 27' 4.807" N
SC	MAC / SC	Koksho	76° 36' 25.197" E	34° 27' 38.656" N
SC	MAC/SC	Hunder Dok	77° 26' 5.248" E	34° 29' 31.943" N
SC	MAC/SC	Khalsar	77° 40' 53.063" E	34° 30' 5.348" N
SC	MAC/SC	Dargo	76° 38' 12.456" E	34° 29' 19.095" N
SC	MAC	Trith	77° 38' 47.913" E	34° 32' 32.727" N
SC	SC	Diskit	77° 33' 7.904" E	34° 33' 9.002" N
SC	MAC/SC	Achinathang	76° 38' 40.407" E	34° 31' 26.918" N
SC	MAC/SC	Lagjung	77° 37' 1.394" E	34° 35' 30.542" N
SC	MAC/SC	Hunder	77° 27' 56.912" E	34° 35' 15.128" N
SC	MAC/SC	Partappur	77° 27' 20.161" E	34° 36' 31.341" N
SC	MAC / SC	Sanjak	76° 30' 4.909" E	34° 35' 18.698" N
SC	MAC/SC	Skampuk	77° 26' 11.497" E	34° 37' 35.475" N
SC	MAC/SC	Tegar Sumar	77° 37' 30.462" E	34° 38' 1.538" N
SC	MAC/SC	Largap	77° 8' 14.971" E	34° 39' 20.521" N
SC	MAC/SC	Chamsan	77° 34' 57.015" E	34° 40' 31.154" N
SC	MAC/SC	Charsa	77° 33' 4.206" E	34° 40' 46.745" N
SC	MAC/SC	Udmaru	77° 16' 4.057" E	34° 42' 16.599" N
SC	MAC/SC	Pachathang	77° 9' 6.992" E	34° 42' 6.794" N
SC	MAC/SC	Trechay	77° 34' 15.740" E	34° 44' 11.250" N
SC	MAC/SC	Kubed	77° 29' 51.983" E	34° 49' 10.348" N
SC	MAC/SC	Takshi	77° 30' 56.913" E	34° 49' 16.542" N
SC	MAC/SC	Waris	77° 7' 58.337" E	34° 51' 50.815" N
SC	MAC/SC	Tykshi	76° 47' 51.413" E	34° 53' 3.895" N
SC	MAC/SC	Khimi	77° 25' 29.104" E	34° 56' 53.928" N
SC	SC	Tangset	77° 23' 49.665" E	34° 59' 9.552" N

GEOSPATIAL MODELING

CHAPTER 5

5. GEOSPATIAL MODELING

The geospatial modeling involved generation of a number of input GIS layers like Population grid, Land use/Land cover grid and Digital elevation model in addition to health facility point layer, drainage layer and road network layer. Besides, the population coverage capacity table and a traveling scenario table were also used in the analysis. The various GIS layers were fine tuned for analysis and the process is briefly described hereas under:-

5.1 Fine tuning of databases

- i. **Road Network layer** The roads in the road network layer were classified as primary roads, secondary roads and Track/Paths.
- ii. **Landuse/Land cover Grid** The Land use/Land cover vector map was clipped from the State map using the district boundary and it was converted into grid format. The map was integrated with the road network map and the drainage map was used to mask out the rivers/streams that act as physical barriers so that the resultant land use grid was having the three more categories representing Primary roads, Secondary roads, Tracks/Paths in addition to other categories. Besides, the rivers/streams represented *no data* cells for the physical barriers.

- iii. ***Spatial Census Population Grid*** The Land use/Land cover grid was used to intersect the Spatial Census Population Grid so that grid cells of both get fully synchronized and match each other that no population values of the population grid fall in the ***NO DATA AREAS*** of the Land use/Land cover grid.

- iv. ***Digital Elevation Model*** The DEM holds altitude values. The topography of the terrain is important to consider because it may influence (positively or negatively) the speed of travel over a given landcover. This is especially true when patients are walking to reach a health facility. In AccessMod 3.0, the DEM is not used to do an isotropic analysis (i.e. no influence of slopes on speed of travel), but it is mandatory in order to do an anisotropic analysis. The anisotropic analysis is automatically triggered when the user indicates a DEM as input in the analysis. The DEM was generated using 30 m ASTER data.

- v. ***Health facility point layer*** Once the health facility point layer was generated, fields like *Hf_type*, *Capacity*, *Maximum travel time* and *Location* were created in the attribute table of the layer as it is an important input for the geospatial model.

Once, the above input layers were fine tuned, the actual modeling exercise commenced with the delineation of catchment areas of the existing health facility network. The Geospatial model aggregated the population around each of the health facility type and calculated its extent on the basis of travel time and population coverage capacity set in the health facility attribute table. During the process, AccessMod goes to the first health facility, in the order that has been selected by the user, and designs the corresponding catchment area. This process is performed through an iterative process during which the model controls that one is not exceeding the maximum Travelling Time or the Health Facility Population Coverage Capacity specified for each facility. Once one of these limits is reached the maximum extension of the catchment area is obtained. From that point results are stored in the output files and the model goes to the next facility until the last one.

As the model completes its iterations and the results are displayed in the form of polygons representing catchment areas for the existing health facility network and new population grid that depicts the population that is not yet covered by the existing health facility network. The out put also generates the health facility type point layer whose attribute table includes columns like; *Accessmod1*, *Hf_type*, *Capacity*, *Catchment population*, *Maximum travel time* and *calculated travel time*.

Now, using the new population grid automatically generated by Accessmod on the unattended population, the geospatial model was run for scaling up the

network using a predetermined no. of facilities to be located. Once the modeling process completed, the new health facility type point map with associated catchment area theme was generated along with a new population grid for the still unattended population. This process was repeated till the new population grid did not contain any population values and the entire population of the district was covered. The attribute table of the scaled up point facility layer was studied and the sites representing catchment population more than 100 were located on the topographical map sheets for identifying the village name which are qualifying for the new facilities. Further, where a site is identified for one more Sub Centre in the neighbourhood of existing Sub Centre on account of total population in the area being more than the population coverage capacity of a SC but less than 70% of the population coverage capacity of a PHC, the same was ignored. Besides, in case a number of sites for SCs are identified in the vicinity to each other, but with catchment population less than 100 in each case owing to role of physical barriers in the region, one SC is proposed at one of the centrally located sites among the identified sites to provide a facility for catering to the population.

KASHMIR DIVISION

5.2 Anantnag District

The district lies to the South of Srinagar, East of Baramulla District and West of Pulwama district. The district lies between the geographical coordinates of $75^{\circ}-00'$ to $75^{\circ}-40'$ E longitude and $33^{\circ}-10'$ and $34^{\circ}-20'$ N latitude. The occupation of the people is predominantly agricultural. It shares borders with Ganderbal district in the North, Srinagar, Pulwama, Shopian and Kulgam in the West, Ramban and Doda in the South and Kishtwar district in the East. As per census of 2001, the district has a population of 740325 while as as per the projected population for 2011 it is 1018309. As per the information made available by the Health Services Department, there are 200 health facilities in the district.

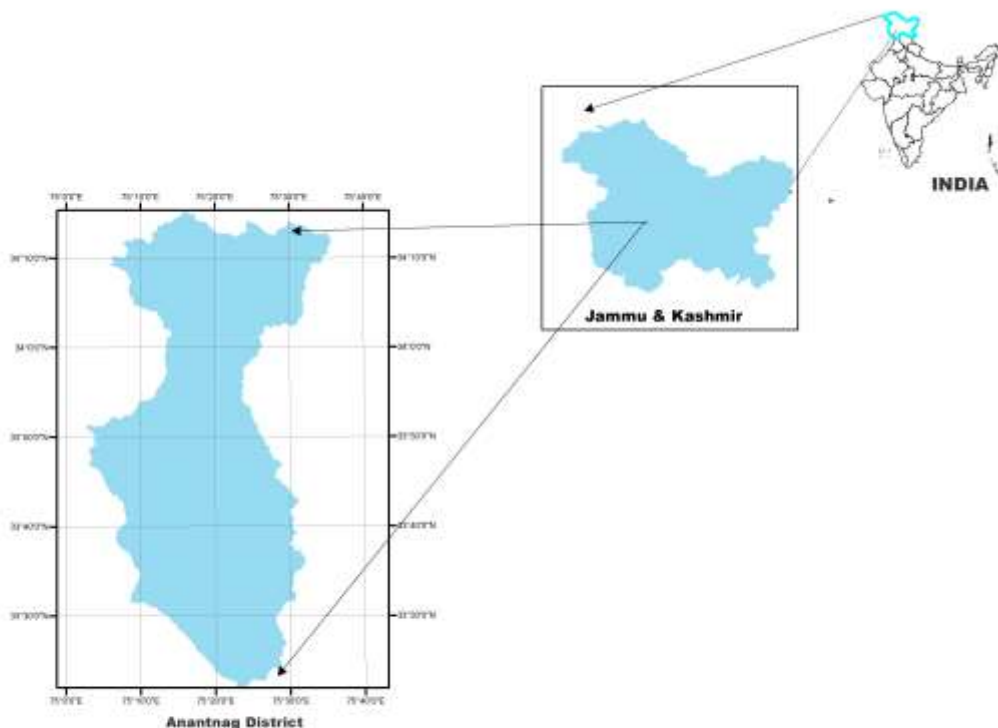


Fig.15: Location of Anantnag District

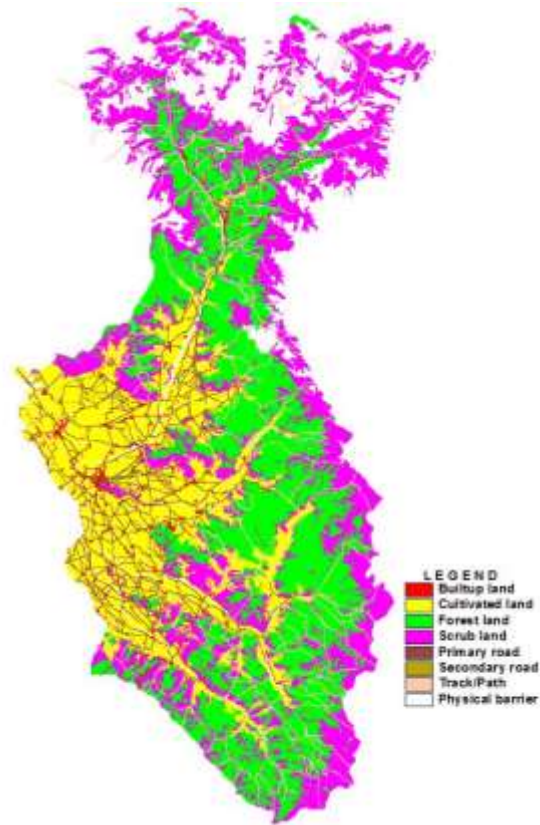


Fig.16: Land use/Land cover grid of Anantnag district

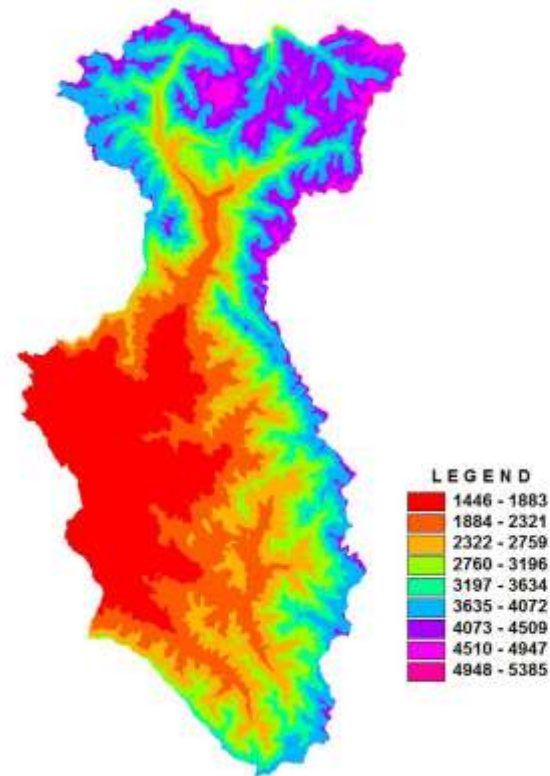


Fig. 17: Digital Elevation Model of Anantnag district

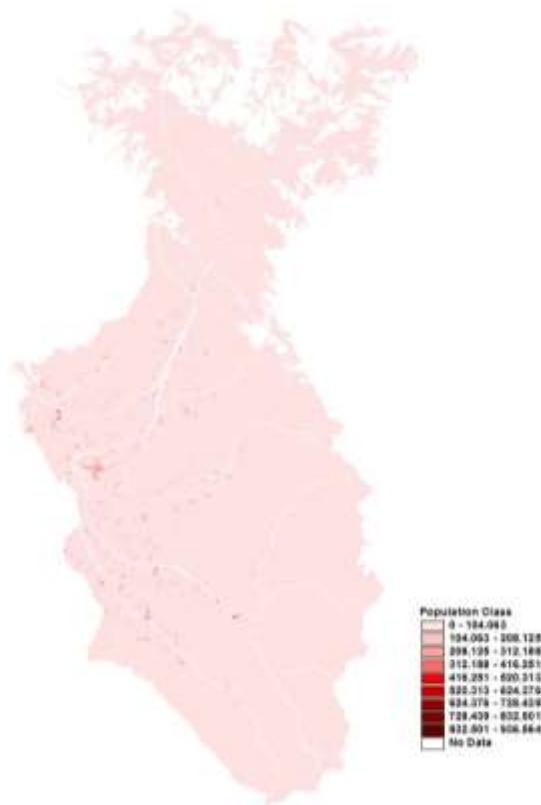


Fig. 18: Spatial Census population grid of Anantnag district

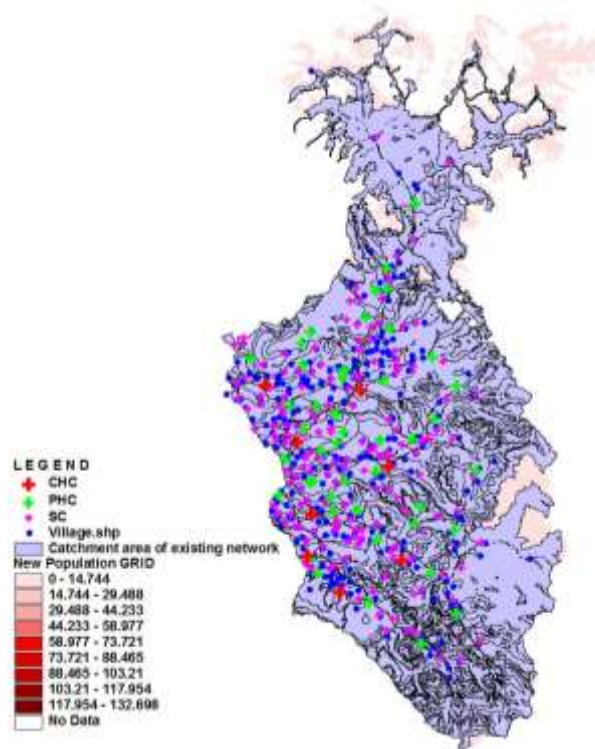


Fig.19: Catchment area of existing health facility network in Anantnag district

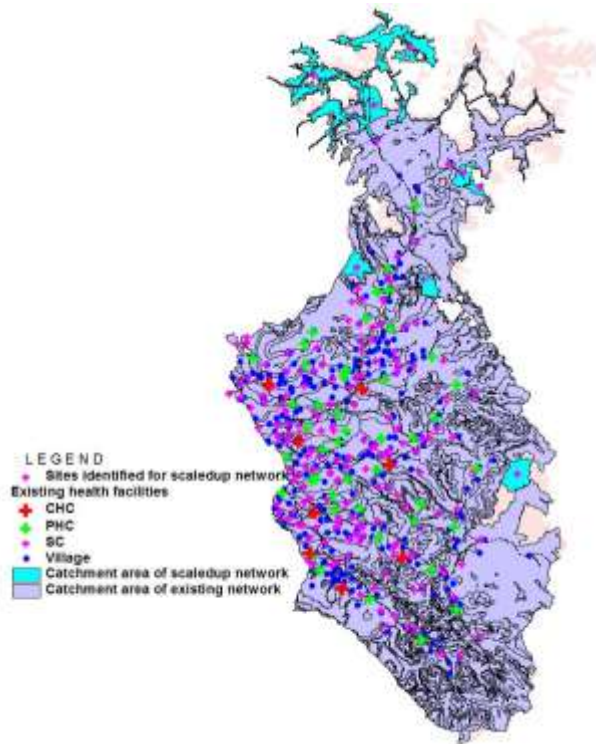


Fig.20: Catchment area of existing and scaled up health facility network in Anantnag district



Fig. 21: District Hospital, Anantnag

5.3 Badgam District

The district lies to the South of Srinagar, East of Baramulla District and West of Pulwama district. The district lies between the geographical coordinates of $74^{\circ}-10'$ to $74^{\circ}-55'$ E longitude and $33^{\circ}-40'$ and $34^{\circ}-10'$ N latitude. It was carved out from Srinagar District on the basis of administrative reorganization of districts in 1979. The district derives its name from one of its villages which is its headquarter. Till the last census held in 1941 the area was known as Sri Partapsingh Pora after the name of Maharaja Pratap Singh, one of the Dogra Kings in whose rule it was constituted as a Tehsil for the first time. As per census of 2001, the district has a population of 605658 while as as per the projected population for 2011 it is 817993. As per the information supplied by the Chief Medical Officer, Badgam, there are 26 health facilities in Block Badgam, 26 facilities in Block Chadoora, 10 facilities in Block Naugam, 8 facilities in Block Soibugh, 20 facilities in Block Charar Sherif, 14 facilities in Block Magam, 21 facilities in Block Beerwah, 31 facilities in Block Khan Sahib, 18 facilities in Block Chattergam and 16 facilities in Block Khag.

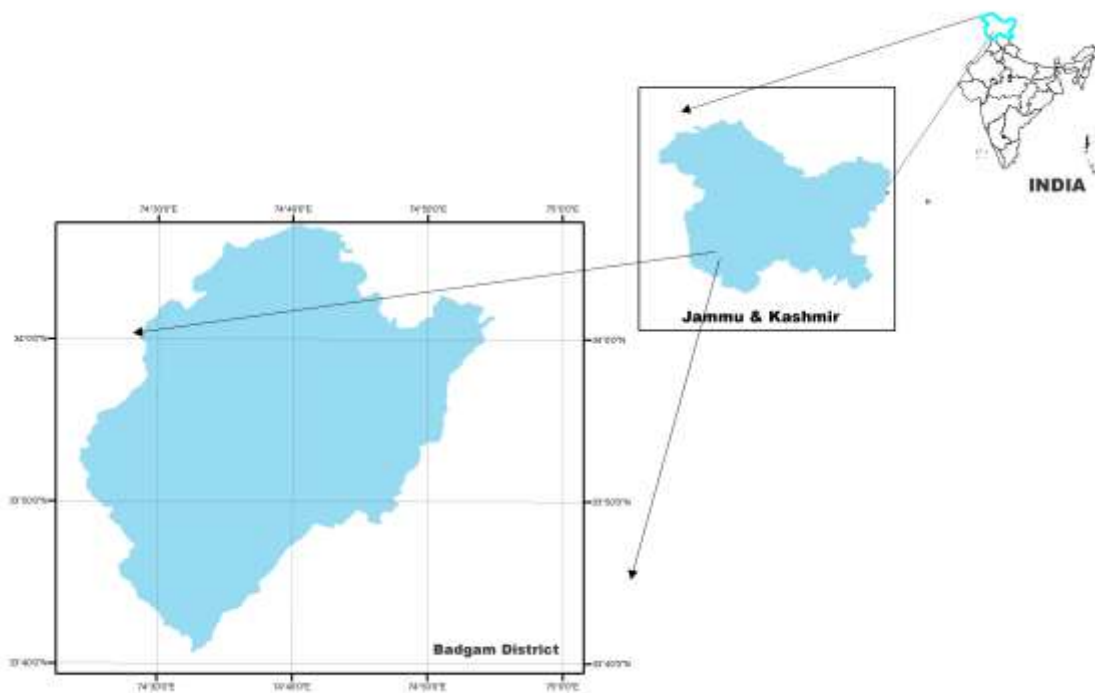


Fig.22: Location of Badgam District

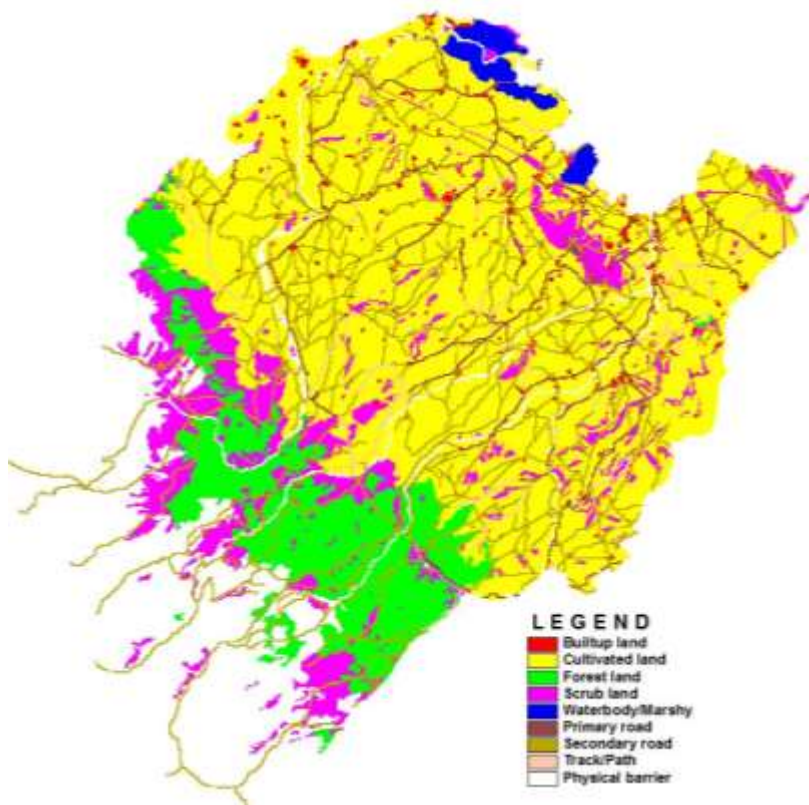


Fig.23: Land use/Land cover grid of Badgam district

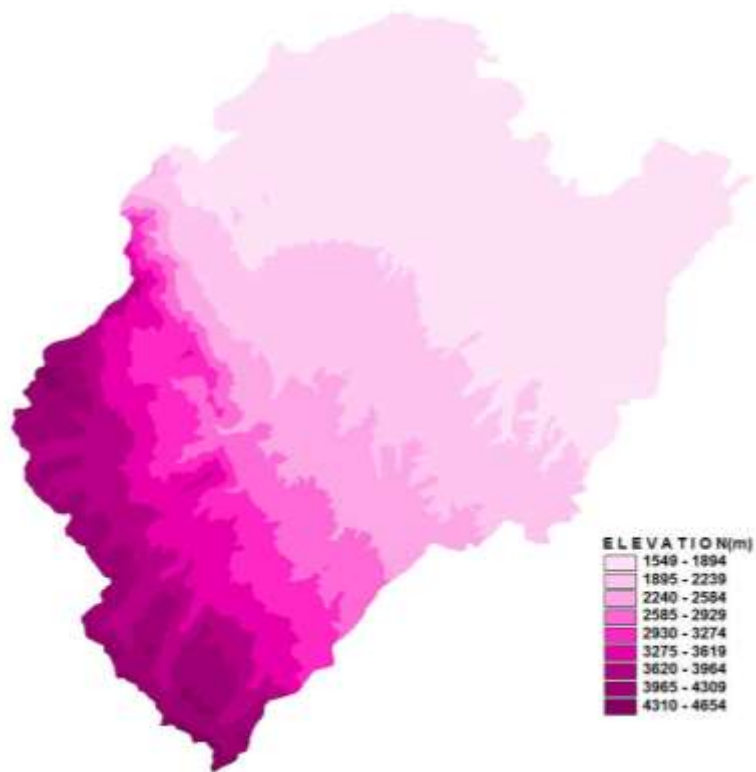


Fig.24 Digital Elevation Model of Badgam district

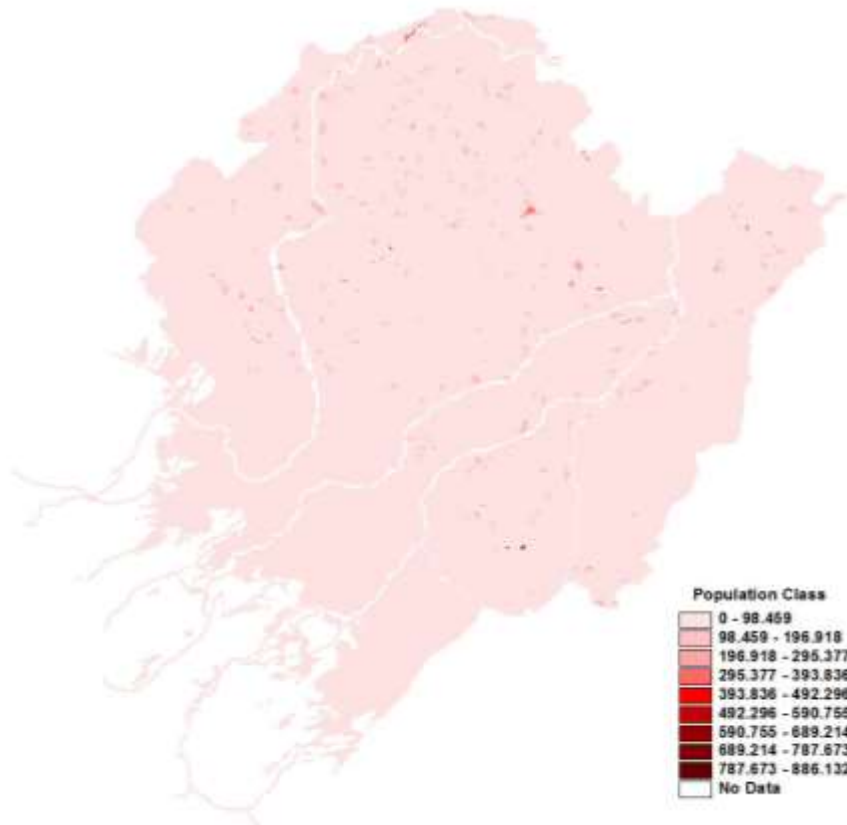


Fig.25: Spatial Census population grid of Badgam district

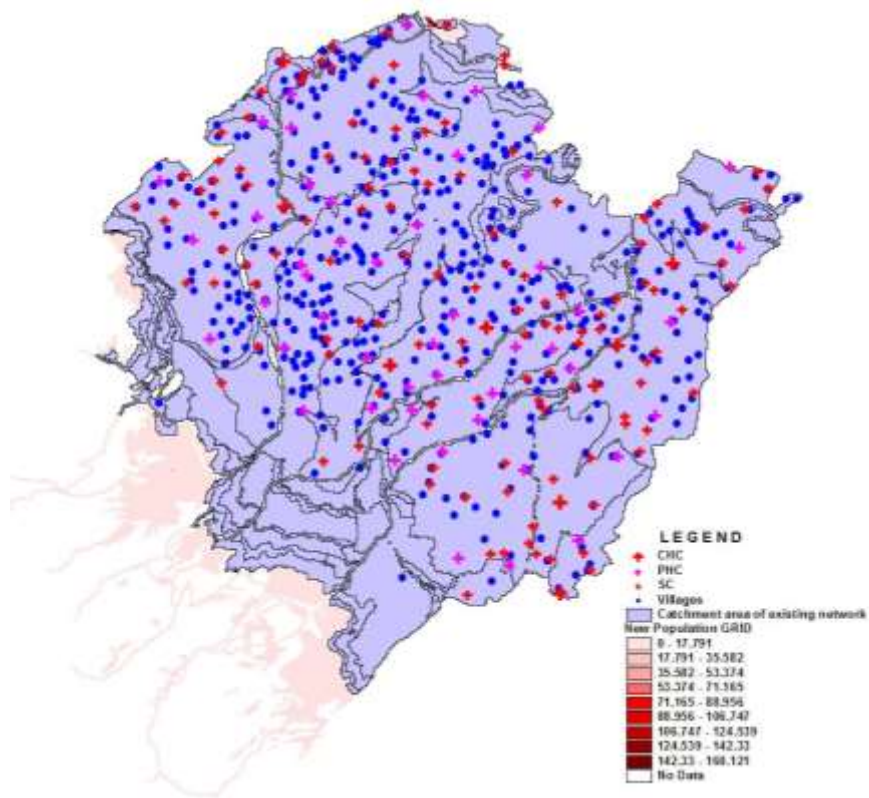


Fig.26: Catchment area of existing health facility network in Badgam district

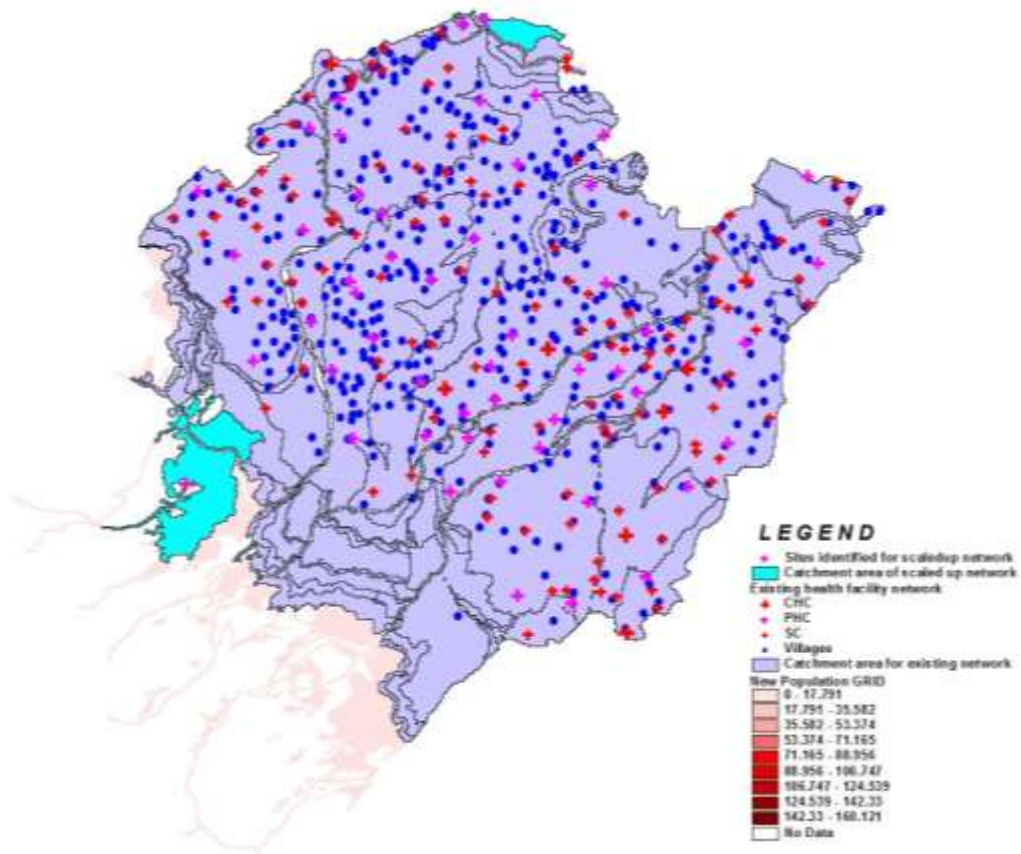


Fig.27: Catchment area of existing and scaled up health facility network in Badgam district



Fig. 28: Aga Syed Yousuf (RA) Memorial District Hospital, Badgam

5.4 Bandipur District

The erstwhile District Baramulla was split into District Bandipur and District Baramulla. The district lies to the North of Ganderbal district. The district lies between the geographical coordinates of $74^{\circ}-20'$ to $75^{\circ}-25'$ E longitude and $34^{\circ}-10'$ to $34^{\circ}-50'$ N latitude. As per census of 2001, the district has a population of 352233 while as per the projected population for 2011, it is 411312. The district has 59 health facilities. The district is a mostly hilly district with very rough terrain and the population is scattered across the difficult terrain and the valleys.

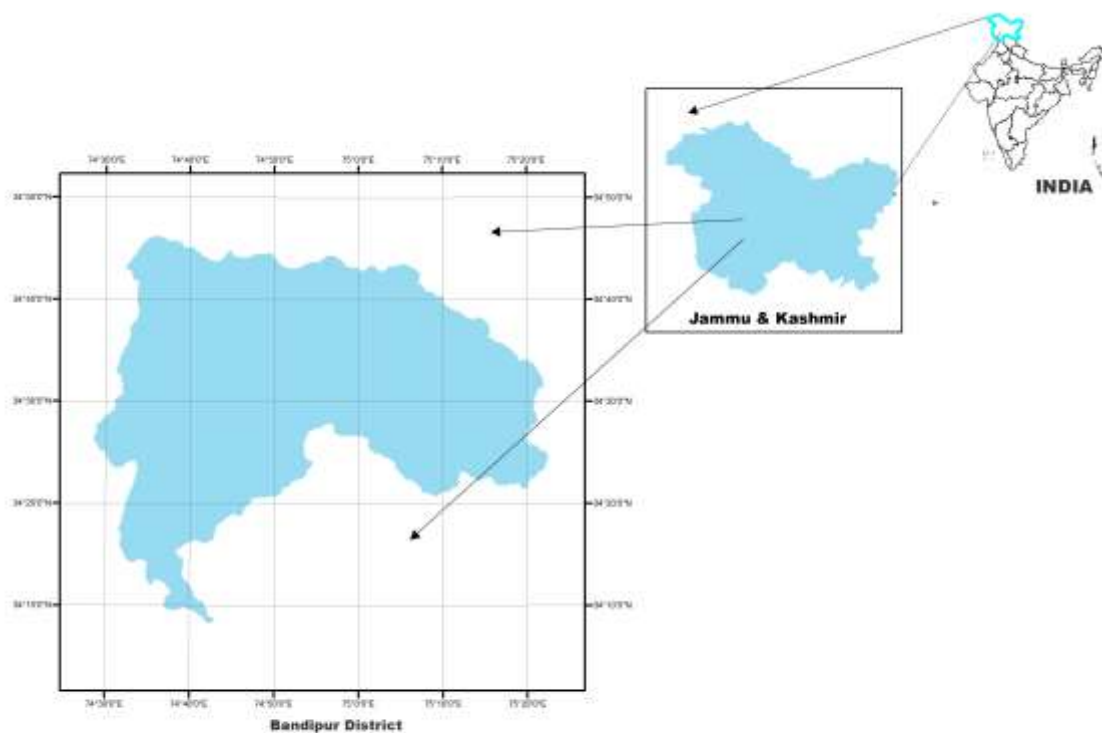


Fig.29: Location of Bandipur District

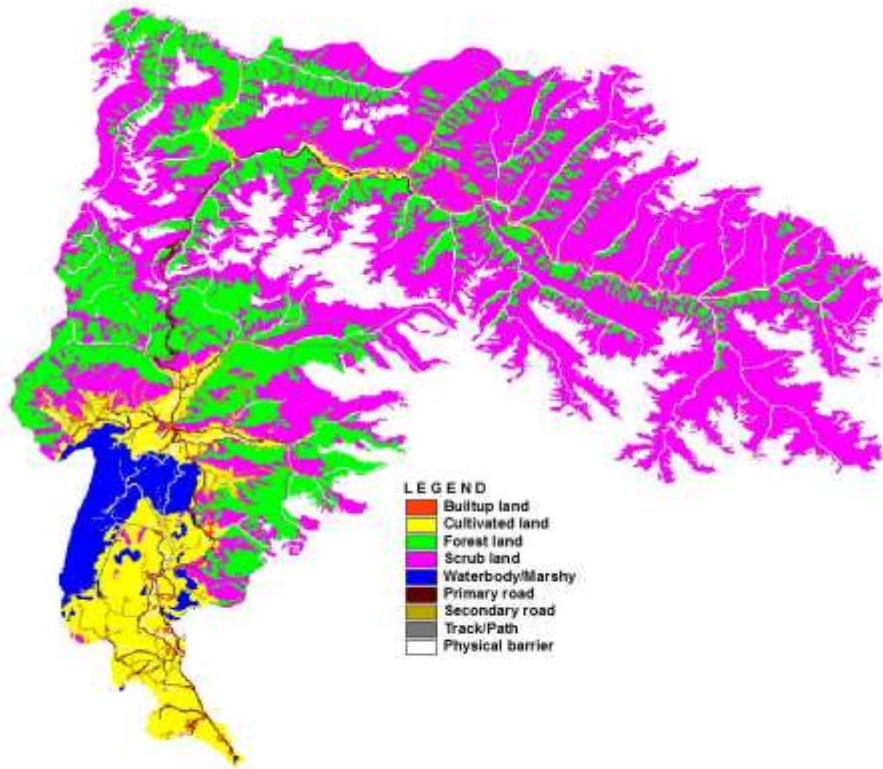


Fig.30: Land use/Land cover grid of Bandipur district

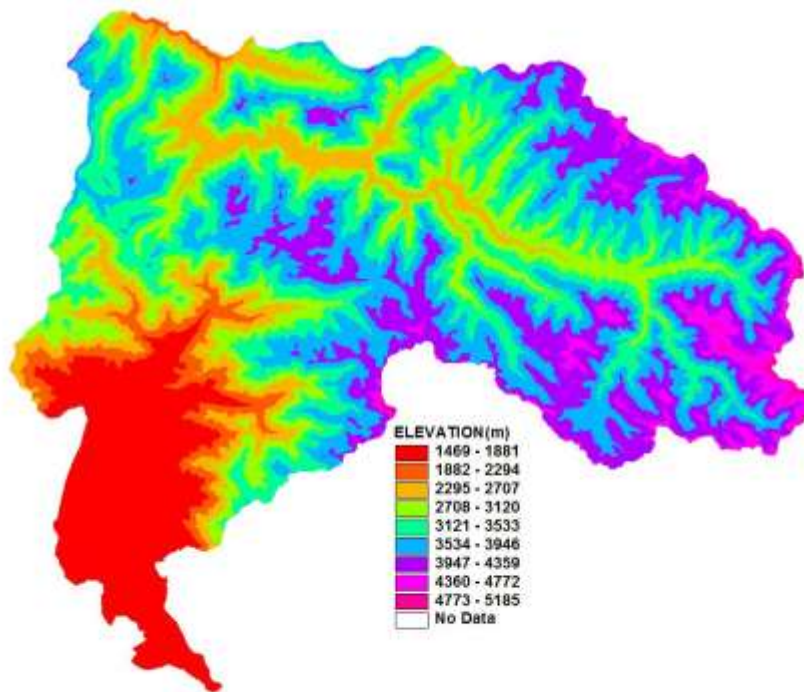


Fig.31: Digital Elevation Model of Bandipur district

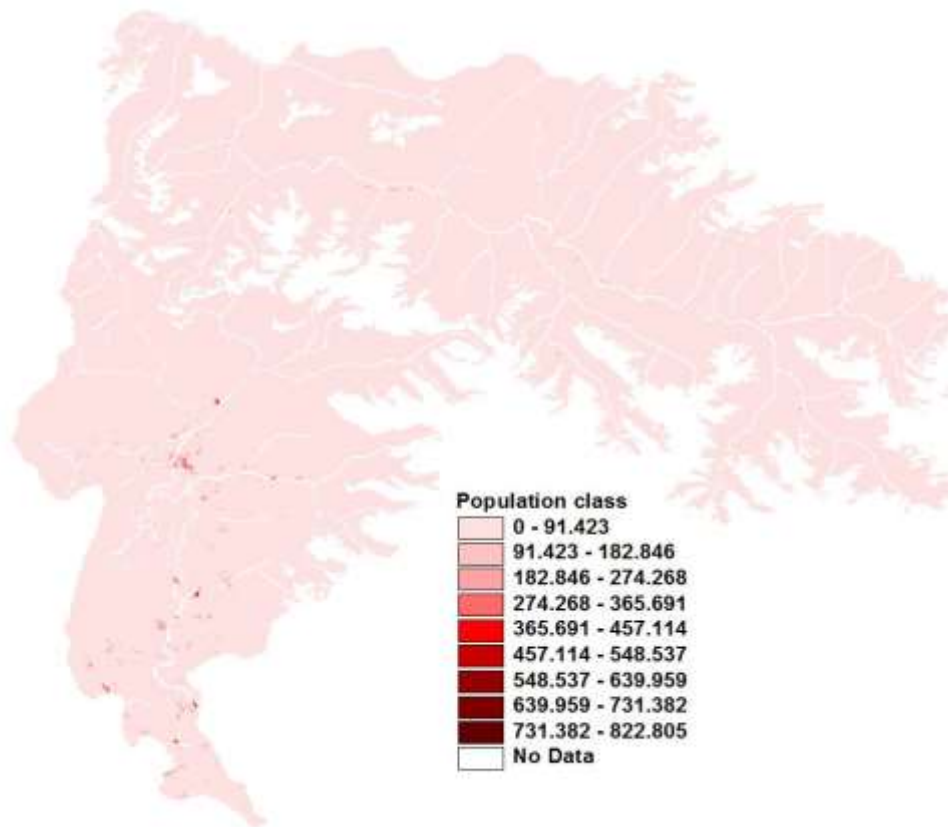


Fig.32: Spatial census population grid of Bandipur district

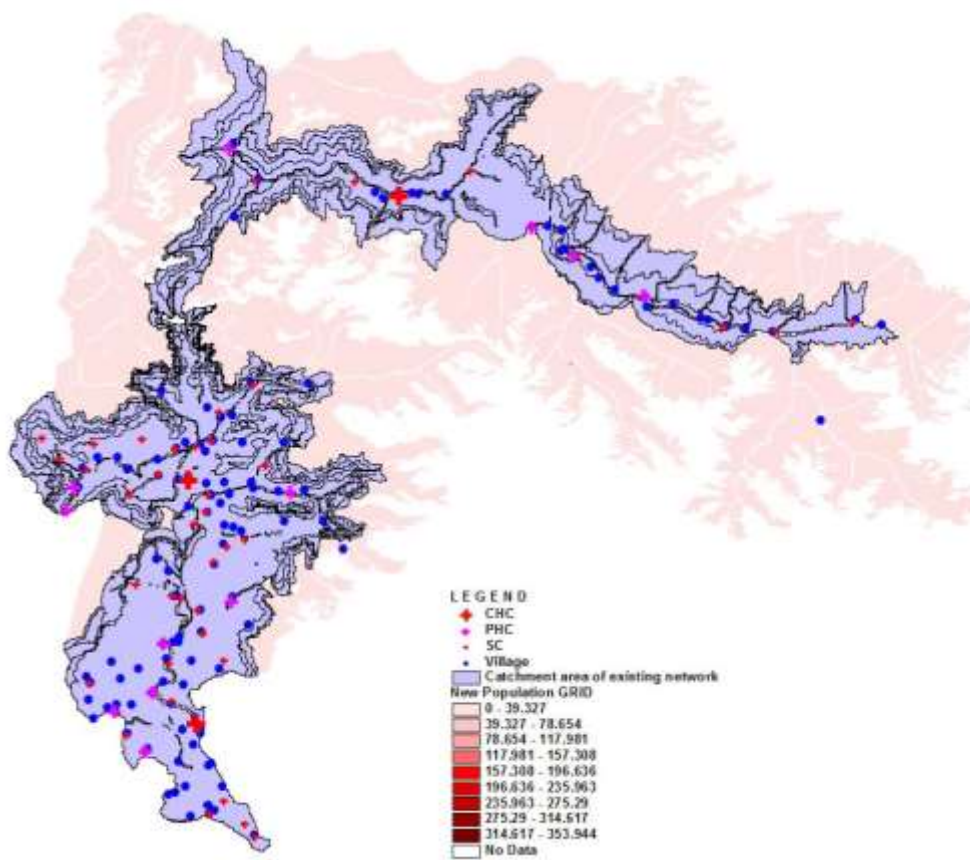


Fig.33: Catchment area of existing health facility network in Bandipur district

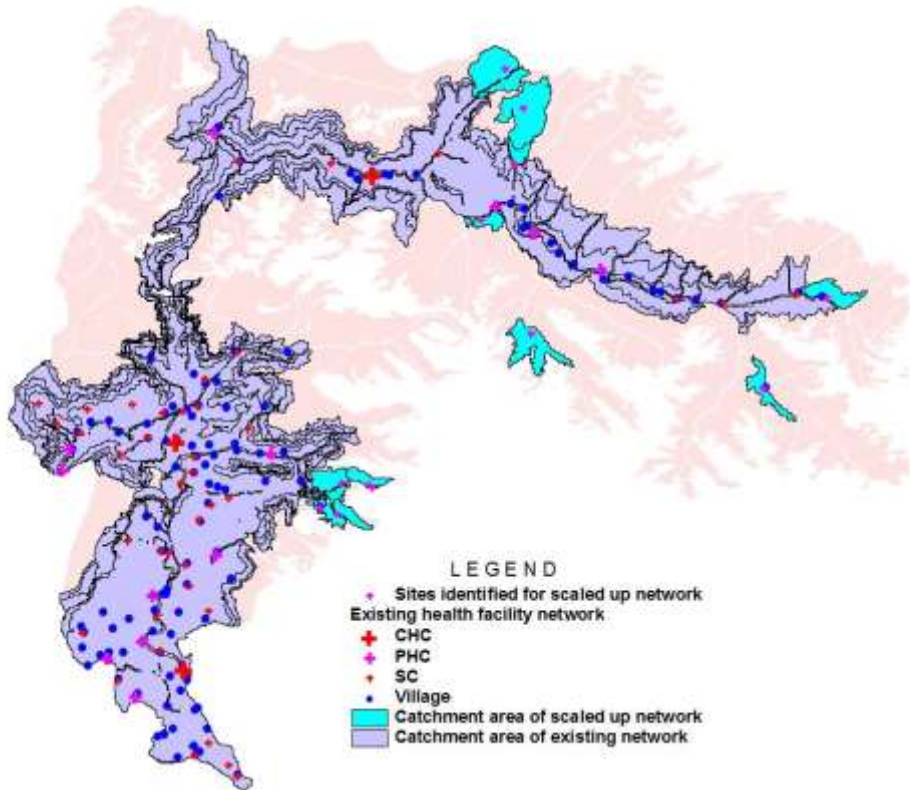


Fig.34: Catchment area of existing and scaled up health facility network in Bandipur district



Fig.35: Bridges connecting populations across the physical barriers of streams

5.5 Baramulla District

The erstwhile District Baramulla was split into District Bandipur and District Baramulla. The district lies to the North of Ganderbal district. The district lies between the geographical coordinates of $73^{\circ}-50'$ to $75^{\circ}-00'$ E longitude and $33^{\circ}-50'$ to $34^{\circ}-40'$ N latitude. As per census of 2001, the district has a population of 811099 while as per the projected population for 2011, it is 1109200. The district has 260 health facilities.

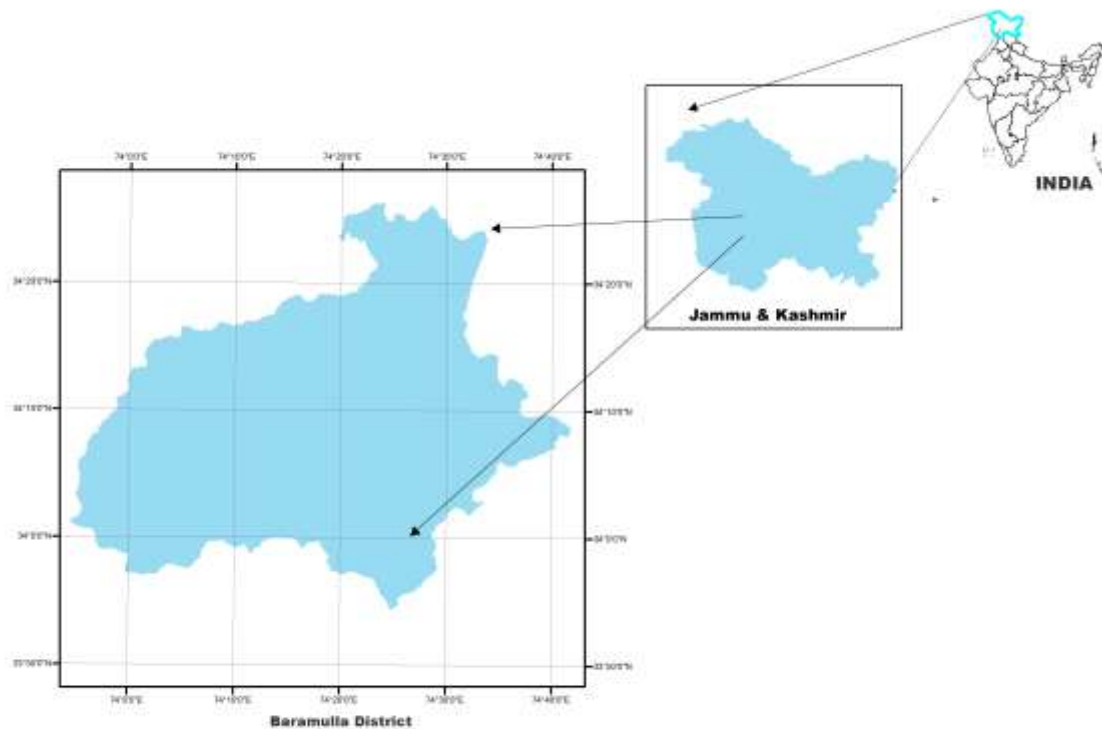


Fig.36: Location of Baramulla District

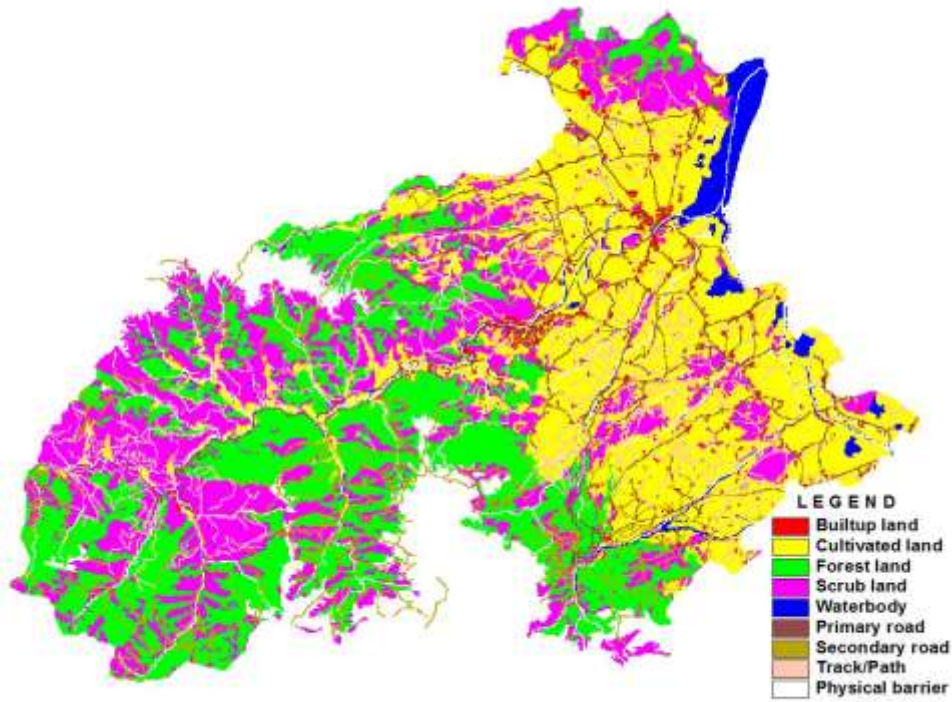


Fig.37: Land use/Land cover grid of Baramulla District

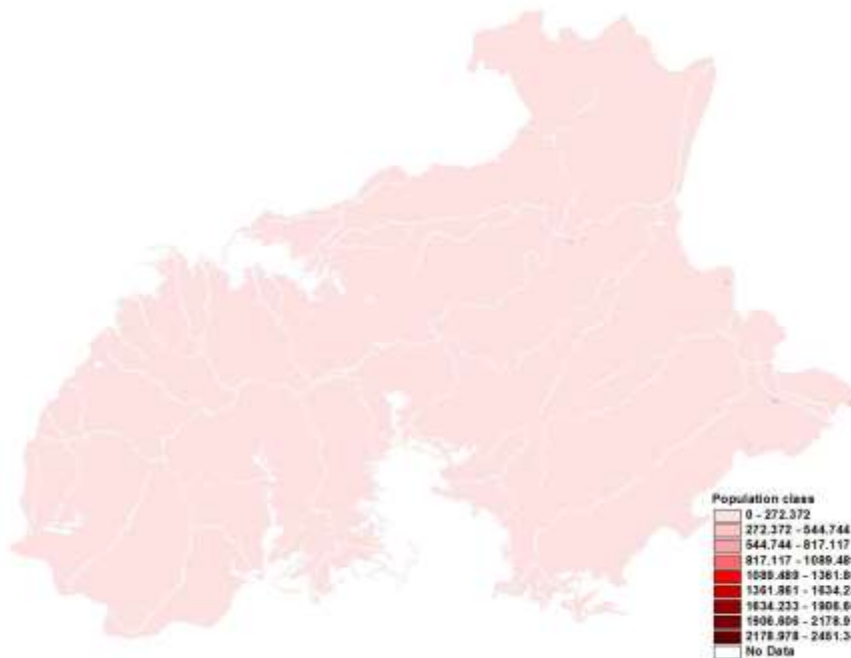


Fig.38: Spatial census population grid of Baramulla District

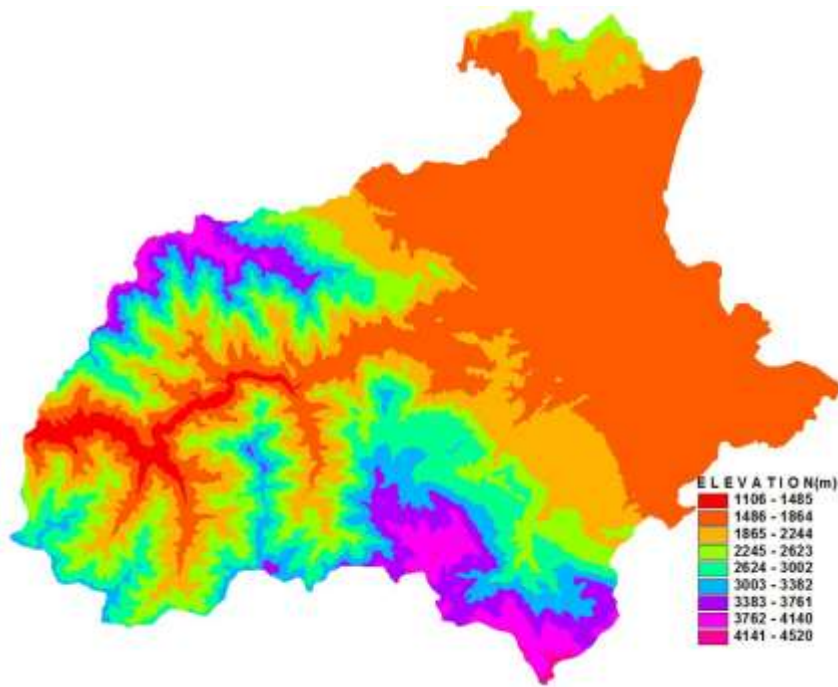


Fig.39: Digital Elevation Model of Baramulla district

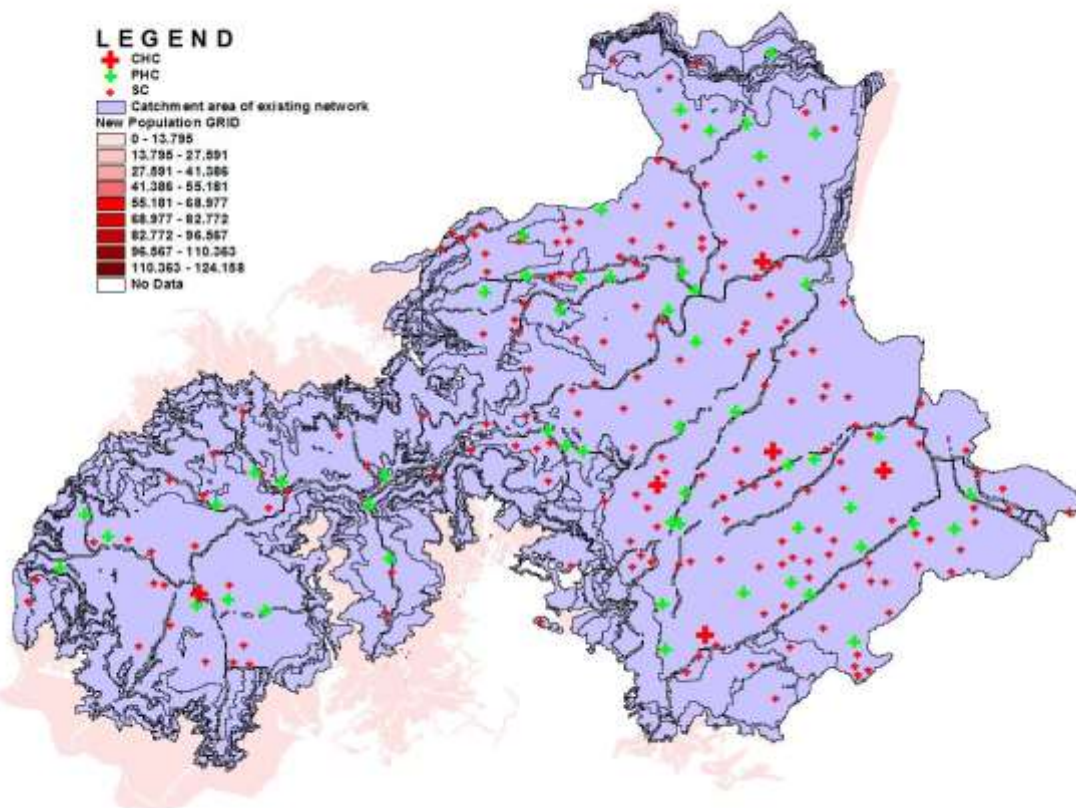


Fig.40: Catchment area of existing health facility network in Baramulla District

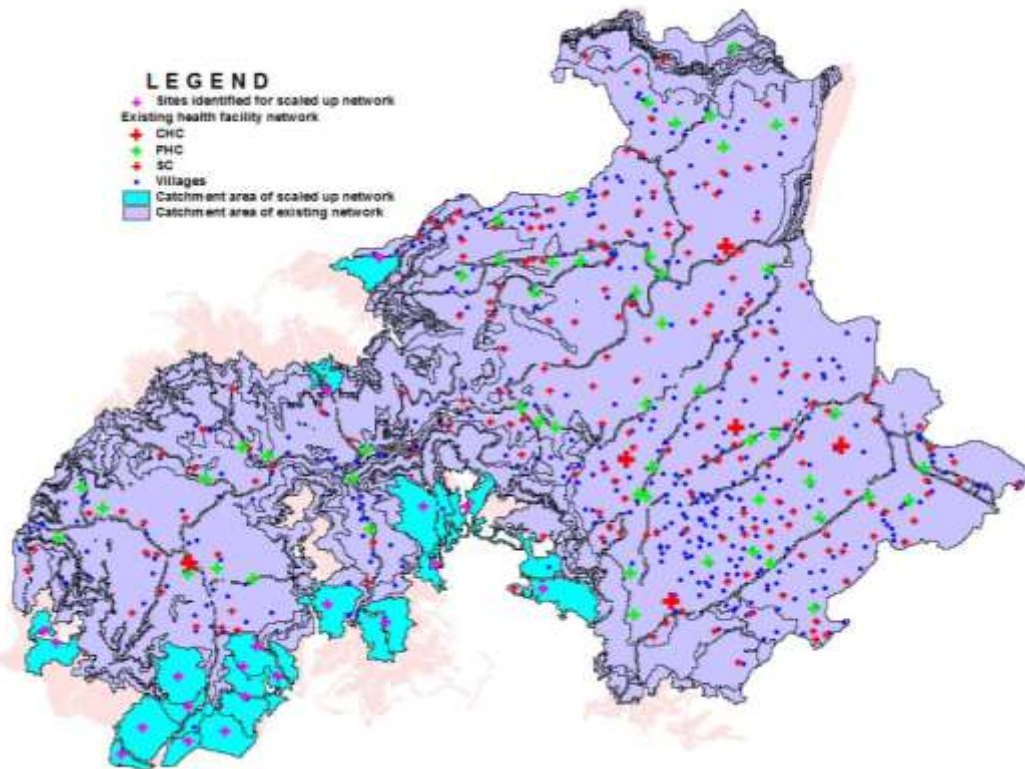


Fig.41: Catchment area of existing and scaled up health facility network in Baramulla district



Fig.42: Sub District Hospital, Uri, Baramulla district

5.6 Ganderbal District

The district Ganderbal was carved out of the Srinagar District. It lies between the geographical coordinates of 74°-40' to 75°-30' E longitude and 34°-05' to 34°-30' N latitude. District Ganderbal is flanked by District Bandipur in the west and North, District Srinagar in the south, District Kargil in the East.. Ganderbal District enjoys a unique physiography with high scenic features and is a gateway to the sky-touching, denuded, magnificent and multicolored mountain ranges of the famous “moon land” i.e. Ladakh. Added to this; the presence of famous health resort Sonamarg and Mansbal lake on its fringes, Qamar Sahib and Tulmulla shrines in its lap and Sindh Nallah traversing through; contribute to the emergence of this area both as a recreation and pilgrim tourist spot, triggering a chain of development activities that would catapult this region into economic prominence. District headquarter is situated at Duderhama Ganderbal. District is divided in to three administrative Tehsils namely Ganderbal, Kangan and Lar. The newly created Tehsil Lar is carved out of existing Tehsil Ganderbal, with Tulmullah Nallah forming boundary between the two Tehsils. As per census of 2001, the district has a population of 212762 while as as per the projected population for 2011, it is 276554. The district has 71 health facilities.

