

**DISTRICT  
DISASTER MANAGEMENT  
ACTION PLAN  
(2020-2021)  
SRINAGAR**

## **Preface**

The present form of District Disaster Management Plan (DDMP) of Srinagar District is an updated version of the first edition. The plan (DDMP) is meant to serve as an operational guide not only for the Officials but also for the common man of the District to know about the disaster prone areas of the district and the kind of precautionary measures to be resorted to at the time of any disaster. Officials and all others alike, working in the district in the Government Departments, NGOs & all other agencies engaged in the service of people must acquaint themselves with these guidelines for effective implementation of disaster plan.

Disasters cannot always be prevented; however, its effects can be reduced through preparedness by way of intensive mock exercises and simulations. The Plan is prepared to help the District Disaster management Authority (DDMA) to focus quickly on the essentials and crucial aspects of both Preparedness and Response in the event of disasters. It is expected that the present form of District Disaster Management Plan (DDMP) for Srinagar District would serve as a useful document for the District Administration, other Government Department officials as well as the general public in the reduction of loss of innocent lives and loss of properties in the eventuality of occurrence of any form of natural calamity. The present document will help in identifying some vulnerable pockets, the safest places where people can take shelter and the people who will be at the helm of affairs at the time of crisis including the standard operating procedure for graded response. For this purpose, cues have been taken from geographical as well as disaster historical data. While all efforts have been made for maintaining accuracy of facts & figures, corrections/suggestion, if any for incorporation in the plan will be gladly accepted.

**Deputy Commissioner  
Srinagar**



MAP OF DISTRICT SRINAGAR

## **Gist of the Management Plan.**

<b>1.</b>	<b>Index</b>
	<ul style="list-style-type: none"><li>a) Introduction/Objective.</li><li>b) Profile of District Srinagar.</li><li>c) History of past Disasters in the District</li><li>d) DDMA Committees.</li><li>e) Powers &amp; functions of District Authority.</li><li>f) Institutional Mechanism.</li><li>g) Contingency plan for early warning relief recovery.</li><li>h) Incident response system.</li><li>i) Incident response system Basic function.</li><li>j) Incident response system structure.</li><li>k) Emergency Operation task forces.</li><li>l) Taskforces control room/EOC Centre.</li><li>m)Taskforces Action plan.</li><li>n) Preparedness measures.</li><li>o) Availability of resources in the District Srinagar.</li><li>p) Details of resources available in the district.</li><li>q) Identification of vulnerable spots &amp; locations in District Srinagar.</li><li>r) Zonal Flood Committees.</li><li>s) Resource inventory.</li><li>t) Operational Guidelines (Do`s &amp; don`t).</li><li>u) Concluding remarks.</li></ul>

a) **INTRODUCTION**

District Srinagar is the summer capital of Jammu and Kashmir State. It is situated in the centre of the Kashmir Valley on the banks of the Jhelum River and is surrounded by five districts. In the north it is flanked by Kargil and Ganderbal in the South by Pulwama, in the north-west by Budgam. The capital city of Srinagar is located 1585 metres above sea level. The city is famous for its gardens, lakes and houseboats. It is also known for traditional Kashmiri handicrafts and dried fruits.

The city is located on both the sides of the Jhelum River, which is called Vyath in Kashmir. The river passes through the city and meanders through the valley, moving onward and deepening in the Dal Lake. The city is famous for its nine old bridges, connecting the two parts of the city.

Hokersar is a wetland situated near Srinagar. Thousands of migratory birds come to Hokersar from Siberia and other regions in the winter season. Migratory birds from Siberia and Central Asia use wetlands in Kashmir as their transitory camps between September and October and again around spring. These wetlands play a vital role in sustaining a large population of wintering, staging and breeding birds. Hokersar is 14 km (8.7 mi) north of Srinagar, and is a world class wetland spread over 13.75 km<sup>2</sup> (5.31 sq mi) including lake and marshy area. It is the most accessible and well-known of Kashmir's wetlands which include Hygam, Shalibug and Mirgund. A record number of migratory birds have visited Hokersar in recent years.

As of 2011 census, Srinagar city's population was 12,19,516 and Srinagar urban agglomeration had 1,236,829 population. Both the city and the urban agglomeration has average literacy rate of approximately 71%, whereas the national average is 74.04%. The child population of both the city and the urban agglomeration is approximately 12% of the total population. Males constituted 53.0% and females 47.0% of the population. The sex ratio in the city area is 888 females per 1000 males, whereas in the urban agglomeration it is 880 per 1000, and nationwide value of this ratio is 940.

**b)****DISTRICT AT A GLANCE**

<b>S. No.</b>	<b>Description</b>	<b>Unit</b>	<b>Magnitude</b>
1.	Geographical area	Sq.Kms	1979
2.	Reporting area	294 Sq.Kms	-
3.	Number of Tehsils	07 No`s	07
4.	Number of Blocks	06 No`s	06
5.	Number of Panchayat Halqas	No`s	10
6.	Number of Villages	No`s	53
7.	No. of inhabited villages	No`s	53
8.	Population	souls	12,54,142
9.	Scheduled Caste Population	No`s	1068
10.	Households	No`s	167448
11.	Average Household size	No`s	-
12.	Occupied residential Houses	No`s	155628
13.	Main Workers	No`s	330547
14.	Marginal workers	No`s	76641
15.	Cultivators	No`s	12228
16.	Agriculture Labourers	No`s	1048
17.	Rainfall	mm	-
18.	Net area sown	Hectares	8469
19.	Gross area sown	Hectares	10792
20.	Total irrigated area	Hectares	7479
21.	Total un-irrigated area	Hectares	3313
22.	Number of operational Holdings	No`s	-
23.	Average land holding	Hectares	-
24.	Livestock Population	No`s	62140
25.	Forest area	Sq.Kms	211.35
26.	No. of co-operatives	No`s	413

## **DISASTER MANAGEMENT**

Despite progress of science and technological advancements, mankind is still unable to come to grips with the fury of nature. Natural disasters continue to have an adverse impact on human life.

The term disaster has come from a French word “Disaster” which is further a combination of two separate terms – “Des” meaning evil or bad and “Astre” meaning star. So in combination it means evil or bad star.

Disaster is a sudden or great misfortune, calamity. Disaster is a sudden devastating event producing great material damage, loss of life and distress.

Disaster disrupts normal pattern of life. It brings hardship and has adverse effect on health. It causes damage to infrastructure, buildings, communication system and other essential services, thereby causing disruption in normal life.

## **TYPES OF DISASTER**

Disaster may be due to human activities or triggered by nature. Disasters triggered by nature can further be classified as wind related e.g. storm, cyclone, tornado, hurricane etc; water related e.g. floods, flash floods, excessive rain etc; geological e.g. earthquakes, snow avalanches, landslides, volcanic eruptions etc; climatic disasters e.g. drought, famine etc.

Manmade disasters are nuclear explosions, industrial accidents, fires of various kinds, accidents of automobiles, trains, aeroplanes, etc.

Disasters can also be classified according to their speed of occurrence. They are mainly of two types \_\_ disasters with rapid onset e.g. earthquake, tornado, cyclone etc and the other type is “creeping” disaster e.g. drought, famine, epidemic, civil unrest etc.

Disasters with rapid onset give little warning before they strike. On the other hand disasters such as drought, famine are relatively more predictable.

Experiencing wide scale destruction, by natural and manmade disasters, has made us realize that though the occurrence of such disasters cannot be completely stopped, a concerted effort can go a long way in minimizing the adverse effects of these events by adopting suitable means.

We do not live in a totally risk free environment. There are hazards which naturally occur and these hazards have the potential to create huge losses. For instance, most parts of J&K come in high seismic zone (zone V] and there remains the hazard of earthquakes. The chance of a particular hazard actually occurring is the risk – a combination of hazard & vulnerability. There are other hazards as well which pose danger to our life & property.

Therefore, there is the need for disaster management. It is possible to reduce the impact of disasters by adopting appropriate disaster mitigation strategies. The disaster mitigation efforts would include.

- i. Minimizing the potential risks by developing early warning system.



- ii. Preparing and implementing development plans to provide resilience to such disasters.
- iii. Improving & developing communication & health care services.
- iv. Having a sound rehabilitation & post disaster reduction strategy.

Disaster Management would broadly involve pre- disaster planning, preparedness, monitoring and relief management capability. Disaster management has become an applied science which, through systematic observation & analysis of a disaster, aims to improve measures related to prevention, mitigation, preparedness, emergency response, & recovery.

In the present times there has been a gradual shift in the concept of dealing with disasters from disaster response to disaster mitigation. Thus it is wiser and feasible to take preventive measures before a disaster rather than attempting to save lives & property after the disaster has already occurred. This goes according to the popular saying “a stitch in time saves nine”.

The disaster control policies have already been introduced by various countries. To quote an example , in China the flooding killed more than 3000 lives in 1998 but similar floods in 1931 & 1954 cost 1,40,000 & 33,000 lives respectively. Japan is now able to cope with earthquakes of high magnitude because of an effective & extensive disaster management approach adopted by the governments over the years. Post-1970, all buildings in Tokyo can withstand earthquakes of magnitudes 7.5 or more on Richter scale. We shall also have to work along these lines.

## **History of past disasters in the District**

Srinagar has been traditionally vulnerable to natural disasters on account of its unique geo-climatic conditions. Floods, Drought, Landslides, Earthquake, Windstorm and Hailstorm have been recurrent phenomena. Accordingly, matrix of past disasters in the District is tabulated below. The threat (risk) and possible impact (Vulnerability) which can be actualized from these hazards ranges from minor impact affecting one area to events impacting larger area.

### **Analysis of Hazard, Risk and Disaster Impact**

<b>S. No</b>	<b>Tehsil</b>	<b>Nayabat</b>	<b>Affected area/Village</b>	<b>Type of Disaster</b>	<b>Month/ Year</b>	<b>Intensity / Impact</b>
01.	<b>South</b>		Chattabal	Flood Earthquake	Sep 2014 Dec 2006	High Moderate
			Habba Kadal	Flood Earthquake	Sep 2014 Dec 2006	High Moderate
			Kothibagh	Flood Earthquake	Sep 2014 Dec 2006	High Moderate
			Sonwar	Flood Earthquake	Sep 2014 Dec 2006	High High
			Bonamsar	Flood Earthquake	Sep 2014 Dec 2006	High High
			Maisuma	Flood Earthquake	Sep 2014 Dec 2006	High Moderate
			Shivpora	Flood Earthquake	Sep 2014 Dec 2006	High High
			Batwara	Flood Earthquake	Sep 2014 Dec 2006	High High
			Nursingh grah	Flood Earthquake	Sep 2014 Dec 2006	High High
			Lakishmanpora	Flood Earthquake	Sep 2014 Dec 2006	High Moderate
			KP Bagh	Flood Earthquake	Sep 2014 Dec 2006	High Moderate
			Aramwari	Flood Earthquake	Sep 2014 Dec 2006	High Moderate
			Gund Chandal	Flood Earthquake	Sep 2014 Dec 2006	High Moderate
			Tashwan	Flood Earthquake	Sep 2014 Dec 2006	Moderate Moderate
			Zaina kadal	Flood	Sep 2014	Moderate

				Earthquake	Dec 2006	Moderate
			Barzulla	Flood Earthquake Hail Storm	Sep 2014 Dec 2006 Sep 2013	Moderate Moderate High
			Gulabpora	Flood Earthquake	Sep 2014 Dec 2006	Moderate Moderate
			Gang Bugh	Flood Earthquake Hail Storm	Sep 2014 Dec 2006 Sep 2013	Moderate Moderate High
02.	<b>Khanyar</b>	Khanyar	Brein	Flood	Sep 2014	High
			Nishat	Flood	Sep 2014	High
			Nowpora	Flood	Sep 2014	High
			Laam	Flood	Sep 2014	High
			Buchwara (Partially)	Flood	Sep 2014	High
			Buchwara	Fire	2016	High
			Aabi Nowpora	Flood	Sep 2014	High
			Karpora	Flood	Sep 2014	High
			Rainawari	Flood	Sep 2014	High
			Nowhatta	Fire	2018	Moderate
			Nowhatta	Flood	Sep 2014	High
			Khanyar	Flood	Sep 2014	High
			Brari Nambal (Partially)	Flood	Sep 2014	High
			SR Gunj	Fire	1990,2018	Moderate
03	<b>Pantha Chowk</b>		Pantha Chowk, Pandrathen, Lasjan, Soitang, Sempora, Ichanumbal, Balhama & Badambagh	Flood	Sep 2014	High
			Khunmoh and Balhama	CloudBurst		Moderate
04	<b>Chanpora</b>	Mehjoor Nagar	Mehjoor Nagar, Rambahg Payeen Nowgam	Flood	1916, 1997, Sep 2014	High
		Natipora	Natipora, Chanpora, Naik Bagh, Budshah Nagar, Azad Basti, Old Natipora, Methan.	Flood	1916, 1997, Sep 2014	Moderate
		Nowgam	Bonpora, Khanday Colony, Advent Colony, Khawaja Bagh, Hajam Mohalla, Gund Chandal	Flood	1916, 1997, Sep 2014	Moderate
		Baghe Mehtab	Baghe Mehtab, Housing Colony,	Flood	1916, 1997, Sep 2014	High

		Laloo Sheshgari Bagh	Laloo Sheshgari Bagh, Gortang, Galwanpora	Flood	Sep 2014	Moderate
		Rawalpura	Rawalpura, Gulzarpura, Goripora, Wanabal	Flood	Sep 2014	Partly
		Nadirgund	Nadirgund, Peerbagh (Al-Afzal Colony).	Flood	Sep 2014	Partly
		Hyderpora	Hyderpora, Chan Mohalla, Gulberg Colony,	Flood	Sep 2014	Partly
		Baghat Barzulla	Baghat Barzulla, Rawatpora, Mandir Bagh, Khalid Abad, Parray Pora, Majeed Bagh	Flood	Sep 2014	Partly
05	Central Shaltang	Zainakote	Shaltang	Flood, Earthquake, Windstorm, Cloudburst, Hailstorm	Sep 2014	Moderate
			Zainakote	Flood, Earthquake, Windstorm, Cloudburst, Hailstorm	Sep 2014	Moderate
			Barthana	Flood, Earthquake, Windstorm, Cloudburst, Hailstorm	Sep 2014	High
			Parimpura	Flood, Earthquake, Windstorm, Cloudburst, Hailstorm	Sep 2014	High
			Chawni Badam Singh	Flood, Earthquake, Windstorm, Cloudburst, Hailstorm	Sep 2014	Severe
			Qamarwari	Flood, Earthquake, Windstorm, Cloudburst, Hailstorm	Sep 2014	High
			Batamaloo	Flood, Earthquake, Windstorm,	Sep 2014	High

				Cloudburst,Ha ilstorm		
			Aarampora,	Flood,Earthqu akeWindstorm, Cloudburst,Ha ilstorm	Sep 2014	High
			Rekh Gund Aksha	Flood,Earthqu akeWindstorm, Cloudburst,Ha ilstorm	Sep 2014	High
			Rampora	Flood,Earthqu akeWindstorm, Cloudburst,Ha ilstorm	Sep 2014	High
			Khushipora	Flood,Earthqu akeWindstorm, Cloudburst,Ha ilstorm	Sep 2014	Severe
			Bagh Nand Singh Bagh Nand Singh	Flood,Earthqu akeWindstorm, Cloudburst,Ha ilstorm	Sep 2014	Severe
			Maloora	Flood,Earthqu akeWindstorm, Cloudburst,Ha ilstorm	Sep 2014	High
			Mujgund	Flood,Earthqu akeWindstorm, Cloudburst,Ha ilstorm	Sep 2014	High
			Lawaypora	Flood,Earthqu akeWindstorm, Cloudburst,Ha ilstorm	Sep 2014	Severe
			Gund Hassi Bhat	Flood,Earthqu akeWindstorm, Cloudburst,Ha	Sep 2014	Moderate

			Panzinara	ilstorm Flood,EarthquakeWindstorm, Cloudburst,Ha ilstorm	Sep 2014	High
			Rambargrah Pratpgrah	Flood,EarthquakeWindstorm, Cloudburst,Ha ilstorm	Sep 2014	Moderate
06	<b>Eidgah</b>	Soura	Buchpora, Umerhair, Devipora	Flood,EarthquakeWindstorm, Cloudburst,Ha ilstorm,Lightin ing, Drought,Fire,B iological Hazards,Mines ,Road Accidents.		
		Zoonimar	Zoonimar,Baghat-i- Shoor,Awanta Bawan, Anchar.	Flood,EarthquakeWindstorm, Cloudburst,Ha ilstorm,Lightin ing,Drough,Fir e,Biological Hazards,Mines ,Road Accidents. Flash Flood.	2014	High
		Zadibal	Nawa Kadak, Noor Bagh, Chandihaar, Eidgah, Baghwanpora, Rathpora, Naikpora.	Flood,EarthquakeWindstorm, Cloudburst,Ha ilstorm,Lightin ing,Drough,Fir e,Biological Hazards,Mines ,Road Accidents. Flash Flood.		
		Safa Kadal	Palpora, Dedmari Bagh,Goripora, Bag hi Lal Pandith, Shunglipora, Kreshbal, Badi Wuddar, Gaggarzoo, Bakshipora, Tangpora, Tankenwaripora, Sangam, Syedpora Achan	Flood,EarthquakeWindstorm, Cloudburst,Ha ilstorm,Lightin		

				ing,Drough,Fir e,Biological Hazards,Mines ,Road Accidents. Flash Flood.		
07	<b>North</b>	Nandpora	Nandpora, Gowmarg	Flood	Sep 2014	High
			Batpora	Flood	Oct 2005 Sep 2014	High
			Habbak Kkushki	Drought	Oct 2005 Sep 2014	High
			Saderbal	Earthquake Windstorm	Jul 2018	High
			Habbak Shanpora	Earthquake Windstorm	Sep 2014 July 2018	High
			Tailbal	Flood, Flash Flood, Cloudburst	Sep 2014 July 2018 July 2018	High
			Gund Tailbal	Flash Flood Cloudburst	July 2018	High
		Harwan	Harwan, Haripora Harwan	Drought Flash Flood Cloudburst	July 2018	Severely
			Mulnar Dara Faker Gujree	Drought Flash Flood Cloudburst	July 2018	Severely
			Mufti Bagh, Murinder bagh	Drought Earthquake Windstorm	Oct 2005 March 2012	Severely
			SaidaPora Balla, Dhnihama	Drought Earthquake Windstorm	Oct 2005 March 2012	Severely
			Pazwalpora Bagh e Chandpora	Earthquake Flash Flood Windstorm	Sep 2014 July 2018	Severely
			Shalimar Chandpora	Earthquake Flood Flash Flood Windstorm	Sep 2014 July 2018	Severely

			Gupt Ganga Banigam	Earthquake Flash Flood Windstorm	Sep 2014 July 2018	Severely
			Chatterhama Ahal	Drought Flash Flood Windstorm	Oct 2005 March 2012	Severely
			Khimber Takiya Sangreshi	Drought EarthQuake Windstorm	Oct 2005 March 2012	Severely
			Burzuhama Inderhama	Windstorm EarthQuake	Oct 2005 March 2012	Severely
			Gasoo Wanihama Payeen	Drought Windstorm EarthQuake	July 2018	Severely



## Flood Scenario in Srinagar

Srinagar has been historically vulnerable to Disasters like Earthquake, Floods, Cloudburst, Snowstorm etc. and September 2014 flood excruciatingly exposed the sheer vulnerability to floods. The table below gives Tehsil and village wise account of vulnerability to floods, especially post 2014 deluge.

