



**GOVERNMENT OF HIMACHAL
PRADESH
REVENUE DEPARTMENT
MEMORANDUM
OF
DAMAGES
DUE TO FLASH FLOODS,
CLOUDBURSTS AND LANDSLIDES
DURING
THE MONSOON SEASON – 2018**

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MEMORANDUM REGARDING DAMAGES DUE TO CLOUDBURST, FLASH-FLOODS AND LANDSLIDES DURING MONSOON, 2018

State Profile

Physical Location:

Himachal Pradesh is predominantly a mountainous State located in North – West India. It shares an international border with China. The State has highly dissected mountain ranges interspersed with deep gorges and valleys. It is also characterized with diverse climate that varies from semi tropical in lower hills, to semi arctic in the cold deserts areas of Spiti and Kinnaur. Altitude ranges from 350 meters to 6975 meters above mean sea level. It is located **between Latitude 30° 22'.40" N to 33° 12'.20" N and Longitude 75° 45'.55" E to 79° 04'.20" E.**

Demography:

Population of Himachal Pradesh is 68.56 lakh persons as per the Census report for the year 2011. 89.01% of the total population inhabits 20,604 villages in the rural areas of the State. These villages are sparsely distributed across the State having population density as low as 1-2 persons per square kilometer in the remote and tribal area of Lahaul & Spiti, Hamirpur district has largest population density of 369 persons per square kilometer as against 123 persons per square kilometer for the whole State. Himachal Pradesh is one of the few states of the country where gender equality is an integral part of the social ethos as well as the overall development strategy. Female literacy is well above the national level and women employment is much higher than in most states of the country.

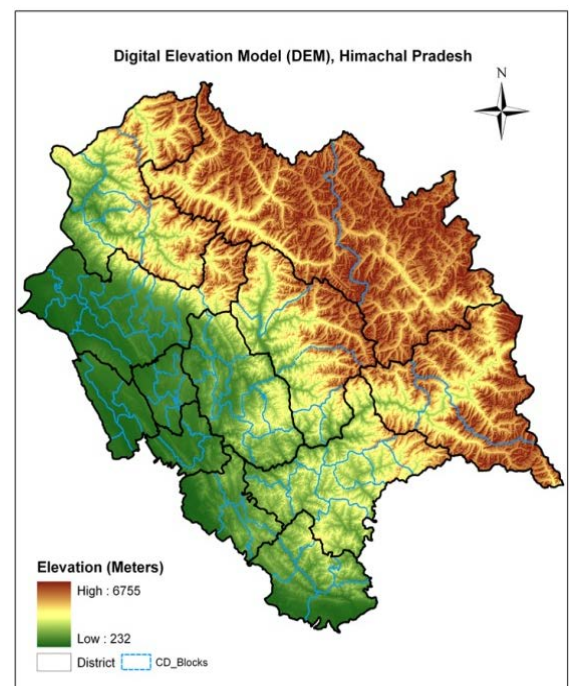


Figure 1.1 Digital Elevation Model, H.P.

Table 1.1 Demographic Features Since 1901

Year	Population	Decennial growth rate	Female per 1000 males	Density per Sq. Km. (Persons)	Scheduled Castes (Percentage)	Scheduled Tribes (Percentage)
1901	1920294	-	884	34	-	-
1911	1896944	-1.22	889	34	-	-
1921	1928206	1.65	890	35	-	-
1931	2029113	5.23	897	36	-	-
1941	2263245	11.54	890	41	-	-
1951	2385981	5.42	912	43	22.69	0.26
1961	2812463	17.87	938	51	22.88	4.35
1971	2460434	23.04	958	61	22.24	4.09
1981	4280818	23.71	973	77	24.62	4.61
1991	5170877	20.79	976	93	25.34	4.22
2001	6077900	27.54	968	109	24.72	4.02
2011(P)	6864602	12.95	972	123	-	-

Source: Census of India.

Table 1.2 Areas, Density and Decennial Growth Population in Different Districts

District	Area in Sq. Kms.	Total Population		Decennial growth (2001-2011)(P)	Density per Sq. Km. (2011(P) Census)
		2001 Census	2011 (P) Census		
1. Bilaspur	1167	340885	381956	12.08	327
2. Chamba	6528	460887	519080	12.58	80
3. Hamirpur	1118	412700	454768	10.08	406
4. Kangra	5739	1339030	1510075	12.56	263
5. Kinnaur	6401	78334	84121	7.61	13
6. Kullu	5503	381571	437903	14.65	79
7. L&S	13835	33224	31564	-5.10	2
8. Mandi	3950	901344	999777	10.89	253
9. Shimla	5131	722502	814010	12.58	159
10. Sirmour	2825	45893	529855	15.61	188
11. Solan	1936	500557	580320	15.21	298
12. Una	1540	448273	521173	16.24	338
Himachal Pradesh	55673	6077900	6864602	12.95%	123

Source: Census of India.

Administrative Units:

In order to make the functioning smooth, the State is divided into twelve districts which are grouped in three Revenue Divisions i.e. Shimla, Mandi and Kangra. There are 71 Sub Divisions, 106 Tehsil, 63 Sub-Tehsil, 79 Development Blocks and 3226 Panchayats. The State has very effective structure of PRI's comprising 12 Zila Parishads and 78 Panchayat Samitis. There are also 30 Municipal Councils and 23 Nagar Panchayats, besides 7 Cantonment Boards and 2 Municipal Corporation in the State.

Topography:

Topographically, the state can be divided into three zones:

- 1. The Shiwaliks or Outer Himalayas:** It covers the lower hills of Kangra, Hamirpur, Una and Bilaspur, lower parts of Mandi, Solan and Sirmour districts. Within this zone, altitude varies from 350 m to 1500 m.
- 2. Inner Himalayas or mid-mountains:** Altitude varies from 1500 m to 4500 m above mean sea level and includes areas such as the upper parts of Pachhad and Renuka in Sirmaur district, Chachiot and Karsog tehsils of Mandi district and upper parts of Churah tehsil of Chamba district.
- 3. Alpine zone or the greater Himalayas:** Has altitude above 4500 m above mean sea level and comprises areas of Kinnaur district, Pangi tehsil of Chamba district and area of Lahaul & Spiti district.

Geology & Geomorphology:

Himachal Pradesh with its complex geological structures presents a complicated topography with intricate mosaic of mountainous ranges, hills and valleys. Composed of recent Alluvium, Shiwalik hills are made up of rocks such as sandstone, shale and clay that came into existence during the Eocene, Miocene and Pliocene period.

The central part that extends from Chamba district in the north to Shimla district in the south is mainly represented by Jatog group of rocks which originated in middle Proterozoic period. In the north eastern portion unclassified Granites borders the

central part in between Kullu, eastern Shimla, Lahaul Spiti and parts of Kinnaur

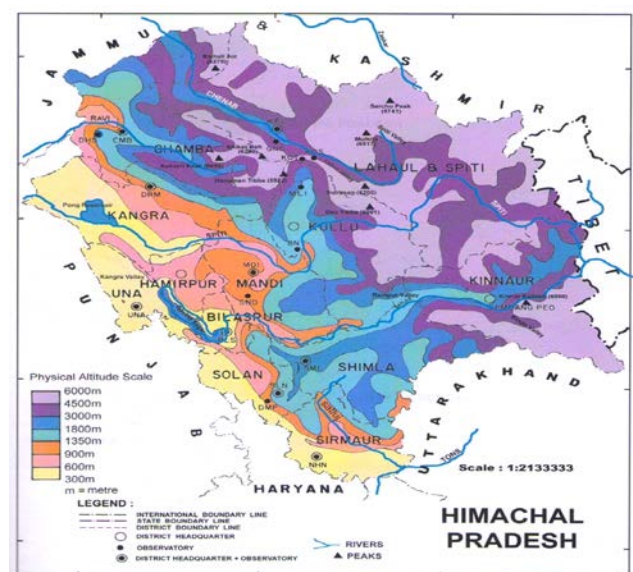


Figure 1.2 Geography of Himachal Pradesh

district. The eastern greater Himalaya presents the Triassic formation which is found in Kaza tehsil of Lahaul Spiti district. The oldest rocks are Granites found at Jeori-Wangtu and Bandel near Largi in Kullu district. These granites date back to a stage of the crust at a time when India was located 8000 Km southwest of its present position.

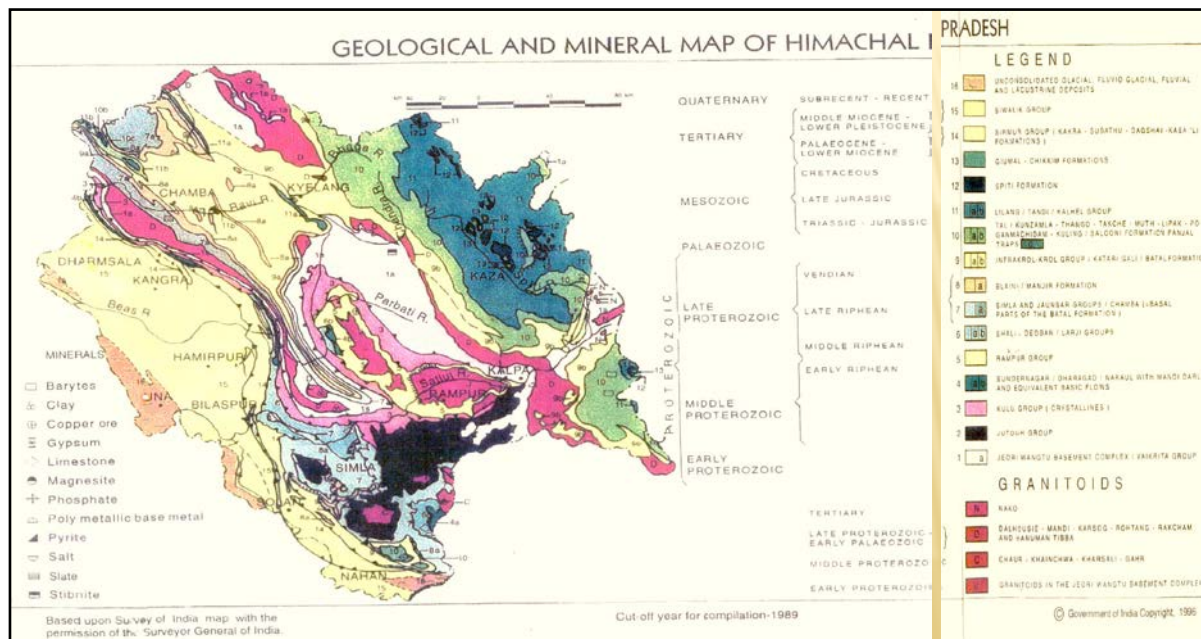


Figure 1.3 Geological and Mineral Map of Himachal Pradesh

Climate:

The climate varies across the state with the altitude. In the southern low tracks between an altitude of 400-900 it is hot sub humid type, between 900-1800m altitude warm & temperate, between 900-2400 m cool & temperate, cold alpine & glacial above 2400-4800 m altitude. Bilaspur, Kangra, Mandi, Sirmour, and Una districts experience sub tropical monsoon, mild and dry winter and hot summer. Shimla district has tropical upland type climate with mild and dry winter and short warm summer. Chamba district experiences, humid subtropical type climate having mild winter, long hot summer and moist all season. Kullu district experience mainly humid subtropical type of climate with mild winter moist all season, long hot summer and marine. During the period from January to February heavy snowfall in higher reaches create conditions for low temperature throughout the state making it unpleasant and series of western disturbances also affect the state.

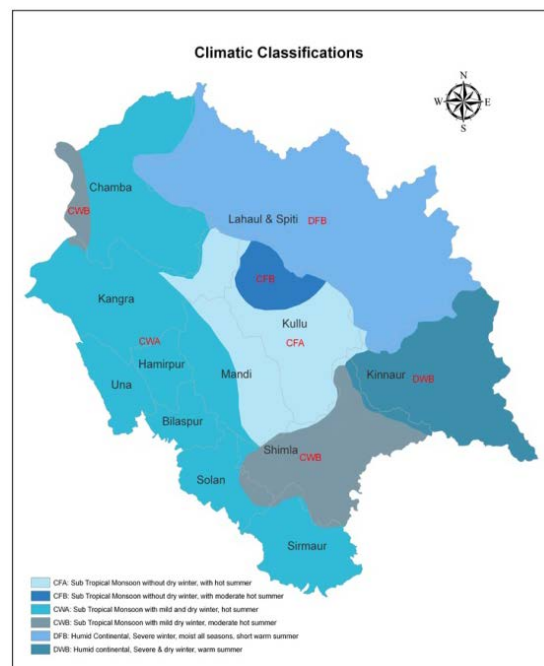


Figure 1.4 Climatic Classifications of Himachal Pradesh

Table 1.3 Climate Pattern of Himachal Pradesh

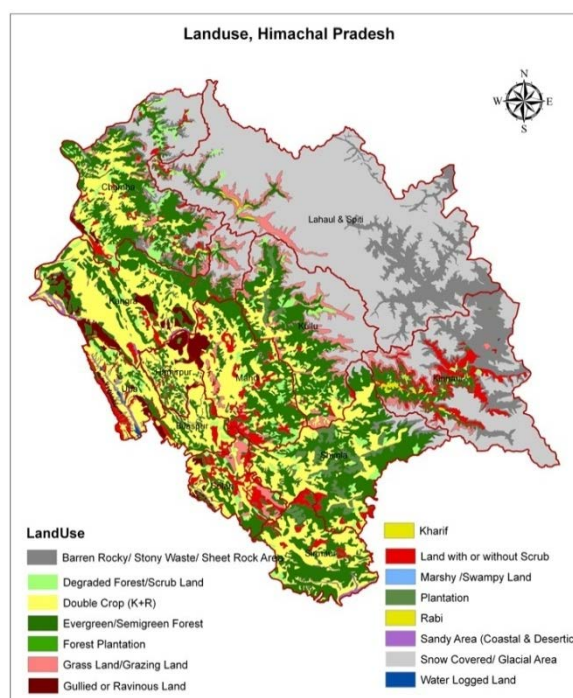
Climate Pattern	Districts
Sub-tropical Monsoon (Cwa type) Mild and dry winter, hot summer	Bilaspur, Kangra, Mandi, Sirmour, Una, Hamirpur, Solan, Chamba
Sub-tropical Monsoon (Cwb type) Mild and dry winter, moderate hot summer	Shimla, Parts of Chamba
Sub-tropical monsoon (Cfa type) Without dry winter with hot summer	Chamba, Major parts of Kullu, Mandi
Sub-tropical monsoon (Cfb type) Without dry winter with moderate hot summer	Minor parts of Kullu
Humid continental (Dwb type) Severe and dry winter, warm summer	Kinnaur
Humid continental (Dfb type) Severe winter moist all seasons, short warm summer	Lahaul & Spiti

Land use:

As per Land use statistics, Ministry of Agriculture (GoI), 2005, about 12.21 percent of the total reporting area of 4547000 ha of the state (out of 5567000 ha. of geographical area) is under cultivation. 24.06 percent under forest. Permanent pastures and other grasslands account for about 33.63 percent, 1.25 percent land under miscellaneous tree crops and groves, 2.73 percent is under the cultivable wasteland, fallow land other than current fallow 0.29 percent, current fallow 1.19 percent and net sown area is 12.21 percent.

Rivers and Catchments:

Five perennial rivers Satluj, Beas, Ravi, Chenab and Yamuna flow through the state. The utility of these rivers though restricted considerably by the rugged and undulating terrain of the State, nevertheless, these rivers possess immense potential for the generation of hydro-electricity. The following river catchment areas fall in the State. Figure 1.5 land use in Himachal Pradesh



Source: HP State Council for Science & Technology and Environment

Table 1.4 River Catchment Areas in Himachal Pradesh

Name of River System	Area of Catchment	Area in percentage
Sutlej	20,398	30.69%
Beas	13,663	24.50%
Chenab	7,850	14.20%
Yamuna	5,872	10.60%
Ravi	5,528	09.90%
Indus	1,450	02.60%
Markanda	360	00.60%
Ganga	290	00.50%
Ghaggar	262	00.50%
TOTAL	55,673	100%

Lakes/Reservoirs:

The state has both manmade and natural water bodies located in different parts of the state for specific purposes viz. irrigation, hydro-electricity, and flood control. Some of the important reservoirs of the state are Govind Sagar, which spreads into the Bilaspur and Una districts, Pong Dam in Kangra, and Pandoh in Mandi District. Chandertal, Renuka and Manimahesh are some the important natural lakes of the state.

Health:

The State has an extensive network of health care institutions. There are 86 hospitals, 2084 Sub- centres, 91 CHC's/RH, 576 PHC's, with available bed capacity of 12527. Similarly, there are 33 Ayurvedic hospitals, 1175 dispensaries/health centres with a bed capacity of 941 available in the state. Besides, there are 3 Ayurvedic Pharmacies and 1 Research Institute. Birth and death rate in the state is 22.1 per 1000 and 7.2 per 1000 respectively (statistical Year Book of H.P.-2017-18).

Roads and Bridges:

As per 207-18 data, the state has total road length of 37131 Kms in which motor able double lane is 2453 km, single lane is 32940 Km, Jeep able 369 Km and less than Jeep able 1396 Km and there are 1365 bridges. About 18156 villages are connected with roads.

Table 1.5 Population and distribution data

S. No	Name of the district	NO. of the villages	Population			Distribution of population		Sex Ratio	Population density	Literacy rate	Number of Households
			Male	Female	Total(4+5)	Urban population	Rural population				
1.	Bilaspur	1061	1,92,764	1,89,192	3,81,956	25,129	3,56,827	981	327	84.6	80,485
2.	Chamba	1591	261320	257767	5,19,080	36,108	4,82,972	986	80	72.2	1,02,460
3.	Hamirpur	1725	2,17,070	2,37,698	4,54,768	31,430	4,23,338	1095	407	88.2	1,05,519
4.	Kangra	3869	750591	759484	15,10,075	86,281	14,23,794	1,012	263	85.7	3,38,887
5.	Kinnaur	660	46,249	37,872	84,121	-	84,121	819	13	80.0	19,976
6.	Kullu	326	225452	212451	4,37,903	41,391	3,96,512	942	80	79.4	94,807
7.	L & S	521	16588	14976	31,564	-	31,564	903	2	76.8	6,674
8.	Mandi	3338	498065	501712	9,99,777	62,637	9,37,140	1,007	253	81.5	2,19,145
9.	Shimla	3231	425039	388,971	8,14,010	2,01,351	6,12,659	915	159	83.6	1,84,362
10.	Sirmaur	976	276289	2,53,566	5,29,855	57,165	4,72,690	918	188	78.8	98,208
11.	Solan	2544	308754	271,566	5,80,320	1,02,147	4,78,173	880	300	83.7	1,22,425
12.	Una	848	263692	257481	5,21,173	44,913	4,76,260	976	338	86.5	1,10,332
Total	HP	20690	3481873	3382729	6864602	688552	6176050	972	123	82.8	1483280

Source: Deptt. of Economics and Stats.

Table 1.6 Profile of the state in respect of Agriculture, Road, Irrigation, Primary Health Centers, Primary School, Panchayat Ghar

S. No	Name of the district	Agriculture Sector				Road (in Kms)	No. of PHC	No. of PS	No. of Panchayat
		Cultivated Area (in ha)	Total No. of farmers	No of SMF**	No. of landless agriculture labourers				
1.	Bilaspur	31459	56097	50325	2923	1701	35	1379	151
2.	Chamba	43389	70012	65232	1655	3257	42	2824	283
3.	Hamirpur	40939	72926	63708	3291	1893	26	1200	229
4.	Kangra	127204	230416	206944	39534	5951	80	4133	748
5.	Kinnaur	9687	10507	8463	1101	1060	21	453	65
6.	Kullu	40028	67753	64452	5590	1907	17	1896	204
7.	Lahaul-Spiti	3461	4152	3015	339	1256	16	383	41
8.	Mandi	96073	149654	135546	6518	5667	63	3916	469
9.	Shimla	80581	109868	92694	9814	5405	86	3400	363
10.	Sirmaur	44646	49046	33993	5767	3062	36	2353	228
11.	Solan	40894	50145	35988	6309	2961	33	1913	211
12.	Una	40395	62807	51910	11330	1929	19	1389	234
Total	Himachal Pradesh	598756	933383	812270	94,171	36049	474	25239	3226

Source: Deptt. Of Economics and Statistic

**

Small and Marginal Farmers

Current Disaster

LOSS CAUSED DUE TO HEAVY RAINFALL, CLOUDBURSTS AND LANDSLIDES DURING MONSOON, 2018.

Seasonal Rainfall Scenario during this Season

As per the information provided by the Indian Meteorology Department (IMD), during this Monsoon Season, 927.1mm rainfall was recorded in Himachal Pradesh, which is 12% above the Long Period Average value. Most of the districts of the state recorded Excess Rainfall (+20% or more of LPA) during this Monsoon season. Highest departure from LPA, was recorded in Una district (+59%), followed by Kullu district (+49%). District of Sirmour and Solan recorded Normal Rainfall (-19% to +19% of LPA). Districts of Chamba, Lahaul & Spiti and Kinnaur recorded deficient rainfall during the season at -38%, -32% and -32% respectively.