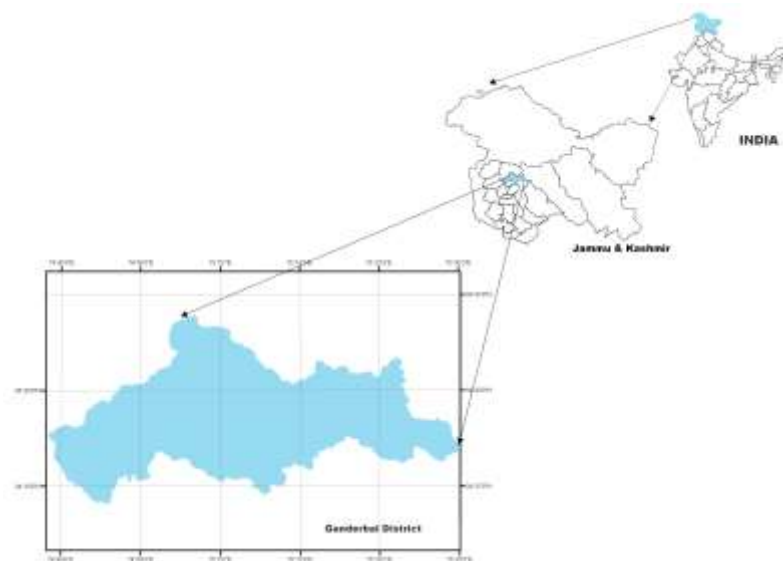


Fig.43: Location of Ganderbal District

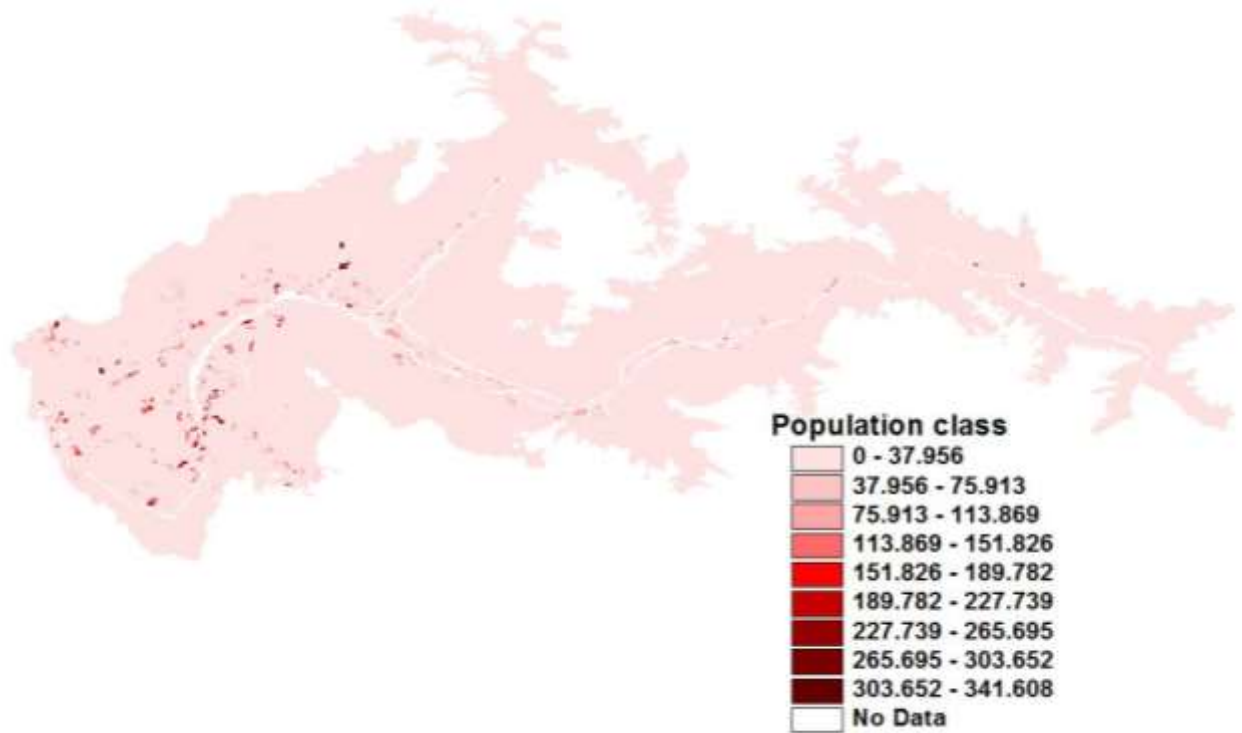


Fig.44: Population grid of Ganderbal district

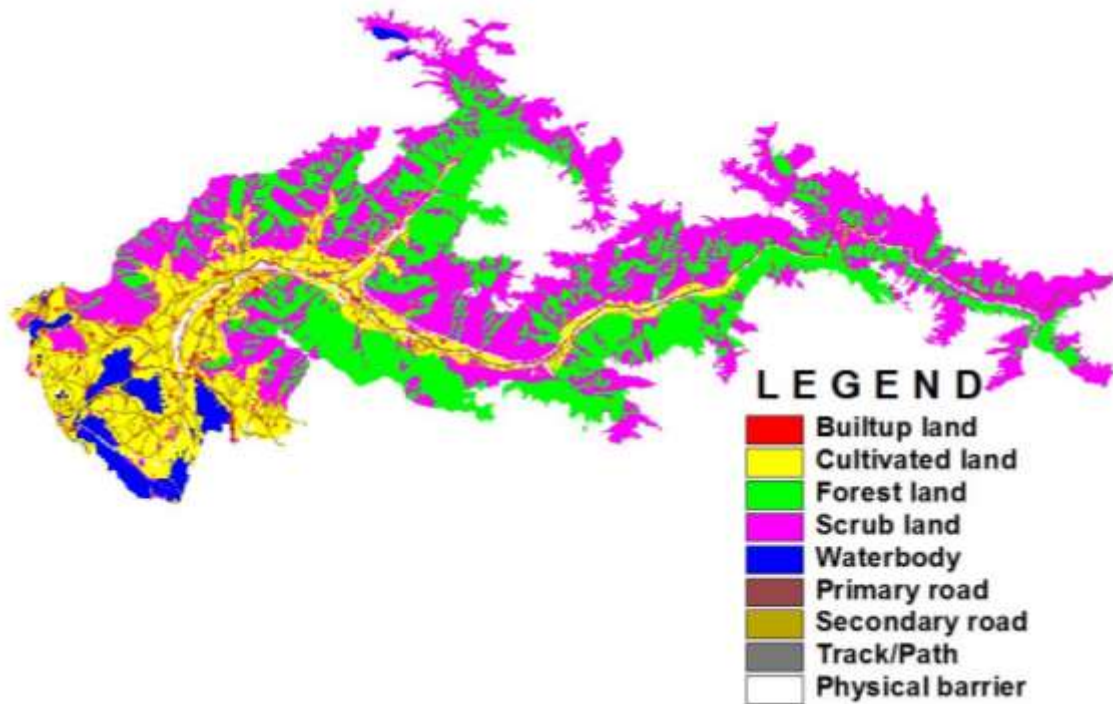


Fig.45: Land use/Land cover grid of Ganderbal district

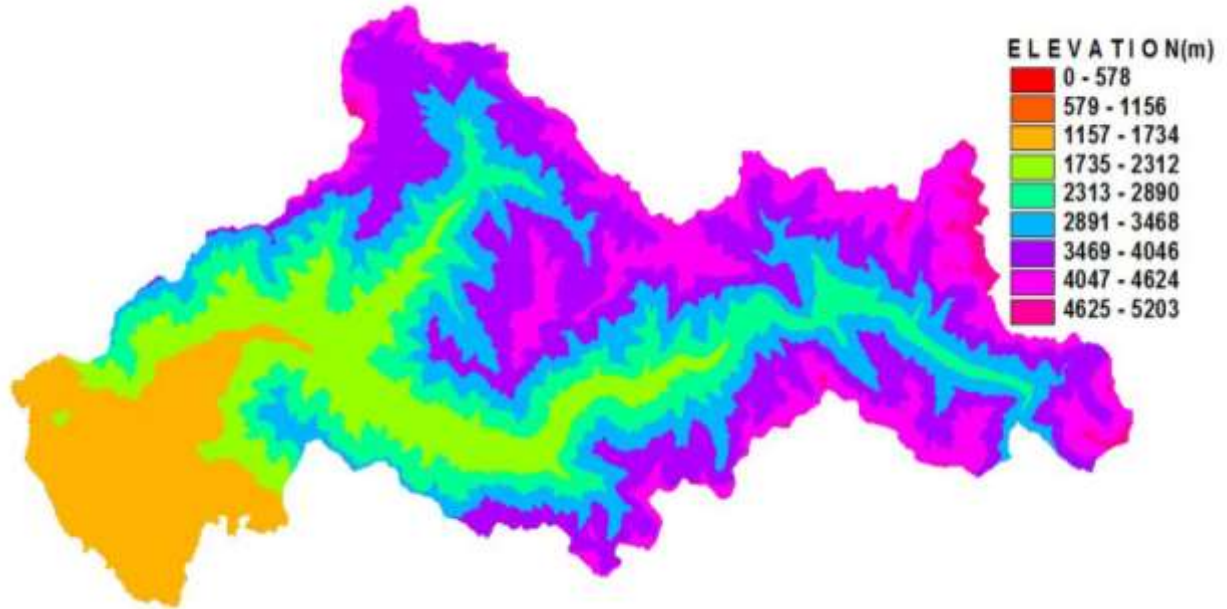


Fig.46: Digital Elevation Model of Ganderbal district

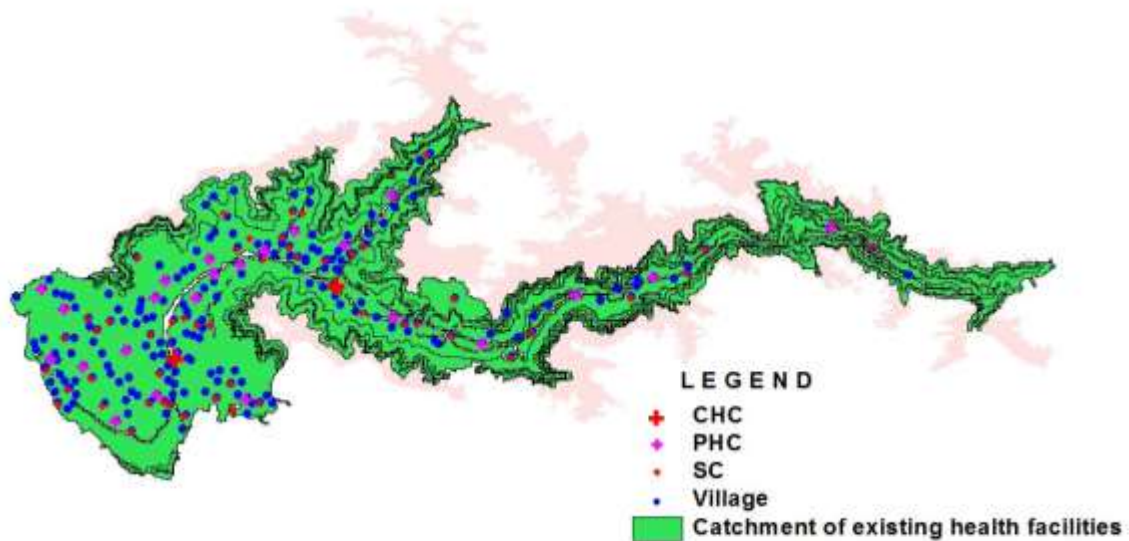


Fig.47: Catchment area of existing health facility network in Ganderbal district

5.7 Kulgam District

The district lies to the South of Shopian, East of Poonch District and West of Anantnag district. The district lies between the geographical coordinates of $74^{\circ}-30'$ to $75^{\circ}-10'$ E longitude and $33^{\circ}-10'$ and $33^{\circ}-40'$ N latitude. The occupation of the people is predominantly agricultural. It shares borders with Ganderbal district in the North, Srinagar, Pulwama, Shopian and Kulgam in the West, Ramban and Doda in the South and Kishtwar district in the East. As per census of 2001, the district has a population of 432109 while as per the projected population for 2011 it is 505652. As per the information made available by the Health Services Department, there are 122 health facilities in the district.

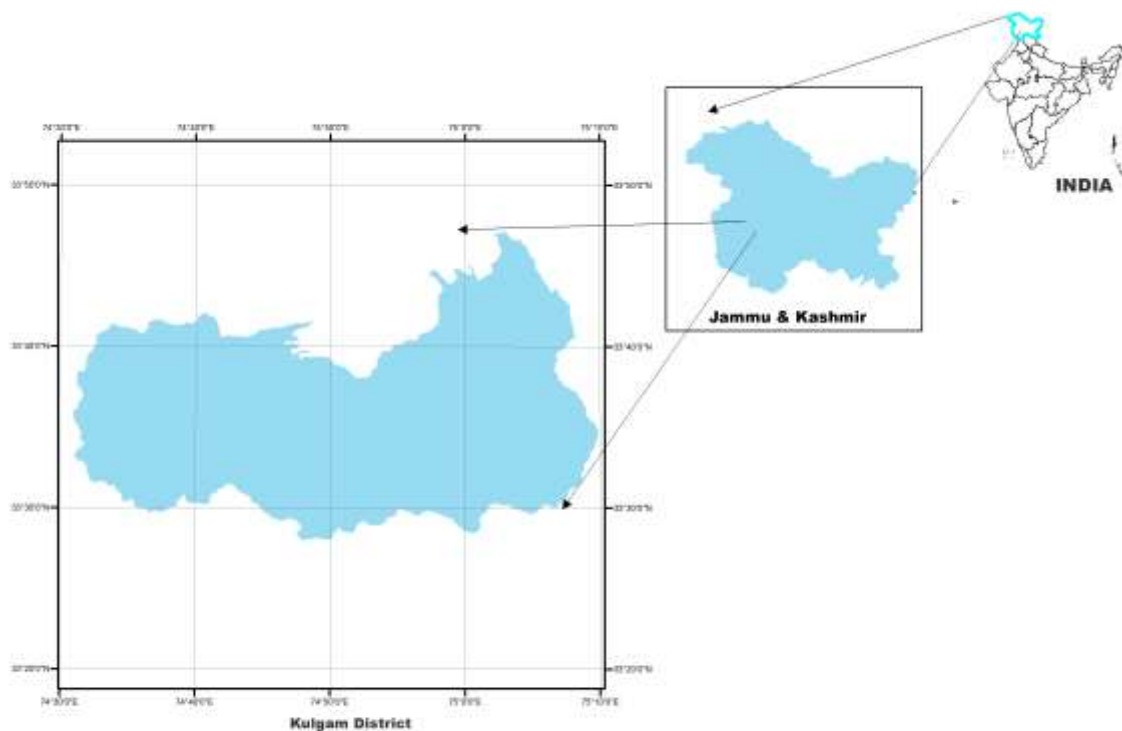


Fig.48: Location of Kulgam District

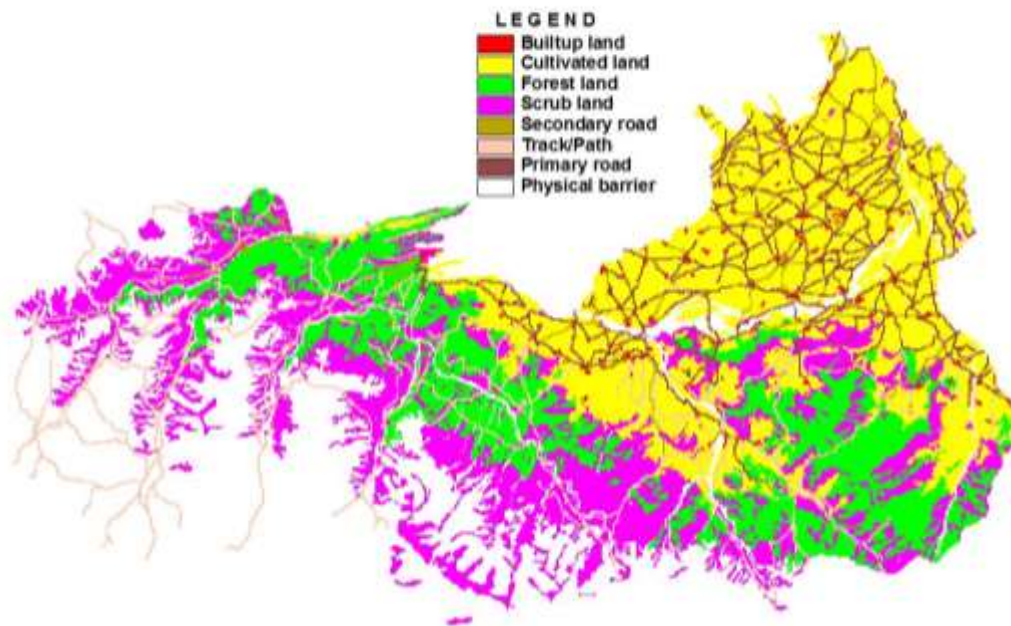


Fig.49: Land use/Land cover grid of Kulgam district

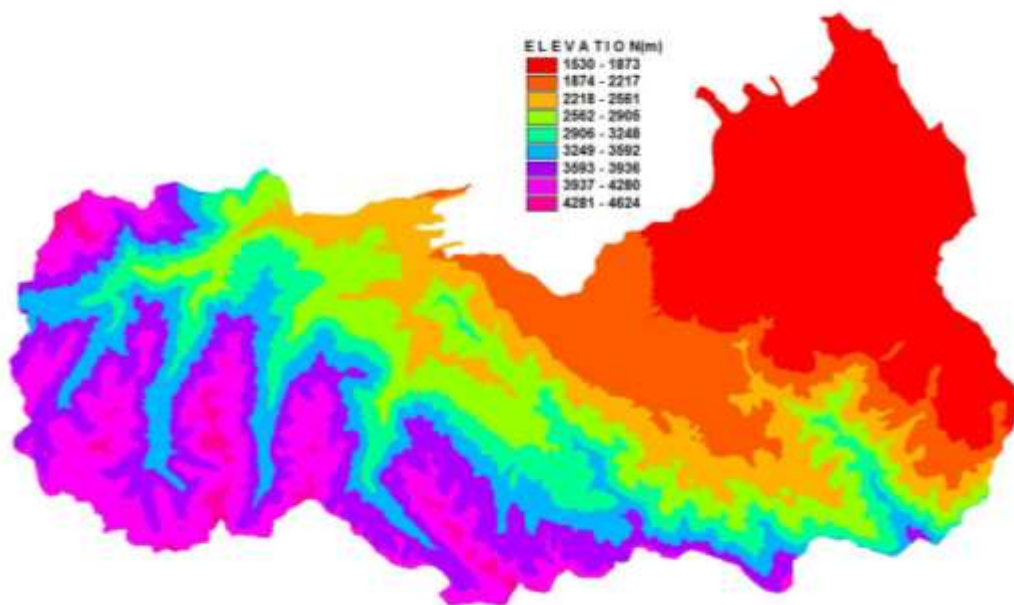


Fig.50: Digital Elevation Model of Kulgam district

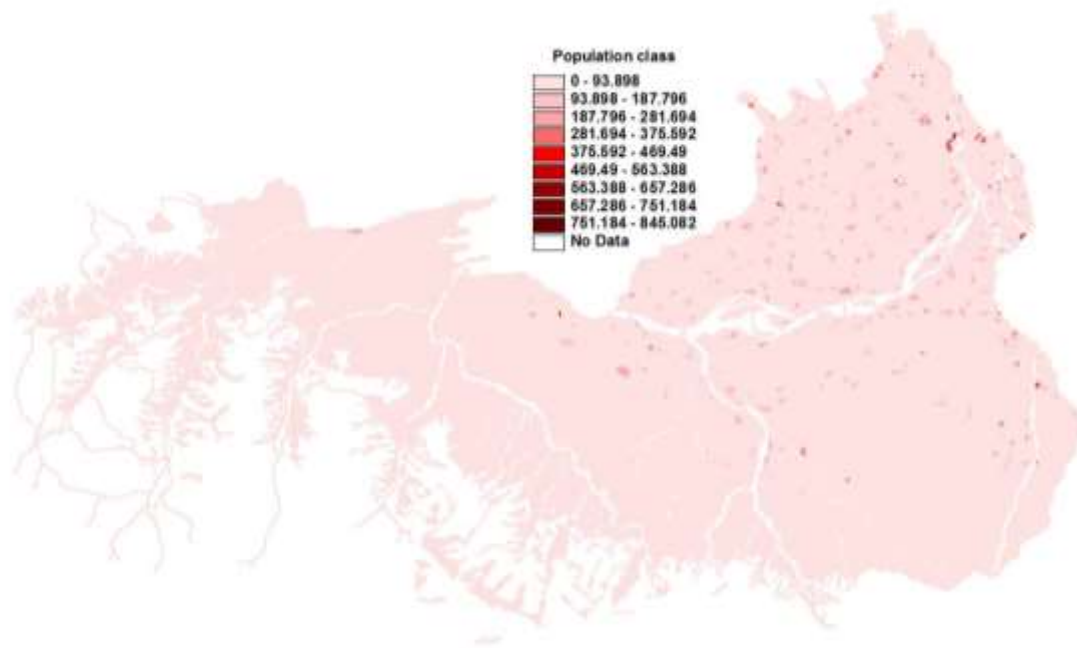


Fig.51: Spatial Census population grid of Kulgam district

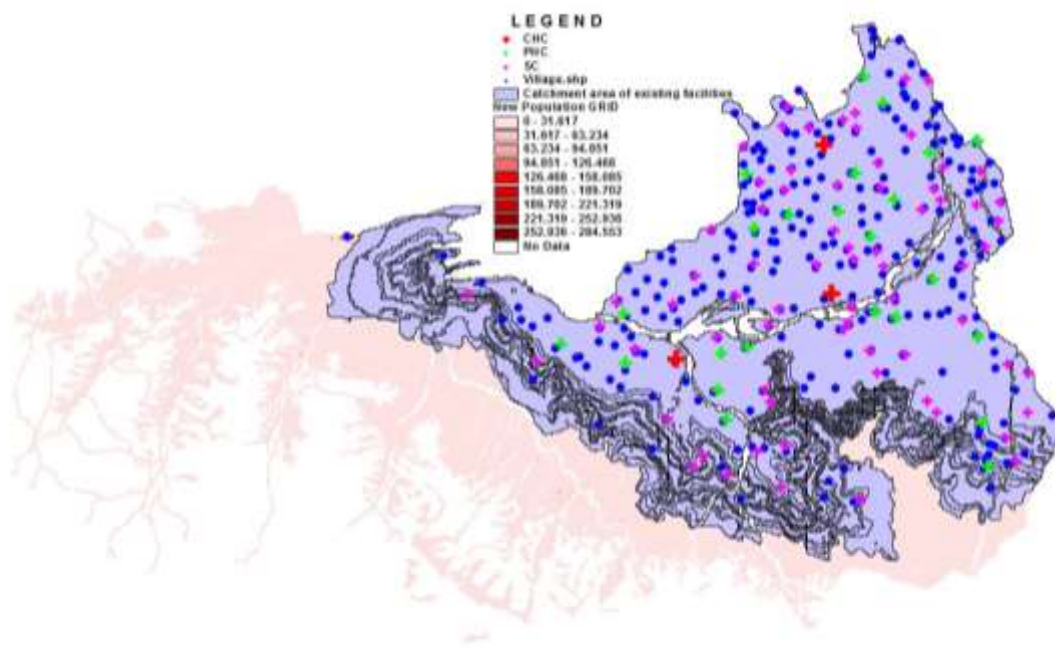


Fig.52: Catchment area of existing health facility network in Kulgam district

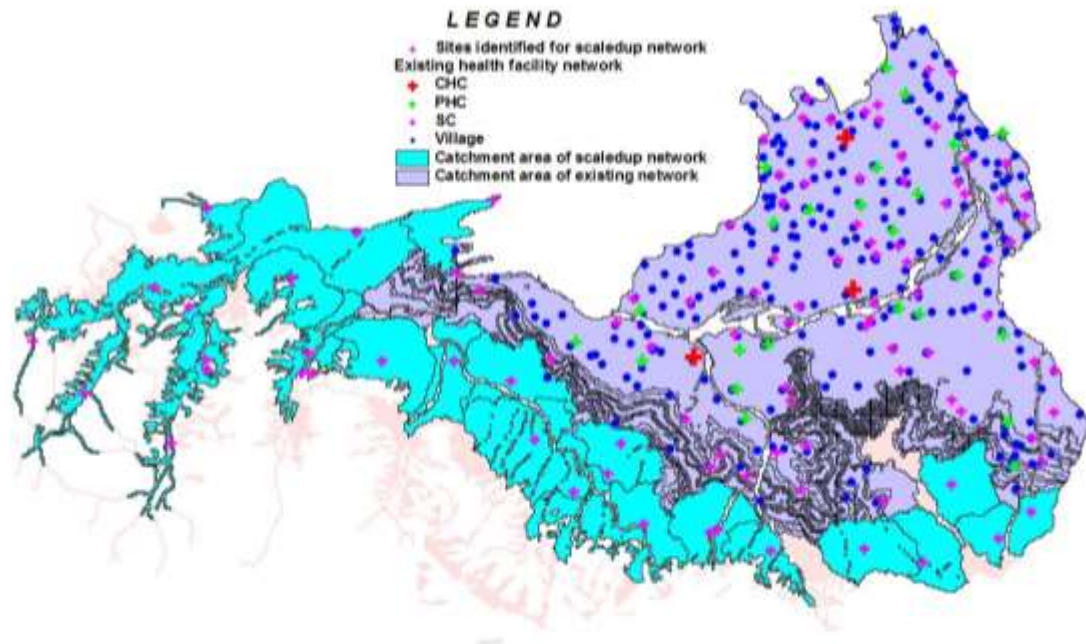


Fig.53: Catchment area of existing and scaled up health facility network in Kulgam district



Fig. 54: District Hospital Kulgam

5.8 Kupwara District

The district lies to the West of Bandipur and Baramulla districts and to the East of LOC. The district lies between the geographical coordinates of $73^{\circ}-40'$ to $74^{\circ}-40'$ E longitude and $33^{\circ}-10'$ to $33^{\circ}-50'$ N latitude. As per census of 2001, the district has a population of 650393 while as per the projected population for 2011, it is 845399. The district has 252 health facilities. The district is a completely hilly district with very rough terrain and the population is scattered across the difficult terrain.

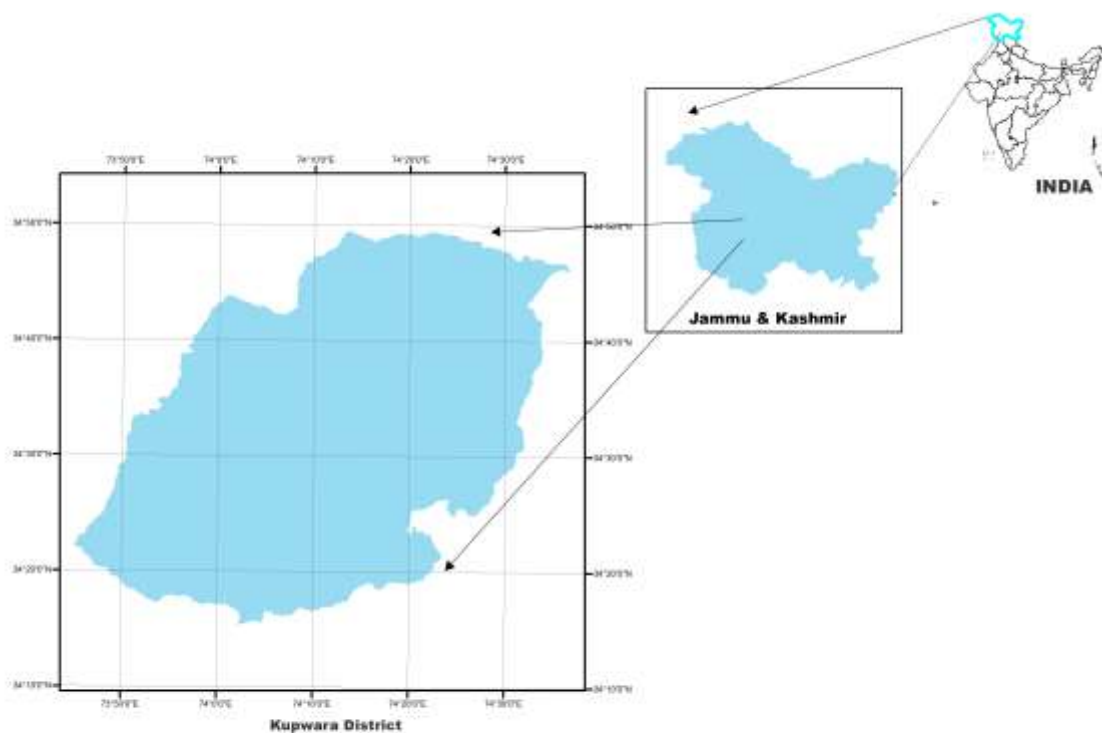


Fig.55: Location of Kupwara District

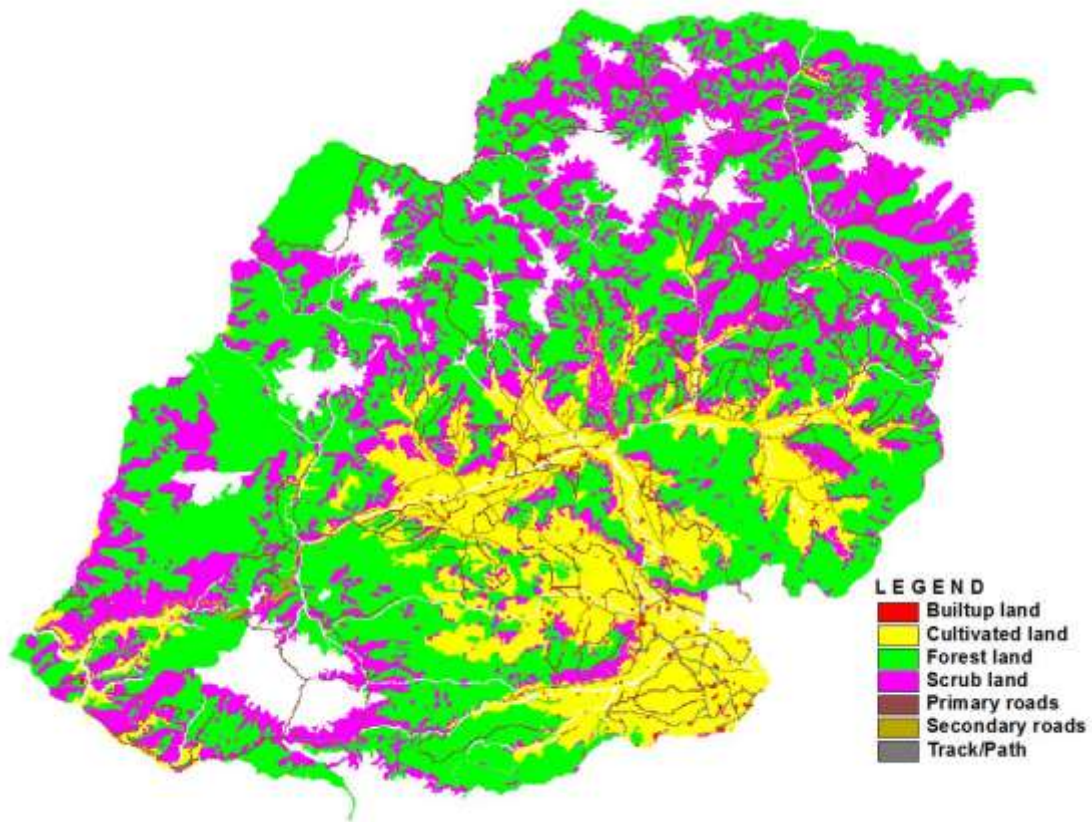


Fig.56: Landuse/Land cover grid of Kupwara district

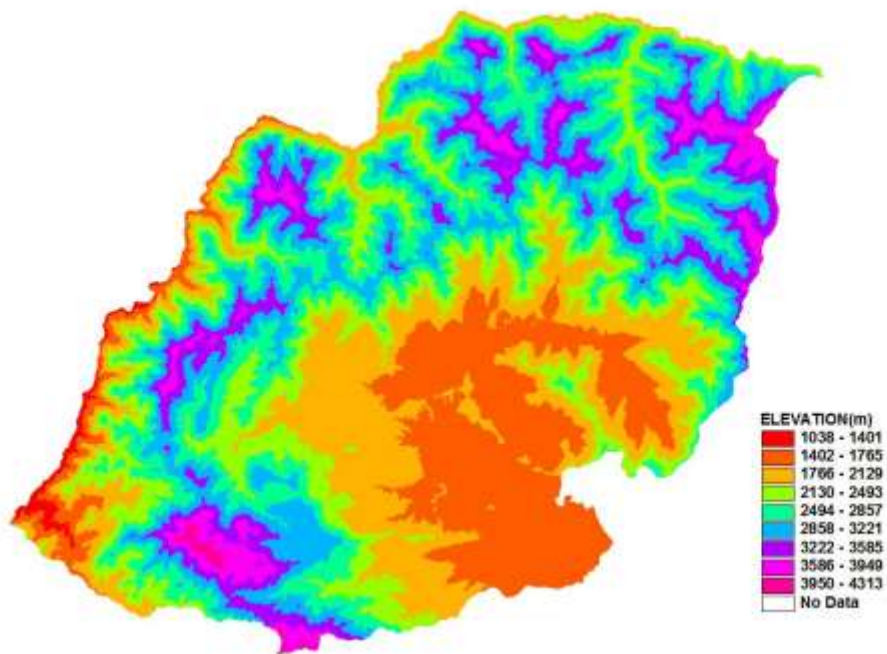


Fig.57: Digital Elevation Model of Kupwara district

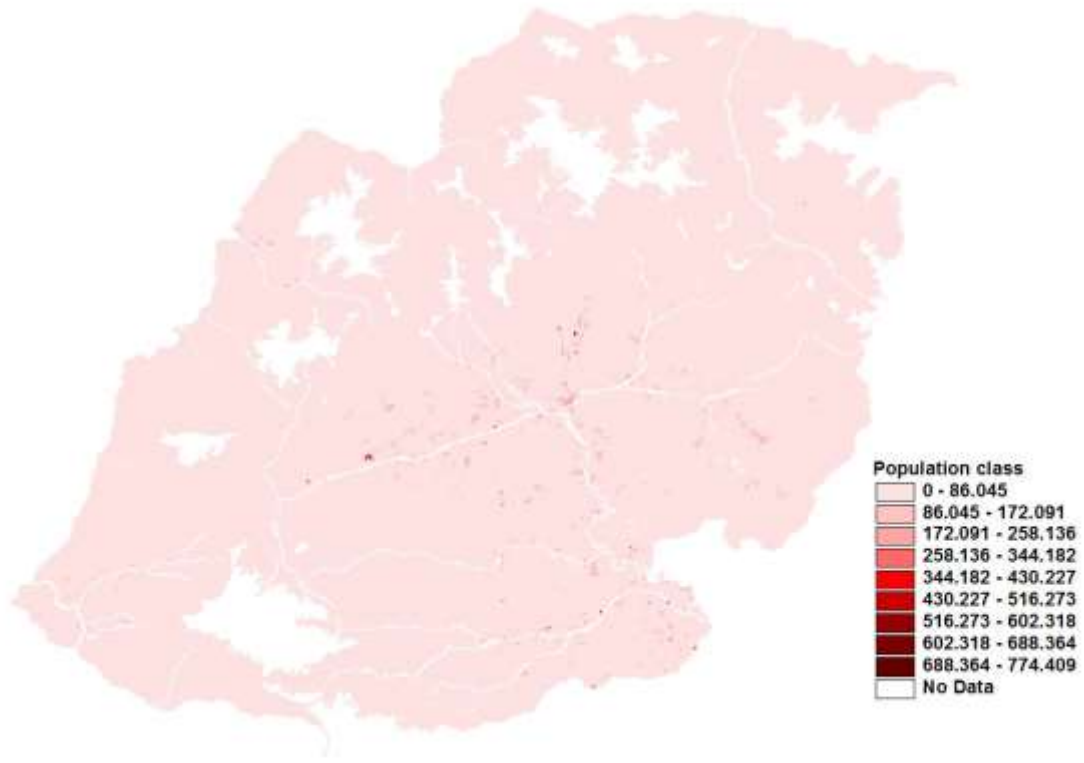


Fig.58: Spatial census population grid of Kupwara district

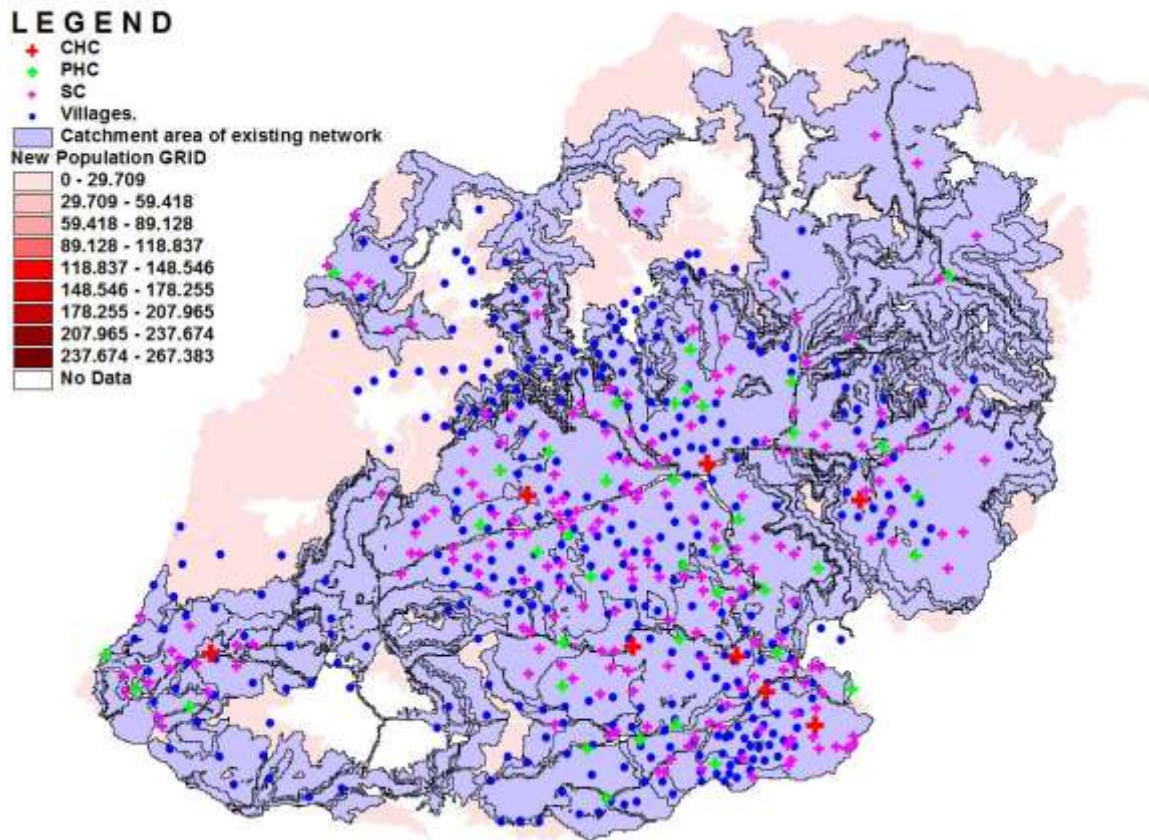


Fig.59: Catchment area of existing health facility network in Kupwara district

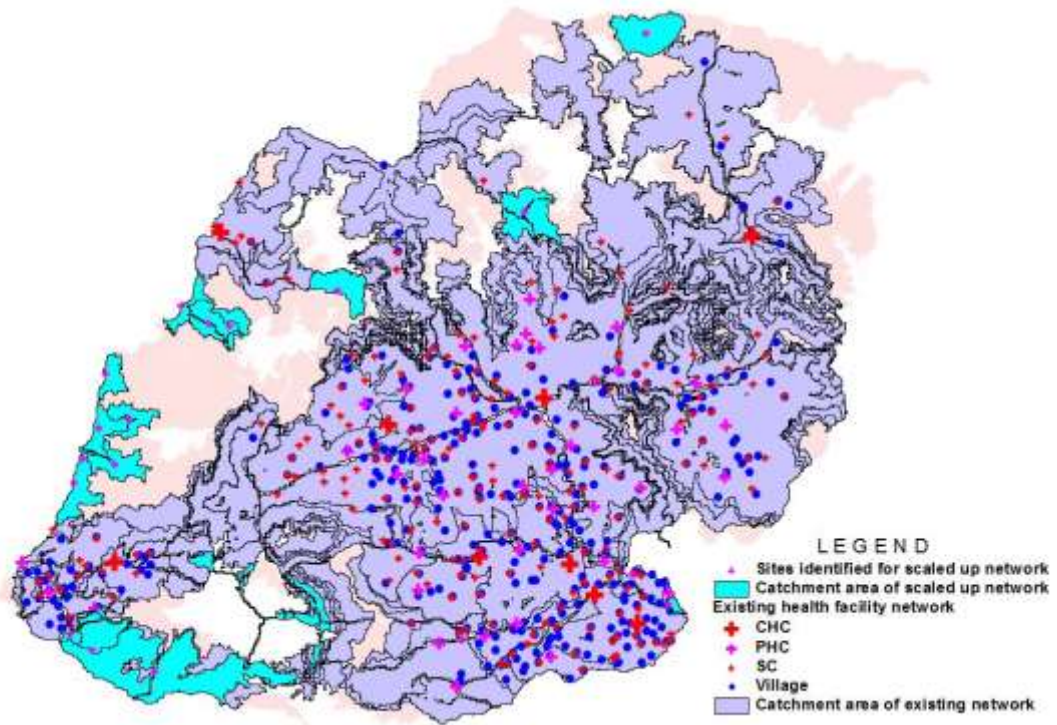


Fig.60: Catchment area of existing and scaled up network in Kupwara district



Fig.61: Settlements in small valleys often get neglected due to inaccessibility

5.9 Pulwama District

The district lies to the South of Shopian, East of Poonch District and West of Anantnag district. The district lies between the geographical coordinates of $74^{\circ}-40'$ to $75^{\circ}-20'$ E longitude and $33^{\circ}-40'$ and $34^{\circ}-10'$ N latitude. The occupation of the people is predominantly agricultural. It shares borders with Srinagar district in the North, Badgam in the West, Shopian district in the South and Anantnag district in the East. As per census of 2001, the district has a population of 441275 while as per the projected population for 2011 it is 573581. As per the information made available by the Health Services Department, there are 112 health facilities in the district.

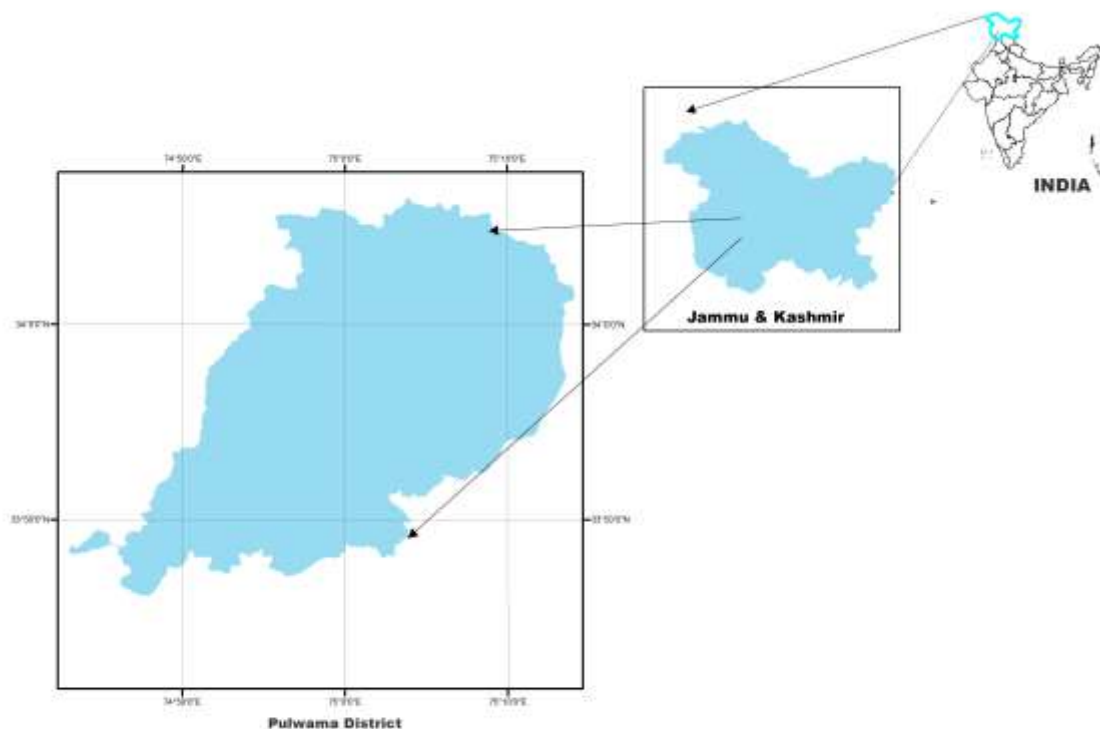


Fig.62: Location of Pulwama District

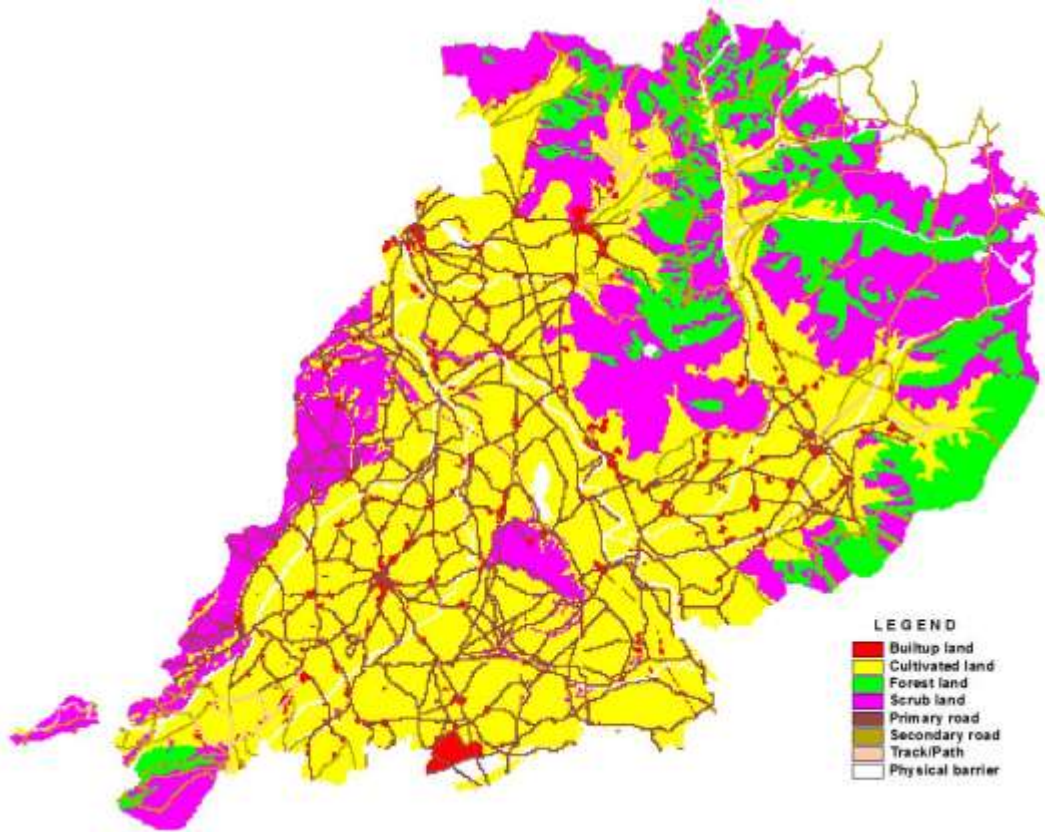


Fig.63: Land use/Land cover grid of Pulwama district

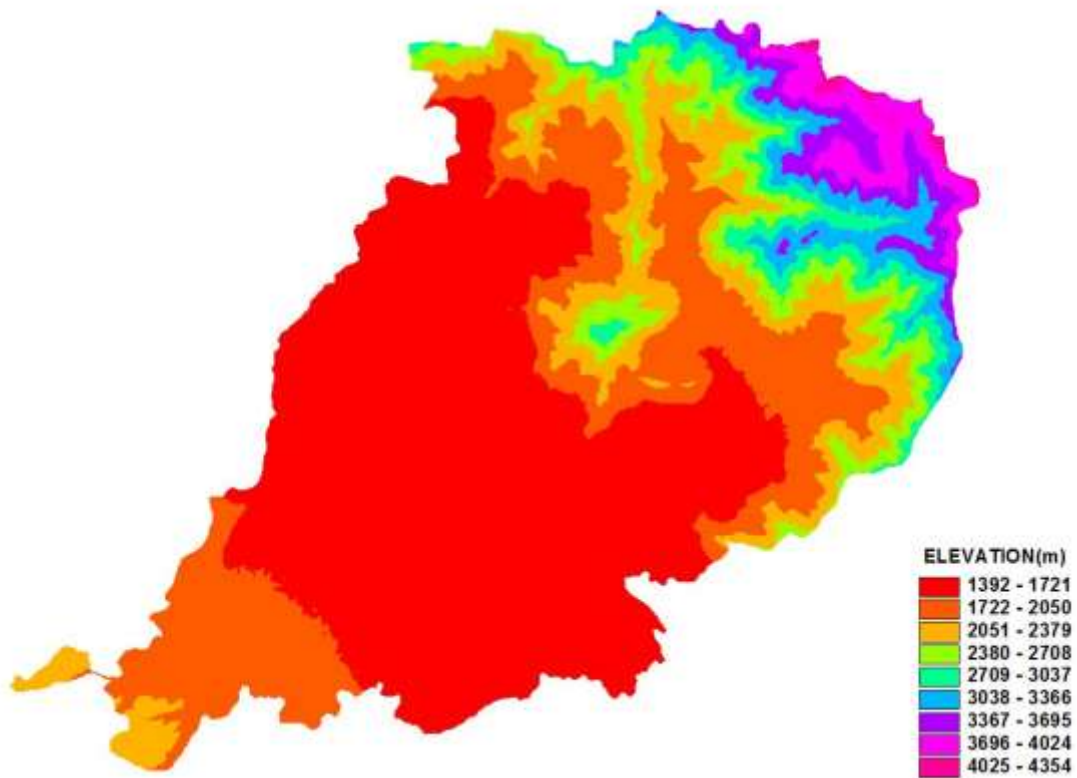


Fig.64: Digital Elevation Model of Pulwama district

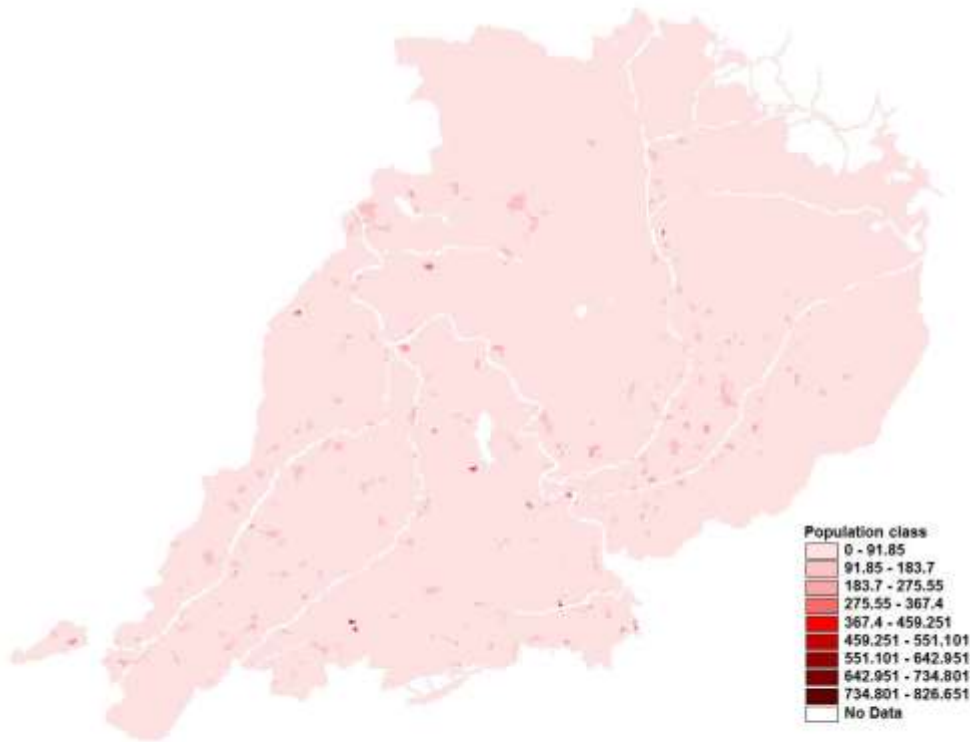


Fig.65: Spatial Census population grid of Pulwama district

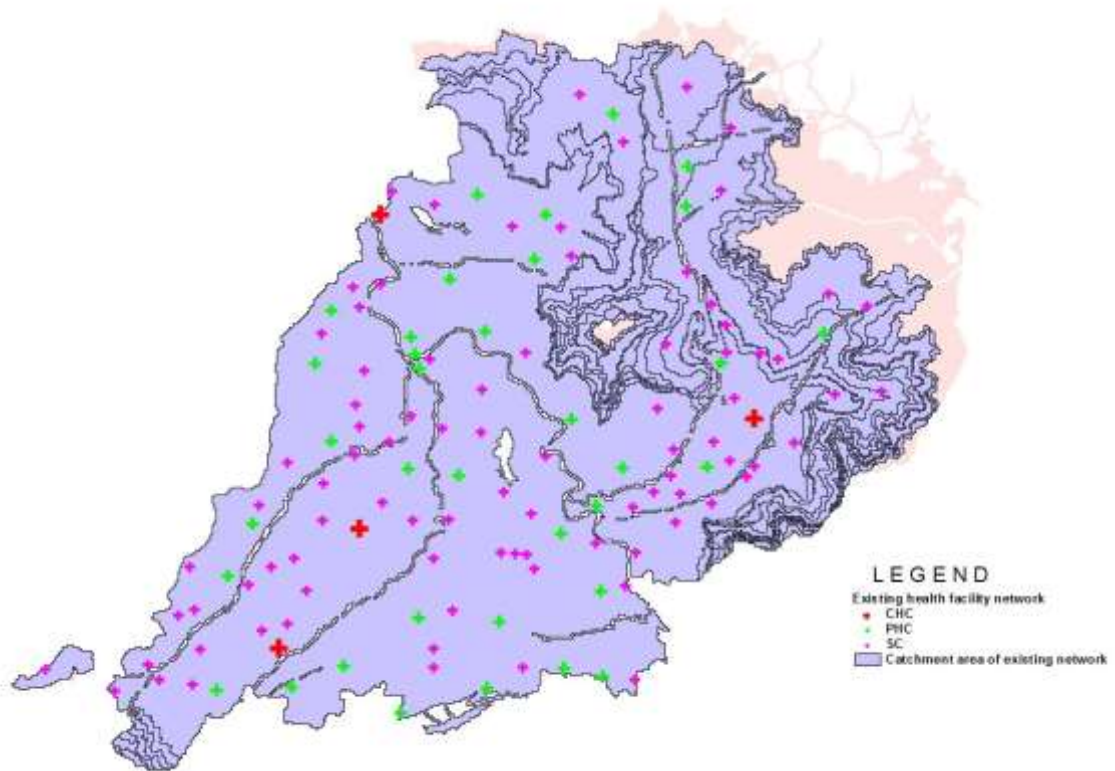


Fig.66: Catchment area of existing health facility network in Pulwama district

5.10 Shopian District

The district lies to the South of Pulwama district, North-West of Kulgam District and East of Badgam district. The district lies between the geographical coordinates of $74^{\circ}-30'$ to $75^{\circ}-10'$ E longitude and $33^{\circ}-35'$ and $33^{\circ}-50'$ N latitude. It is a hilly district and was recently carved out of the Pulwama district. As per census of 2001, the district has a population of 211332 while as per the projected population for 2011 it is 274695. As per the information made available by the Health Services Department, there are 80 health facilities in the district.

