

MEMORANDUM REGARDING DAMAGES DUE TO CLOUDBURST, FLASH-FLOODS AND LANDSLIDES DURING MONSOON, 2016.

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 $30^{\circ} 22'.40''$ N to $33^{\circ} 12'.20''$ N and Longitude $75^{\circ} 45'.55''$ E to $79^{\circ} 04'.20''$ 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.

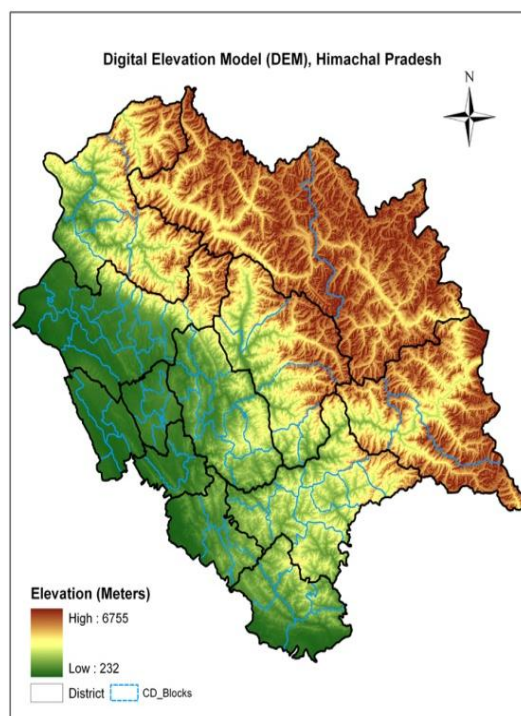


Figure 1.1 Digital Elevation Model, H.P.

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)	6856509	12.81	974	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	382056	12.08	327
2. Chamba	6528	460887	518844	12.58	80
3. Hamirpur	1118	412700	454293	10.08	406
4. Kangra	5739	1339030	1507223	12.56	263
5. Kinnaur	6401	78334	84298	7.61	13
6. Kullu	5503	381571	437474	14.65	79
7. L&S	13835	33224	31528	-5.10	2
8. Mandi	3950	901344	999518	10.89	253
9. Shimla	5131	722502	813384	12.58	159
10. Sirmour	2825	45893	530164	15.61	188
11. Solan	1936	500557	576670	15.21	298
12. Una	1540	448273	521057	16.24	338
Himachal Pradesh	55673	6077900	6856509	12.95%	123

Source: Census of India.

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, 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, LahaulSpiti and parts of Kinnaur district. The eastern greater Himalaya presents the Triassic formation which is found in Kaza tehsil of LahaulSpiti 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.