<b>S. No</b>	<b>Tehsil</b>	<b>Total Number of Revenue Villages</b>	<b>No. Of villages un-affected</b>	<b>No. Of villages partially affected</b>	<b>No. Of villages Moderately affected</b>	<b>No. Of villages Severely affected</b>
01.	<b>South</b>	<b>18</b>	<b>Nil</b>	<b>Nil</b>	<b>05</b> <ul style="list-style-type: none"> <li>• Tashwan</li> <li>• Zaina kadal</li> <li>• Barzulla</li> <li>• Gulabpora</li> <li>• Gang Bugh</li> </ul>	<b>13</b> <ul style="list-style-type: none"> <li>✓ Chattabal</li> <li>✓ Habba Kadal</li> <li>✓ Kothibagh</li> <li>✓ Sonwar</li> <li>✓ Bonamsar</li> <li>✓ Maisuma</li> <li>✓ Shivpora</li> <li>✓ Batwara</li> <li>✓ Nursingh grah</li> <li>✓ Lakishmanpora</li> <li>✓ KP Bagh</li> <li>✓ Aramwari</li> <li>✓ Gund Chandal</li> </ul>
02.	<b>Khanyar</b>	<b>20</b>	<b>09</b>	<b>01</b> <ul style="list-style-type: none"> <li>• Buchwara</li> </ul>	<b>Nil</b>	<b>10</b> <ul style="list-style-type: none"> <li>• Brein</li> <li>• Nishat</li> <li>• Nowpora</li> <li>• Laam</li> <li>• Aabi Nowpora</li> <li>• Karpora</li> <li>• Rainawari</li> <li>• Nowhatta</li> </ul>

						<ul style="list-style-type: none"> <li>• Khanyar</li> <li>• Brari Nambal</li> </ul>
03	<b>Pantha Chowk</b>	<b>11</b>	<b>03</b>	<b>Nil</b>	<b>Nil</b>	<p><b>08</b></p> <ul style="list-style-type: none"> <li>• Pantha Chowk</li> <li>• Pandrathen</li> <li>• Lasjan</li> <li>• Soitang</li> <li>• Sempora</li> <li>• Ichanumbal</li> <li>• Balhama</li> <li>• Badambagh</li> </ul>
04	<b>Chanpora</b>	<b>09</b>	<b>Nil</b>	04 <ul style="list-style-type: none"> <li>• Rawalpura</li> <li>• Nadirgund</li> <li>• Hyderpora</li> <li>• Baghat Barzulla</li> </ul>	<b>03</b> <ul style="list-style-type: none"> <li>• Natipora</li> <li>• Baghe Mehtab</li> <li>• Lalo Sheshgari Bagh</li> </ul>	<p><b>02</b></p> <ul style="list-style-type: none"> <li>• Mehjoor Nagar</li> <li>• Nowgam</li> </ul>
05	<b>Central Shaltang</b>	<b>18</b>	<b>Nil</b>	<b>Nil</b>	<b>05</b> <ul style="list-style-type: none"> <li>• RambargrahPratpgrah</li> <li>• Gund Hassi Bhat</li> <li>• Lawaypora</li> <li>• Shaltang</li> <li>• Zainakote</li> </ul>	<p><b>13</b></p> <ul style="list-style-type: none"> <li>• Barthana</li> <li>• Parimpura</li> <li>• Qamarwari</li> <li>• Batamaloo</li> <li>• Aarampora</li> <li>• Rekh Gund Aksha</li> <li>• Rampora</li> <li>• Khushipora</li> <li>• Bagh Nand Singh</li> <li>• Maloora</li> <li>• Mujgund</li> <li>• Panzinara</li> <li>• Chawni Badam Singh</li> </ul>
06	<b>Eidgah</b>	<b>26</b>	<b>22</b>	<b>Nil</b>	<b>03</b> <ul style="list-style-type: none"> <li>• Baghat e Shoor</li> </ul>	<p><b>01</b></p> <ul style="list-style-type: none"> <li>• Zoonimar</li> </ul>

					<ul style="list-style-type: none"> <li>• Awantabawan</li> <li>• Anchar</li> </ul>	
07	<p><b>North</b></p> <p>(Notably this area is mostly affected by windstorms and cloudburst. Hence, Susceptible to flash floods repeatedly )</p>	<b>35</b>	<b>20</b>	<b>Nil</b>	<b>Nil</b>	<p><b>15</b></p> <ul style="list-style-type: none"> <li>• Harwan</li> <li>• Haripora Harwan</li> <li>• Mulnar</li> <li>• Dara</li> <li>• Faker Gujree</li> <li>• Pazwalpora</li> <li>• Bagh e Chandpora</li> <li>• Shalimar</li> <li>• Chandpora</li> <li>• GuptGanga</li> <li>• Banigam</li> <li>• Nandpora</li> <li>• Habbak Kkushki</li> <li>• Tailbal</li> <li>• Gund Tailbal</li> </ul>

## **DISTRICT DISASTER MANAGEMENT AUTHORITY AND OTHER COMMITTEES**

The District Disaster Management Authority is in place, as per SRO 138 dated.23-04-2007. However, it has been reframed vide SRO-225 dated.29-05-2017 of Disaster Management, Relief, Rehabilitation & Reconstruction Department, J&K and the same has been reflected in the updated District Disaster Management Plan. In addition to the District Disaster Management Committees Block Level as well as Zonal Level Committees have also been put in place.

### **District Disaster Management Authority**

1.	Deputy Commissioner	Chairman
2.	Additional Deputy Commissioner	Member/CEO
3.	Superintendent of Police	Member
4.	Chief Medical Officer	Member
5.	Superintending Engineers of R&B, PHE,I&FC, EM&RE,MED	Member
6.	Assistant Director FCS&CA	Member
7.	Deputy Controller Civil Defence	Member
8.	Deputy Director Fire & Emergency Services	Member
9.	District Disaster Management Officer (HQA to DC)	Member
10.	Executive Officer Municipal Committee	Member
11.	In-Charge SDRF Component	Member

**BLOCK/TEHSIL LEVEL DISASTER MANAGEMENT COMMITTEE**

1.	Tehsildar	Convenor
2.	Block Medical Officer	Member
3.	Child Development Project officer	Member
4.	I/C Police Station	Member
5.	I/C SDRF Component	Member
6.	Tehsil Supply Officer	Member
7.	Jr. Engineer R&B, PDD, RDD, I&FC, PHE	Member
8.	Municipal Ward Officer	Member
9.	Civil Defense Warden/Home Guards	Member
10.	Civil Defense Volunteer	Member
11.	Concerned Auqaf President	Member

**ZONE LEVEL DISASTER MANAGEMENT COMMITTEE**

1.	Patwari Concerned	Convenor
2.	Supervisor Child Care Development	Member
3.	Lumberdar	Member
4.	Chowkidar	Member
5.	AASHA Worker	Member
6.	Head of Auqaf/Mohalla Committee etc.	Member
7.	Community Volunteers	Member
8.	Local NGO	Member

## **Powers and Functions of District Disaster Management Authority, Srinagar**

### **The District Authority has the power to:**

1. Coordinate and monitor the implementation of the National Policy, State Policy, National Plan, State Plan and District Plan.
2. Ensure Prepare a disaster management plan including district response plan of the district.
3. that the areas in the district vulnerable to disasters are identified and measures for the prevention of disasters and the mitigation of its effects are undertaken by the departments of the Government at the district level as well as by the local authorities.
4. Ensure that the guidelines for prevention of disasters, mitigation of its effects, preparedness and response measures as laid down by the National Authority and the State Authority are followed by all departments of the Government and at the district level and the local authorities in the district.
5. Give directions to different authorities at the district level and local authorities to take such other measures for the prevention or mitigation of disasters as may be necessary.
6. Lay down guidelines for prevention of disaster management plans by department of the Government at the district level and local authorities in the district.
7. Monitor the implementation of disaster management plans prepared by the departments of the Government at the district level.
8. Lay down guidelines to be followed by the departments of the Government at the district level for purposes of integration of measures for prevention of disasters and mitigation in their development plans and projects and provide necessary technical assistance and monitor the implementation.
9. Review the state of capabilities for responding to any disaster or threatening disaster situation in the district and give directions to the relevant departments or authorities at the district level for their up gradation as may be necessary.
10. Review the preparedness measures and give directions to the concerned departments at the district level or other concerned authorities where necessary for bringing the preparedness measures to the level required for responding effectively to any disaster or threatening disaster situation.
11. Organize and coordinate specialized training programmers for different level of officers, employees and voluntary rescue workers in the district.
12. Facilitate community training and awareness programmers for prevention of disaster or mitigation with the support of local authorities, government and non-governmental organizations.
13. Set up, maintain, review and upgrade the mechanism for early warning and dissemination of proper information to public.
14. Prepare, review and update district level response plan and guidelines.
15. Coordinate response to any threatening disaster situation or disaster.
16. Ensure that the Departments of the Government at the district level and the local authorities prepare their response plans in accordance with the district response plan.

17. Lay down guidelines for, or give direction to, the concerned department of the Government at the district level or any other authorities within the local limits of the district to take measures to respond effectively to any threatening disaster situation or disaster.
18. Advise, assist and coordinate the activities of the Departments of the Government at the district level, statutory bodies and other governmental and non-governmental organizations in the district engaged in disaster management.
19. Coordinate with and give guidelines to local authorities in the district to ensure that measures for the prevention or mitigation of threatening disaster situation in the district are carried out promptly and effectively.
20. Provide necessary technical assistance or give advice to the local authorities in the district for carrying out their functions.
21. Examine the construction in any area in the district and if it is of the opinion that the standards for the prevention of disaster or mitigation laid down for such construction is not being or has not been followed, may direct the concerned authority to take such action as may be necessary to secure compliance of such standards.
22. Identify buildings and places which could, in the event of any threatening situation or disaster, be used as relief centers or camps and make arrangement for water supply and sanitation in such buildings or places.
23. Establish stockpiles of relief and rescue materials or ensure preparedness to make such materials available at a short notice.
24. Provide information to the State Authority relating to different aspects of disaster management.
25. Encourage the involvement of non-governmental organization and voluntary social-welfare institutions working at the grassroots level in the district for disaster management.
26. Ensure communication systems are in order, and disaster management drills are carried out periodically.
27. Perform such other functions as the State Government or State Authority may assign to it or as it deems necessary for Disaster Management in the District.

**Powers and functions of District Authority in the event of any threatening disaster situation or disaster:**

- Give directions for the release and use of resources available with any department of the government and the local authority in the district.
- Control and restrict vehicular traffic to, from and within the vulnerable or affected area.
- Control and restrict the entry of any person into, his movement within and departure from a vulnerable or affected area.
- Remove debris, conduct search and carry out rescue operations.
- Provide shelter, food, drinking water and essential provisions, healthcare and services.
- Establish emergency communication systems in the affected area.
- Make arrangements for the disposal of the unclaimed dead bodies.
- Recommend to any Department of the Government of the State or any other authority or body under that Government at the district level to take such measures as are necessary in its opinion.

- Require experts and consultants in the relevant fields to advise and assist as it may deem necessary.
- Procure exclusive or preferential use of amenities from any authority or person.
- Construct temporary bridges or other necessary structures and demolish structures which may be hazardous to public or aggravate the effects of the disaster.
- Ensure that the non-government organization carry out their activities in an equitable and non-discriminatory manner.
- Take such other steps as may be required or warranted to be taken in such a situation.



## **INSTITUTIONAL MECHANISM**

The district has to make use of its human and material resource to deal with the pre and post disaster situations. The district administration shall have in place committees/ teams/task force for Disaster Management.

At the apex level the district shall have Disaster Management Committee and a District Control Room which shall function as Emergency Operation Centre.

The District Disaster Management Committee shall have the following composition:

1. District Development Commissioner Srinagar Chairperson.
2. Additional Deputy Commissioner Srinagar Member Secretary.
3. District Superintendent of Police Srinagar Member.
4. Superintending Engineer PW(R&B) Srinagar Member.
5. Chief Medical Officer Srinagar Member.
6. Assistant Director Consumer Affairs & Public Distribution Srinagar Member

In addition to this the officers of different departments are being Co-opted as members as and when required for the subject. Disaster Management has to be a peace-time activity. The District Disaster Management Committee shall conduct review meetings at regular intervals to assess the progress made with regard to Disaster Management. The preparedness, mitigation and prevention measures have to be monitored and scrutinized periodically. The implementation of Disaster Management plan has to be reviewed and every year in April the Disaster Management plan has to be updated and necessary changes modifications have to be incorporated in the plan. The data bank as well as the resource inventory has to be updated.

At the time of an emergency/disaster, the District Disaster Management committee would meet at short notice so as to chalk out a strategy to cope with any such exigency. This District Committee would make key decisions and devise various courses of action to deal with a disaster situation.

The District Disaster Management committee comprising of sectoral officers shall also ensure implementation of Disaster Management Plan during the normal time. The focus shall be on gauging the threat of disasters, vulnerability analysis, preparedness and prevention measures required to be taken.

Almost all line departments concerned with the Disaster Management activity shall find representation in the Apex committee at the district level. The sectoral officers shall have to ensure that Disaster Management strategies are adopted. Health Services, Revenue department, P H E department, P W D, Irrigation, Flood Control, Electrical department, Police, Consumer Affairs and Public Distribution department have a key role to play in Disaster Management of the district. The District Disaster

Management committee shall, from time to time, receive reports on preparedness from the concerned departments at the district level.

In order to make Disaster Management activities more effective, the key departments would be asked to devise their own Disaster Management plans concerning to their domain. For instance Chief Medical Officer would come up with Disaster Management plan to deal with health related emergencies in the health sector. Likewise separate Water and Sanitation Response plan, Relief and Rescue operations plan, Flood management plan, Public Distribution System during emergencies have to be formulated at the district level by the concerned departments. This shall create synergy effect and benefit the district in having a comprehensive Disaster Management strategy.

There will also be the **District Control Room(DCR)** in the office of the District Development Commissioner . The Additional Deputy Commissioner will be the Nodal officer of the District Control Room.

The District Control Room would be made fully functional and it will be equipped to respond to any emergency/disaster. It shall assume control at the district headquarter and coordinate functions between various government agencies. The DCR shall respond to crisis/alarm/queries/demands emanating from different areas of the district. The DCR shall be provided with all communications equipment. It would be a sort of Disaster Management call centre, capable of addressing various problems and providing assistance readily. The District Control Room shall have a directory of all important phone numbers. It shall provide information to anybody who needs it and also receive information/reports from the field officers. The DCR shall take instructions and guidance from the District Disaster Management committee. The DCR shall comprise of following members:-

1. Additional Deputy Commissioner (Nodal officer)
2. Sub Divisional Magistrate East/West Srinagar
3. Chief Planning Officer.
4. District Information Officer Srinagar
5. District Informatics Officer. NIC
6. Superintendent of police Headquarter Srinagar.
7. General Manager DIC Srinagar
8. Dy. Director Employment and Counselling Srinagar
9. An officer of Telephone Department

10. Support staff to handle Communications.

The District Control Room has a prominent/ all-important role to play during an emergency situation . In a disaster situation it shall remain open 24 x 7. The DCR shall be pivotal in flashing important messages and directions of District Development Commissioner to Tehsil Control Room and other field units.

In addition to Directory of telephone numbers, maps, route maps, maps of vulnerable areas (earthquake prone, flood prone areas) satellite phones and wireless equipments have to be made available to the DCR. It has to be ensured during normal time itself that all communication system, equipment to be used by DCR are in good working condition.

The District Control Room shall also be manned by the support staff. These key personal shall be skilled in operating the communication systems. The duty of officials functioning at DCR shall be fixed as per the duty roster. The control room has to function uninterrupted, round-the-clock.

## **TEHSIL LEVEL DISASTER MANAGEMENT COMMITTEE AND TEHSIL CONTROL ROOMS**

District Srinagar shall have a second-tier mechanism for the implementation of Disaster Management Plan, coordination between various departments, emergency preparedness and quick response at the time of disaster situations. It will function on the analogy of District Disaster Management Committee and District Control Room. It shall also be equipped with telephones, wireless gadgets, FAX machines, Maps and important information/data.

The Tehsil Level Committees and Control Rooms shall function in the officer of the concerned Tehsildar and shall comprise of the following officers.

1.	Tehsildar concerned	Nodal Officer
2.	Block medical Officer concerned	Member
3.	Block Development Officer (s) concerned	Member
4.	Ward Officers Municipal Corporation	Member
5.	AEE/AE R&B	Member
6.	A.E.E/A.E Mechanical Engineering	Member
7.	A.E.E/A.E Irrigation & Flood Control	Member
8.	A.E.E/AE P.H.E Department	Member
9.	AEE/AE Power Development Department	Member
10.	Officer representing C.A & P.D at Tehsil/Block Level	Member
11.	S.H.O of concerned Police Station	Member

The Tehsil Level Disaster Management Committee shall be instrumental in working down below at gross route level. It shall function as an effective intermediary between District Administration and Village Level Committees/Halqa Panchayats.