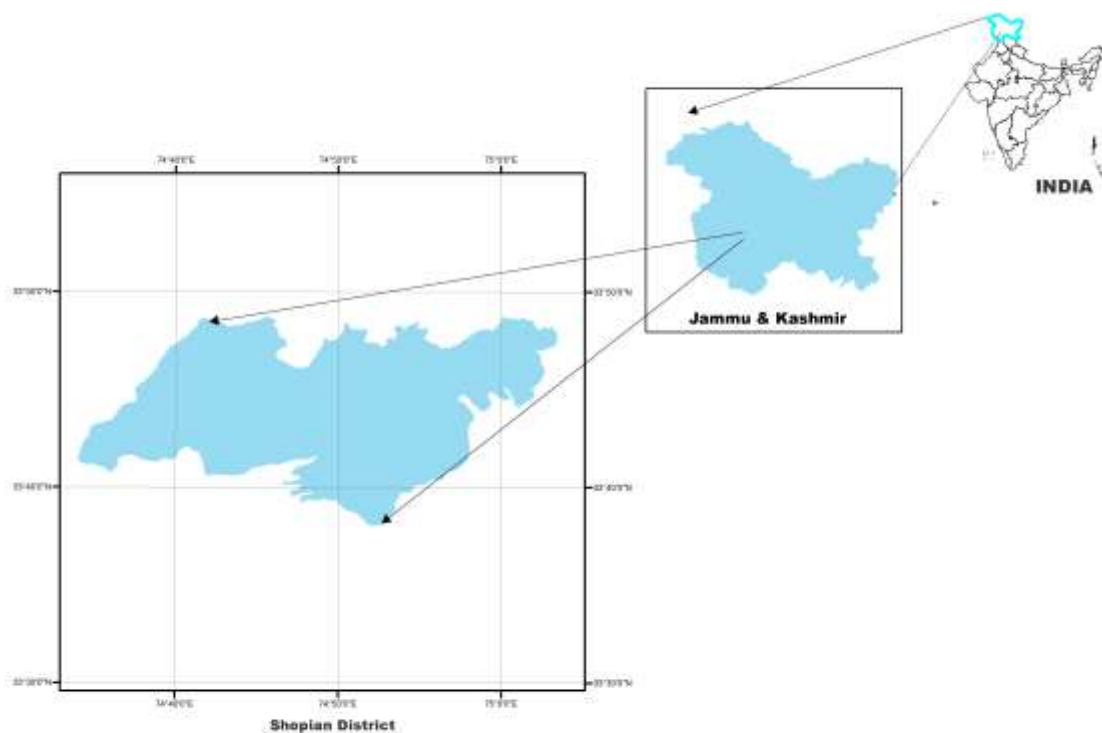


Fig.67: Location of Shopian District

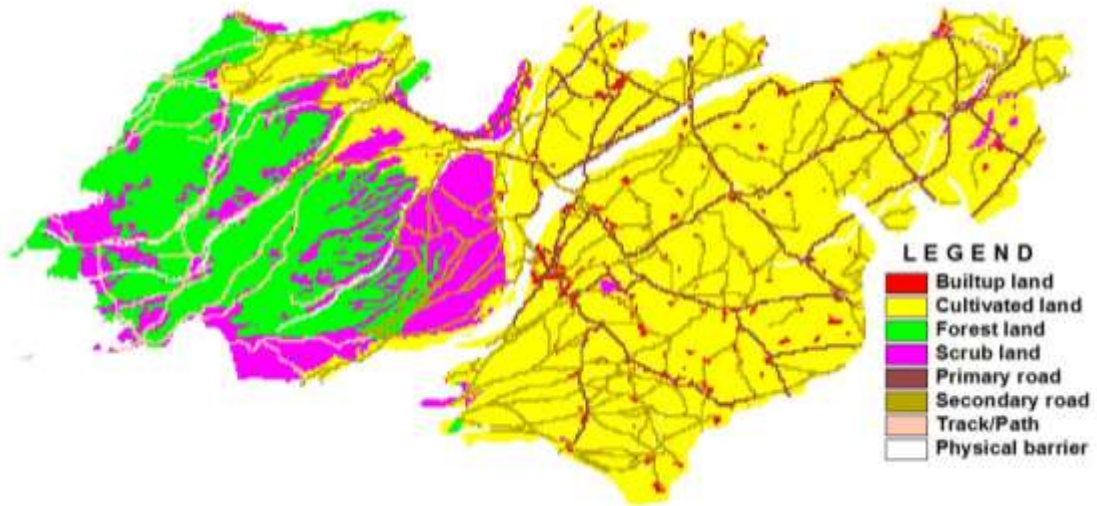


Fig.68: Land use/Land cover grid of Shopian district



Fig.69: Digital Elevation Model of Shopian district



Fig.70: Spatial Census population grid of Shopian district

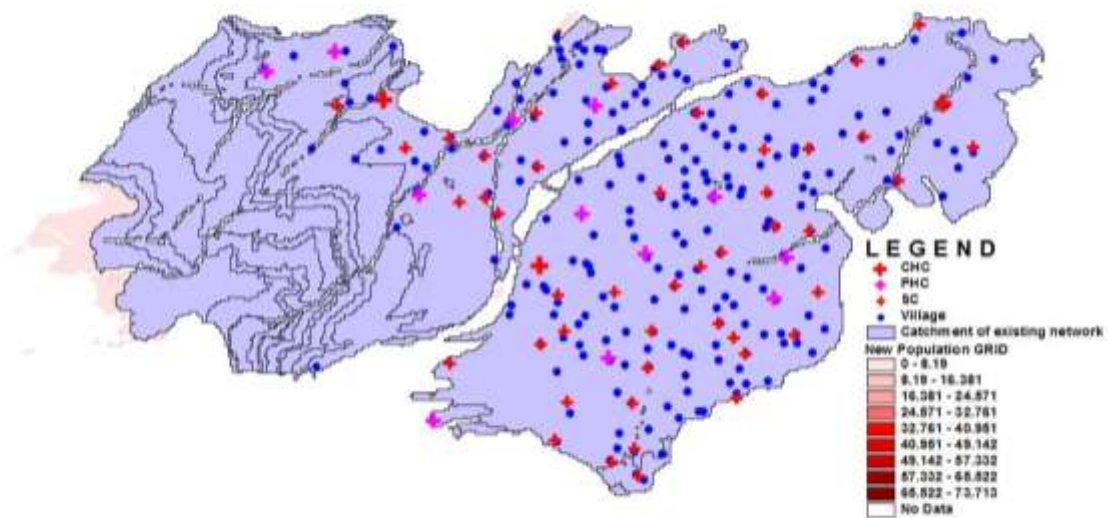


Fig.71: Catchment area of existing health facility network in Shopian district

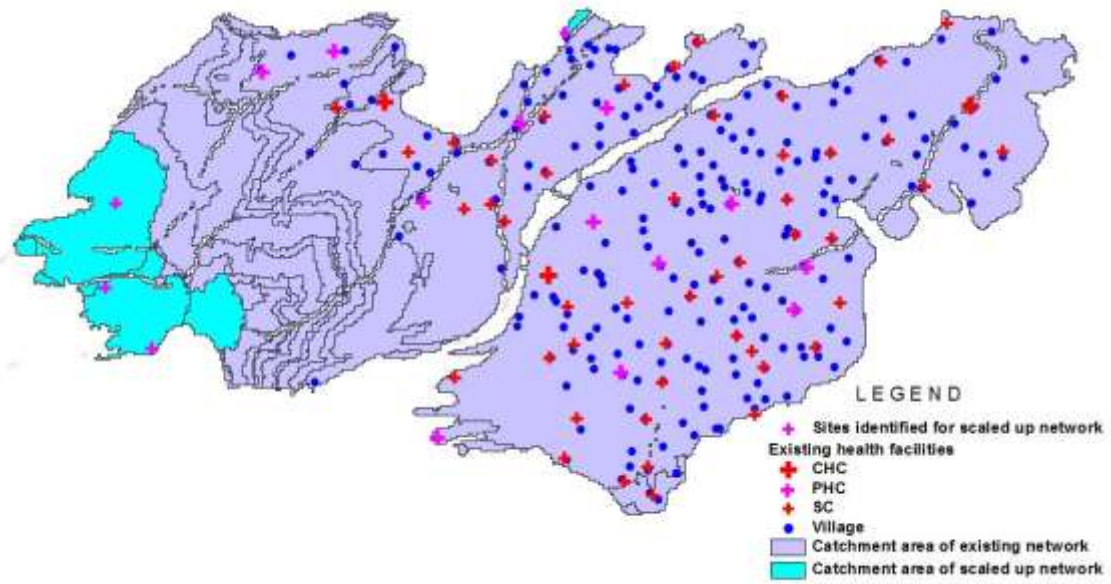


Fig.72: Catchment area of existing and scaled up health facility network in Shopian district



Fig.73: Location of District Hospital, Shopian on the high resolution satellite image

5.11 Srinagar District

The district Srinagar is centrally located in the Kashmir valley. It lies between the geographical coordinates of $74^{\circ}-40'$ to $75^{\circ}-10'$ E longitude and $34^{\circ}-00'$ to $34^{\circ}-15'$ N latitude. It is bounded by District Ganderbal from the North, District Pulwama from the East, District Bandipur from the West and District Badgam from the South. As per census of 2001, the district has a population of 1079784 while as per the projected population for 2011 it is 1286420. The district has 68 health facilities.

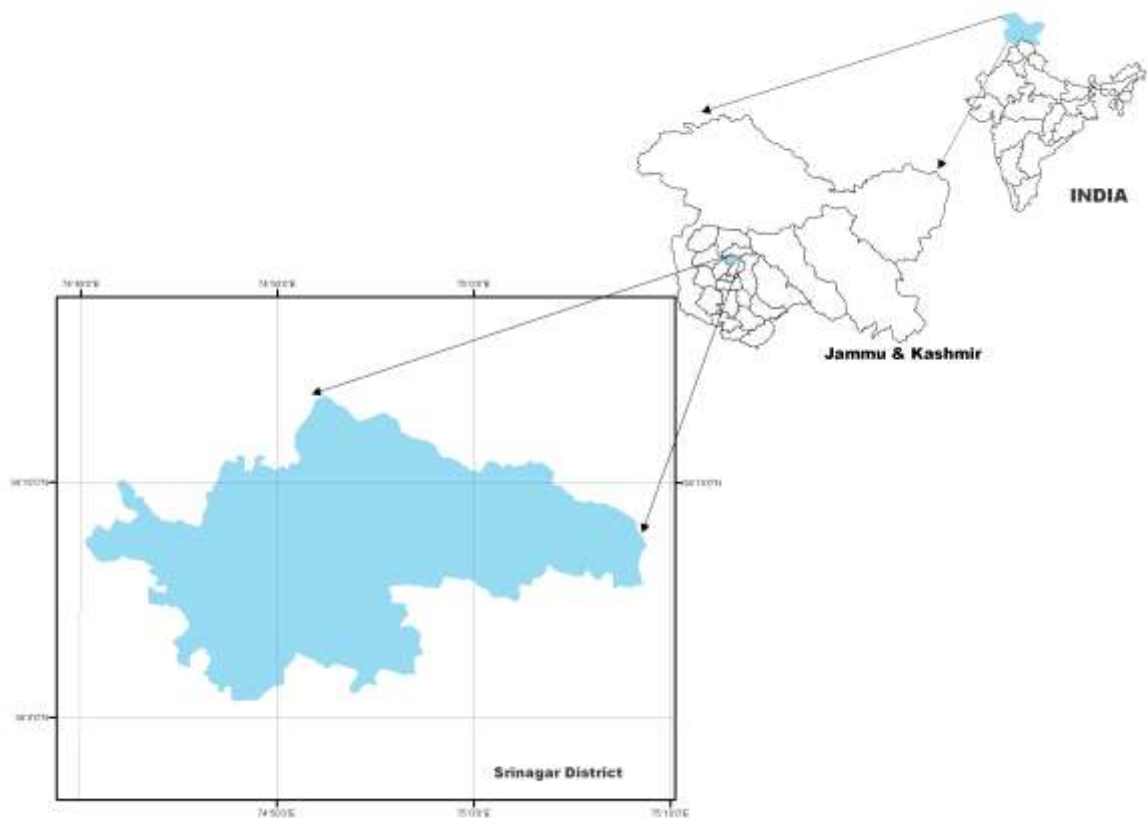


Fig.74: Location of Srinagar District

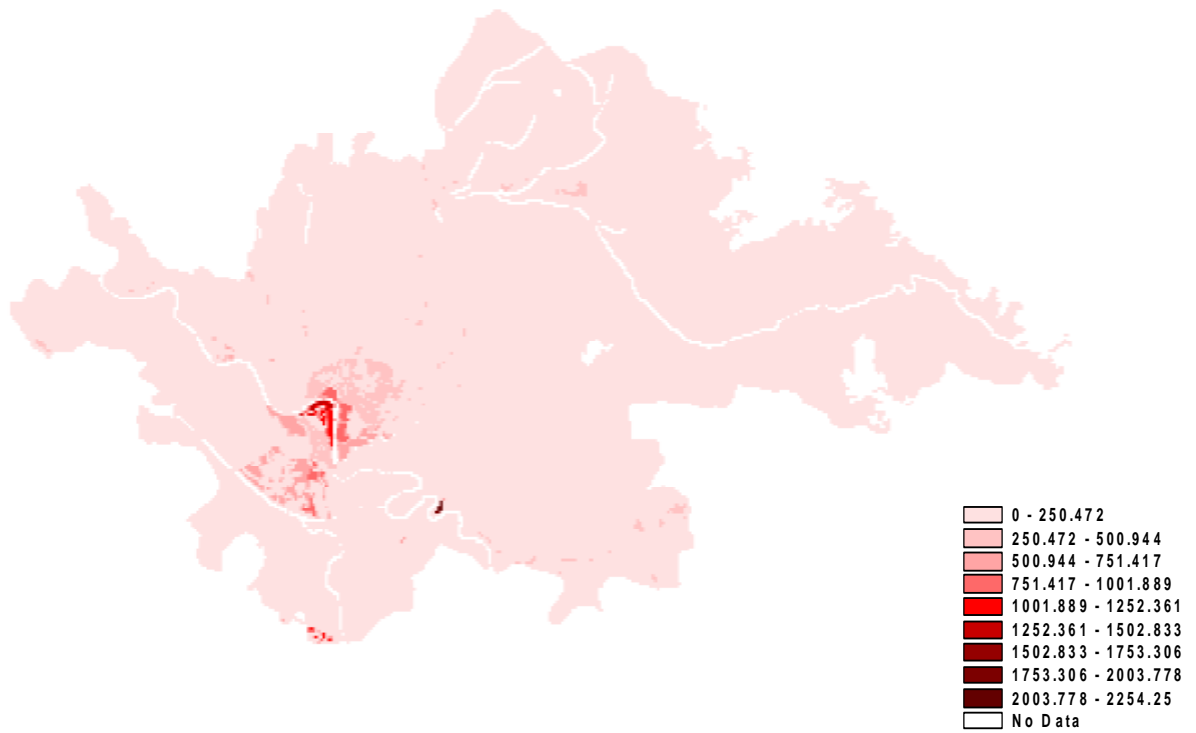


Fig.75: Population Grid of Srinagar district

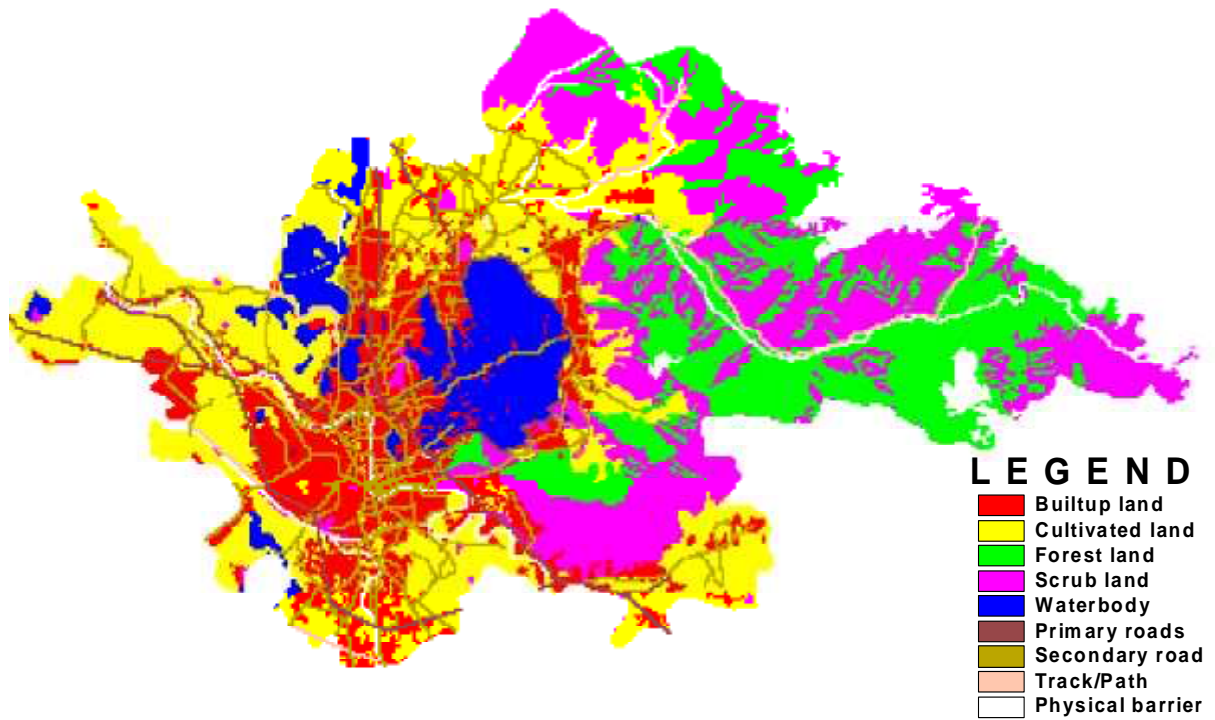


Fig.76: Landuse/Land cover map of Srinagar district

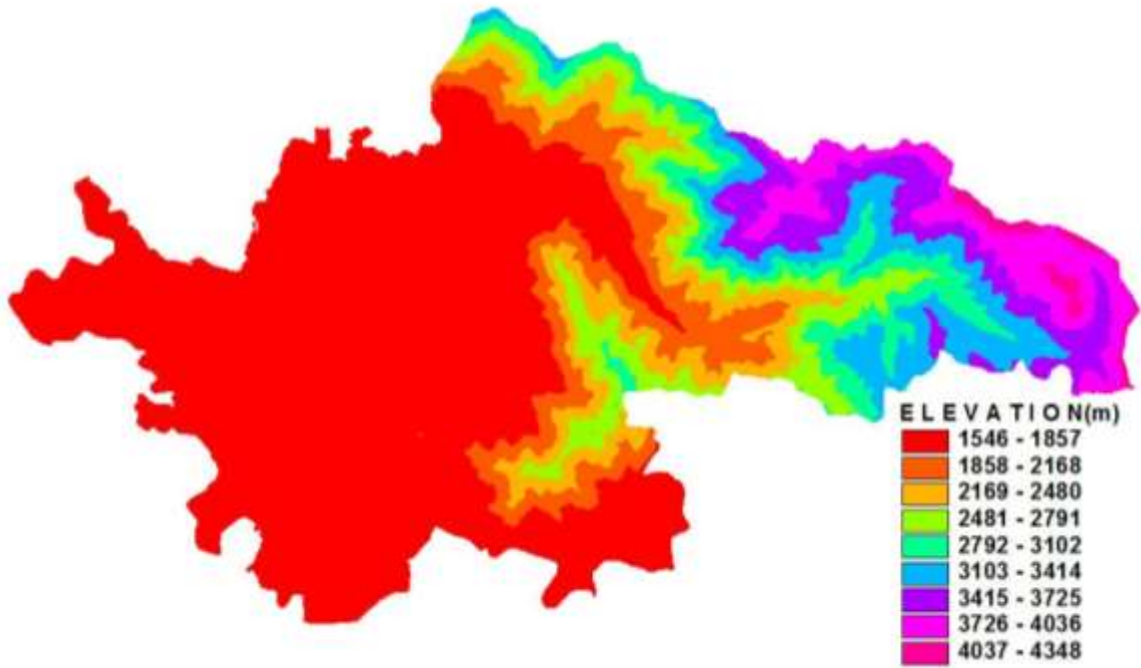


Fig.77: Digital Elevation Model(DEM) of Srinagar district

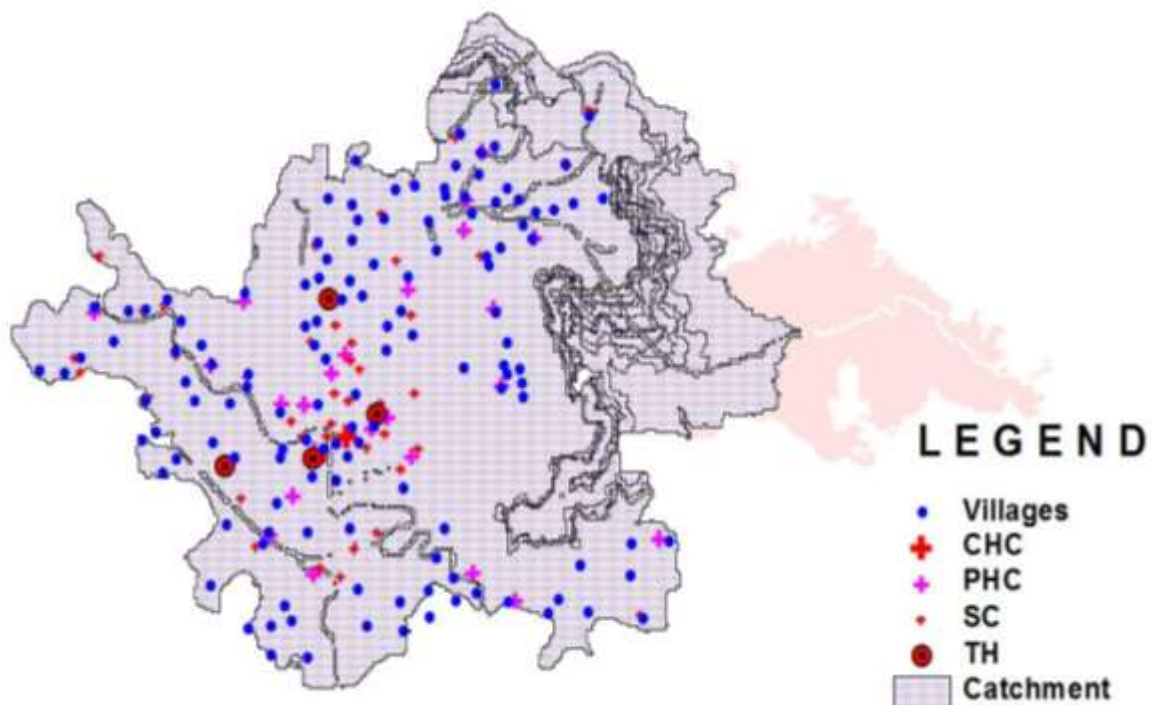


Fig.78: Catchment area health facilities in Srinagar district

JAMMU DIVISION

5.12 Doda District

The erstwhile District Doda was splitted into three districts of Kishtwar, Ramban and Doda. Now, the district lies to the North of Udhampur district and South of Kishtwar district. It also borders the district Ramban from the west and shares borders with Himachal Pradesh. The district lies between the geographical coordinates of $75^{\circ}-20'$ to $76^{\circ}-15'$ E longitude and $32^{\circ}-50'$ to $33^{\circ}-30'$ N latitude. As per census of 2001, the district has a population of 320256 while as as per the projected population for 2011, it is 416278. The district has 166 health facilities. The district is a completely hilly district with very rough terrain and the population is scattered across the difficult terrain.

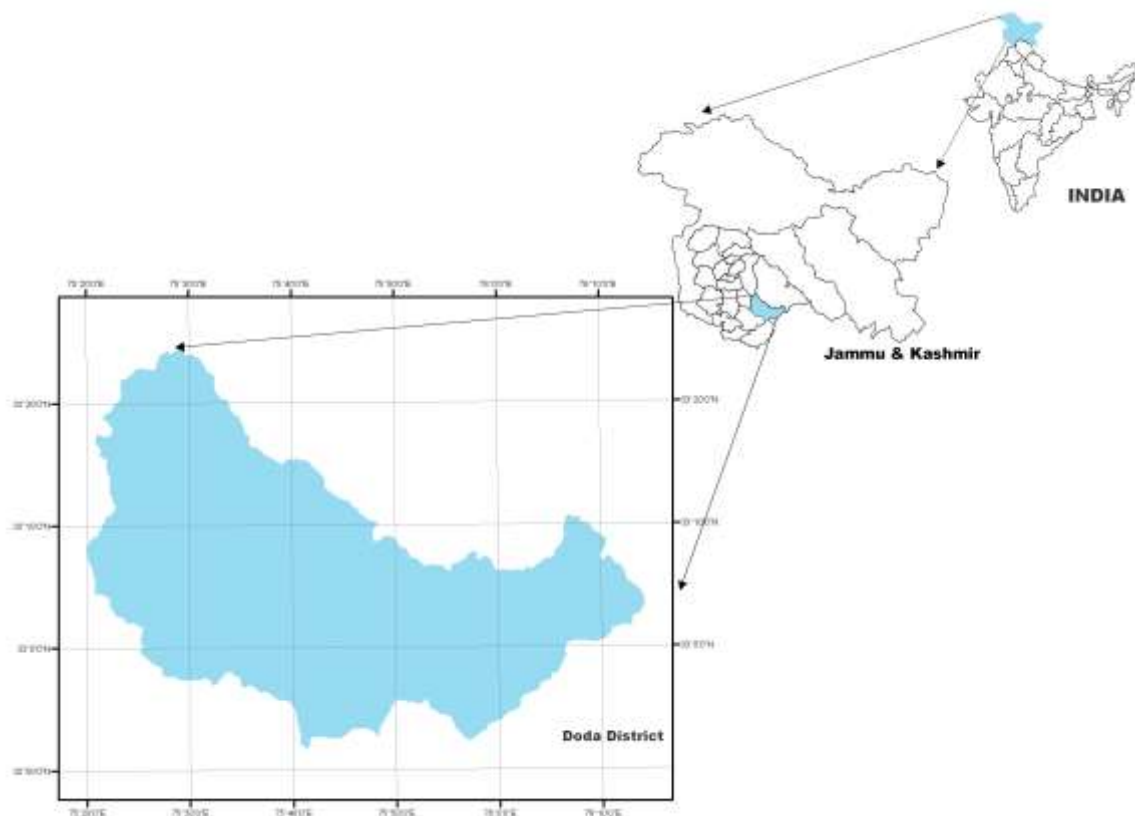


Fig.79: Location of Doda District

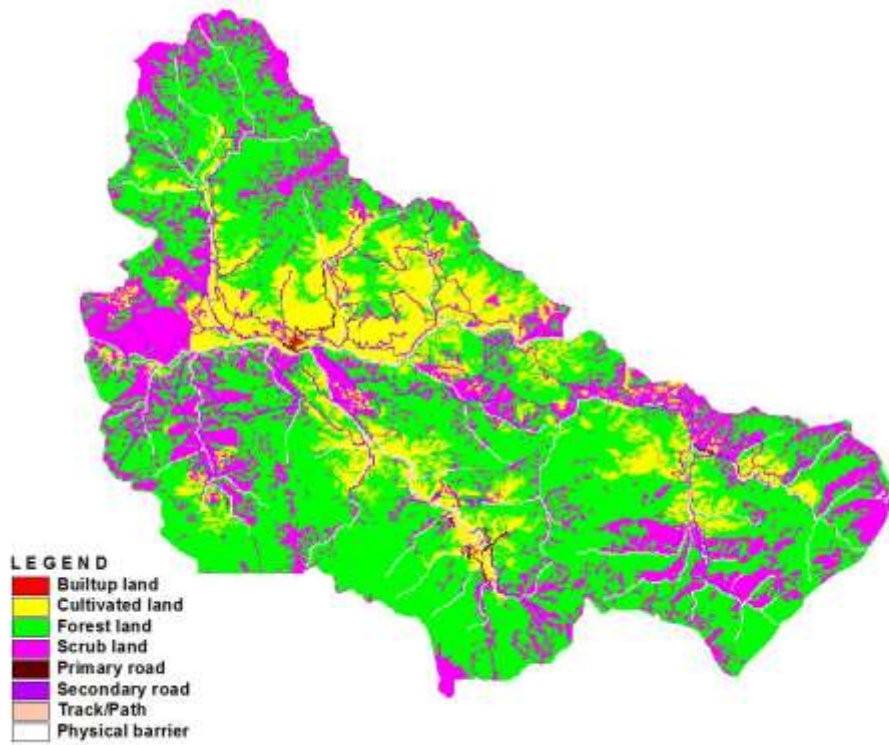


Fig.80: Land use/Land cover Grid of Doda district

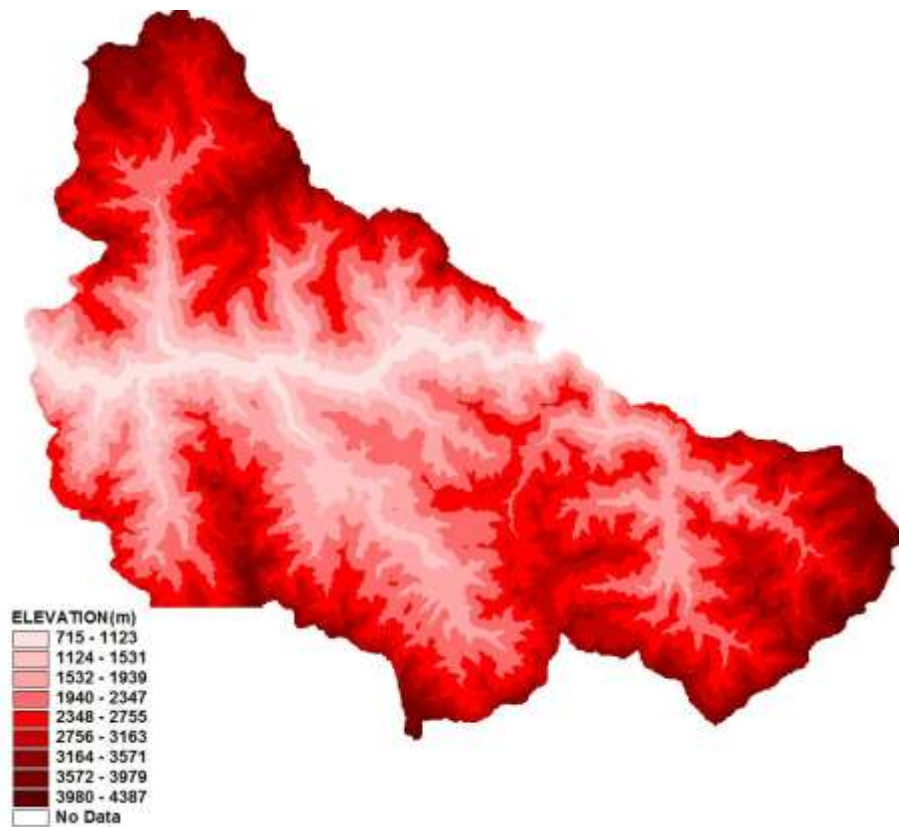


Fig.81: Digital elevation model of Doda district

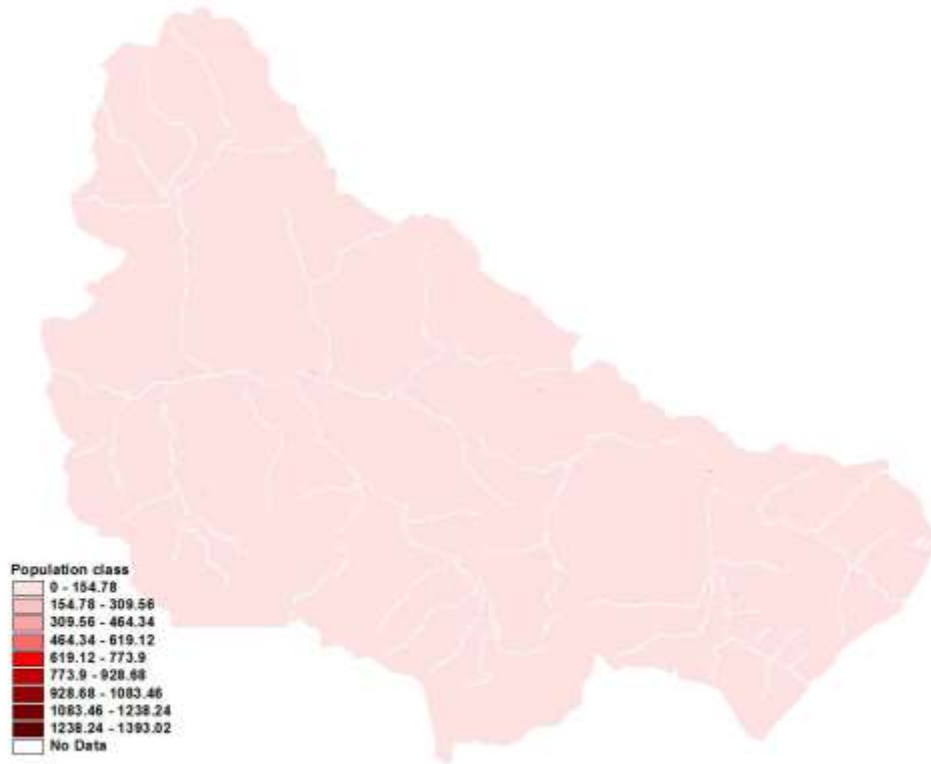


Fig.82: Population Grid of Doda district

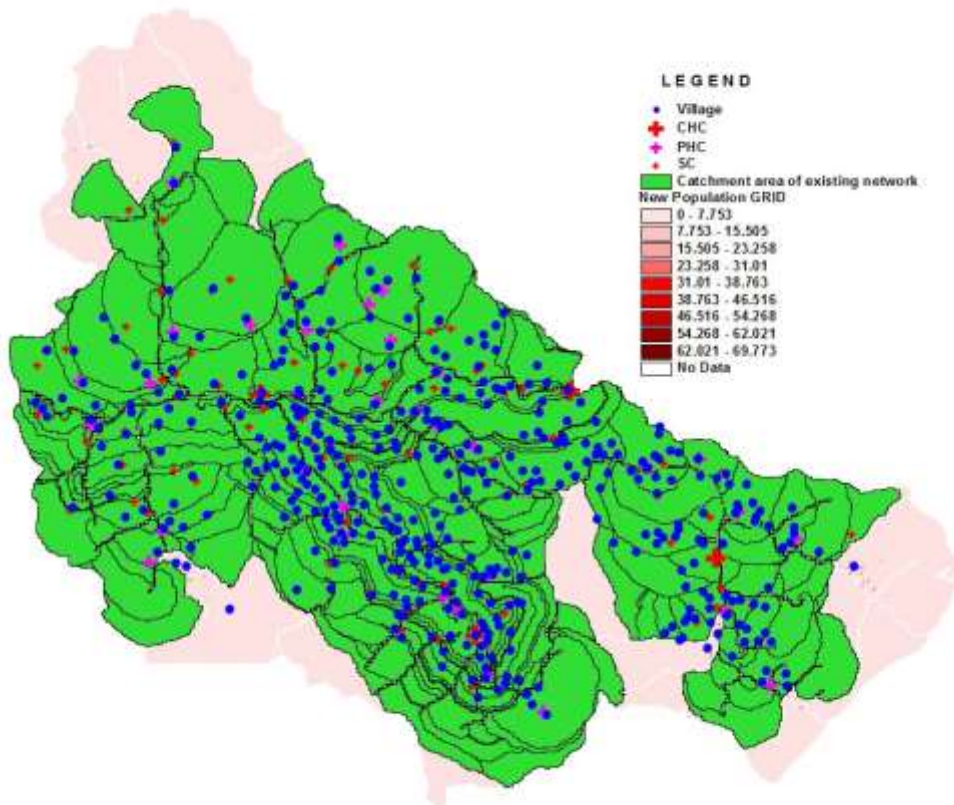


Fig.83: Catchment area of existing network in Doda district

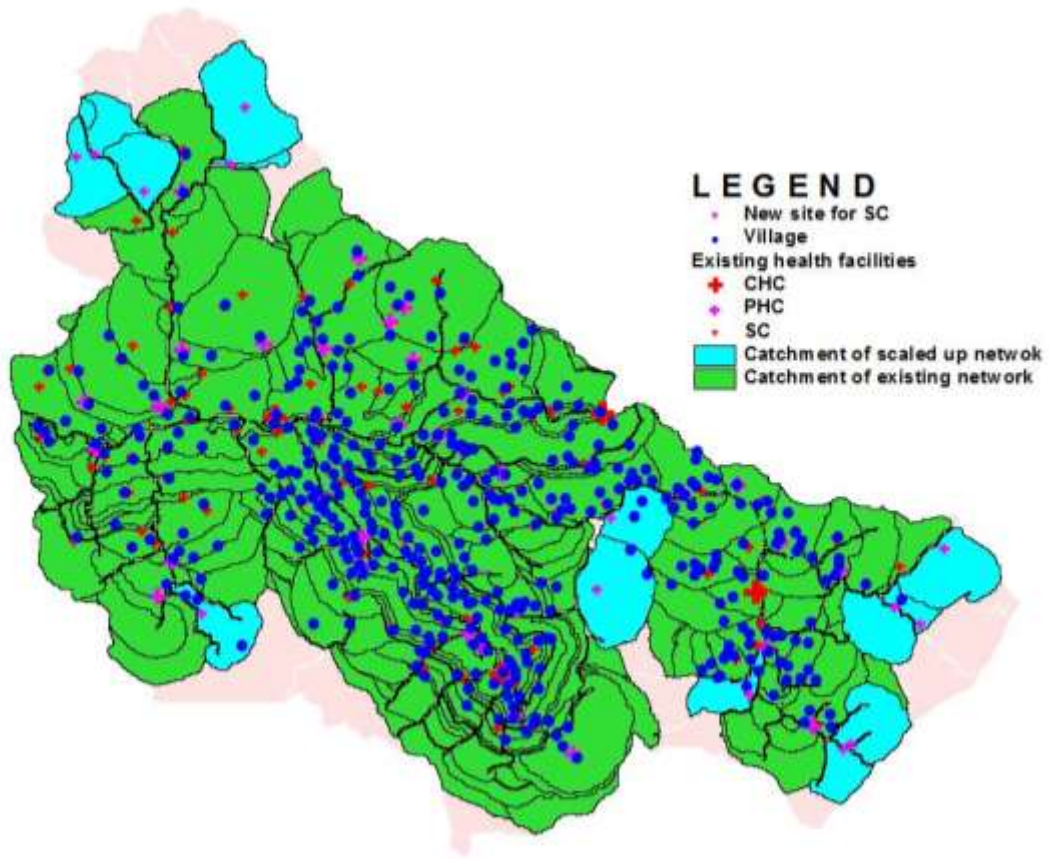


Fig.84: Catchment area of scaled up network in Doda district



Fig.85: PHC at Chinta, Doda district

5.13 Jammu District

The district lies to the West of Samba district and to the South East of LOC. It shares borders with Reasi and Udhampur district in the North. The district lies between the geographical coordinates of 74°-20' to 75°-10' E longitude and 32°-30' to 33°-10' N latitude. As per census of 2001, the district has a population of 1357077 while as per the projected population for 2011 it is 1763966. The district has 311 health facilities including the tertiary health institutions.

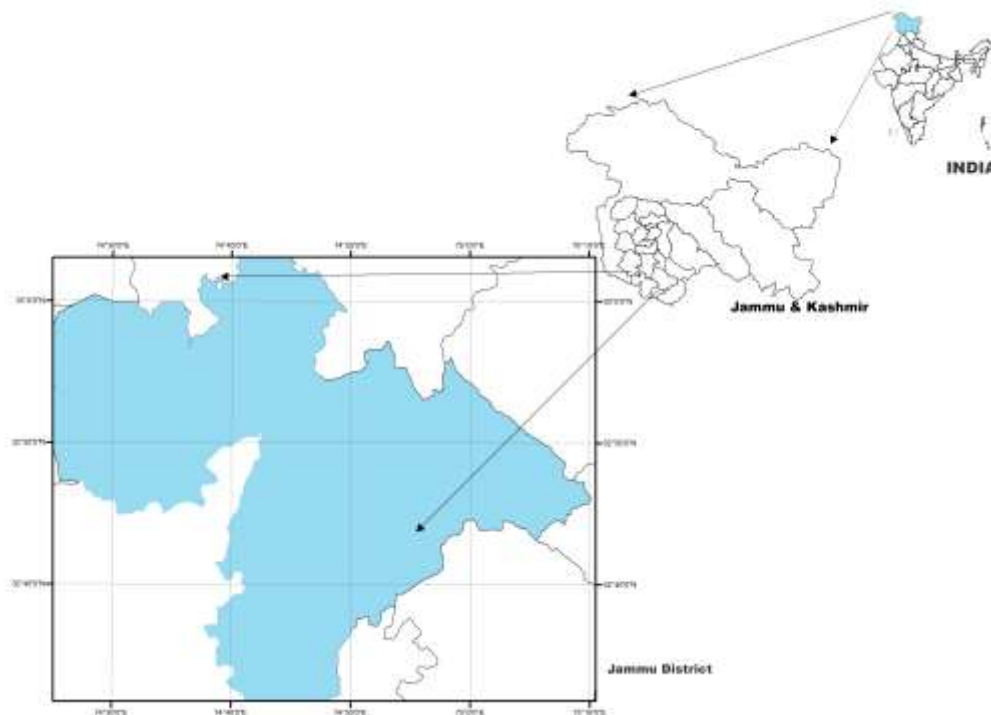


Fig.86: Location of Jammu District

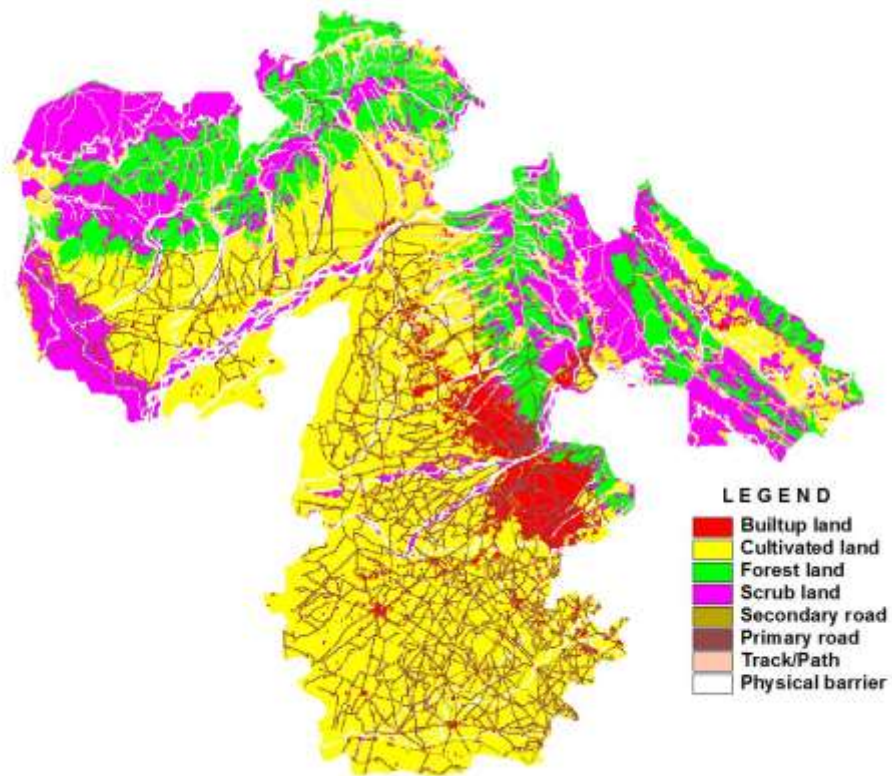


Fig.87: Landuse/Land cover grid of Jammu district

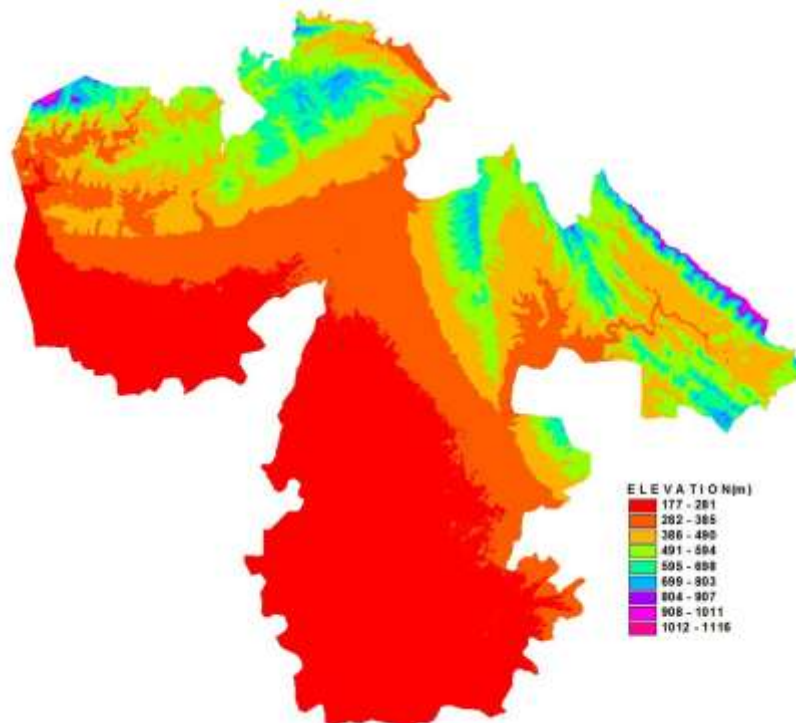


Fig.88: Digital Elevation Model of Jammu district

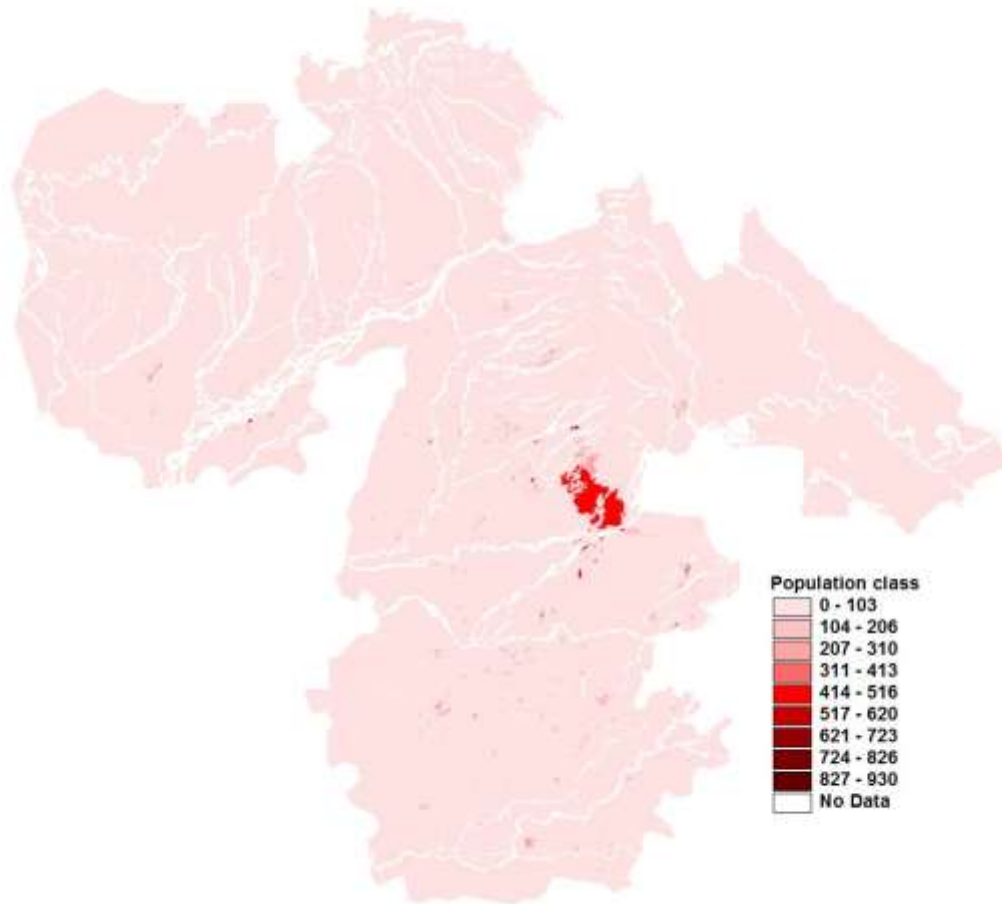


Fig.89: Spatial census population grid of Jammu district

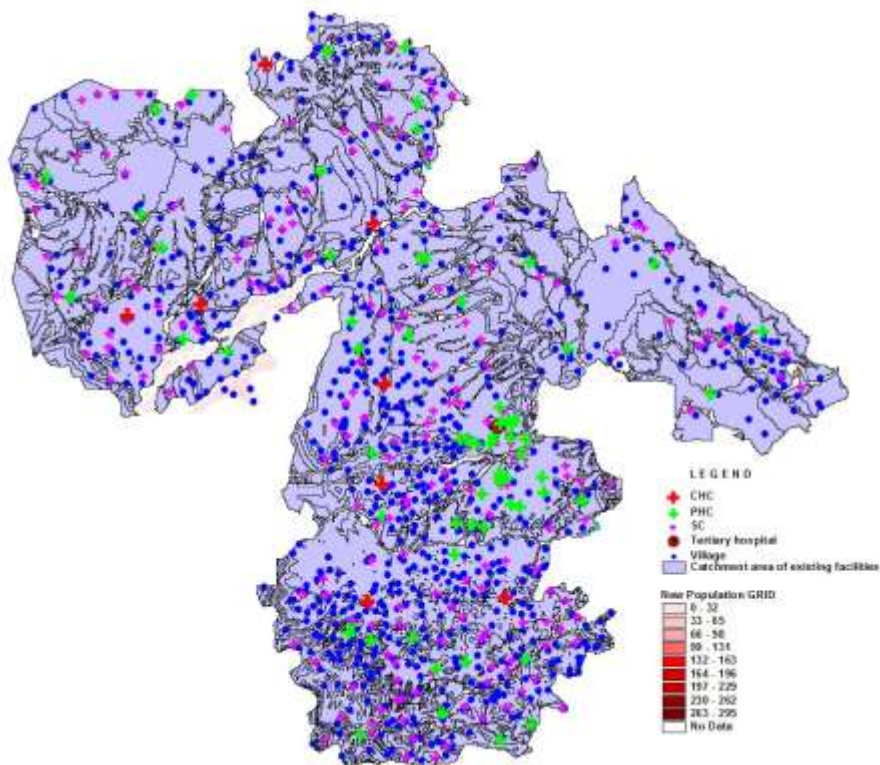


Fig.90: Catchment area of existing health facility network in Jammu district

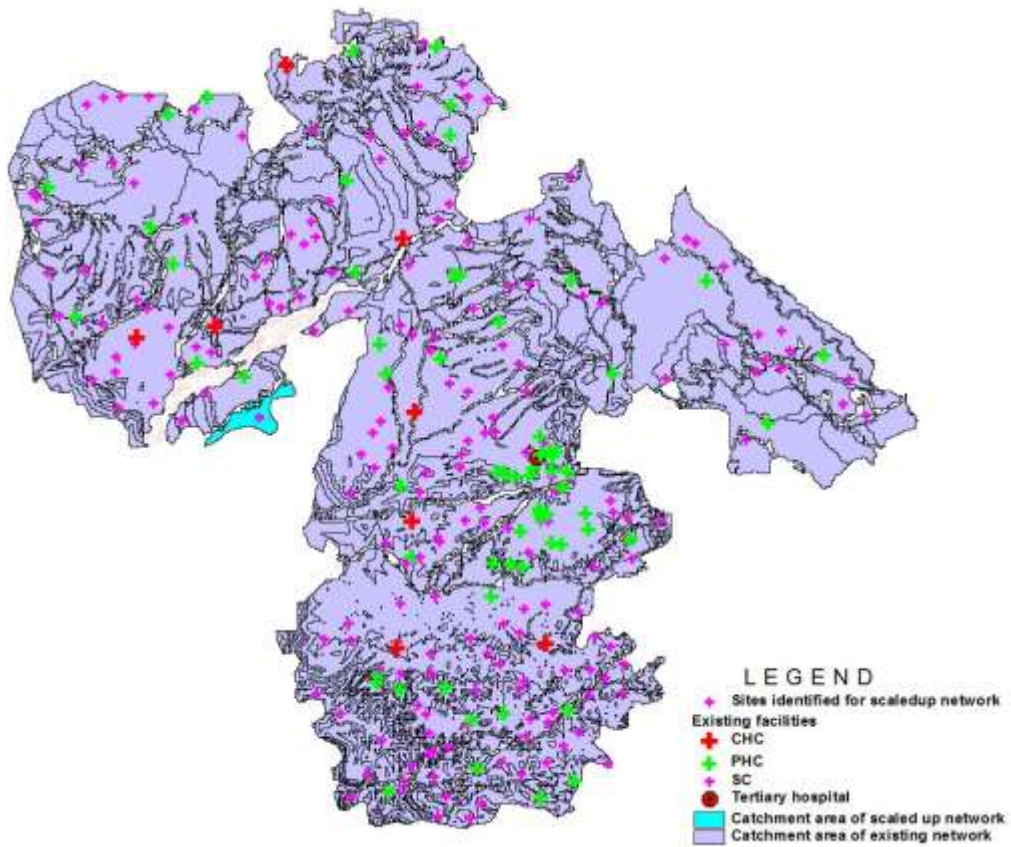


Fig.91: Catchment area of existing and scaled up health facility network in Jammu district



Fig.92: Ground Truth Verification exercise and feature identification on the image

5.14 Kathua District

The district lies to the South of Udhampur and Doda district and East of Samba District. The district lies between the geographical coordinates of $75^{\circ}-05'$ to $75^{\circ}-55'$ E longitude and $32^{\circ}-15'$ and $32^{\circ}-55'$ N latitude. As per census of 2001, the district has a population of 511455 while as as per the projected population for 2011 it is 664803. As per the information available on the web site of the Health Services Department, there are 198 health facilities in the district.