Source: Indian Meteorological Department

1 st June to 30 th Sept. 2018			
HIMACHAL PRADESH	RAINFALL		
NAME OF DISTRICT	ACTUAL	NORMAL	DEP %
BILASPUR	1210.8	877	38
CHAMBA	872.8	1406.4	-38
HAMIRPUR	1388	1078.9	29
KANGRA	2122.8	1582.1	34
KINNAUR	180.1	264.2	-32
KULLU	775.2	519.7	49
LAHAUL & SPITI	310.8	458.2	-32
MANDI	1350.6	1093.4	24
SHIMLA	806.8	633.9	27
SIRMAUR	1319.8	1324.6	0
SOLAN	1110.6	1000.1	11
UNA	1374.5	862.7	59
HIMACHAL PRADESH	927.1	825.3	12

Some of the major spells which affected Himachal Pradesh during Monsoon season- 2018 were – 27th to 29th June 2018 (Monsoon Activity- Vigorous/Active), 26th to 28th July 2018 (Monsoon Activity- Active), 5th to 7th August 2018 (Monsoon Activity- Active), 12th to 13th August 2018 (Monsoon Activity- Vigorous), 22nd to 25th August 2018 (Monsoon Activity- Active), 22nd to 25th September 2018 (Monsoon Activity- Vigorous). On 13th August 2018, 72.1 mm rainfall was recorded in 24 hrs, which was the highest recorded rainfall over the state in a day during the season. Shimla recorded 208 mm rainfall in a

single spell during these two days, Highest Rainfall of the season in 24 hrs, 292.4 mm was recorded at Dharmshala on 24th August.

Although the average rainfall in the state is not alarming but the extreme weather events have affected the state most as four districts — Lahaul and Spiti, Chamba, Kinnaur and Sirmour had deficient rainfall but district Lahaul & Spiti recorded maximum no. of cloudbursts as many as 12 cloudburst this season out of the 34 recorded till date. A total of 34 Cloudbursts have triggered flash floods which have also wreaked havoc in most of the districts of the State like Lahaul & Spiti, Manali-Rohtang Pass highway, Kolikohar village & Dharampur in Mandi district. In the roads of the Public Works Department alone a total number of 405 landslides were recorded. Traffic was also disrupted on several highways as the rain fury led to havoc in various parts of the state. This lead to a lot of indirect losses to the State economy as the Apple season was in full swing. Several routes were disturbed due to the heavy rainfall like Chandigarh-Shimla highway, Kalka-Shimla rail route, Shimla-Nahan, Chamba-Pathankot, Mandi Pathankot and Shimla-Kinnaur highways and more than 923 roads were closed due to heavy rains and landslides triggered due to the rains, including six national highways.

Major damage in the State was recorded during the rainfall of 13rd August, 2018 and 23 & 24th September, 2018. From 23-24 September snowfall was also recorded in Rohtang and Lahaul and Spiti district which crippled normal life in the area. Manali-Leh road was blocked and many tourists were stranded. The Indian Air was requisitioned to airlift the stranded passengers. Details of rainfall, cloudburst events, landslides and efforts put in the rescue and relief efforts have been elaborated below:-

Rain fall data for 13th August, 2018			
HIMACHAL PRADESH	RAINFALL		
NAME OF DISTRICT	ACTUAL	NORMAL	DEP %
BILASPUR	100	11.5	770
CHAMBA	54.8	24.3	126
HAMIRPUR	172.3	16.7	932
KANGRA	165.56	29	471
KINNAUR	3.9	2.7	44
KULLU	57.1	5.6	920
LAHAUL & SPITI	2.9	5.2	-44
MANDI	117.8	14.1	735
SHIMLA	67.9	7.1	856
SIRMAUR	96.4	20.8	363
SOLAN	154.4	14.7	950
UNA	67	17.8	276
HIMACHAL PRADESH	72.1	12.3	486

Source: Indian Meteorological Department

Rain fall data for 23 rd September, 2018			
HIMACHAL PRADESH	RAINFALL		
NAME OF DISTRICT	ACTUAL	NORMAL	DEP %
BILASPUR	92.8	3.2	2801
CHAMBA	75.3	8.2	818
HAMIRPUR	96.4	6.1	1480
KANGRA	99.4	6.1	1529
KINNAUR	18.8	3.3	471
KULLU	80.0	2.4	3232
LAHAUL & SPITI	27.5	3.9	605
MANDI	60.4	4.4	1273
SHIMLA	44.9	3.7	1114
SIRMAUR	45.7	3.7	1134
SOLAN	65.7	4.5	1360
UNA	99.7	5.7	1649
HIMACHAL PRADESH	61.8	4.5	1273

Source: Indian Meteorological Department

Rain fall data for 24 th September, 2018			
HIMACHAL PRADESH	RAINFALL		
NAME OF DISTRICT	ACTUAL	NORMAL	DEP %
BILASPUR	9.4	9.1	3
CHAMBA	8.6	27.4	-69
HAMIRPUR	9.9	12.6	-21
KANGRA	22.8	19.8	15
KINNAUR	14.3	1.8	694
KULLU	25.4	5.5	362
LAHAUL & SPITI	1.3	6.7	-81
MANDI	59	13.4	340
SHIMLA	43.1	6.8	534
SIRMAUR	84.5	13.4	531
SOLAN	58.8	11.2	425
UNA	3.3	10.7	-69
HIMACHAL PRADESH	20.7	11.1	86

Source: Indian Meteorological Department

Detail of Landslide: -

Sr. No	Name of District	No of landslides	Total loss (Rs. in Lakhs)
1	Mandi	46	311.80
2	Kullu	9	222.70
3	Bilaspur	33	133.60
4	Hamirpur	26	178.20
5	Lahaul & Spiti	2	66.80
6	Shimla	127	485.50
7	Solan	12	311.90
8	Sirmour	89	89.10
9	Kangra	9	356.40
10	Chamba	33	178.20
11	Una	12	44.60
12	Kinnaur	7	71.20
	Total	405	2450.00

Source: - Dept. of PWD, Himachal Pradesh

Detail of Cloudburst Events: -

District	Total No.
Chamba	8
Kangra	1
Kinnaur	6
Kullu	5
Lahaul & Spiti	12
Shimla	2
Total	34

Source: - DDMA's, Himachal Pradesh

Extent of damages:

The damages are detailed hereunder:

1. **Human lives lost:** As of now 343 Persons lost their lives due to flash floods, landslides, cloud bursts and road accident. Ex-gratia payment @ Rs.4.00 Lacs per head in this regard has been assessed at Rs. 13.72 Cr. District-wise detail is as follows: -

Sr. No	District	Road Accident	Landslide/ House Collapse/H heavy rain	Rock fall	Drowning	Other	Total Death
1.	Bilaspur	16	1	Nil	2	6	25
2.	Chamba	30	2	Nil	2	15	49
3.	Hamirpur	14	3	Nil	1	2	20
4.	Kangra	23	Nil	Nil	2	2	27
5.	Kinnaur	15	2	Nil	Nil	2	19
6.	Kullu	27	3	2	3	2	37
7.	Lahul & Spiti	2	Nil	Nil	Nil	2	4
8.	Mandi	33	3	Nil	4	5	45
9.	Shimla	42	3	Nil	2	1	48
10.	Sirmour	18	1	Nil	Nil	1	20
11.	Solan	12	8	Nil	2	Nil	22
12.	Una	23	Nil	Nil	3	01	27
	Total	255	26	2	21	39	343

2. **Animals lost:** **Total 1285** Sheep, goats, cows, horses and buffaloes etc. Loss on this account has been assessed as **Rs. 0.87 Cr and Rs 0.10 Cr**. Structural loss to animal husbandry .

3. Structures damaged Total:- 6023

- Fully damaged Kaccha and Pucca houses – 567
 - Partially damaged Kaccha & Pucca houses - 3171
 - Cowshed, Gharats, shops and labor sheds – 2285
- Loss on this account has been assessed as **Rs. 43.03 Cr.**

4. Damage to roads: Due to flash flood and landslide, the PWD Infrastructure i.e. Roads, Bridges and culverts have been severely damaged during the current Monsoon season. The total losses on this account have been assessed as **Rs. 929.27 Cr. (Annexure-I)**

The damaged road infrastructure has been restored immediately with the help of Government and private machinery in order to avoid inconvenience to public. The permanent restoration work is still in progress.

5. Damage to Irrigation and water supply schemes Total 6602 IPH schemes have been damaged.

- Urban Water Supply - 40
- Rural Water Supply - 4816
- Irrigation schemes- 1746

Total loss has been estimated till date as **Rs. 430.04 Crore. (Annexure-II)**

6. Damage to agriculture crops:

Due to heavy rainfall in some parts of the state, the crops have been affected. The State Government has got accessed the first hand information on damages caused to standing Kharif crops due to heavy rains in the state. The overall loss to crops in terms of money value as assessed is Rs. 105.08 crores. The cultivated land has also been damaged/washed away due to siltation/landslides/avalanches and loss in terms of money value is around 16.03 crores. **(Annexure-III)**

7. Damage to Horticultural Crops:

Horticulture is an important sector of economic development in the state, which is contributing around Rs 5000 crore towards state economy. It has a capacity to generate more income and employment per unit area. Fruit crops occupy about 2.29 lakh Ha areas in the state (2016-17). Apple, Mango, Citrus and other stone fruits are major fruit crops grown in the state and constitute about 83 % of total fruit production.

Losses of fruit crops to the tune of Rs. 2.43835 crores as per the norms of GOI were occurred **(Annexure IVD)**. Similarly, the actual losses to fruit crops during rainy season were Rs. 9.2643 crores **(Annexure IVC)**.

8. Damage to Electricity Infrastructure:

The total loss has been assessed at **Rs. 24.50 Cr.** On this account, the details are at **Annexure-III.**

9. Education:

Primary school building has been damaged. The total loss on this account has been assessed as **Rs. 5.05 Cr.**

10. Community Assets:-

The total loss has been assessed at Rs. 10.30 Cr. On this account as reported by the M.C. Shimla.

11. Fisheries:-

The total loss has been assessed at Rs. 6.76 Cr.

Cumulative losses – Rs. 1594.01 Cr.

Key Highlights of the steps taken during the two extreme events i.e. on 13th August, 2018 and 23-24rd September

13th August, 2018

- Rainfall advisory was issued to all concerned.
- Heavy rainfall was recorded across the State breaking many records as detailed in the table above.
- Schools and educational institutes were closed as a precautionary measure on 13th and 14th August.
- The rainfall resulted in extensive damage across the State and life came to literally standstill.
- In order to restore road connectivity, water & electricity supply massive restoration efforts were launched.
- The situation was reviewed by Hon'ble Chief Minister, Chief Secretary with all the districts and Departments.
- 16 people lost their lives as a result large scale damage and loss.
- More than 500 roads got blocked. More than 680 no. of machinery was deployed by the Public works department to clear the debris from the roads.
- The HP State Electivity Board Limited suffered loss of more than Rs. 24.50 crore and electricity supply was disrupted.
- Huge loss to agriculture and horticulture crops was caused.

23rd September to 1st October, 2018

Preparatory Steps Taken on 22nd September 2018:

Advisory issued for the Heavy to Very Heavy Rainfall to all concerned through electronic and print media. Advisory shared with All DCs and DEOCs.

Special Advisory to DC Kullu and DC Lahaul & Spiti regarding the Snowfall forecast on Manali – Leh Highway at Rohtang and to restrict the movement of vehicles along the route.

Preparatory Steps Taken on 23rd September 2018

- Deputy Commissioners have been asked to take a call to close educational institutes closed for 24th.
- Revised Advisory issued to all concerned.
- A meeting of Higher Officials was organised at Hon'ble Chief Minister's Residence for situation review.

Preparatory Steps Taken on 24th September 2018

- Rescue operations being conducted in various districts
- Situation monitored 24X7 in all Emergency Operations Centre at Districts and at State level

Preparatory Steps Taken on 25th September 2018

- Indian Air Force requested for air rescue of the stranded people.
- Hon'ble Chief Minister along with other ministers and senior officials visited Kullu for an aerial survey to take the stock of losses and rescue operation in Kullu and Lahaul & Spiti.
- Hon'ble CM reviewed the situation with Kullu administration. Dr. Ram Lal Markanda, Hon'ble Agriculture Minister; Sh. Govind Thakur, Hon'ble Transport and Forest Minister, Sh. Maheshwar Singh, Former MP; Sh. Surinder Shourie, MLA Banjar, Dr. Shrikant Baldi, Additional Chief Secretary cum Principal Secretary to the Chief Minister; Mrs. Manisha Nanda, Additional Chief Secretary (Revenue & PWD); Sh. Yunus Khan, Deputy Commissioner Kullu; Ms. Shalini Agnihotri, SP Kullu; Sh. R.P. Verma, Engineer-in-Chief PWD and other senior officers were present on the occasion.
- 816 School Children and 403 School Teachers and other staff safely camped at the Mountaineering Institute, Holi (Chamba) and School at Holi and provided with sufficient food.
- Total deaths reported in last three days are 17 out of this 8 are due to monsoon and 9 by accidents.
- Search and Rescue operations conducted at Lahaul & Spiti and Kullu District.
- Five persons (Resident of Kolkata) have been rescued and airlifted by Indian Air Force Chopper from Stingri to Bhunter Airport.
- 249 persons rescued by BRO from Sissu-Dhundi via tunnel, have reached Manali safely.
- 21 persons rescued from Manali to Kullu.
- 1000 food packets air dropped near Kunjum Pass, these packets have been collected by the people and truck drivers in the area.
- Situation is monitored 24X7 in all Emergency Operations Centre at Districts and at State level.

Preparatory Steps Taken on 26th September 2018

- 3 Choppers of Indian Air Force were deployed for the aerial search and rescue in Lahaul & Spiti.
- 12 persons rescued through Airlifting by IAF.
- 356 persons rescued through Rohtang Tunnel to Manali by BRO.
- 262 Students moved from Holi to Chamba by road.

- Total deaths reported in last four days are 19 out of this 9 are due to monsoon and 10 by accidents.
- 521 food packets, ration for 200 people & 100 litres diesel airlifted to Sarchu for stranded people in the area.
- Situation is monitored 24X7 in all Emergency Operations Centre at Districts and at State level.

Preparatory Steps Taken on 27th September 2018

- 5 Choppers of Indian Air Force were deployed for the aerial search and rescue in Lahaul & Spiti.
- 74 persons were rescued through Airlifting by IAF in the Dhalpur.
- All the children stranded in Holi, Bharmour evacuated safely.
- 36 Students, Teachers and other members were airlifted from Chamba to Pangi.
- 200 litres Kerosene oil, 200 litre Diesel and 850 food packets n airlifted to Sarchu for stranded people in the area.

Preparatory Steps Taken on 28th September 2018

- 5 Choppers of Indian Air Force were deployed for the aerial search and rescue in Lahaul & Spiti.
- 81 persons were rescued through Airlifting by IAF in Dhalpur ground 385 persons were rescued through Rohtang Tunnel to Manali by BRO.

Preparatory Steps Taken on 29th September 2018

- 1 Choppers of Indian Air Force were deployed for the aerial search and rescue in Lahaul & Spiti.
- 40 Persons were rescued through Airlifting by IAF in Dhalpur ground.

Preparatory Steps Taken on 30th September 2018

- 05 Persons rescued Chatru to Koksar (Lahaul & Spiti) Safely.
- 13 Persons rescued by Police, Local Porters, mountaineering expert have reached Sechu (Chamba) safely.

Detail of Relief and Rescue Operation detail in Chamba, Kullu & Lahaul Spiti districts from 23 September to 1st October, 2018:-

Sr. No	Date	Number of persons Evacuated/shifted on Through Rohtang Tunnel by road	Number of persons Evacuated/shifted by Airlifting	Other Detail	Total
1	23 rd Sept.	33	19	14	66
2	24 th Sept.	-	2	-	2
3	25 th Sept.	457	5	-	462
4	26 th Sept.	410	31	550 Students from Holi, Chamba Evacuated by Road	991
5	27 th Sept.	1200	74	Out of total 1219 Students, Teachers and other Staff members; Today remaining 669 have been rescued.	1943
6	28 th Sept.	385	81	-	466
7	29 th Sept	24	40	-	64
8	30 th Sept.			13 Persons have been rescued Police, Local Porters, and mountaineering expert, have reached Sechu (Chamba) safely. & 05 Persons rescued Chatru to Koksar (Lahaul & Spiti) safely.	18
9	1 st Oct.			21 Persons rescued Chatru to Koksar (Lahaul & Spiti) Safely	
	Total	2509	252	1272	4033

Summary of the Key Highlight of the response during the Monsoon:-

- Restoration work was done in full swing day and night by the PWD Authorities. As many as 624 heavy machines, including JCBs and tippers, were deployed regularly for clearing the roads and the traffic was normalized with these restoration efforts round the clock but the continuous rains kept hampering the efforts.
- Several hundred kilometers of roads were cleared of debris. In many locations' roads had to be constructed afresh by way of cutting and formation, laying of culverts, small bridges, etc.
- In order to save the bridges and ensure flow of traffic, the length of the two bailey bridges namely, Urni & Yullah Nullah was increased to restore the traffic movement working day and night by the PWD.
- Approaches to NH-88 Bridge on Shimla-Hamirpur Highway were repaired overnight within a record time and traffic movement restored.
- Large number of trees which were uprooted, and blocked traffic had to be cleared.
- I & PH Department and HP Electricity Board worked day and night to restore water and electricity services.
- A lot effort was made to save precious human lives by the district administration. Total 260 trekkers alone were rescued from Kinner Kailash when they were stuck due to heavy rainfall on 27th& 28th July 2018.
- On 23rd September 2018, DC Kullu requested for providing air force chopper for 21 stranded people in Sarchu due to heavy rainfall in the area. Indian Air Force was requested for air rescue of these stranded people and 19 people were rescued by Indian Air Force on 23rd September. On 24th September 2018, 2 persons rescued from Sarchu to Kullu by airlift.
- Further due to heavy rains and snowfall on Manali-Leh highway and Lahaul & Spiti district, many tourists were stranded.
- 5 Choppers of Indian Air Force were deployed for aerial search and rescue in Kullu and Lahaul & Spiti district.
- On 24th September 2018, Hon'ble Chief Minister along with other ministers and senior officials visited Kullu for an aerial survey to take the stock of losses and rescue operation in Kullu and Lahaul & Spiti.
- A total of 252 Persons were rescued through Airlifting by IAF.
- 2509 persons were rescued by BRO via Rohtang tunnel.
- 1219 Students, Teachers and other Staff members have been rescued from Holi (Chamba) with the help of Indian Air force, Local Administration and local People.
- 13 Persons were rescued by Police, Local Porters, and mountaineering expert, in Sechu, Chamba
- 19 Persons were rescued from Chatru to Koksar (Lahaul & Spiti) safely in private vehicles.
- A total of 4000 food packets, ration for people & 500 liters diesel (approx) and 400 liters Kerosene (approx) was airlifted to Sarchu & other parts for stranded people in the area.

Steps Taken for Monsoon Preparedness are as under:-

1. Hon'ble Chief Minister, Chief Secretary, Additional Chief Secretary (Rev-DM) and Special Secretary (Rev-DM) monitored the Monsoon situation on daily basis.
2. Review meeting on Monsoon 2018 was held under the Chairmanship of Additional Chief Secretary Govt. of HP on 13-08-2018 with all Deputy Commissioners and Departments.
3. Review meeting on Monsoon 2018 has also been held under the Chairmanship of Hon'ble Chief Minister, HP on 18-09-2018.
4. Control Rooms at SEOC/DEOCs are functioning round the clock.
5. Daily/Cumulative Loss Reports are being obtained from all districts and departments.
6. Timely dissemination of Weather forecast on regular basis.
7. Do's and Don'ts were broadcasted through AIR, TV, Print and Other electronic media.
8. Landslide Sensors were installed at Kotropi and Aut for landslide early warning.
9. Police VHF sets were installed in all the EOCs in the State.
10. Pilot testing of Common Alert Protocol (CAP) platform developed by NDMA and DoT for target based early warning and alert system was pilot tested in Himachal Pradesh on 27th July 2018.

Summary of the total requirement of funds under NDRF

Sr. No.	Items/Sectors	Amount required (Rs. In Crore)
1.	Gratuitous Relief (GR)	13.72
(a)	GR for Human lives lost	343 Nos.
2.	Search & Rescue operations:	10
(a)	Helicopter support	Yes
3	Relief measures (for relief camps)	
4	Agriculture + Horticulture	
(a)	Agriculture crop loss	105.08
(b)	Horticulture crop loss	9.26
(c)	Loss of Agri./horticultural land	16.03
5	Animal Husbandry- Assistance to small and marginal Farmers for loss of animals	0.87
6	Fishery	6.76
7	Housing	43.03
8	Community assets	10.30
9	Infrastructure	
(a)	PWD	929.27
(b)	IPH	430.04
(c)	Power	24.50
(d)	Animal husbandry (structural loss)	0.10
(e)	Health	
(F)	Education	5.05
(g)	Removal of Debris	
	Grand Total	1594.01

Comparative Rainfall on 24th Sept 2015-2018

Appendix – I Rainfall in State on 24th Sept, 2018.