The Officers at Tehsil and Block Level shall have to perform their role as Disaster Management functionaries. They shall work in coordination and convene meetings at specified intervals. They will submit their reports in preparedness to District Authority and suggest measure to be taken for disaster prevention and mitigation.

The Tehsil Level Disaster Management Committee has to swing into action and organizes relief and rescue operations on war-footing immediately after the news/information about the disaster is received from the authorities. The duties and functions of the Tehsil Level Committee would be as under:-

- I. Flash the message about the disaster to District Control Room.

- II. Convene emergency meeting of important Officials and even Non-Official agencies and give them clear instructions. It will make all preparations quickly.
- III. Alert all Police Station/Police Posts/Army Camps and other Officials immediately.
- IV. Mobilize all available resource of men and material for rescue and relief operations and report additional requirements immediately to District Control Room.
- V. Mobilize the support of identified voluntary agencies/NGOs/ Village Committees through designated Nodal Officers/Team Leaders.
- VI. Arrange for evacuation/transportation of affected people to the identified relief camps. The relief camps could be any Government accommodation/community halls which can be used for providing shelter to the affected people.
- VII. The Tehsil Committee shall form small Rapid Action Group/Task Force groups and to work at various disaster sites (Site Operations Center). The Site Manager will coordinate the activities at various camp sites and affected areas. The Site Operations Center will report to Tehsil Control Room and even directly to District Control Room.
- VIII. The Rapid Action Group shall start free kitchen for the affected people at the relief camp (SOC) where necessary arrangements of drinking water, medicine, temporary toilet facilities, lighting/heating arrangements, blankets, etc shall be made. The site manager/official shall requisition stocks of essential commodities from Tehsil or District Control Room.
- IX. Sufficient supplies of machinery and other equipment shall be made by Tehsil Control Room as per the requisition coming from various Site Operation Centers.
- X. At the time of a disaster situation, the Tehsil Control Room shall operate round the clock and shall be constant touch with the District Control Room. It will coordinate efforts in the Tehsil and give feedback to the DCR.

## **CONSTITUTION OF VILLAGE COMMITTEES**

Village Level Committee can be constituted during normal times. Each village shall have a minimum of 15 volunteers and these shall be formed by concerned Tehsildar and Block Development Officers.

The Village Level worker / Multipurpose Worker, Patwaries, local teachers shall be official members of these voluntary committees. These committees shall be registered with the concerned Tehsildar/BDO. The village committees shall implement the village Disaster Management and Response plan.

In response to disaster situations the village committees shall be involved actively in rescue and relief operations with coordination and active support of government agencies. During emergencies they can be assigned various tasks rescue and evacuation, shelter management, health and first aid, water, sanitation & carcass disposal, relief management, damage assessment, patrolling, vigilance. During normal time, the village committee will be instrumental in generating awareness among village community about Disaster Management as a whole and conduct mock drills. The committees shall also be equipped with important data/important telephone numbers as well as equipments to be used in rescue operations. The committee shall also develop a data bank at village level like demographic details, resources available in the village, ownership details like who owns a truck, a bus, tractor or even a Dozer etc in the village. The village committees will work on voluntary basis and rewards shall be given for good performances.

## **CONTINGENCY PLAN FOR FLOOD WARNING, RELIEF AND RECOVERY**

River Jehlum traverses through the city of Srinagar from Village Sempora in the South to the Village Panzinara in the North. The topography of the District is both plain and hilly. The District Srinagar consists of seven Tehsils namely **South, North, Eidgah, Chanapora, Panthachowk, Shalteng and Khanyar**. It comprises of Six Community Development Blocks. These blocks are **Srinagar, Central Hazratbal, South Qamerwari, North Eidgah, Harwan and Khonmuh**. There are several Nallahs flowing into the river Jehlum from the watersheds which are mostly torrential in nature and when in spate possess tremendous discharge and destructive power often causing damage to property and life along the course. Whenever the river Jehlum is in spate and in order to save the city of Srinagar the water is channelized through the flood channels and again when the flow is still not under control and threatens the areas on the Northern side (City) a breach is usually made at Kandizal located in District Pulwama. This is the desperate and ultimate attempt to avert danger to the urban areas of the Srinagar city. As a result of such a step a few villages/ habitations of Tehsil Chanapora/ Natipora are inundated. Also huge habitations of Tehsil Chanapora/ Natipora get affected by the Nallah Doodhganga. During the September 2014 floods, a huge damage occurred to the 93,369 structures and death of the 40 persons also occurred. It was observed that against the total 137 villages, 87 villages were directly affected, which involved 2.10 lac families in the district. So far as Tehsil Tehsil Chanapora/ Natipora and south srinagar is concerned its low lying areas get submerged because of over flowing of flood channels and water logging because of rain. As far as Tehsil Panthchowk/ Shalteng is concerned these are submerged due to over flowing of river Jehlum. Following are the areas/localities/villages in the District which are flood prone.

<b>S. No.</b>	<b>Tehsil</b>	<b>Area prone to getting submerged during floods</b>
1.	Chanapora	Nowgam, Natipora, Mehjoor Nagar, Baghat Barzalla,
2.	South	K.P.Bagh, Aramwari, Gund Chandal, Barzalla, Gangbugh, Gulab pora
3.	Central Shaltang	Rakh Gund Akshah, Shalteng
4.	Panthachowk	Lasjan, Soiteng, Pandrethan
5.	Eidgah	Palapora

Moreover, Flood Control Division Srinagar has identified 37 locations in the District which are prone to flood, as experienced during the deluge of September 2014, as under:-

1.	Kakpora	14.	Lasjan	27.	Polo View all area upto L/S of Chunt Khul
2.	Kandizal	15.	Kursu Padshahi Bagh	28.	Qamarwari
3.	Sumarbug	16.	Rajbagh	29.	Bemina
4.	Rakhi Suthu	17.	Jawahar Nagar	30.	Karan Nagar
5.	B.K pora	18.	Gogji Bagh	31.	Chattabal on L/S of River Jehlum
6.	Gundi Chandan	19.	Solina	32.	Sonwar
7.	Soitang	20.	Aloochibagh	33.	Shivpora part of Cantonment area
8.	Lal Chowk	21.	Partab Garh	34.	Hari Sing High Street
9.	Maisuma	22.	Takanwari	35.	Kral Khud area on L/S of Chunt Khul
10.	Minawarabad	23.	Ganastan	36.	Rakh Shilvat Mijgund
11.	Babademb	24.	Sheikhzoo	37.	Gagarpora
12.	Khanyar	25.	Kreshbal	38.	
13.	Gow Kadal	26.	Batmaloo	39.	

## **ORGANIZATION STRUCTURE FOR FLOOD WARNING AND RELIEF**

### **District Flood Co-ordination Committee**

At the district level the flood situation shall be monitored and handled by a District Coordination Committee of which DDC is the convener and S.E. Hydraulic Srinagar is Member Secretary. The committee shall have its control room in the D.C Office Srinagar and all relief and rescue operations will be coordinated from there. The control room will remain operational round the clock during floods.

### **Flood Zonal Committee**

The District Srinagar is divided into five zones to be supervised by a Zonal Committee located at Nowgam, Rambagh Shalteng, Panthachowk. and Nehrupark Each zonal committee will comprise of respective Assistant Executive Engineer (AEE) R&B, AEE Flood Control and AE Irrigation headed by XEN Flood Control



Division Srinagar, Flood Spill Channel Division Narbal. R&B Division Srinagar, Truck terminal Division and Right River Division respectively. All the structural works like construction of temporary bunds and closure of breaches, arrangement of key material, forming of flood duty roaster etc is to be attended by the zonal committees, whereas, the relief and rescue, distribution of ration etc is to be looked after by the administrative wing i.e. Zonal Committees at administrative level comprising of concerned Tehsildar (Convener), concerned SDPO, BMO and representative of Flood Department.]

**DETAILS OF VARIOUS COMMITTEES**

Flood Zonal Committee Nowgam					
S.No	Committee	Chairman/ Convener	Members	Control Room	Telephone No.
1	Zonal Flood Nowgam	Executive Engineer Flood Control Div. Srinagar	AEE R&B Nowgam, AEE Flood Control concerned AE Irrigation concerned	Police Station Nowgam	0194-2439828
	Zonal Committee Adm. Wing	Tehsildar Chanapora	SDPO Saddar BMO B.K Pora Rep. of CA&PD Deptt.	Police Station Nowgam	

Flood Zonal Committee Rambagh					
S.No	Committee	Chairman/ Convener	Members	Control Room	Telephone No.
2.	Zonal Flood Committee Rambagh	Executive Engineer Flood spill Channel Div Narabal	AEE R&B Saddar, AEE Flood Control concerned AE Irrigation concerned	Police Station Saddar	0194-2432119
	Zonal Committee Adm. Wing	Tehsildar South	SDPO Saddar BMO concerned Rep. of CA&PD Deptt.	Police Station Saddar	

Flood Zonal Committee Shaltang ( Central)					
3.	Zonal Flood Committee Shaltang	Executive Engineer R&B Division Srinagar	AEE R&B concerned. AEE Flood control concerned , AE Irrigation concerned	Police Station Parimpora	0194-2490027
	Zonal Committee Adm. Wing	Tehsildar Shaltang Central	SDPO Parimpora BMO concerned Rep. of CA&PD Deptt.	Police Station Parimpora	

Flood Zonal Committee Panthchowk					
4.	Zonal Flood Committee Panthchowk	Executive Engineer Truck Terminal Div. Srinagar	AEE R&B concerned. AEE Flood control concerned , AE Irrigation concerned	Police Station Panthchowk	0194-222933
	Zonal Committee Adm. Wing	Tehsildar Pantha Chowk	SDPO Panthchowk BMO concerned Rep. of CA&PD Deptt.	Police Station Panthchowk	

Flood Zonal Committee Nehru Park					
5.	Zonal Flood Committee Nehru Park	Executive Engineer River Div. Srinagar	AEE R&B concerned. AEE Flood control concerned , AE Irrigation concerned	Police Station Nehru Park	0194-2482646
	Zonal Committee Adm. Wing	Tehsildar North	SDPO Nehru Park BMO concerned Rep. of CA&PD Deptt.	Police Station Nehru Park	

### **Village Committee in Flood Prone Areas**

Sarpanch, Panche, Numberdaar, Ward Officers, VLW, Pathwari, concerned Head Master/Teachers, and Local Volunteers shall be the members for the flood prone areas. Similarly for the other disasters, members of the same committee shall also function as Rescue teams.

### **FLOOD MANAGEMENT (RULES AND DUTIES) Flood Alert**

The 1st alert will be sounded by Central Flood Committee Srinagar through its Member Secretary Chief Engineer Irrigation and Flood Control as soon as the Sangam Gauge touches 18ft. All the concerned officials deployed to the flood duty both at the district level and the zonal level will immediately rush up to the respective control rooms and assume their assignments as entrusted to them. Similarly flood alert for the district will be sounded by member secretary of the co-ordination committee. These precautions are to be ensured in both the cases i.e. alert sounded by the central committee or continuous rains in the district for 48 hours.

#### **Before Flood Alert**

Duties to be performed by the departments associated with normal flood control works, before the flood alarm is sounded, are:-

S.No	Assignment	Action taken
1.	Inspection of all flood protection bunds/embankments and other regulatory structures for identification of weak spots, dangers and necessity of repairs/restorations/ strengthening of weak points.	Irrigation and Flood control Department
2.	To ensure that all gate gearings are functional, duly oiled and requisite standby tests have been performed under the supervision of an Engineer. Flood duty roaster is framed and circulated to all concerned by the Executive Engineer Flood Control Division Srinagar and Flood Spill Channel Div. Narbal.	Irrigation and Flood control Department
3.	Control Room/Sub control rooms are identified, publicized and	Irrigation and Flood control

	equipped with communication facility. The Headquarter and the home address of the field duty staff are provided to all committee members and respective Control Rooms.	Department
4.	Material required for flood prevention/management like EC bags, ballies, sand, etc is stored and also the source from which it can be arranged at short notice in case of dire necessity has to be clearly identified.	Irrigation and Flood control Department
5.	Identification of Safe Havens/shelters for evacuees.	SDM's/Tehsildar/ SDPO's/ SHO's
6.	Village Level Committees are constituted by associating concerned VLWs, Patwaries, Numberdars, Chokidars and respectables of the village	Tehsildars/ SHO's
7.	Making an inventory of availability of medicine and para medical staff in flood prone villages	Chief Medical Officer
8.	To ensure availability of sufficient stock of essential commodities in flood prone areas.	Deputy. Director CA & PD Srinagar

## **After Flood Alarm**

Immediate attendance of the staff deployed for flood duty to be ensured. The duties to be performed by the Flood Control Department after the flood alarm is sounded are:-

- Closing of gates and sluices on Nallahs, flood channels by the functionaries of flood control department.
- Strengthening of weak spots and embankments.
- Closure of breaches, if any.
- Arranging stores/material as per requirement from central flood stores, sister divisions and other available sources.
- Hourly recording of gauge reading and calculating hourly discharge on the basis of available gauge, discharge curves or empirical formula. Regular communication of discharge/gauge to all concerned quarters.
- Marking of highest flood level on permanent objects and keeping its record.
- Assessment of flood damage and its communication to higher authorities.

### **Duties to be Performed by the Staff deployed for Flood Duty**

- Patrolling of river bank from Sempora to Panzinara (by Flood Control Div. Srinagar as per roaster/Chart).
- Patrolling of flood embankments (by Flood Control Deptt. as per roaster/chart) all over the District.
- Establishment of Sector/Boat headquarters at designated places (by concerned Tehsildar/SDPO).
- Liaison with the control room for arranging material and communication of regular flood situation (by Ex.Ens. Flood Control Div. Srinagar and Flood Spill Channel Division Sumbal).
- Supervising flood protection measures like laying of sand filled E.C bags, temporary diversions etc (by Ex.Ens. Flood Control Division Srinagar and Flood Channel Div. Sumbal)
- Supervising evacuation of marooned people (by Tehsildar/ SDPO).
- Assessing the eminent threat perception and communication of same to the control room (by I/C control rooms).
- Motivating people for assisting in flood prevention/protection and relief and rescue measures (by Administrative wing and Zonal Committees).

**Arrangement of Relief and Rescue by Administrative Wing.**

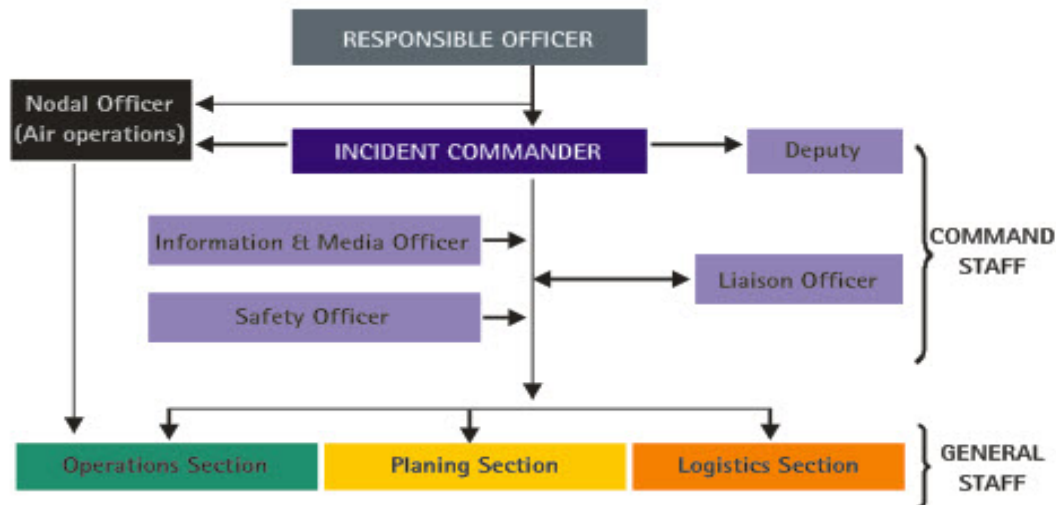
- Procurement of boats for evacuation of marooned people (by Assistant Commissioner Revenue/Tehsildars).
- Identification and establishment of Community Centres( Pacca buildings) to be used as relief /shelter camps by Tehsildar concerned.
- Distribution of relief in the form of rations, bedding, utensils etc to the affected people (by Asstt. Director CA and PD/Tehsildar).
- Arrangement of free lunger for marooned people (by Tehsildar).
- Providing of medical aid to affected people (by C.M.O/B.M.O's).
- Maintenance of Law and Order (by SSP Srinagar).
- Dissemination of information to people so as to prevent rumor mongering and panic (by SSP Srinagar).
- Over all supervision of the flood protection measures and rescue operations (by District Flood Coordination Committee).
- Arrangement of transport by State Road Transport Corporation, RTO Kashmir and Deputy Director Motor Garages.

## **INCIDENT RESPONSE SYSTEM AND FUNCTIONS**

The Incident Response System (IRS), developed by NDMA in 2010, is an effective mechanism for reducing the scope for ad-hoc measures in response. It incorporates all the tasks that may be performed during Disaster Management irrespective of their level of complexity. Organisation functions through Incident Response Teams (IRTs) in the field, in line with their administrative structure and DM Act 2005. Responsible Officers (ROs) have been designated at the State and District level as overall in charge of the incident response management. The RO may however delegate responsibilities to the Incident Commander (IC), who in turn will manage the incident through IRTs. The IRTs will be pre-designated at all levels; State, District, Sub-Division and Tehsil/Block. On receipt of early warning, the RO will activate them. In case a disaster occurs without any warning, the local IRT will respond and contact RO for further support, if required. A Nodal Officer (NO) has to be designated for proper coordination between the District, State and National level in activating effective response.