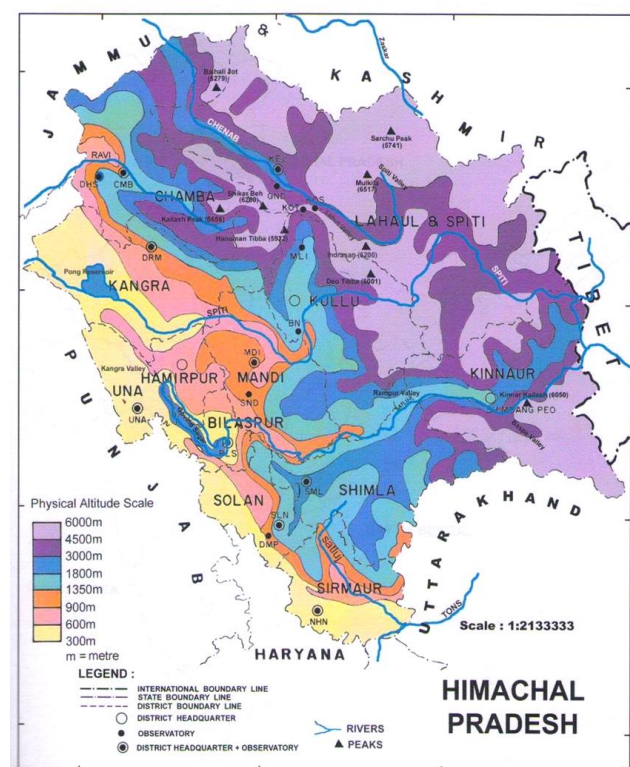


Figure 1.2 Geography of Himachal Pradesh

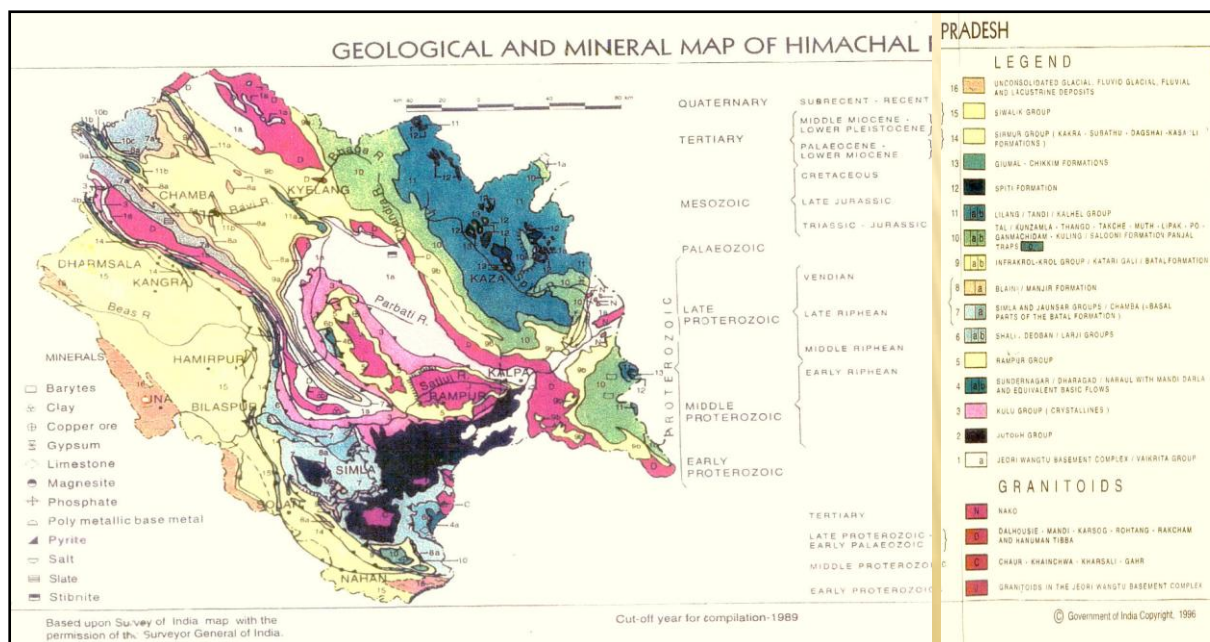


Figure 1.3 Geological and Mineral Map of Himachal Pradesh

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.

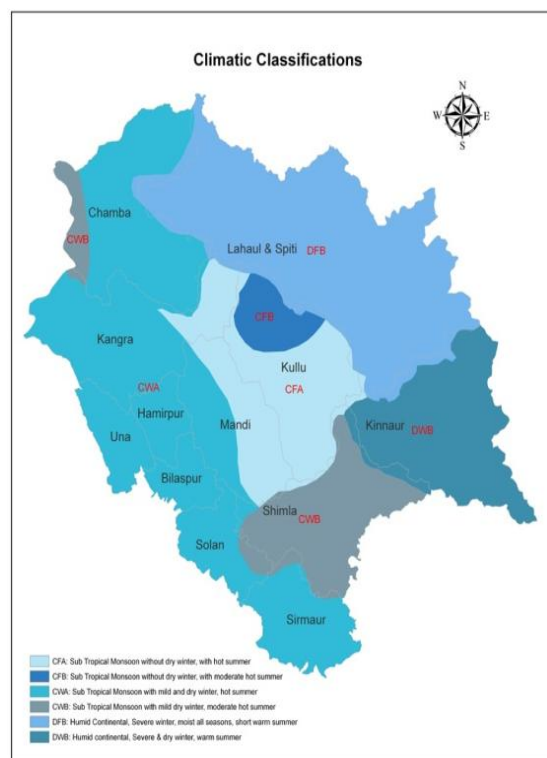


Figure 1.4 Climatic Classifications of Himachal Pradesh

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.