Sr. no	Name of affected districts	Rainfall/snowfall during the calamity (in mm) 24 th Sept 2018			Rainfall during the corresponding period in the last three years								
					Last Year			Year before last Year			Two Years before last Year		
					24 th Sept 2017			24 th Sept 2016			24 th Sept 2015		
		ACTUAL (mm)	NORMAL (mm)	DEP %	ACTUAL (mm)	NORMAL (mm)	DEP %	ACTUAL (mm)	NORMAL (mm)	DEP %	ACTUAL (mm)	NORMAL (mm)	DEP %
1	BILASPUR	9.4	9.1	3	9.4	1	-100	0	9.1	-100	0	9.1	-100
2	CHAMBA	8.6	27.4	-69	8.6	7.2	-100	0	27.4	-100	0.2	27.4	-98
3	HAMIRPUR	9.9	12.6	-21	9.9	1.8	-100	0	12.6	-100	0	12.6	-100
4	KANGRA	22.8	19.8	15	22.8	2.2	-100	0	19.8	-100	0	19.8	-100
5	KINNAUR	14.3	1.8	694	14.3	4.4	-100	0	1.8	-100	0	1.8	-100
6	KULLU	25.4	5.5	362	25.4	2.7	-100	0	5.5	-100	1.2	5.5	-54
7	LAHAUL & SPITI	1.3	6.7	-81	1.3	5.7	-100	0	6.7	-100	0	6.7	-100
8	MANDI	59	13.4	340	59	2.7	-100	0	13.4	-100	1	13.4	-63
9	SHIMLA	43.1	6.8	534	43.1	2.5	-100	0	6.8	-100	0	6.8	-100
10	SIRMAUR	84.5	13.4	531	84.5	1.2	-100	0	13.4	-100	0	13.4	-100
11	SOLAN	58.8	11.2	425	58.8	1.7	-100	0	11.2	-100	0	11.2	-100
12	UNA	3.3	10.7	-69	3.3	1.9	-100	0	10.7	-100	0	10.7	-100
	Total	20.7	11.1	86	20.7	3.5	-100	0	11.1	-100	0.2	11.1	-95

Source: Indian Meteorological Department

Comparative Rainfall on 13th August 2015-2018

Sr. no	Name of affected districts	Rainfall/snowfall during the calamity (in mm) 13 th Aug 2018			Rainfall during the corresponding period in the last three years								
					Last Year 13 th Aug 2017			Year before last Year 13 th Aug 2016			Two Years before last Year 13 th Aug 2015		
		ACTUAL (mm)	NORMAL (mm)	DEP %	ACTUAL (mm)	NORMAL (mm)	DEP %	ACTUAL (mm)	NORMAL (mm)	DEP %	ACTUAL (mm)	NORMAL (mm)	DEP %
1	BILASPUR	100	11.5	770	6.2	10.6	-41	15	10.6	41	8.7	10.6	-18
2	CHAMBA	54.8	24.3	126	22.9	24.1	-5	8	24.1	-67	16	24.1	-34
3	HAMIRPUR	172.3	16.7	932	7	16.8	-58	5.8	16.8	-65	4.2	16.8	-75
4	KANGRA	165.56	29	471	61.5	24.3	153	7.8	24.3	-68	11.3	24.3	-53
5	KINNAUR	3.9	2.7	44	1.1	2.7	-59	0	2.7	-100	3.8	2.7	41
6	KULLU	57.1	5.6	920	11.6	3.6	223	8.7	3.6	142	12.3	3.6	243
7	LAHAUL & SPITI	2.9	5.2	-44	0.3	5.6	-94	0	5.6	-100	6.3	5.6	13
8	MANDI	117.8	14.1	735	15.5	16.4	-6	23.3	16.4	42	7.9	16.4	-52
9	SHIMLA	67.9	7.1	856	4.7	7.1	-34	9.6	7.1	36	8.9	7.1	26
10	SIRMAUR	96.4	20.8	363	0.7	18.7	-96	3.2	18.7	-83	22.8	18.7	22
11	SOLAN	154.4	14.7	950	0.1	12.6	-99	17.8	12.6	41	12	12.6	-5
12	UNA	67	17.8	276	2.6	15.8	-83	0.5	15.8	-97	17.6	15.8	11
	Total	72.1	12.3	486	11.4	11.7	-3	7.3	11.7	-38	9.5	11.7	-19

Source: Indian Meteorological Department

Appendix-II
Extent of damages
STATE: HIMACHAL PRADESH

Nature and period of calamity: Cloud Burst, Flash floods, Landslides during Monsoon, 2018.

S.No.	Item	Detail	
1	Total number of districts	12	
2	Number and names of districts affected	12 (Bilaspur, Chamba, Hamirpur, Kangra, Kinnaur, Kullu, Lahaul & Spiti, Mandi, Shimla, Sirmaur, Solan, Una)	
3	Number of villages affected	20690	
4	Population affected (in lakh)	68.65 (as per 2011 census)	
5	Total land area affected	55.673 sq. km	
6	Cropped area affected		
	(i) Total cropped area affected	Agriculture	53909 ha
		Horticulture	8407.41 ha
	(ii) Estimated loss to crops	Agriculture: 105.08 Crore	Rs.130.37 Cr.
		Horticulture : 9.26 Cr	
		Loss of Agriculture land: 16.03 Cr	
	(iii) Area where cropped damages was more than 33%	Agriculture	6447 ha
		Horticulture	1354.64 ha
7	Percentage of area held by SMF:		
	(i) In the State as a whole	87.95 %	
	(ii) In the affected districts	12	
8	Houses damaged: -	6023	

	No. of houses damaged :-	
	(i) Fully damaged Pucca houses	86
	(ii) Fully damaged kuccha houses	481
	(iii) Severely /Partially damaged houses (Pucca+kuccha)	3171
	(iv) No. of huts/cowsheds/Gharat etc. damaged	2285
	(a) Estimated value of damage to houses	43.03
9.	No. of human lives lost	343 (Rs.13.72 Cr)
10	No. of persons with grievous injuries	33
11	No. of persons with minor injuries	18
12	Animals lost:-	
	(a) No. of big Animals lost	154
	(b) No. of small Animals lost	1130
	(c) No. of Poultry (birds) lost	
13	(a) Damage to public properties: - (1) PWD roads (sector wise detail should be given-e.g. length of state roads damaged, length of district roads damaged, length of village roads damaged. No of bridges damaged, No. of culverts damaged, No. of school building damaged etc) State Highways =0 km Major Distt. Roads= 2559.20 km out of 4131Km Rural Road = 15212.99 km out of 2919 km Bridges = 3 Culverts = 968	Rs.929.27
	(2) Irrigation & Public Health Rural and urban water supply schemes =4856 Irrigation schemes damaged =1746	Rs. 430.04
	(3) Power Damage to transformers, HT and LT lines, substation, EHB/HB line, and power houses of HPSEBL.	Rs.24.50
	(4) Animal Husbandry:	Rs.0.87
	(5) Health: Damage to various health institution buildings.	
	(6) Community assets: Damage to various community assets like village paths, Mahila Mandal Bhawans, Yuvak Mandal Bhawans, Panchayat Ghars etc.	Rs. 10.30
	(7) Fisheries	Rs. 6.76

	(8) Education	Rs.5.05
	(9) Health	
	(10) Removal of debris	
	(11) Search and Rescue Operation	
14	Estimated total damage to Human lives, Houses, Crops and public properties.	Rs. 1594.01 Cr.

Appendix-III

Assistance for provision of temporary accommodation, food, clothing, medical care etc. of people affected/ evacuated (operation of relief camps)

Sr. No.	Name of affected District	Average No. (in days) of relief camps	Average duration of operation of relief camps	Average No. of people accommodated per day in the relief camps	Expenditure incurred on				
					Temporary accommodation	Food	Clothing	Medical care	Other essential items (to be specified)
1	2	3	4	5	6	7	8	9	10
1.	BILASPUR	—	—	—	—	—	—	—	—
2.	CHAMBA	—	—	—	—	—	—	—	—
3.	HAMIRPUR	—	—	—	—	—	—	—	—
4.	KANGRA	—	—	—	—	—	—	—	—
5.	KINNAUR	—	—	—	—	—	—	—	—
6.	KULLU	—	—	—				—	-
7.	LAHAUL & SPITI	—	—	—	—	—	—	—	-
8.	MANDI								
9.	SHIMLA	—	—	—	—	—	—	—	—
10.	SIRMAUR	—	—	—	—	—	—	—	—
11.	SOLAN	—	—	—	—	—	—	—	—
12.	UNA	—	—	—	—	—	—	—	—
13	TOTAL	—	—	—	—	—		—	
14	GRAND TOTAL								

Statement showing loss assessment in terms of Money Value to Kharif crops in Himachal Pradesh during Monsoon, 2018.

Assessment of Losses to Kharif Season, 2018 due to Heavy Rains.						
Sr. No	Name of Crops	Area (in Hectares)		Extent of area damaged under crops (in Hectares)		Damages of area under crops in terms of money value (Lacs.)
		Sown	Damaged	Less than 33%	33% and above	
1	2	3	4	5	6	7
A. Cereals						
1	Maize	293400	29404	27904	1500	2534.80
2	Paddy	74000	3203	2693	510	39.64
3	Ragi	2010	0	0	0	0
4	Millet	5000	55	45	10	0.96
5	Kharif Pulses	17500	1242	1084	158	184.47
Total (Cereals)		391910	33904	31726	2178	2759.87
B. Commercial Crops						
1	Vegetables	46600	7620	6710	910	3430.55
2	Potato	12180	506	486	20	316.51
3	Ginger	2900	142	135	7	165.85
4	Oil Seeds	7600	248	238	10	26.41
Total (Comm. Crops)		69280	8516	7569	947	3939.32
Grand Total (A+B)		461190	42421	39296	3125	6699.19

Calculation of assistance for agriculture inputs subsidy- Small & Marginal Farmers (SMF)

Assessment of Losses to Kharif Season, 2018 due to Heavy Rains.										
Sr. No	Name of the affected District.	Total Area Sown (in Hac.)	Total Agricultural area where Crop loss is >33% (in Hac.)	Out of (4) area belonging to SMF			Assistance sought for different categories of crops (Rs. In Lacs)			Total Assistance sought (Rs. In lacs)
				Rainfed (in Hac.)	Irrigated (in Hac.)	Perennial (in Hac.)	Rainfed (Rs. 6800x col.5A) (In lacs)	Irrigated (Rs.13500 x col.5B) (in lacs)	Perennial (Rs. 18000(x col.5C)	
1	2	3	4	5A	5B	5C	6A	6B	6C	7(6A+6B+6C)
1	Bilaspur	31265	4	0	0	0	0	0	0	0
2	Chamba	35075	0	0	0	0	0	0	0	0
3	Hamirpur	35080	142	114	28	0	7.75	3.78	0	11.53
4	Kangra	104690	0	0	0	0	0	0	0	0
5	Kinnaur	5500	0	0	0	0	0	0	0	0
6	Kullu	237585	0	0	0.0	0	0	0	0	0
7	L/Spiti	5555	0	0	0	0	0	0	0	0
8	Mandi	77480	2470	1976	494	0	134.37	66.69	0	201.06
9	Shimla	35250	13	0	0	0	0.68	0.41	0	0
10	Sirmour	39400	0	0	0	0	0	0	0	1.09
11	Solan	35120	500	400	100	0	27.20	13.50	0	40.70
12	Una	32990	0	0	0	0	0	0	0	0
	Total	461190	3125	2500	625	0	170	84.38	0	254.38

Assessment of Horticulture Cropped Area Affected Due to flash floods, cloud burst, landslides, Department of Horticulture, HP

Name of calamity :- Cloudburst, Flash-Floods And Landslides																						
Period of Occurrence:- 15 th June to 15 th September 2018																						
Name of District	Name of Horticulture crop	Category wise number of farmers affected				Category wise area affected (in hect.)				Loss to Nursery plants			Loss to fruit Trees			Expected loss to fruit crop				Total Value (in lakh) (13+16+ 18+20)	Total area affected where crop loss is<33%	Total area affected where crop loss is>33%
		No. of marginal farmers affected	No of small farmers affected	No. of other farmers affected	Total nos of farmers affected	Marginal farmers	Small farmers	Other farmers	Total area affected	completely destroyed	No. of plants partially damaged	Value (in Lakh Rs.)	No. of trees completely destroyed	No. of trees partially damaged	Value (in Lakh Rs.)	Quantitative loss (MT)	Value (in Lakh)	Qualitative loss (MT)	Value (in lakh)			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Bilaspur	Fruit crops	62	57	46	165	34.00	26.00	20.00	80.00	-	-	-	-	-	-	98	22.00	102	22.20	44.20	67	13
Chamba	Fruit crops	210	158	20	388	4.00	3.50	0.25	7.75	-	5,000	0.50	400	800	212.00	14	2.00	5	1.00	15.00	8	-
Hamirpur	Fruit crops	662	384	256	1,302	95.33	60.10	27.75	183.18	998	-	0.40	34	-	0.77	193	12.13	-	-	13.30	183	-
Kangra	Fruit crops	1,402	988	578	2,968	850.00	778.00	397.00	2,025.00	-	-	-	-	1,856	23.84	2,360	238.37	-	-	262.21	1,835	190
Kinnaur	Fruit crops	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kullu	Fruit crops	580	70	30	680	208.48	38.00	25.00	271.48	-	-	-	448	-	28.20	196	41.20	40	6.00	75.40	271	0
Lahaul Spiti	Fruit crops	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mandi	Fruit crops	4,354	1,478	132	5,964	953.00	233.00	130.00	1,316.00	1,665	1,600	64.37	-	-	-	362	54.30	-	-	141.17	1,269	47
Shimla	Fruit crops	205	55	17	277	102.50	82.50	42.50	227.50	-	-	-	-	-	-	-	-	398	139.34	139.34	228	-
Sirmour	Fruit crops	1,817	783	426	3,026	1,640.00	981.30	654.20	3,275.50	-	2,367	0.48	1,120	2,575	23.79	827	80.10	402	40.05	144.42	2,406	870
Solan	Fruit crops	546	478	153	1,177	137.00	105.00	94.00	336.00	-	-	-	-	-	-	211	22.55	-	-	22.55	180	156
Una	Fruit crops	2,575	3,382	2,027	7,984	246.00	270.00	169.00	685.00	-	-	-	-	-	-	1,373	68.84	-	-	68.84	607	78
	G.Total	12,413	7,833	3,685	23,931	4,270.31	2,577.40	1,559.70	8,407.41	2,663	8,967	65.75	2,002	5,231	288.60	5,633	541.49	947	208.59	926.43	7,052.77	1,354.64
Say Rs. 9.2643 Cr.																						

Appendix-IV-D

Assessment of Horticulture Cropped Area Affected Due to cloud burst, flash floods, landslides during Monsoon, 2018.

Department of Horticulture, HP

Sr . No.	Name of affected Districts	Total No. of Farmers(Orchardists)	Total No.of farmers affected	Total Area under fruits(2013-14)	Total Horticultural area affected for all categories (small, marginal & other farmers) (Hect)	Total Horticultural area where crop loss is >33% for all categories (small, marginal & other farmers) (Hect.)	Out of (7) area belonging to Small, Marginal & Other Farmers			Assistance sought for different categories of crops			Total assistance sought (Rs.)
							Rainfed	Irrigated	Perennial	Rainfed	Irrigated	Perennial	
1	2	3	4	5	6	7	8A	8B	8C	9A	9B	9C	10(9A+9B+9C)
1	Bilaspur	32350	165	8087	80.00	13.00	0	0	0	0	0	2,34,000.00	2,34,000
2	Chamba	28614	388	16903	7.75	0.00	0	0	0	0	0	-	-
3	Hamirpur	41741	1,302	7544	183.18	0.00	0	0	0	0	0	-	-
4	Kangra	103383	2,968	40202	2025.00	190.00	0	0	0	0	0	34,20,000.00	34,20,000
5	Kinnaur	6145	-	13016	0.00	0.00	0	0	0	0	0	-	-
6	Kullu	34448	680	30427	271.48	0.48	0	0	0	0	0	8,640.00	8,640
7	Lahaul & Spiti	493	-	1754	0.00	0.00	0	0	0	0	0	-	-
8	Mandi	68354	5,964	37201	1316.00	47.00	0	0	0	0	0	8,46,000.00	8,46,000
9	Shimla	55020	277	47212	227.50	0.00	0	0	0	0	0	-	-
10	Sirmour	28389	3,026	14822	3275.50	870.00	0	0	0	0	0	156,60,000.00	156,60,000
11	Solan	31143	1,177	6127	336.00	156.00	0	0	0	0	0	28,08,000.00	28,08,000
12	Una	34174	7,984	5907	685.00	78.16	0	0	0	0	0	14,06,880.00	14,06,880
	Grand Total	464254	23931	229202	8407.41	1354.64	0	0	0	0	0	243,83,520.00	243,83,520.00
													Say Rs. 2.44Cr.

Appendix – IV E**Loss of Agricultural/Horticultural land**

Sr. No	Districts	Nature of loss	Extent	Value (Rs. in lacs)
1	State H.P.	Cultivated Area washed away /damaged by landslides avalanches and change of course of rivers	411.45 Hec.	1256.75 lacs
		Total:	411.45	1256.75

Horticultural input subsidy –farmers other than SMF

S. No	Name of affected district	Total Agric ultural area where crop loss is >50 %(in ha)	Out of (3)area belonging to farmers other than SMF			No. of farmers other than SMF affected by the instant calamity (only)			No. of farmers other than SMF affected by successive calamities			Assistance sought for different categories of crops						Total Assistance sought (Rs.in crores)
			Rainfed	Irrigated	Perennial	Rainfed	Irrigated	Perennial	Rainfed	Irrigated	Perennial	Affected first time			Affected for successive calamities			
												Rainfed	Irrigated	Perennial	Rainfed	Irrigated	Perennial	
1	2	3	4A	4B	4C	5A	5B	5C	6A	6B	6C	7A	7B	7C	8A	8B	8C	9[7A+B+C] +8(A+B+C)]
1	BILASPUR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	CHAMBA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	HAMIRPUR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	KANGRA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	KINNAUR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	KULLU	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	LAHAUL & SPITI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	MANDI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	SHIMLA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	SIRMAUR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	SOLAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	UNA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Appendix-VI**Animal Husbandry (Replacement of animals)**

	Name of the District	No. of Cattle lost				No. of animals qualifying for relief grant (i.e. subject to ceilling of 1 large milch animal or 4 small milch animals or 1 large draught animals or 2 small draught animal per household)				Assistance sought (Milch @ Rs. 30,000/-/Rs. 3000/- per animal and draught Animals @ Rs 25,000 and Rs. 16,000/- per animal)				Total Rs. In Lakh
		Milch Animal		Draught Animals		Milch Animal		Draught Animals		Milch Animal		Draught Animals		
		Buffalo / Cow/ Camel	Sheep/ Goat	Camel/ Horse/ Bullock	Calf Donkey & Pony	Buffalo / Cow/ Camel	Sheep/ Goat	Camel Horse/ Bullock	Calf Donkey & Pony	Buffalo/ Cow/ Camel	Sheep/ Goat	Camel/ Horse/ Bullock	Calf Donkey & Pony	
1.	BILASPUR	5	4	3	2	5	1	3	.5	1.50	.30	.75	.32	2.23
2.	CHAMBA	38	798	6	-	29	199.5	3	-	10.70	23.94	.75	-	8.86
3.	HAMIRPUR	8	1	-	2	8	.25	-	1	2.40	.03	0.32		2.37
4.	KANGRA	55	31	3	1	41	5.25	3	.5	14.30	.63	.75	.16	13.40
5.	KULLU	11	118	4	1	7	29.25	4	.5	3.10	3.39	1.00	.16	6.48
6.	KINNAUR		1	3		-	.25	3	-	-	.03	.75	-	0.71
7.	LAHAUL & SPITI	-	-	-	-	-	-	-	-	-	-	-	-	0
8.	MANDI	19	57		1	22	13.50	-	.5	6.70	1.50	-	.16	5.13
9.	SHIMLA	-	17	-	-	-	4.25	-	-	-	.51	-	-	6.00
10.	SIRMAUR	11	61	5	4	11	15.25	7	2	3.30	1.83	1.75	0.64	37.60
11.	SOLAN	4		1		4	-	1	-	1.20	-	.25	-	2.40
12.	UNA	6	4			6	1	-	-	1.80	0.12	-	-	1.69
Total		157	1092	25	11	130	269.50	24	5.5	45.00	32.28	6.32	1.44	87.04

(Says Rs 0.87 Cr.)