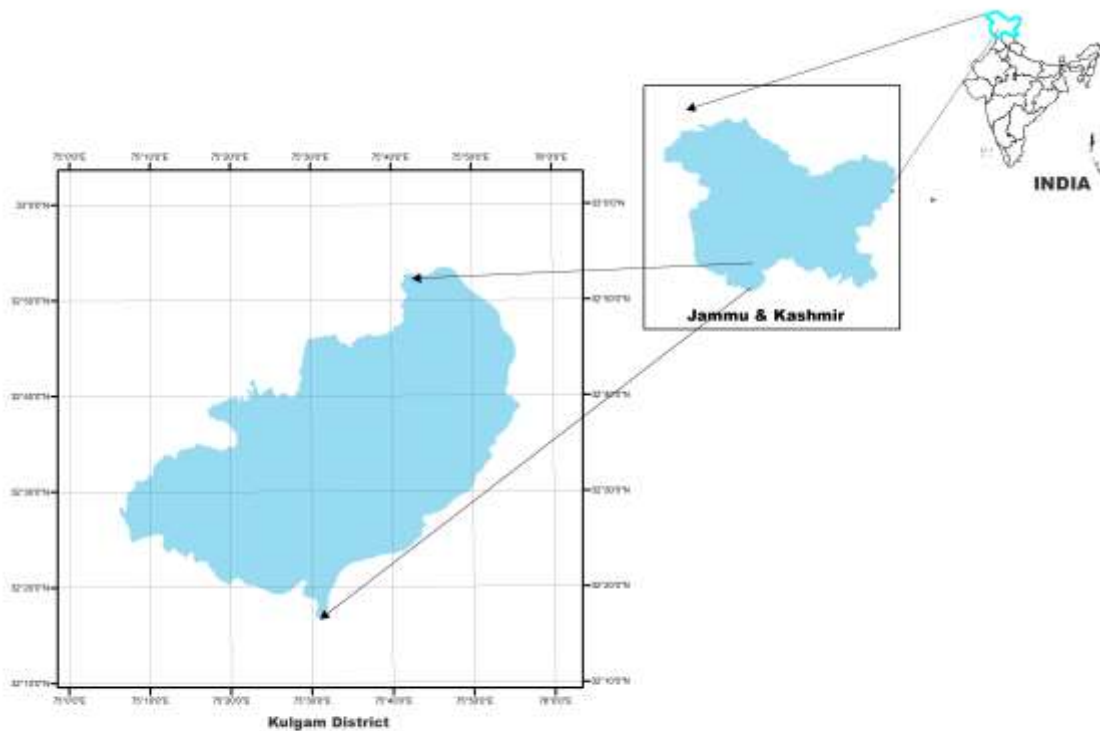


Fig.93: Location of Kathua District

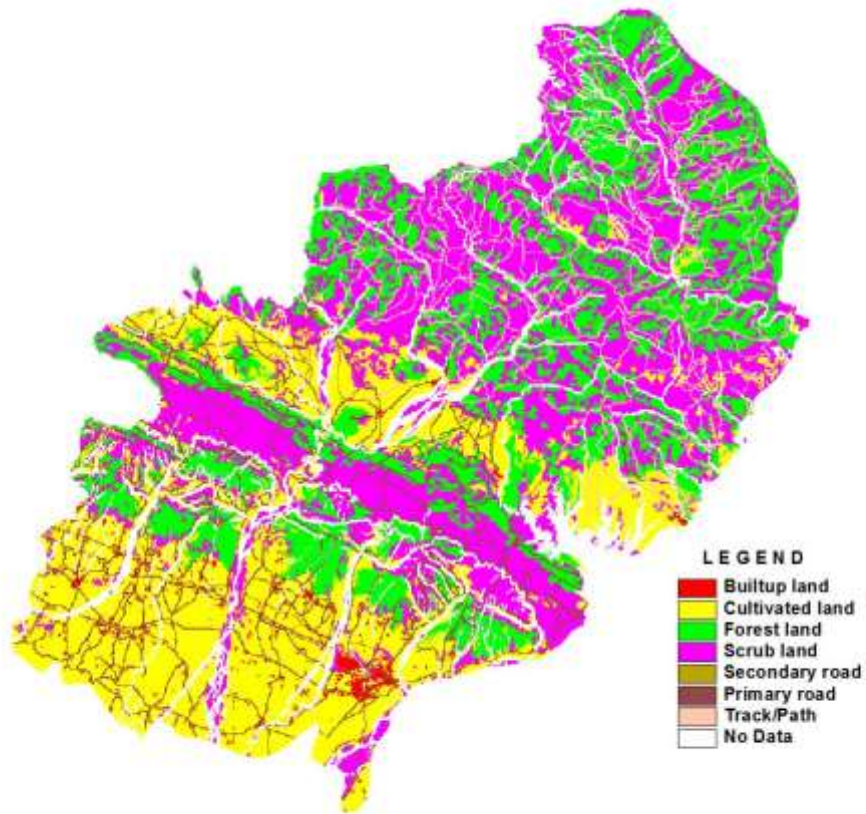


Fig.94: Land use/Land cover grid of Kathua district

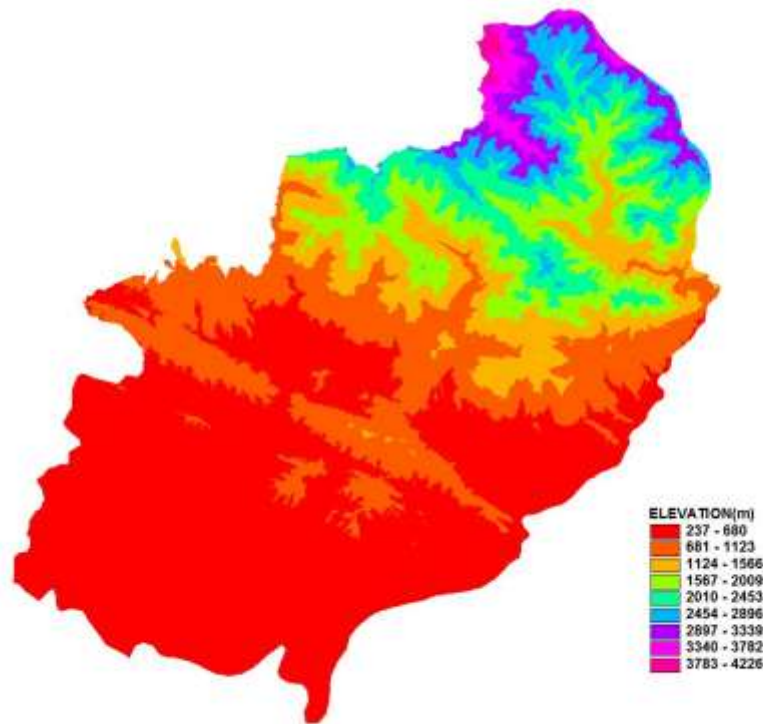


Fig.95: Digital Elevation Model of Kathua district

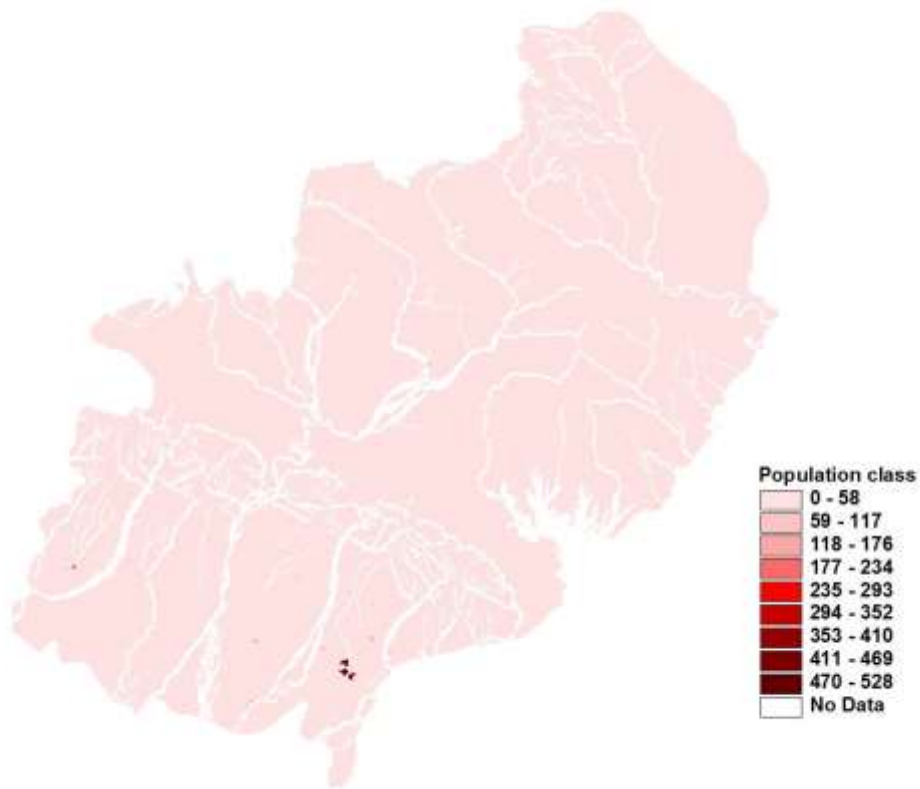


Fig.96: Spatial Census population grid of Kathua district

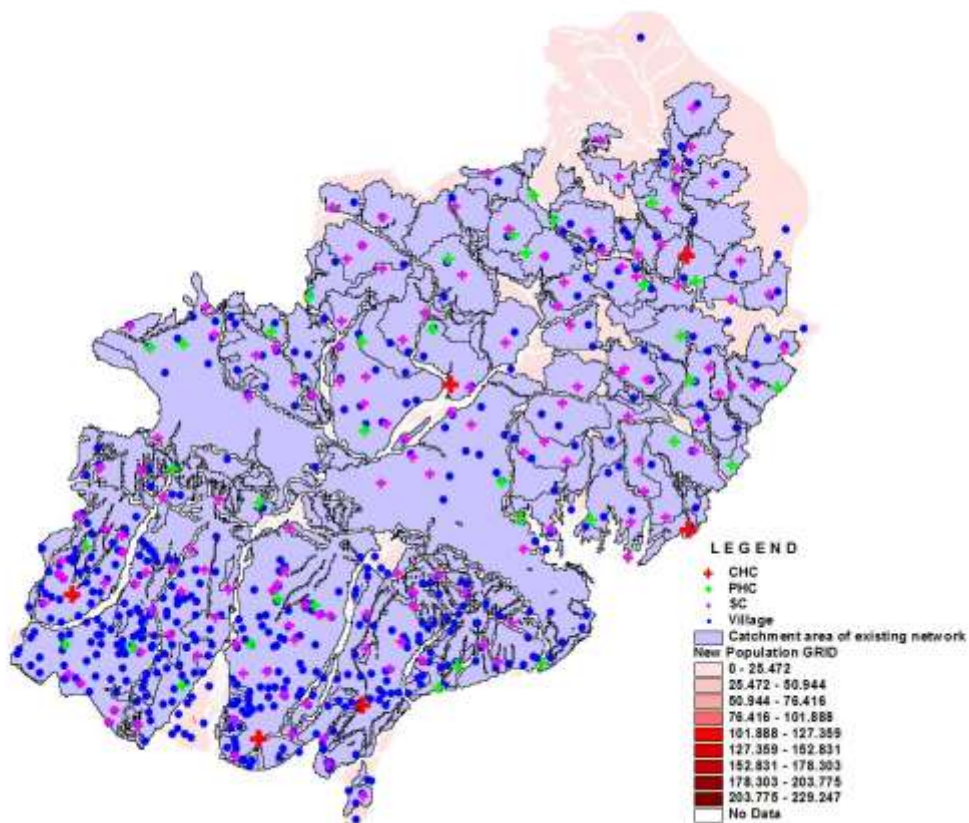


Fig.97: Catchment area of existing health facility network in Kathua district

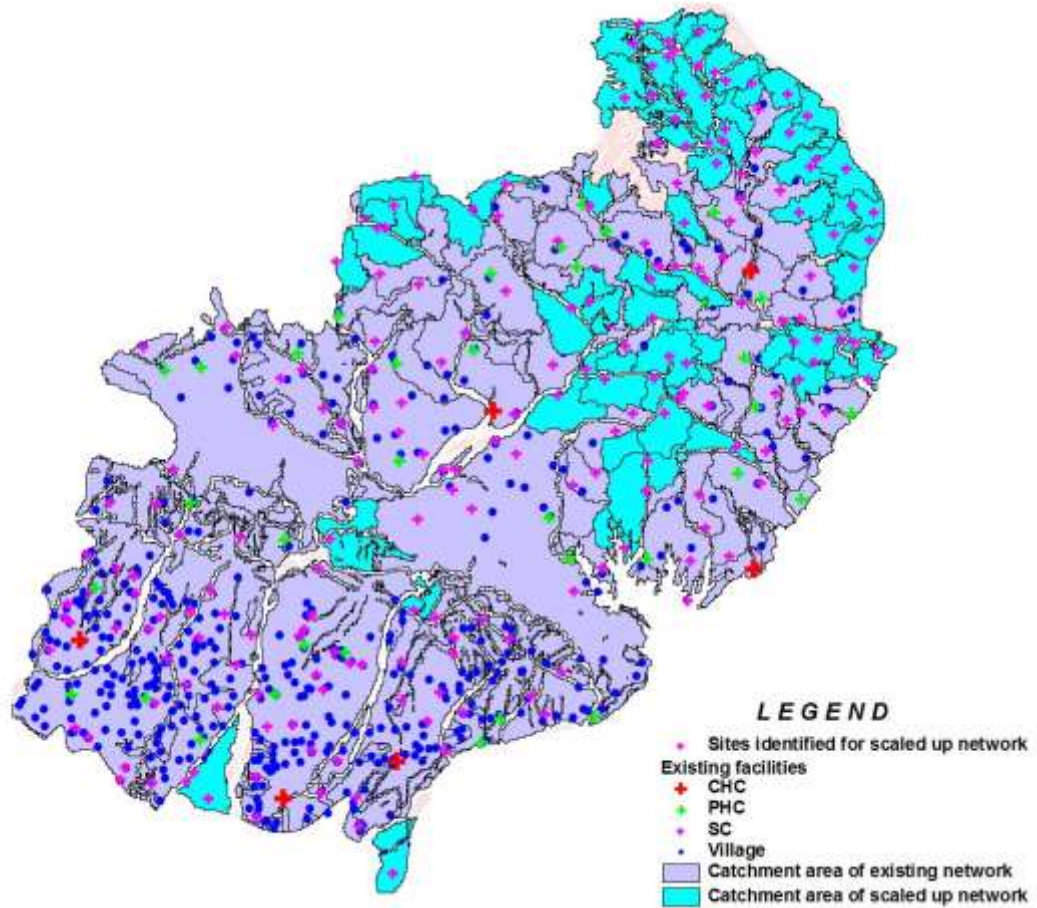


Fig.98: Catchment area of existing and scaled up health facility network in Kathua district



Fig.99:Sub-District Hospital of Parole, Kathua District

5.15 Kishtwar District

The District Kishtwar was carved out of the erstwhile district Doda. The district lies to the North of Doda district and South and South West of Kargil district. It also shares borders with District Anantnag from the west and shares borders with Himachal Pradesh. The district lies between the geographical coordinates of $75^{\circ}-20'$ to $76^{\circ}-50'$ E longitude and $33^{\circ}-00'$ to $34^{\circ}-15'$ N latitude. As per census of 2001, the district has a population of 190843 while as as per the projected population for 2011, it is 248063. The district has 78 health facilities. The district is a mostly hilly district with very rough terrain and the population is scattered across the difficult terrain. The Kishtwar valley presents a picturesque landscape identical to the vally of Kashmir to which it is connected from the north.

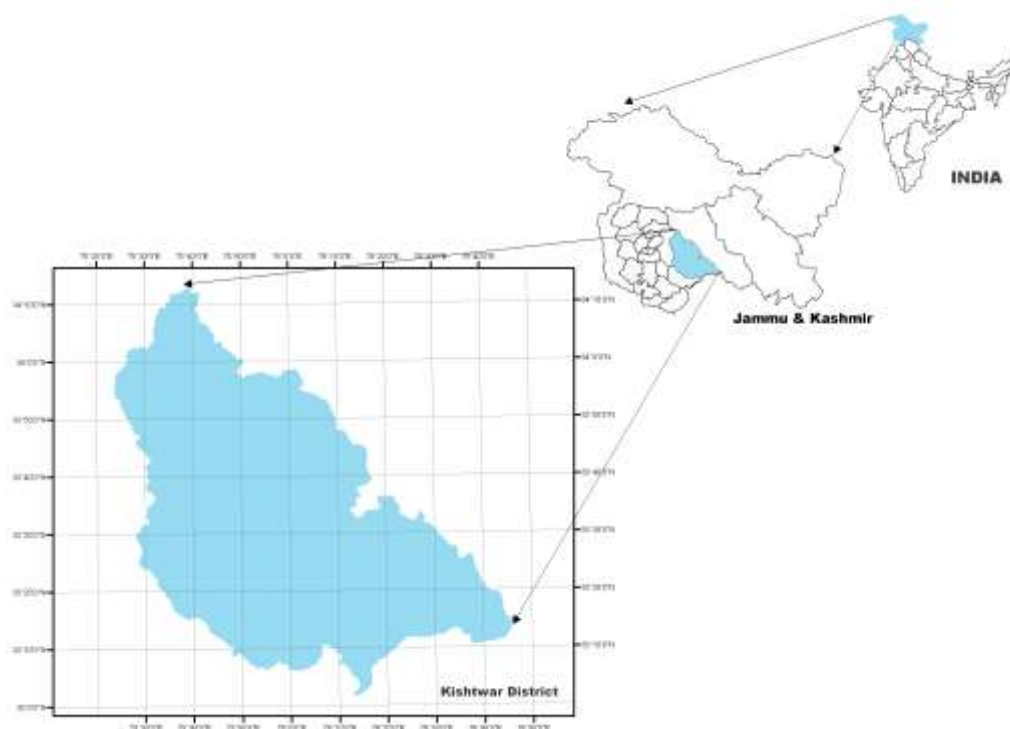


Fig.100: Location of Kishtwar District

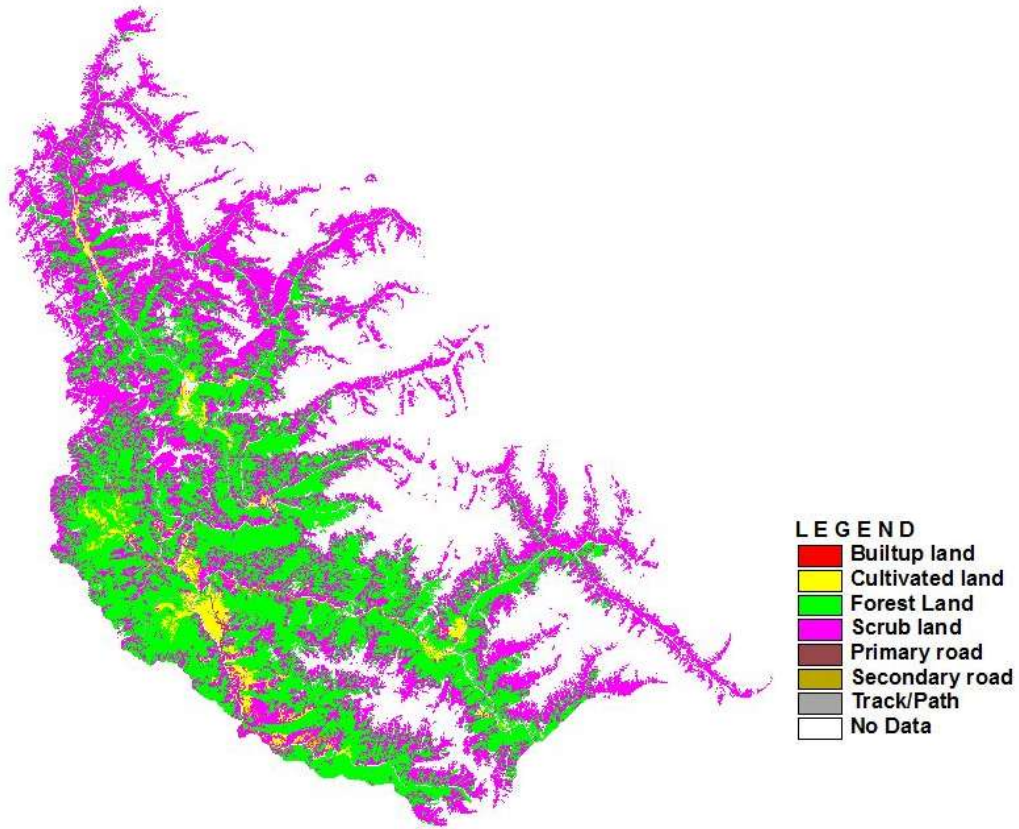


Fig.101: Landuse / Land cover grid of Kishtwar district

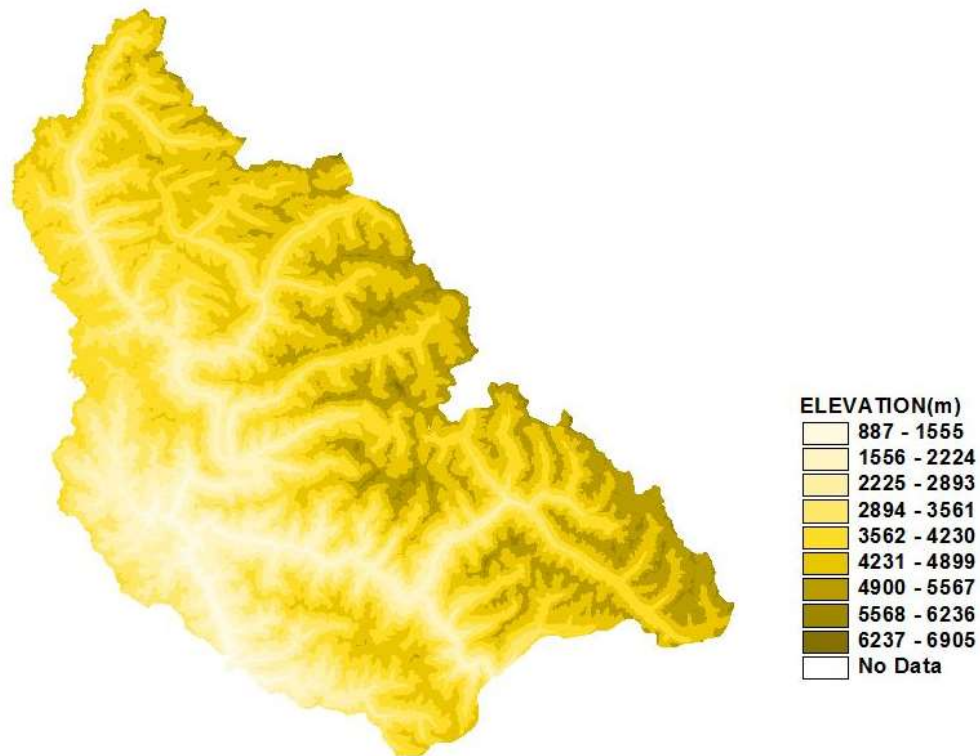


Fig.102: Digital elevation model of Kishtwar district

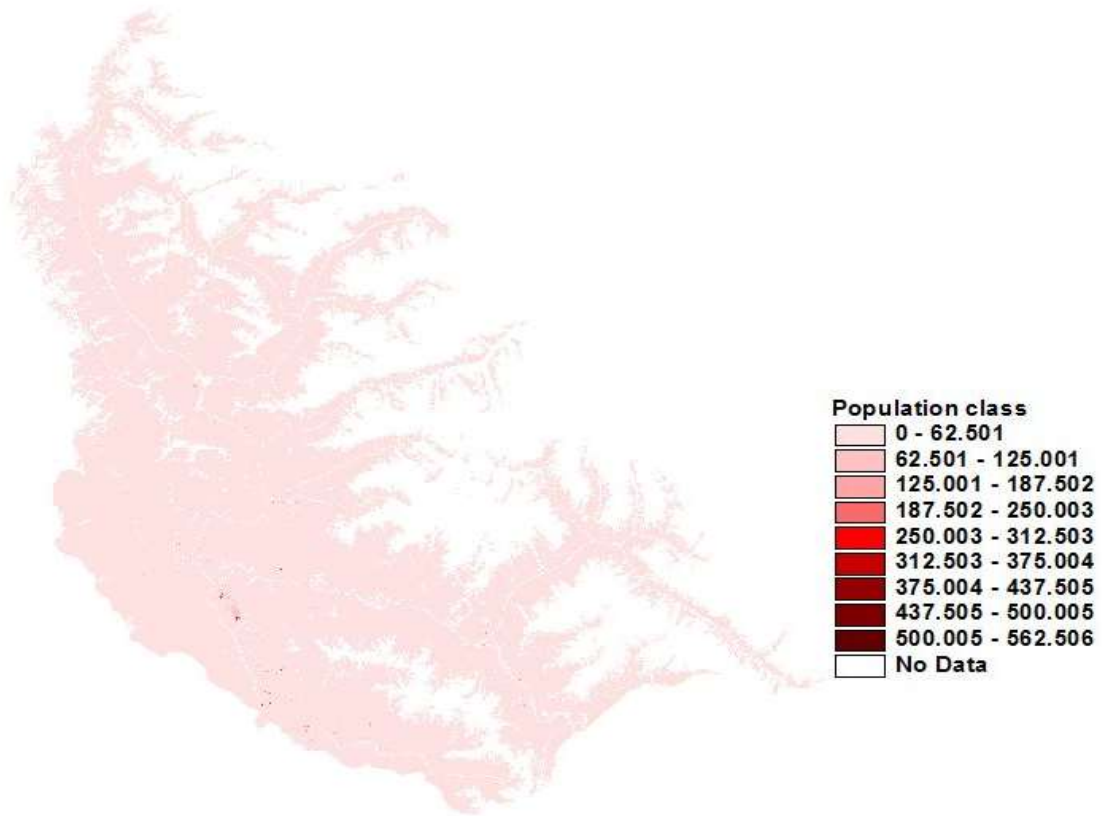


Fig.103: Spatial census population grid of Kishtwar district

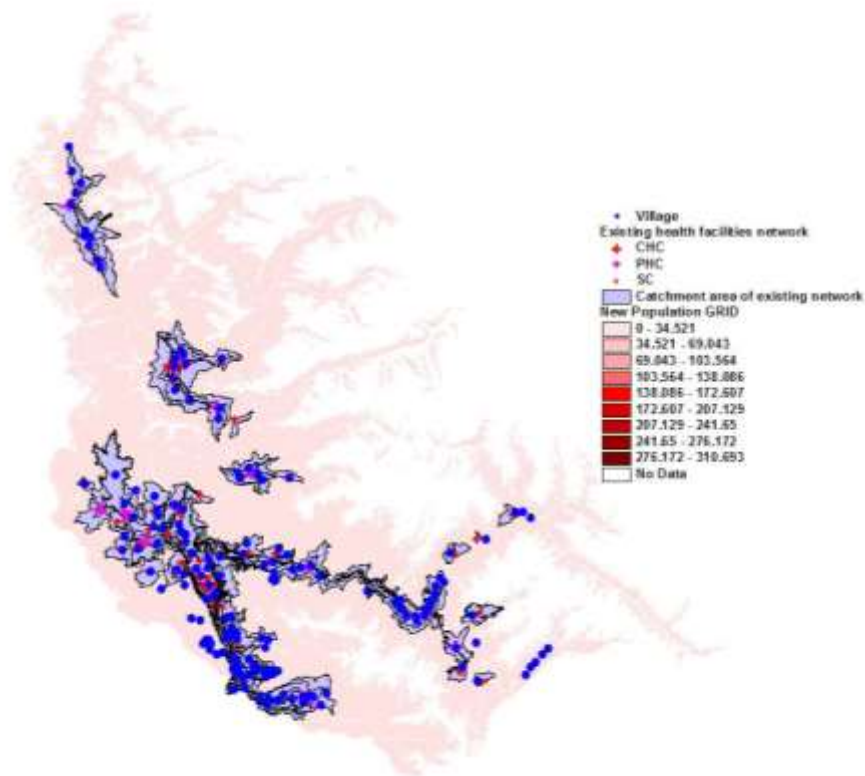


Fig.104: Catchment area of existing healthfacility network in Kishtwar district

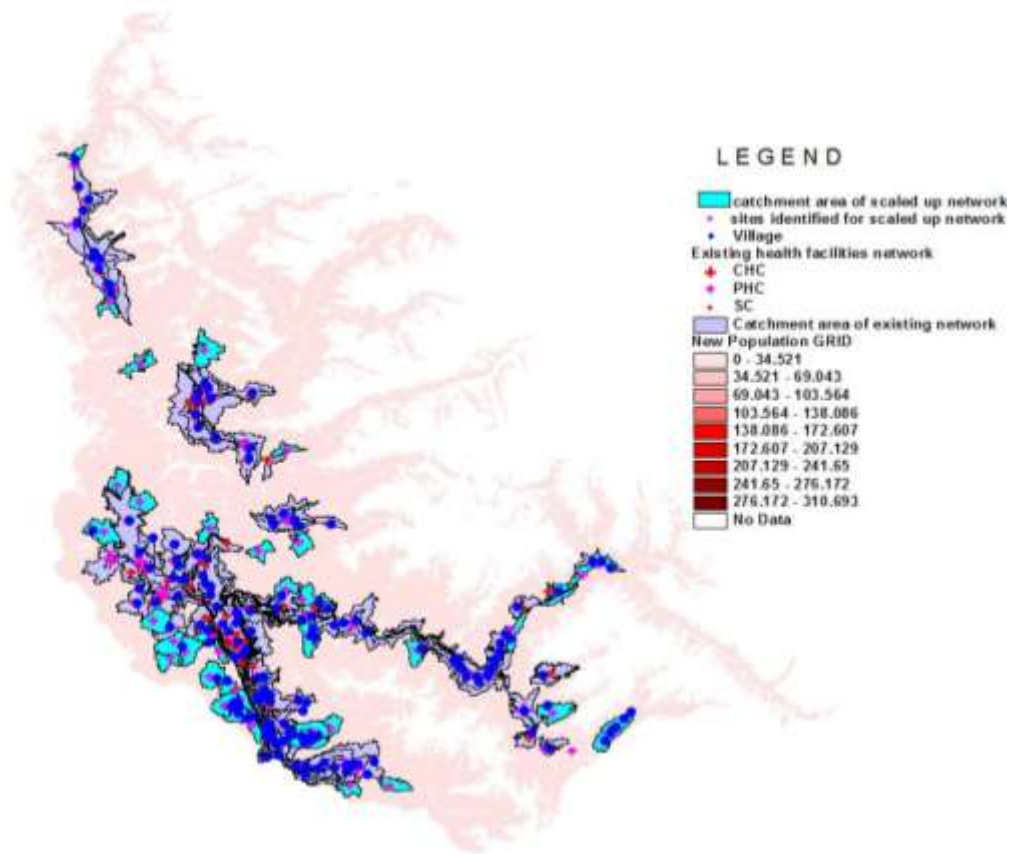


Fig.105: Catchment area of scaledup network in Kishtwar district



Fig.106: PHC at Atholi, Kishtwar district

5.16 Poonch District

The district lies to the North of Rajouri district, South of Baramulla district, and West of Badgam, Shopian and Kulgam districts. The district lies between the geographical coordinates of $73^{\circ}-50'$ to $74^{\circ}-40'$ E longitude and $33^{\circ}-20'$ and $34^{\circ}-00'$ N latitude. As per census of 2001, the district has a population of 372613 while as per the projected population for 2011 it is 484333. As per the information available on the web site of the Health Services Department, there are 143 health facilities in the district.

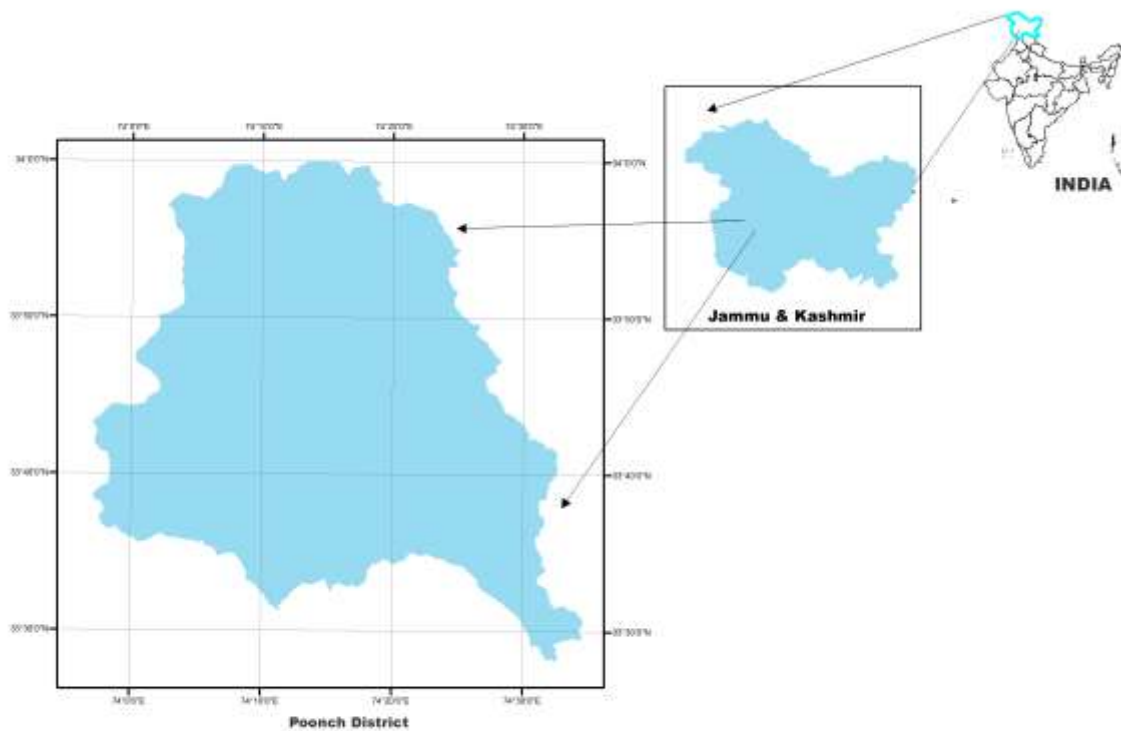


Fig.107: Location of Poonch District

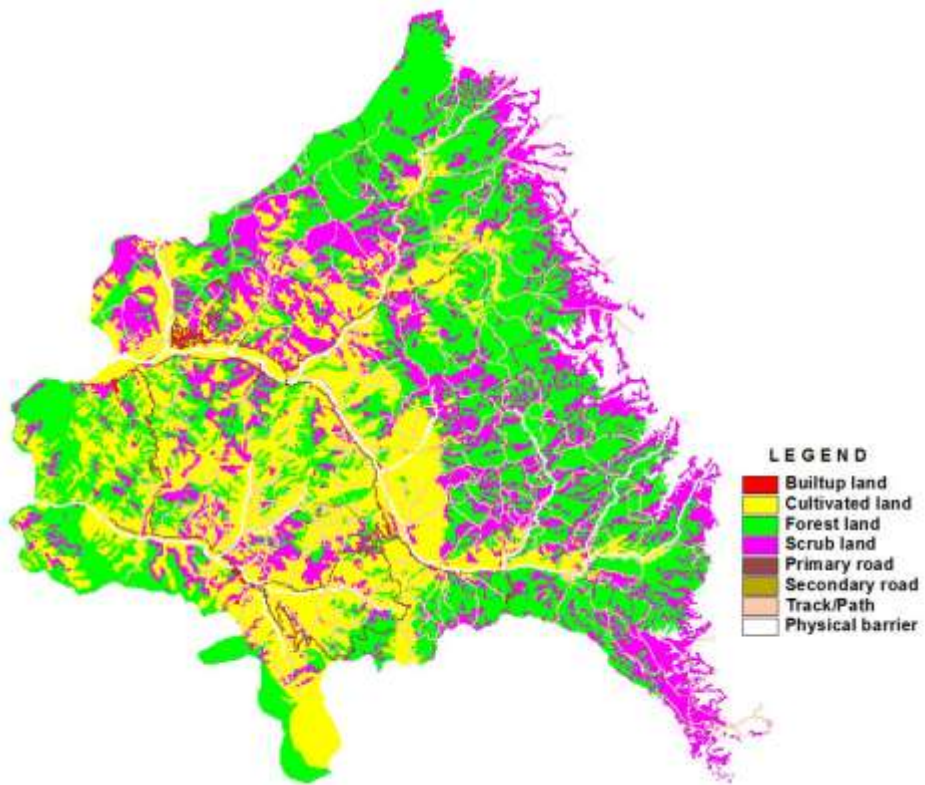


Fig.108: Land use/Land cover grid of Poonch district

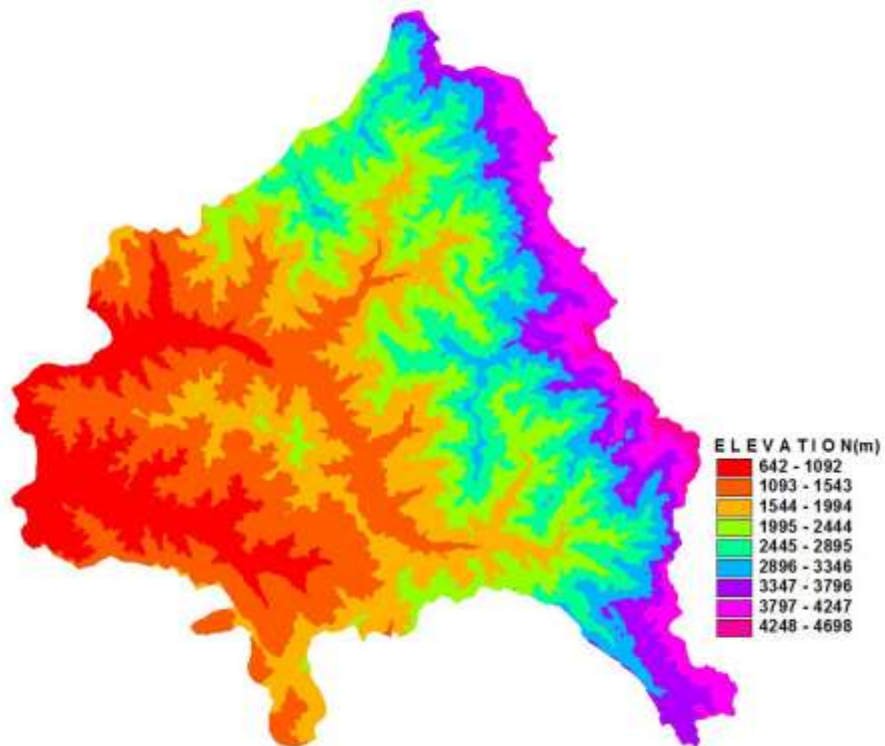
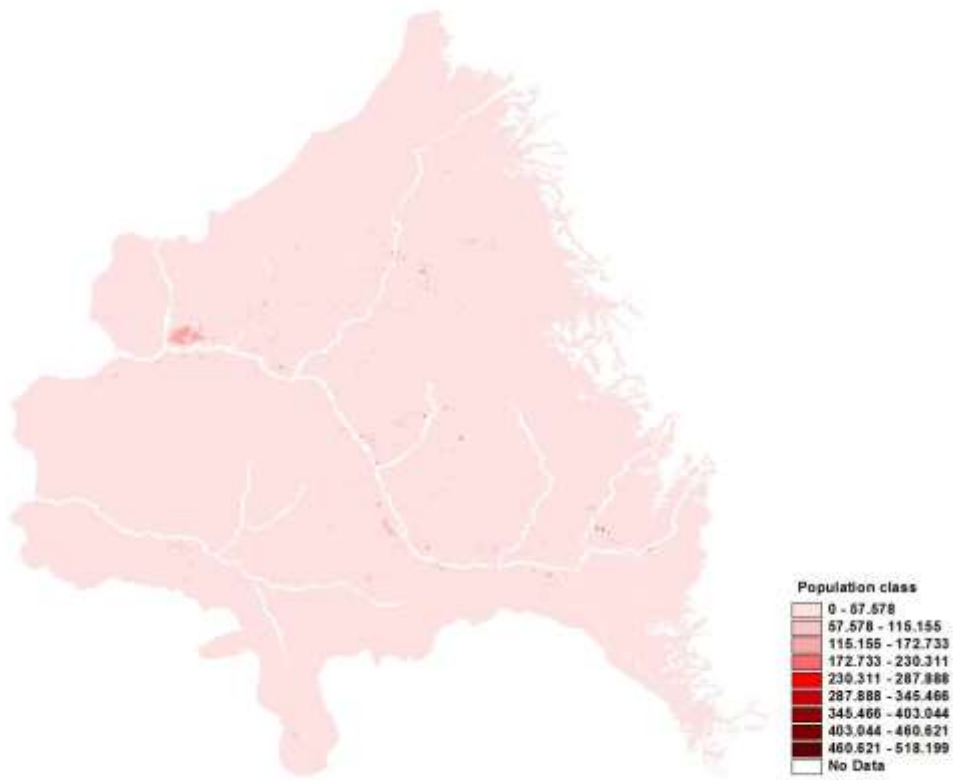


Fig. 109: Digital Elevation Model of Poonch district



110: Spatial Census population grid of Poonch district

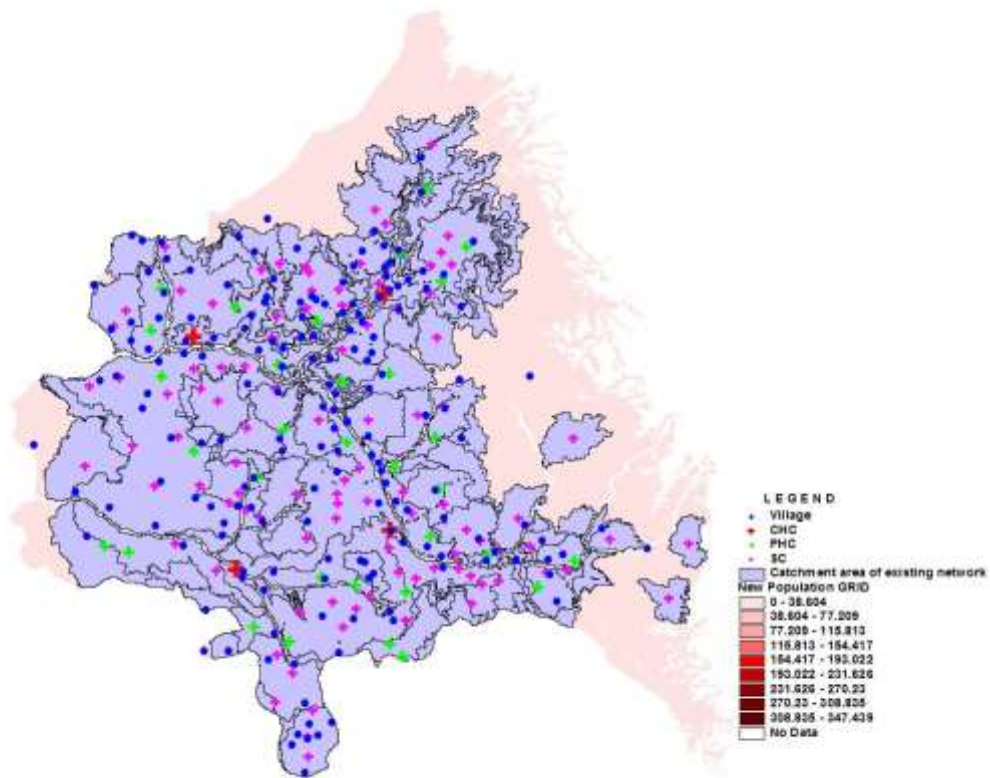


Fig.111: Catchment area of existing health facility network in Poonch district

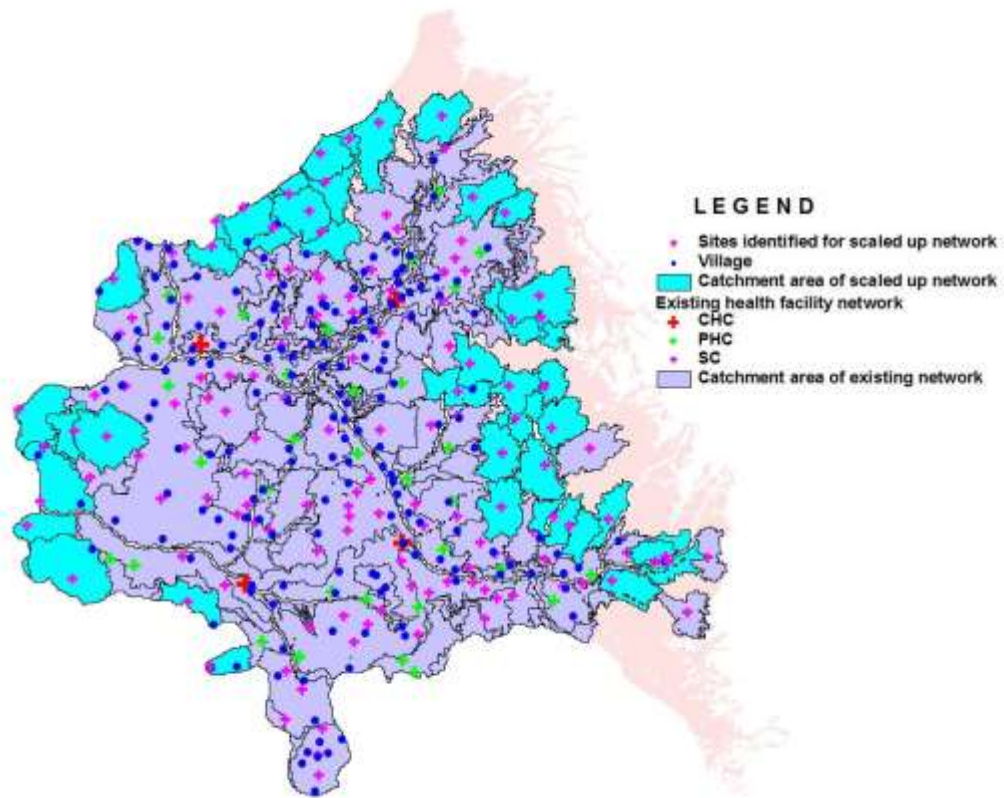


Fig.112: Catchment area of existing and scaled up health facility network in Poonch district



Fig. 113:Casualty block of Sub District Hospital, Surankote, Poonch District

5.17 Rajouri District

The district lies to the South of Poonch district, North of Jammu district and West of Reasi District. The district lies between the geographical coordinates of $74^{\circ}-00'$ to $74^{\circ}-45'$ E longitude and $32^{\circ}-55'$ and $33^{\circ}-40'$ N latitude. As per census of 2001, the district has a population of 483284 while as as per the projected population for 2011 it is 628186. As per the information available on the web site of the Health Services Department, there are 272 health facilities in the district.