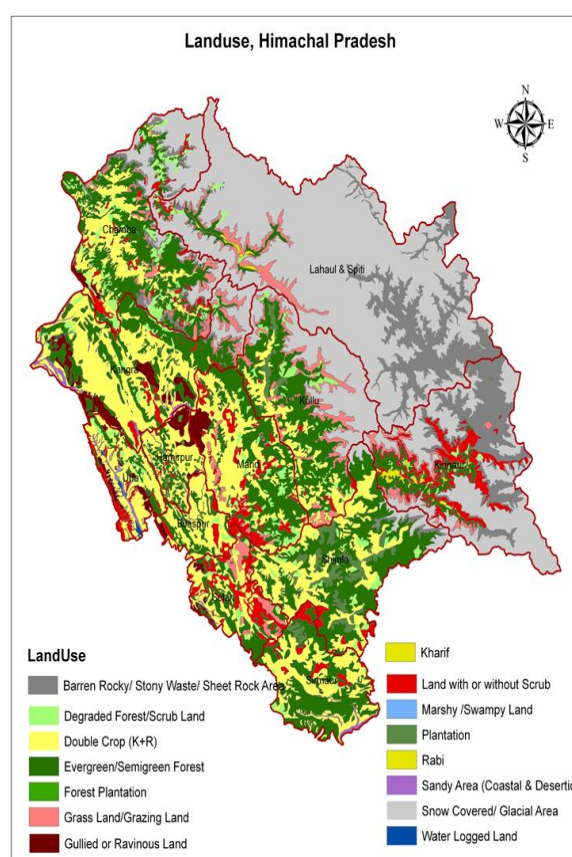


Figure 1.5 land use in Himachal Pradesh

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%

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	2,170,70	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 Panchyats
		Cultivated Area (in ha)	Total No. of farmers	No of SMF**	No. of landless agriculture labourers				
1.	Bilaspur	31459	56097	50325	2923	1622	35	1379	151
2.	Chamba	43389	70012	65232	1655	3174	42	2824	283
3.	Hamirpur	40939	72926	63708	3291	1829	26	1200	229
4.	Kangra	127204	230416	206944	39534	5746	80	4133	760
5.	Kinnaur	9687	10507	8463	1101	1009	21	453	65
6.	Kullu	40028	67753	64452	5590	1741	17	1896	204
7.	Lahaul-Spiti	3461	4152	3015	339	1242	16	383	41
8.	Mandi	96073	149654	135546	6518	5483	63	3916	473
9.	Shimla	80581	109868	92694	9814	5172	86	3400	363
10.	Sirmaur	44646	49046	33993	5767	2985	36	2353	228
11.	Solan	40894	50145	35988	6309	2830	33	1913	211
12.	Una	40395	62807	51910	11330	1814	19	1389	235
Total	Himachal Pradesh	598756	933383	812270	94,171	34647	474	25239	3243

Source: Deptt. Of Economics and Stats

**Small and Marginal Farmers

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 Gobind Sagar, which spreads into the Bilaspur and Una districts, Pong Dam in Kangra, and Pandoh in Mandi District. Chandertal, Renuka and Manimahesh are some of the important natural lakes of the state.

Administrative Units:

The State is comprised of twelve districts which are grouped in three Revenue Divisions i.e. Shimla, Mandi and Kangra. There are 64 Subdivisions, 78 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 29 Municipal Councils and 23 Nagar Panchayats, besides 7 Cantonment Boards, in the State. There are two Municipal Corporations in the State which are locating at Dharmashala and Shimla.

Health:

The State has an extensive network of health care institutions. There are 64 hospitals, 11 dispensaries, 78 CHC's/RH, 50 PHC's, with available bed capacity of 10,037. Similarly, there are 30 Ayurvedic hospitals, 1113 dispensaries/health centres with a bed capacity of 911 available in the state. Besides, there are 3 Ayurvedic Pharmacies and 1 Research Institute. Birth and death rate in the state is 16.4 per 1000 and 6.7 per 1000 respectively (statistical Year Book of H.P.-2013-14).

Roads and Bridges:

As per 2011 data, the state has total road length of 35583 Kms in which motor able double lane is 2416 kms, single lane is 31499 Kms, Jeep able 272 Kms and less than Jeep able 1396 Kms and there are 1365 bridges. About 8156 villages are connected with roads.

Source: Deptt. of Economics and Statistical, Himachal Pradesh.

***Small and Marginal Farmers*

Current Disaster

CLOUD BURSTS, FLASH FLOODS, LANDSLIDES IN HIMACHAL PRADESH DURING MONSOON, 2016.

As per the Rainfall Data issued by IMD, the State experienced intermittently moderate to very heavy rainfall which caused flash floods, cloud bursts and landslides throughout the State resultantly, besides human/cattle loss, massive damages to public and private properties occurred.