Appendix-VII

Assistance sought for repair/restoration of damaged houses.

Sr. No	Name of affected district	No. of houses damaged											
		Fully damaged Pucca houses @ Rs.1,01,900 per houses		Fully damaged kutcha houses @ Rs. 1,01,900 per house		Partially/Severely damaged Pucca houses @ Rs.1,01,900 per houses		Partially/Severely damaged kutcha houses @ Rs.1,01,900 per house		Cowsheds/ Gharats/ Business Premises@ Rs. 10,000 per Unit		Labors Sheds @ Rs.4100 per Shed	
		No	Amount (Lacs)	No	Amount (Lacs)	No	Amount (Lacs)	No	Amount (Lacs)	No	Amount (Lacs)	No	Amount (Lacs)
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1.	BILASPUR	3	3.06	38	38.76	26	26.52	70	71.40	185	18.50	1	.04
2.	CHAMBA	7	7.14	44	44.88	18	18.36	392	399.84	152	15.20	21	.86
3.	HAMIRPUR	3	3.06	29	29.58	21	21.42	176	156.06	175	17.50		
4.	KANGRA	38	38.76	178	181.56	64	65.28	601	613.02	613	70.30	23	.94
5.	KULLU	13	13.26	38	38.76	67	68.34	75	76.50	82	8.20	14	.57
6.	KINNAUR	5	5.10	0		48	48.96	14	14.28	11	1.10	6	.24
7.	LAHAUL & SPITI			0		1	1.02						
8.	MANDI	3	3.10	23	23.46	5	5.95	242	246.84	283	28.30		
9.	SHIMLA	6	6.12	27	27.54	66	67.32	338	344.76	201	20.10		
10.	SOLAN	5	5.10	8	15.30	51	52.02	152	155.04	222	22.20	5	.20
11.	SIRMOUR	2	2.38	15	15.30	25	25.50	54	55.08	105	10.70		
12.	UNA	1	1.02	81	82.62	370	377.40	295	300.90	119	11.90	67	2.75
	TOTAL	86	87.72	481	490.62	762	778.09	2409	2433.72	2148	224.00	137	5.60

Appendix-VIII

Format for working out the requirements under the head of repair of damaged infrastructure of immediate nature.

Sector		Damage in physical terms	Requirement of funds for repair of immediate nature (in Rs crore)	Out of (3), amount available from annual maintenance budget (in Rs crore)	Out of (3), amount available from related schemes/ programmes / other sources (in Rs crore)	Out of (3), amount proposed * to be met from SDRF/ NDRF in accordance with list of works indicated in the Appendix to the revised items and norms (in Rs crore)
1		2	3	4	5	6
Roads & Bridges		<p>Total length = 17772.19 km out of 32375 km</p> <p>State Highways = 0 km out of 0 km</p> <p>Major Distt. Roads=...2559.20 km out of 4131 km</p> <p>Rural Roads= 15212.99 out of 29190 km</p> <p>Bridges =3 Culverts = 968</p>	<p>Rs. 274.94 Cr. For temporary restoration</p> <p>654.33 Cr For permanent restoration</p>	-	Rs. 36.00 Cr.	<p>929.27 Cr</p> <p>Amount of damages has been calculated as per Schedule of Rate (SOR)</p> <ol style="list-style-type: none"> 1. Slip 90/- per cum 2. R/Wall and B/Wall 24600/- per Rmt 3. 3. Pot holes 294/- per sq.m 4. Crust 993/- per Rmt 5. Culvert 4,14,981/- per culvert
Irrigation and Public Health	Urban/ Rural	4856 schemes	253.82Cr	-	-	253.82 Cr.
	Irrigation	1746 Schemes	176.21 Cr.	-	-	176.21 Cr.
	Sewerage	Not covered				
	Flood Protection Work	Not covered				

		Total:				Rs.430.04 Cr
Power	Damage to Electrical infrastructure including transformers, HT/LT lines, EHB/HB lines towers sub-stations and power houses	0	-	-		Rs. 24.50 Cr
Education	Damage to school institutions.	-	-	-		Rs. 5.05 Cr.
Health (Primary Health Centers)	Damage to various health institutions	0	-	-		-
Animal Husbandry	Damage to the roofs, windows, doors and retaining walls of Veterinary institutions.	-				-
Community assets in owned by village communities	Damage to community centers, village paths, panchayat ghars, Mahilamandals and yuvabhawans.					Rs. 10.30 Cr
BRO Roads	Damage to National highway	0	-	-		Not covered
Fisheries	Damage to trout fish farm and fishery resources	0	-	-		Rs. 6.76
Grand Total			-	-		Rs. 1405.92Cr

Appendix-IX**State: Himachal Pradesh****Status of expenditure from State Disaster Response Fund (SDRF/NDRF) Account, Year 2018**

S.No	Item	Amount (Rs. in Crores)
	(I) Receipts	
1.	Opening balance in SDRF account as on 1.4.2018 of financial year 2018-19 (a)SDRF (b)NDRF (c) Total	2.68
2.	SDRF Releases made during instant financial Year (central and state share): (a) First installment (b) Second installment (c) Total	(a) 122.85+13.65=136.50 (b) 122.85+13.65=136.50 (c) 273.00
3.	NDRF releases during the instant financial year, If any	84.13
4.	Interest received on investments made as per the CRF scheme	0.1768(30-09-2018)
5.	Total funds available in the SDRF account(1+2+3+4)	357.3068
	(II) Expenditure (as on 31-3-2018)	Nil
6.	Expenditure incurred as per norms on approved natural calamities as per the Schemes of SDRF/NDRF (indicate calamity-wise expenditure)	343.76
	1) Gratuitous relief and cash assistance: Rs. 95.00 Cr	
	2)Repair of Public Buildings : nil	
	3)Repair of Houses : Rs. 28.13 Cr	
	4)Repair of Roads/Bridges : Rs. 98.00Cr	
	5)Repair of Irrigation and Water Supply Schemes : Rs.50.63Cr	
	6)Horticulture input subsidies : Rs. 20.00 Cr	
	7)Agriculture input subsidies : Rs. 20.00 Cr	
	8)Subsidy for Animal loss and fodder : Rs. nil	
	9)Repair of Electrical infrastructure : Rs. 8.00 Cr	
	10)Repair of Community Assets : Rs. 24.00Cr	
	Total :Rs.343.76Cr	
7.	Expenditure incurred on training to specialized Teams of the state/District personnel	Nil
8.	Expenditure incurred on procurement of search and rescue equipment etc.(as per extent approved items.	6.24
9.	Total expenditure incurred (6+7+8)	350.00
10.	Balance available in the SDRF account of the instant financial year:- (a)SDRF (b)NDRF (c) Total	9.9868 Nil 9.9868

Appendix-X

Profile of the State

S.No.	Name of District	Total land area Sq.Km.)	Number of villages	Population Rate (in lakh)	Literacy Rate (in percent)	Total Cropped area (In ha.) 2015-16	% of SMF* (Holdings)	Inter-state rivers	Normal annual rainfall (mm)
1	2	3	4	5	6	7	8	9	10
1.	BILASPUR	1167	1061	3.82	84.59	56901	30.25	Satluj	981.2
2.	CHAMBA	6522	1591	5.19	72.17	67775	26.40	Ravi	1177.3
3.	HAMIRPUR	1118	1725	4.55	88.15	67710	30.70	Bias	1303.7
4.	KANGRA	5739	3869	15.10	85.67	213283	23.28	Bias	1522.3
5.	KINNAUR	6401	660	0.84	80.00	10646	41.42	Satluj	432.2
6.	KULLU	5503	326	4.38	79.40	59597	14.66	Bias	1191.6
7.	LAHAUL-SPITI	13841	521	0.32	76.81	3517	56.74	Chander Bhaga	550.9
8.	MANDI	3950	3338	10.00	81.53	160610	27.58	Bias	1625.1
9.	SHIMLA	5131	3231	8.14	83.64	86468	34.47	Satluj	1076.7
10	SIRMAUR	2825	976	5.30	78.80	75638	48.63	Jamuna	356.6
11	SOLAN	1936	2544	5.80	83.68	62455	52.87	Satluj	1344.2
12	UNA	1540	848	5.21	86.53	74025	34.38	Sawan	1243.2
Total	HP	55673	20690	68.65	82.80	938625	29.88	-	1021.5

Source: Economics and Statistics Department

Extent of damage due to natural calamities

Type of Natural Calamity: Cloud Burst, Flash Floods, Landslides during Monsoon, 2018.

S.No.	Item		Details
1.	Period occurrence		01.6.2018 to 30-09-18
2.	Total number of districts in the state		12
3.	Number and names of districts affected		12 No. (Bilaspur, Chamba, Hamirpur, Kangra, Kinnaur, Kullu, Lahaul&Spiti, Mandi, Shimla, Sirmour, Solan, Una)
4.	Number of villages affected		20,690 Census Villages
5.	Population affected		68.65 lakh as per 2011 Census
6.	Total land area affected		55.67 Sq. km.
7.1	Cropped area affected		
7.1.1	Total cropped area affected	Agriculture: 42421 ha	50828.41 ha
		Horticulture: 8407.41 ha	
7.1.2	Estimated loss to crops and horticultural land	Agriculture: 12.57Cr	Rs. 12.57Crores
		Horticulture: Cr	
7.1.3	Area where crop damage was more than 33%	Agriculture: 3125 ha	4479.64 ha
		Horticulture: 1354.64 ha	
7.2	Percentage of cropped area held by SMF		
7.2.1	In state as a whole		87.95%
7.2.2	In the affected districts		12
8.	Houses damaged		
8.1	No. of house damaged (Total)		3432
8.1.1	Fully damaged pucca houses		86
8.1.2	Fully damaged Kutcha houses		396
8.1.3	Severely /Partially damaged houses (pucca+kutcha)		2950
8.1.4	No. of huts/cowsheds damaged		2204
8.2	Estimated value of damage to houses		Rs. 37.17 Cr
9	No. of human lives lost		331 = Rs. 13.24 Cr
10.	No. of persons who suffered grievous injuries		-
11.	No. of Persons who suffered minor injuries		-
12.	Animal & Poultry Loss		1235 = Rs. 0.79 Cr
12.1	No of milch animal lost		1200

12.1.1	Buffalo/cow/Camel/Yak	130
12.1.2	Sheep/Goat	1070
12.1.3	Others(indicate name)	0
12.2	No. of Draught animals lost	35
12.2.1	Camel/Horse/Bullock	24
12.2.2	Calf /Donkey/Pony/Mule	11
12.2.3	Others (indicate name) Yak	0
12.3	No of Poultry birds lost	0
13.	Damage to public properties	
13.1	Public works department	Rs. 929.27 Cr
13.1	Roads (All)	
13.1.1	State Roads (NH-22)	
13.1.2	District Roads	
13.1.3	Village Roads	
13.2	Bridges & Culverts	
13.2.1	Bridges	3 Nos.
13.2.2	Culverts	968 Nos.
13.3	Drinking water supply	4856 schemes damaged
13.4	Irrigation, sewerage flood protection works	1746 Irrigation Schemes
13.5	Power Sector	-
13.6	Education Sector	24.50 Cr
13.6.1	Primary Schools (Damaged/Destroyed)	
13.6.2	Middle Schools (Damaged/Destroyed)	
		Rs. 5.05 Cr

13.6.3	High/Higher Secondary Schools (Damaged/Destroyed)		
13.6.4	Other educational institutes (Damaged/Destroyed)		
13.7	Health Sector		
13.7.1	PHCs (Damaged/Destroyed)		
13.7.2	CHCs(Damaged/Destroyed)		
13.8	Community assets etc		
14.	Animal Husbandry	Damage to the roofs, windows, doors and retaining walls of Veterinary institutions.	0
15.	Search and Rescue		
16.	Removal of Debris		
	Total Estimated damage to Human Lives, Houses, Crops and public Properties		Rs. 1452.63 Cr.

Extent of damage due to Cloud Burst, Flash Floods, Landslides – Monsoon, 2018

S. No	Item	Calamities
		Heavy rains leading to flashfloods and landslides
1.	Period of occurrence	June-September, 2018
2.	Total No of districts	12
3.	No and name of districts affected	12 (Bilaspur, Chamba, Hamirpur, Kangra, Kinnaur, Kullu, Lahaul & Spiti, Mandi, Shimla, Sirmour, Solan, Una)
4.	No. of villages affected	20,690 Census Villages
5.	Population affected (in lakh)	68.65 lakh as per census, 2011.
6.	Total area affected	55.67 lakh ha.
7.1	Cropped area affected	42421 ha
7.1.1	Total Cropped area affected	8407.41 ha
7.1.2	Estimated loss to crops and Agri land (Rs.in Cr)	12.97 Crore
7.1.3	Area where crop damage was more than 33%	3125 ha
7.2	Percentage of cropped area held by SMF	87.95 %
7.2.1	In State as a whole	-
7.2.2	In the affected districts	12
8	Houses damaged	
8.1	No. of houses damaged (Total)	3432

S. No	Item	Calamities
		Heavy rains leading to flashfloods and landslides
8.1.1	Fully damaged pucca houses	86
8.1.2	Fully damaged kutcha houses	396
8.1.3	Severely /Partially damaged houses (pucca+kutcha)	2950
8.1.4	No. of Shops, cowsheds,huts etc. damaged	2204
8.2	Estimated value of damaged to houses	Rs. 37.17 Cr
9	No. of human lives lost	331 = Rs. 13.24 Cr
10	No. of persons who suffered grievous injuries	-
11	No. of persons who suffered minor injuries	-
12	Animal &Polutry loss	1235 = Rs. 0.79 Cr
12.1	No. of milch animal loss	1200
12.1.1	Buffalo/cow/Camel/Yak	130
12.1.2	Sheep/Goat	1070
12.1.3	Others (Indicate name) Yak	0
12.2	No. of Draught animals lost	35
12.2.1	Camel/Horse/Bull ock	24
12.2.2	Calf/Donkey/Pony /Mule	11
12.2.3	Others (indicate Name)	0

S. No	Item		Calamities
			Heavy rains leading to flashfloods and landslides
12.3	No. of Poultry birds lost		0
13	Damaged to public property		
13.1	Roads (All)	Length	13733 Km.
		Estimated loss (Rs. in lacs)	929.27 Cr
13.1.1	State Roads	Length	
		Estimated loss (Rs. in Cr.)	
13.1.2	District Roads	Length	
		Estimated loss (Rs. in Cr.)	
13.1.3	Village Roads	Length	
		Estimated loss (Rs. in Cr.)	
13.2	Bridges & Culverts	No.	
		Estimated loss (Rs. in Cr.)	
13.2.1	Bridge	No.	
		Estimated loss (Rs. in Cr.)	
13.2.2	Culverts	No.	
		Estimated loss (Rs. in Cr.)	
13.3	Drinking water supply	No. of Schemes	4856
		Estimated loss (Rs. in Cr.)	253.82Cr
13.4	Irrigation sector, FPW and Sewerage	No. of Schemes	1746
		Estimated loss (Rs. in Cr.)	176.21Cr

S. No	Item		Calamities
			Heavy rains leading to flashfloods and landslides
13.5	Power Sector	No. of Schemes	-
		Estimated loss (Rs. in lacs)	24.50 Cr
13.6	Education Sector	190 Institutes	0
13.6.1	Primary Schools (Damaged/Destroyed)	No. of Schemes	
		Estimated loss (Rs. in Cr.)	5.05 Cr.
13.6.2	Middle Schools (Damaged/Destroyed)	No. of Schemes	-
		Estimated loss (Rs. in Cr.)	-
13.6.3	High/Higher Secondary School (Damaged/Destroyed)	No. of Buildings	
		Estimated loss (Rs. in Cr.)	
13.6.4	Other education institutes (Damaged/Destroyed)	No. of buildings	
		Estimated loss (Rs. in Cr.)	
13.7	Health Sector	175 Institutions	
13.7.1	PHCs (Damaged/Destroyed)	No. of buildings	
		Estimated loss (Rs. in Cr.)	
13.7.2	CHCs (Damaged/Destroyed)	No. of buildings	
		Estimated loss (Rs. in Cr.)	
13.8	Community assets etc	No. of buildings	
		Estimated loss (Rs. in Cr.)	10.30Cr.
13.7.4	Search and Rescue		
13.7.5	Removal of Debris		
	Total Estimated damage to Houses, Crops and public properties	Estimated loss (Rs. in Cr.)	Rs. 1426.17 Crore

Appendix-XII

**Statement Showing Item-wise details of expenditure incurred as per approved items and norms of SDRF/NDRF
(Rs in crore) in the financial year 2017-18.**

Code No.	Items	Calamity											
		Avalanche/ Snowfall	Cloud burst	Cyclone	Drought	Earthquake	Fire	Flood	Hailstorm	Landslide	Pest Attack	Tsunami	Cold wave/ Frost
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1.	Gratuitous Relief	95.00 Crores											
(a)	Ex-Gratia Payment to families of deceased person												
	(i) As per SDRF/NDRF norms												
	(ii) Outside the Norms												
	(iii) Total no. of beneficiaries												
(b)	Ex-Gratia Payment for loss of a limb or eyes												
	(i) As per SDRF/NDRF Norms	-											
	(ii) Outside the norms	-											
	(iii) Total no. of beneficiaries	-											
(c)	Grievous injury requiring hospitalization												
	(i) As per SDRF/NDRF Norms												
	(ii) Outside the norms												
	(iii) Total no. of beneficiaries												
(d)	Relief for the old , infirm and destitute, children												
	(i) As per SDRF/NDRF Norms	-											
	(ii) Outside the norms	-											
	(iii) Total no. of beneficiaries	-											
(e)	Clothing and utensils/household goods for families whose houses have been washed away/fully damaged/severely inundated for more than a week due to natural calamity												
	(i) As per SDRF/NDRF Norms	-											
	(ii) Outside the norms	-											
	(iii) Total no. of beneficiaries	-											
(f)	Gratuitous relief for families in dire need of immediate sustenance after calamity												
	(i) As per SDRF/NDRF Norms	-											
	(ii) Outside the norms	-											
	(iii) Total no. of beneficiaries	-											

Code No.	Items	Calamity											
		Avalanche/S nowfall	Cloud burst	Cyclone	Drought	Earthquake	Fire	Flood	Hailstorm	Landslide	Pest Attack	Tsunami	Cold wave/Frost
1	2	3	4	5	6	7	8	9	10	11	12	13	14
2.	Supplementary Nutrition												
	(i) As per SDRF/NDRF norms	-											
	(ii) Outside the Norms	-											
	(iii) Total no. Of beneficiaries	-											
3.	Assistance to Small and Marginal Farmers(SMF)for Agri/Horticulture: 40.00 Crores												
(a)	Desilting of agriculture land	-											
	(i) As per SDRF/NDRF Norms	-											
	(ii) Outside the norms	-											
	(iii) Total no. eligible area(Ha.)	-											
	(iv) No. Of S&M Farmers	-											
(c)	Desilting /Restoration/Repair of fish farms												
	(i) As per SDRF/NDRF Norms	-											
	(ii) Outside the norms	-											
	(iii) Total no. eligible area(Ha.)	-											
	(iv) No. of S&M Farmers	-											
(d)	Loss of Substantial portion of land caused by landslide, avalanche, change of course of rivers												
	(i) As per SDRF/NDRF Norms												
	(ii) Outside the norms												
	(iii) Total no. eligible area(Ha.)												
	(iv) No. of S&M Farmers												
(e)	Agriculture input subsidy where crop loss was 50% and above												
	For agriculture crops, horticulture crops. Annual plantation & perennial crop (Rs in crore)												
	(i) As per SDRF/NDRF Norms												
	(ii) Outside the norms												
	(iii) Total no. eligible area(Ha.)												
	(iv) No. of S&M Farmers												

Code No.	Items	Calamity											
		Avalanche/Snowfall	Cloud burst	Cyclone	Drought	Earthquake	Fire	Flood	Hailstorm	Landslide	Pest Attack	Tsunami	Cold wave/Frost
1	2	3	4	5	6	7	8	9	10	11	12	13	14
4.	Input Subsidy to farmers other than Small & Marginal Farmers												
	(i) As per SDRF/NDRF norms												
	(ii) Outside the Norms												
	(iii) Total no. eligible area (Ha.)												
	(iv) No. of S&M Farmers												
5.	Assistance to Small and Marginal sericulture famers												
	(i) As per SDRF/NDRF Norms												
	(ii) Outside the norms												
	(iii) Total area (Ha.)												
	(iv) No. Of S&M Farmers												
6.	Employment Generation												
	(i) As per SDRF/NDRF Norms												
	(ii) Outside the norms												
	(iii) No. of man days generated												
	(iv) Quantum of food gains distributed as part of wage component												
7.	Animal Husbandry Assistance to small and marginal farmers/agricultural labourers												
(i)	Replacement of draught/milch animals or animals used for haulage												
	(i) As per SDRF/NDRF Norms												
	(ii) Outside the norms												
	(iii) No. of beneficiaries												
(ii)	Provision of fodder/feed in cattle camps												
	(i) As per SDRF/NDRF Norms												
	(ii) Outside the norms												
	(iii) Number of Cattle camps												
	(iv) Number of Cattle kept in camps												
	(v) Qty. of fodder (qtls) supplied in camp												
(iii)	Water Supply in Cattle Camps												
	(i) As per SDRF/NDRF Norms												
	(ii) Outside the norms												
	(iii) Total no. of Tanker load												
	(iv) Number of Cattle camps and cattle kept therein												