Apart from the RO and Nodal Officer (NO), the IRS has two main components;

- Command Staff
- General Staff



### 5.1.1 Command Staff:

The Command Staff consists of Incident Commander (IC), Information & Media Officer (IMO), Safety Officer (SO) and Liaison Officer (LO). They report directly to the IC and may have assistants. The Command Staff may or may not have supporting organisations under them. The main function of the Command Staff is to assist the IC in the discharge of his/her functions and it has been discussed in brief as:

#### a. The Incident Commander (IC) will

- obtain information on situation status like number of people and the area affected etc.; availability and procurement of resources; requirement of facilities, Staging Area, Incident Base, Camp, Relief Camp, etc.; availability and requirement of Communication system; future weather behavior from IMD; and any other information required for response from all available sources and analyse the situation.
- establish immediate priorities, including search and rescue and relief distribution strategies;
- assess requirements for maintenance of law and order, traffic etc.; if any at the incident site, and make arrangements with help of the local police;



- brief higher authorities about the situation;
- ensure that adequate safety measures for responders and affected communities are in place;
- ensure proper coordination between all sections of the IRTs.

**b. Information and Media Officer (IMO)**

The news media are important partners in an emergency. The media and individual journalists can provide vital information; they may have been in areas not visited by anyone from government side and have talked with people of the affected area. IMO should encourage them to keep informed of what they see. Respond when possible. At all times foster goodwill and cooperation with the news media. Give them constant updates, informal interviews etc. They will respond with informed reporting. Encourage them to share your vision for long-term effective assistance. When dealing with media the following points need to be remembered:

**Preparing for an interview**

- Anticipate the questions they will ask and think of the message you want to convey.
- Work out exactly what you are going to say. Stick to it.
- Never assume the media understands the terminology you are employing. Remember that their audience is the average man in the street.
- Take command of the interview. If you have something important to say, say it. Do not be side-tracked into answering other questions which you feel are not relevant. Prepare handouts, emphasizing the main points of your statements.

**Points to remember**

Stick to facts, and put them in context

There is no such thing as 'off-the-record'

Be careful what you say in the presence of journalists, even after a formal interview is finished and at social gatherings.

Do not mention weaknesses.

### **Hints on issuing a press release**

- Your key point should be in the first paragraph.
- The text needs to be brief (maximum one A4 page).
- The title and the opening line are the most important part: they need to grab attention and encourage people to read on.
- Avoid referencing academic work or text, refer to people or researchers.
- Use a language that is appropriate for the audience.
- If you are working with a particular newspaper or radio/television station, you may need to do some research about their editorial style.
- Translate materials into local languages. Have regular resource persons/ journalists available to do this.

### **c. Roles and Responsibilities of Liaison Officer (LO)**

The LO is the focal point of contact for various line departments, SDRF, NDRF, representatives of NGOs, etc. participating in the response. The LO is the point of contact to assist the first responders, cooperating agencies and line departments. LO may be designated depending on the number of agencies involved and the spread of affected area.

### **d. Roles and Responsibilities of Safety Officer (SO)**

The SO's function is to develop and recommend measures for ensuring safety of personnel, and to assess and/or anticipate hazardous and unsafe situations. The SO is authorised to stop or prevent unsafe acts. SO may also give general advice on safety of affected communities. He/She should ensure the lacunae in compliance of existing safety regulations at the incident site.

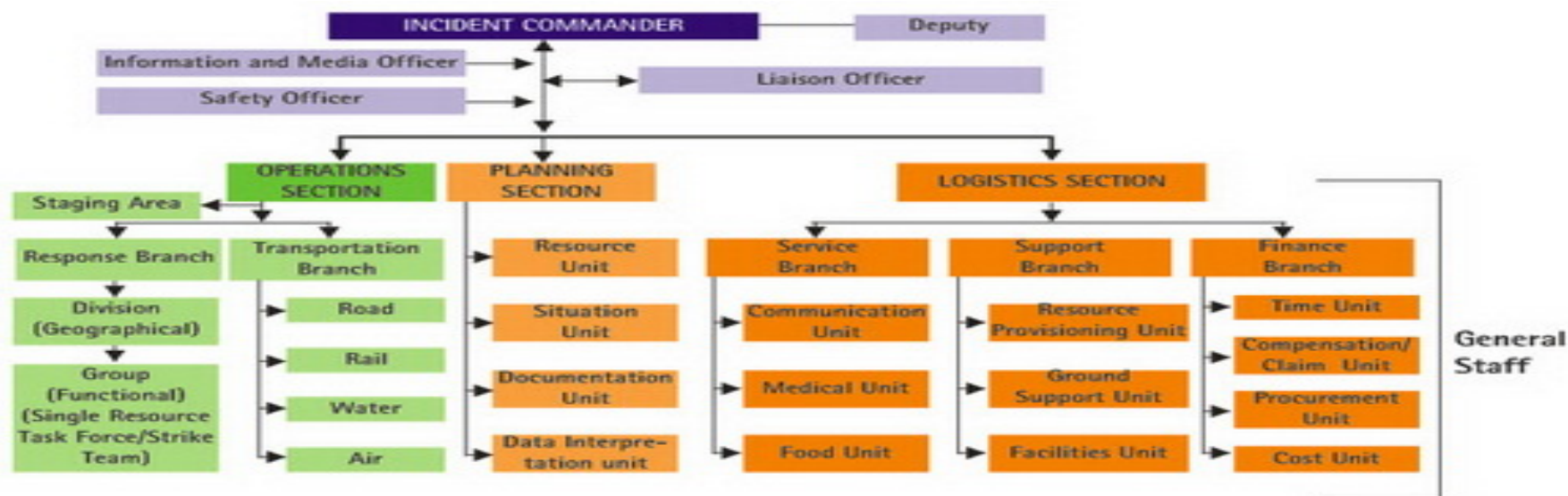
### **5.1.2 General Staff:**

The General Staff has three components which are as follows:

- **a. Operations Section (OS):** The OS is responsible for directing the required tactical actions to meet incident objectives. Management of disaster may not immediately require activation of Branch, Division and Group. Expansion of the OS depends on the enormity of the situation and number of different types and kinds of functional Groups required in the response management. This section is responsible for operational movement of food, water, vehicles and other materials and equipments at those places where there is need. The Staging Area (SA) will be established at a suitable area near the affected site for immediate, effective and quick deployment of resources.

- **Planning Section (PS):** The PS is responsible for collection, evaluation and display of incident information, maintaining and tracking resources, preparing the Incident Action Plan (IAP) and other necessary incident related documentation. They will assess the requirement of additional resources, propose from where it can be mobilised and keep IC informed. This section also prepares the demobilisation plan.
- **Logistics Section (LS):** The LS is responsible for providing facilities, services, materials, equipments and other resources in support of the incident response. The Section Chief participates in development and implementation of the IAP, activates and supervises Branches and Units of his/her section. In order to ensure prompt and smooth procurement and supply of resources as per financial rules, the Finance Branch has been included in the LS.

This figure shows the framework of General Staff.



## EMERGENCY OPERATION TASK FORCES

The District administration of Srinagar has identified 16 expected taskforces for key responses operation functions that are described below. Each Taskforce is led by one organization and supported by other organizations. The composition of the Taskforces is given as:

<b>S N O.</b>	<b>Taskforce</b>	<b>Operations</b>	<b>Nodal Officer</b>	<b>Supporting Members/ Organizations</b>	<b>IRS Section/U nit</b>
1.	Planning and Coordination	Coordinate early warning, Response and Recovery Operations	District Collector/DM	Joint director Planning, VC LAWDA, VC Srinagar Development Authority, Commissioner Srinagar Municipal corporation, Superintendent Engineer R&B, Additional Superintendent of Police	Planning
2.	Administration and Protocol	Support Disaster Operation by efficiently completing the paper work and other Administrative task needed to ensure effective and timely relief assistance.	Additional Deputy Commissioner	Joint Commissioner SMC, Assistant Commissioner Development, Chief Accounts Officer DRDA, Additional Superintendent of Police, Senior secretary LAWDA, Secretary Srinagar Development Authority	Finance and Administration
3.	Warning	Collection and dissemination of warnings of potential disasters	Sub Divisional Magistrate	Tehsildar District information officer, Executive Engineer Irrigation	Operations
4.	Law & Order	Assure the execution of all laws and maintenance of order in the area affected by the incident	Senior Superintendent of Police	Assistant Commissioner (Rev.), Concerned SHO	Law & Order
5.	Search & Rescue (Including Evacuation)	Provide human and material resources need to support local evacuation search and Rescue efforts	Commandant SDRF	Deputy Director Fire and Emergency Services, Deputy Superintendent of Police (DAR)	Operations

	)				
6.	Public Works	Provide the personal and resources needed to support local efforts to re-establish normally operating infrastructure	Superintendent Engineer R&B, PWD	Executive Engineer, Assistant Executive Engineer, Junior Engineer (Concerned)	Operations
7.	Water Supply	Assure the provision of sufficient potable water for human and animal consumption (priority), and water for industrial and agricultural uses as appropriate.	Superintendent Engineer (Hydraulics)	Executive Engineer (PHE), Chief Medical Officer, Assistant Executive Engineer, Junior Engineer (Concerned)	Operations
8.	Food and Relief Supplies	Assure the provision of basic food and other relief needs in the affected communities.	Deputy Director Food Civil Supplies and Consumer Affairs Department	Assistant Director Food Civil Supplies and Consumer Affairs Department, District Red Cross Society.	Logistics
9.	Powder Supply	Provide the resources to establish normal power supplies and systems in affected communities.	Superintendent Engineer PDD	Executive Engineer, Assistant Executive Engineer, Junior Engineer (Concerned)	Operations
10.	Public Health and Sanitation	Provide personal and resources to address pressing public health problems and re-establish normal health care system.	Chief Medical Officer,	Community Health Officer, Block Medical Officer, Executive officers of Municipal committees.	Operations
11	Animal	Provision of health and	Chief	Sheep Husbandry Officer, Veterinary	Operations

.	Health and Welfare	other care to animals affected by a disaster.	Animal Husbandry Officer,	Assistant Surgeons ( Concerned)	
12	Shelter Management	Provide materials and supplies to ensure temporary shelter for disaster affected population	Superintendent Engineer R&B	Executive Engineer, Assistant Executive Engineer, Junior Engineer (Concerned), Block Development Officer, Chief Education Officer.	Operations
13	Logistics	Provide Air, water and land transport for evacuation and for the storage and delivery of relief supplies in coordination with other taskforces and competent authorities.	Managing Director SRTC	Regional Transport Officer, Additional Transport Commissioner, Assistant Regional Transport Officer, MVD Inspectors, SRTC officials	Logistics
14	Survey Damage Assessment	Collection and analysis of data on the impact of disaster develop estimates of resources needed and relief plans, and compiling reports on the disaster as required for District and State authorities and other parties as appropriate.	Additional District Development Commissioner	<p><b>a) Infrastructure</b> Assistant Executive Engineer (R&amp;B), Junior Engineer (Concerned), Tehsildars.</p> <p><b>b) Crops</b> Chief Agriculture Officer, Chief Horticulture Officer, Tehsildars.</p> <p><b>c) Forest</b> Divisional Forest Officer, Rang officers</p> <p><b>d) Human/ Animals</b> Chief Medical Officer, Chief Animal Husbandry Officer, District Sheep Husbandry Officer, Veterinary Assistant Surgeons.</p>	Planning
15	Communications	Coordinate and assure operation of all communication system (e.g	Additional Deputy Commissioner	Tehsildar, District Information Officer, District Informatics Officer, Officers of Cellular companies BSNL,	Logistics

		Radio, TV, Telephone, Wireless) Required to support early warning or post disaster operations.	ner	Airtel, Jio, Etc	
16	Media (Public Information)	Provide liaison with and assistance to print and electronic media on early warning and post disaster reporting concerning the disaster	Joint Director Information Kashmir	NGO's Local Media Organizations, Journalists.	Public Information

## **AVAILABILITY OF RESOURCES IN THE DISTRICT**

The primary focus is to enable the decision makers to solutions on availability of equipment and human resources required to combat any emergency situation. A District Disaster Resources Network has to be established to collect, compile and update information on resources available and integrate with the GIS- based state resource network for timely use. The different agencies involved at the time of (i) collection and compilation (ii) creating GIS based network and access (iii) maintaining and uploading the network needs to be identified.

The stakeholders as identified includes the

- Fire & Emergency Services Department,
- civil Defence (SDRF),
- Para Military Forces,
- Traffic police,
- Forest Department,
- Police,
- Irrigation & Flood Control Department,
- Power Development Department,
- Agriculture Department,
- horticulture Department,
- Food Civil Supplies & consumer Affairs Department,
- Veterinary Department,
- Animal Husbandry Department,
- Health Department,
- Government Medical College,
- Education Board,



- Social Welfare,
- Red Cross,
- Sub Divisional magistrates,
- Block development Officers,
- NGO`s.

The availability of resources should be regularly monitored and updated on IDRN website to combat any emergency situation in the District. Information in the database will enable stakeholders in DRR to assess the level of preparedness for specific hazards.

## RESOURCES PLANNING FOR DISASTER PREPAREDNESS

<b>Strategic</b>	<b>Task</b>	<b>Responsibility</b>
Resource	<ul style="list-style-type: none"> <li>✓ Identify available resources viz. human, Financial and equipment for disaster preparedness and response with:               <ul style="list-style-type: none"> <li>• District Level</li> <li>• Tehsil Level</li> <li>• Village Level</li> <li>• Public Sector</li> <li>• Private Sector</li> <li>• Community Level</li> </ul> </li> <li>✓ Identification of gaps of resources as per the need.</li> <li>✓ Delineate processes for procurement of lacking resources.</li> </ul>	<ul style="list-style-type: none"> <li>• District Collector.</li> <li>• Fire &amp; Emergency Services.</li> <li>• Municipal Council/Committees.</li> <li>• Civil Defence (SDRF).</li> <li>• Para Military Forces.</li> <li>• Traffic Police.</li> <li>• Forest Department.</li> <li>• Police.</li> <li>• Irrigation &amp; Flood Control.</li> <li>• Power Development Department.</li> <li>• Agriculture Department.</li> <li>• Horticulture Department.</li> <li>• Food, Civil supplies &amp; Consumer Affairs.</li> <li>• Veterinary Department.</li> <li>• Animal Husbandry Department.</li> <li>• Health Department.</li> <li>• Government Medical College.</li> <li>• Education board.</li> <li>• Social Welfare.</li> <li>• Red Cross</li> <li>• Su Divisional Magistrate</li> <li>• Block Development Officer.</li> <li>• NGO`s.</li> </ul>

## **DISASTER VULNERABILITY OF THE DISTRICT**

### **HAZARD PROBABILITY IN DISTRICT SRINAGAR**

<b><u>S.No</u></b>	<b><u>Hazard</u></b>	<b><u>Probability of Occurrence</u></b>	<b><u>Area Affected</u></b>
1.	Earthquake	Anytime (Seismic Zone tv & V)	Whole District
2.	Flash Floods/Floods	Autumn mainly (September)	Whole District
3.	Snow Avalanches, Snow Storm	Winter mainly	Mountainous Areas
4.	Cloudburst	July to September	Mountainous Areas of the district mainly in Tehsil North and Tehsil Pantha Chowk.
5.	Windstorm	Autumn/Spring	Whole District
6.	Hailstorm	Spring (March-May)	Occasionally
7.	Land slides	Summer/Autumn	Mountainous Areas of the district mainly in Tehsil North and Tehsil Pantha Chowk.
8.	Lightning	Anytime	Plane Areas (Agri.)
9.	Drought	Constant Dry Spell	Low Lying Areas (Agricultural/Horticulture land.)
10.	Fire	Anytime	Urban areas ( congestion)
11.	Forest Fires	Autumn	Mountainous Areas.

12.	Tourism/Crowed Management/Stampede	Whole Year (peak at summer)	Tourism spots/religious places
13.	Biological Hazards	Anytime	Whole District
14.	Road Accidents	Anytime	Whole District
15.	Drowning	Spring-Summer	Areas along river/lake/water bodies peripheries.
16.	Railway Accidents	Anytime	Along Railway Line

## **IDENTIFICATION OF VULNERABLE SPOTS AND LOCATIONS IN DISTRICT SRINAGAR**

The District Srinagar consists of seven Tehsils namely **South, North, Eidgah, Chanapora, Panthachowk, Shalteng and Khanyar**. It comprises of Six Community Development Blocks. These blocks are **Srinagar, Central Hazratbal, South Qamerwari, North Eidgah, Harwan and Khonmuh**. There are several Nallahs flowing into the river Jehlum from the watersheds which are mostly torrential in nature and when in spate possess tremendous discharge and destructive power often causing damage to property and life along the course. Whenever the river Jehlum is in spate and in order to save the city of Srinagar the water is channelized through the flood channels and again when the flow is still not under control and threatens the areas on the Northern side (City) a breach is usually made at Kandizal located in District Pulwama. This is the desperate and ultimate attempt to avert danger to the urban areas of the Srinagar city. As a result of such a step a few villages/ habitations of Tehsil Chanapora/ Natipora are inundated. Also huge habitations of Tehsil Chanapora/ Natipora get affected by the Nallah Doodhganga. During the September 2014 floods, a huge damage occurred to the 93,369 structures and death of the 40 persons also occurred. It was observed that against the total 137 villages, 87 villages were directly affected, which involved 2.10 lac families in the district. So far as Tehsil Tehsil Chanapora/ Natipora and south srinagar is concerned its low lying areas get submerged because of over flowing of flood channels and water logging because of rain. As far as Tehsil Panthchowk/ Shalteng is concerned these are submerged due to over flowing of river Jehlum. Following are the areas/localities/villages in the District which are flood prone.