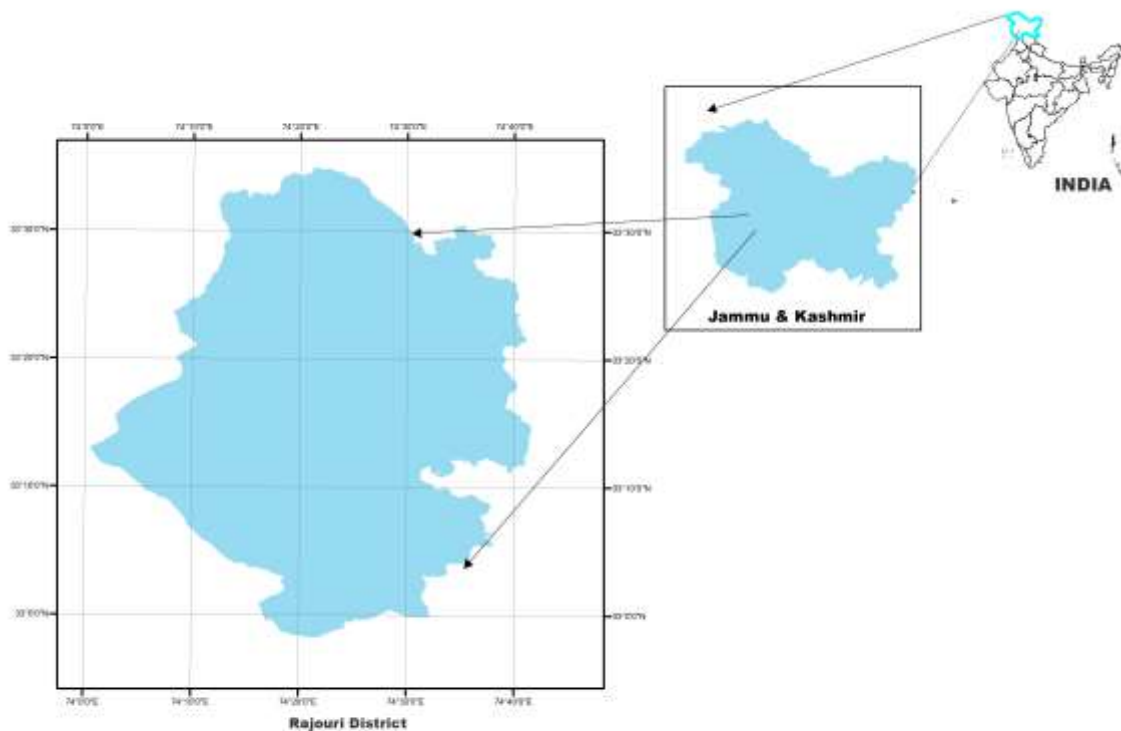


Fig.114: Location of Rajouri District

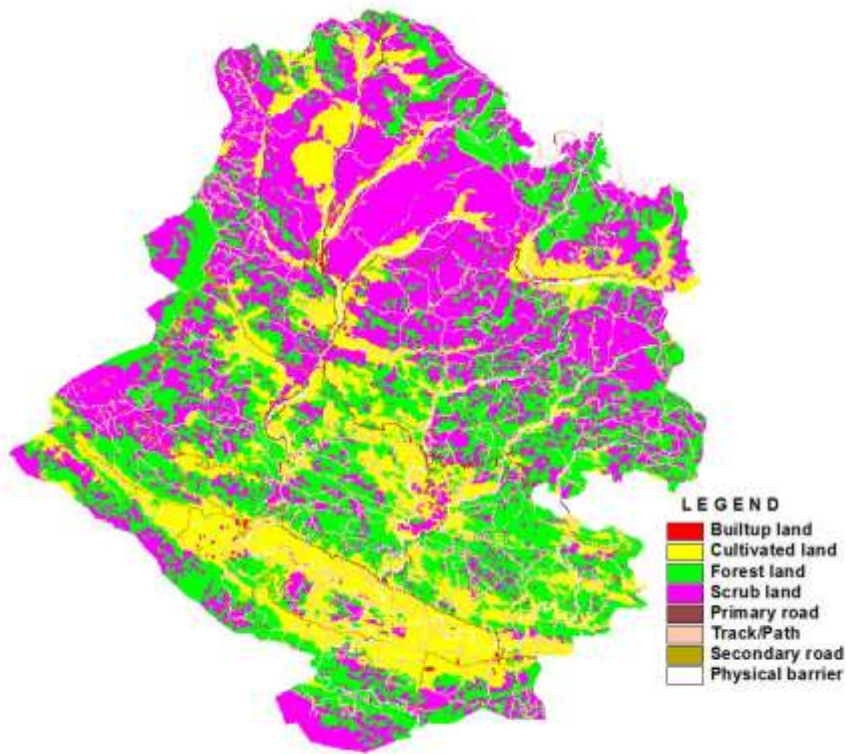


Fig.115: Land use/Land cover grid of Rajouri district

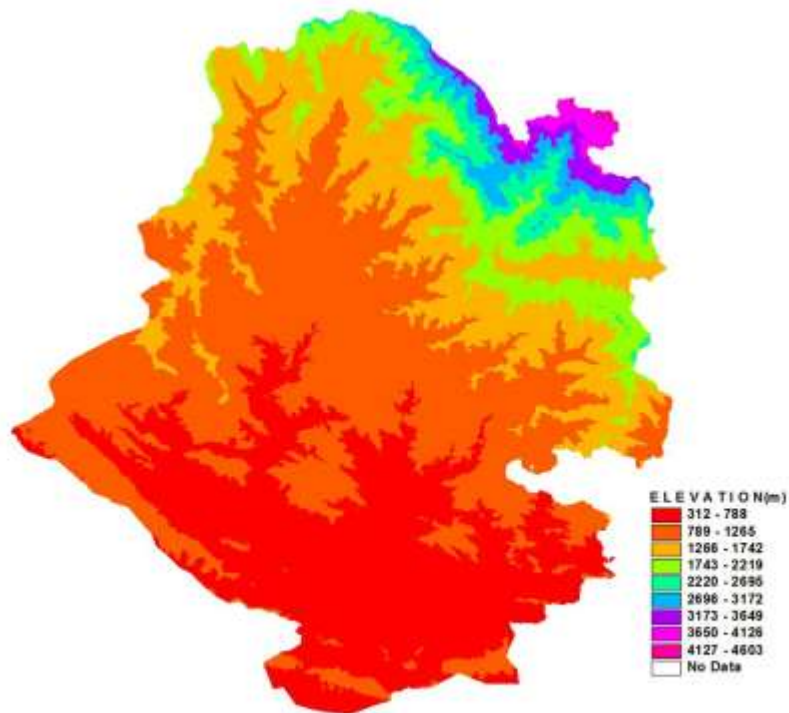
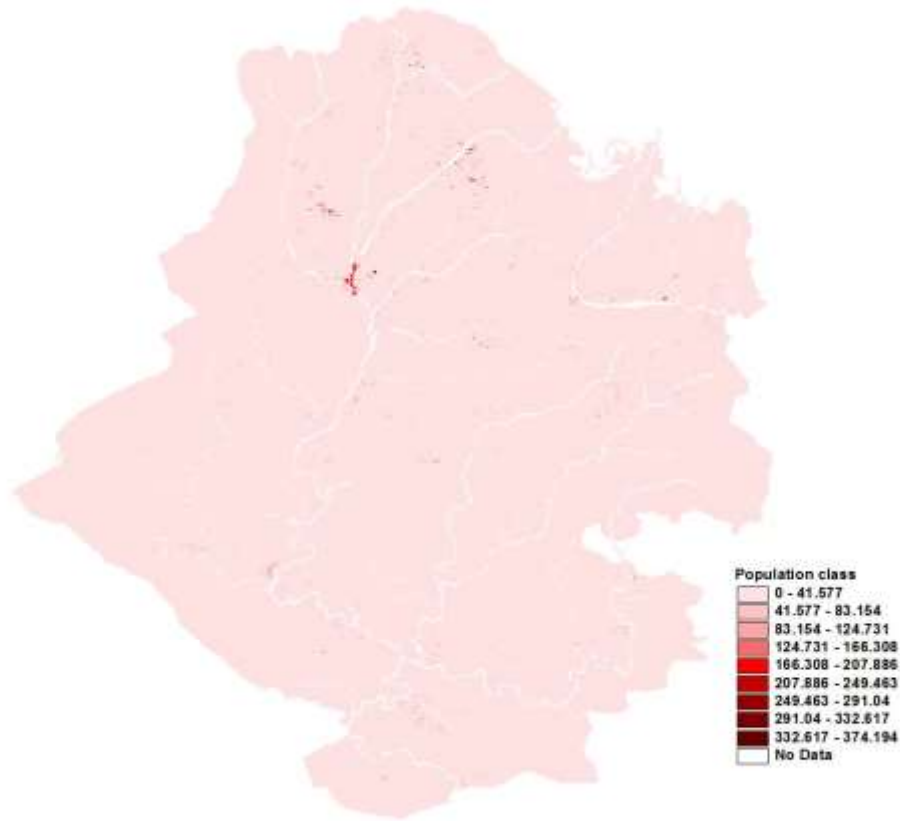


Fig. 116: Digital Elevation Model of Rajouri district



117: Spatial Census population grid of Rajouri district

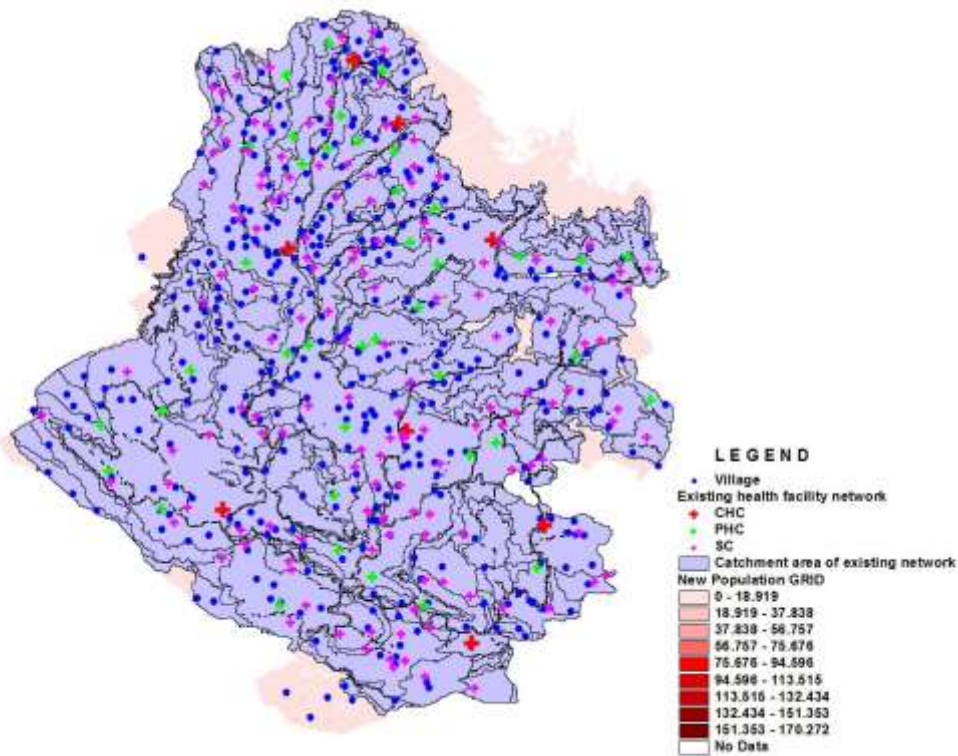


Fig.118: Catchment area of existing health facility network in Rajouri district

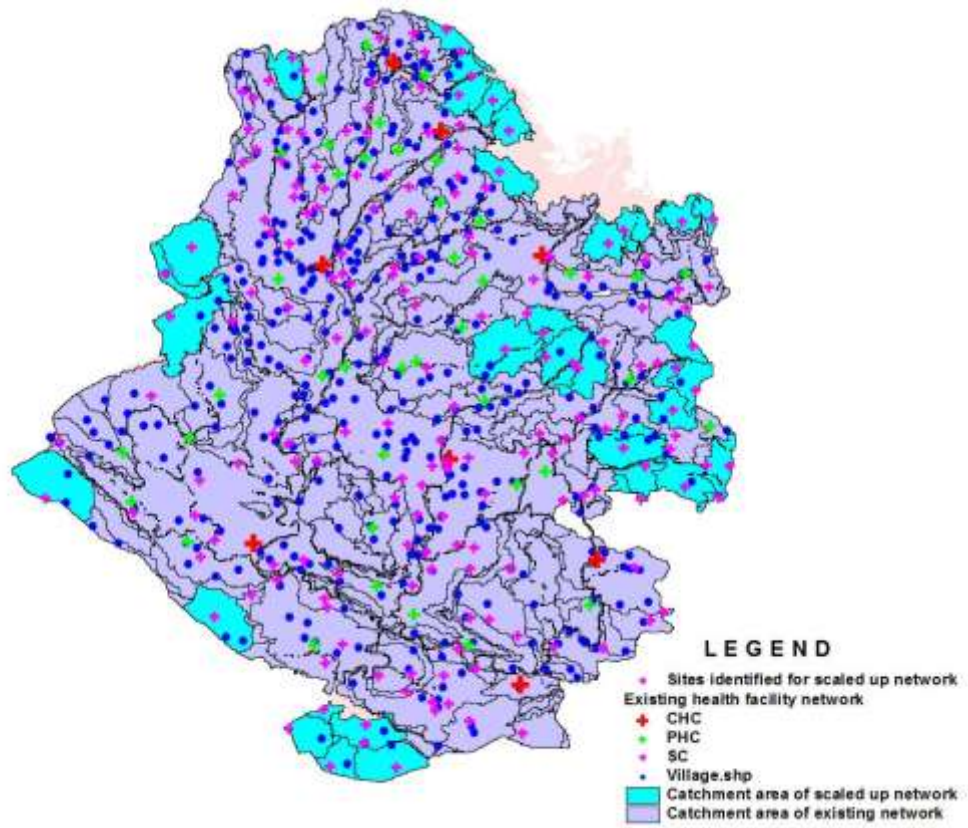


Fig.119: Catchment area of existing and scaled up health facility network in Rajouri district



Fig.120: The survey party during discussion with the field staff

5.18 Ramban District

The District Ramban was carved out of the erstwhile district Doda. The district lies to the West of Doda district, South of Anantnag districts and South West of Kishtwar. The district lies between the geographical coordinates of $75^{\circ}-00'$ to $75^{\circ}-25'$ E longitude and $33^{\circ}-00'$ to $33^{\circ}-40'$ N latitude. As per census of 2001, the district has a population of 214944 while as per the projected population for 2011, it is 279390. The district has 79 health facilities. The district is a mostly hilly district with very rough terrain and the population is scattered across the difficult terrain.

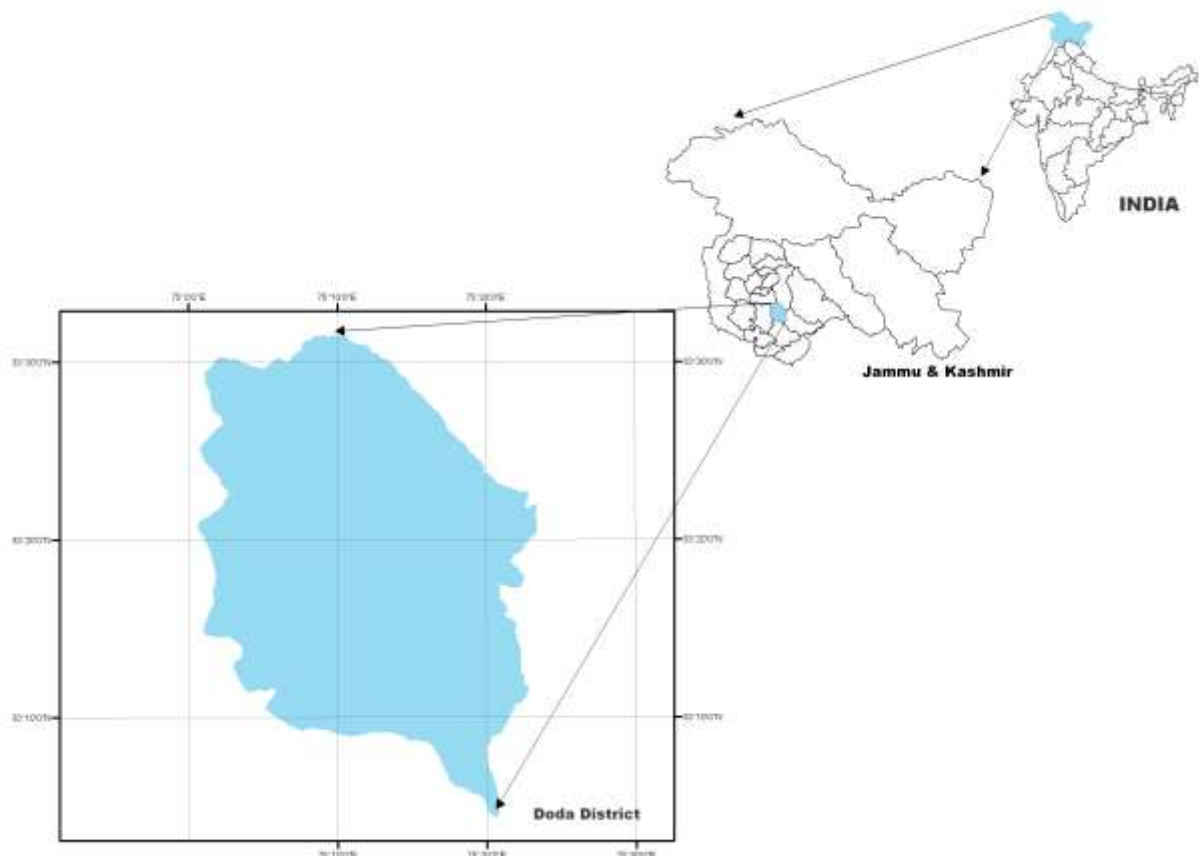


Fig.121: Location of Ramban District

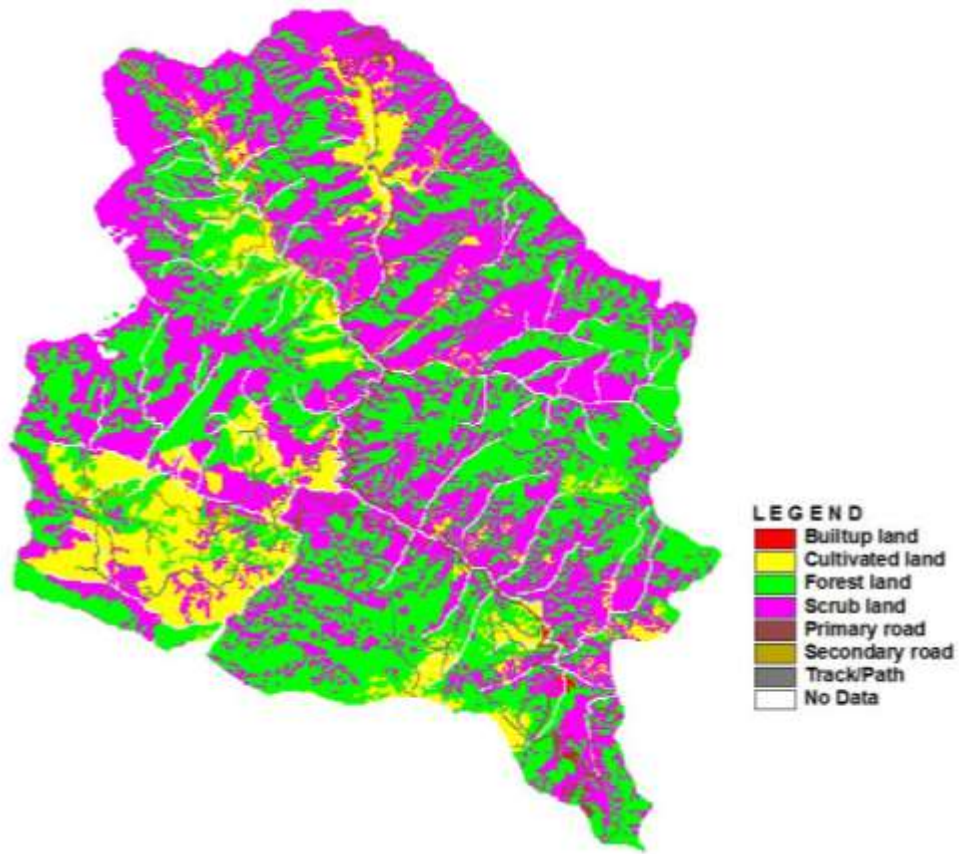


Fig.122: Land use/Land cover grid of Ramban district

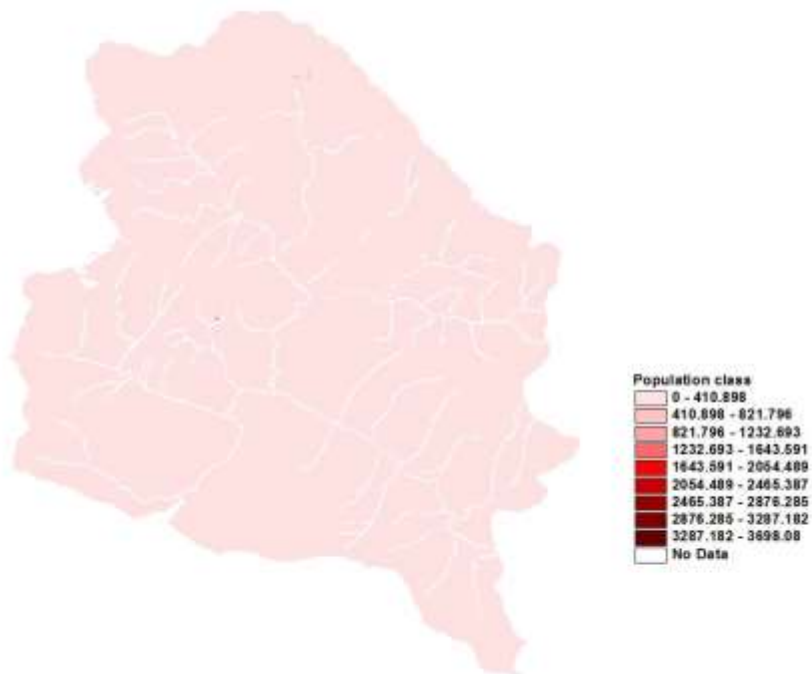


Fig.123: Spatial census population grid of Ramban district

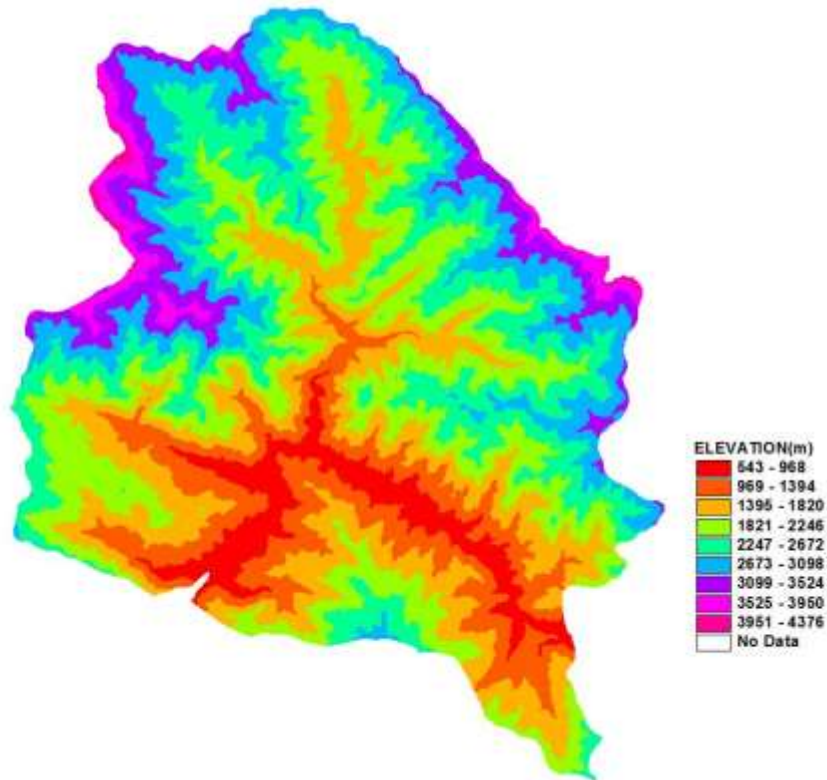


Fig.124: Digital Elevation Model of Ramban district

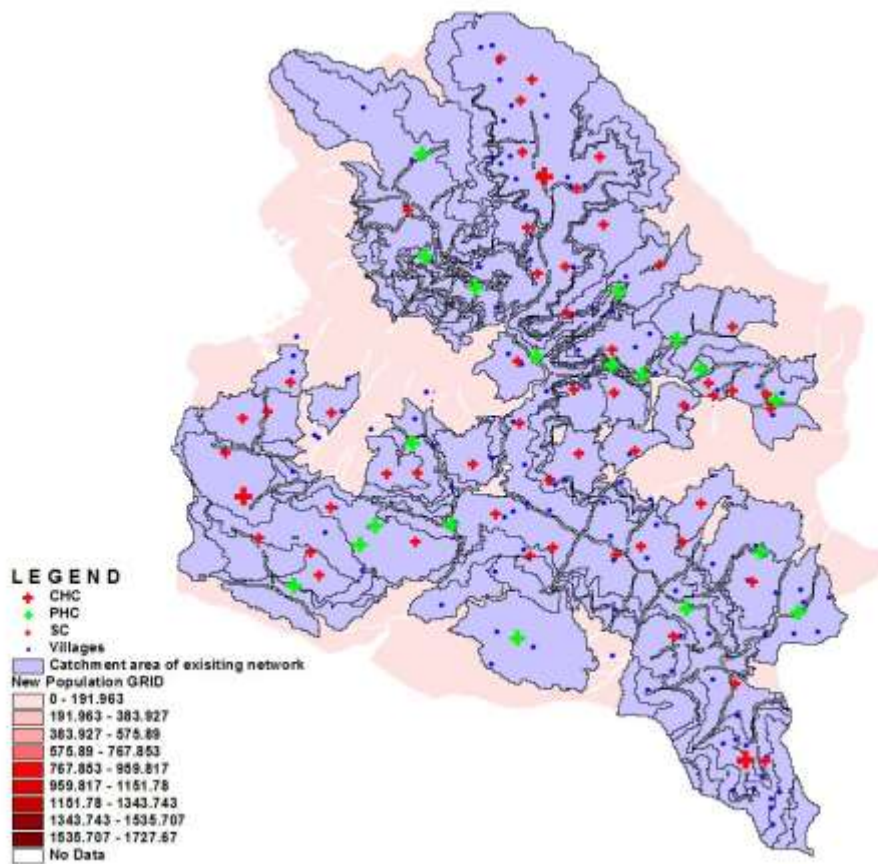


Fig.125: Catchment area of existing health facility network in Ramban district

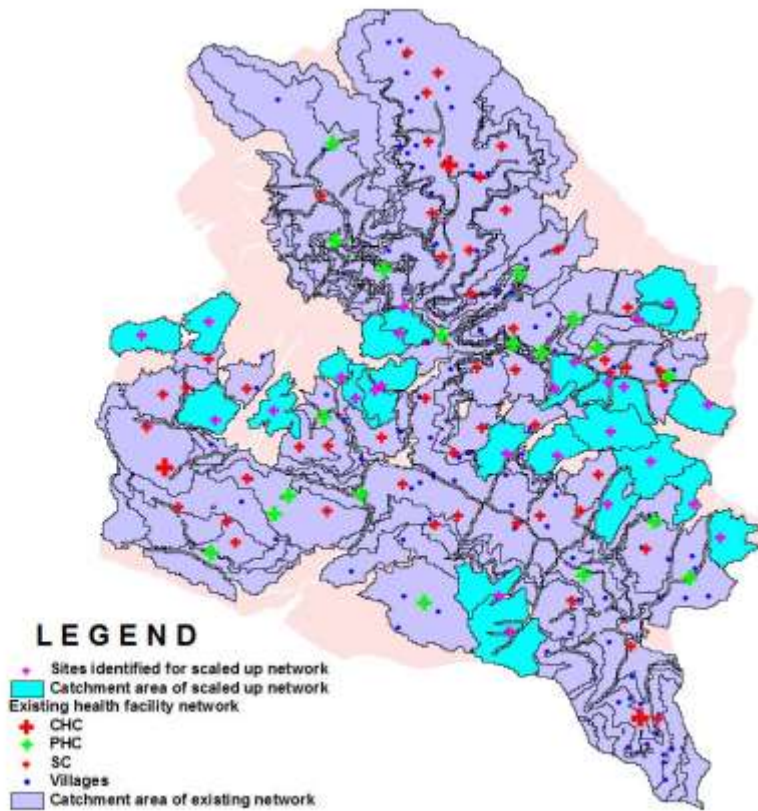


Fig.126: Catchment area of scaled up health facility network in Ramban district



Fig.127: Ayurvedic Dispensary at Paristan, Ramban district

5.19 Reasi District

The district lies to the North of Jammu district and to the East of Rajouri District. It shares borders with Udhampur district in the East. The district lies between the geographical coordinates of $74^{\circ}-30'$ to $75^{\circ}-15'$ E longitude and $32^{\circ}-50'$ to $33^{\circ}-40'$ N latitude. As per census of 2001, the district has a population of 247694 while as per the projected population for 2011 it is 321959. The district has 100 health facilities.

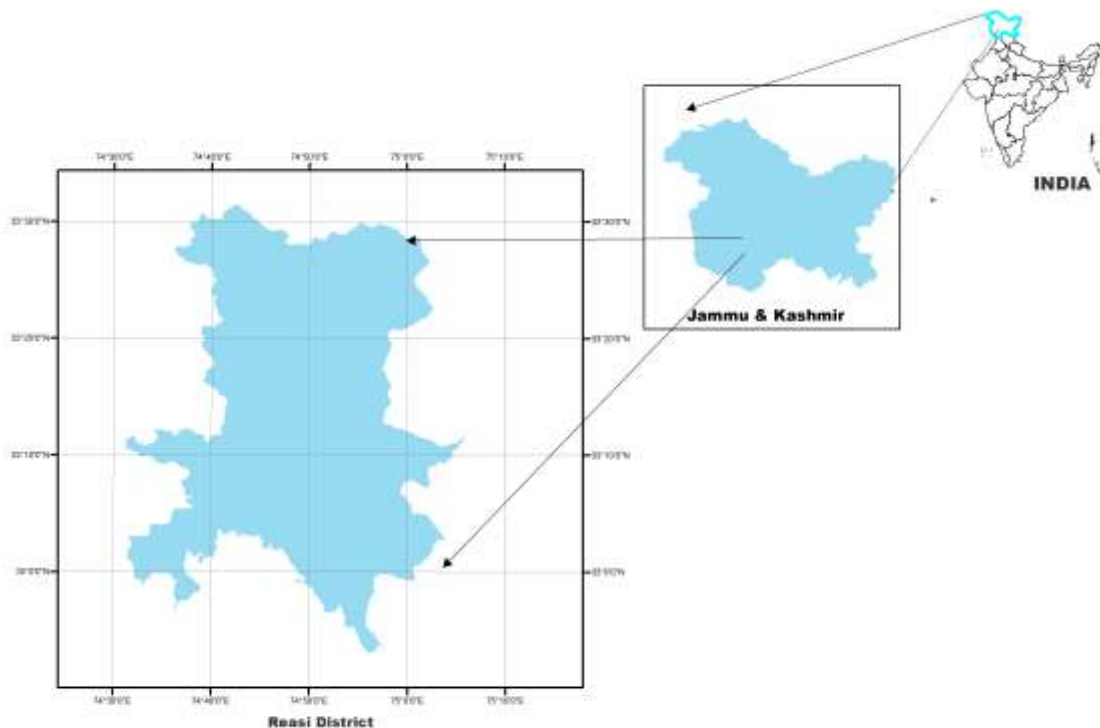


Fig.128: Location of Reasi District

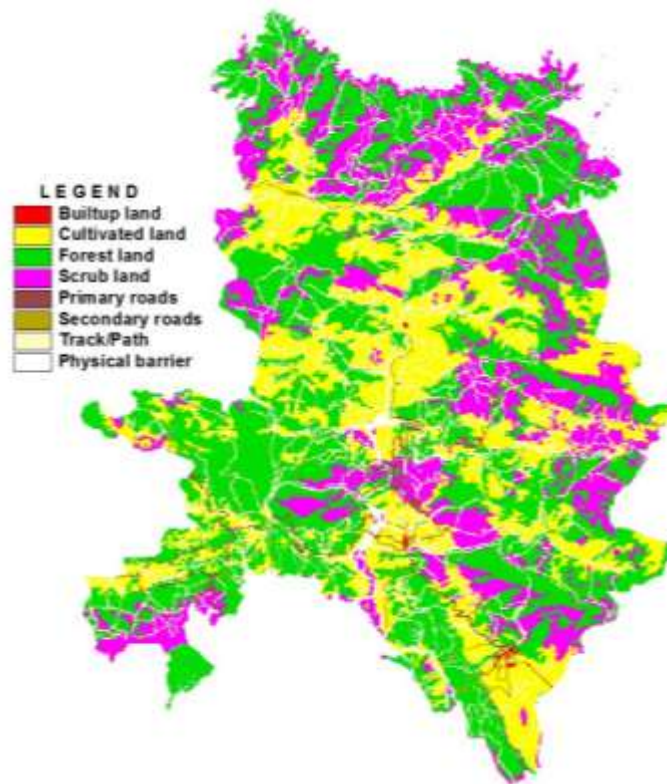


Fig.129: Land use/Land cover grid of Reasi district

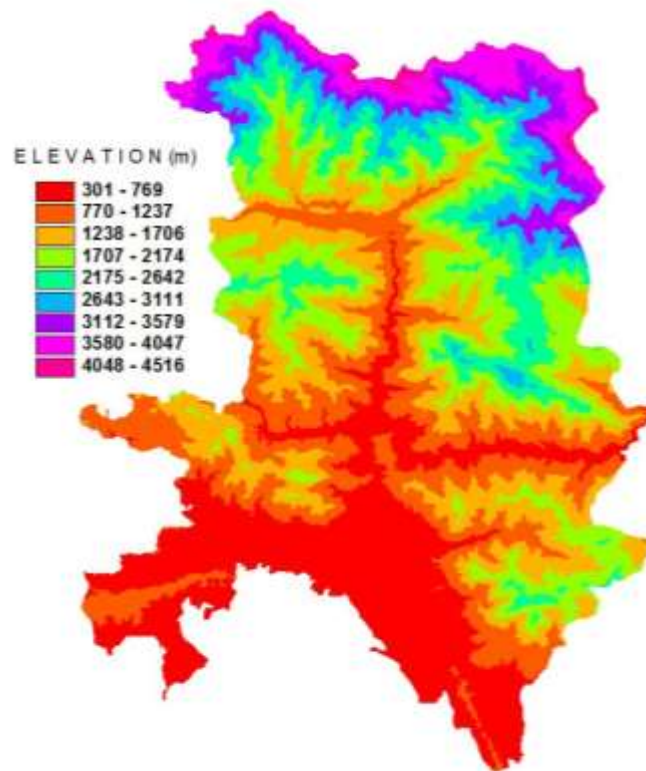


Fig.130: Digital Elevation Model of Reasi district

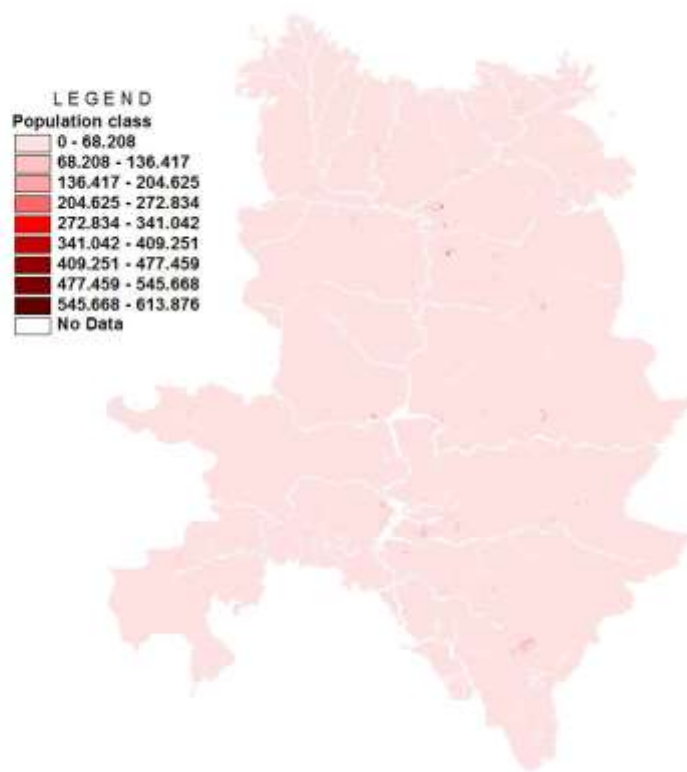


Fig.131: Spatial Census population grid of Reasi district

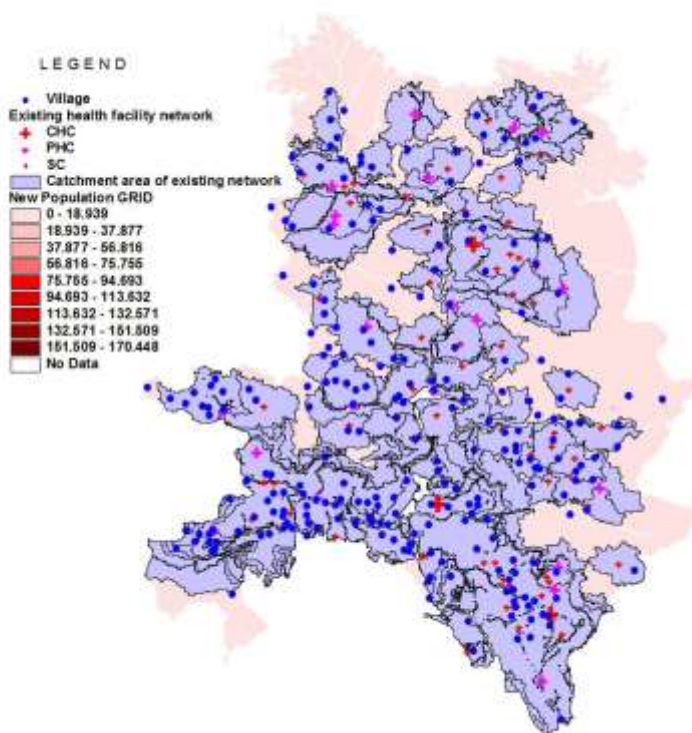


Fig.132: Catchment area of existing health facility network in Reasi district

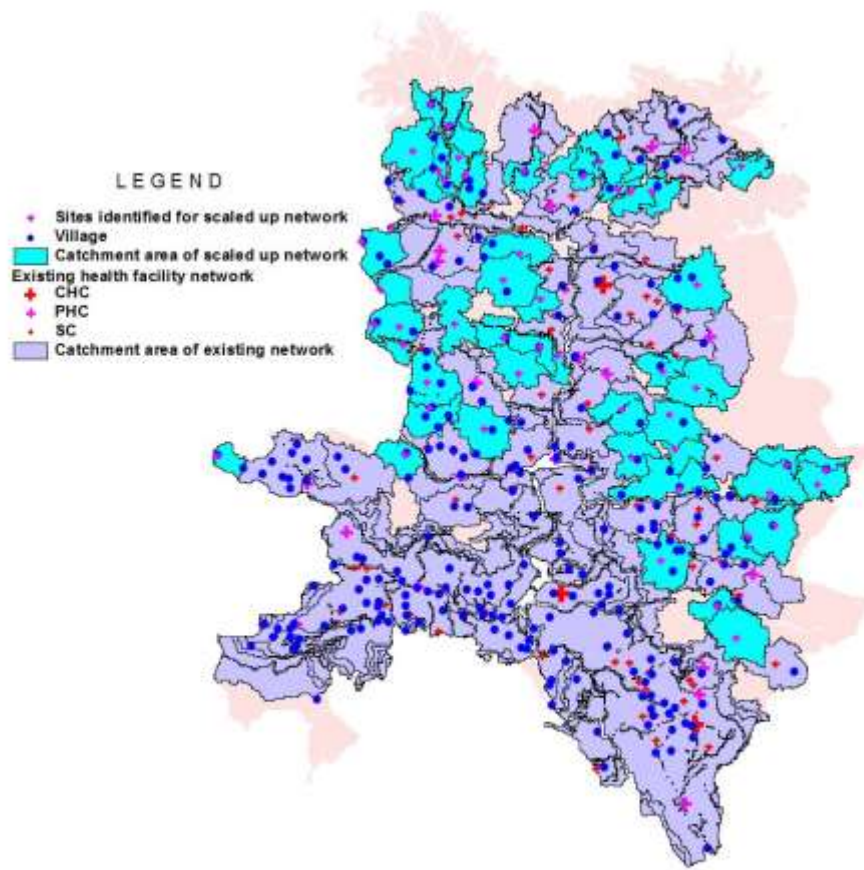


Fig.133: Catchment area of existing and scaled up health facility network in Reasi district



Fig.134: Scattered dwellings across the hilly terrain pose challenge for scaling up network

5.20 Samba District

The district lies to the West of Kathua district, East of Jammu District and South of Udhampur district. The district lies between the geographical coordinates of $74^{\circ}-50'$ to $75^{\circ}-25'$ E longitude and $32^{\circ}-20'$ and $32^{\circ}-50'$ N latitude. As per census of 2001, the district has a population of 272539 while as per the projected population for 2011 it is 354254. As per the information available on the web site of the Health Services Department, there are 97 health facilities in the district.

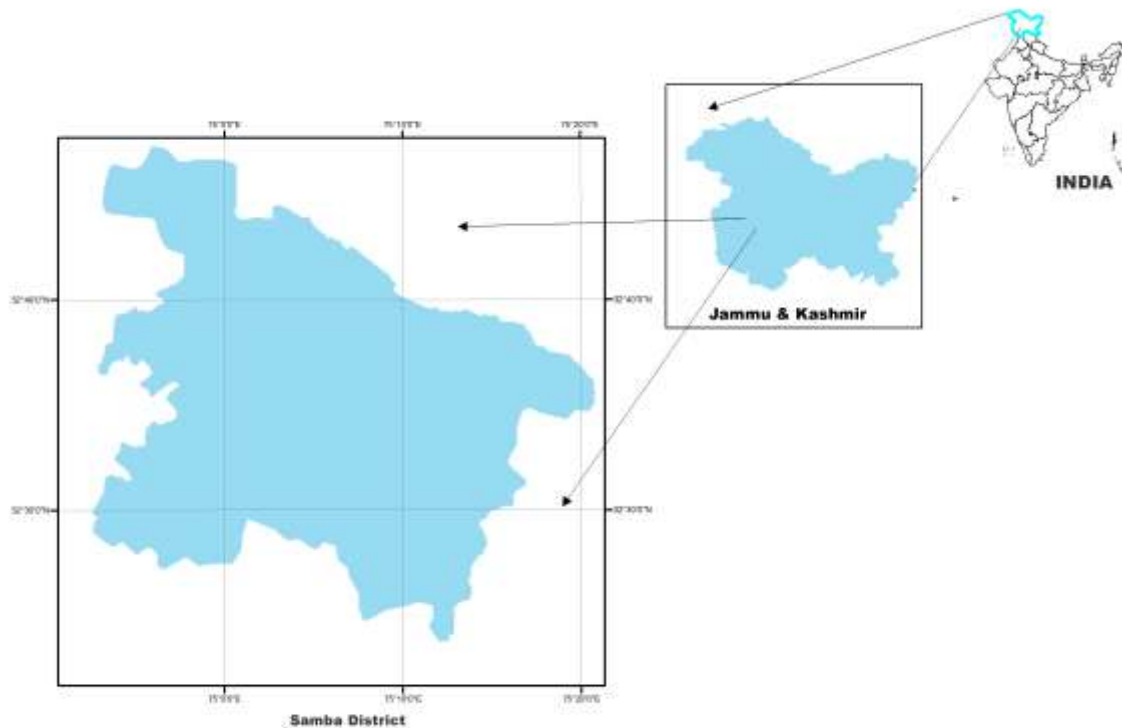


Fig.135: Location of Samba District

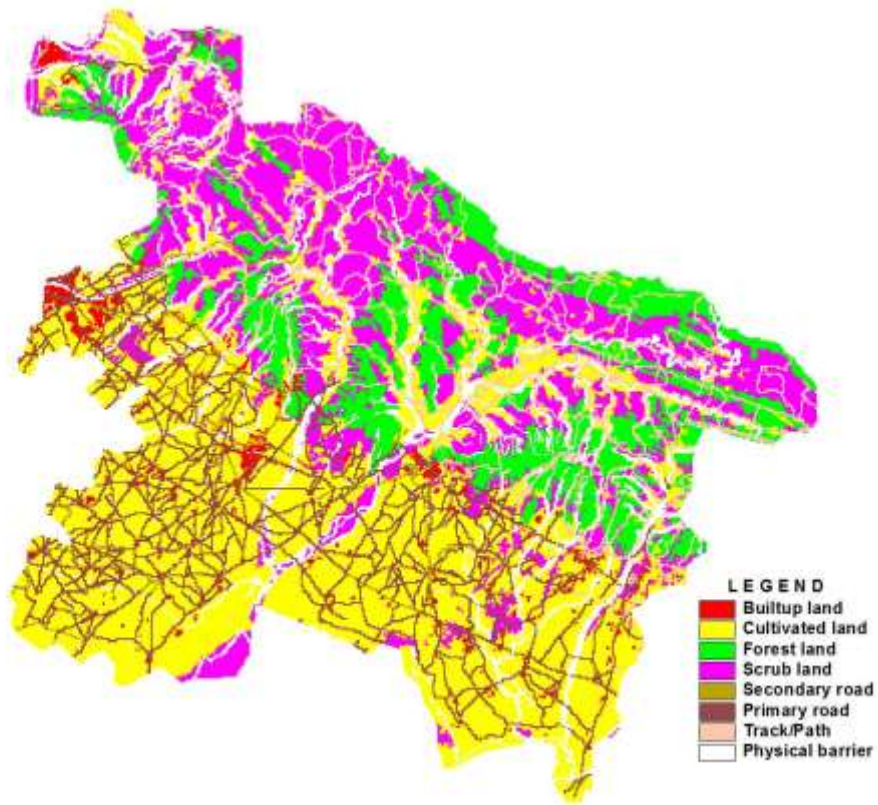


Fig.136: Land use/Land cover grid of Samba district

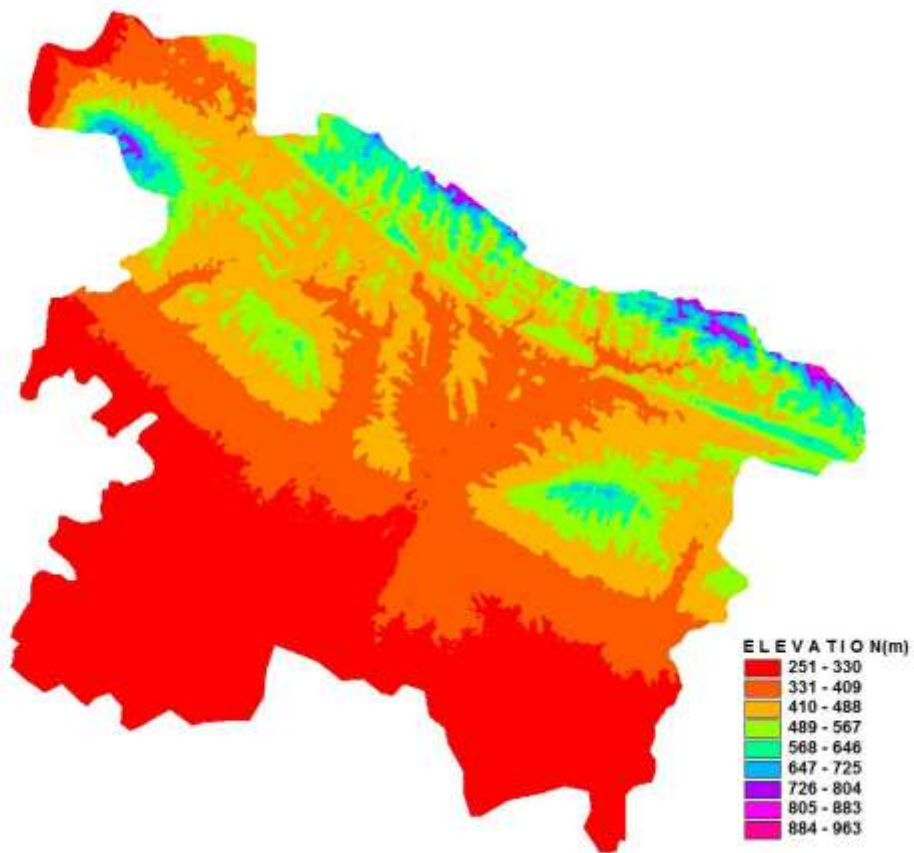


Fig. 137: Digital Elevation Model of Samba district

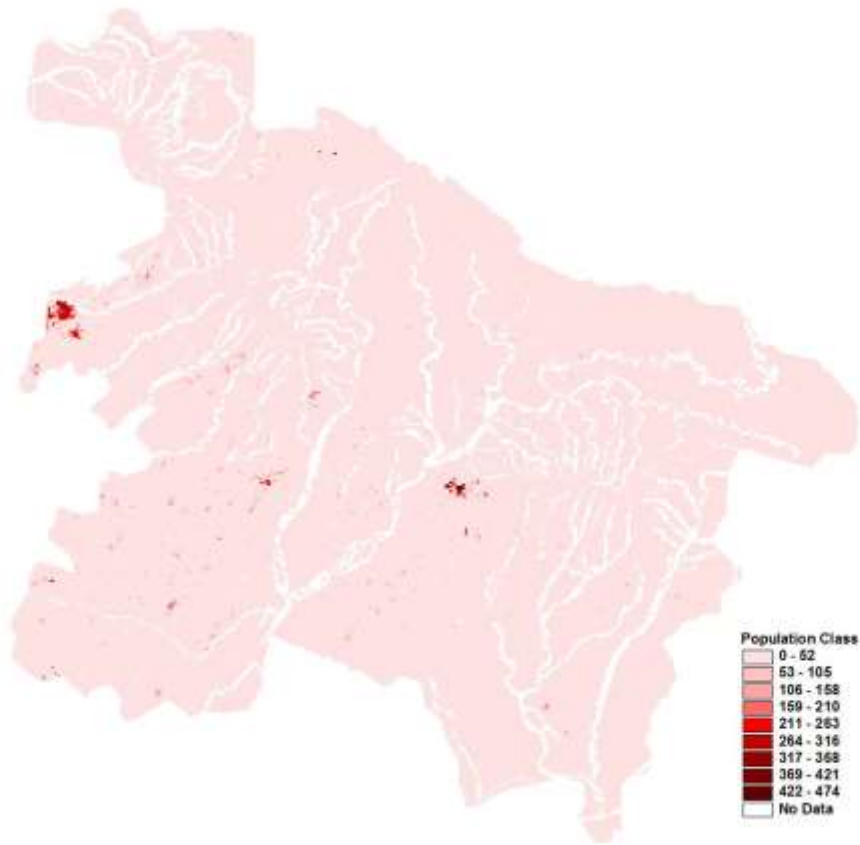


Fig.138: Spatial Census population grid of Samba district

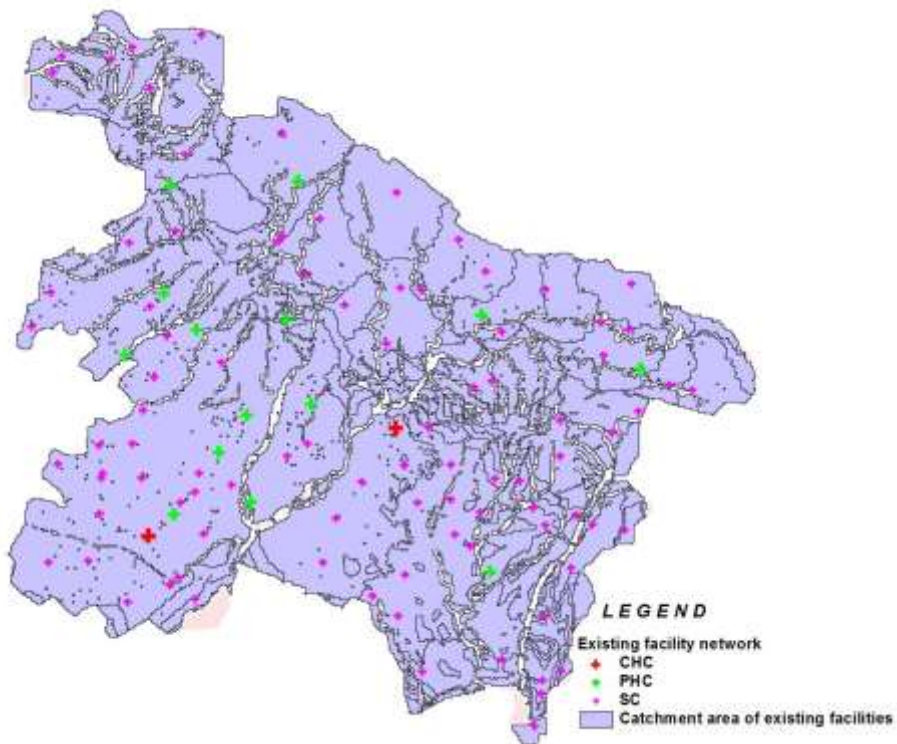


Fig.139: Catchment area of existing health facility network in Samba district

5.21 Udhampur District

The erstwhile District Udhampur was split into District Udhampur and District Reasi. The district lies to the East of Reasi and Jammu Districts, South of Ramban and Doda district and to the North of Samba and Kathua Districts. The district lies between the geographical coordinates of $74^{\circ}50'$ to $75^{\circ}45'$ E longitude and $32^{\circ}30'$ to $33^{\circ}15'$ N latitude. As per census of 2001, the district has a population of 459486 while as per the projected population for 2011, it is 597252. The district has 151 health facilities. The district is a completely hilly district with very rough terrain and the population is scattered across the difficult terrain.