Code No.	Items	Calamity											
		Avalanche /Snowfall	Cloud burst	Cyclone	Drought	Earthquake	Fire	Flood	Hailstorm	Landslide	Pest Attack	Tsunami	Cold wave/Frost
1	2	3	4	5	6	7	8	9	10	11	12	13	14
(iv)	Additional cost of medicines and vaccine (calamity related requirements)												
	(i)As per SDRF/NDRF Norms	-											
	(ii)Outside the norms	-											
(v)	Supply of fodder outside Cattle Camps												
	(i)As per SDRF/NDRF Norms	-											
	(ii)Outside the norms	-											
	(iii) Total qty.of fodder transported (qtls)	-											
(vi)	Movement of useful cattle to other areas												
	(i)As per SDRF/NDRF Norms												
	(ii)Outside the norms												
	(iii).No. of cattle moved												
8.	Assistance to Fishermen												
(a)	For repair/replacement of boats, nets(damaged or lost)												
	(i)As per SDRF/NDRF Norms	-											
	(ii)Outside the norms	-											
(b)	Input subsidy for fish seed farm												
	(i)As per SDRF/NDRF Norms	-											
	(ii)Outside the norms	-											
	(iii) Total eligible area (Ha.)	-											
	(iv)No. Of Fish farmers	-											
9.	Assistance to artisans in handcraft/handloom sectors by way of subsidy for repair/replacement of damaged equipments												
(a)	Traditional Crafts(Handicraft)												
(i)	For replacement of damaged tools/equipments												
	(i) As per SDRF/NDRF norms	-											
	(ii) Outside the norms	-											
	(III) No. of equipments	-											
	(iv)No. Of beneficiaries	-											

Code No.	Items	Calamity											
		Avalanche/Snowfall	Cloud burst	Cyclone	Drought	Earthquake	Fire	Flood	Hailstorm	Landslide	Pest Attack	Tsunami	Cold wave/Frost
1	2	3	4	5	6	7	8	9	10	11	12	13	14
(ii)	Additional cost of medicines and vaccine (calamity related requirements)												
	(i) No. of equipments												
	(ii) No. Of beneficiaries												
(iii)	For loss of raw material/goods in process/finished goods												
	(i) As per SDRF/NDRF norms												
	(ii) Outside the norms												
	((iii) Qty.ofMaterials(Qtls)												
	(iv) No. of beneficiaries												
(b)	For handloom Weavers												
(i)	Repairs/replacement of loom equipments and accessories												
	(i) As per SDRF/NDRF norms												
	(ii) Outside the norms												
	(ii) No. Of equipments/accessories												
	(iv) No. of beneficiaries												
(ii)	Purchase of yarn and other materials like dyes and chemicals and finished stocks												
	(i) As per SDRF/NDRF norms												
	(ii) Outside the norms												
	(ii) Qty. of Materials(Qtls)												
	(iv) No. of beneficiaries												
10	Assistance for repair/restoration of damaged houses 28.13 Crores												
(a)	Fully damaged/destroyed Pucca houses												
	(i) As per SDRF/NDRF norms												
	(ii) Outside the norms												
	(ii) Number												
(b)	Fully damaged /destroyed Kutcha houses												
	(i) As per SDRF/NDRF norms												
	(ii) Outside the norms												
	(ii) Number												
(c)	Severely damaged housed												
(i)	Severely damaged Pucca houses												
	(i) As per SDRF/NDRF norms												
	(ii) Outside the norms												
	(ii) Number												
(ii)	Severely damaged Kuchha house												
	(i) As per SDRF/NDRF norms												

Code No.	Items	Calamity											
		Avalanche / Snowfall	Cloud burst	Cyclone	Drought	Earthquake	Fire	Flood	Hailstorm	Landslide	Pest Attack	Tsunami	Cold wave/Frost
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	(ii) Outside the norms												
	(ii)Number												
(d)	Partially Damaged Houses(Both Pucca and Kuccha)												
	(i) As per SDRF/NDRF norms												
	(ii) Outside the norms												
	(ii)Number												
(e)	Huts damaged/destroyed												
	(i) As per SDRF/NDRF norms												
	(ii) Outside the norms												
	(ii)Number												
11	Provision of emergency supply of drinking water in rural areas and urban areas.												
	(i) As per SDRF/NDRF norms												
	(ii) Outside the norms												
	(iii)Total Qty. of water supplied (No. Of tankers load)												
12	(i)Provisions of medicines,disinfectants ,insecticides for prevention of outbreak of epidemics												
	(ii)No. of beneficiaries												
13	(i)Medical care for cattle and poultry against epidemics as a sequel to a notified natural calamity												
	(ii)Total no of cattle & paltry benefited												
14	(i)Evacuation of people affected /likely to be affected												
	(ii)No. Of people evacuated												
	(iii) Average cost/person												
15	Hiring of boats for carrying immediate relief and saving life												
	(i)No. of boat days												
	(ii)Average hiring cost per boat/day												

Code No.	Items	Calamity											
		Avalanche/ Snowfall	Cloud burst	Cyclone	Drought	Earthquake	Fire	Flood	Hailstorm	Landslide	Pest Attack	Tsunami	Cold wave/Frost
1	2	3	4	5	6	7	8	9	10	11	12	13	14
16	Provision for temporary accommodation, food, clothing, medical care etc. of people affected/evacuated (operation of relief camps)												
	(i) As per SDRF/NDRF norms												
	(ii) Outside the norms												
	(ii) No. Of persons provided shelters												
	(iv) No. of relief camps opened												
	(v) Average cost per person/per day												
17	Air dropping of essential supplies												
	(i) No. Of sorties												
	(ii) Quantity (in MTs) dropped/Passengers												
18	Repair/restoration of immediate nature of the damaged infrastructure in eligible sectors												
(a)	Roads & bridges	98.00 Crores											
	(i) As per SDRF/NDRF norms												
	(iii) Cumulative length of roads repaired												
(b)	Drinking water supply and irrigation schemes	50.63 Crores											
	(i) As per SDRF/NDRF norms (Crores)												
	(ii) Outside the norms												
	(iii) Total no. Of schemes												
(c)	Irrigation	As per Col (b) above.											
	(i) As per SDRF/NDRF norms												
	(ii) Outside the norms												
	(iii) Total no. of schemes												
(d)	Power supply (only limited to immediate restoration of electricity supply in the affected areas)	8.00 Crores											
	(i) As per SDRF/NDRF norms (Crores)												
	(ii) Outside the norms												
(e)	Primary Education												
	(i) As per SDRF/NDRF norms												
	(ii) Outside the norms												
	(iii) No. of primary school buildings repaired												

Code No.	Items	Calamity											
		Avalanche/ Snowfall	Cloud burst	Cyclone	Drought	Earthquake	Fire	Flood	Hailstorm	Landslide	Pest Attack	Tsunami	Cold wave/Frost
1	2	3	4	5	6	7	8	9	10	11	12	13	14
(f)	Primary Health Centers												
	(i) As per SDRF/NDRF norms												
	(ii) Outside the norms												
	(iii)No. Of Primary Health Centers buildings repaired												
(g)	Community assets owned by panchayats 24.00 Crores												
	(i) As per SDRF/NDRF norms												
	(ii) Outside the norms												
	(iii)No. of Community assets repaired												
19	Replacement of damaged medical equipments and lost medicines of Govt.hospitals/health centers												
	Repair of Public Buildings												
20	Operational Cost(of POL only) for Ambulance Sevice,Mobile medical Teams and Temporary Dispensaries												
	(i) As per SDRF/NDRF norms												
	(ii) Outside the norms												
21	Cost of clearance of debris												
	(i) As per SDRF/NDRF norms												
	(ii) Outside the norms												
22	Draining off floodwater in affected areas												
23	Cost of search and rescue measures												
	(i) As per SDRF/NDRF norms												
	(ii) Outside the norms												
24	Disposal of dead bodies/carcasses												
	(i) As per SDRF/NDRF norms												
	(ii) Outside the norms												
	(iii) Total no. of carcasses disposed												

Code No.	Items	Calamity											
		Avalanche/Snowfall	Cloud burst	Cyclone	Drought	Earthquake	Fire	Flood	Hailstorm	Landslide	Pest Attack	Tsunami	Cold wave/Frost
1	2	3	4	5	6	7	8	9	10	11	12	13	14
25	Training to specialist multi-disciplinary groups/teams of the state personnel drawn from different cadres/services/personnel involved in management of disaster in the state.												
	(i)Number of training organized												
	(ii)Number of persons trained												
26	Procurement of essential search ,rescue and Evacuation equipments including Communication equipments Rs. 6.24 Crore												
	Cost of equipments procured												
	Gross Total(Crore)	Rs. 350.00 Crore											

**(The details of expenditure component wise is not available. The funds have been released to various departments as per their requirement. The figures shall be consolidated after the expenditure figures are available)*

Appendix - XIII

Monthly Statement of expenditure from SDRF/NDRF*Year: 2017-18 (Monsoon).

1. Opening balance at the beginning of the Month	:Rs. 2.68 Cr
2. Releases during the Month, if any, from SDRF	:Rs. 220.63Cr
2.1 Central Share	:Rs 122.85+84.13*Cr
2.2 State Share	:Rs. 13.65Cr.
3. Release during the Month , if any, from SDRF	: Rs. 136.50Cr
3.1 Central Share	:Rs 122.85Cr
3.2 State Share	:Rs. 13.65Cr.
4. Interest on investments	: Rs. 00.1768Cr
5. Total Availability of Funds(Sum of 1 to 4)	: Rs. 359.9868 Cr
6. Expenditure incurred during the month	: Rs. 350.00
7. Closing balance at the end of month(5-6)	: Rs. 9.9868 Cr

(Rupees in crore)

Code No.	Items	Calamity											
		Avalanche	Cloud burst	Cyclone	Drought	Earthquake	Fire	Flood	Hailstorm	Landslide	Pest Attack	Tsunami	Cold wave/Frost
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1.	Gratuitous Relief	95.00 Crore											
(a)	Ex-Gratia Payment to families of deceased persons												
	(i) As per SDRF/NDRF norms												
	(ii)Outside the Norms												
	(iii)Total no. of beneficiaries												
(b)	Ex-Gratia Payment for loss of a limb or eyes												
	(i)As per SDRF/NDRF Norms	-											
	(ii)Outside the norms	-											
	(iii)Total no. of beneficiaries	-											
(c)	Grievous injury requiring hospitalization												
	(i)As per SDRF/NDRF Norms												
	(ii)Outside the norms												
	(iii)Total no. of beneficiaries												

Code No	Items	Calamity											
		Avalanche /Snowfall	Cloud burst	Cyclone	Drought	Earthquake	Fire	Flood	Hailstorm	Landslide	Pest attack	Tsunami	Cloud wave/frost
1	2	3	4	5	6	7	8	9	10	11	12	13	14
(d)	Clothing and utensils /house hold goods for families whose house have been washed away/fully damaged /severely inundated for more than a week due to a natural calamity.												
	(i) as per SDRF/NDRF norms	-											
	(ii) outside the norms	-											
	(iii) Total no. of beneficiaries	-											
(e)	Gratuitous relief for families in dire need of immediate sustenance after a calamity. (GR to be provided to those who have no feed reserves, or whose food reserves have been wiped out in a calamity, and who have no other immediate means of support.)												
	(i) as per SDRF/NDRF norms												
	(ii) outside the norms												
	(iii) Total no. of beneficiaries												
2.	Search & rescue operations												
(a)	Cost of search and rescue measures/evacuation of people affected/likely to be affected												
	(i) as per SDRF/NDRF norms												
	(ii) outside the norms												
	(iii) Total no. of beneficiaries												
(b)	Hiring of Helicopter and Dozer for carrying immediate relief and saving lives.												
	(i)as per SDRF/NDRF												
	(ii) outside the norms												
	(iii) Total no. of beneficiaries												
3.	Relief Measures												
(a)	Provision for temporary accommodation ,food, clothing , medical care, etc. for people affected/ evacuated and sheltered n relief camps												
	(i) as per SDRF/NDRF norms												
	(ii) outside the norms												
	(iii) Total no. of beneficiaries												
(b)	Air dropping of essential supplies												
	(i) as per SDRF/NDRF norms	-											
	(ii) outside the norms	-											
	(iii) Total no. of beneficiaries	-											
(c)	Provision of emergency supply of drinking water in rural areas and urban areas												
	(i) as per SDRF/NDRF norms	-											
	(ii) outside the norms	-											

Code No	Items	Calamity											
		Avalanche/Snowfall	Cloud burst	Cyclone	Drought	Earthquake	Fire	Flood	Hailstorm	Landslide	Pest attack	Tsunami	Cloud wave/frost
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	(iii)No of beneficiaries												
4.	Clearance or affected areas												
(a)	Clearance of debris in public areas.												
	(i) as per SDRF/NDRF norms												
	(ii) Outside the norms												
	(iii) Total eligible area(Ha.)												
	(iv) No. of S&M farmers												
(b)	Draining off flood water in affected areas	-											
	(i) as per SDRF/NDRF norms	-											
	(ii) Outside the norms	-											
	(iii) Total eligible area(Ha.)	-											
	(iv) No. of S&M farmers	-											
(C)	Disposal of dead bodies /Carcases												
	(i) as per SDRF/NDRF norms	-											
	(ii) Outside the norms	-											
	(iii) Total eligible area(Ha.)	-											
	(iv) No. of S&M farmers	-											
5	Agriculture/Horticulture 40.00 Crore												
(i)	Assistance to small and marginal farmers.												
(A)	Assistance for land and other loss												
(a)	De-silting of agricultural land (where thickness of sand /silt deposit is more than 3" to be certified by the competent authority of the State Government)												
	(i) as per SDRF/NDRF norms	-											
	(ii) Outside the norms	-											
	(iii) Total eligible area(Ha.)	-											
	(iv) No. of S&M farmers	-											
(b)	Removal of debris on agricultural and in hilly areas												
	(i) as per SDRF/NDRF norms	-											
	(ii) Outside the norms	-											
	(iii) Total eligible area(Ha.)	-											
	(iv) No. of S&M farmers	-											

Code No	Items	Calamity											
		Avalanche/snowfall	Cloud burst	Cyclone	Drought	Earthquake	Fire	Flood	Hailstorm	Landslide	Pest attack	Tsunami	Cloud wave/frost
1	2	3	4	5	6	7	8	9	10	11	12	13	14
(C)	De-silting/Restoration/Repair of fish farms												
	(i) as per SDRF/NDRF norms	-											
	(ii) Outside the norms	-											
	(iii) Total eligible area(Ha.)	-											
	(iv) No. of S&M farmers	-											
(d)	Draining off flood water in affected areas												
	(i) as per SDRF/NDRF norms	-											
	(ii) Outside the norms	-											
	(iii) Total eligible area(Ha.)	-											
	(iv) No. of S&M farmers	-											
B	Input subsidy (where crop loss is 50% and above)												
(a)	For agriculture crop, horticulture crops and annual plantation crops												
	(i) as per SDRF/NDRF norms												
	(ii) Outside the norms												
	(iii) Total eligible area(Ha.)												
	(iv) No. of S&M farmers												
(b)	Perennial Crops												
	(i) as per SDRF/NDRF norms	-											
	(ii) Outside the norms	-											
	(iii) Total eligible area(Ha.)	-											
	(iv) No. of S&M farmers	-											
(c)	Sericulture												
	(i) as per SDRF/NDRF norms	-											
	(ii) Outside the norms	-											
	(iii) Total eligible area(Ha.)	-											
	(iv) No. of S&M farmers												
(ii)	Input subsidy to farmers other than small and marginal farmers												
	(i) as per SDRF/NDRF norms	-											
	(ii) Outside the norms	-											
	(iii) Total eligible area(Ha.)	-											
	(iv) No. of S&M farmers												

Code No	Items	Calamity											
		Avalanche /Snowfall	Cloud burst	Cyclone	Drought	Earthquake	Fire	Flood	Hailstorm	Landslide	Pest attack	Tsunami	Cloud wave/frost
1	2	3	4	5	6	7	8	9	10	11	12	13	14
6.	Animal husbandry-Assistance to small and marginal farmers												
(i)	Replacement of milchanimals drought animals or animals used for haulage.												
(ii)	(i) as per SDRF/NDRF norms												
	(ii) outside the norms												
	(iii)No. of beneficiaries												
(iii)	Provision of fodder/feed concentrate cattle camps												
(iv)	(i) as per SDRF/NDRF norms												
	(ii) outside the norms												
	(iii)No. of beneficiaries												
(v)	Water supply in cattle camps												
	(i) as per SDRF/NDRF norms												
	(ii) outside the norms												
	(iii)No. of beneficiaries												
	Additional cost of medicines and vaccine												
	(i) as per SDRF/NDRF norms												
	(ii) outside the norms												
	(iii)No. of beneficiaries												
	Transport of fodder to cattle outside cattle camps												
	(i) as per SDRF/NDRF norms												
	(ii) outside the norms												
	(iii)No. of beneficiaries												
(7)	Fishery												
(i)	Assistance to Fisherman for repair/ replacement of boats, nets-damaged or lost												
(ii)	(i) as per SDRF/NDRF norms												
	(ii) outside the norms												
	Input subsidy for fish seed farm												
	(i) as per SDRF/NDRF norms												
	(ii) outside the norms												
	(iii) Total eligible area (Ha.)												
	(iii) No. of fish farmers												

Code No	Items	Calamity											
		Avalanche /Snowfall	Cloud burst	Cyclone	Drought	Earthquake	Fire	Flood	Hailstorm	Landslide	Pest attack	Tsunami	Cloud wave/frost
1	2	3	4	5	6	7	8	9	10	11	12	13	14
6.	Animal husbandry-Assistance to small and marginal farmers												
(i)	Replacement of milchanimals drought animals or animals used for haulage.												
(ii)	(i) as per SDRF/NDRF norms												
	(ii) outside the norms												
	(iii)No. of beneficiaries												
(iii)	Provision of fodder/feed concentrate cattle camps												
	(i) as per SDRF/NDRF norms												
	(ii) outside the norms												
	(iii)No. of beneficiaries												
(iv)	Water supply in cattle camps												
	(i) as per SDRF/NDRF norms												
	(ii) outside the norms												
	(iii)No. of beneficiaries												
(v)	Additional cost of medicines and vaccine.												
	(i) as per SDRF/NDRF norms												
	(ii) outside the norms												
	(iii)No. of beneficiaries												
(vi)	Transport of fodder to cattle outside cattle camps												
	(i) as per SDRF/NDRF norms												
	(ii) outside the norms												
	(iii)No. of beneficiaries												
(7)	Fishery												
(i)	Assistance to Fisherman for repair/ replacement of boats, nets-damaged or lost												
(ii)	(i) as per SDRF/NDRF norms												
	(ii) outside the norms												
	Input subsidy for fish seed farm												
	(i) as per SDRF/NDRF norms												
	(ii) outside the norms												
	(iii) Total eligible area (Ha.)												
	(iv) No. of fish farmers												

Code No	Items	Calamity											
		Avalanche/Snowfall	Cloud burst	Cyclone	Drought	Earthquake	Fire	Flood	Hailstorm	Landslide	Pest attack	Tsunami	Cloud wave/frost
1	2	3	4	5	6	7	8	9	10	11	12	13	14
8.	Handicrafts/Handloom-Assistance to Artisans												
(i)	For replacement of damaged tools /equipment												
	(i) as per SDRF/NDRF norms												
	(ii) outside the norms												
	(iii)No. of equipments												
	(iv) No. of beneficiaries												
(ii)	For loss of raw material /goods in process/finished goods												
	(i) as per SDRF /NDRF norms												
	(ii) outside the norms												
	(iii)Qty. of materials (Qtls.)												
	(iv) no of beneficiaries												
9.	Housing 28.13 Crore												
(a)	Fully damaged/destroyed houses												
(i)	Pucca house												
	(i) as per SDRF/NDRF norms(Crore)												
	(ii) outside the norms												
	(iii)Number												
(ii)	Kuchha House												
	(i) as per SDRF/NDRF norms(Crore)												
	(ii) outside the norms												
	(iii)Number												
(b)	Severely damaged housed												
(i)	Pucca House												
	(i) as per SDRF/NDRF norms												
	(ii) outside the norms												
	(iii)Number												
(ii)	Kutch House												
	(i) as per SDRF/NDRF norms												
	(ii) outside the norms												
	(iii)Number												