<b>S. No.</b>	<b>Tehsil</b>	<b>Area prone to getting submerged during floods</b>
1.	Chanapora	Nowgam, Natipora, Mehjoor Nagar, Baghat Barzalla,
2.	South	K.P.Bagh, Aramwari, Gund Chandal, Barzalla, Gangbugh, Gulab pora
3.	Central Shaltang	Rakh Gund Akshah, Shalteng
4.	Panthachowk	Lasjan, Soiteng, Pandrethan
5.	Eidgah	Palapora

Moreover, Flood Control Division Srinagar has identified 37 locations in the District which are prone to flood, as experienced during the deluge of September 2014, as under:-

1.	Kakpora	14.	Lasjan	27.	Polo View all area upto L/S of Chunt Khul
2.	Kandizal	15.	Kursu Padshahi Bagh	28.	Qamarwari
3.	Sumarbug	16.	Rajbagh	29.	Bemina
4.	Rakhi Suthu	17.	Jawahar Nagar	30.	Karan Nagar
5.	B.K pora	18.	Gogji Bagh	31.	Chattabal on L/S of River Jehlum
6.	Gundi Chandan	19.	Solina	32.	Sonwar
7.	Soitang	20.	Aloochibagh	33.	Shivpora part of Cantonment area
8.	Lal Chowk	21.	Partab Garh	34.	Hari Sing High Street
9.	Maisuma	22.	Takanwari	35.	Kral Khud area on L/S of Chunt Khul
10.	Minawarabad	23.	Ganastan	36.	Rakh Shilvat Mijgund
11.	Babademb	24.	Sheikhzoo	37.	Gagarpora
12.	Khanyar	25.	Kreshbal	38.	
13.	Gow Kadal	26.	Batmaloo	39.	

## **Zonal Flood Committees Srinagar**

After identifying the flood-prone areas through proper survey and vulnerability mapping, Zonal Magistrates have been designated for each Zone, as Nominated by Deputy Commissioner. The Officer In-Charge shall have the responsibility of verifying and assessing the damage caused due to the flood and communicating the same to the higher authorities for immediate necessary action:-

<b>S. No</b>	<b>Tehsil</b>	<b>Name of the Magistrate</b>	<b>Headquarter</b>	<b>Catchment Area</b>	<b>Relief Camps/ Locations</b>	<b>Officer Incharge</b>	<b>Contact No.</b>
01.	South	Tehsildar South	Tehsil South	Jawahir Nagar , Lal Mandi & Ikhrajpor	ERA Complex Rambagh	-	-
				Kursoo Padshahibagh, Mehjoor Nager	Marriage Hall Sanat Nagar		
				Rambagh & RahimBagh	Marriage Hall Goripira		
				Gogjibagh	Marriage Hall Rawathpora		
				Solina/ Alochi Bagh, Sarai Bala Payeen, Magarmal Bagh, Kashi Mohalla	High school Rawalpura		
				Kursoo Rajbagh, Aramwari	MET School Rawalpura		
				Maisuma & Gowkadal	IMPA		
				Koker Bazar, Court Road & Sheikh Bagh	IMPA		
				Abi Guzar & Samander Bagh	IMPA		

				Peerzu & Chinar Bagh	Burn Hall School		
				Tankipora, Sutrashahi, Balgarden & Karan Nager	State EOC Gogoland Humhama		
02.	North	Tehsildar North	Tehsil North	Khaja Mohalla, Doodh Mohalla, Lashkari Mohalla	Kashmir University	-	-
				Gowmarg, Chut & Dar Mohalla	GHSS Hazratbal		
				Moti Mohalla, Dhobi Mohalla, Akhoon Mohalla	Shalimar HSS		
				Dal Area, Kabutar Khana, Tarapora	Police Golf Course		
03.	Khanyar	Tehsildar Khanyar	Tehsil Khanyar	Gagribal, Dalgate, Nehrupark	BHSS Nishart	-	-
				Habitation under Konekhan Abi Karpora Lam-Karpora	NIT, Hazratbal		
				Sofi Mohalla, Zaildar Mohalla, Beigh Mohalla, Kander Mohalla.	GHSS Saida KAdal		
				Chowdary Bagh, KHAND Mohalla, Sheikh Mohalla	GHSS Khanyar		
				Lashkar Mohalla, Moti Mohalla, Kath Mohalla,	BMS Ishbar		



				Sheikh Mohalla			
04.	Central Shaltang	Tehsildar Central Shaltang	Tehsil Central Shaltang	Boatman Colony, Mansoor Colony, MIG, HIG, SDA Colony & Gousia Colony	Hussaini Public High School Zainakote, HMT Qtrs	-	-
				Moominabad Tengpora & Gangbugh	HMT Quarters		
				Barthana & Qamarwari	HMT Quarters, Zainakote		
				Parimpora, Fruit Mandi	GHSS Zainakote		
				Shalteng	HMT Quarters, Zainakote		
				Khushipora	GMS Khushipora		
				Malroo	BHSS Khushipora		
05.	Chanapora	Tehsildar Chanapora	Tehsil Chanapora	Hyderpora & Peerbagh	Gogoland Humhama		
				Iram Lane Badshah Nagar, Azad Basti Natipora	Salafia School Parraypora		
				Barzulla	EDI Pampore		
				Nowgam, Bonapora	Govt. High School		

				Charillaora, Wanbal & SK Bagh	Rawalpora		
6.	Eidgah	Tehsildar Eidgah	Tehsil Eidgah	Nawa Kadal & Safa Kadal	Govt. Hr. Sec. School Nawa Kadal (Near Police Station)		
				Rampora, Chattabal, PC Depot	Community Centre Baghwanpora, Noorpora		
7.	Pantha Chowk	Tehsildar Pantha Chowk	Tehsil Pantha Chowk	Shivpora and Indra Nagar	GHSS Sonwar		
				Naz Colony Sempora, Pantha Chowk	Community Centre Khonmoh		
				Lasjan, Soitang, Gandbal	EDI Pampore		
				Tengam, Kenihama, Gangipora, Zoonimar, Shalina, Rakh Shalina, Samarbugh, Golipora	EDI Pampore		
				Batwara	Woodland School, Gupkar Road		
				Athwajan, Pandrethen , Pantha Chowk.	Community Centre Khonmoh		

## FLOOD DUTY CHART

Flood duty chart has been formulated by the Flood Control Division Srinagar wherein, members of District Coordination Committee are mentioned with Chief Engineer, Civil Investigation and Design, PDC Srinagar as its convener, as reproduced below:-

S.No	Officer with Designation	Assignment
1.	Chief Engineer, Civil Investigation and Design, PDC, Srinagar.	Convener
2.	District Development Commissioner Srinagar	Joint Convener
3.	Superintending Engineer Hydraulic Srinagar	Member Secretary
4.	Superintending Engineer Mechanical Irrigation Circle Srinagar.	Member
5.	Superintending Engineer R&B Circle Srinagar	Member
6.	Deputy General Manager, JKPCC unit (II).	Member
7.	Senior Superintendent of Police Srinagar	Member
8.	Deputy Director Health (Head Qur.) Srinagar.	Member
9.	Deputy Director State Road Transport Corporation (Planning) Srinagar.	Member
10.	Deputy Director State Motor Garage Srinagar.	Member
11.	Deputy Director Consumer Affairs & Public Distribution Department Srinagar.	Member
12.	Deputy Registrar Cooperative Srinagar.	Member
13.	Deputy Director Tourism Kashmir Srinagar.	Member
14.	Divisional Engineer Bharat Sanchar Nigam Limited Srinagar.	Member
15.	Executive Engineer Irrigation & Flood Control Division Srinagar.	Joint Member Secretary
15.	Executive Engineer Irrigation & Flood Control Division Srinagar.	Joint Member Secretary

## FINAL DUTY CHART

**Duty Roster of Beat Officers (Flood Zonal Committee, Srinagar)**

**Member Secretary: Er. Mushtaq Ahmad Shah (Executive Engineer I & FC Division Srinagar. (9419089442))**

Beat No.	Head quarter	Jurisdiction of Beat	Day Shift 08:00AM to 08:00PM	Night Shift 08:00AM to 08:00PM	Police Station and Mobile No`s	Contact No. Of concerned A.E.E
<b>Batwara Sector Pervaiz Ahmad Bhat Executive Engineer Project Circle Division 9419007128</b>						
1.	Tent near Habba Kadal Khatoon Memorial	R.P Bund of R/J from Sempora to Pantha Chowk	<b>Irfan Ahmad Shah</b> AEE Boulevard Sub Division of R&B Construction Div.II alongwith his entire staff.(9419009734)	<b>Firdous Ahmad Grata</b> A.E.E JKPCC unit 2 <sup>nd</sup> alongwith entire staff (8803913313)	Pantha Chowk 9596770560 7006411196	A.E.E (I & FC) Sub Div. Sonwar 7006437760 Zia-ul-Saba J.E 7006910752
2.	Tent at Batwara near M.E.S Lift Station	R.P Bund of R/J from Pantha Chowk to Munshi Bagh Gauge	<b>Qazi Javeed Amin</b> AEE left city Div. Sub Div. Of (R&B) construction Div.II alongwith his entire staff. 9797791777	<b>Mir Hilal Abbassi</b> AEE JKPCC unit 2 <sup>nd</sup> alongwith entire staff	Pantha Chowk 9596770560 RamMunshi Bagh 0194-2500830 9596770624	A.E.E (I & FC) Sub Div. Sonwar 7006437760 Zia-ul-Saba J.E 7006910752
3.	Site Office Estate Department Partap Park	R.P Bund of R/J from Munshi Bagh Gauge to Dhobji Ghat Gow Kadal and both banks od Tsunt Khul.	<b>Rais Ahmad</b> AEE N.H way sub Div. Of (R&B) construction Div. II alongwith entire staff (9419000601)	<b>Syed Aijaz Ahmad</b> Manager/AEE JKPCC unit 1 <sup>st</sup> alongwith entire staff (9906564067)	Maisuma 0194- 2454672 9596770628 Rambagh	A.E.E (I & FC) Sub Div. Sonwar 7006437760 G.M.Bhat ( J.E) 9419410105

4.	Govt. Boys High School Rangtheng	R.P Bund of R/J from Dhobji Ghat Gow Kadal to Chattabal Weir	<b>Rais Makdoomi</b> AEE (R&B) sub Div. City Roads Hauzari Bagh alongwith his entire staff. (9419501822)	<b>Peerzada Ghulam Mohi-ud Din</b> AEE JKPCC unit 2 <sup>nd</sup> alongwith his entire staff. (9469771719)	Maisuma 0194-2454672 9596770628 M.R.Gunj 0194-2455434,9596770746	A.E.E (I & FC) Sub Div. Sonwar 7006437760 Bashir Ahmad Khawaja ( J.E) 7006047936
<b>RIGHT RIVER CITY SECTOR Zulfikar Ahmad Parray Deputy General Manager Unit I JKPCC Haft Chinar9419001217</b>						
5.	Govt. Boys High School Palapora	R.P Bund of R/J from Chattabal Weir to Kreshbal	<b>Fayaz Ahmad Kumar</b> AEE (R&B) City Roads Sub Div. Batmaloo alongwith his entire staff (9469412776)	<b>Iftikhar Darvesh</b> Manager/AEE JKPCC unit alongwith entire staff (990684746)	Safa Kadal 0194-2425051 9596770662	A.E.E (I & FC) Sub Div. Eidgah 9419465601 Bashir Ahmad Khawaja ( J.E) 7006047936
6.	Govt. Middle School Takenwaripora	R.P Bund of R/J from Kreshbal to Gundi Roshan	<b>Mushtaq Ahmad Mir</b> AEE (R&B) City Roads Sub Div. Rainawari alongwith his entire staff (9596455533)	<b>Aijaz Ahmad Siddiqui</b> AEE Srinagar Development Authority Central Sub Div. alongwith his entire staff (7006035885)	Safa Kadal 0194-2425051 9596770662	A.E.E (I & FC) Sub Div. Eidgah 9419465601 Afaq Ahmad ( J.E) 7006951141 M. Umar (J.E) (9906535617)
7.	High School Sangam	R.P Bund of R/J from Gundi Roshan to Shadi Sangam (Numbli Bunds)	<b>Nazir Ahmad</b> AEE Investigation and Design alongwith entire staff. (7006858199)	<b>Shahab ur Rehman</b> AEE Landscape sub Div 1 <sup>st</sup> R&B alongwith entire staff. (7006858199)		A.E.E (I & FC) Sub Div. Eidgah 9419465601 Afaq Ahmad ( J.E) 7006951141 M. Umar (J.E) (9906535617)

**LASJAN SECTOR Masood Mir, Executive Engineer Landscape Division 9419005224**

8.	Zoonipora Middle School	LP Bund of R/J from Sumarbugh to Lasjan Bye pass Bridge.	<b>Iqram ul Haq Khan</b> AEE HQ sub Div. Of (R&B) construction Div.PC 1 <sup>st</sup> alongwith his entire staff. (9419085975)	<b>Abdul Hafiz Shah</b> AEE (R&B) sub div. of Truck Terminal Pantha Chowk alongwith entire staff. (7006708942)	Nowgam 0194-2439828 9596770559	A.E.E (I & FC) Sub Div. Sonwar 7006437760 M. Ayoub Baba (J.E) 7006044003
9.	Jamadar Shed Padshahi Bagh	LP Bund of R/J from Bye pass bridge on confluence of R/J with Padshahi Bagh Nallah incl. R/Bund og Padshahi Bagh Nallah with all marginal bunds.	<b>Abdul Rashid Mir</b> AEE Hospital sub Div. Of (R&B) construction Div.1 <sup>st</sup> alongwith his entire staff. (9419032506)	<b>Manzoor Ali</b> AEE sub Div. II S&D Div. Srinagar (UEED) alongwith his entire staff. (9596126418)	Nowgam 0194-2439828 9596770559	A.E.E (I & FC) Sub Div. Sonwar 7006437760 M. Ayoub Baba (J.E) 7006044003
10.	Primary School Chalipora	LP Bund of Padshahi Bagh Nallah upto off take of FS channel incl. Nowgam bunds and L>P bunds FS channel upto Rambagh.	<b>Kounsar Qari</b> AEE Landscape sub Div. 3 <sup>rd</sup> (R&B) alongwith his entire staff. (9697948814)	<b>Zahid Hussaain Bhat</b> T.O to Vice Chairman SDA alongwith his entire staff. (9419424870)	Saddar 0194-2432119 9596770523	A.E.E (I & FC) Sub Div. Sonwar 7006437760 M. Amin (J.E) 9419064427

**DUTY ROSTER OF BEAT OFFICERS (FLOOD ZONAL COMMITTEE, SRINAGAR)**  
**Secretary Er. Mushtaq Ahmad Shah (Executive Engineer I&FC div. Srinagar 9419089442)**

**Member**

<b>RAMBAGH SECTOR Imtiyaz Khaliq Deputy General Manager II JKPCCE Haft Chinar 9419059189</b>						
11.	Women`s Police Post Rambagh	RP Bund of FS channel from off take to Bye-pass bridge Tengpora.	<b>Basit Amin</b> AEE (R&B) PC 1 <sup>st</sup> sub Div. Bye pass alongwith his entire staff. 9419017891	<b>Kounsar Riyaz Koul</b> AEE Srinagar Development Authority sub Div. III alongwith his entire staff. 9419431110	Rambagh 9419028743 9596677624	A.E.E (I & FC) Sub Div. Sonwar 7006437760 M.Amin (J.E) 9419064427
12.	Municipal Cattle Pond Maharajapora near Bye-pass	RP Bund of FS channel from off take to Bye-pass bridge Tengpora to Parimpora.	<b>Arshid Hussain</b> AEE Investigation and Design alongwith entire staff. (9419008278)	<b>Tariq Ahmad</b> AEE Investigation and Design alongwith entire staff. (9419483244)	Parimpora 0194-2490027 9596770558	A.E.E (I & FC) Sub Div. Sonwar 7006437760 Zahid Rashid (J.E)
13.	Engineering Complex Rajbagh.	LP Bund of R/J from off take point of FS channel to <b>Div.Comm.Office</b> (off take of (Kuti Khuk)	<b>Abdul Manan</b> AEE JKPCCE unit 3 <sup>rd</sup> alongwith entire staff (9419027897)	<b>Mohammad Hanief</b> JE JKPCCE unit 3 <sup>rd</sup> alongwith entire staff (9596344556)	M.R.Gunj 0194- 2455434,9596770746 RamMunshi Bagh 0194-2500830 9596770624	A.E.E (I & FC) Sub Div. Sonwar 7006437760 M.Amin (J.E) 9419064427
<b>LEFT RIVER CITY SECTOR Abdul Waheed Executive Engineer Left River Circular Road Div. Srinagar 8717034244</b>						
14.	Public School Nawa Bazar	Both Banks of Kut Khul from Tankipora to Shah Kadal	<b>Mushtaq Ahmad Mir</b> AEE Sub Div. 1 <sup>st</sup> Brein Municipal Corporation Srinagar alongwith his entire staff	<b>Asif Ullah Khan</b> AEE (R&B) Rt.River Circular Roads Div. Sub Div. Barbarshah alongwith his entire staff	<b>Shaheed Gunj</b> 0194- 2455434 9596770746	A.E.E (I & FC) Sub Div. Sonwar 7006437760 M.Amin (J.E) 9419064427

			(9419628435)	(7006489437)		
15.	Govt. Girls High School Ashai Kocha Fateh Kadal	LP Bund of R/J from off take point of FS channel to <b>Div.Comm.Office</b> (off take of (Kuti Khuk) to Chattabal Weir.	<b>Altaf Nehvi</b> AEE Sub Div. 2 <sup>nd</sup> Safa Kadal Municipal Corporation Srinagar alongwith his entire staff (9419400757) Addl. Charge Zaffar Ahamd Qureshi (J.E) 9906788201	<b>Tasleem Ali</b> JE (R&B) Rt.River Circular Roads Div. Sub Div. Shahi Hamdan alongwith his entire staff (9596089456)	Safa Kadal 0194-2425051 9596770662 Shaheed Gunj 0194- 2455434 9596770746	A.E.E (I & FC) Sub Div. Sonwar 7006437760 Zahid Rashid (J.E)