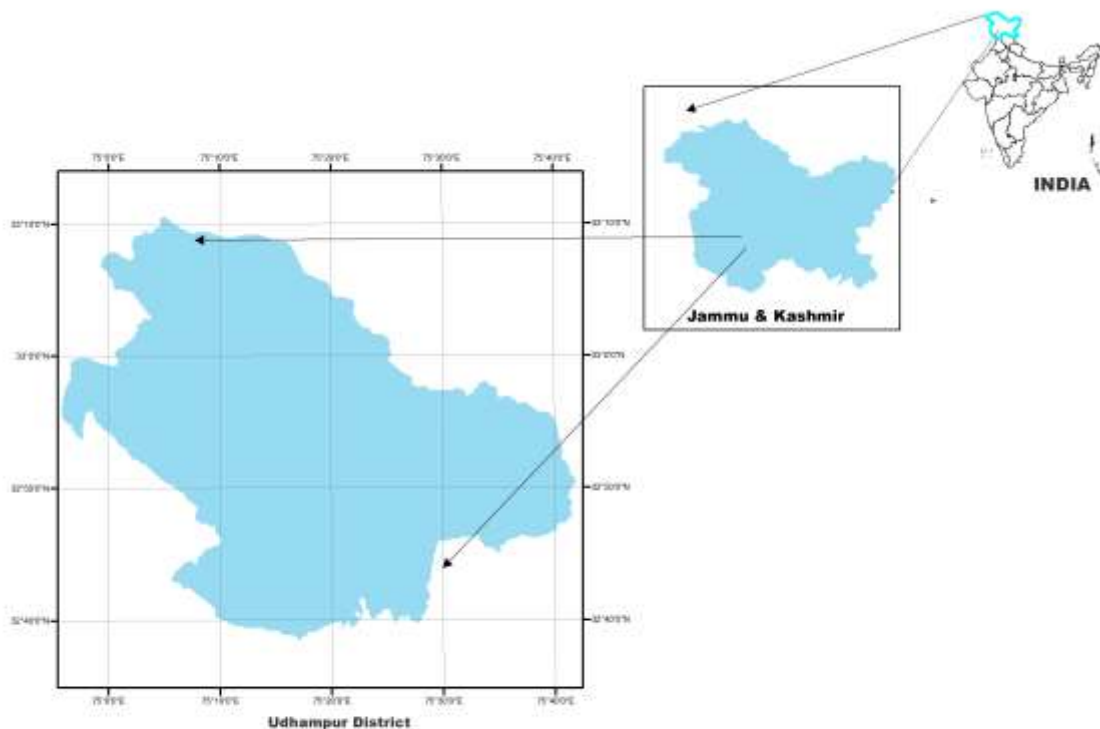


Fig.140: Location of Udhampur District

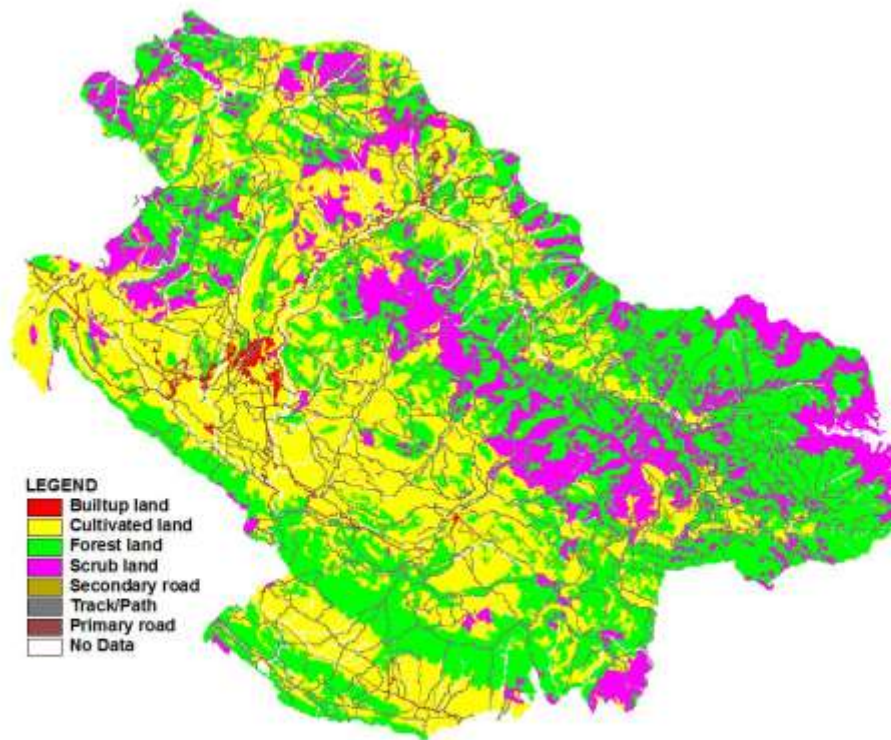


Fig.141: Land use/Land cover grid of Udhampur district

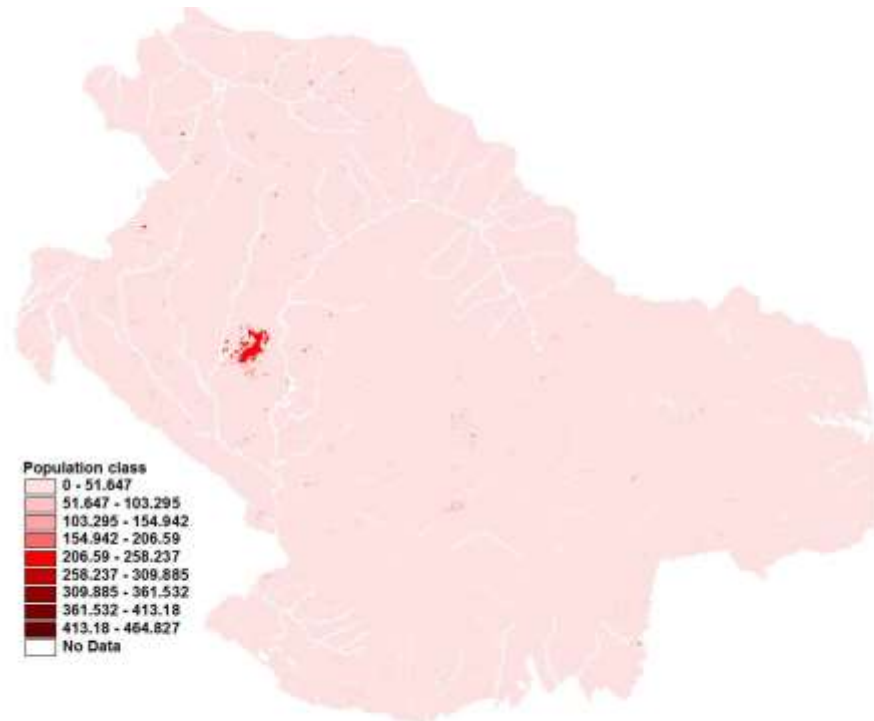


Fig.142: Spatial census population grid of Udhampur district

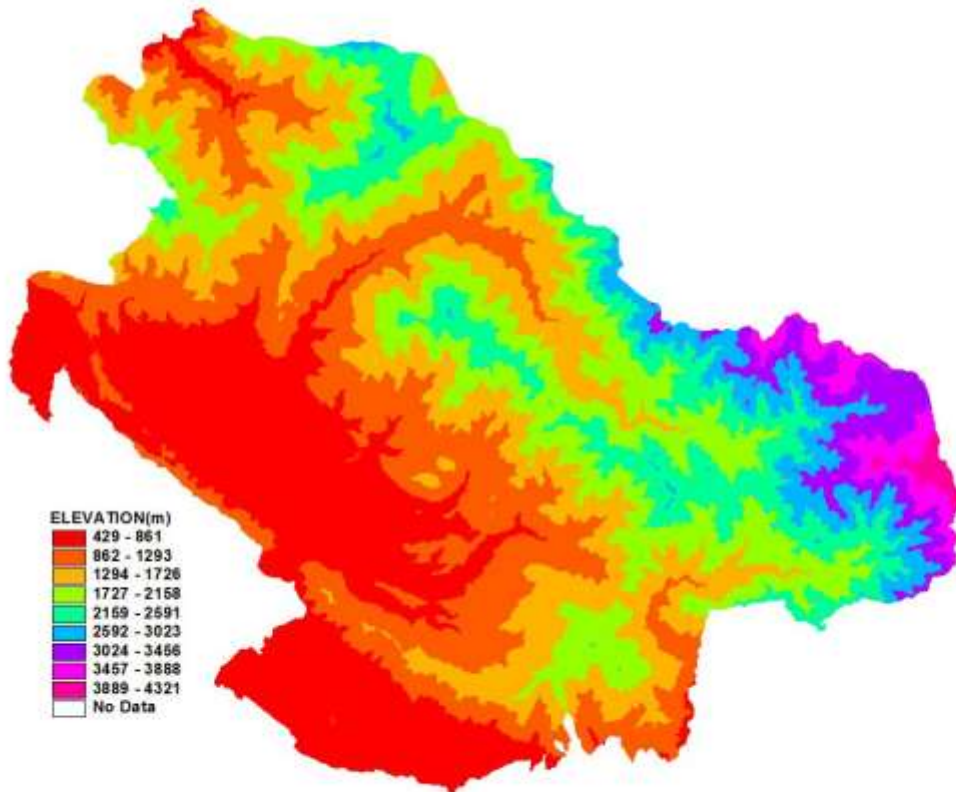


Fig.143: Digital Elevation Model of Udhampur district

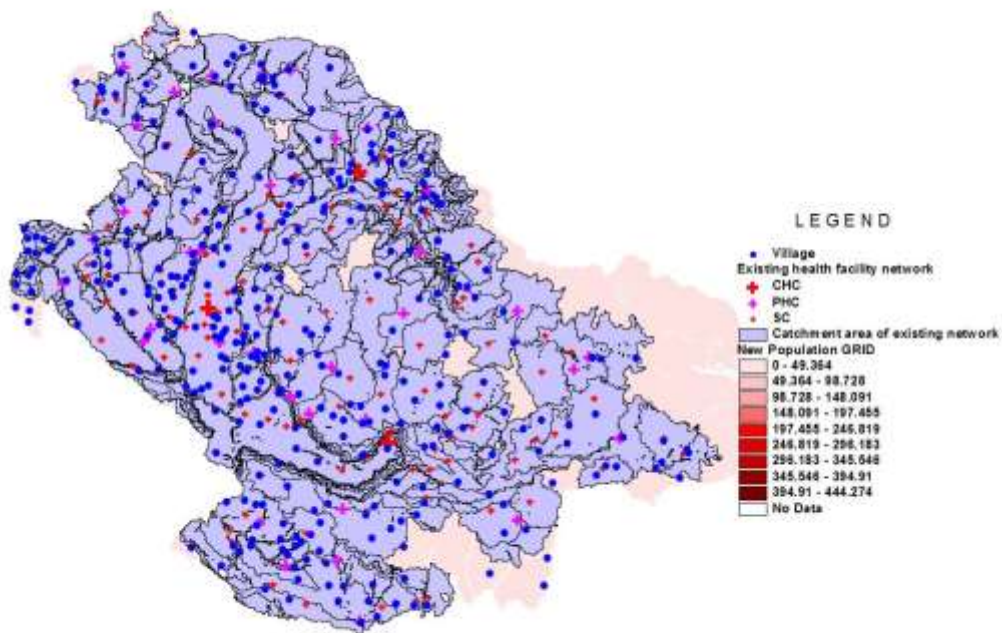


Fig.144: Catchment area of existing health facility network in Udhampur district

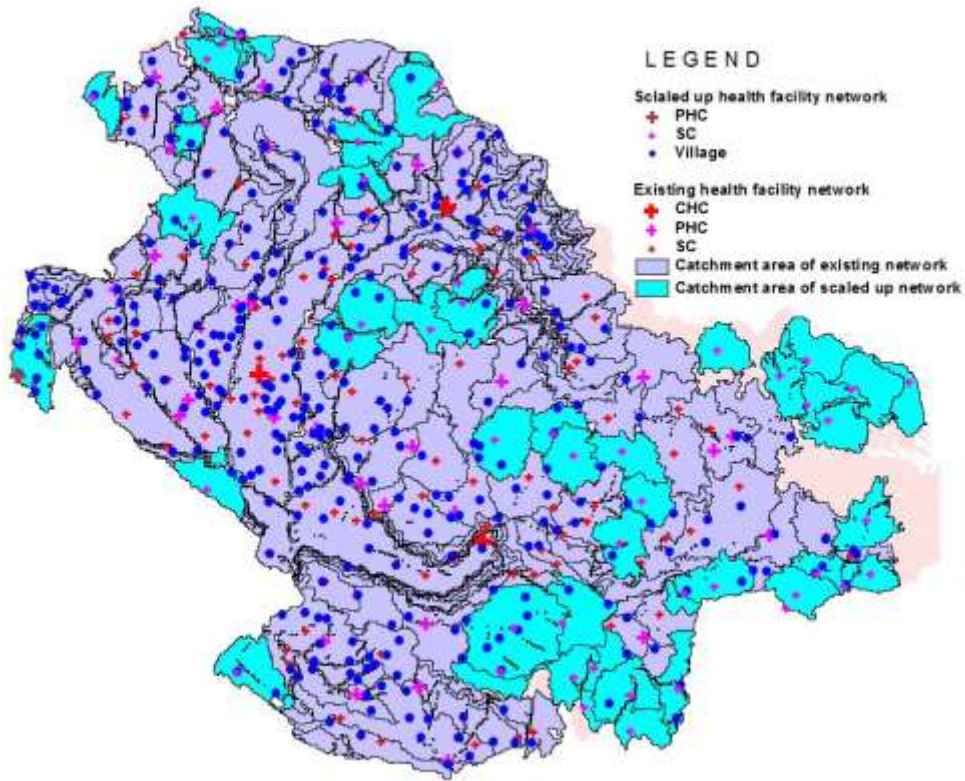


Fig.145: Catchment area of existing and scaled up health facility network in Udhampur district

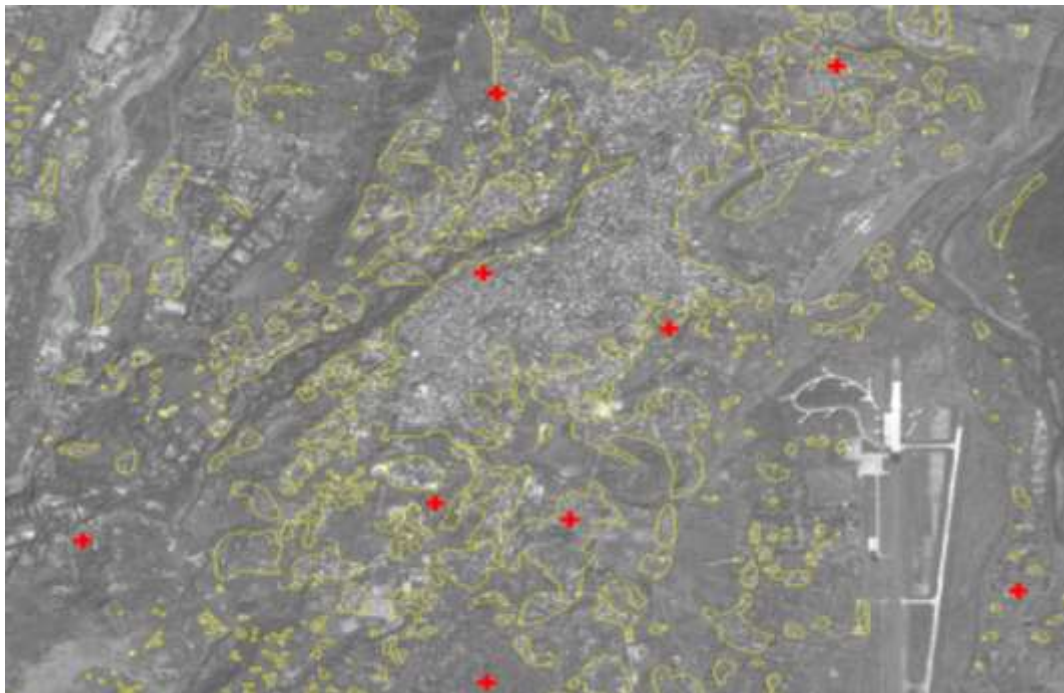


Fig.146: Delineation of settlements from the cartosat-1 image for creation of population grid

LADAKH DIVISION

5.22 Kargil District

The district lies to the East of Kishtwar district and west of Leh district. It also shares borders with Anantnag, Ganderbal and Bandipur district in the North West. It is the second largest district of the State. It also shares boundary with Himachal Pradesh. The district lies between the geographical coordinates of $74^{\circ}-15'$ to $77^{\circ}-30'$ E longitude and $32^{\circ}-15'$ to $34^{\circ}-75'$ N latitude. As per census of 2001, the district has a population of 119307 while as per the projected population for 2011, it is 155079. The district has 157 health facilities. The district is a completely hilly district with very rough terrain.

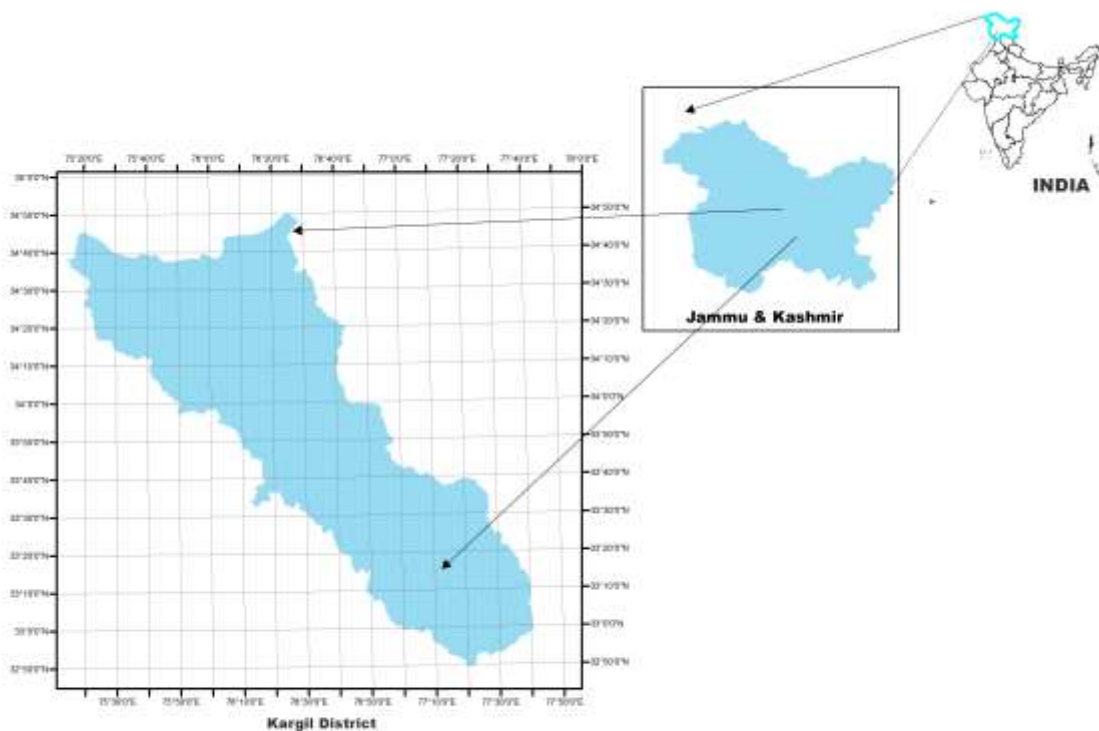


Fig.147: Location of Kargil District

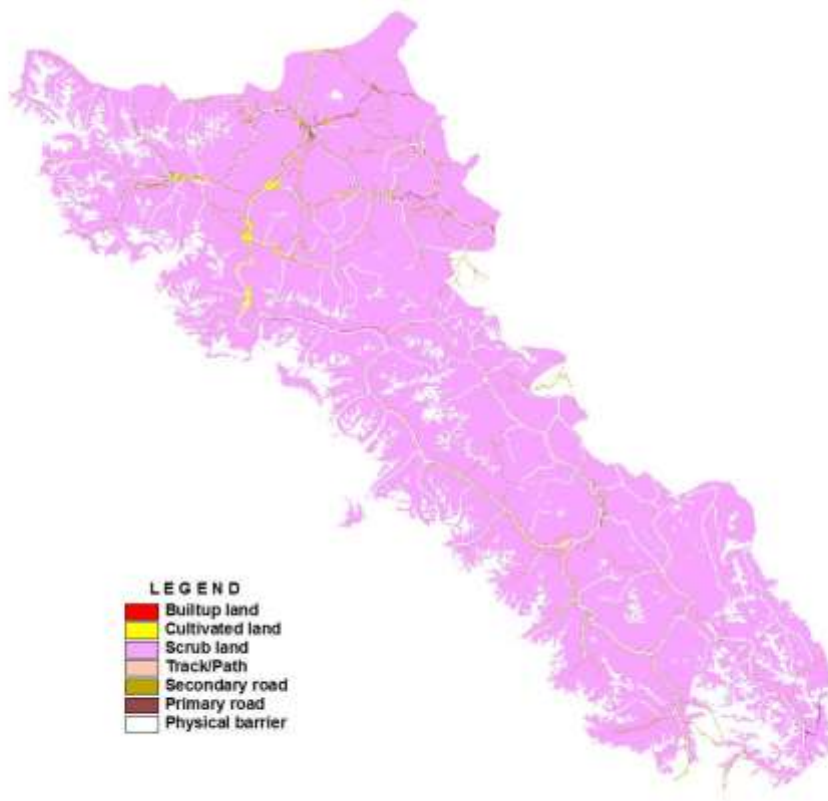


Fig.148: Land use/Land cover grid of Kargil district

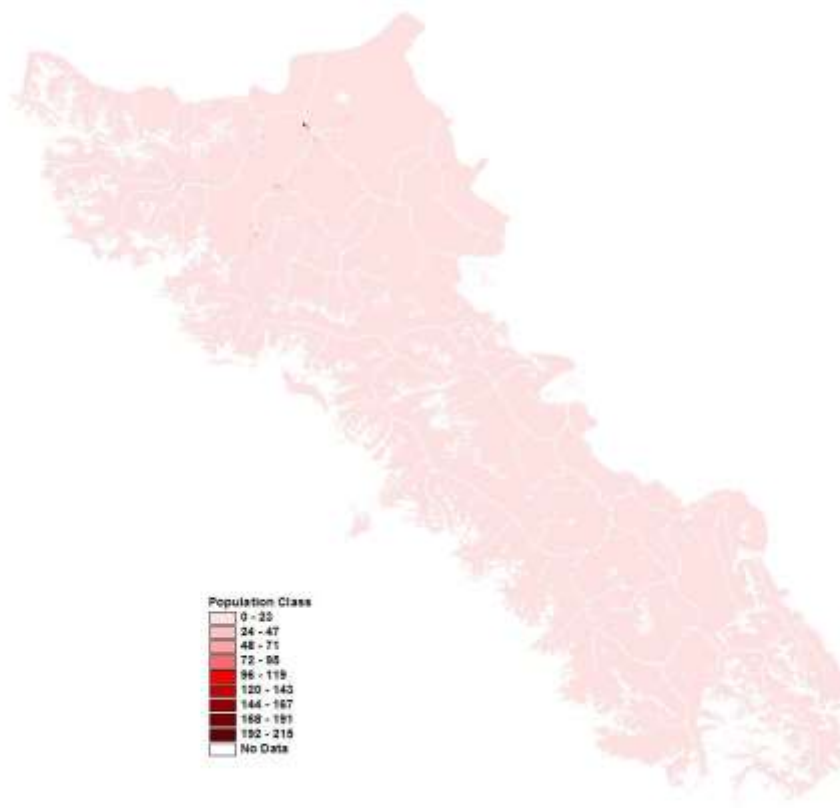


Fig.149: Spatial census population grid of Kargil district

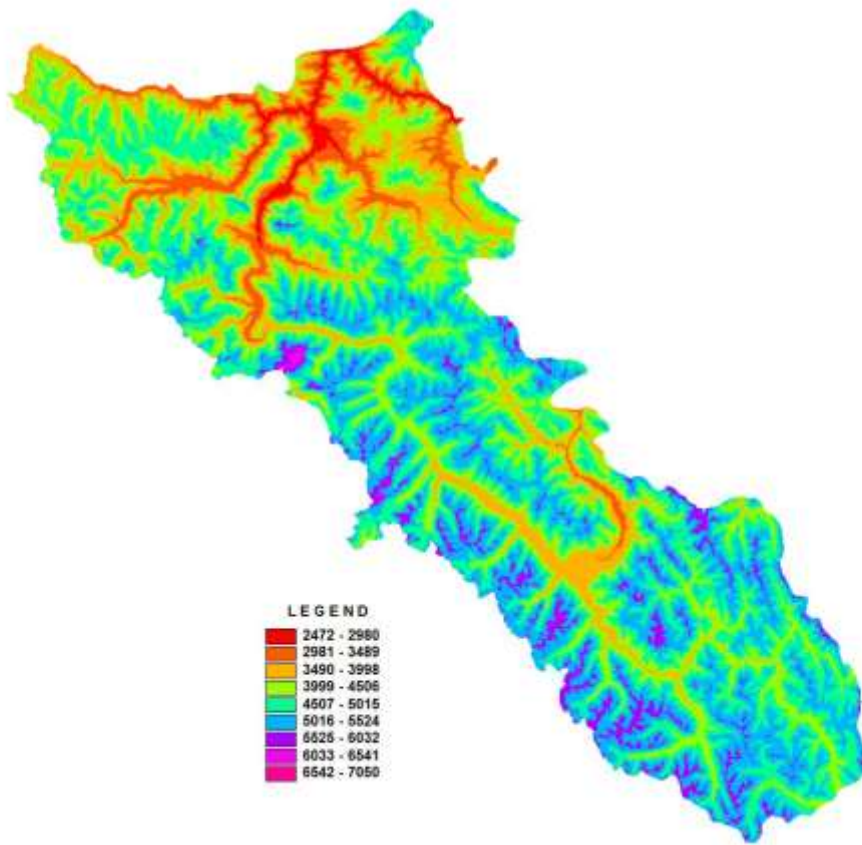


Fig.150: Digital Elevation Model of Kargil district

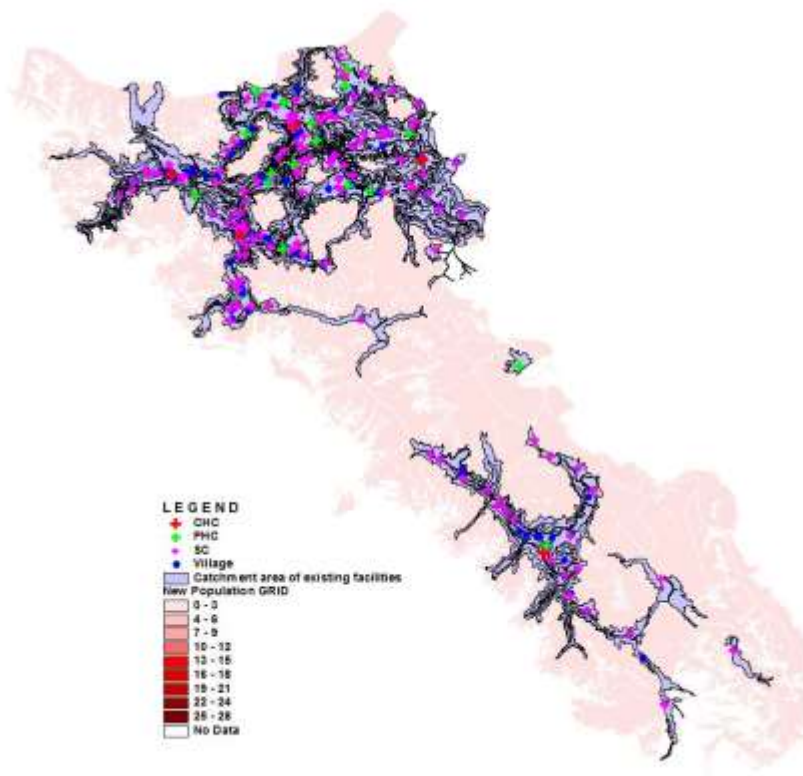


Fig.151: Catchment area of existing health facility network in Kargil district

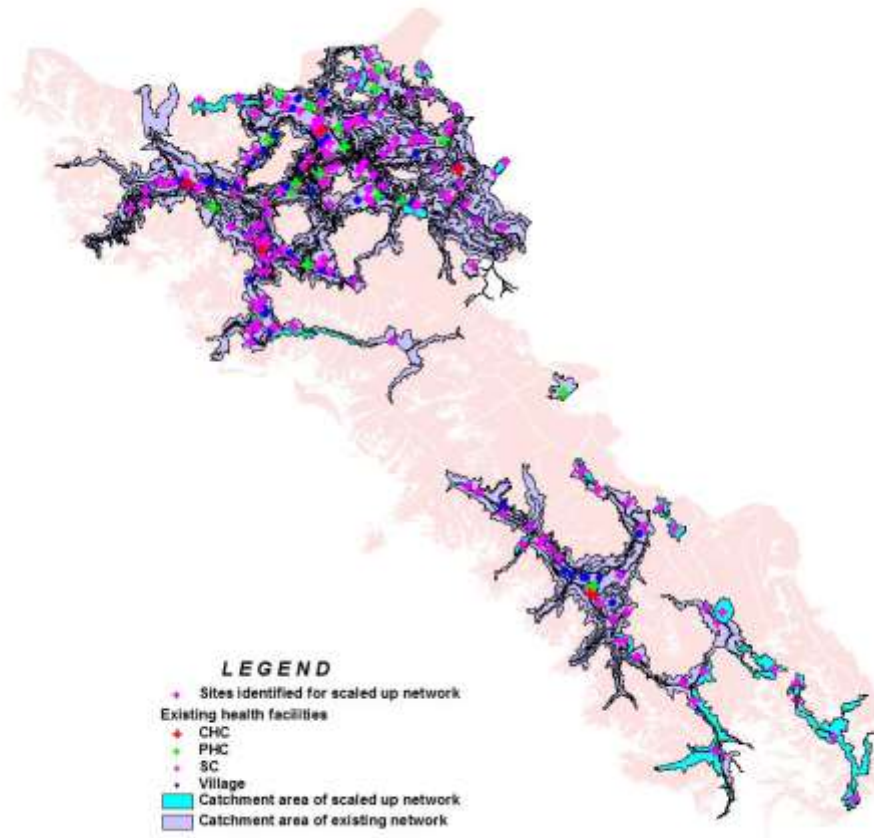


Fig.152: Catchment area of existing and scaled up health facility network in Kargil district



Fig.153: District Hospital, Kargil

5.23 Leh District

The district lies to the west of Kargil district. It also shares boundary with Himachal Pradesh, China and Pakistan. The district lies between the geographical coordinates of 76°-00' to 79°-40' E longitude and 32°-20' to 35°-20' N latitude. As per census of 2001, the district has a population of 117232 while as per the projected population for 2011, it is 152381. The district has 129 health facilities. The district is a completely hilly district with very rough terrain.

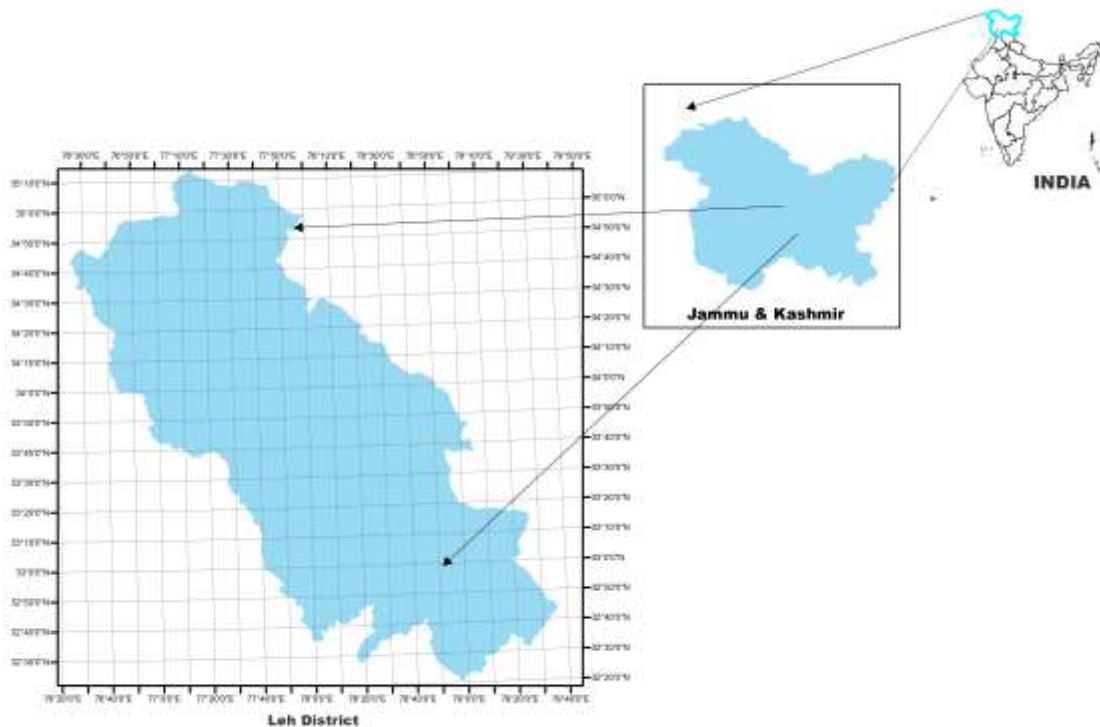


Fig.154: Location of Leh District

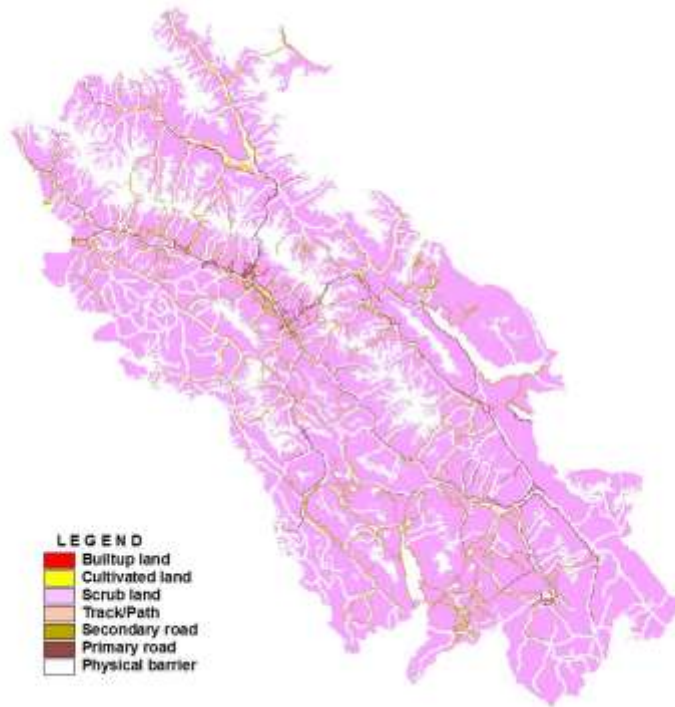


Fig.155: Land use/Land cover grid of Leh district

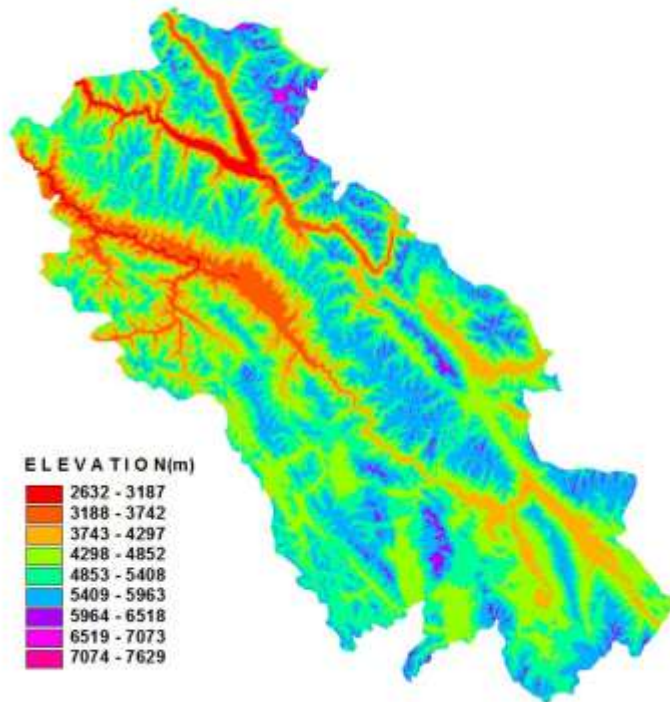


Fig.156: Digital Elevation Model of Leh district

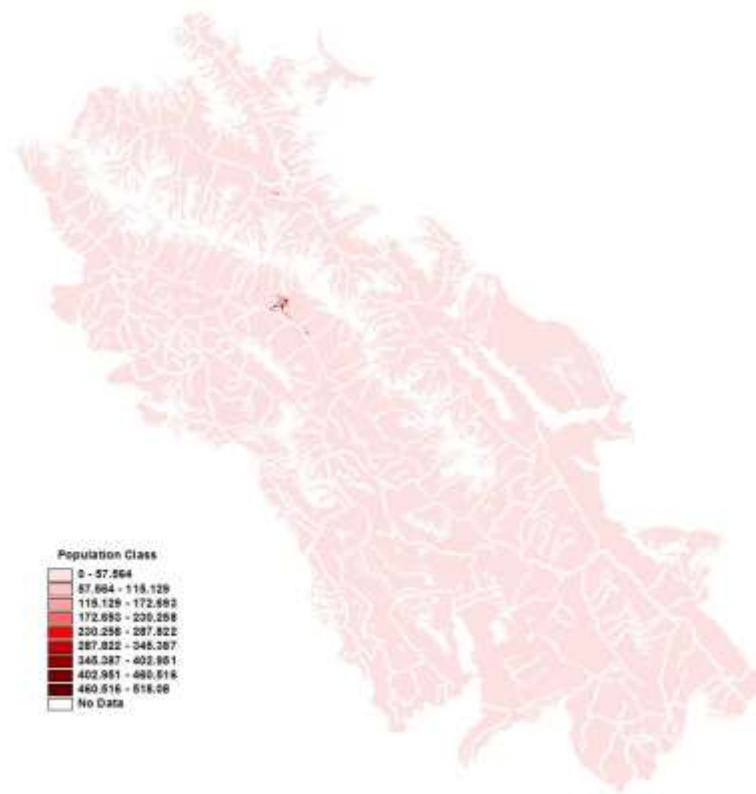


Fig.157: Spatial census population grid of Leh district

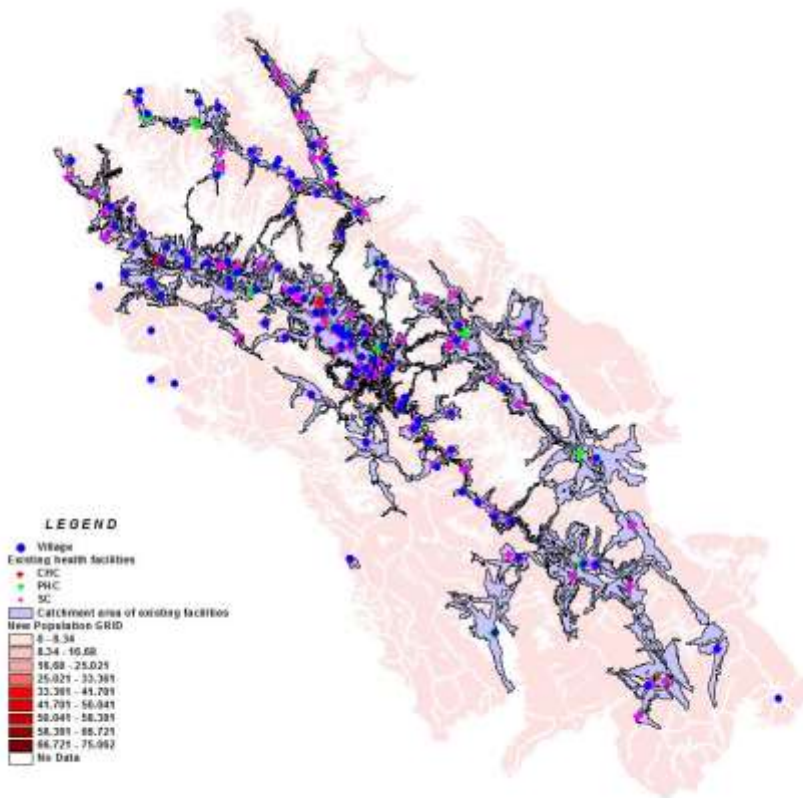


Fig.158: Catchment area of existing health facility network in Leh district

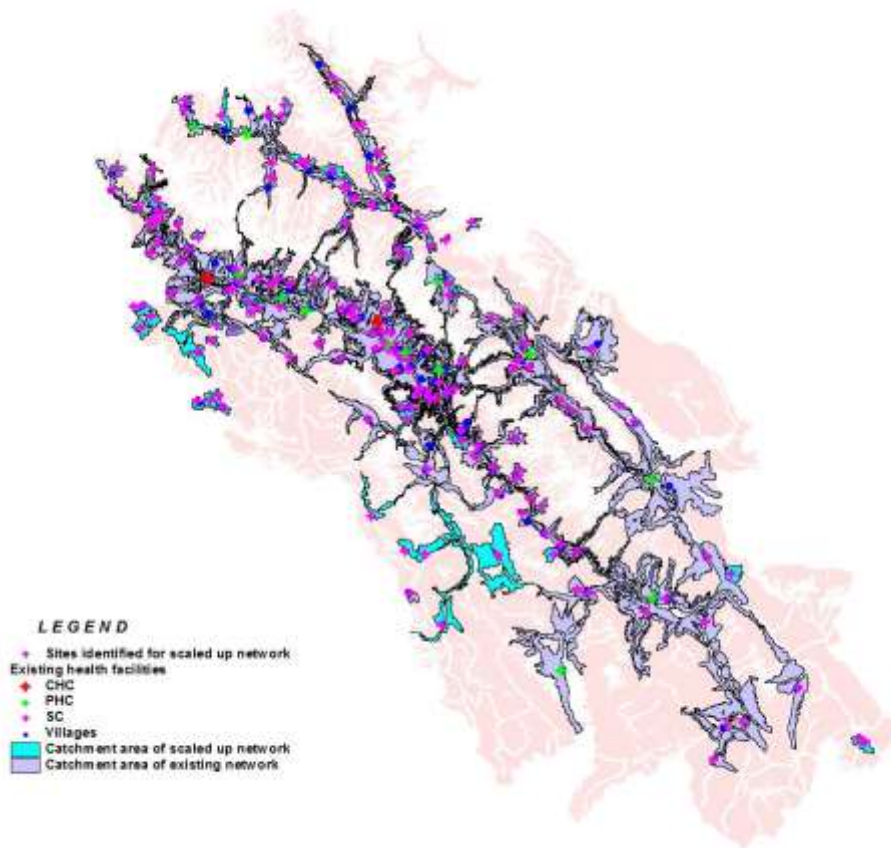


Fig.159: Catchment area of scaled up health facility network in Leh district



Fig.160: Public Health Centre, Chuchot

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RESULTS & DISCUSSION

6.0 RESULTS AND DISCUSSION

The geospatial model was run to delineate the catchment area of the existing health facility network using the spatial census population grid, Land use/Land cover grid, Digital Elevation Model, health facility population coverage capacity table, maximum travel time and the traveling scenario text file. Once the model was run, the catchment area was delineated and a new population grid was created for the uncovered areas. The network was scaled up using the new population grid automatically generated by the software for the uncovered areas while specifying the number of new sites to be identified for locating the facilities so that maximum patients are able to access the facility network within predetermined travel time.

6.1 Scaling up of the network The districtwise scenarios are briefly discussed hereas under:

6.1.1 Anantnag District

The results of the geospatial modeling revealed that the catchment area of the existing health facility network covers most of the population as per the existing population coverage norms. However, some of the population is still left unattended. Scaling up the network resulted in plotting of 09 sites in the district. However, sites corresponding to the catchment population less than 100 were not considered and the remaining 2 sites were found qualifying for Subcentres. The sites were assigned to the nearest village identified on the Survey of India Topographical Map. The qualifying sites are described in the table 29 as under:

Table-29: Sites identified for Sub Centres in Anantnag District

HF_ TYPE	CATCH_ POP	CALC_ TT	Village_Name	Latitude	Longitude
SC	303	60	Hardalau	33° 41' 17.763"N	75°27' 49.664"E
SC	214	60	Sekiwas	34°10' 1.285"N	75° 10' 24.428"E

6.1.2 Badgam District

The results of the geospatial modeling in Badgam district revealed that the catchment area of the existing health facility network covers almost the entire population and the facilities are quite adequate as per the existing population coverage norms as the patients are able to access the facilities within the desired travel time. The availability of tertiary level health facilities in the nearby Srinagar district is also an added advantage for the patients living in the plains of the district. However, while scaling up the network, two facilities are identified by the model viz. one at Soziath and another in the forest block of Kadalbal. Since Soziath is near the boundary of the district in the North, the areas in the vicinity may also be covered by facilities across the district boundary and this needs to be validated by the concerned department. The result is described in table 30 below.

Table-30: Sites identified for Sub Centres in Badgam District

HF_ TYPE	CATCH_ POP	CALC_ TT	VILLAGE	Latitude	Longitude
SC	2989	60	Soziath	34° 6' 54.732"N	74° 40' 55.352"E
SC	782	60	Kadalbal(Forest Block)	33° 53' 11.215"N	74° 30' 23.842"E

6.1.3. Bandipur District

The results of the geospatial modeling revealed that the catchment area of the existing health facility network covers most of the population as per the existing population coverage norms. However, some of the population is still left unattended. Scaling up the network resulted in plotting of 12 sites in the district. However, sites corresponding to the catchment population less than 100 were not considered and the remaining 5 sites were found qualifying for Subcentres. The sites were assigned to the nearest village identified on the Survey of India Topographical map. The qualifying sites are described in the table 31 as under:

Table-31: Sites identified for Sub Centres in Bandipur District

HFTYPE	CATCH POP	CALCTT	VILLAGE	Longitude	Latitude
SC	736	60	JAUDAR	74° 59' 16.148" E	34° 30' 28.758" N
SC	157	60	FOREST BLOCK(KHASWA)	74° 46' 53.892" E	34° 22' 48.695" N
SC	236	60	PHASLAT	75° 16' 32.756" E	34° 32' 6.638" N
SC	221	60	TATRI KRISHDI	74° 58' 11.687" E	34° 38' 44.782" N
SC	753	60	KAMRI	74° 57' 44.649" E	34° 43' 17.406" N

6.1.4 Baramulla District

The results of the geospatial modeling revealed that the catchment area of the existing health facility network covers most of the population as per the existing population coverage norms. However, some of the population is still left unattended. Scaling up the network resulted in plotting of 20 sites in the district. However, sites corresponding to the catchment population less than 100 were not considered and the remaining 7 sites were found qualifying for Subcentres. The sites were assigned to the nearest village identified on the Survey of India Topographical map. The qualifying sites are described in the table 32 as under:

Table-32: Sites identified for Sub Centres in Baramulla District

HFTYPE	CATCHPOP	CALCTT	VILLAGE	Longitude	Latitude
SC	454	60	KARAMTHAL	74°15' 9.157" E	34° 7' 10.977" N
SC	697	60	CHOTALI	74° 12' 29.906" E	34° 2' 52.395" N
SC	291	60	DARAKUJAN	74° 13' 8.011" E	34° 4' 58.810" N
SC	127	60	JODARWALA	74° 9' 54.154" E	34° 3' 31.525" N
SC	125	60	BANI	74° 13' 43.819" E	34° 7' 9.812" N
SC	121	60	HAMAM	74° 12' 1.625" E	34° 16' 44.730" N
SC	184	60	SUBHAI BALA	74° 3' 32.742" E	33° 59' 30.918" N

6.1.5 Ganderbal District

Similarly, the results of the geospatial modeling in Ganderbal district also revealed that the catchment area of the existing health facility network covers the entire population and the facilities are quite adequate as per the existing

population coverage norms as the patients are able to access the facilities within the desired travel time. The availability of tertiary level health facilities in the nearby Srinagar district is also an added advantage for the patients living in the district.

6.1.6 Kulgam District

The results of the geospatial modeling revealed that the catchment area of the existing health facility network covers most of the population in the plains as per the existing population coverage norms. However, some of the population is still left unattended especially in the hilly terrain along the foothills of Pirpanjal mountain range. Scaling up the network resulted in plotting of 31 sites in the district. However, sites corresponding to the catchment population less than 100 were not considered and the remaining 17 sites were found qualifying for Subcentres. The sites were assigned to the nearest village identified on the Survey of India Topographical Map. The qualifying sites are described in the table 33 as under:

Table-33: Sites identified for Sub Centres in Kulgam District

HF_ TYPE	CATCH_ POP	CALC_ TT	Village_Name	Latitude	Longitude
SC	3082	3	Hirpur	33° 40' 30.316"N	74° 43' 33.355"N
SC	1541	60	Hakawas	33°32' 28.068"N	74° 51' 47.890"N
SC	777	60	Lachmarg	33° 33' 5.970"N	74° 53' 18.398"N
SC	1256	60	Adarwas	33° 36' 57.249"N	74° 41' 28.416"N
SC	589	60	Gagar Mandu	33° 32' 50.932"N	75° 5' 12.188"N
SC	487	60	Kongwatan	33° 36' 4.289"N	74° 46' 53.152"N
SC	816	60	Narilwain	33° 37' 51.720"N	74° 44' 12.787"N
SC	341	60	Hastivanj	33° 38' 2.675"N	74° 37' 18.031"N
SC	475	60	Jadi	33° 34' 41.303"N	74° 32' 52.712"N
SC	286	60	Bela	33° 37' 22.537"N	74° 38' 3.063"N
SC	427	60	Satari	33° 38' 50.569"N	74° 36' 34.233"N
SC	238	60	Rupri	33° 35' 34.246"N	74° 37' 15.363"N
SC	174	60	Burbeh	33° 30' 41.763"N	75° 4' 3.974"N
SC	445	60	Dhanni	33° 37' 41.161"N	74° 32' 55.170"N
SC	118	60	Nunakhul	33° 31' 35.322"N	74° 56' 36.329"N
SC	386	60	Shipkhor	33° 41' 37.389"N	74° 38' 17.217"N
SC	128	60	Ganiali	33° 39' 3.443"N	74° 40' 41.796"N

6.1.7 Kupwara District

The results of the geospatial modeling revealed that the catchment area of the existing health facility network covers most of the population as per the existing population coverage norms. However, some of the population is still left unattended. Scaling up the network resulted in plotting of 20 sites in the district. However, sites corresponding to the catchment population less than 100 were not considered and the remaining 12 sites were found qualifying for Subcentres. The sites were assigned to the nearest village identified on the Survey of India Topographical map. The qualifying sites are described in the table 34 as under:

Table-34: Sites identified for Sub Centres in Kupwara District

HFTYPE	CATCH POP	CALCTT	VILLAGE	Longitude	Latitude
SC	425	60	UJAR	74° 22' 12.906" E	34° 22' 17.786" N
SC	1083	60	BANCHHATAR	73° 55' 15.334" E	34° 35' 42.315" N
SC	3013	43	ASHKOT	73° 49' 42.468" E	34° 28' 43.023" N
SC	389	60	RAMPUR	73° 51' 5.697" E	34° 32' 29.338" N
SC	613	60	PHALAKAN	73° 49' 23.089" E	34° 27' 43.801" N
SC	610	60	UPPER GEHL	73° 51' 52.868" E	34° 30' 19.370" N
SC	576	60	CHHEJUA	73° 51' 44.268" E	34° 28' 24.079" N
SC	240	60	LOWER GEHL	73° 50' 44.186" E	34° 30' 2.413" N
SC	305	60	BICHIWAL	73° 57' 56.613" E	34° 34' 47.655" N
SC	191	60	KAMKARI	74° 14' 23.953" E	34° 40' 13.964" N
SC	313	60	SUDPURA	73° 48' 57.848" E	34° 20' 38.368" N
SC	139	60	ARANGKEL	74° 21' 1.357" E	34° 48' 36.311" N

6.1.8 Pulwama District

The results of the geospatial modeling revealed that the catchment area of the existing health facility network covers the entire population in the district and the facilities are quite adequate as per the existing population coverage norms as the patients are able to access the facilities within the desired travel time.

6.1.9 Shopian District

The results of the geospatial modeling revealed that the catchment area of the existing health facility network covers almost the entire population of the district as per the existing population coverage norms. However, a little population is still left unattended especially in the hilly terrain along the foothills of Pirpanjal mountain range. Scaling up the network resulted in plotting of 4 sites in the district. However, sites corresponding to the catchment population less than 100 were not considered and the remaining 3 sites were found qualifying for Subcentres. The sites were assigned to the nearest village identified on the Survey of India Topographical Map. The qualifying sites are described in the table 35 as under:

Table-35: Sites identified for Sub Centres in Shopian District

HF_ TYPE	CATCH_ POP	CALC_ TT	Village_Name	Latitude	Longitude
SC	398	60	Dumbapur	33° 48' 27.218"N	74°50' 39.687" E
SC	203	60	Nangasar	33° 41' 35.344"N	74° 40' 8.007" E
SC	103	60	Chagjtkhal	33° 42' 52.352"N	74° 38' 37.302" E

6.1.10 Srinagar District:

The results of the geospatial modeling revealed that the catchment area of the existing health facility network covers the entire population and the facilities are quite adequate as per the existing population coverage norms as the patients are able to access the facilities within the desired travel time. The availability of tertiary level health facilities is also an added advantage for the patients living in the district.

6.1.11 Doda District:

The results of the geospatial modeling revealed that the catchment area of the existing health facility network covers most of the population as per the existing

population coverage norms. However, some of the population is still left unattended. Scaling up the network resulted in plotting of 14 sites in the district. However, sites corresponding to the catchment population less than 100 were not considered and the remaining 8 sites were found qualifying for Subcentres. The qualifying sites are described in the table 36 as under:

Table-36: Sites identified for Sub Centres in Doda District

HF TYPE	CATCH_ POP	CALC_TT	VILLAGE	Longitude	Latitude
SC	135	60	JAI	76° 1' 8.163" E	33° 1' 19.386" N
SC	742	60	KUTA	76° 2' 8.420" E	33° 0' 34.168" N
SC	439	60	SHANU-E-BARE	75° 53' 45.058" E	32° 57' 52.651" N
SC	171	60	DIMSALA	75° 25' 16.739" E	33° 18' 20.038" N
SC	451	60	MANJMOL	75° 29' 23.355" E	33° 1' 14.490" N
SC	416	60	MALAN	75° 27' 0.521" E	33° 17' 20.886" N
SC	106	60	MOCHAL	75° 30' 53.114" E	33° 18' 25.778" N
SC	153	60	SHAPURSHAL	75° 31' 44.100" E	33° 21' 9.922" N

6.1.12 Jammu District

The results of the geospatial modeling revealed that the catchment area of the existing health facility network covers almost entire population as per the existing population coverage norms. The availability of Tertiary level health facilities in the district also add to the advantage of the patients and we can say that the facilities are adequate as per existing norms. However, despite this a little population is still left unattended towards the South. Scaling up the network resulted in plotting of 4 sites in the district. However, sites corresponding to the catchment population less than 100 were not considered and the remaining one site was found qualifying for Subcentre near Phagwari. The qualifying site is described in the table 37 as under:

Table-37: Sites identified for Sub Centres in Jammu District

HF- TYPE	CATCH POP	CALCTT	VILLAGE	Longitude	Latitude
SC	2637	60	BHALWAL MOLU	74° 36' 34.732" E	32° 47' 7.821" N

6.1.13 Kathua District

The results of the geospatial modeling revealed that the catchment area of the existing health facility network covers almost the entire population in the Southern plains of the district as per the existing population coverage norms. However, lot of population is still left unattended especially in the northern hilly terrain. Scaling up the network resulted in plotting of 77 sites in the district. However, sites corresponding to the catchment population less than 100 were not considered and the remaining 33 sites were found qualifying for Subcentres. The sites were assigned to the nearest village identified on the Survey of India Topographical Map. The qualifying sites are described in the table 38 as under:

Table-38: Sites identified for Sub Centres in Kathua District

HF_ TYPE	CATCH_ POP	CALC_ TT	Village_Name	Latitude	Longitude
SC	3531	5	Kar Punnu	32°20' 42.425"N	75°22' 21.772"E
SC	1884	60	Keriyān	32°17' 45.812"N	75°31' 18.775"E
SC	116	60	Chak Sahotriyan	32°21' 20.284"N	75°21' 21.224"E
SC	2328	60	Chak Sahotriyan Bala	32°21' 47.499"N	75°21' 39.948"E
SC	1451	60	Ped	32°28' 14.684"N	75°33' 02.382"E
SC	1542	60	Bar Roun	32°37' 10.389"N	75°39' 37.243"E
SC	148	60	Sandal	32°41' 54.509"N	75°44' 09.472"E
SC	630	60	Khaddar	32°39' 4.469"N	75°54' 51.250"E
SC	145	60	Tharan	32°44' 8.458"N	75°30' 52.382"E
SC	511	60	Korla	32°37' 55.889"N	75°44' 07.058"E
SC	725	60	Chorpur	32°30' 57.494"N	75°42' 35.491"E
SC	1113	60	Katili	32°40' 52.788"N	75°39' 59.054"E
SC	264	60	Burywatal	32°38' 30.719"N	75°41' 02.330"E
SC	200	60	Siara	32°38' 5.147"N	75°54' 14.989"E
SC	1478	60	Kakel	32°42' 20.517"N	75°53' 52.354"E
SC	187	60	Sarola	32°44' 53.081"N	75°41' 08.090"E
SC	284	60	Zenligan	32°46' 7.713"N	75°32' 48.755"E
SC	124	60	Magiar	32°40' 4.540"N	75°50' 41.574"E
SC	383	60	Chor	32°44' 52.681"N	75°35' 58.864"E
SC	185	60	Mankot	32°44' 11.959"N	75°45' 25.157"E
SC	219	60	Chala	32°38' 31.869"N	75°51' 40.408"E
SC	383	60	Ghori Got	32°50' 46.543"N	75°44' 15.079"E
SC	453	60	Athan	32°43' 46.440"N	75°52' 56.272"E
SC	190	60	Bria	32°43' 22.917"N	75°54' 33.258"E
SC	114	60	Kiyaro	32°51' 41.494"N	75°43' 15.833"E
SC	146	60	Kembili	32°39' 20.971"N	75°50' 58.500"E

SC	181	60	Dugili	32°48' 14.962"N	75°47' 45.605"E
SC	104	60	Libela	32°45' 34.664"N	75°36' 46.478"E
SC	143	60	Patwal	32°44' 52.785"N	75°31' 22.430"E
SC	99	60	Sapnagri	32°52' 13.369"N	75°46' 38.395"E
SC	100	60	Bhulak	32°44' 57.260"N	75°54' 08.502"E
SC	137	60	Sundhar	32°46' 44.063"N	75°47' 15.907"E
SC	295	60	Lankha	32°47' 28.861"N	75°46' 53.502"E
SC	100	60	Nakki	32°50' 41.225"N	75°45' 59.232"E

6.1.14 Kishtwar District

The results of the geospatial modeling revealed that the catchment area of the existing health facility network covers most of the population as per the existing population coverage norms. However, some of the population is still left unattended. Scaling up the network resulted in plotting of 40 sites in the district. However, sites corresponding to the catchment population less than 100 were not considered and the remaining 19 sites were found qualifying for Subcentres. The sites were assigned to the nearest village identified on the survey of India topographical map. The qualifying sites are described in the table 39 as under:

Table-39: Sites identified for Sub Centres in Kishtwar District

HF TYPE	CATCH POP	CALCTT	VILLAGE	Longitude	Latitude
SC	529	60	DLAUN KUNJ PUHAL	76° 12' 9.497" E	33° 19' 43.418" N
SC	557	60	MATSEL	76° 20' 37.408" E	33° 25' 15.306" N
SC	167	60	KIDUR	76° 3' 20.227" E	33° 17' 44.082" N
SC	407	60	BHATKUT	75° 44' 35.047" E	33° 15' 47.382" N
SC	277	60	BHATAS	76° 20' 37.596" E	33° 10' 38.725" N
SC	191	60	SUKHNAI	75° 30' 56.651" E	33° 59' 8.224" N
SC	141	60	SHIROTI	75° 55' 0.917" E	33° 11' 21.677" N
SC	543	60	PRISHMULA	75° 45' 51.885" E	33° 12' 53.278" N
SC	282	60	TANDAR	75° 52' 13.546" E	33° 27' 17.547" N
SC	704	60	MANGOT	76° 0' 11.063" E	33° 6' 31.914" N
SC	172	60	APAN	75° 43' 11.670" E	33° 43' 16.636" N
SC	548	60	TETANI	75° 52' 49.738" E	33° 10' 59.858" N
SC	280	60	CHURIANO	75° 47' 43.162" E	33° 11' 53.960" N
SC	127	60	KESHWAN	75° 40' 42.541" E	33° 18' 41.459" N
SC	1123	60	BHALAN	75° 41' 22.718" E	33° 18' 13.207" N
SC	111	60	BATA	75° 34' 16.407" E	33° 47' 40.291" N
SC	207	60	GAWRIN	75° 43' 49.356" E	33° 19' 25.836" N
SC	900	60	GAJIDUND	75° 33' 32.937" E	33° 28' 5.204" N
SC	266	60	ZOUNSAR	76° 16' 29.263" E	33° 12' 43.040" N

6.1.15 Poonch District

The results of the geospatial modeling revealed that the catchment area of the existing health facility network covers almost the entire population in the district as per the existing population coverage norms. However, some population is still left unattended especially towards the far flung areas peripheral areas of the district. Scaling up the network resulted in plotting of 43 sites in the district. However, sites corresponding to the catchment population less than 100 were not considered and the remaining 20 sites were found qualifying for Subcentres. The sites were assigned to the nearest village identified on the Survey of India Topographical Map. The qualifying sites are described in the table 40 as under:

Table-40: Sites identified for Sub Centres in Poonch District

HF_ TYPE	CATCH_ POP	CALC_ TT	Vilage_Name	Latitude	Longitude
SC	671	60	Suinar	33°39' 08.698"N	74°25' 48.232"E
SC	1475	60	Dogrian	33°37' 17.062"N	74°27' 18.662"E
SC	867	60	Barur	33°50' 28.584"N	74°12' 05.879"E
SC	265	60	Poshana	33°37' 21.263"N	74°28' 31.414"E
SC	104	60	Khal Katta	33°39' 20.073"N	74°20' 56.462"E
SC	113	60	Dana	33°44' 32.865"N	74°22' 44.235"E
SC	210	60	Tiali Katha	33°38' 45.184"N	74°23' 24.642"E
SC	105	60	Galainda	33°43' 14.525"N	74°21' 23.203"E
SC	1804	60	Sehra	33°38' 38.597"N	73°57' 44.305"E
SC	2177	60	Sanari	33°42' 25.196"N	73°58' 17.688"E
SC	215	60	Kaguta	33°48' 41.075"N	74°01' 54.387"E
SC	320	60	Rupwala	33°44' 18.558"N	74°18' 35.612"E
SC	189	60	Dabsi	33°33' 08.404"N	74°06' 43.536"E
SC	356	60	Bari Baihk	33°51' 47.894"N	74°10' 50.639"E
SC	147	60	Kalsa Di Banar	33°54' 36.303"N	74°12' 35.176"E
SC	521	60	Mundhar	33°50' 54.196"N	74°10' 06.852"E
SC	116	60	Dharmadi	33°43' 27.403"N	73°57' 21.538"E
SC	186	60	Sank Di Dhok	33°53' 05.577"N	74°11' 11.694"E
SC	121	60	Daruchhian	33°39' 31.836"N	73°58' 59.689"E
SC	130	60	Dara	33°37' 00.280"N	73°59' 54.530"E

6.1.16 Rajouri District

The results of the geospatial modeling revealed that the catchment area of the existing health facility network covers almost the entire population in the district as per the existing population coverage norms. However, some population is still left unattended especially towards the far flung areas. Scaling up the network resulted in plotting of 38 sites in the district. However, sites corresponding to the catchment population less than 100 were not considered and the remaining 21 sites were found qualifying for Subcentres. The sites were assigned to the nearest village identified on the Survey of India Topographical Map. The qualifying sites are described in the table 41 as under:

Table-41: Sites identified for Sub Centres in Rajouri District

HF_ TYPE	CATCH_ POP	CALC_ TT	Village_Name	Latitude	Longitude
SC	1553	60	Nah	33°00' 06.409"N	74°20' 40.798"E
SC	1112	60	Bhanda	33°17' 51.394"N	74°32' 26.834"E
SC	760	60	Marhota Bala	33°19' 31.397"N	74°30' 44.192"E
SC	678	60	Bani	33°11' 45.457"N	74°40' 12.919"E
SC	489	60	Kulian	33°32' 57.012"N	74°25' 38.960"E
SC	628	60	Seri	33°30' 21.749"N	74°27' 28.744"E
SC	368	60	Sumwali	33°30' 39.851"N	74°26' 21.914"E
SC	476	60	Huj	33°12' 01.954"N	74°36' 13.691"E
SC	411	60	Chhawani	33°17' 26.199"N	74°38' 38.607"E
SC	471	60	Chakoti	33°13' 22.593"N	74°36' 57.328"E
SC	445	60	Patan	33°00' 06.693"N	74°18' 36.106"E
SC	243	60	Turoi	33°06' 00.130"N	74°12' 05.878"E
SC	611	60	Chakli	33°18' 21.514"N	74°32' 28.055"E
SC	308	60	Kalaban	33°32' 32.898"N	74°16' 40.963"E
SC	118	60	Dabor	33°00' 06.917"N	74°23' 53.152"E
SC	146	60	Tramba Nari	33°27' 14.373"N	74°29' 14.212"E
SC	170	60	Chhund	33°29' 14.076"N	74°28' 42.910"E
SC	137	60	Pathar	33°12' 12.730"N	74°38' 30.917"E
SC	239	60	Nali	33°01' 42.845"N	74°18' 29.257"E
SC	111	60	Behthan	33°24' 24.502"N	74°39' 22.280"E
SC	158	60	Arдох	33°22' 25.293"N	74°09' 12.955"E

6.1.17 Ramban District

The results of the geospatial modeling revealed that the catchment area of the existing health facility network covers most of the population as per the existing population coverage norms. However, some of the population is still left unattended. Scaling up the network resulted in plotting of 26 sites in the district. However, sites corresponding to the catchment population less than 100 were not considered and the remaining 13 sites were found qualifying for Subcentres. The sites were assigned to the nearest village identified on the survey of India topographical map. The qualifying sites are described in the table 42 as under:

Table-42: Sites identified for Sub Centres in Ramban District

HF-TYPE	CATCH POP	CALCT T	VILLAGE	Longitude	Latitude
SC	2572	60	DADIA	75° 7' 29.058" E	33° 19' 8.057" N
SC	1252	60	PARAKAR DALU	75° 18' 17.418" E	33° 18' 53.039" N
SC	314	60	ANCHOH	75° 5' 27.105" E	33° 17' 56.105" N
SC	791	60	BODAS	75° 2' 27.634" E	33° 17' 23.133" N
SC	169	60	ROGHDHAR	75° 7' 45.667" E	33° 17' 44.665" N
SC	328	60	NARTHIYAI	75° 15' 53.203" E	33° 19' 5.442" N
SC	102	60	NAKA	74° 59' 13.561" E	33° 19' 48.065" N
SC	190	60	URHNAL	75° 8' 56.168" E	33° 19' 0.535" N
SC	524	60	NAUGAM	75° 19' 5.710" E	33° 18' 44.060" N
SC	287	60	KUMET	75° 23' 3.006" E	33° 13' 7.927" N
SC	300	60	CHARNO	75° 20' 8.000" E	33° 16' 4.631" N
SC	109	60	BALKOT	75° 18' 22.409" E	33° 14' 44.552" N
SC	174	60	BHIRE	75° 18' 37.294" E	33° 16' 49.740" N

6.1.18 Reasi District

The results of the geospatial modeling revealed that the catchment area of the existing health facility network covers most of the population as per the existing population coverage norms. However, some of the population is still left unattended. Scaling up the network resulted in plotting of 50 sites in the district. However, sites corresponding to the catchment population less than 100 were not considered and the remaining 35 sites were found qualifying for Subcentres. The sites were assigned to the nearest village identified on the Survey of India Topographical map. The qualifying sites are described in the table 43 as under:

Table-43: Sites identified for Sub Centres in Reasi District

HF-TYPE	CATCH POP	CAL CTT	VILLAGE	Longitude	Latitude
SC	1267	60	ADBES	74° 52' 7.846" E	33° 22' 53.845" N
SC	821	60	NAL	74° 45' 38.746" E	33° 11' 54.661" N
SC	1423	60	MANJIKOT	74° 46' 37.192" E	33° 23' 29.649" N
SC	929	60	BAINSI	75° 1' 25.686" E	33° 10' 46.332" N
SC	2769	60	JUDA	74° 53' 33.286" E	33° 10' 59.848" N
SC	720	60	BHAGANKOT	74° 44' 48.842" E	33° 23' 10.489" N
SC	625	60	SABAS	74° 46' 21.603" E	33° 16' 30.748" N
SC	835	60	LOWER DUGA	74° 56' 7.381" E	33° 9' 55.481" N
SC	199	60	CHABLA	74° 42' 52.990" E	33° 26' 36.965" N
SC	752	60	CHANAN	74° 46' 51.581" E	33° 20' 26.156" N
SC	1692	60	UPPER DUGA	74° 55' 53.850" E	33° 11' 2.537" N
SC	666	60	SAWALKOT	75° 3' 20.207" E	33° 10' 25.171" N
SC	478	60	KALAKOT	74° 31' 28.741" E	33° 11' 4.523" N
SC	727	60	CHAN	74° 49' 17.969" E	33° 15' 16.463" N
SC	1113	60	UPPER KALAR	74° 49' 8.378" E	33° 17' 49.281" N
SC	370	60	UPPER BADAR	74° 50' 45.186" E	33° 22' 58.906" N
SC	400	60	SALDHAR	74° 56' 29.173" E	33° 18' 42.096" N
SC	1307	60	NANDKOT	74° 43' 28.439" E	33° 25' 50.977" N
SC	989	60	THANOL	74° 42' 40.504" E	33° 13' 15.605" N
SC	966	60	BHALAR	74° 48' 6.105" E	33° 15' 59.884" N
SC	2121	60	BHANI	74° 43' 54.880" E	33° 24' 9.726" N
SC	144	60	SARTHALA	75° 0' 46.799" E	33° 9' 14.248" N
SC	448	60	KHATA	74° 46' 45.259" E	33° 18' 59.263" N
SC	112	60	CHAKAL HAWALAN	74° 42' 6.218" E	33° 14' 29.004" N
SC	350	60	RASKIN	74° 41' 39.497" E	33° 11' 10.147" N
SC	461	60	PARANKOTE	74° 40' 57.768" E	33° 16' 2.420" N
SC	137	60	DHANDHALI	74° 55' 54.532" E	33° 12' 42.285" N
SC	648	60	GHAINTA	74° 57' 57.928" E	33° 5' 15.634" N
SC	782	60	SIYANKOT	74° 40' 6.867" E	33° 17' 8.234" N
SC	570	60	SUPRAS	74° 51' 42.412" E	33° 24' 13.874" N
SC	203	60	KALABAN	74° 40' 59.289" E	33° 19' 16.283" N
SC	396	60	THALWAL	74° 59' 0.708" E	33° 3' 17.014" N
SC	113	60	HAMOSHAN	74° 43' 31.954" E	33° 23' 1.106" N
SC	190	60	HARIWALA	74° 54' 50.519" E	33° 15' 0.740" N
SC	255	60	PHAGOLI	74° 39' 31.357" E	33° 20' 27.738" N

The above results have revealed that only Sub Centres have been identified. This is because sparsely scattered population living across the hilly terrain gets aggregated only to form the catchment of a SC within the predetermined travel

time set in the model and population coverage capacity of higher levels of health facilities are not reached within that travel time limits.