Code No	Items	Calamity											
		Avalanche /Snowfall	Cloud burst	Cyclone	Drought	Earthquake	Fire	Flood	Hailstorm	Landslide	Pest attack	Tsunami	Cloud wave/frost
1	2	3	4	5	6	7	8	9	10	11	12	13	14
(c)	Partially damaged housed-both pucca/kuccha (other than huts)where the damage is at least 15 %												
	(i) as per SDRF/NDRF norms(Crore)												
	(ii) outside the norms												
	(iii)Number												
(d)	Damaged/destroyed huts:												
	(i) as per SDRF/NDRF norms												
	(ii) outside the norms												
	(iii)Number												
(e)	Cattle shed attached with house												
	(i) as per SDRF/NDRF norms												
	(ii) outside the norms												
	(iii)Number of cattles												
10.	Infrastructure												
	Repair /restoration (of immediate nature) of damaged infrastructure												
(1)	Road & bridges 98.00 Crore												
(a)	Roads & Bridges(Crores)												
	(i) as Per SDRF /NDRF norms												
	(ii) Outside the norms												
	(iii) Cumulative length of roads repaired												
(b)	Drinking water supply works and irrigation 50.63 Crore												
	(i) as per SDRF/NDRF norms												
	(ii) outside the norms												
	(iii)Total of schemes	3161											
(c)	Irrigation As per Col(B) above.												
	(i) as per SDRF/NDRF norms												
	(ii) outside the norms												
	(iii) Total no. of schemes	1040											
(d)	Power(only limited to immediate restoration of electricity supply in 8.00 Crore												
	(i) As per SDRF/NDRF norms												
	(ii) Outside the norms												

Code No	Items	Calamity											
		Avalanche /Snowfall	Cloud burst	Cyclone	Drought	Earthquake	Fire	Flood	Hailstorm	Landslide	Pest attack	Tsunami	Cloud wave/frost
1	2	3	4	5	6	7	8	9	10	11	12	13	14
(e)	School												
	(i) as per SDRF/NDRF norms												
	(ii) outside the norms												
	(iii) No of School Buildings repaired												
(f)	Primary Health Centers												
	(i) as per SDRF/NDRF norms												
	(ii) outside the norms												
	(iii)No. of Primary Health Centers Buildings repaired												
	(iv)Repair of Public Buildings												
(g)	Community assets owned by panchayat 24.00 Crore												
	(i) as per SDRF/NDRF norms												
	(ii) outside the norms												
	(iii)No of Community assets repaired												
11.	Procurement -												
	Cost of equipment's procured. -- 6.24 Crore												
	Gross Total:- Rs. 350.00 Crore												

*(The details of expenditure, component wise is not available. The funds have been released to various departments as per their requirement. The figures shall be consolidated after the expenditure figures are available)

Annexure-I

GENERAL ABSTRACT OF DISTRICT WISE LOSSES CAUSED BY RAINS FOR THE YEAR 2018 IN RESPECT OF HPPWD													
		Amount: Rs in crores											
Sr No	District	Total Length of roads affected. (In Km.)	Length of Pucca Roads affected (In Km.)			Length of Kacha Roads affected (In Km.)			Amount required for repair of damaged/ washed away Bridges (In Crores)	Amount required for (OR, PR & R/Wall & B/Wall) (In Crores)	Amount required for repair of Culverts (In Crores)	Total Amount required. (In Crores)	
			VR	MDR	SH	VR	MDR	SH					
1	2	3	4			5			6	7	8	9	
1	Solan	1705.00	982.08	245.52	00	477.40	0	0	3.10	46.67	2.46	52.23	
2	Una	912.58	525.64	131.41	00	255.52	0	0	0.98	44.26	2.33	47.56	
3	Kullu	576.09	331.83	82.96	00	161.31	0	0	0	68.03	3.58	71.61	
4	L&S	00	0	0	0	0	0	0	0	0	0	0	
5	Sirmour	1619.16	932.64	233.16	0	453.37	0	0	0	39.47	2.08	41.55	
6	Chamba	1617.88	931.90	232.97	0	453.01	0	0	1.80	114.69	6.04	122.53	
7	Mandi	2516.81	1449.68	362.42	0	704.71	0	0	3.07	140.55	7.40	151.02	
8	Kinnaur	276.48	159.25	39.81	0	77.41	0	0	5.45	7.42	0.30	13.26	
9	Bilaspur	1063.47	612.56	152.14	0	297.77	0	0	0.18	59.82	3.15	63.15	

10	Kangra	2896.44	1668.35	417.09	0	811.00	0	0	0	4.10	115.74	6.09	125.93
11	Shimla	3273.72	1885.66	471.41	0	916.64	0	0	0	1.60	126.50	6.66	134.76
12	Hamirpur	1314.57	757.19	189.30	0	368.08	0	0	0	1.20	39.06	2.06	42.31
	Total	17772.19	10236.78	2559.20	0	4976.21	0	0	0	21.48	802.22	42.22	865.92
	NH total length effected 840.808 Km												
	Grand Total												
										23.97	860.04	45.27	929.27

Annexure-II

DISTRICT-WISE DETAILS OF SCHEMES AFFECTED DUE TO HEAVY RAINS DURING CURRENT MONSOON -2018									
Sr. No.	Name of District	Affected Schemes	Total Amount required for restoration (Rs. In lakhs)	Affected Schemes	Total Amount required for restoration (Rs. In lakhs)	Affected Schemes	Total Amount required for restoration (Rs. In lakhs)	Total No. of Schemes.	Amount. (Rs. In lakhs)
Sr.No.	District	Urban Water Supply Schemes.		Rural Water Supply Schemes.		Irrigation Schemes.			
1	Chamba	0	0.00	338	1128.33	131	439.65	469	1567.98
2	Kangra	5	294.32	445	5405.58	280	3539.41	730	9239.31
3	Una	5	100.75	185	729.78	156	3366.88	346	4197.41
4	Bilaspur	4	95.40	232	804.00	40	270.85	276	1170.25
5	Hamirpur	3	142.00	144	1580.40	40	328.85	187	2051.25
6	Mandi	3	142.33	1072	3721.31	196	1331.53	1271	5195.17
7	Kullu	2	46.80	620	2168.74	131	1452.50	753	3668.04
8	Lahual&Spiti	0	0.00	28	138.10	99	971.80	127	1109.90
9	Kinnaur	0	0.00	52	310.45	204	1711.30	256	2021.75
10	Shimla	9	219.10	1013	4932.52	230	2223.95	1252	7375.57
11	Solan	4	204.00	273	1486.97	111	516.10	388	2207.07
12	Sirmour	5	100.15	414	1631.22	128	1468.65	547	3200.02
	Total:-	40	1344.85	4816	24037.4	1746	17621.47	6602	43003.72
								It says Rs.430.04Cr.	

Schedule of rates of IPH Department:

PREVAILING DEPARTMENTAL NORMS/ RATES.

	Dia	Unit	Rate	Class
Excavation, providing , laying , jointing & testing of GI pipes, dia.	15mm	Rmt	188.20	Light
-do-	20 mm	-do-	238.40	do
-do-	25mm	-do-	241.25	do
-do-	32mm	-do-	263.10	do
-do-	40mm	-do-	298.05	do
-do-	50mm	-do-	380.10	do
-do-	65mm	-do-	472.40	do
-do-	80mm	-do-	532.10	do
-do-	100 mm	-do-	712.10	do
-do-	125mm	-do-	1061.00	Medium
-do-	150mm	-do-	1220.40	-do-
Excavation, providing , laying , jointing & testing of MSERW pipes, dia.	15mm	Rmt	188.20	Light
-do-	150 mm	Rmt	2810.00	
-do-	200mm	-do-	3800.00	
-do-	300mm	-do-	7000.00	
<u>DI Pipes</u>				
-do-	150 mm	-do-	2200.00	
-do-	200mm	-do-	3600.00	
-do-	300mm	-do-	4570.00	
Removal of slip	Per Cum	100.00		
<u>Intake Works</u>	1No.	Per Sqmt.	8000.00	
U/G Storage Tanks	1	Ltr	6.75	
Head Weir	1	L.S	30,000.00	
Rewinding/Repair of Motors	HP	HP	600.00	

Annexure-III

DISTRICT WISE DETAIL OF DAMAGES OCCURRED TO ELECTRICAL INFRASTRUCTURE HT / LT DISTRIBUTION SYSTEM IN RESPECT OF HPSEB Ltd. DURING MONSOON-2018											
Name of District	11KV HT Line Damaged (In Km)	Rate 0.5 Lac / Km	Amount (Rs. In Lac)	LT Line Damaged (In Km)	Rate 0.5 Lac / Km	Amount (Rs. In Lac)	LT Poles Damaged (In Nos.)	Rate 0.04 Lac / Pole	Amount (Rs. In Lac)	ToTal Fund Required (Rs. In Lac) (4+7+10)	Name of Location where damages occurred
1	2	3	4	5	6	7	8	9	10	11	12
Shimla	26.320	0.5	13.16	361.530	0.5	180.765	1858	0.04	74.32	268.25	TaraDevi,Totu, Dhalli, (Chopal) marog, Matal, Doshali, Chambi, Pujarali, Kupvi, Bamta, Tharoch, Pawas, Shilli Kian, Churdhar, Sarhan, Kharapathar, Baghi, Mandhol and Paronathi,Dodra Kavar, Rohal, Chirgaon Charabra,Mundaghat, Kufari, Katnol, , etc.
Kinnaur	16.825	0.5	8.4125	124.395	0.5	62.1975	343	0.04	13.72	84.33	Neshang Jhulla, Karcham, R-Peo, Moorang and Thorpa Katgaon, Surehu, Shiaso, Dafang, Chelit, Kanda, Rachla, Rushkalang, Chitkul, Rakchham, Sangla, Brua, Chansu, Khab, Spillo, Punag, Lingnev, Jani, Ramni, Nathpa, .
Solan	41.650	0.5	20.825	253.390	0.5	126.695	2399	0.04	95.96	243.48	Chail, Dharampur, Joghon, Dumehar, Dhundhan, mangal, Bari Dhar, Kuthar, Arki, Subathu, Basal, Nagali, Dharo Ki Dhar, Solan Town, Kasauli, Oachghat, etc.
Sirmour	50.150	0.5	25.075	297.690	0.5	148.845	794	0.04	31.76	205.68	Shambhu Kalan, Shilai,Rajgarh Kunda, Sambalgam, Mattar, Churan, Vikram Bag, Gumati, Tippar Saroga, Surya Mahha, Boligaon, Panjar, Lal Koti, Katal, Rainilgiri, Mohli, etc.
Mandi	54.780	0.5	27.390	255.100	0.5	127.550	1159	0.04	46.36	201.30	Nihri, Seri, Jaidevi, Bandli, Salana, Rivalsar, Gohar, Panarsa, Nau, Zhiri, Churag, Chatri, Kharbada etc.
Kullu	44.510	0.5	22.255	301.210	0.5	150.605	1211	0.04	48.44	221.30	Jabli, Gummer, Kullah, Manikaran, Banjar, Manali, Utpur, Panjagain, Vinola, etc.
Lahaul Spiti	19.470	0.5	9.735	98.250	0.5	49.125	432	0.04	17.28	76.14	Sishu, Koksher, Karga, Guffa Hotel, Kutvihal and Pindi
Bilaspur	43.130	0.5	21.565	211.770	0.5	105.885	1405	0.04	56.20	183.65	Police line Bilaspur, Ganj Ghar Bilaspur, Kot, Nainadevi and Barmana etc.

Hamirpur	31.120	0.5	15.56	246.520	0.5	123.26	865	0.04	34.60	173.42	Sujanpur, Rangas, Dhaneta, Galore, Nadaun, Bijjar and Chakmoh
Una	30.100	0.5	15.05	116.800	0.5	58.4	519	0.04	20.76	94.21	Dhamandari, Banehara, Bhanjal, Khetra Nubaripur, Mather, Diara Baruhi, Koharchhan, Basantpur, Jowar Nehrian, Duki & Jowar, Jagatkhana, Santokh Garh, Tahliwal, Palakwa, Kailu, Chintpurni, Amb, khad, Mubarakpur, Athwan, Mairi, Jwar, Kuthara-Karla, Kharia, Baruha, Panjaber, Pandoga, Lavana Majra, Dagoh, Haroli, Ambota, Jhalera, Ramgarh Dhar, Dok, Raunkar & Kharol.
Kangra	67.410	0.5	33.705	412.320	0.5	206.16	2301	0.04	92.04	331.91	Dharamshala, N/Baghwan, Daulatpur, Jalehar, Jalari, Amlehar, Bankhandi Badhal, Mastyal Didiyan, Nag Mandir, Dhaunta, Parwala, Kharian, Kanpur, Banoori, Bundla, Maniara, Bindrabab, Rajpur, Gopalpur, Gugga Saloh, Maranda, Chougan, Gankhetar, Patti, Kudela, Umri, Sapruhal, Bheri, Alampur, Jather, Bhati, Salangri etc.
Chamba	15.430	0.5	7.715	128.970	0.5	64.485	669	0.04	26.76	98.96	Tissa, Bharmour, Holli, Salooni, Khajiar, Dalhousie, Chowari, Bakloh and Sihunta.
TOTAL			220.45			1403.97			558.2	2182.62	
						Loss sustained by E.S. Wing:-					178.00
						Loss sustained by Generation Wing:-					87.37
						Loss sustained by BVPCl					2.00
						GRAND TOTAL:-					2449.99
											Chief Engineer (P&M), HPSEBL, Shimla-171004
							Say Rs. 24.50 Crore only				

**Photographs of Damages & Newspaper
Cutting of major incidents of losses
Due to cloudbursts and landslides
Occurred in Monsoon season, 2018**

Cloudburst in Kullu valley, villagers move to safer places

OUR CORRESPONDENT

KULLU, AUGUST 9

One house and one cowshed was washed away due to cloudburst in Gahidhar and Daadi villages in Tirthan valley at Banjar subdivision of the district on the intervening night of August 8 and 9. There were reports of damage caused to three other houses. A camping site and a guest house were also covered with water. Two bulls and about six sheep were also reportedly washed away in the gushing waters.

Villagers said that there was chaos after the water level in various rivulets rose suddenly during night. The villagers rushed to secure places to save their lives. Banjar SDM MR Bhardwaj said that no



Houses damaged due to cloudburst at Tirthan valley in Kullu.

loss of life was reported due to the flooding of rivulets. He said that Banjar-Batahar road had been blocked and machines had been deployed to clear the debris. The administration was assessing

the amount of loss and affected families would be provided with adequate relief.

Banjar MLA Surender Shourie also visited the affected villages and took stock of the situation.

The Tribune Fri, 10 August 2018
epaper.tribuneindia.com/c/31097145



खड़ू बना शाईरोपा; बिजली न पानी, सड़क का नामोनिशान मिटा

बंजार के तीन स्थानों पर बाढ़ फटने की घटना के बाद दशत में लोग, रात को ही साथ लगते गांव में राशन लेने पहुंचे शाईरोपा गांव के ग्रामीण



लारजी-सैज सड़क आठ घंटे बंद, सैकड़ों वाहन फंसे

मुन्नीकोटमा सैज घाटी में बाढ़ के बाद राशन लेने पहुंचे शाईरोपा गांव के ग्रामीण

सैज घाटी में 24 घंटे से बिजली नूत, घंटे वाहन लिए बंदन मन्नीकोटमा

लारजी-सैज सड़क का विप्लव था। लारजी घाटी की सड़क से 14 किलोमीटर दूरी पर शाईरोपा गांव में लोगों का जीवन बर्बाद हो रहा है। बाढ़ के बाद राशन लेने पहुंचे शाईरोपा गांव के ग्रामीण। सैज घाटी में 24 घंटे से बिजली नूत, घंटे वाहन लिए बंदन मन्नीकोटमा।

मुन्नीकोटमा सैज घाटी में बाढ़ के बाद राशन लेने पहुंचे शाईरोपा गांव के ग्रामीण। सैज घाटी में 24 घंटे से बिजली नूत, घंटे वाहन लिए बंदन मन्नीकोटमा।

कुल्लू में तीन जगह फटे बादल; दो घर, गोशाला और कैंपिंग साइट बही

बंजार के साईरोपा और दाड़ी में देर रात मची अफरातफरी, 30 मीटर तक बह गया वृद्ध अमर उजाला ब्यूरो

बंजार (कुल्लू)/शिमला। जिला कुल्लू के बंजार उपमंडल में बुधवार रात 1.30 बजे तीन जगह बादल फटने से भारी तबाही हुई है। साईरोपा में दो जगह बादल फटने से आई बाढ़ में कैंपिंग साइट, 11 टेंट और दो घर बह गए। क्षेत्र के दाड़ी में मवेशियों समेत एक गोशाला बह गई। तीन घरों को भी नुकसान पहुंचा है।

पानी के तेज बहाव में बुजुर्ग मंगतराम करीब तीस मीटर तक बह गए, जिन्हें ग्रामीणों ने कड़ी मशक्कत से बचा लिया। परिवार के अन्य सदस्यों ने किसी तरह भागकर जान बचाई। होटलों और घरों में पानी, मलबा घुसने से लाखों का नुकसान हुआ है। कई जगह सड़कें बह गई हैं।

उधर, बारिश से हमीरपुर में एक स्लेटपोश मकान गिर गया है। कांगड़ा के लंज में दो पुलियां बह गई हैं। नदियों में सिल्ट बढ़ने से एक हजार मेगावाट तक बिजली उत्पादन गिर गया।



कुल्लू के बंजार में बादल फटने के बाद तबाही का मंजर। अमर उजाला

4 दिन के भीतर नौ जगह फटे बादल

हिमाचल में पिछले चार दिनों के दौरान नौ जगह बादल फटने से भारी नुकसान हुआ है। लोग खौफजदा हैं। छह अगस्त को चंबा और लाहौल में दो जगह, सात अगस्त को लाहौल में दो जगह और किन्नौर में एक जगह, आठ अगस्त को लाहौल में फिर बादल फटा। आठ अगस्त की रात को अब कुल्लू के बंजार में तीन बादल फटे हैं।

हिमाचल में दो एनएच पठानकोट-भरमौर, पठानकोट-

12 और 13 अगस्त को भारी बारिश

प्रदेश में 12 और 13 अगस्त को भारी बारिश होने की चेतावनी जारी हुई है। मौसम विज्ञान केंद्र शिमला ने 15 अगस्त तक पूरे प्रदेश में बारिश का दौर जारी रहने का पूर्वानुमान है। वीरवार को राजधानी शिमला समेत कई क्षेत्रों में झमाझम बारिश हुई। शुक्रवार को भी कई क्षेत्रों में बारिश की संभावना जताई गई है।

मंडी समेत करीब 270 सड़कें बाधित हैं।



बादल फटने की घटना के बाद शाईरीप में तबाही का मंजर। गांव नाले में तबाहील हो गया है। -अमर उज्जल

आसमान से आफत

दाड़ी गांव में सन सिंह की एक गोशाला, दो घर, एक बछड़ा 2 भेड़ें व अन्य सामान बह गया है। वहीं, मकान की भी नुकसान पहुंचा है। लोक निर्माण विभाग के अधीनस्थ अभियंता चमन सिंह ठाकुर ने बताया कि बुधवार रात्रि बारिश से उपमंडल की सड़कों का लगभग 25 लाख रुपये का नुकसान हुआ है। कुल्लू जिले में लॉर्न घाटी की कंडोभार पंचायत के साईरीप और दाड़ी गांव में रात करीब डेढ़ बजे आसमान से बरसी आफत में बृद्ध मंगलम समेत उनके दो घर बह गए। ग्रामीणों ने नाले में बहते बृद्ध को तीस मीटर दूर जाकर पकड़ा। परिवार के अन्य सदस्यों ने किसी तरह भागकर जान बचाई। साईरीप में जविया देवी की कई चौपाया जमीन, डूबे राम, मोलै राम की जमीन और कैरिंग स्ट्रीट में लगे 11 टेंट मलबे में तबदील हो गए। साईरीप की दूसरी ओर होटल और घरों में भी मलबा पुरस गया। कई जगहों पर सड़कों का नाशोन्नयन मिट गया है। पुलिस, प्रशासन और बंजर के विधायक सुंदर शर्मा ने घटनास्थल का जायजा लिया। म्यूरो



बादल फटने के बाद आए मलबे में सड़क का नाशोन्नयन मिट गया। -अमर उज्जल

कटागला में फंसे लोगों को निकाला रविवार की रात को कटागला में फटा था बादल

■ कार्यालय संवाददाता, कुल्लू

रविवार देर रात कुल्लू जिला के कटागला और बजीरा क्षेत्र में बादल फटने की घटना से किसी प्रकार का जानी नुकसान नहीं हुआ है, लेकिन निजी और सार्वजनिक संपत्ति को काफी क्षति पहुंची है। उपायुक्त युनुस ने बताया कि मणिकर्ण घाटी के कटागला गांव में फंसे लोगों को बचाव दल ने सुरक्षित निकाल लिया है उपायुक्त ने बताया कि बजीरा नाले में बाढ़ आने से सड़क, एक पैदल पुल, गौसदन और स्थानीय किसानों की फसल का नुकसान हुआ है।