**DUTY ROSTER OF BEAT OFFICERS (FLOOD ZONAL COMMITTEE, SRINAGAR)**

**Member Secretary Er.**

**Mushtaq Ahmad Shah (Executive Engineer I&FC Div. Srinagar 9419089442)**

16..	R&B Hospital Sub Div	Both banks of Sunri Khul from Syed Mansoor bridge to chattabal weir	<b>Altaf Nehvi</b> AEE Sub Div. 3 <sup>rd</sup> Nowpora Municipal Corporation Srinagar alongwith his entire staff (941907654)	<b>Firdous Ahmad</b> AEE (R&B) Rt.River Circular Roads Div. Sub Div. Haari Parbath alongwith his entire staff (9906499119)	Safa Kadal 0194-2425051 9596770662	A.E.E (I & FC) Sub Div. Sonwar 7006437760 G.M.Bhat J.E) 9419410105
17.	Tent near Chattabal weir	L.P Bund of R/J from Chattabal Weir to Parimpورا upto incl.gates of weir/lock channel.	<b>Shabir Ahmad Lone</b> AEE Srinagar Development Authority sub Div. 1 <sup>st</sup> alongwith his entire staff (9419011143)	<b>Farooq Ahmad</b> AEE Landscape sub Div 2 <sup>nd</sup> R&B alongwith entire staff. (7006098523)	Parimpورا 0194-2490027 9596770558	A.E.E (I & FC) Sub Div. Sonwar 7006437760 Zahid Rashid (J.E)
18.	Pump Station at L.I.S Shaltang	L.P Bund of R/J Parimpورا upto incl.gates of	<b>Abdul Majeed Dhobi</b> AEE Srinagar Let River circular Road Amira Kadal Div. alongwith his entire staff	<b>Bashir Ahmad</b> AEE Srinagar Left River	Parimpورا 0194-2490027 9596770558	A.E.E (I & FC) Sub Div. Eidgah



		weir/lock channel to Mujgund incl. Gates..	(9419070495)	Circular colony sub Div. alongwith his entire staff (9797821673)		9419465601 Sajad Ahmad (J.E) 7006165147
19.	Pump Station at L.I.S Panzinara.	L.P Bund of R/J Mujgund incl. gates. To Panzinara incl. Gates..	<b>Abdul Majeed Dhobi</b> AEE Srinagar Let River circular Road Amira Kadal Div. alongwith his entire staff (9419070495) Addl. Charge Bashir Ahmad Bhat (J.E) 9906672911	<b>Muneer ul Rasheed</b> AEE Mechanical tube well Irrigation Div. Srinagar alongwith his entire staff. 9469113630	Parimpora 0194-2490027 9596770558	A.E.E (I & FC) Sub Div. Eidgah 9419465601 Sajad Ahmad (J.E) 7006165147)
20.	I&FC sub Div Harwan	Left & Right side of Dachigam Nallah, Ishber canal, S.E canal tail Mavas canal.	<b>M. Najeeb Ahmad</b> AEE I&FC sub Div. Harwan alongwith his entire staff (9419013093,7006442340)	<b>Arif Ahmad</b> AE REW Harwan (Block Harwan) alongwith his entire staff. 9797096689	Harwan 9419001973 9596770626	A.E.E I&FC sub Div. Harwan 7006442340 Farooq Ah, mad (J.E) 9419027265

## RESOURCE INVENTORY

<b>Item Details</b>	<b>Department/Agency Details</b>	<b>Items Information</b>
Name- Gas Cutters Type- Specific Equipment Description- Portable	Mechanical Engineering Department Address- Shaltang Srinagar Tel No-2496322,2496328, 2497056 Mobile- 9419000473	Item Location-Department Available Time- Jan. – Dec Source- Govt Operator Available-Yes
Name- Blankets Type- Specific Equipment Description- Blankets	Deptt. Name- ISM Address- ADMO, Near Zum Zum Complex Rambagh. Tel. No.- 2442335, 2491153	No`s /Quantity Available- 24 No`s Item location-Deptt. Available Time- Jan. – Dec Source- Govt.
Name- Electric Generator (10 kv) Type- Specific Equipment Description- 2.4 KVA Generator	Deptt. Name- Education Address- Chief Education Officer, SP College Lane Srinagar. Contact- Chief Education Officer Address- Rajouri Kadal Srinagar Tel. No.- 2476854	No`s /Quantity Available- 19 No`s Item location-Hr. Sec. Schools of Srinagar District. Available Time- Jan. – Dec Source- Govt. Operator Available- NA
Name- Trucks- Ariel lift Type- Specific Equipment Description- Load Carrier	Deptt. Name- Mechanical Engineering Department Address- Shaltang Srinagar. Tel. No.- 2496322, 2496328, 2497056	No`s /Quantity Available- 30 No`s Item location-Deployed in different locations. Available Time- Jan. – Dec Source- Govt.
Name- Bulldozers Wheeled/Chain Type- Specific Equipment Description- Chained	Deptt. Name- Mechanical Engineering Department Address- Shaltang Srinagar. Tel. No.- 2496322, 2496328, 2497056	No`s /Quantity Available- 08 No`s Item location-Deployed in different locations. Available Time- Jan. – Dec Source- Govt.
Name- Earth Movers Type- Specific Equipment Description- Hydraulic Loaders	Deptt. Name- Mechanical Engineering Department Address- Shaltang Srinagar. Contact – Chief Engineer Tel. No.- 2496322, 2496328, 2497056 Mobile- 9419000473	No`s /Quantity Available- 03 No`s Item location-Deployed in different locations. Available Time- Jan. – Dec Source- Govt. Operator Available-Yes
Name- Tipper Type- Specific Equipment Description- Heavy Duty	Deptt. Name- Mechanical Engineering Department Address- Shaltang Srinagar. Contact – Chief Engineer Tel. No.- 2496322, 2496328, 2497056	No`s /Quantity Available- 06 No`s Item location-Deployed in different locations. Available Time- Jan. – Dec Source- Govt. Operator Available-Yes

	Mobile- 9419000473	
Name- Fire Lighting Foam Type- Critical Supplies Description- Fire Fighting	Deptt. Name- SKIMS Soura Srinagar. Contact – Director SKIMS Tel. No.- 2403306, 2402337,2401013 Mobile- 9419000317	No`s /Quantity Available- 20 No`s Item location-Different areas of Hospital Available Time- Jan.– Dec Source- Govt. Operator Available-NA
Name- Dry Chemical Powder Type- Critical Supplies Description- Cylinders	Deptt. Name- SKIMS Soura Srinagar. Contact – Director SKIMS Tel. No.- 2403306, 2402337,2401013 Mobile- 9419000317	No`s /Quantity Available- 20 No`s Item location-Different areas of Hospital Available Time- Jan.– Dec Source- Govt. Operator Available-NA
Name- Stretcher Normal Type-Specific Equipment Description- Stretcher	Deptt. Name- SKIMS Soura Srinagar. Contact – Director SKIMS Tel. No.- 2403306, 2402337,2401013 Mobile- 9419000317	No`s /Quantity Available- 20 No`s Item location-Deptt. Available Time- Jan.– Dec Source- Govt. Operator Available-NA
Name- Stretcher Normal Type-Specific Equipment Description- Stretcher	Deptt. Name- ISM Address- ADMO, Near Zum Zum Complex Rambagh. Tel. No.- 2442335, 2491153	No`s /Quantity Available- 02 No`s Item location-Deptt. Available Time- Jan.– Dec Source- Govt. Operator Available-NA
Name- Stretcher Normal Type-Specific Equipment Description- Normal	Deptt. Name- Health Address- Chief Medical Officer, Watlar Ganderbal. Contact- Chief Medical Officer Address- Watlar Ganderbal. Tel. No.- 2470413, 2102108	No`s /Quantity Available- 72 No`s Item location-District Stores Rambagh Available Time- Jan.– Dec Source- Govt. Operator Available-NA
Name- Stretcher Normal Type-Specific Equipment Description- Normal	Deptt. Name- Health Address- Chief Medical Officer, Old Secretariat Contact- Chief Medical Officer Address- Watlar Ganderbal Tel. No.- 2470413, 2102108	No`s /Quantity Available- 72 No`s Item location-District Stores Rambagh Available Time- Jan.– Dec Source- Govt. Operator Available-NA
Name- Stretcher Normal Type-Specific Equipment Description- Normal	Deptt. Name- Health Address- Chief Medical Officer, Old Secretariat Contact- Chief Medical Officer Address Watlar Ganderbal Tel. No.- 2470413, 2102108	No`s /Quantity Available- 72 No`s Item location-District Stores Rambagh Available Time- Jan.– Dec Source- Govt. Operator Available-NA
Name- Stretcher Normal Type-Specific Equipment Description- Normal	Deptt. Name- Health Address- Chief Medical Officer, Old Secretariat	No`s /Quantity Available- 56 No`s Item location-Ambulances of CMO, Ambulances of Kangan, City

	Address Watlar Ganderbal Contact- Chief Medical Officer Tel. No.- 2470413, 2102108	Institute of CMO Srinagar Available Time- Jan.– Dec Source- Govt. Operator Available-Yes
Name- Incubators for Children Type-Specific Equipment Description- Incubators	Deptt. Name- SKIMS Soura Srinagar. Contact – Director SKIMS Tel. No.- 2403306, 2402337,2401013 Mobile- 9419000317	No`s /Quantity Available- 05 No`s Item location-Ward 7A Available Time- Jan.– Dec Source- Govt. Operator Available-Yes
Name- First aid Kits Type-Specific Equipment Description- First and Kits	Deptt. Name- SKIMS Soura Srinagar. Contact – Director SKIMS Tel. No.- 2403306, 2402337,2401013 Mobile- 9419000317	No`s /Quantity Available- 1000 No`s Item location- Hospital Available Time- Jan.– Dec Source- Govt. Operator Available-Yes
Name- First aid Kits Type-Specific Equipment Description- First and Kits	Deptt. Name- Health Address- Chief Medical Officer, Old Secretariat Contact- Chief Medical Officer Srinagar Tel. No.- 2470413, 2102108	No`s /Quantity Available- 08 No`s Item location-CMO Office Available Time- Jan.– Dec Source- Govt. Operator Available-NA
Name- CT Scan Type-Specific Equipment Description- Siemens	Deptt. Name- SKIMS Soura Srinagar. Contact – Director SKIMS Tel. No.- 2403306, 2402337,2401013 Mobile- 9419000317	No`s /Quantity Available- 01 No`s Item location- X-Ray Deptt. Available Time- Jan.– Dec Source- Govt. Operator Available-Yes
Name- Portable Oxygen Cylinders Type-Specific Equipment Description- Oxygen Cylinders	Deptt. Name- SKIMS Soura Srinagar. Contact – Director SKIMS Tel. No.- 2403306, 2402337,2401013 Mobile- 9419000317	No`s /Quantity Available- 20 No`s Item location- Hospital Area Available Time- Jan.– Dec Source- Govt. Operator Available-Yes
Name- Portable Oxygen Cylinders Type-Specific Equipment Description- 02 Cylinders	Deptt. Name- ISM Address- ADMO, Near Zum Zum Complex Rambagh. Tel. No.- 2442335, 2491153	No`s /Quantity Available- 03 No`s Item location- Department Available Time- Jan.– Dec Source- Govt. Operator Available-NA
Name- Portable Oxygen Cylinders Type-Specific Equipment Description- 02 Cylinders	Deptt. Name- Health Address- Chief Medical Officer, Old Secretariat Contact- Chief Medical Officer Address- Watlar Ganderbal Tel. No.- 2470413, 2102108	No`s /Quantity Available- 02 No`s Item location- District Stores Available Time- Jan.– Dec Source- Govt. Operator Available-NA

Name- Portable X-Rays Type-Specific Equipment Description- Portable 20MA and 60 MA	Deptt. Name- Health Address- Chief Medical Officer, Old Secretariat Contact- Chief Medical Officer Address- Watlar Ganderbal Tel. No.- 2470413, 2102108	No`s /Quantity Available- 02 No`s Item location- Kangan Available Time- Jan.- Dec Source- Govt. Operator Available-NA
Name- Portable X-Rays Type- Specific Equipment Description- Portable X-Rays	Deptt. Name- SKIMS Soura Srinagar. Contact – Director SKIMS Tel. No.- 2403306, 2402337,2401013 Mobile- 9419000317	No`s /Quantity Available- 04 No`s Item location- Wards Available Time- Jan.- Dec Source- Govt. Operator Available-Yes
Name- Portable ECG Type- Specific Equipment Description- Portable ECG	Deptt. Name- SKIMS Soura Srinagar. Contact – Director SKIMS Tel. No.- 2403306, 2402337,2401013 Mobile- 9419000317	No`s /Quantity Available- 01 No`s Item location- AE Available Time- Jan.- Dec Source- Govt. Operator Available-Yes
Name- Portable ECG Type- Specific Equipment Description- Portable Multi Channel	Deptt. Name- Health Address- Chief Medical Officer, Old Secretariat Contact- Chief Medical Officer Address- Watlar Ganderbal Tel. No.- 2470413, 2102108	No`s /Quantity Available- 06 No`s Item location- District Stores/Zadibal/Gousia Hospital/Airport Available Time- Jan.- Dec Source- Govt. Operator Available-NA
Name- Portable Suction Unit Type- Specific Equipment Description- Manual	Deptt. Name- Health Address- Chief Medical Officer, Old Secretariat Contact- Chief Medical Officer Address- Watlar Ganderbal Tel. No.- 2470413, 2102108	No`s /Quantity Available- 02 No`s Item location- District Stores for Emergency. Available Time- Jan.- Dec Source- Govt. Operator Available-NA
Name- Portable Suction Unit Type- Specific Equipment Description- Manual	Deptt. Name- SKIMS Soura Srinagar. Contact – Director SKIMS Tel. No.- 2403306, 2402337,2401013 Mobile- 9419000317	No`s /Quantity Available- 04 No`s Item location- Wards Available Time- Jan.- Dec Source- Govt. Operator Available-Yes
Name- Mechanical Ventilators Type- Specific Equipment Description- Ventilators	Deptt. Name- SKIMS Soura Srinagar. Contact – Director SKIMS Tel. No.- 2403306, 2402337,2401013 Mobile- 9419000317	No`s /Quantity Available- 04 No`s Item location- Fixed in Intensive Care Available Time- Jan.- Dec Source- Govt. Operator Available-Yes
Name- Defibrillator Type- Specific Equipment	Deptt. Name- SKIMS Soura Srinagar.	No`s /Quantity Available- 02 No`s Item location- AE Cardiology

Description- Defibrillator	Contact – Director SKIMS Tel. No.- 2403306, 2402337,2401013 Mobile- 9419000317	Department Available Time- Jan.– Dec Source- Govt. Operator Available-NA
Name- Bronchodilators Type- Critical Supplies Description- Bronchodilators	Deptt. Name- SKIMS Soura Srinagar. Contact – Director SKIMS Tel. No.- 2403306, 2402337,2401013 Mobile- 9419000317	No`s /Quantity Available- 1000 No`s Item location- Drug Store Available Time- Jan.– Dec Source- Govt. Operator Available-NA
Name- Bronchodilators Type- Critical Supplies Description- Bronchodilators	Deptt. Name- Health Address- Chief Medical Officer, Old Secretariat Contact- Chief Medical Officer Address- Watlar Ganderbal Tel. No.- 2470413, 2102108	No`s /Quantity Available- 100 No`s Item location- PM Store Available Time- Jan.– Dec Source- Govt. Operator Available-NA
Name- Bronchodilators Type- Critical Supplies Description- Tab	Deptt. Name- ISM Address- ADMO, Near Zum Zum Complex Rambagh. Tel. No.- 2442335, 2491153	No`s /Quantity Available- 100 No`s Item location- Department Available Time- Jan.– Dec Source- Govt. Operator Available-NA
Name- Vaccines Type- Critical Supplies Description- INK	Deptt. Name- ISM Address- ADMO, Near Zum Zum Complex Rambagh. Tel. No.- 2442335, 2491153	No`s /Quantity Available- 100 No`s Item location- Department Available Time- Jan.– Dec Source- Govt. Operator Available-NA
Name- Vaccines Type- Critical Supplies Description- INK	Deptt. Name- Health Address- Chief Medical Officer, Old Secretariat Contact- Chief Medical Officer Address- Watlar Ganderbal Tel. No.- 2470413, 2102108	No`s /Quantity Available- 61085 No`s Item location- Deputy CMO Office Srinagar Available Time- Jan.– Dec Source- Govt. Operator Available-NA
Name- Anti Snake Venom Type- Specific Equipment Description- Life Saving	Deptt. Name- SKIMS Soura Srinagar. Contact – Director SKIMS Tel. No.- 2403306, 2402337,2401013 Mobile- 9419000317	No`s /Quantity Available- 05 No`s Item location- Different Wards Available Time- Jan.– Dec Source- Govt. Operator Available-NA
Name- General Physician Type- Human Resource Description- General Physician	Deptt. Name- SKIMS Soura Srinagar. Contact – Director SKIMS Tel. No.- 2403306, 2402337,2401013 Mobile- 9419000317	No`s /Quantity Available- 40 No`s Item location- NA Available Time- Jan.– Dec Source- Govt. Operator Available-NA

Name- General Physician Type- Human Resource Description- General Physician	Deptt. Name- Health Address- Chief Medical Officer, Old Secretariat Contact- Chief Medical Officer Address- Watlar Ganderbal Tel. No.- 2470413, 2102108	No`s /Quantity Available- 01 No`s Item location- NA Available Time- Jan.– Dec Source- Govt. Operator Available-NA
Name- Trauma Specialist Type- Human Resource Description- Trauma Specialist	Deptt. Name- SKIMS Soura Srinagar. Contact – Director SKIMS Tel. No.- 2403306, 2402337,2401013 Mobile- 9419000317	No`s /Quantity Available- 10 No`s Item location- NA Available Time- Jan.– Dec Source- Govt. Operator Available-NA
Name- Surgeon Type- Human Resource Description-	Deptt. Name- SKIMS Soura Srinagar. Contact – Director SKIMS Tel. No.- 2403306, 2402337,2401013 Mobile- 9419000317	No`s /Quantity Available- 40 No`s Item location- NA Available Time- Jan.– Dec Source- Govt. Operator Available-NA
Name- Surgeon Type- Human Resource Description- Surgeon	Deptt. Name- Health Address- Chief Medical Officer, Old Secretariat Contact- Chief Medical Officer Address- Watlar Ganderbal Tel. No.- 2470413, 2102108	No`s /Quantity Available- 02 No`s Item location- NA Available Time- Jan.– Dec Source- Govt. Operator Available-NA
Name- Anaesthetist Type- Human Resource Description- Anestheist	Deptt. Name- SKIMS Soura Srinagar. Contact – Director SKIMS Tel. No.- 2403306, 2402337,2401013 Mobile- 9419000317	No`s /Quantity Available- 20 No`s Item location- NA Available Time- Jan.– Dec Source- Govt. Operator Available-NA
Name- Gynaecologist Type- Human Resource Description- Gynaecologist	Deptt. Name- SKIMS Soura Srinagar. Contact – Director SKIMS Tel. No.- 2403306, 2402337,2401013 Mobile- 9419000317	No`s /Quantity Available- 06 No`s Item location- NA Available Time- Jan.– Dec Source- Govt. Operator Available-NA
Name- Radiologist Type- Human Resource Description- Radiologist	Deptt. Name- SKIMS Soura Srinagar. Contact – Director SKIMS Tel. No.- 2403306, 2402337,2401013 Mobile- 9419000317	No`s /Quantity Available- 05 No`s Item location- NA Available Time- Jan.– Dec Source- Govt. Operator Available-NA
Name- Paramedics Type- Human Resource Description- Paramedics	Deptt. Name- SKIMS Soura Srinagar. Contact – Director SKIMS	No`s /Quantity Available- 150 No`s Item location- NA Available Time- Jan.– Dec