6.1.19 Samba District

The results of the geospatial modeling revealed that the catchment area of the existing health facility network covers the entire population in the district and the facilities are quite adequate as per the existing population coverage norms as the patients are able to access the facilities within the desired travel time.

6.1.20 Udhampur District

The results of the geospatial modeling revealed that the catchment area of the existing health facility network covers most of the population as per the existing population coverage norms. However, some of the population is still left unattended. Scaling up the network resulted in plotting of 49 sites in the district. However, sites corresponding to the catchment population less than 100 were not considered and the remaining 28 sites were found qualifying for Subcentres. The sites were assigned to the nearest village identified on the survey of India topographical map. The qualifying sites are described in the table 44 as under:

Table-44: Sites identified for Sub Centres in Udhampur District

HF-TYPE	CALCTT	CATCHPOP	VILLAGE	Longitude	Latitude
SC	60	2763	SOHAN	75° 28' 28.264" E	32° 42' 22.696" N
SC	60	1060	OSUH	75° 12' 7.596" E	32° 57' 7.812" N
SC	27	3096	KANDIHAR	74° 56' 8.434" E	32° 55' 21.522" N
SC	60	476	KULWAS	75° 7' 7.232" E	33° 9' 25.971" N
SC	60	586	THANAGA	75° 0' 21.849" E	33° 6' 46.091" N
SC	60	630	KANAULI	75° 5' 47.953" E	33° 9' 25.843" N
SC	60	1399	KUND	75° 22' 34.328" E	32° 52' 53.122" N
SC	60	304	KITHAR	75° 13' 39.560" E	33° 3' 27.257" N
SC	60	717	KOT	75° 28' 48.135" E	32° 46' 24.771" N
SC	60	782	TIRTH	74° 57' 34.545" E	32° 54' 21.260" N
SC	60	429	PHONGRI	75° 25' 46.209" E	32° 50' 21.159" N
SC	60	1335	DHANWALT	75° 20' 7.758" E	32° 43' 18.402" N
SC	60	101	PARDHUN	75° 6' 32.795" E	32° 50' 46.177" N

SC	60	1460	KHADIYAN	75° 24' 11.573" E	32° 41' 38.905" N
SC	60	501	DULAR	75° 23' 23.147" E	32° 51' 58.445" N
SC	60	888	KHANED	75° 36' 2.851" E	32° 47' 13.730" N
SC	60	129	DIVSHETAR	75° 35' 1.932" E	32° 55' 58.498" N
SC	60	181	CHOHA	75° 6' 59.143" E	32° 43' 35.377" N
SC	60	111	KAJRERA	75° 37' 40.844" E	32° 49' 2.123" N
SC	60	254	GAGANPUR	75° 33' 28.419" E	32° 45' 41.928" N
SC	60	452	GANODURU	75° 38' 47.647" E	32° 55' 2.473" N
SC	60	836	KANETAR	75° 26' 19.726" E	32° 40' 36.629" N
SC	60	457	GOTA	75° 16' 8.024" E	32° 57' 12.841" N
SC	60	121	KANJI	75° 37' 40.980" E	32° 54' 19.507" N
SC	60	126	RANGOTI	75° 35' 42.513" E	32° 46' 46.609" N
SC	60	149	SHAH MERI	75° 30' 13.995" E	32° 46' 40.574" N
SC	60	136	MANDRALA	75° 30' 23.264" E	32° 56' 31.991" N
SC	60	183	SHAH DE BHAN	75° 17' 49.472" E	32° 59' 26.328" N

6.1.21 Kargil District

The results of the geospatial modeling revealed that the catchment area of the existing health facility network covers most of the population as per the existing population coverage norms. However, some of the population is still left unattended. Scaling up the network resulted in plotting of 24 sites in the district. However, sites corresponding to the catchment population less than 100 were not considered and the remaining 5 sites were found qualifying for Subcentres. The sites were assigned to the nearest village identified on the Survey of India topographical map. The qualifying sites are described in the table 45 as under:

Table 45: Sites identified for Sub Centres in Kargil District

HF_TYPE	CATCHPOP	CALCTT	VILLAGE	Longitude	Latitude
SC	340	60	Baroro	76° 25' 12.287" E	34° 41' 35.206" N
SC	109	60	Niru	76° 57' 54.612" E	33° 20' 47.513" N
SC	161	60	Marling	77° 09' 29.524" E	33° 12' 03.062" N
SC	128	60	Marmak	76° 14' 26.784" E	34° 40' 30.838" N
SC	104	60	King	77° 12' 43.491" E	33° 04' 57.638" N

6.1.22 Leh District

The results of the geospatial modeling revealed that the catchment area of the existing health facility network covers most of the population as per the existing population coverage norms. However, some of the population is still left unattended. Scaling up the network resulted in plotting of 50 sites in the district. However, sites corresponding to the catchment population less than 100 were not considered and the remaining 6 sites were found qualifying for Subcentres. The sites were assigned to the nearest village identified on the Survey of India topographical map. The qualifying sites are described in the table 46 as under:

Table 46: Sites identified for Sub Centres in Leh District

HF_TYPE	CATCH_POP	CALC_TT	VILLAGE	Longitude	Latitude
SC	311	60	Hundri	77° 23' 33.157" E	34° 40' 32.013" N
SC	113	60	Thang	76° 47' 55.875" E	34° 55' 35.409" N
SC	96	60	Ralma (Tsoka)	78° 57' 24.881" E	33° 16' 30.170" N
SC	113	60	Dumbur	76° 38' 35.503" E	34° 11' 44.324" N
SC	137	60	Chagonchan	76° 56' 31.069" E	34° 52' 02.998" N
SC	149	60	Photoksar	76° 49' 34.108" E	34° 4' 26.521" N

6.2 Accessibility

The software enables to generate travel time grids using the travel time indicated in the attribute table of the health facility point database, speed of travel indicated in traveling scenario text file, landuse / land cover grid and the digital elevation model. In order to know the accessibility of the patients to the nearest basic health facility, a uniform travel time of 60 minutes was used to generate districtwise travel time grids for existing and scaledup networks. The grid consists of varying hues from dark green to light green, each hue representing the extent of travel time taken by the patients. The villages falling in light shade indicates nearness to the facility while as villages falling in the dark green indicates farness to the facility with farthest limit at 60 minutes.

As the geospatial model was run for travel time grid on the basis of the existing health facility network in the district, some settlements/villages /population fell out side the 60 minutes travel time grid. Therefore, the exercise was repeated using the scaled up health facility network. A new travel time grid was generated wherein all the villages get covered within the travel time of 60 minutes. Thus, in the scaledup scenario, the patients can access the basic and nearest health facility within 60 minutes and it is here that an ideal network taking care of the entire population is created.

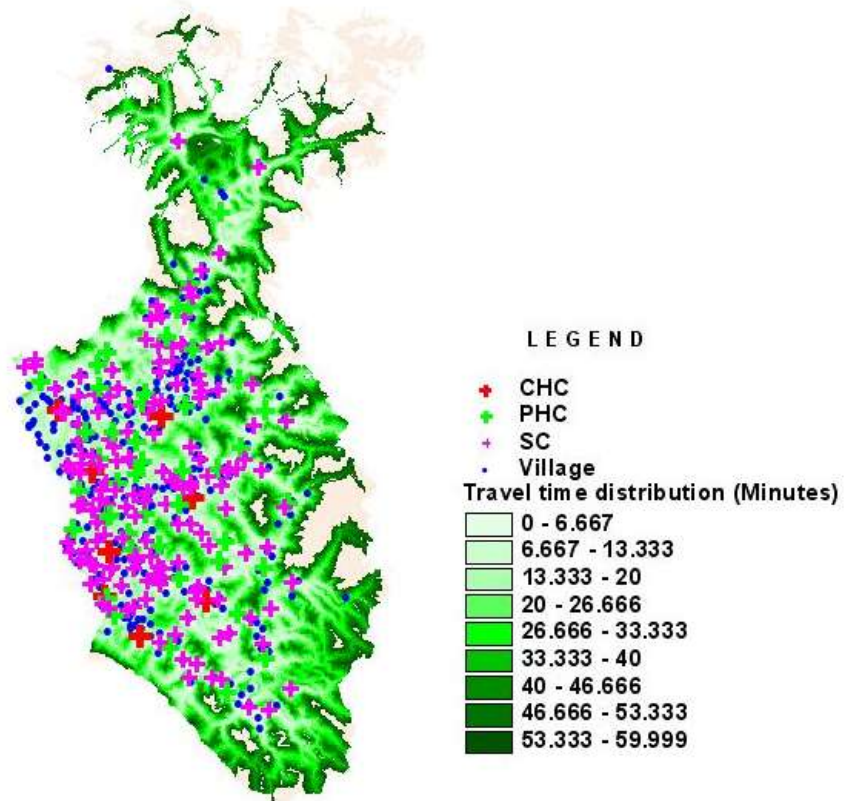


Fig.161: 60 minutes travel time grid and location of villages and existing health facilities in Anantnag district

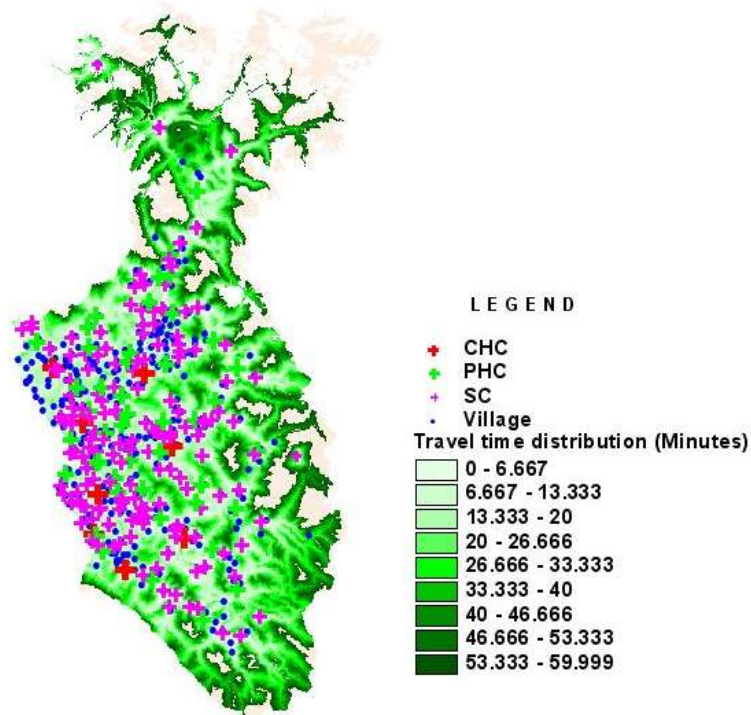


Fig.162: 60 minutes travel time grid and location of villages and scaledup health facilities network in Anantnag district

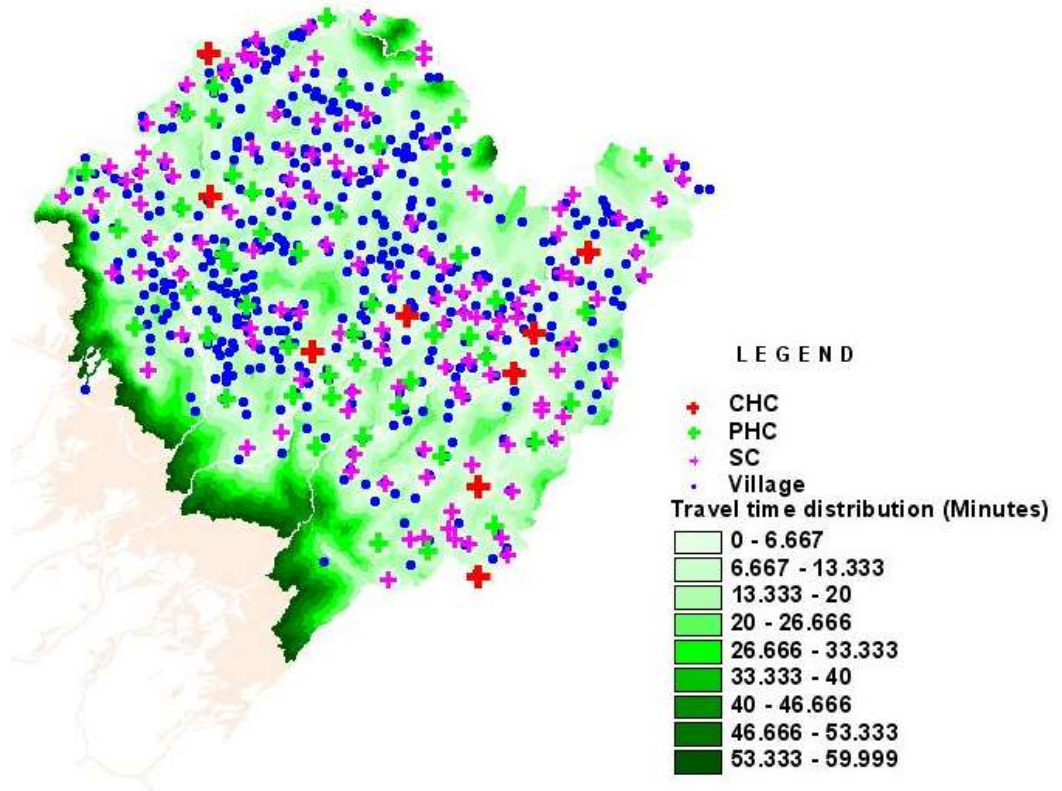


Fig.163: 60 minutes travel time grid and location of villages and existing health facilities network in Badgam district

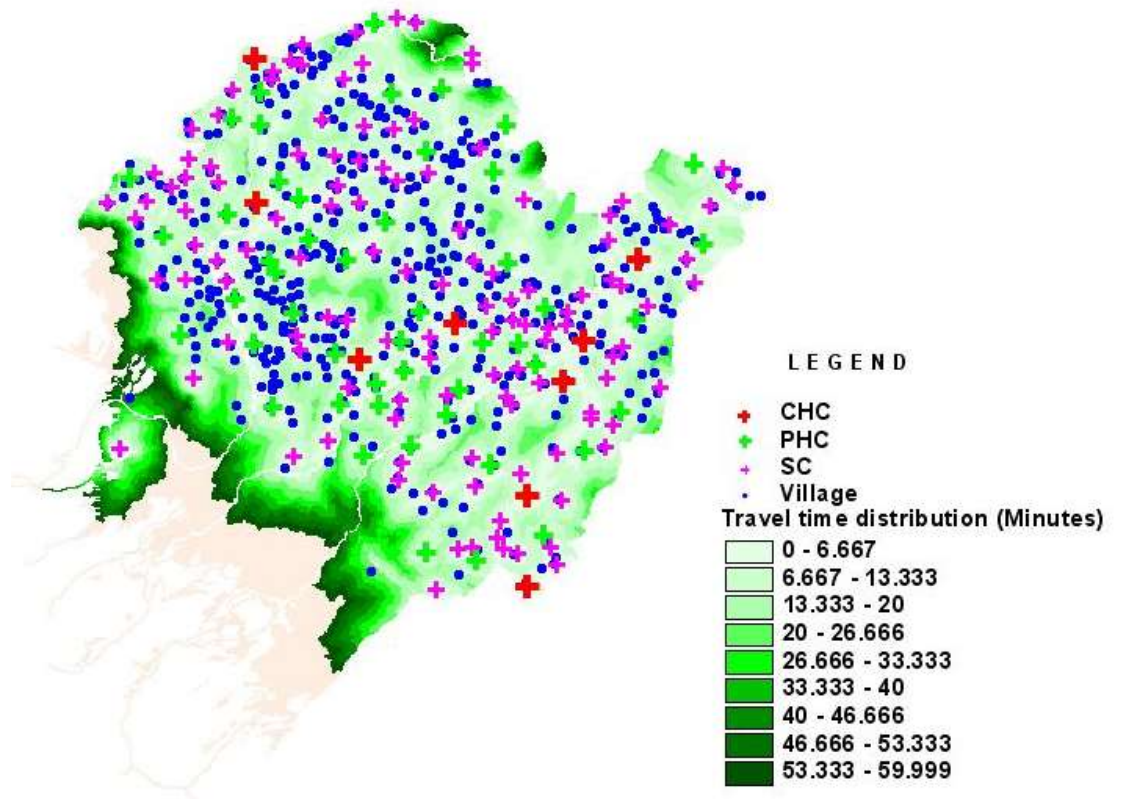


Fig.164: 60 minutes travel time grid and location of villages and scaled-up health facilities network in Badgam district

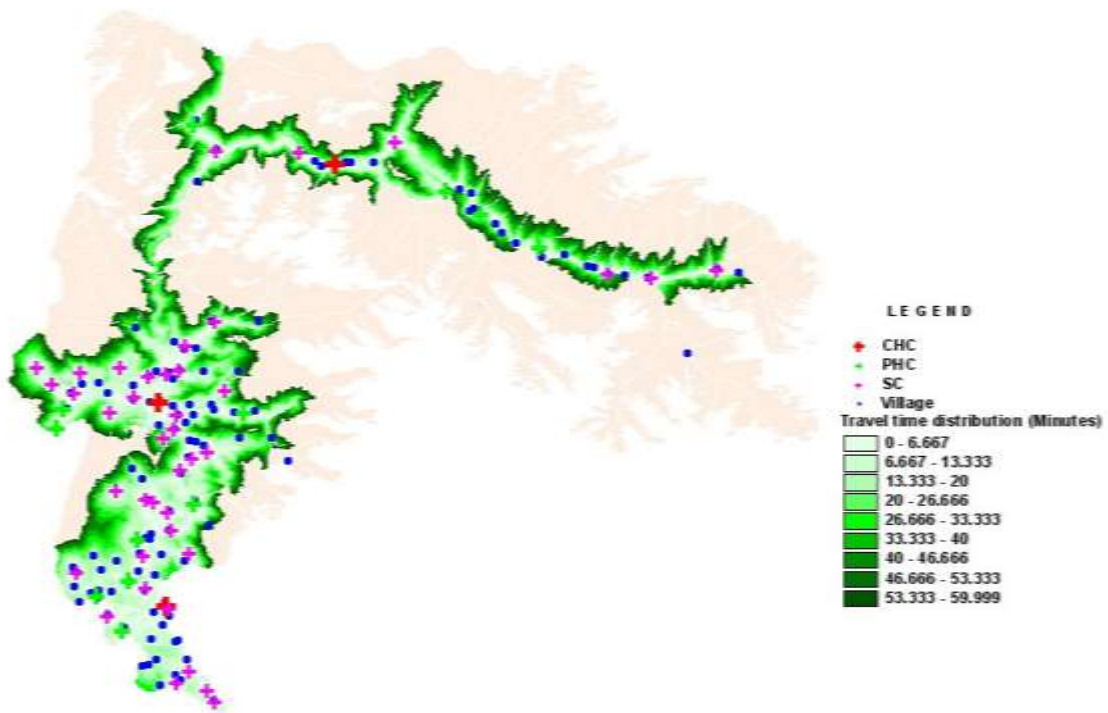


Fig.165: 60 minutes travel time grid and location of villages and existing health facilities in Bandipur district

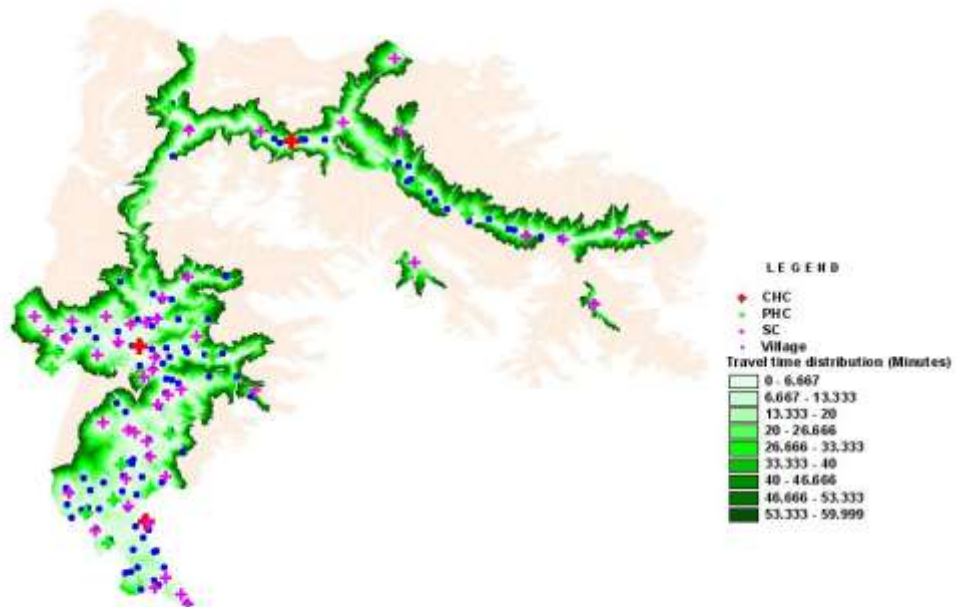


Fig.166: 60 minutes travel time grid and location of villages and scaledup health facilities network in Bandipur district

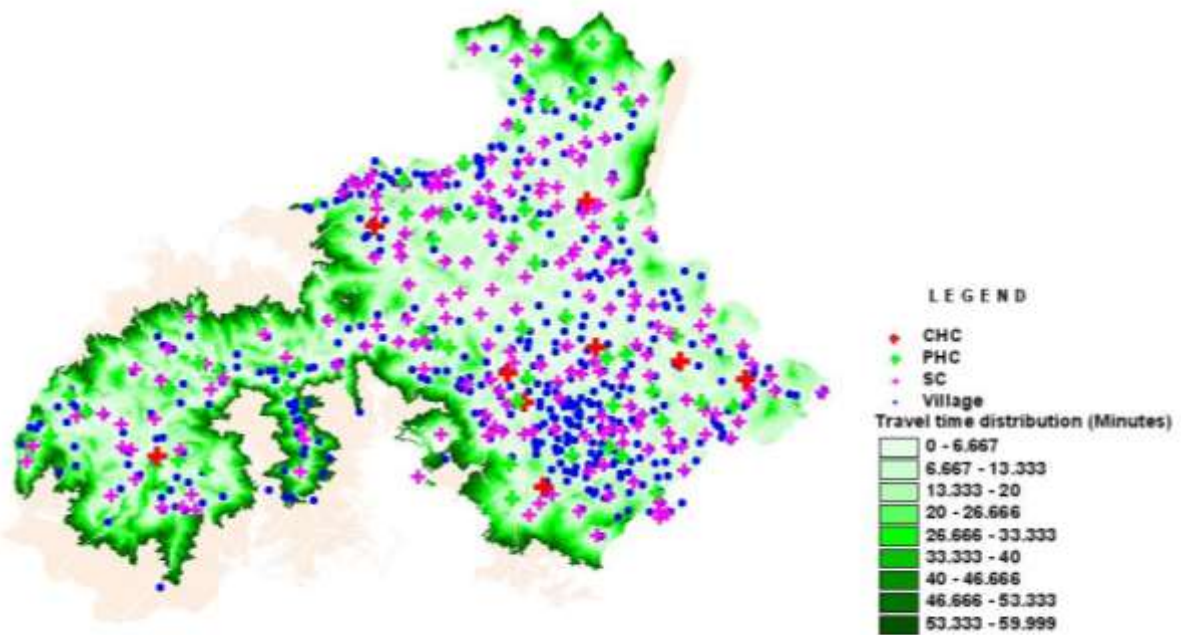


Fig.167: 60 minutes travel time grid and location of villages and existing health facilities in Baramullah district

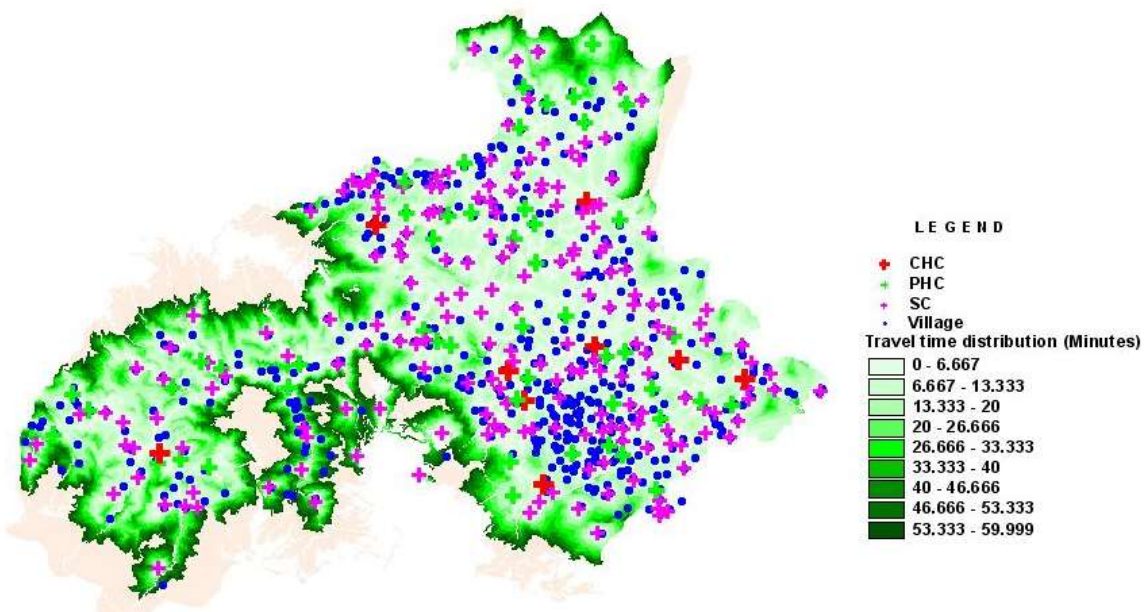


Fig.168: 60 minutes travel time grid and location of villages and scaledup health facilities network in Baramullah district

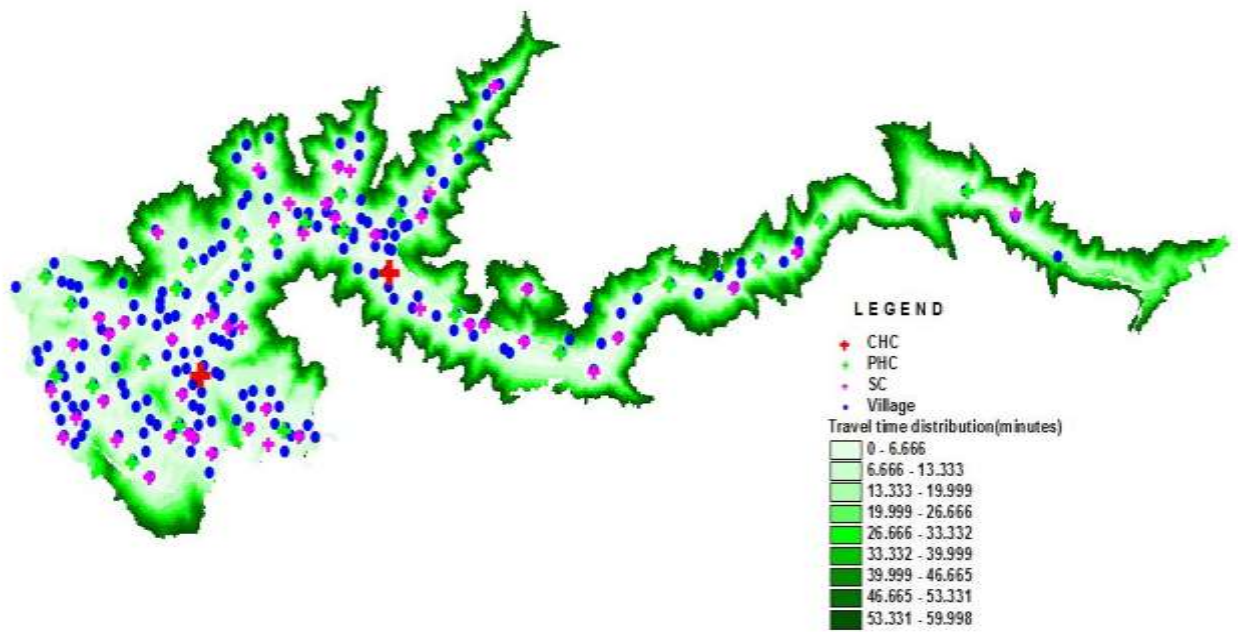


Fig.169: 60 minutes travel time grid and location of villages and existing health facilities in Ganderbal district

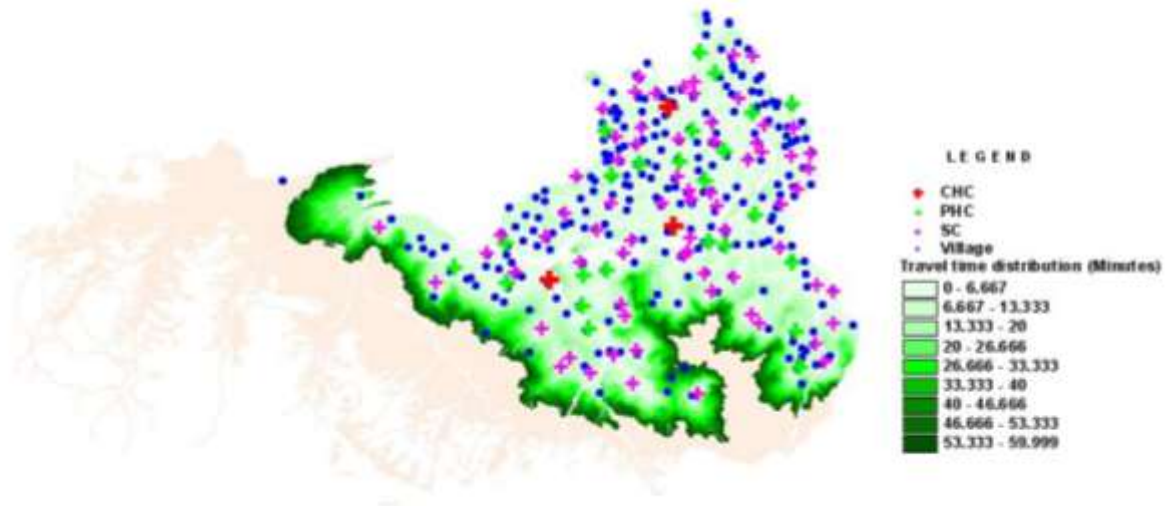


Fig.170: 60 minutes travel time grid and location of villages and existing health facilities in Kulgam district

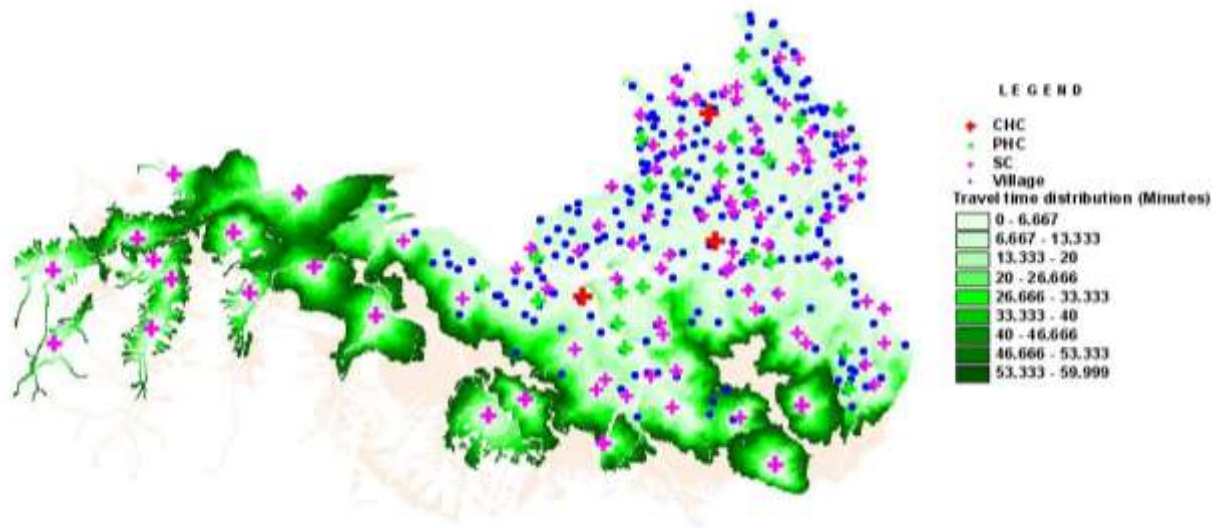


Fig.171: 60 minutes travel time grid and location of villages and scaledup health facilities network in Kulgam district

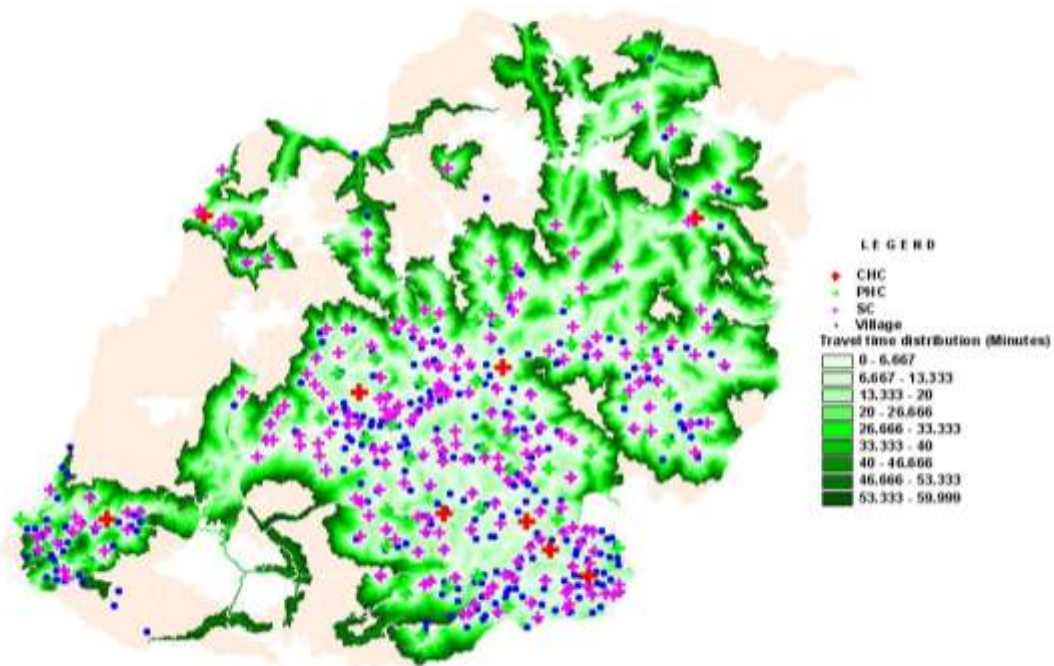


Fig.172: 60 minutes travel time grid and location of villages and existing health facilities in Kupwara district

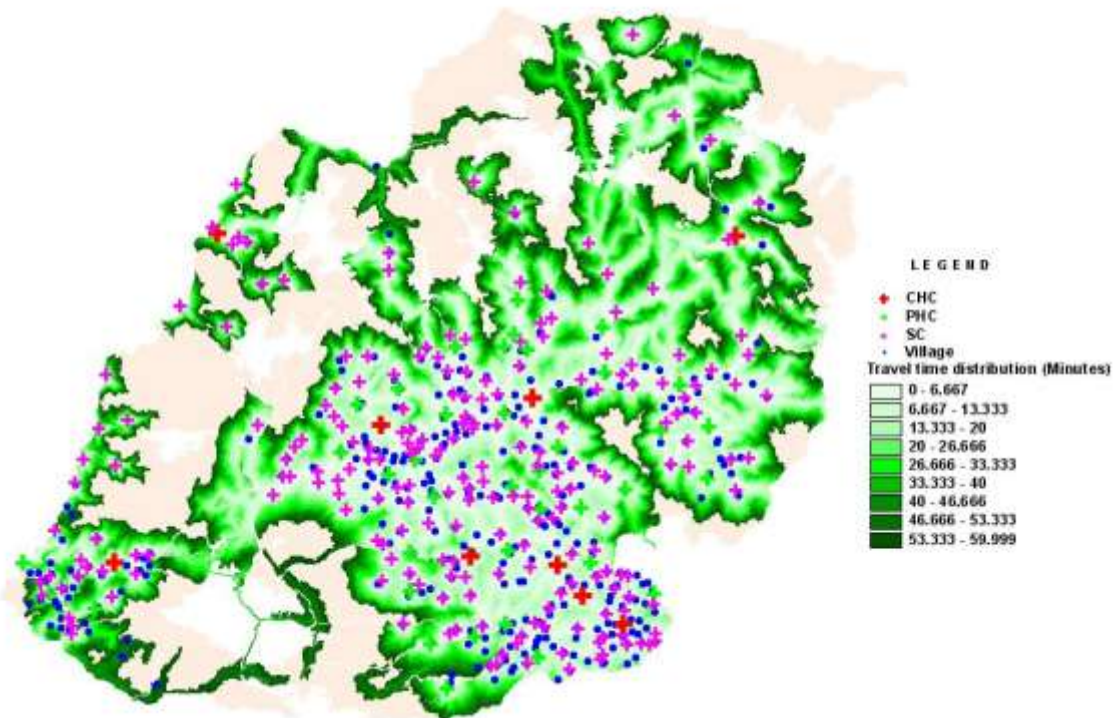


Fig.173: 60 minutes travel time grid and location of villages and scaledup health facilities network in Kupwara district

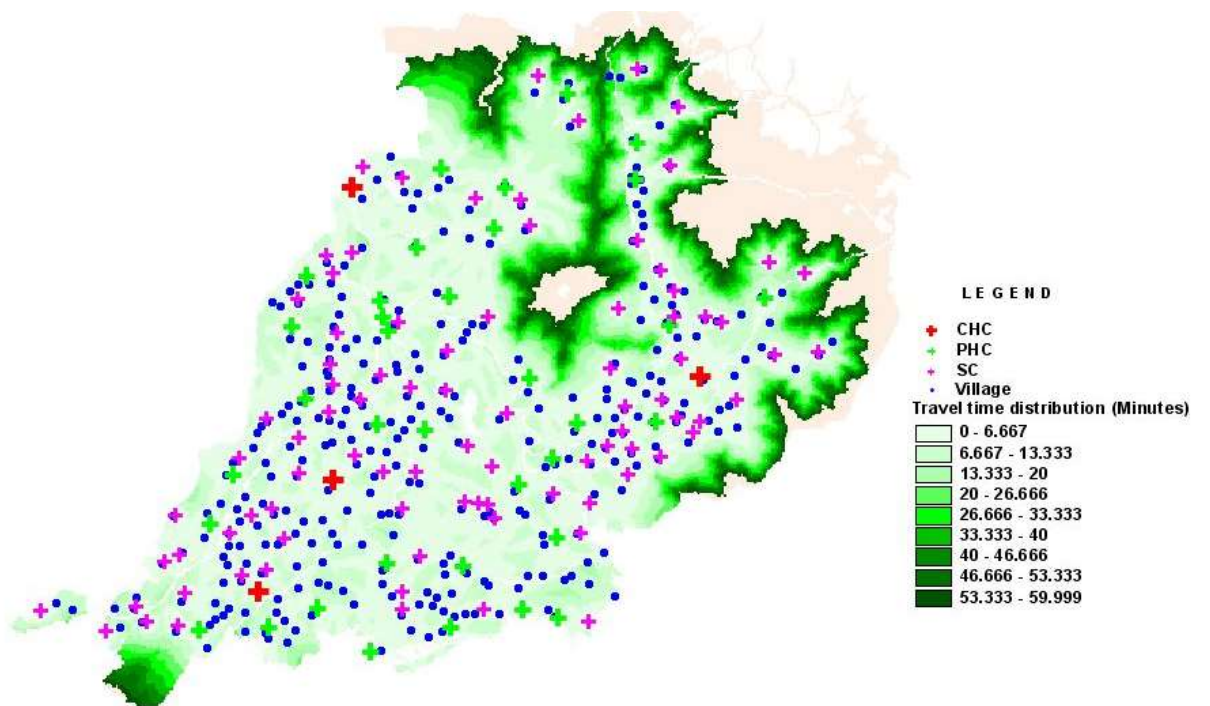


Fig.174: 60 minutes travel time grid and location of villages and existing health facilities in Pulwama district

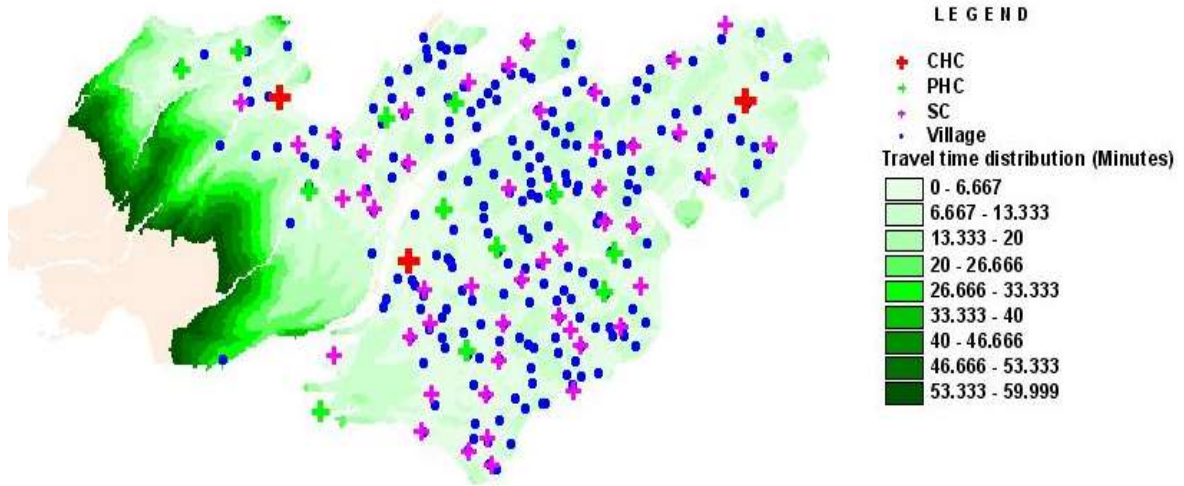


Fig.175: 60 minutes travel time grid and location of villages and existing health facilities in Shopian district

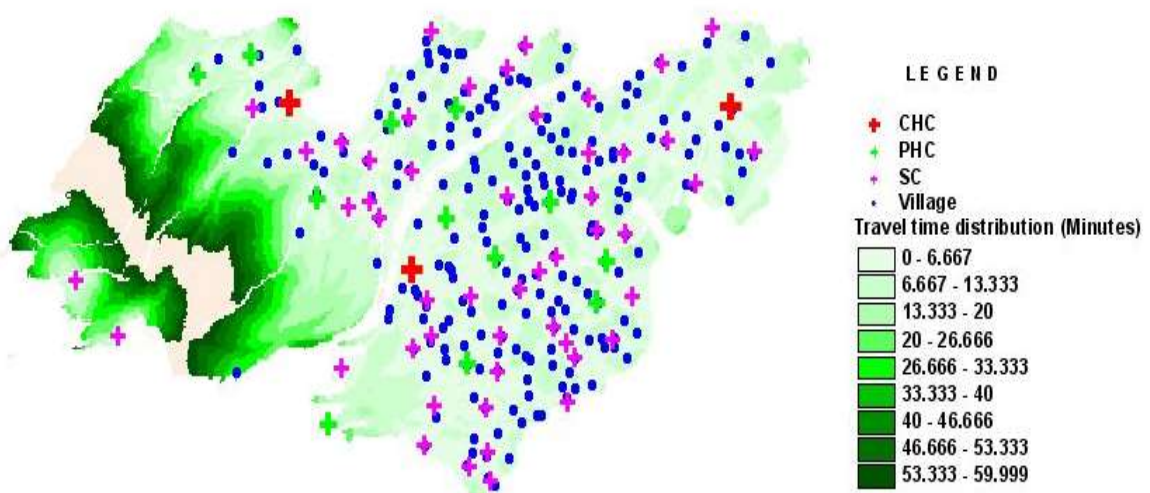


Fig.176: 60 minutes travel time grid and location of villages and scaledup health facilities network in Shopian district

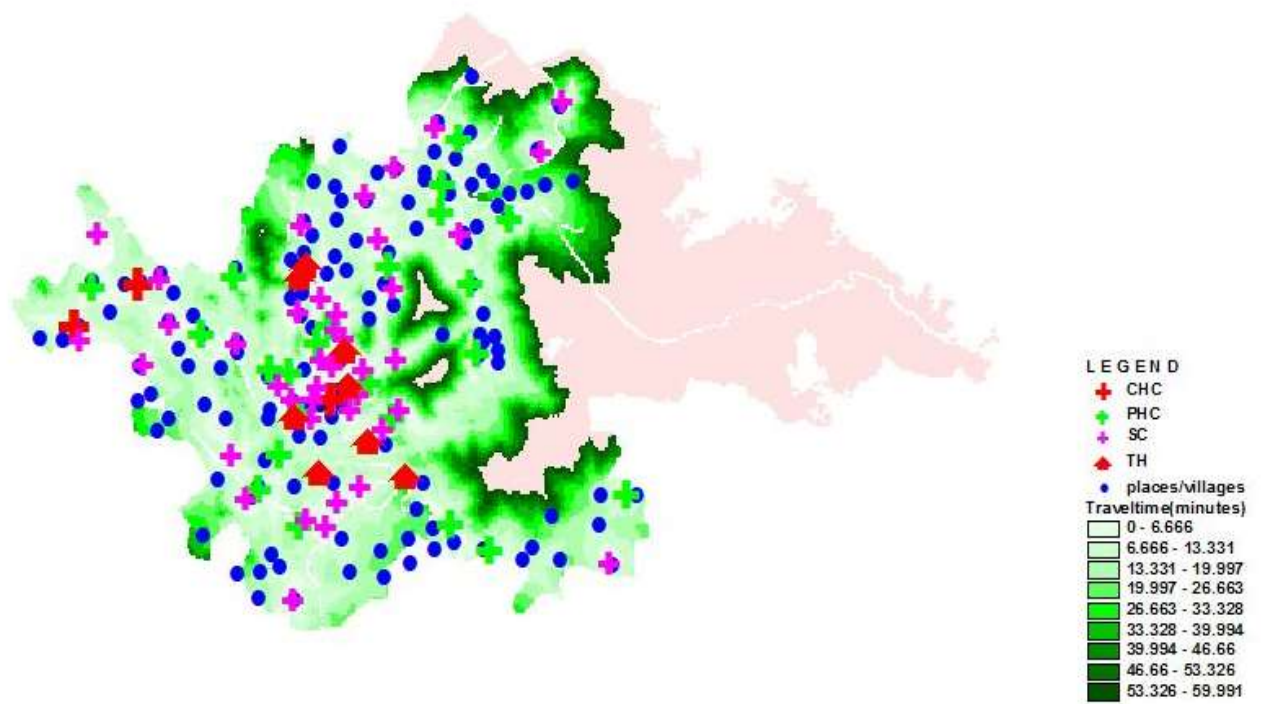


Fig.177: 60 minutes travel time grid and location of villages and existing health facilities in Srinagar district