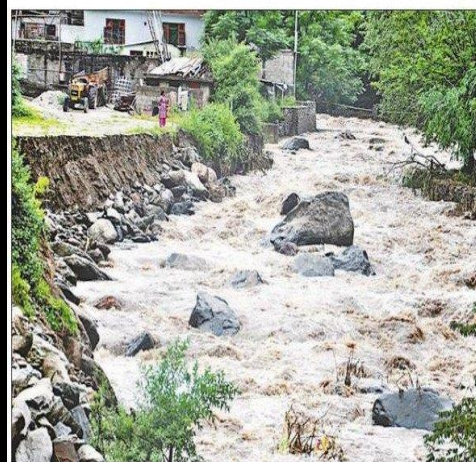
कुछ घायल जानवरों को भी प्राथमिक उपचार के बाद कुल्लू के गौसदन में भेजा गया है। उपायुक्त ने जिला वासियों से अपील की है कि वे खराब मौसम में नदी-नालों और

भूस्खलन संभावित क्षेत्रों से दूर रहें। भारी बारिश से हुए नुकसान का आकलन किया जा रहा है। प्राधिकरण के टॉल फ्री नंबर 1077 पर देने का आग्रह भी किया।

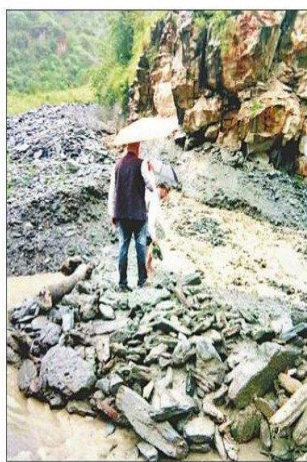
31-31366 ■ बंजार 94186-61184, जरी 98163-78493, पन्नासा 98166-45445 ■ विज्ञापन 94180-65256, प्रसार 93180-49204

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मौल खडु में आई बाढ़ से बढ़ा जनस्तर। -अमर उज्जल



पागलनाला में सैन-लाटनी सड़क पर आया मलबा। -अमर उज्जल



भुंजर में सड़क से मलबे को हटाती लॉनिवि की मशीनरी। -अमर उज्जल

रामशिला में डेढ़ घंटे तक लगा जाम

भूस्खलन से चंडीगढ़-मनाली एनएच पर गिरा भारी मलबा, जाम में फंसे रहे कई वाहन

अमर उजाला ब्यूरो

कुल्लू/पतलीकूहल। चंडीगढ़-मनाली नेशनल हाईवे यातायात के लिए सुगम नहीं रह गया है। जिला मुख्यालय के समीप रामशिला में शुक्रवार को एनएच से सटी पहाड़ी से अचानक भूस्खलन हो गया। इससे सड़क पर अधिक मात्रा में पत्थर और मिट्टी आ गई, जिससे करीब डेढ़ घंटे तक जाम लग गया।

डेढ़ घंटे बाद ही इस मार्ग को सुचारु किया जा सका। इस बीच सड़क के दोनों ओर वाहनों की लंबी लाइनें लग गईं। यातायात सुचारु होने में देर होती देख ट्रैफिक पुलिस ने यातायात को वाम तट मार्ग की ओर से वाया नगमर डाइवर्ट कर दिया। जानकारों का मानना है कि बरसात की वजह से सड़कों पर भूस्खलन हो रहा है। लेकिन जिस तरह से जल्दबाजी में नेशनल हाईवे को विस्तारित करने को खुदाई हुई है, वह भी भूस्खलन का एक बड़ा कारण माना जा रहा है। पहाड़ी की ओर नेशनल हाईवे की खुदाई के



अनुपात में काफी छोटे-छोटे डंगे लगाए गए हैं। कई डंगों के ऊपर से मलबा नीचे गिरता रहता है। रामशिला, रायसन कैच फैक्टरी के सामने, डोहलुनाला, बड़ागां पुल के समीप, बिंदू ढांक, 15 मील, 16 मील, कलाथ और बाहणू पुल के पास तो इतने ब्लैक स्पाॅट बन गए हैं कि थोड़ी सी बारिश होने पर भी इन स्थानों पर पहाड़ी से पत्थर गिरना निश्चित रहता है। एसपी कुल्लू शालिनी अग्निहोत्री ने बताया कि यातायात सुचारु रखने को पुलिस को सख्त आदेश दिए गए हैं। वन मंत्री गोविंद ठाकुर ने बताया कि प्रशासन को सब सीजन में सड़कों में आवाजाही सुचारु बनाए रखने को कहा गया है।



सैज के मिडल स्कूल करताह में ढही स्कूल की दीवार। - अमर उजाला

भूस्खलन से सैज-न्यूली सड़क बंद

न्यूली (कुल्लू)। जिला कुल्लू की सैज घाटी के अति दुर्गम इलाकों को जोड़ने वाली सैज-न्यूली सड़क भूस्खलन से बंद है। दरमैड़ा जगह पर सड़क बंद होने से निगम की बस सेवा के प्रभावित होने से लगभग पांच पांचायतों के लोगों को पैदल ही सफर करना पड़ रहा है। सब सीजन के दौरान बागवानों को सबसे अधिक परेशानी हो रही है। बोदली नाले का पानी सड़क पर पहुंचने से मार्ग किनारे बने बोदली माता के मंदिर को भी खतरा हो गया है। भूस्खलन से मिडल स्कूल करताह का खेल मैदान गिर गया। ग्रामीण हिरा लाल, रमेश कुमार, लाल चंद, खूब राम, उत्तम राम, प्रदीप कुमार, गिरधारी लाल, मोती राम, मान चंद तथा प्रेम सिंह का कहना है कि भारी बारिश के कारण सैज घाटी के दुर्गम क्षेत्रों में कई जगहों पर भूस्खलन हुआ है। आम लोगों, बागवानों व स्कूली बच्चों को परेशानी का सामना करना पड़ रहा है। एसडीएम बंजार मनी राम भारद्वाज ने कहा है कि प्रशासन की तरफ से पूरा सहयोग किया जा रहा है। आम लोगों को कोई दिक्कत न हो इसके लिए संबंधित विभागों को आदेश दिए गए हैं।

धुंधी में बादल फटने से ब्यास में बाढ़

स्पीति के छोटाड़ा में फंसा ट्रक; स्पीति मार्ग अवरुद्ध, तेज बहाव से सहमे नदी किनार बसे लोग

राजेश ठग, मनाली



धुंधी जौत में शुक्रवार रात को बादल फट गया। हालांकि इससे कोई बड़ा नुकसान नहीं हुआ, लेकिन ब्यास का जलस्तर बढ़ने से लीग रातभर सहमें रहे। पानी बढ़ने से बीआरओ के पेयजल भंडार में पानी घुस गया। फलचान गांव के पास पानी पुल तक पहुंच गया। पानी बढ़ता देख बाहंग गांव में अफरा-तफरी मच गई। नदी किनारे रह रहे कई लोगों ने रात को पड़ोसियों के घरों में शरण ली। ग्रामीण हिरा लाल और सुरेंद्र ने बताया कि आधी रात लगभग दो बजे ब्यास नदी में बाढ़ आ गई। उन्होंने बताया कि पानी की आवाज सुनकर लोग आधी रात को घरों से बाहर निकल आए। बाहंग के ग्रामीण संदीप ने बताया कि बाहंग में आधी रात को अफरा-तफरी मच गई। उन्होंने बताया कि जान-माल का कोई नुकसान नहीं हुआ, लेकिन नदी किनारे रह रहे लोग पड़ोसियों के घरों में शरण लेने को मजबूर हो गए। मनाली के मनालसु नाले का पानी मटपेला हो जाने से पानी की आपूर्ति भी प्रभावित हुई है। मनाली प्रीणी सब-स्टेशन के ट्रांसफार्मर जल जाने से पिछले चार दिनों से मनाली में बिजली सेवा प्रभावित चल रही है। विभाग ने हालांकि



धुंधी में तबाही का मंजर

शनिवार को बिजली सुचारु होने का दावा किया है, लेकिन आपूर्ति अभी प्रभावित है। बताया जा रहा है कि रात को ब्यास किनारे रहने वाले लोगों को भी अलर्ट किया गया। एसडीएम मनाली रमन चरसंगी ने बताया कि ब्यास में बाढ़ आई है, लेकिन कोई जानमाल का नुकसान नहीं हुआ है। वहीं, छोटाड़ा नाले में ट्रक फंसे से मनाली काजामार्ग पर वाहनों की आवाजाही प्रभावित हुई है। बीआरओ के कर्मांडर कर्नल एके अवस्थी ने बताया कि जानकारी मिलते ही बीआरओ की टीम मार्ग को बहाल करने मौके पर पहुंची थी।



आनी के वजूद प

दलदल बनी मिट्टी, भू-स्खलन कभी भी

छविंद ठग, आनी

लगभग दस हजार की आबादी वाले उपमंडल मुख्यालय आनी के वजूद पर खतरे के बादल मंडराने लगे हैं। यहां के कोटनाला व माशानू नाला में भारी भू-स्खलन से अति संवेदनशील हो चुकी दलदल युक्त भूमि कभी भी टूटकर अपने रौंद तांडव से आनी कस्बे के वजूद पर कहर डा सकती है। कस्बे के बुजुर्ग बताते हैं कि वर्ष 1977 में यहां आई भयंकर बाढ़ ने आनी में भारी तबाही मचाई थी और कस्बे का अस्तित्व भी मिट गया था। उस समय के बुजुर्ग उस खौफनाक मंजर को आज भी नहीं भूले हैं, जबकि वर्तमान पीढ़ी उस खतरे से पूरी तौर पर अनभिज्ञ है। हालांकि कुल बावजूद इसके लोग कस्बे में नदी-

नालों से सटकर अपने रिहायश मकान बनाने में जुटे हैं। पांचपायती के अधिकार क्षेत्र से घी आनी कस्बा, एक मुख्य खजलोड़ी सहित तीन अन्य नाले देहरी खड्ड, भैरड नाला तथा खोब नाला की गोद में स्थित है। ये खड्ड व नाले भारी बारिश के कारण कभी भी रौंद रूप धारण कर आनी कस्बे पर कहर डा सकते हैं। कस्बे के बुजुर्ग बताते हैं कि वर्ष 1977 में यहां आई भयंकर बाढ़ ने आनी में भारी तबाही मचाई थी और कस्बे का अस्तित्व भी मिट गया था। उस समय के बुजुर्ग उस खौफनाक मंजर को आज भी नहीं भूले हैं, जबकि वर्तमान पीढ़ी उस खतरे से पूरी तौर पर अनभिज्ञ है। हालांकि कुल बावजूद इसके लोग कस्बे में नदी-



बादल फटने के बाद रशोल, छलाल में लोगों ने जागकर काटी रात

ब्यास नदी का जलस्तर बढ़ने से बाहंग में होटल की सुरक्षा दीवार ढही; आधी रात को मची अफरातफरी, मनाली-रोहतांग मार्ग पर भूमि कटाव से सड़क धंसने से परेशानी

अमर उजाला ब्यूरो

कुल्लू/मनाली। जिला कुल्लू में शुक्रवार रात को हुई मूसलाधार बारिश से लोगों में अफरातफरी मच गई। पार्वती घाटी से लेकर ऊड़ी घाटी तक भारी बारिश होने से ब्यास समेत इसकी सहायक नदी व नाले उफान पर हैं। पार्वती घाटी के रशोल व छलाल क्षेत्र में बादल फटने से लोगों में आधी को अफरातफरी का माहौल रहा। बाढ़ से डरे व सहमे ग्रामीण रात भर जागते ही रहे।

ऊड़ी घाटी में भी भारी व मूसलाधार बारिश होने से मनालसू नाला, पागलनाला और धुंधी नालों का जलस्तर उफान पर है। इससे ब्यास नदी का जलस्तर बढ़ गया है। बाहंग स्थित एक होटल की सुरक्षा दीवार ब्यास नदी की चपेट में आने से ढह गई।

बाढ़ में होटल का किचन सहित होटल का कुछ भाग भी ब्यास में बह गया। इसके अलावा हेलीपैड की सुविधा के लिए हाल ही में वरिष्ठ विहाल में बनाए गए हेलीपैड पर भी ब्यास नदी का पानी घुस गया और पूरा हेलीपैड कीचड़ व पत्थरों से भर गया। उड़ी क्षेत्र के लिए बिछाई गई 11 केवी विद्युत लाइन के कुछ पोल भी इसकी चपेट में आ गए। ब्यास का जलस्तर बढ़ने से मनाली-रोहतांग मार्ग पर भूमि कटाव के चलते सड़क धंस गई है। नदी का



भारी बारिश से कुल्लू में ब्यास नदी का जलस्तर बढ़ गया। - अमर उजाला



पार्वती घाटी में बाढ़ का मलबा घर तक पहुंचने से लोगों में दहशत। - अमर उजाला

जिले में मूसलाधार बारिश से नुकसान, वरिष्ठ के हेलीपैड में सूरा पानी और कीचड़

बहाव नेहरू कुंड स्थित पुल के एक कोने पर आने से पुल को भी नुकसान होने की आशंका है। बाहंग निवासी रमेश कुमार के अनुसार शुक्रवार रात दो बजे ब्यास नदी का जलस्तर बढ़ने की आवाज

सुनकर सहम गए और बाहर निकल गए। बुरुआ पंचायत प्रधान किशन ठाकुर तथा शनांग पंचायत प्रधान प्रताप ठाकुर ने नेहरूकुंड पुल की सुरक्षा के लिए समय रहते उचित कदम उठाने की मांग की है। तहसीलदार शमशेर सिंह व नायब तहसीलदार मोहन लाल ने बताया कि ब्यास, नदी-नालों का जलस्तर बढ़ने से स्थानीय लोगों को सावधान रहने की हिदायत दी है। कई जगहों

पर ब्यास नदी से नुकसान पहुंचाया है। बारिश से जिला कुल्लू में करीब डेढ़ दर्जन सड़कों पर निगम की बस सेवा प्रभावित हो गई है। मलबा गिरने तथा भूस्खलन होने से सड़कों पर आवाजाही बंद है। ब्यास का जलस्तर बढ़ने से लारजी और पंडोह डैम के गेट खोल दिए हैं। डीसी युनुस ने कहा कि लोग नदी-नालों संवेदनशील इलाकों की ओर न जाएं।

बादल फटने से इनको हुआ नुकसान

जरी/मनाली (कुल्लू)। बादल फटने से पार्वती घाटी के रशोल में भादर सिंह का दो कमरों का एक मकान और शिवदत्ता, काउडी देवी, देवी राम, ओम शंकर, मनी राम, तुलसी राम और रम सिंह के घर ढह गए हैं। छलाल गांव के मान चंद का तीन कमरों का एक मंजिला मकान, एक घर, जमीन, ललित का एक घर, राजकृष्ण की जमीन, दिल राम, तेज राम, नीला राम, बिंदू राम, धनी राम, नरेश कुमार तथा मनोहर लाल का एक-एक घर और जमीन बह गई है। शिकायत दे रहे हैं, लेकिन अफसर हैं कि मौके पर जाकर कच्चा धारियों से सेंटिंग कर लौट आते हैं।

ADMISSION 2018-19

BDS

9915898877

जायजा लेने कटागला-छलाल पहुंचे डीसी जिला रेडक्रॉस सोसायटी की ओर से दिए 10-10 हजार के चेक



मंडल सिंह पुजारी, कुल्लू

बीते दिनों बादल फटने की घटनाओं के कारण मणिगढ़ी घाटी के गांव कटागला और छलाल में हुए भारी नुकसान का जायजा लेने तथा प्रभावितों को राहत प्रदान करने के लिए उपयुक्त नुस्खा ने रविवार को विभिन्न विभागों के अधिकारियों के साथ टीनी गांवों का दौरा किया। अधिकारियों के साथ पैदल चलकर कटागला गांव पहुंचे और प्रभावितों को दर्द जताया। उपयुक्त ने कहा कि सभी प्रभावित परिवारों को राहत पैनुअल के अनुसार पथीय मुआवजा दिया जाएगा। घरायों के नुकसान पर भी दस हजार रुपये तक मुआवजा दिया जाएगा। इसके अलावा जिला रेडक्रॉस सोसायटी की ओर से भी प्रभावितों को दस-दस हजार रुपये दिए जा रहे हैं। उपयुक्त ने कटागला,

छलाल और रशोल के 54 प्रभावित लोगों को भीके पर डी जिला रेडक्रॉस सोसायटी की ओर से दस-दस हजार रुपये के चेक प्रदान किए। उपयुक्त ने बताया कि भवनों के पुनर्निर्माण के लिए जन विभाग प्रभावितों को प्राथमिकता के आधार पर डीडी का प्रावधान करेगा। कटागला में रविवार तक बिजली की आपूर्ति बहाल कर दी जाएगी, जबकि पैगजल आपूर्ति बहाल करने के लिए भी त्वरित कदम उठाए जा रहे हैं। उन्होंने आईपीएच विभाग के अधिकारियों को क्षतिग्रस्त पेयजल योजना की पर्यवेक्षण व पुनर्निर्माण का एसटीमेंट तैयार करने के निर्देश दिए। उपयुक्त ने बताया कि कटागला गांव से मलबा हटाने और नाले के पास बैलठाघर लगाने के लिए स्थानीय ग्राम पंचायत और विकास खंड कार्यालय के सहयोग से धनराशि का प्रत्यक्षान किया जाएगा। नाले की वैक्यूमसफ़ाई के लिए भी एक विद्युत योजना बनाई जाएगी। उपयुक्त ने कहा कि कटागला और छलाल को सड़क से जोड़ने के लिए गांवों की नदी पर बाधन योग्य बैली पुल का निर्माण किया जाएगा। उन्होंने लोक निर्माण विभाग के

अधिकारियों को बहाल योग्य बैली पुल का एसटीमेंट तैयार करने के निर्देश दिए। बता दें कि लोगों जगह कलाल फटने भारी नुकसान हो गया है। मकान के साथ-साथ, जमीन, चराट, पुल आदि बह गए हैं। कटागला के बाढ़ उपयुक्त अन्य अधिकारियों के साथ पैदल चलकर छलाल पहुंचे। उन्होंने छलाल और रशोल के विभिन्न रास्तों पर चार पुलिसों के पुनर्निर्माण और मुख्य रास्तों की मरम्मत के लिए धनराशि देने की घोषणा की। इस अवसर पर एसटीएम डा. अमित गुलेरिया, डीएफओ कुपारगढ़, लोक निर्माण विभाग के अधिकारी अभिराजी चौधरी, सीडी डी, रणवीर सिंह, आईपीएच विभाग के सहायक अभियंता अवस्थी अन्य विभागों के अधिकारी, जिला रेडक्रॉस सोसायटी के सचिव लीक मोदगिल और स्थानीय पंचायत उपप्रधान देहल सिंह भी उपस्थित रहे।



जैमन पुल के पास बराम

कुल्लू — जिला मुख्यालय से कुछ दूरी पर ने अवैध शराब बरामद की है। एसपी कुल्लू कि पुलिस की एक टीम जैमन पुल के जाम शीतल पुलिस ने एक वाहन को रोका और ड की। एसपी ने बताया कि पुलिस ने एक्सका कर लिया है।

AGE GROUPS
JUNIORS : 6 to 16 yrs
SENIORS : 17 to 35 yrs

CATEGORIES
SOLO & GROUP DANCE
All Dance Styles

पूरे हिमाचल ऑडिश

बिलाकठार में भारी बारिश से ढहा सड़क का डंगा

■ स्टाफ रिपोर्टर, अनी

खंड की ग्राम पंचायत कुंगश के अंतर्गत चौराधार से पनेओ सड़क में बिलाकठार (डगान) के पास भारी बारिश से सड़क का डंगा ढहा गया है, जिससे वहां स्थित रिहायशी मकान को भारी खतरा पैदा हो गया है। बिलाकठार (डगान) निवासी दिनेश मेहता का कहना है कि चौराधार से पनेओ सड़क में बिलाकठार (डगान) में लगा लोक निर्माण विभाग का डंगा ढहा गया है, जिससे उनके रिहायशी मकान को क्षति पहुंची है और डंगे के मलबे में उनकी टाइल की लगभग

50 पेटी भी मलबे में दबकर नष्ट हो गई। वहीं, डंगा ढहने से आईपीएच विभाग की पेयजल लाइन भी टूट गई है। दिनेश मेहता का कहना है कि चौराधार से पनेओ सड़क मार्ग में कोई ड्रेन न होने से बारिश का सारा पानी उनके मकान की तरफ आ रहा है, जिसके चलते सड़क का डंगा ढहा गया है और उनके मकान को खतरा पैदा हो गया है। उन्होंने इस संदर्भ में एसडीएम अनी को शिकायत पत्र सौंपकर गिरे डंगे को जल्द लगवाने तथा रिहायशी मकान को बने खतरे से बचाव को जल्द कोई उचित कदम उठाए जाएं।