	Tel. No.- 2403306, 2402337,2401013 Mobile- 9419000317	Source- Govt. Operator Available-NA
Name- Paramedics Type- Human Resource Description- Paramedics	Deptt. Name- Health Address- Chief Medical Officer, Old Secretariat Contact- Chief Medical Officer Address- Watlar Ganderbal Tel. No.- 2470413, 2102108	No`s /Quantity Available- 233 No`s Item location- NA Available Time- Jan.- Dec Source- Govt. Operator Available-NA
Name- Lab Technicians Type- Human Resource Description- Technical Assistant	Deptt. Name- Health Address- Chief Medical Officer, Old Secretariat Contact- Chief Medical Officer Address- Watlar Ganderbal Tel. No.- 2470413, 2102108	No`s /Quantity Available- 16 No`s Item location- NA Available Time- Jan.- Dec Source- Govt. Operator Available-NA
Name- Lab Technicians Type- Human Resource Description- Lab Technicians	Deptt. Name- SKIMS Soura Srinagar. Contact – Director SKIMS Tel. No.- 2403306, 2402337,2401013 Mobile- 9419000317	No`s /Quantity Available- 150 No`s Item location- NA Available Time- Jan.- Dec Source- Govt. Operator Available-NA
Name- OT Assistants Type- Human Resource Description- OT Attendants	Deptt. Name- SKIMS Soura Srinagar. Contact – Director SKIMS Tel. No.- 2403306, 2402337,2401013 Mobile- 9419000317	No`s /Quantity Available- 150 No`s Item location- NA Available Time- Jan.- Dec Source- Govt. Operator Available-NA
Name- OT Assistants Type- Human Resource Description- OT Assistant	Deptt. Name- Health Address- Chief Medical Officer, Old Secretariat Contact- Chief Medical Officer Address- Watlar Ganderbal Tel. No.- 2470413, 2102108	No`s /Quantity Available- 02 No`s Item location- NA Available Time- Jan.- Dec Source- Govt. Operator Available-NA
Name- Medical First Responders Type- Human Resource Description- Responders	Deptt. Name- Health Address- Chief Medical Officer, Old Secretariat Contact- Chief Medical Officer Address- Watlar Ganderbal Tel. No.- 2470413, 2102108	No`s /Quantity Available- 105 No`s Item location- NA Available Time- Jan.- Dec Source- Govt. Operator Available-NA
Name- Corrugated Galvanized Iron Sheets Type- Specific Equipment Description- CGI Sheets	Deptt. Name- PWD Roads & Buildings Address- R&B Construction DIV-II Contact – Executive Engineer Tel. No.- 2481623	No`s /Quantity Available- 01 Metric Ton Item location- Divisional Stores Available Time- Jan.- Dec Source- Govt. Operator Available-NA



Name- 4 Wheel Drive Vehicle Type- Specific Equipment Description-4 Jeeps one Ambassador	Deptt. Name- PWD Address- R&B Rajbagh Contact – Engg. Complex RajBagh Tel. No.- 2310482 Mobile- 9419000291	No`s /Quantity Available- 5 No`s Item location- Within the Department Available Time- Jan.– Dec Source- Govt. Operator Available- Yes
Name- 4 Wheel Drive Vehicle Type- Specific Equipment Description- Light Vehicle	Deptt. Name- R&B Address- R&B Circular Road Project Circle Contact – Superintending Engineer Tel. No.- 2311490	No`s /Quantity Available- 6 No`s Item location- Within the Department Available Time- Jan.– Dec Source- Govt. Operator Available- Yes
Name- 4 Wheel Drive Vehicle Type- Specific Equipment Description- Jeep	Deptt. Name- PWD (Roads & Buildings) Address- R&B Construction DIV-II Contact – Executive Engineer Tel. No.- 2481623	No`s /Quantity Available- 1 No`s Item location- Divisional Office Exchange Road Srinagar Available Time- Jan.– Dec Source- Govt. Operator Available- Yes
Name- 4 Wheel Drive Vehicle Type- Specific Equipment Description- Jeep	Deptt. Name- Public Health Engineering Address- Rural Water Supply Division Nowshara Srinagar Contact – Executive Engineer Tel. No.- 2423195, 2441395	No`s /Quantity Available- 1 No`s Item location- Office Available Time- Jan.– Dec Source- Govt. Operator Available- Yes
Name- 4 Wheel Drive Vehicle Type- Specific Equipment Description- Jeep GYPSY	Deptt. Name- Education Address- Chief Education Officer, SP College Lane Srinagar. Contact – Chief Education Officer Tel. No.- 2476854	No`s /Quantity Available- 02 No`s Item location- CEO/ Deputy CEO Offices. Available Time- Jan.– Dec Source- Govt. Operator Available- Yes
Name- 4 Wheel Drive Vehicle Type- Specific Equipment Description- Jeep Mahindra	Deptt. Name- District Agriculture Office Extension Srinagar Address- Lal Mandi Srinagar Contact – Chief Agriculture Officer Tel. No.- 0194-2310722	No`s /Quantity Available- 01 No`s Item location- Department Available Time- Jan.– Dec Source- Govt. Operator Available- NA
Name- 4 Wheel Drive Vehicle Type- Specific Equipment Description- Jeep	Deptt. Name- Roads & Buildings Address- Right River Circular Road Division Kak Sarai Srinagar Contact – Executive Engineer Tel. No.- 0194-2482617	No`s /Quantity Available- 01 No`s Item location- Department Available Time- Jan.– Dec Source- Govt. Operator Available- NA
Name- 4 Wheel Drive Vehicle Type- Specific Equipment Description- Four Jeeps, One Ambassador	Deptt. Name- PWD (Roads & Buildings) Address- Roads & Buildings Deptt. Kak Sarai Srinagar Contact – Executive Engineer	No`s /Quantity Available- 05 No`s Item location- Department Available Time- Jan.– Dec Source- Govt. Operator Available- No

	Tel. No.- 0194-2310482	
Name- 4 Wheel Drive Vehicle Type- Specific Equipment Description- Four Wheeled Vehicle	Deptt. Name- SKIMS Soura Srinagar Address- Soura Srinagar Contact – Director Soura Tel. No.- 0194-2403306, 2402337, 2401013	No`s /Quantity Available- 02 No`s Item location- Transport Department Available Time- Jan.– Dec Source- Govt. Operator Available- Yes
Name- Truck Type- Specific Equipment Description- Truck	Deptt. Name- SKIMS Soura Srinagar Adress- Soura Srinagar Contact – Director Soura Tel. No.- 0194-2403306, 2402337, 2401013	No`s /Quantity Available- 02 No`s Item location- Transport Department Available Time- Jan.– Dec Source- Govt. Operator Available- Yes
Name- Truck Type- Specific Equipment Description- Truck	Deptt. Name- ISM Address- ADMO, Near Zum Zum Complex Rambagh. Tel. No.- 2442335, 2491153	No`s /Quantity Available- 01 No`s Item location- Department Available Time- Jan.– Dec Source- Govt. Operator Available- Yes
Name- Truck Type- Specific Equipment Description- Truck	Deptt.- Mechanical Engineering Department Address- Shaltang Srinagar Tel No-2496322,2496328, 2497056 Mobile- 9419000473	No`s /Quantity Available- 01 No`s Item location- Department Available Time- Jan.– Dec Source- Govt. Operator Available- Yes
Name- Mini Bus Type- Specific Equipment Description- Mini Bus	Deptt. Name- SKIMS Soura Srinagar Address- Soura Srinagar Contact – Director Soura Tel. No.- 0194-2403306, 2402337, 2401013	No`s /Quantity Available- 04 No`s Item location- Transport Department Available Time- Jan.– Dec Source- Govt. Operator Available- Yes
Name- Bus Type- Specific Equipment Description- Bus	Deptt. Name- SKIMS Soura Srinagar Address- Soura Srinagar Contact – Director Soura Tel. No.- 0194-2403306, 2402337, 2401013	No`s /Quantity Available- 05 No`s Item location- Transport Department Available Time- Jan.– Dec Source- Govt. Operator Available- Yes
Name- Trailer Type- Specific Equipment Description- Heavy Vehicle	Mechanical Engineering Department Address- Shaltang Srinagar Tel No-2496322,2496328, 2497056 Mobile- 9419000473	No`s /Quantity Available- 01 No`s Item location- Remain Dep[oyed in Different Locations. Available Time- Jan.– Dec Source- Govt. Operator Available- Yes
Name- Heavy Truck Type- Specific Equipment Description- Heavy Truck	Deptt.- Public Health Engineering Address- Rural Water Supply Div. Nowshera Srinagar Tel No-2423195,2441395	No`s /Quantity Available- 01 No`s Item location- Office Available Time- Jan.– Dec Source- Govt.

	Mobile- 9419001600	Operator Available- Yes
Name- Light Ambulance Van Type- Specific Equipment Description- Van	Deptt. Name- SKIMS Soura Srinagar Adress- Soura Srinagar Contact – Director Soura Tel. No.- 0194-2403306, 2402337, 2401013	No`s /Quantity Available- 01 No`s Item location- Transport Department Available Time- Jan.– Dec Source- Govt. Operator Available- Yes
Name- Light Ambulance Van Type- Specific Equipment Description- Van	Deptt. Name- Health Address- Chief Medical Officer, Old Secretariat Contact- Chief Medical Officer Address- Watlar Ganderbal Tel. No.- 2470413, 2102108	No`s /Quantity Available- 08 No`s Item location- Gousia, Ganiwan, Kangan, CMO Office, Manigam, Baba Nagri, wangat, Kul Available Time- Jan.– Dec Source- Govt. Operator Available- Yes
Name- Medium Ambulance Van Type- Specific Equipment Description- Van	Deptt. Name- Health Address- Chief Medical Officer, Old Secretariat Contact- Chief Medical Officer Address- Watlar Ganderbal Tel. No.- 2470413, 2102108	No`s /Quantity Available- 09 No`s Item location- Kangan Block, CMO Office, MLA Hostel. Available Time- Jan.– Dec Source- Govt. Operator Available- Yes
Name- Medium Ambulance Van Type- Specific Equipment Description- Van	Deptt. Name- ISM Address- ADMO, Near Zum Zum Complex Rambagh. Tel. No.- 2442335, 2491153	No`s /Quantity Available- 01 No`s Item location- department Available Time- Jan.– Dec Source- Govt. Operator Available- Yes
Name- Medium Ambulance Van Type- Specific Equipment Description- Van	Deptt. Name- SKIMS Soura Srinagar Adress- Soura Srinagar Contact – Director Soura Tel. No.- 0194-2403306, 2402337, 2401013	No`s /Quantity Available- 06 No`s Item location- Transport Department Available Time- Jan.– Dec Source- Govt. Operator Available- Yes
Name- Water Tanker- Large Capacity Type- Specific Equipment Description- Water Tanker	Deptt.- Public Health Engineering Address- Rural Water Supply Div. Nowshera Srinagar Tel No-2423195,2441395 Mobile- 9419001600	No`s /Quantity Available- 04 No`s Item location- Office Available Time- Jan.– Dec Source- Govt. Operator Available- Yes
Name- V- SAT Type- Specific Equipment Description- V- SAT	Deptt. Name- SKIMS Soura Srinagar Adress- Soura Srinagar Contact – Director Soura Tel. No.- 0194-2403306, 2402337, 2401013	No`s /Quantity Available- 01 No`s Item location- Hospital Available Time- Jan.– Dec Source- Govt. Operator Available- Yes

## Resources available with irrigation and flood control department

### CENTRAL STORES FLOOD COMMITTEE

(Head Quarter: Mechanical Irrigation Construction Division Srinagar)

(Phone No: 9796653404/9797056037)

<u>S. No</u>	<u>Particular.</u>	<u>Shift.</u>	
		<u>DAY</u>	<u>NIGHT</u>
1.	Technical Officer With S.E with MICD Srinagar	8 AM to 8 PM.	
2.	Assistant Accounts Officer, Mechanical Irrigation Construction Divn. Srinagar		8 PM to 8 AM.
3.	Assistant Executive Engineer / A.E Stores Mechanical Irrigation Construction Division, Srinagar.	Round the Clock	
4.	Assistant Engineer with Executive Engineer Mechanical Irrigation Construction Division Sgr.	8 AM to 8 PM.	
5.	Junior Assistant I/C Stock Mechanical Irrigation Construction Divn. Srinagar.		8 PM to 8 AM.
6)	Store Keeper Mechanical Irrigation Construction Divn. Srinagar	Shall remain on duty round the clock for entire flood period along with his staff.	

**LIST OF FLOOD STORES TO BE ISSUED TO EACH BEAT OFFICERS SRINAGAR ZONES**

**Total Number of Beats in Srinagar Zone-20.**

<b>S. No</b>	<b>Particular.</b>	<b>Quantity Required for each Beat.</b>	<b>Total Quantity required in Stores</b>
1.	Empty Cement Bags.	5500 bags	1, 10,000 bags.
2.	Search Light	2 Nos	40 Nos
3.	Pick axes	6 Nos.	120 Nos
4.	Shovels	6 Nos	120 Nos
5.	Torches	4 Nos	80 Nos
6.	Baskets	8 Nos	160 Nos
7.	Torch cells	8 Nos	160 Nos
9.	Sewing needles	6 Nos	120 Nos
10.	Rain Coat with cap	3 Nos	60 Nos
11.	Sutli	1 ½ Kgs	30 Kgs
12.	Water Can	1 No	20 Nos
13.	Folding Bed	1 No	20 Nos
14.	Plastic Chairs	2 Nos	40 Nos
15.	Life Saving Jackets	2 Nos	40 Nos
16.	Long Boots	4 Nos	80 Nos

**Total No: of Beats in Srinagar Zone -20.**

S. No	Particular.	Quantity Required for each Beat.	Total Quantity required in Stores	QTY Available in Store	Balance Qty
1.	Empty Cement Bags.	5500 bags	1, 10,000 bags.	211531 Bags	--
2.	Search Lights	2 Nos	40 Nos	14	26 Nos
3.	Pick Axes	6 Nos	120 Nos	150 Nos	---
4.	Shovels	6 Nos	120 Nos	100 Nos	20 Nos
5.	Torches	4 Nos	80 Nos	33 No`s	47 Nos
6.	Baskets	8 Nos.	160 Nos	---	160 Nos
7.	Torch Cells	8 Nos	160 Nos	---	120 Nos
8.	Sewing Needles	6 Nos	120 Nos	---	---
9.	Rain Coat With Cap	3 Nos	60 Nos	56 Nos	04
10.	Sutli	1 ½ kgs	30 Kgs	---	30 Kg
11.	Water Can	1 Nos	20 Nos	---	20 Nos
12.	Folding Bed	1 Nos	20 Nos	04 Nos	16 Nos
13.	Plastic Chairs	2 Nos	40 Nos	---	40 Nos
14.	Life Saving Jackets	2 Nos	40 Nos	---	40 Nos
15.	Long Boots	4 Nos	80 Nos	12 No`s	68 Nos

## **Resources available with Air Force**

Air force station Srinagar has standard operating procedure for Disaster Management.

To cater for various kinds of disaster, equipment held on the strength of the station are as follows:

- a. Helicopter for providing relief material and evacuation of personnel
- b. Medical equipment to provide immediate relief.
- c. Motor Transport vehicles for movement of personal and equipments as required.

During various contingencies, additional support from Air HQ and command Headquarters would be provided to augment the existing facilities.

## Resources available with Sashastra Seema Bal

The inventory of flood management related equipments available with RRT (Rescue Relief Team) SHO,SSB,Srinagar are given as under:-

Sno	Nomenclature	QTY.	Remarks
1	i) Raksha poly coat boat with all accessories	02 Nos.	
	ii) Obm,(engine)	02 Nos.	
	iii) Fuel Tank	02 Nos.	
	iv) Fuel link (pipe)	02 Nos.	
	v) Plate From set	02 Nos.	
	vi) Anchoring rope	02 Nos.	
	vii) Paddle	04 Nos.	
	viii) Tool kit	02 Nos	
	ix) Foot pump	02 Nos.	
2	Life Jacket	20 Nos	
3	Life body	04 Nos.	
4	Reflective jacket	01 Nos	
5	Snow Goggles	15 Nos.	
6	Shovel	03 Nos	
7	Spades	02 Nos	
8	Bucket Iron	04 Nos	
9	Safety Touch	05 Nos	
10	Fire extinguisher(dcp)	02 Nos	
11	Portable Generator set (1.4 kva)	01 Nos	
12	Portable Generator set (2.5 kva)	01 Nos	
13	GPS	01 Nos	
14	Jacket (Reflective Jacket RRT)	32 Nos	
15	rt	32 Nos	
16	Trousers	32 Nos	
17	Helmet	33Nos	
18	S.S.B Cap	33Nos	



## Resources available with SDRF

Name of equipment	Total Quantity Available	Disposition /place of allotment
Inflatable rubber Boat with four stroke 25 HP OBM	07	Available at SDRF BN Hqrs Srinagar
Fibre Motorised Boats with 75 HP, 4 stroke OBM	07	04 deployed at Dal Lake Nehru park and 03 deployed in River Jhelum Near Zero bridge Srinagar along with SDRF water Rescue Teams
Fibre Boats Manual (chappu type)	05	03 with SDRF QRT Dal Lake and 02 available at Bn Hqrs Srinagar
Under water personal Diving kit	10	Available at SDRF Bn Hqrs.
Life saving Jackets	24	08 with SDRF QRT Nehru park Dal lake 02 with SDRF QRT River Jhelum at 14 available in Bn Hqrs
Life Buoy	08	With SDRF QRT Dal Lake Nehru Park.