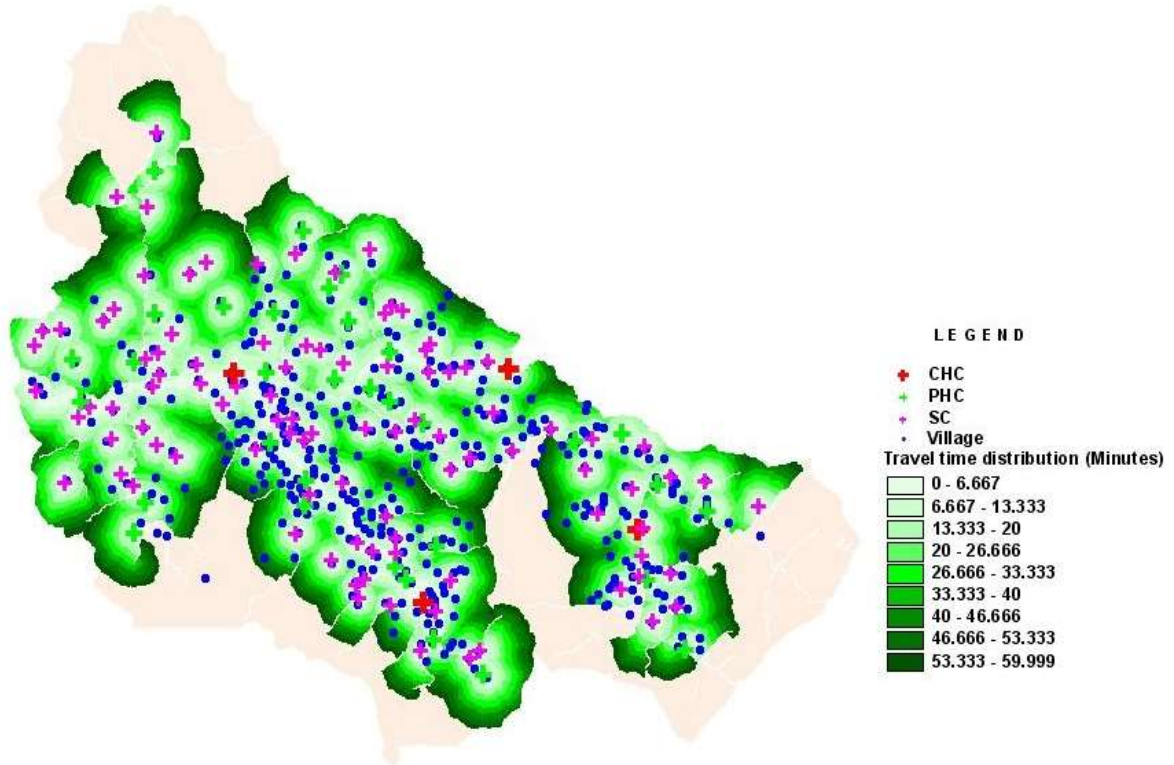


Fig.178: 60 minutes travel time grid and location of villages and existing health facilities in Doda district

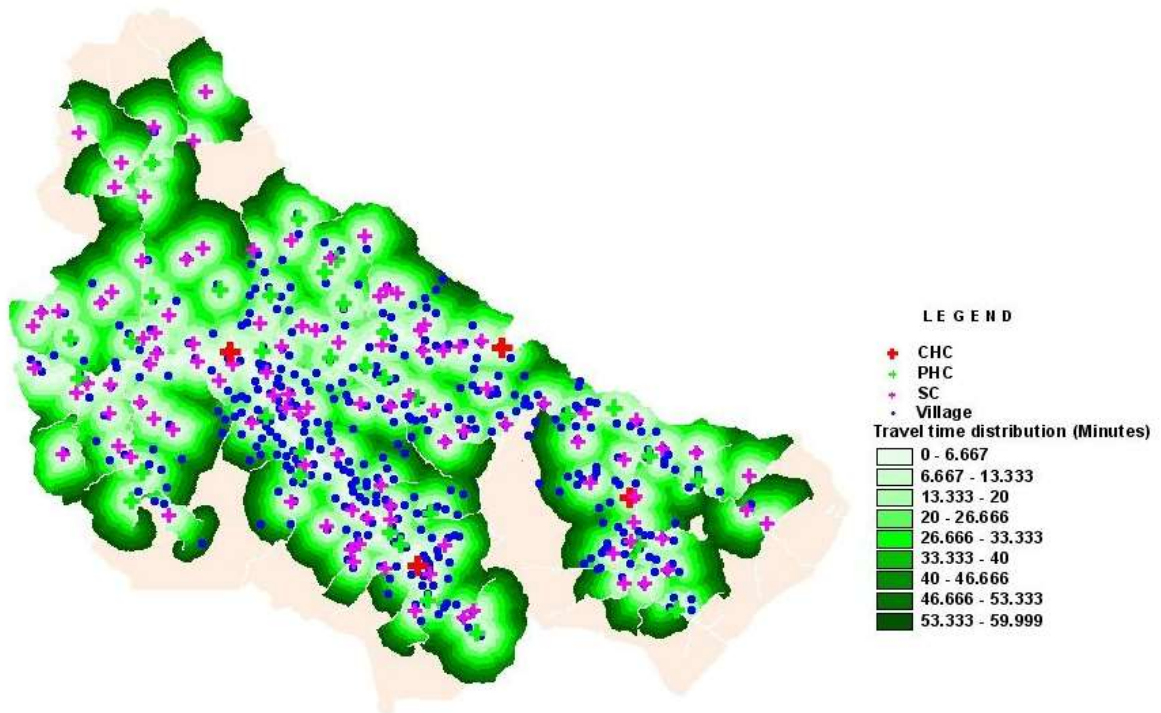


Fig.179: 60 minutes travel time grid and location of villages and scaledup health facilities network in Doda district

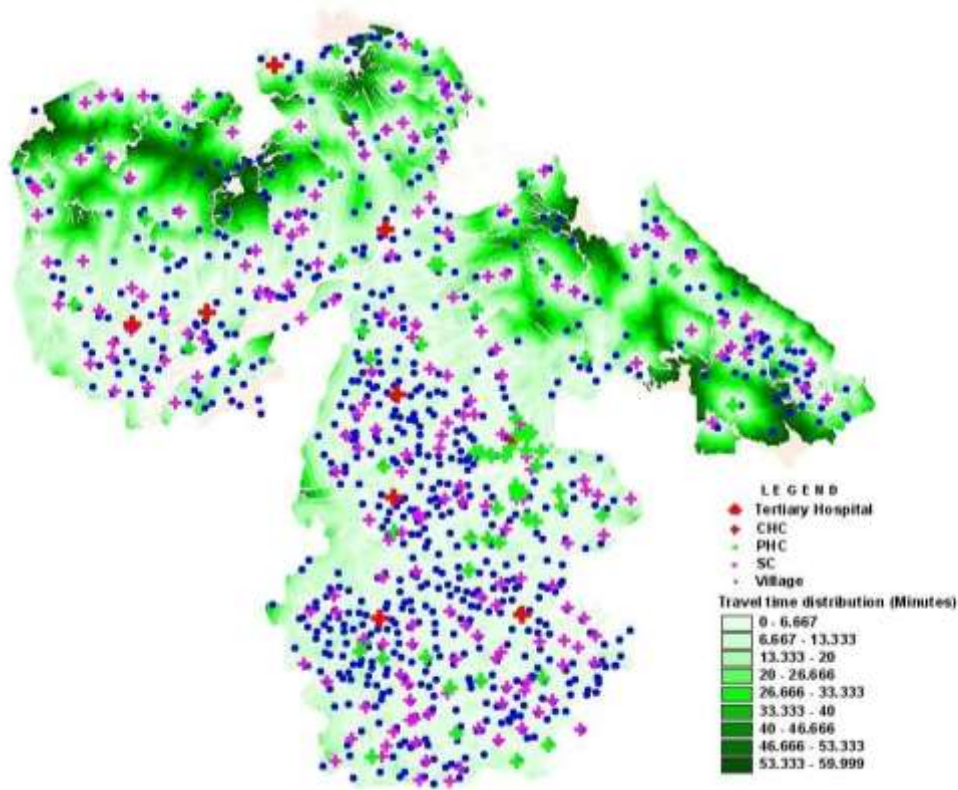


Fig.180: 60 minutes travel time grid and location of villages and existing health facilities in Jammu district

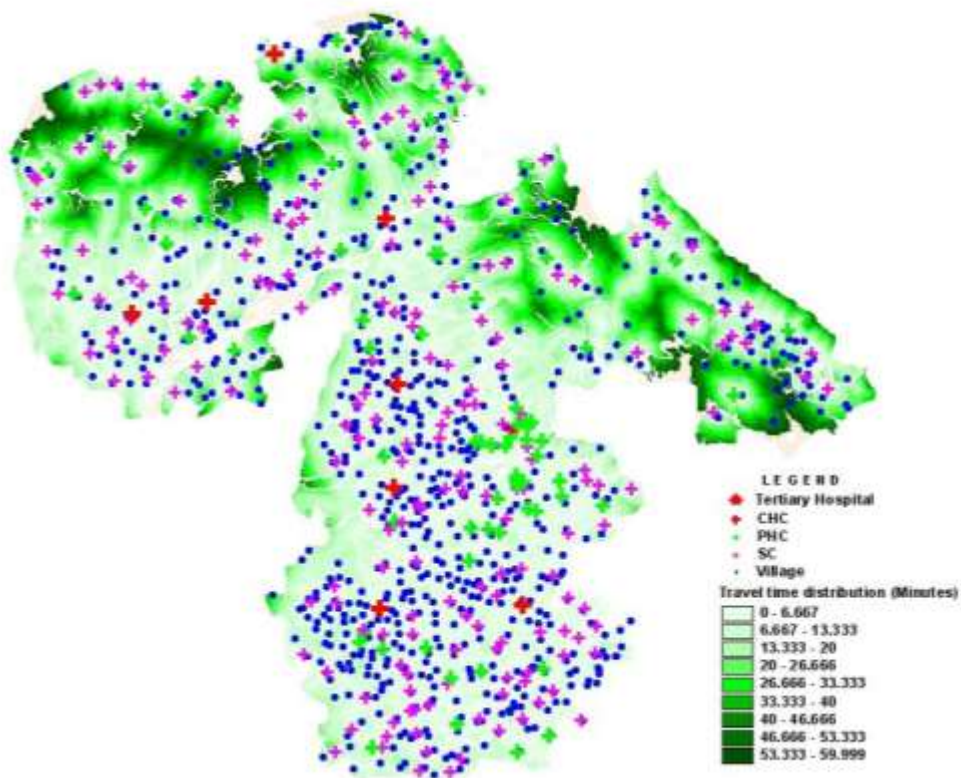


Fig.181: 60 minutes travel time grid and location of villages and scaledup health facilities network in Jammu district

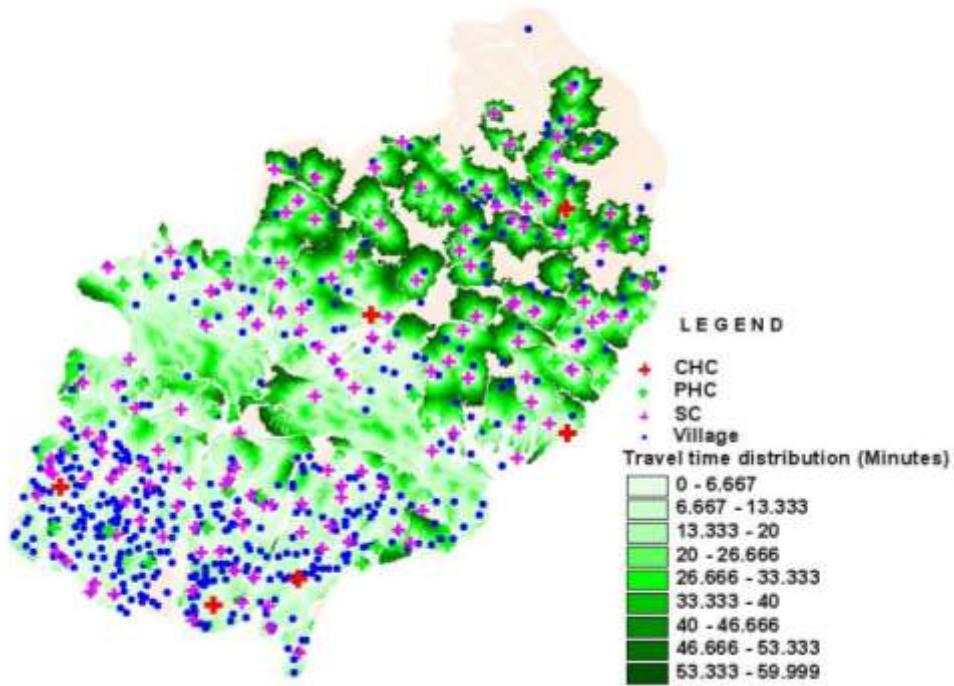


Fig.182: 60 minutes travel time grid and location of villages and existing health facilities in Kathua district

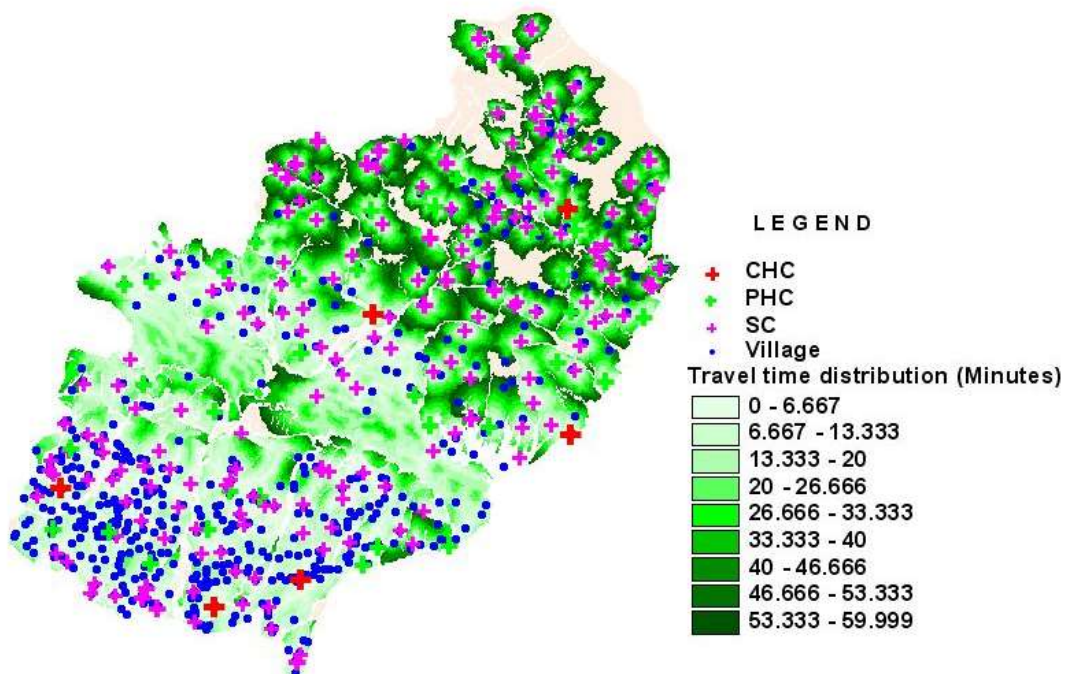


Fig.183: 60 minutes travel time grid and location of villages and scaledup health facilities network in Kathua district

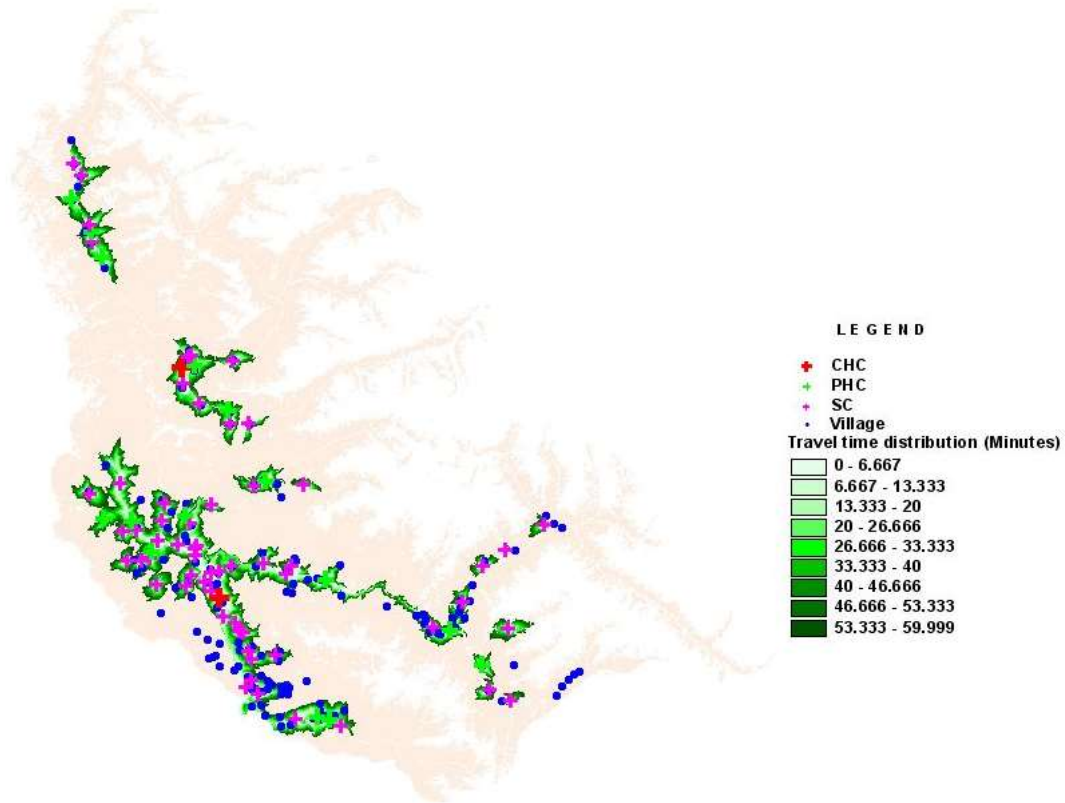


Fig.184: 60 minutes travel time grid and location of villages and existing health facilities in kishtwar district

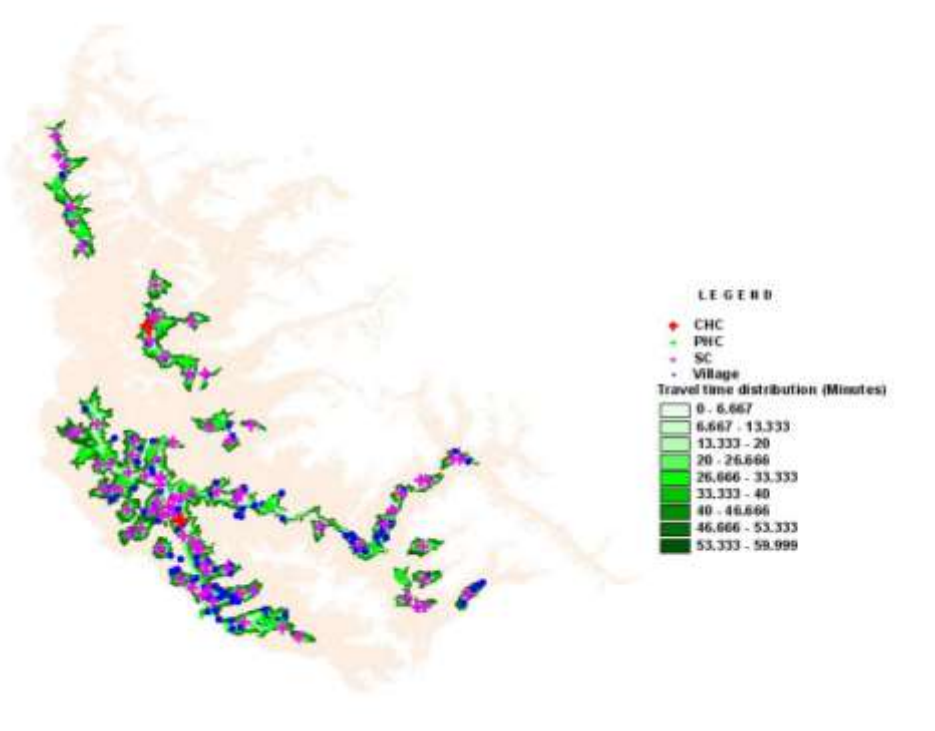


Fig.185: 60 minutes travel time grid and location of villages and scaledup health facilities network in Kishtwar district

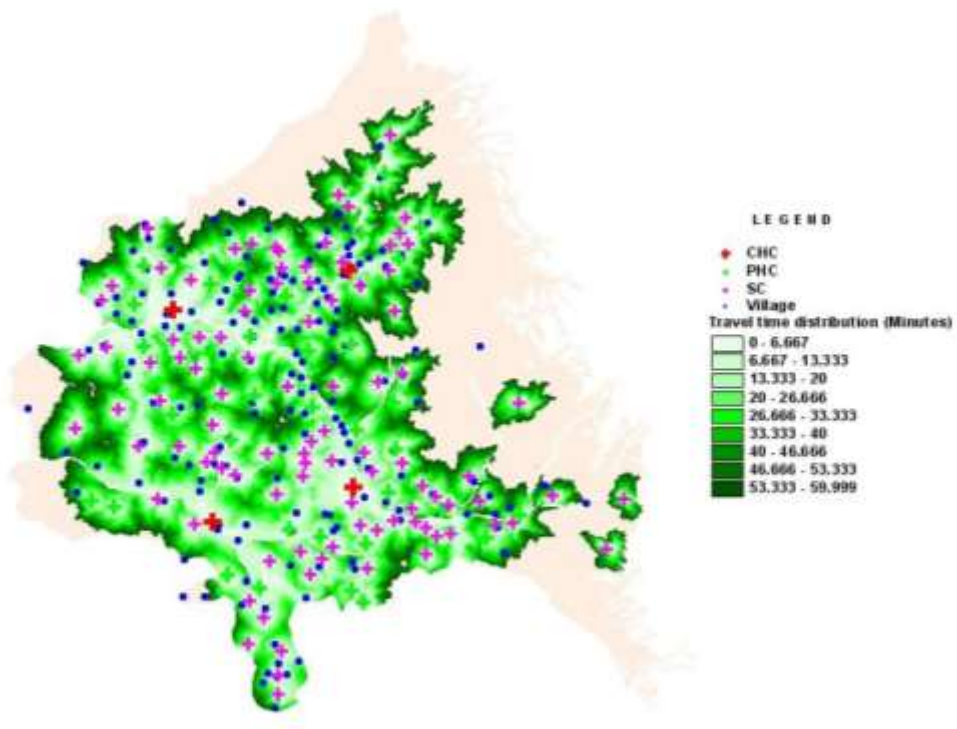


Fig.186: 60 minutes travel time grid and location of villages and existing health facilities in Poonch district

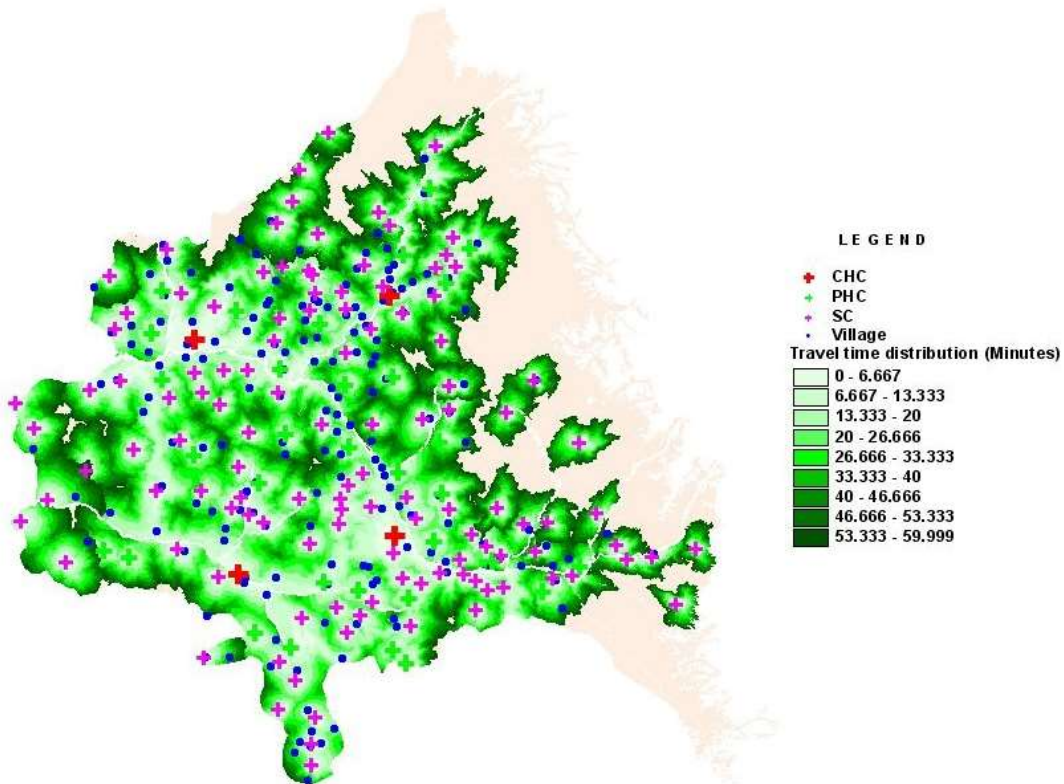


Fig.187: 60 minutes travel time grid and location of villages and scaledup health facilities network in Poonch district

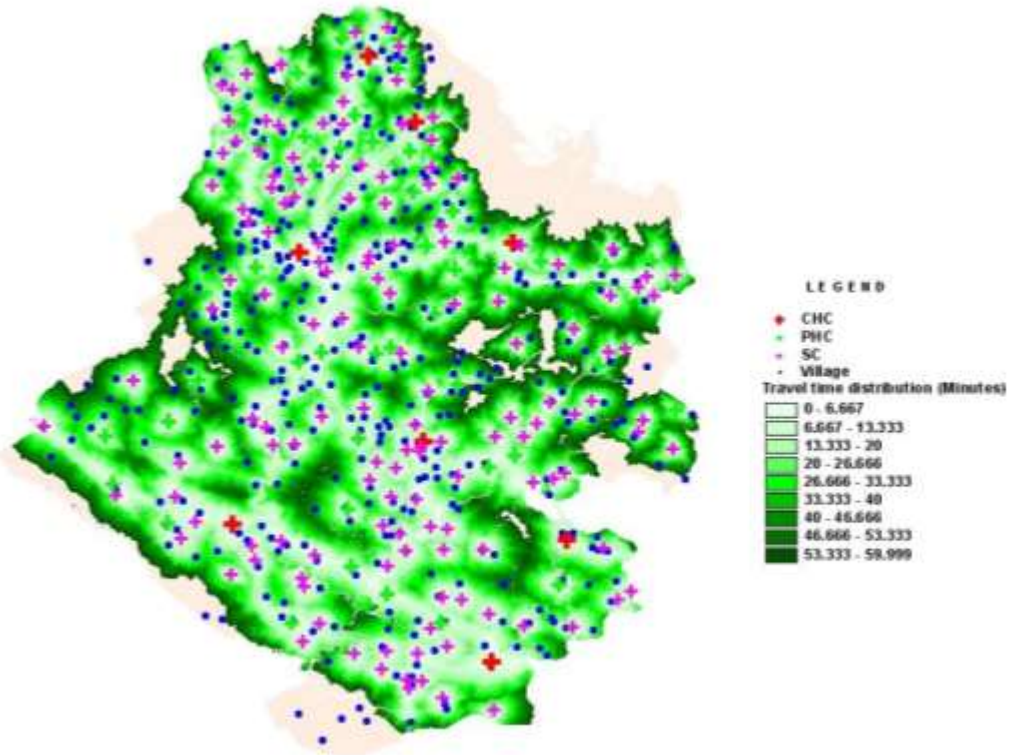


Fig.188: 60 minutes travel time grid and location of villages and existing health facilities in Rajouri district

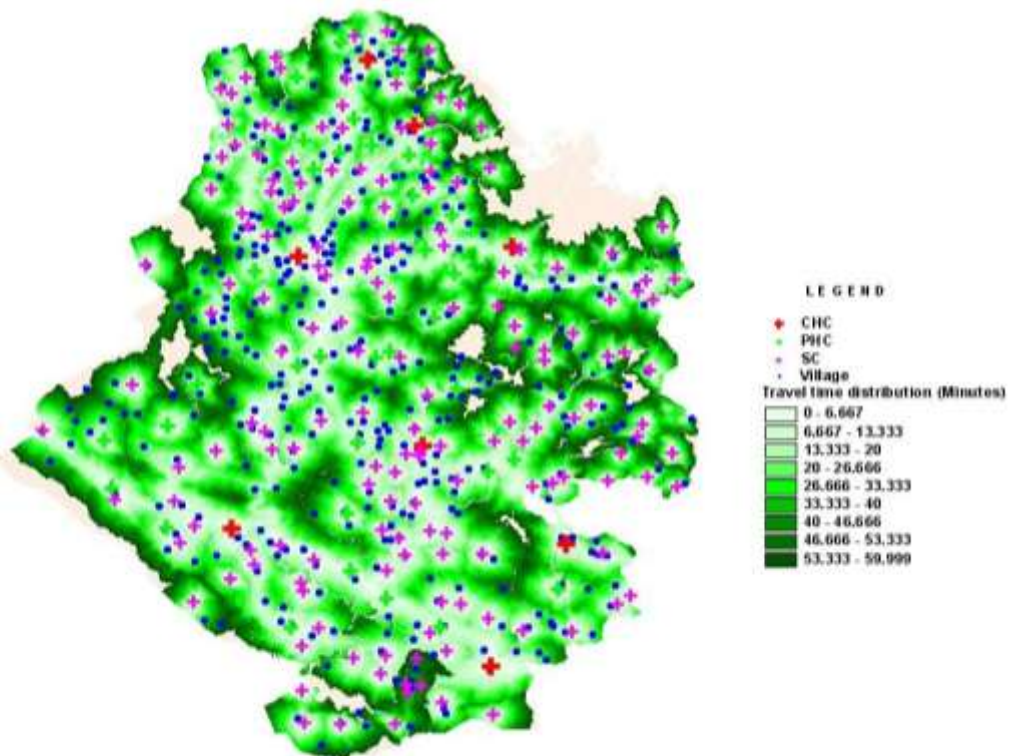


Fig.189: 60 minutes travel time grid and location of villages and scaledup health facilities network in Rajouri district

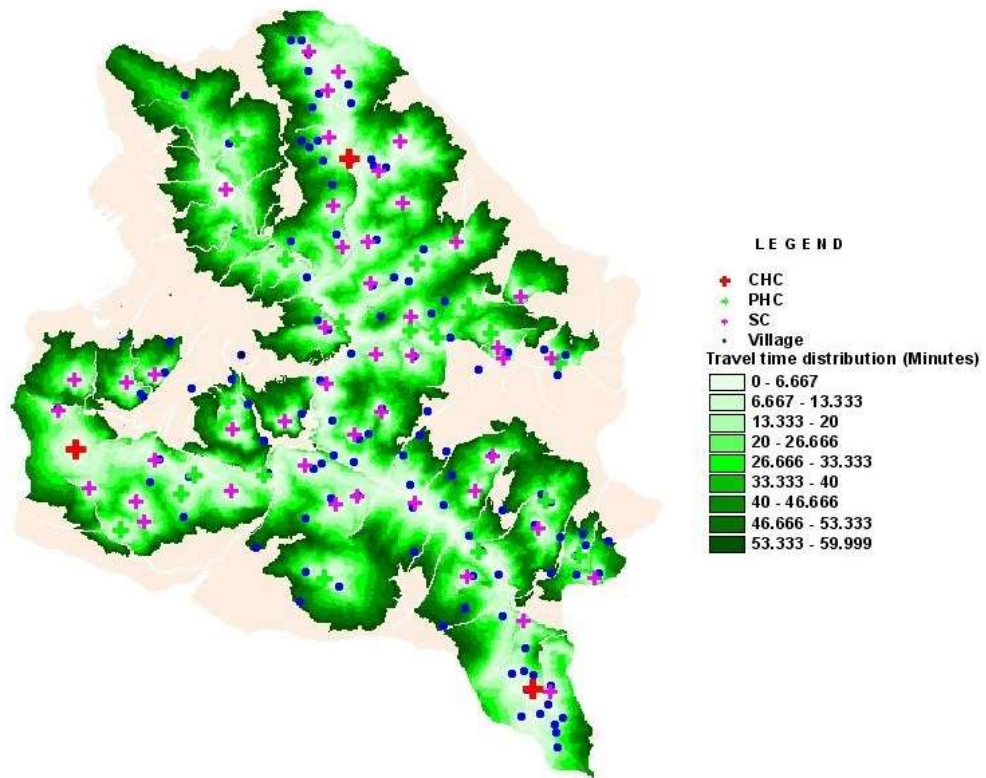


Fig.190: 60 minutes travel time grid and location of villages and existing health facilities in Ramban district

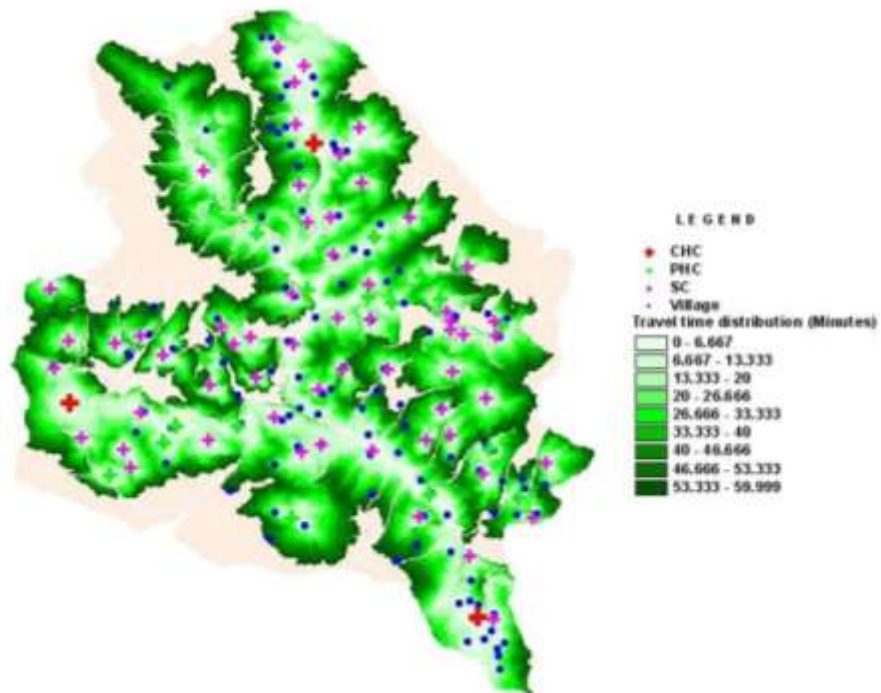


Fig.191: 60 minutes travel time grid and location of villages and scaledup health facilities network in Ramban district

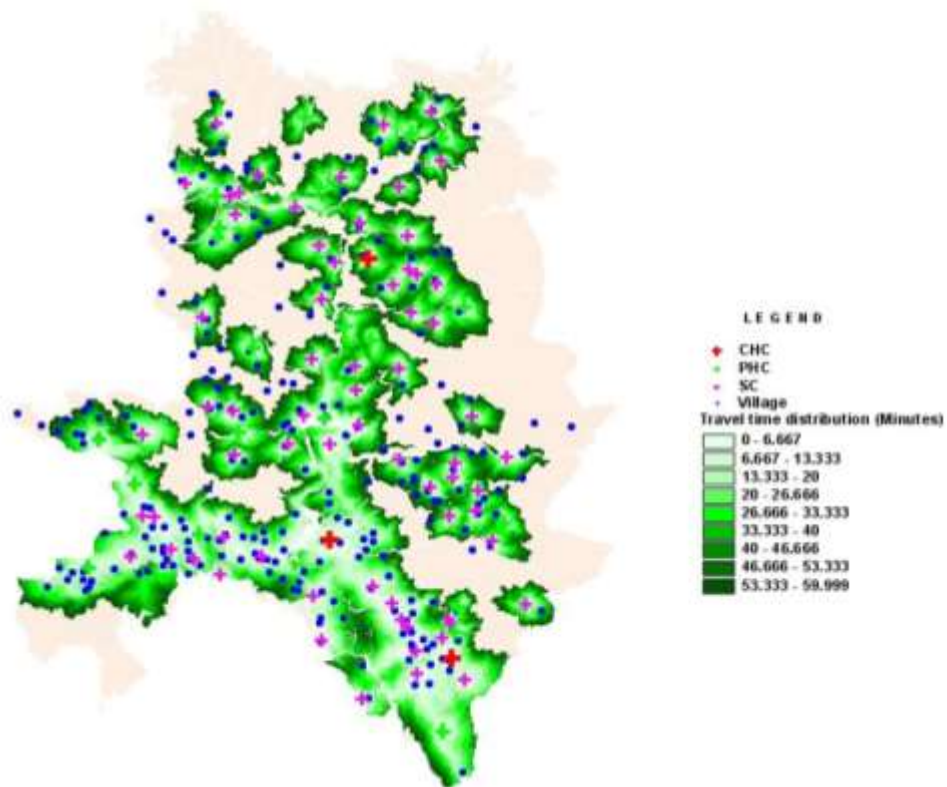


Fig.192: 60 minutes travel time grid and location of villages and existing health facilities in Reasi district

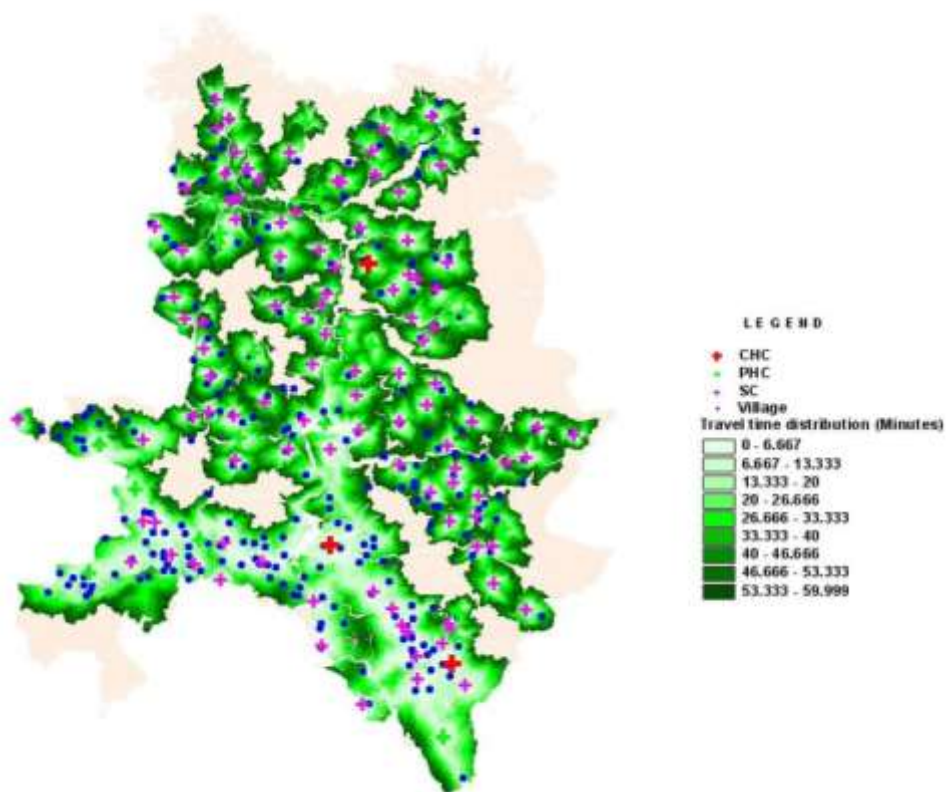


Fig.193: 60 minutes travel time grid and location of villages and scaledup health facilities network in Reasi district

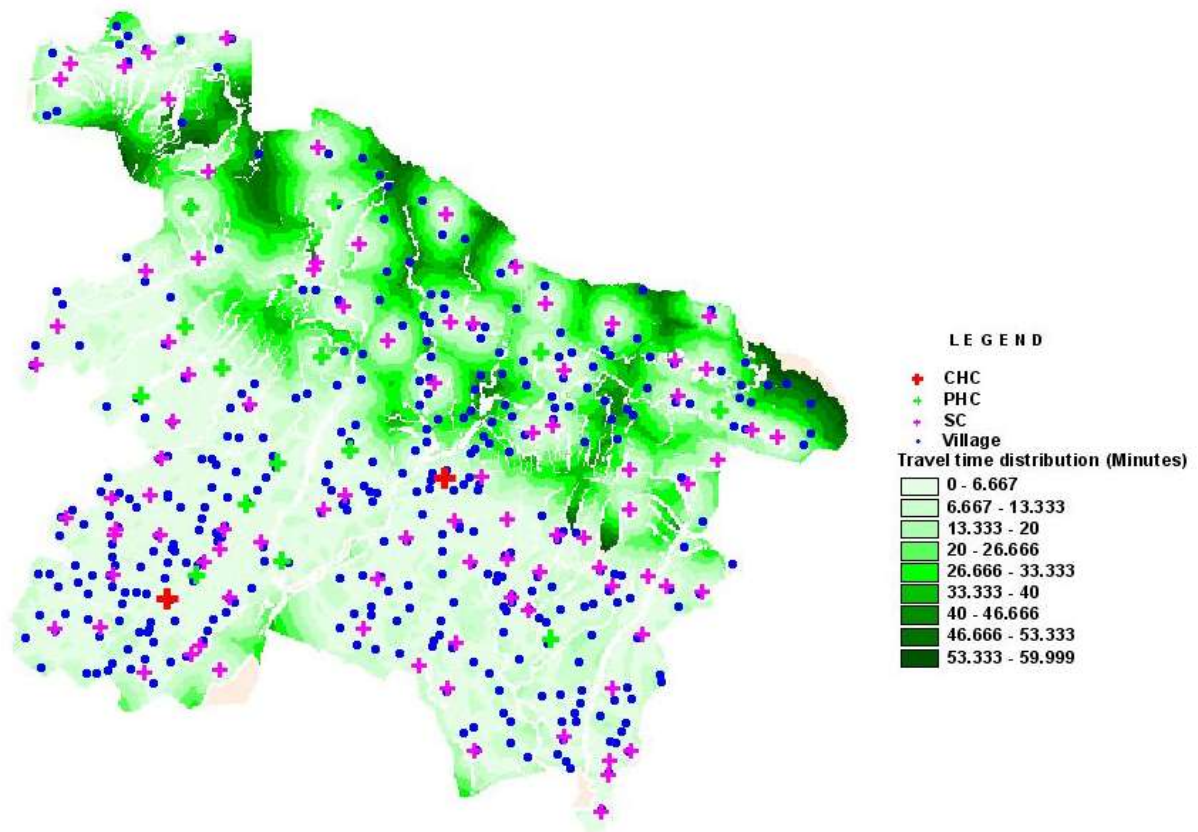


Fig.194: 60 minutes travel time grid and location of villages and existing health facilities in Samba district

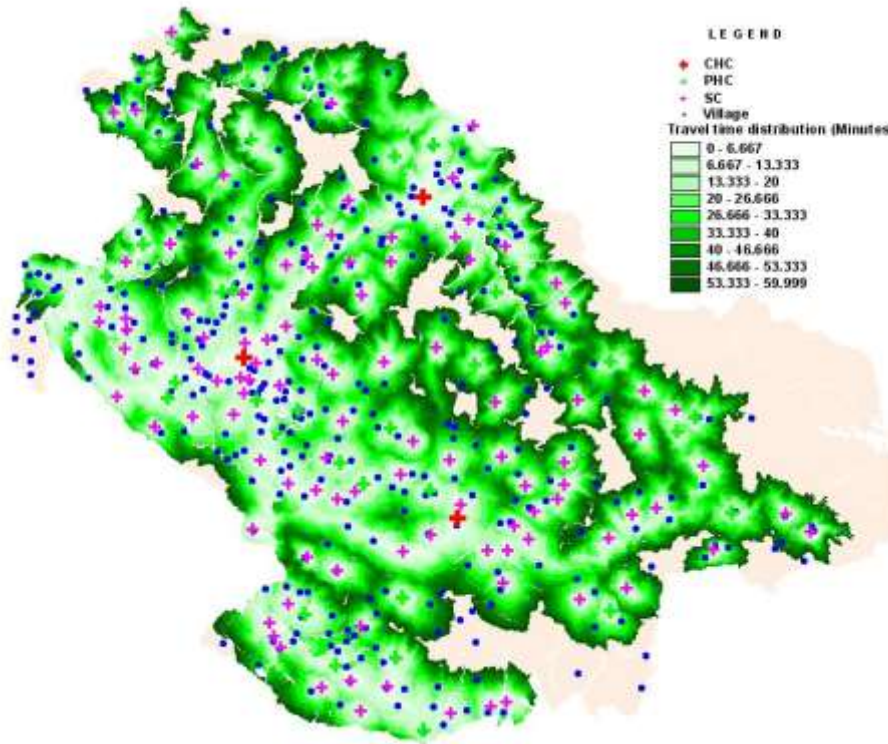


Fig.195: 60 minutes travel time grid and location of villages and existing health facilities in Udhampur district

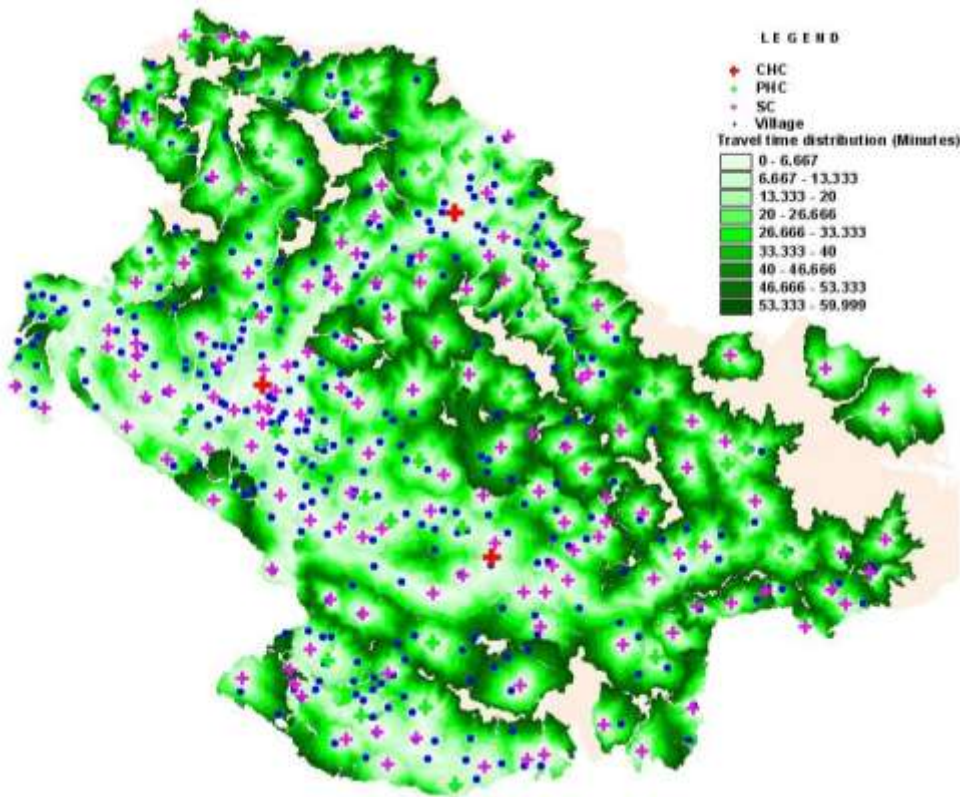


Fig.196: 60 minutes travel time grid and location of villages and scaledup health facilities network in Udhampur district

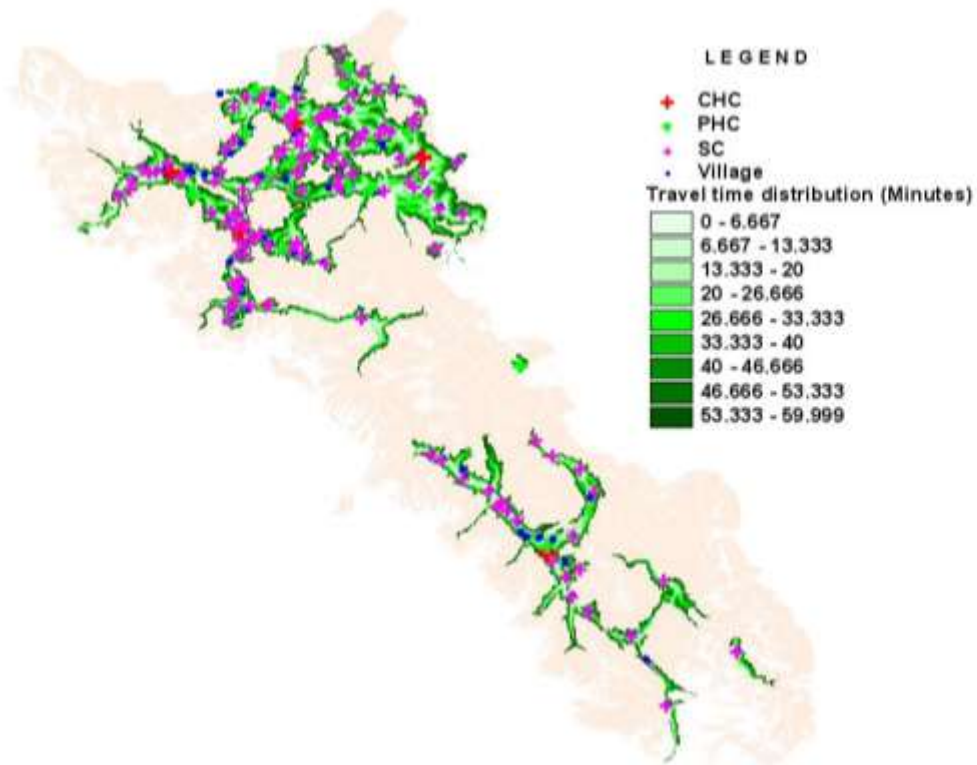


Fig.197: 60 minutes travel time grid and location of villages and existing health facilities in Kargil district

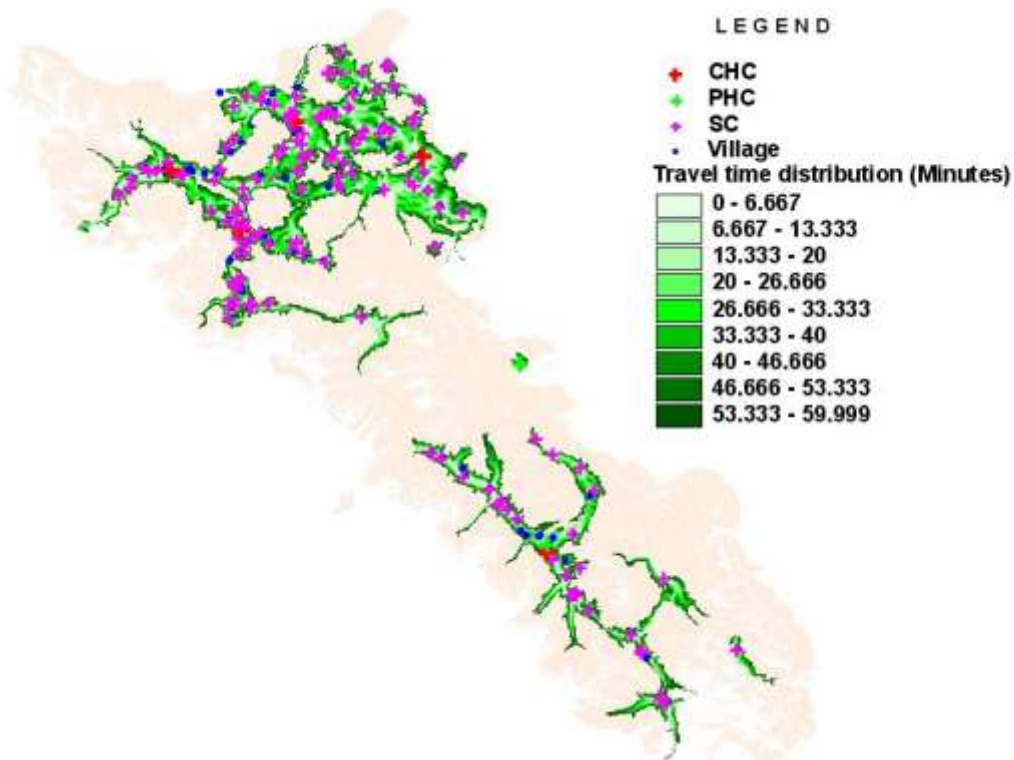


Fig.198: 60 minutes travel time grid and location of villages and scaledup health facilities network in Kargil district

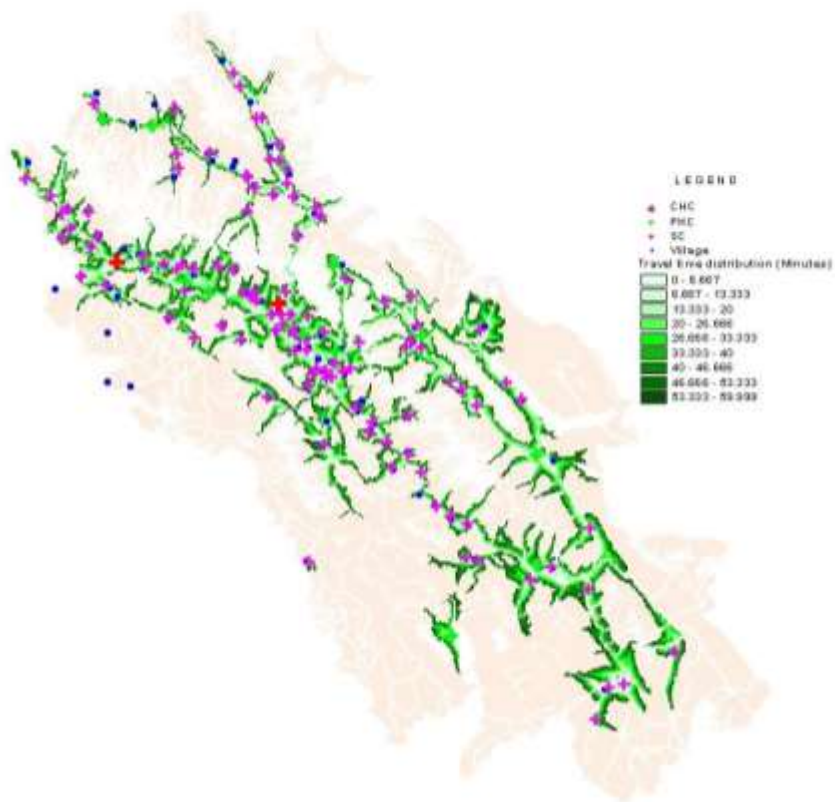


Fig.199: 60 minutes travel time grid and location of villages and existing health facilities in Leh district

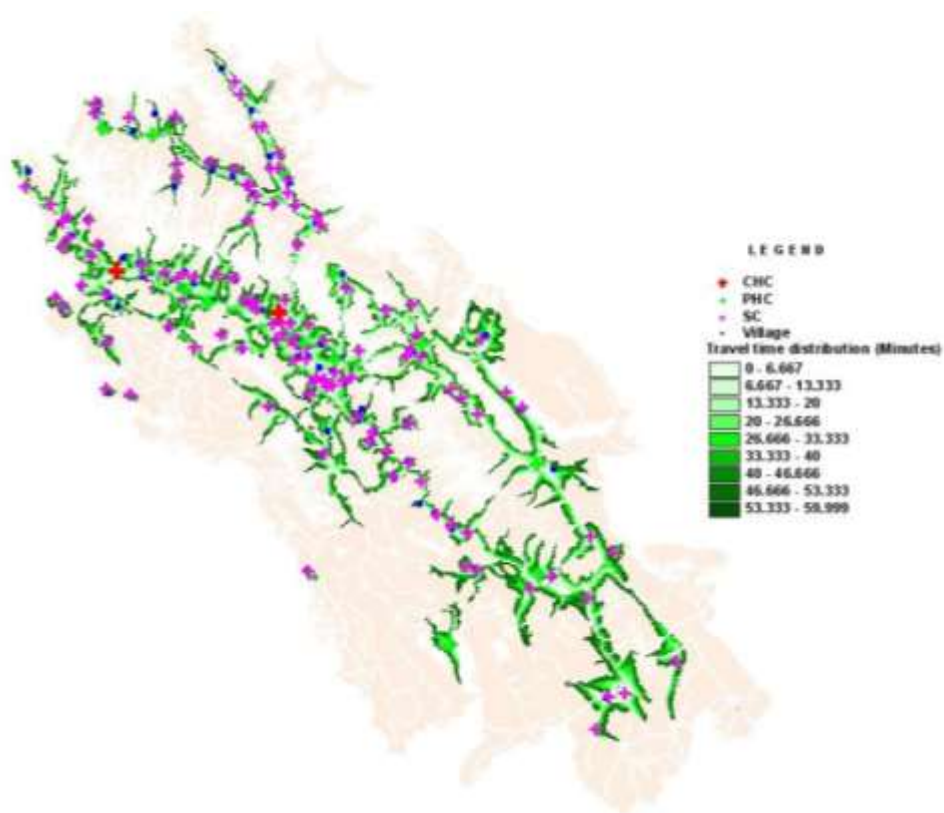


Fig.200: 60 minutes travel time grid and location of villages and scaledup health facilities network in Leh district

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