दिव्य हिमाचल

Tue, 21 August 2018
epaper.divyahimachal.com/



भारी धुंध के बीच रात को भी रोहतांग से दौड़ाए जा रहे वाहन

खराब मौसम को देखते दोपहर दो बजे के बाद नहीं भेजे जाते वाहन, नियमों को ठेंगा

मनु शर्मा

मनाली (कुल्लू)। मनाली-रोहतांग दर्रा के बीच आने वाले राहनीनाला में इस वर्ष अभी तक 16 लोग अपनी जान गंवा चुके हैं। बरसात में खराब मौसम और भारी धुंध के बावजूद रोहतांग दर्रा होकर दिन-रात गाड़ियां सरपट दौड़ रही हैं। अभी हादसों के चलते रोहतांग के लिए दोपहर दो बजे के बाद पर्यटक वाहन नहीं भेजे जाते हैं, लेकिन स्थानीय लोगों को प्रशासन की ओर से दी जा रही छूट भारी पड़ रही है। अब तो रात के बचत भी वाहन दौड़ाए जा रहे हैं। बुधवार रात को राहनीनाला में हुआ दर्दनाक सड़क हादसा भी इसी का नतीजा माना जा रहा है।

इन दिनों सेना और निगम की बसें दोपहर दो बजे से पहले रोहतांग से आरंभ हो जाती हैं। लेकिन अब इन आदेशों को ठेग दिखाया जाने लगा और रोहतांग दर्रा पर दोपहर बाद शाम व आधी रात को मनाली और लाहौल के बीच वाहन दौड़ रहे हैं। जनजातीय जिला लाहौल-स्पीति, चंबा के पंगी व किलाडू और लेह-लद्दाख के लिए रोहतांग एक सेतु का काम करता है। यदि इन आदेशों का पालन किया जाता



राहनीनाला हादसा

मनाली-लेह मार्ग पर खाई में गिरने से 11 लोगों की मौत हो गई। रातों को खाई से निष्काशने के लिए मौके पर पहुंची पुलिस।

इस वर्ष राहनीनाला में हो चुकी है 16 लोगों की मौत हादसों का दौर जारी

तो इस दुर्घटना को रोका जा सकता था। कुल्लू से मनाली गई स्कोरियां बुधवार आधी रात 12 बजकर 22 मिनट पर गुलाबा बैरियर से रोहतांग के लिए रवाना हुई। धुंध के चलते रात छह जून को मध्य प्रदेश का सेलानी इसी ब्लैक स्पॉट पर हादसे का शिकार हो गया था। जबकि 7

जून को मोरडा के सेलानियों की कार राहनीनाला में गहरी खाई में जाकर गिरी थी। जिसमें पांच सेलानियों में से दो की मौत हो गई थी।

30 जुलाई को दो बोध भिबु लेह से मनाली आ रहे थे उन्होंने भी रात में गहरी धुंध में रोहतांग को पार किया था लेकिन राहनीनाला में ही उनका वाहन गहरी खाई में जा गया था और मौके पर ही दोनों की मौत हो गई। लेकिन प्रशासन व शासन सचिव यात्री इन हादसों से सबक नहीं ले रहे हैं।

स्कार्पियो 200 फीट गहरी खाई में गिरी, तीन बच्चों समेत 11 की मौत

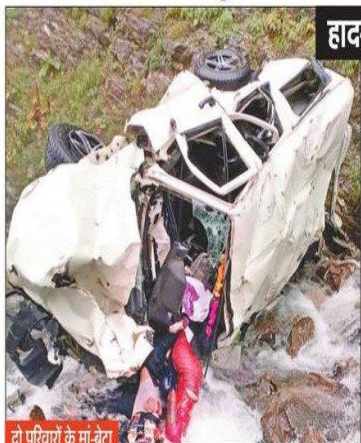
मनाली-रोहतांग मार्ग पर राहनीनाला में देर रात हुआ हादसा, तीन परिवारों पर टूटा कहर

अमर उजाला ब्यूरो

मनाली (कुल्लू)। मनाली से रोहतांग होते हुए चंबा के दुर्गम क्षेत्र पंगी के लिए निकली स्कार्पियो से भारी स्कार्पियो राहनीनाला में बुधवार आधी रात को गहरी खाई में जा गिरी। दर्दनाक हादसे में सभी 11 सदस्यों की मौके पर ही मौत हो गई। इनमें तीन परिवारों के तीन बच्चे, पांच महिलाएं और तीन पुरुष शामिल हैं। करीब 200 फीट गहरी खाई में गिरने से दुर्घटनाग्रस्त वाहन के परखचे उड़ गए।

बोकार सुबह पुलिस दल को मौके पर इधर-उधर शव बिखरे पड़े हुए मिले। मृतकों में 10 लोग चंबा जिले की पंगी घाटी और एक महिला लाहौल-स्पीति जिले की रहने वाली थी। घटना स्थल पर ही पोस्टमार्टम के बाद शव परिवार वालों को सौंप दिए गए हैं। बता दें कि पंगी और लाहौल के रहने वाले लोग कुल्लू-मनाली से ग्राइंडर गाड़ियों में सफर करते हैं।

प्रारंभिक जांच में हादसे का कारण धुंध और चालक का गाड़ी से नियंत्रण खोना माना जा रहा है। हालांकि पुलिस हादसे के सही कारणों का पता लगाने में जुटी है। सूचना मिलने पर एसपी शालिनी अग्निहोत्री ने घटनास्थल का जायजा लिया। पुलिस के अनुसार मनाली से पंगी जा रही स्कार्पियो (एचपी 45-7000)



दो परिवारों के मां-बेटा और एक पिता-बेटी की गई जान

मनाली-लेह मार्ग पर रोहतांग के पास राहनीनाला में खाई में गिरा वाहन और उसमें फंसे राव। अमर उजाला

बुधवार आधी रात को लगभग 12:20 बजे गुलाबा बैरियर से रोहतांग की तरफ निकली थी। इसी बीच राहनीनाला के समीप गाड़ी गहरी खाई में जा गिरी। गाड़ी में कुल 11 लोग सवार थे। रात और धुंध के कारण घटना का किसी को पता नहीं लग पाया। बोकार सुबह हादसे का पता चलते ही पुलिस और बचाव दल

मौके पर पहुंचे। एसपी शालिनी अग्निहोत्री ने बताया कि मामला दर्ज कर लिया गया है और हादसे के कारणों का पता लगाया जा रहा है। प्रशासन ने मृतकों के परिवारों को 20-20 हजार फीरी राहत दी है। हादसे पर राज्यपाल आचार्य देवव्रत और मुख्यमंत्री जयराम ठाकुर ने दुःख जताया है।

हादसे में इनकी गई जान

मृतकों में पंगी के शेर की रहने वाली कल्पना देवी पत्नी कुंश कुमार और उनका दो साल का बेटा अरुणाम, विधवा की रहने वाली अंजना (30) और उनका डेढ़ साल का बेटा नवरा, चंबोली के रहने वाले धर्म सिंह (40) और उनकी पत्नी कुंती (7), कुंता की रहने वाली मीनका (23), गाड़ी चालक प्रोमो निवासी प्रेमराज (29) और मीन (27) पत्नी राजेश कुमार निवासी कोलिंग जिला लाहौल-स्पीति, ऊषा कुमारी पुत्री मेहर चंद निवासी खीवर, पंगी और प्रेम सिंह पुत्र देवी राम निवासी चसव भटोरी, पंगी शामिल हैं। मृतका अंजना के पति कुंश कुमार सतकंठा विभाग कुल्लू में वकील इमरुटर तैनात हैं। पत्नी और बेटे की मौत से आहत कुंश ने बताया कि कुंधार शाम को ही पत्नी और बेटे को पंगी के लिए इस गाड़ी से रवाना किया था।

रात को भी दौड़ रहे वाहन

मनाली (कुल्लू)। बरसात में खराब मौसम और भारी धुंध के बावजूद रोहतांग दर्रा होकर दिन-रात गाड़ियां सरपट दौड़ रही हैं। अभी हादसों के चलते रोहतांग के लिए दोपहर दो बजे के बाद पर्यटक वाहन नहीं भेजे जाते हैं, लेकिन स्थानीय लोगों को प्रशासन की ओर से दी जा रही छूट भारी पड़ रही है। >> विस्तृत पेज 8

आज और कल भारी बारिश की चेतावनी, अलर्ट जारी

मौसम विभाग के पूर्वानुमान को देख सभी उपायुक्त किए सतर्क

अमर उजाला ब्यूरो

एनडीआरएफ की टीमों को भी अलर्ट पर रखा

28 अगस्त तक बारिश होने का पूर्वानुमान

शिमला। हिमाचल में मौसम के तेवर फिर से कड़े हो गए हैं। मौसम विभाग ने किन्नौर और लाहौल-स्पीति को छोड़ कर सूबे के शेष सभी दस जिलों में दो दिन वीरवार और शुक्रवार को भारी बारिश की चेतावनी जारी की गई है। मौसम विज्ञान केंद्र शिमला के अनुसार 28 अगस्त तक पूरे सूबे में बारिश का दौर जारी रहेगा।

भारी बारिश की चेतावनी को देखते हुए सरकार ने सभी जिलों के उपायुक्तों को सचेत रहने के फरमान जारी कर दिए हैं। इसके अलावा एनडीआरएफ टीमों को भी अलर्ट पर रखा है। हालांकि, बुधवार को भारी बारिश की चेतावनी होने के बावजूद प्रदेश में मानसून कमजोर रहा। कुछ क्षेत्रों में हल्की बारिश ही हुई।

राज्य की अतिरिक्त मुख्य सचिव मनीषा नंदा ने सभी जिलाधीशों को पत्र जारी कर दिया है। इस

पत्र में स्थानीय प्रशासन को पैनी निगाह रखने और हरदम अलर्ट रहने के निर्देश दिए गए हैं। जिलाधीशों से कहा गया है कि आपातकाल में राज्य आपात आपरेशन सेंटर (एसडीओसी) को तुरंत सूचित करें, ताकि राहत कार्य शुरू किए जा सकें। जिलों और ब्लॉकों में तैनात राहत दलों और क्विक रिएक्शन टीम (क्यूआरटी) स्टैंड बाई रखने के फरमान दिए गए हैं, ताकि आपात स्थिति से निपटा जा सके। स्थानीय लोगों और पर्यटकों को नदियों और खड्डों के किनारे न जाने की सलाह दी गई है।

epaper.dvyan.hachai.com/1212387

 Tue, 14 August 2018
 epaper.divyahirachal.com/c/31226215

पुष्पों के अलावा, यह पौधा अन्य उपयोगों के लिए भी जाना जाता है।

दिवाय हिमाचल Sat, 28 July 2018
 paper.divyahnachal.com/c/30654658

Agriculture Department: -



Horticulture Department: -



Cloudburst Images

Cloudburst reported at Saleki
in Panchayat (Chamba)



Cloudburst reported at Saleki
in Panchayat (Chamba)



Cloudburst reported at Saleki
in Panchayat (Chamba)



Main market
Bhuntar, Kullu





Dohranala/ Pahnala flash flood -12-08-18





Bhunter town affected due to Khokhan Nala -13-08-2018



Cloud burst Cahhlal – 18-08-2018

Kotrupi Landslide during Monsoon



Landslide at Dhalwan near Kalkhar :



Road Sink at Nauhli

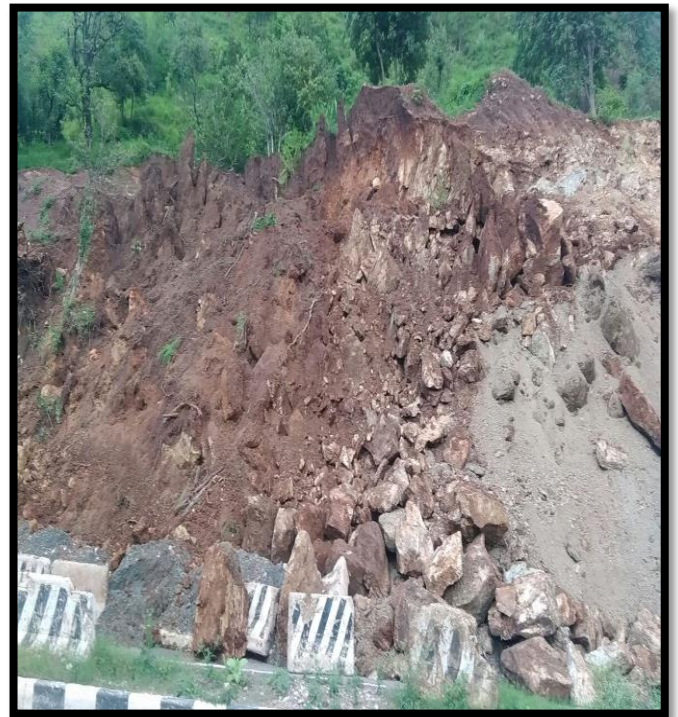


Landslide at Mehgal

Landslide at Banala near Aut Mandi Kullu road



Landslide at Chamukha near Sundernagar

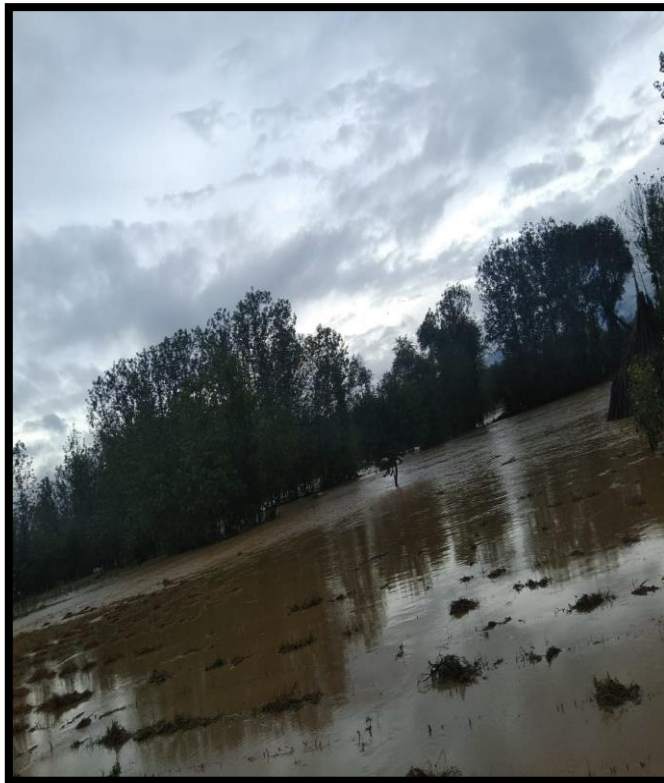
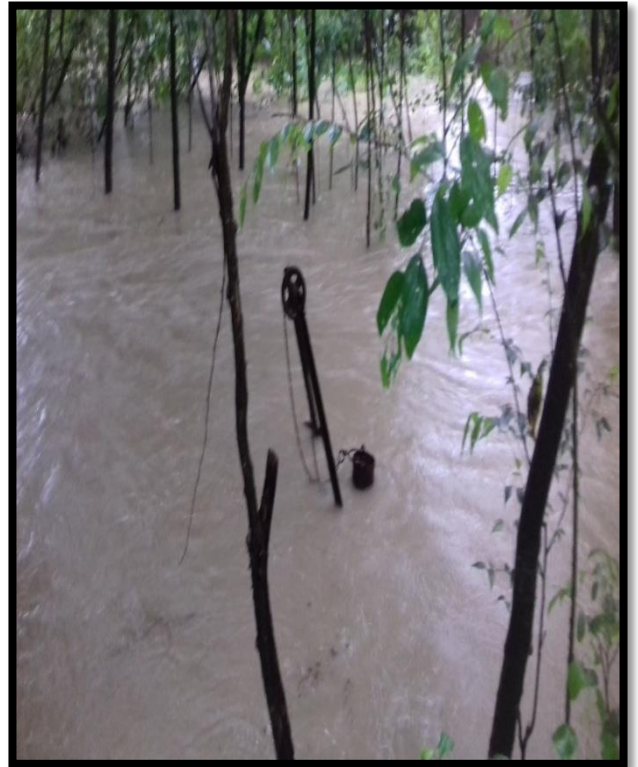


Houses/Cowsheds Damages

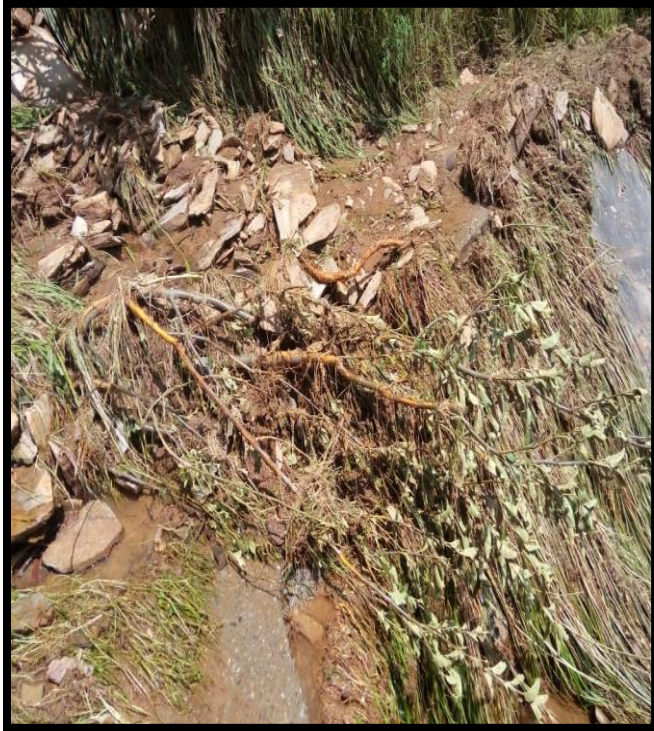


Flood at Balh Sub-division





Agriculture damages at Balh and Panarsa



Horticulture damages at Seraj



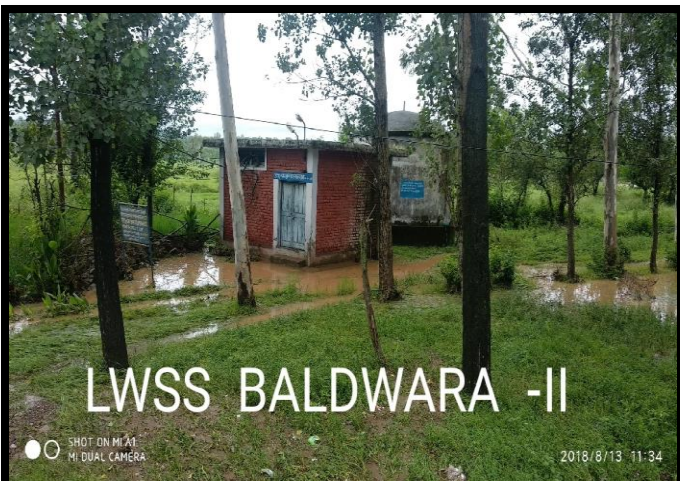
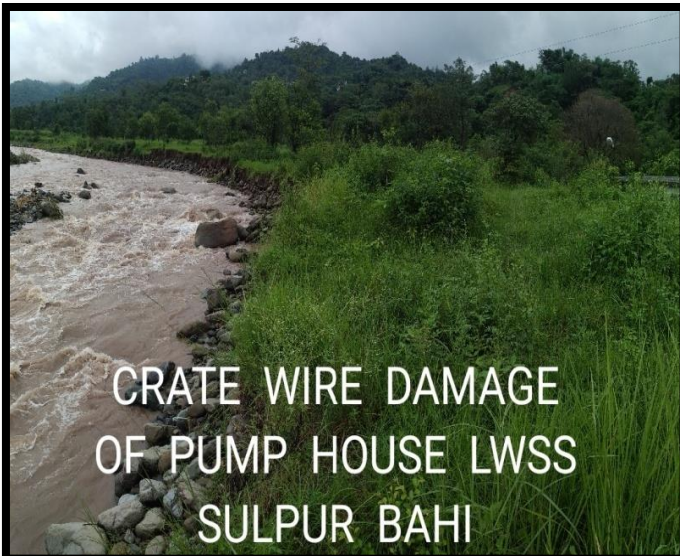
HPSEBL Damages at Balh, Sundernagar and Karsog:-





Restoration of Electricity lines at Bahang

IPH Department: - WSS Phojal Nala



Images of Search and Rescue Operation at Lahaul Spiti and Chamba :-

Rescue Operation at Stingri, Lahaul & Spiti



Rescue Operation at Bathal, Chatru and Chotta Dhara (Lahaul & Spiti)



Community helps during Rescue Operation at Stingri, Lahaul & Spiti:-



Rescue of the Students from Holi, Bharmour Chamba