## **OPERATIONAL GUIDELINES**

### **Basic safety precautions to be taken:**

- Listen to radio / TV for the latest weather bulletins and flood warnings. Pass on the information to others.
- Make a family emergency kit which should include; a portable radio / transistor, torch, spare batteries, a first aid box along with essential medicines, ORS, dry food items, drinking water, matchboxes, candles and other essential items.
- Keep torches / lamp, ropes, rubber tubes, umbrella and bamboo stick in your house. These could be useful.
- Keep your cash, jewellery, valuables, important documents etc in safe place.
- If there is a flood, move along with your family members and cattle to safe areas like relief camps, evacuation centers, elevated grounds where you can take shelter.
- Turn off power and gas connections before leaving your house.

### **During Floods**

- Don't enter into flood waters; it could be dangerous.
- Don't allow children to play in or near flood waters.
- Stay away from sewerage line, gutters, drains, culverts etc.
- Be careful of snakes; snake bites are common during floods.
- Stay away from electric poles and fallen power lines to avoid electrocution.
- Don't use wet electrical appliances – get them checked before use.
- Eat freshly cooked and dry food. Always keep your food covered.
- Use boiled and filtered water.
- Keep all drains, gutters near your house clean.
- Stagnation of water can breed vector / water-borne diseases. In case of sickness, seek medical assistance.
- Use bleaching powder and lime to disinfect the surroundings.

## **TASKS AT HAND**

### **MUST DO'S**

1. The District has its Disaster Management plan ready. It shall be open to reviews and feedback shall be solicited from experts so as to make this basic document comprehensive and useful.
2. The District Disaster Management committee has been constituted and it will meet to take up the assignment of Disaster Management practically.
3. The Disaster Management plan shall be integrated with all development plans of the district. It shall be made mandatory to incorporate Disaster resistant technology in all construction designs.
4. Such lifeline/public buildings are being identified which are prone to get damaged due to earthquakes. It will include a list of schools, hospitals, colleges, courts; etc which requires retrofitting and estimates shall be framed for effecting necessary repairs and reinforcements in the said buildings.
5. Risk assessment and vulnerability analysis shall be conducted and the area in district Srinagar prone to natural disasters shall be demarcated.
6. IEC (Information, Education and Communication) activities shall be organized. Awareness about Disaster Management (pre and post disaster) shall be created among masses. Self-learning print material shall be distributed among the people.
7. Training programmes shall be conducted for engineers to acquaint them about Disaster Management and the use of earthquake resistant technology. Building bye laws & BIS guidelines shall also be emphasized in these programmes.
8. Mock drills and simulation exercises by various departments shall be conducted at District and Tehsil levels and participation of community members shall also be encouraged in awareness programmes and mock drills.
9. The departments shall be asked to come up with their own Disaster Management Plans. This would make the role of line-departments more lucid and these micro-plans shall induce Disaster Management activities in all sectors/departments.

10. The Exercise for constitution of the Tehsil-Level Committee of officers has been made, who will implement Disaster Management Plan, coordinate activities at the Tehsil Level. They shall represent key departments and they will also be responsible for operationalising Control Room at Tehsil Level during emergency situations.
11. The Map of the District, Tehsils and Blocks shall be made available to District Control Room and Tehsil committees. The route map and alternate route map shall also be prepared. R&B department shall have the responsibility of preparing all the relevant maps.
12. The resource inventory and databank shall be updated in April of every year and modifications to Disaster Management Plan shall also be made accordingly.
13. The requirement of essential equipment required for post-Disaster Management shall be worked out and the important civil works which need to be taken up on priority shall be identified. Such civil works shall form a part of Disaster Mitigation and Prevention Strategy.

## **Conclusion and Way forward**

It takes year's together and huge/copious amount of funds to build roads, bridges, buildings and have all other infrastructure like communication, industries, electricity, water supply etc. But unfortunately when a disaster strikes everything is razed to ground and the losses are monumental. The years of progress come to nothing and a disaster brings an abrupt end to all such accomplishments. The threat to the development gains posed by disaster has to be minimized to a large extent.

Though calamities like floods, landslides, erosion, heavy snow, and soil erosion do cause of life & property but still the impact can be minimized by swift action. The damage caused by floods, landslides, erosion and snow is not all pervasive and extensive. But one of the biggest vulnerabilities of this region, the earthquake, poses a colossal threat to progress and development. Since, this region falls in Seismic Zone 5, if an earthquake of high intensity strikes, there a bound to be extensive loss of life & property. Th fact that occurrence of earthquake cannot be predicted in advance; it is all the more important that we are in preparedness and take measures so as to mitigate the adverse impact of earthquake on life 7 property. So, we need to act during normal times as natural calamity can strike anytime. Disaster Management & Mitigation has to be peace time activity.

### **1. INCORPORATING DISASTER MANAGEMENT IN DEVELOPMENT**

Our kind of development is leading to disaster vulnerability & not disaster mitigation. In that sense, there happens to be a linkage between development (unplanned] and disaster. It is now well known that earthquakes, per se, do not kill. At the time of severe earthquakes, it is the collapsing/falling buildings that kill people (under its rubble). The reason is that most of our buildings, private and public, are not earthquake resistant and adoption of earthquake resistant technology has been completely ignored. Our development plans do not encompass Disaster Management in its fold.

Our development plans should have disaster management as its essential component. Incorporation of mitigation components in the development plans shall facilitate implementation of both the disaster management plan and district's development plan and it shall pave way for long term risk reduction. Our development shall not be hazardous but it shall withstand the destructive impact of disasters. We need to place our infrastructural development around the guidelines set for buildings in high

seismic-zone areas. We need to adhere to rules strictly and ensure compliance to building bylaws on part of the engineers and builders.

The need is to make suitable changes to the District Development Plan and integrate Disaster Management component with every development activity. This is possible even when additional funds for disaster mitigation are hard to come by. For instance, if there is a plan for building ten school buildings in the district for a particular year, it is better to construct only eight schools and the saving of two buildings can be utilized for constructing these eight schools with earthquake resistant technology. So instead of having ten unsafe structures we shall have eight safe & earthquake resistant school buildings.

Therefore, it is important to sensitize our planners about the vulnerabilities of a location and the need to have a comprehensive developmental plan, which also addresses the collateral risks involved.

Our kind of development should not lead to a disaster but prevent disasters from bringing our years of progress to nothing. As more & more development of infrastructure takes place, our economic losses due to disasters are bound to increase if our infrastructure is not disaster-resistant. We have to ensure proper planning and designing so that the few minutes of say, a violent earthquake, does not destroy our years of development & progress.

## **2. IDENTIFICATION OF AREAS VULNERABLE TO DISASTERS**

There are many areas in district Srinagar which are very susceptible to natural calamities like earthquakes, landslides, erosion, floods etc. Occurrence of any of these disasters could cause loss of life and property.

A high-intensity earth quake in congested localities, where non-engineered houses and buildings have come up, can cause huge fatalities, more so when thousands of people live in clusters having weak structures and narrow lanes. At the time of earthquake panic-stricken people usually run out of their houses and in congested localities they could come under the falling debris.

So the plan would be to identify disaster prone and vulnerable areas in Srinagar district so that residential colonies are raised at safe locations and people living in risk prone areas are rehabilitated elsewhere. Geology & Mining department shall be

involved in identification of vulnerable areas. The concerned department would be asked to prepare a geological map which would delineate areas in district Srinagar that can be exposed to the impact of strong earthquakes and other natural disasters.

Once Geology department maps these areas, no construction activity would be allowed in these danger zones. The Geological experts would be requested to complete this activity / assignment within a reasonable time frame.

### **3. BUILDING PERMISSION**

Srinagar Municipal Corporation regulate construction of houses within its jurisdiction and people have to obtain building permission for new construction. This is where local authorities can ensure that settlements don't come up in unsafe areas.

There has to be a regulatory frame-work in place which would discourage construction activity in areas vulnerable to impact of earthquakes and other disasters like floods, landslides etc. Once the Geological map of District Srinagar is ready, the Tehsil / Block Officers and even Panchayats would be given authority to deal with unplanned construction activity. It shall be made mandatory to seek building permission from the concerned Government offices / Panchayat bodies. This would arrest uncontrolled and haphazard construction of houses and that too in risk prone areas. Enforcement of laws is important in this regard to not allow people to settle in susceptible areas.

### **4. RETROFITTING/STRENGTHENING OF EXISTING BUILDINGS**

There are so many buildings in the district which have been constructed without adhering to the BIS norms pertaining to the earthquake resistant construction. This means that such buildings are not safe enough to resist the impact of a severe earthquake. If earthquake resistant technology is used in construction of buildings, such structures can withstand earthquakes up to a certain magnitude.

Especially public buildings such as hospitals, courts, colleges, schools and other government offices have huge presence of people at any given point of time. If these buildings are prone to damage by earthquakes of higher intensity, it is time that we strengthen these buildings by opting for retrofitting. As is evident from Gujarat and Kashmir Earthquake in past two years, there



was a huge loss of lives of school children due to collapse of school buildings. So we must go for long term strengthening / retrofitting of public buildings to avoid future losses. The technology and expertise for this is available in the country.

Retrofitting of buildings not initially designed for earthquake shall cost an extra 10-18% of the cost of the building. It involves laying of horizontal & vertical seismic belts and other reinforcements.

The strategy would be to prepare a list of public buildings requiring retrofitting. For this the trained engineers would be asked to inspect/examine government/public buildings in the entire district and suggest which of these buildings require repairs. The services of structural engineers having expertise in retrofitting shall also be hired. A sizable portion of funds shall be earmarked each year for retrofitting of the existing public buildings in the earthquake zone. Not only would the risk of loss of lives be minimized but also these very buildings \_\_\_ hospitals, schools, government offices serve as lifelines and makeshift rehabilitation centers in the aftermath of a disaster.

#### **5. TRAINING OF ENGINEERS, ARCHITECTS AND OTHER KEY PERSONNEL**

Not much head way can be made with regard to Disaster Prevention & Mitigation if the engineers are not trained in the job at hand. Till date the construction of buildings has been generally non-engineered, not conforming to the Bureau of Indian Standards (BIS). Majority of buildings in District Srinagar are not resistant to earthquakes.

Hence forth the strategy would be to construct all new buildings according to the building bye laws. BIS codes shall have to be followed strictly.

In order to achieve this, it is essential to impart training to all the engineers of the district in a phased manner so that they get trained in adoption of earth quake resistant technology, while designing and constructing new buildings.

For capacity development of engineers & architects, the district administration shall seek assistance from organizations like National Institute of Disaster Management (NIDM) and Ministry of Home Affairs' Urban Earthquake Vulnerability Reduction Programme (UEVRP); which is a Govt. of India - UNDP Disaster Risk Management Programme. The trained engineers would further give training to works' supervisors and masons.

## **6. ESTABLISHMENT OF SPECIAL BIS CELL:**

At the same time, all the engineering departments would be asked to establish a special BIS Cell which would be competent to technically check all building designs and construction estimates. This cell would ensure adherence to the prescribed building codes in the seismic zone IV & V . This special cell would also offer expert advice to private builders and other interested parties in helping them to take advantage of the earthquake resistant technology.

## **7. IEC PROGRAMMES**

### ***INFORMATION, EDUCATION & COMMUNICATION***

For a long time now; we have been in slumber and our method of dealing with a disaster has been that after it had struck, we would commence rescue, relief operations and rehabilitation of affected people. There was nothing like the prevention and mitigation strategy in place. Our lack of resources, education and knowledge about disasters also did not help our cause.

But after a few big disasters that hit the country like Gujarat earthquake, South Asian Tsunami, Snow Storm at Waltengoo J&K and last year's 7.4 magnitude earthquake, we have started thinking on positive lines. More so because we are living in seismic zone IV & V. Our bitter experience with some of the recent calamities has goaded us into action and our awareness level about disasters has improved a little.

More such awareness is needed on a large scale so that disaster management campaign is started everywhere in urban & rural areas. The efforts of all the Government departments have to multiply. Each sector has to do a risk analysis and fix its role and responsibility in disaster mitigation & prevention.

Therefore education about disasters & its management has to be spread far & wide. Educating common masses is equally important through awareness programmes, media and mock drills. It is also high time that disaster management is included in the school curriculum as a subject. The IEC Programmes in schools & colleges should become very common. Debates, workshops and symposia on disaster management can create significant awareness.

Guides/ leaflets/ handouts on how to be prepared for a disaster, how to mitigate the threat, Do's & don't during and after the disaster can be disseminated among the general public.

Equally important is educating the government functionaries, police, private sector employees; NGO's about disaster management and acquaint them about their roles and responsibilities as citizens. Simulation, mock drills on relief and rescue operations can also be useful methods of educating the government employees and general public.

The training of key personnel like engineers to design disaster resistant buildings, health professionals, police & other government functionaries has to be organized at regular intervals.

IEC has to be an important activity towards making the government work force and general public knowledgeable about disaster management, mitigation, prevention & improve their preparedness to deal with such eventualities.

#### **8. FORMULATION OF SECTORAL PLANS:**

All the line departments shall be required to prepare Disaster Management Plan specific to their sector so that preparedness and response mechanism is ready across all sectors.

There will be Health Sector contingency plan for management of crisis situation, e.g.: District Health department shall specify public health risks due to floods, earthquake, epidemic, drought and come up with a list of common diseases likely to spread after a particular calamity. It would outline the preventive measures and work out requirement of medicine and other emergency equipment needed at the time of a calamity. It would also calculate the stock of medical stores required at a given point of time in emergency situations. The hospitals shall prepare a contingency plan for mass-casualty management.

Similarly other departments like Public Health Engineering, Flood Control, Roads & Buildings, Consumer Affairs & Public Distribution, Mechanical Engineering, Electric department, police, Fire & Emergency Services shall also devise their Disaster Risk Management plans. This would keep all the departments in a state of preparedness and the preventive measures shall go a long way in minimizing the adverse impact of any disaster as and when it strikes.

# **EARTHQUAKE**

## **EXTENT OF SEISMIC HAZARD**

### **Vulnerability of District Srinagar to Earthquakes**

The state of J&K is prone to seismic hazard. Some of the very intense earthquakes have occurred in this region. According to the seismic-zone map of India, Kashmir North and Kashmir central districts lie in Zone-V category (very high-risk zone). Other areas like Anantnag, Jammu, Poonch, Udhampur, Leh, Ladakh & Muzzafarabad lie in Zone IV (high risk zone).

Srinagar district falls in seismic Zone IV and is therefore vulnerable to earthquakes. The strong earthquake which tore/ ripped through the Kashmir on October 8, 2005 and the recent studies by experts that this region can witness many such quakes establish the fact that earthquake could be the most damaging hazard in this region as compared to other hazards like floods, heavy snowfalls. The impact of magnitude of earthquakes that have occurred so far (in the past) has been much stronger in comparison with other hazards.

District Srinagar is also a populous district and majority of constructions in Srinagar are not earthquake resistant and a level of preparedness towards coping with earthquakes is very less. The people, the houses, the public buildings and entire property in the district is at risk and a large earthquake can cause extensive damage to life & property.

There have been large-scale haphazard constructions in the district and the density of population in the rural areas has also increased. The congested localities / towns with houses and shanties abound is an area of concern. Even in rural areas now, there is a shift towards construction of brick and mortar houses, stacked back to back without proper planning. This is quite dangerous in an earthquake prone area / active seismic zone.

The factors that make people living in Srinagar vulnerable to the damaging impact of earthquake are the unsafe constructions (seismically), the congested localities / habitations, construction of houses in areas prone to erosion.

The plan is to conduct a detailed study of areas more risky to ravages of earthquake. The experts from Geology department can study the soil types and do grading / zoning of the land in district Srinagar to specify which of the zones are not fit for habitation and cannot withstand strong earthquakes.

On the basis of expert study, the people living in risky areas would be asked to shift to safer areas and the government would identify areas which are relatively safe for raising habitations.

## **DO'S AND DON'TS**

### **What to do before an Earthquake?**

- Insist upon earthquake resistant features while constructing / buying a house/flat.
- Ensure they comply with building bye-laws and BIS codes.
- Consult an Engineer/Architect for retro-fitting your house to make it earthquake-resistant.
- A common meeting point inside the city and a contact outside the city should be identified and known to all members.
- List important telephone numbers .and keep a torch, water, transistor, first-aid kit and non perishable food at a designated place. Keep family emergency kit ready.
- Train yourself in basic first aid. .Form teams for first-aid; search and rescue etc. In your area and conduct preparedness drills for what to do in case of an event.

### **What to do during an Earthquake?**

- Keep calm and help others to keep calm. Do not panic.
- If you are at home or inside of a building:
- Protect yourself by ducking under a sturdy table or an elevated bed, and staying there until the shaking stops. Turn-off electricity and gas. If you are on the road in a built up area :
- Immediately move away from buildings, slopes, streetlights, power lines, hoardings, fly-overs etc .into open spaces. Do not run or wander; keep the roads free for movement.

### **If you are driving:**

- Stop the vehicle away from the buildings, slopes and electric cables; come out of the vehicle, hold It and stay by its side.

## **What to do after an Earthquake?**

- Keep calm and expect aftershocks.
- Do not waste water and do not block telephone lines.
- Check if you or anyone else is hurt. Use first-aid and wait for medical help.
- Do not spread rumors and don't panic.
- Do not move seriously injured people.
- Volunteer to help.
- Do not turn-on electrical appliances and gas.
- Keep the streets clear for emergency services.
- Check your house/building for damages.