	Name of affected districts	Rainfall on 3rd July 2016			Rainfall on 12 th August 2016		
		ACTUAL (mm)	NORMAL (mm)	DEP %	ACTUAL (mm)	NORMAL (mm)	DEP %
1	BILASPUR	17.2	7.1	142	60.1	7.8	671
2	CHAMBA	3.5	9.7	-64	30.5	20.5	49
3	HAMIRPUR	25.7	7.9	225	100	12.2	722
4	KANGRA	25.1	10.9	130	109	27.5	296
5	KINNAUR	5.3	1.3	308	1.5	3.1	-52
6	KULLU	18.8	3.6	422	12.9	6.4	102
7	LAHAUL & SPITI	0	4	-100	11.3	5.2	117
8	MANDI	15.3	7	119	44.8	13.5	232
9	SHIMLA	13.3	5.5	141	28	7.3	283
10	SIRMAUR	24.7	9.3	166	22.5	18.7	20
11	SOLAN	39.3	9.7	305	36	15	140
12	UNA	9	16.8	-47	94.3	10	843
	HIMACHAL PRADESH	12.8	6.5	97	39.4	11	259

Sourc: India Meteorology Department, Shimla.

Extent of damages:

The damages are detailed hereunder:

1. **Human Loss:** As of now, **40** persons lost their precious life due to natural calamities, viz. cloudburst, flash floods and landslides. The ex-gratia payment on this account @ Rs.0.04 Cr per head has been assessed at **Rs. 1.60 Crore** as per following District-wise break-up:

Sr. no	Districts	Human Lives Lost	Missing	Ex-gratia as per Relief Manual (Res. in Cr)
1	Bilaspur	1		0.04
2	Chamba	7	3	0.28
3	Hamirpur	-		-
4	Kangra	2	2	0.08
5	Kinnaur	-		-
6	Kullu	8	-	0.32
7	Lahaul & Spiti	-		-
8	Mandi	5		0.20
9	Shimla	9	5	0.36
10	Sirmaur	5		0.20
11	Solan	3		0.12
12	Una	-		
	Total	40	10	1.60

Source: Deputy Commissioners

2. **Animals lost:** - **136** animals including sheeps & goats and buffaloes died. Loss on this account has been assessed as **Rs. 0.23 Crore**.
3. **Structures damaged:- 2283** (Fully damaged Kuchha and Pucca houses - **219**, partially damaged Kuccha & Pucca houses - **1072**, cowsheds, gharats, shops and labour sheds – **992**) due to landslides triggered by heavy rain with overall loss to private property worth **15.27 Crore**. The details of relief sought as per NDRF guidelines have been assessed at **Appendix VII**.
4. **Damage to roads:** Due to flash floods and landslides, 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. 595.02 Crore**. (Appendix-XI-A).

The damaged road infrastructures have been restored immediately with the help of Government and private machinery in order to avoid public inconvenience. The permanent restoration work is still going on.

5. **Damage to Irrigation and water supply schemes:** In all **3349** IPH schemes have been damaged. (Urban Water Supply - 42, Rural Water Supply - 2417, Irrigation schemes - 843, Flood Protection – 26 and Sewerage schemes – 21). Total loss has been estimated till date as **Rs. 151.24 Crore**.
All the damaged schemes have been restored temporarily.
6. **Rainfall:** As per the Rainfall Data received from the India Meteorological Department (IMD), percent departure of rainfall in the months of June, July and August was to the extent of 2%, -37% and -6% respectively. The overall departure of rain during the monsoon season was (22%) but, heavy to very heavy rainfall has also occurred during the season in some parts of the state resulting to crop loss as well cultivated area to some extent. In fact, these were extreme events.
7. **Damage to Agriculture crops:** Agriculture being the main occupation of the people of Himachal Pradesh has an important role in the economy of the state. It provides direct employment to about 70% of working population. Out of total geographical area of 55.67 lacs hect., area of operational holding is 9.55 lacs hect. owned by 9.61 lacs farmers. The average size of holding is 1.00 hect. and Small & Marginal Farmer constitute 87.95% of the total land holdings. Thus bulk of holding constitutes Small & Marginal Farmers. Net sown area is 5.38 lac hect. About 19% area is irrigated whereas remaining 81% of the total cultivated area is dependent upon rains. Kharif Season starts from May and goes upto September. The major crops of Kharif are Maize, Paddy, Pulses, Oilseeds, Potato and Vegetables. Sowing of Maize crop starts from mid of April in high hills and goes upto last week of June in valley areas.

Losses: Due to heavy rainfall, the crops have been affected in some parts of the state. The State Government assessed the first hand information on damages caused to standing Kharif crops because of heavy rains in the state. The overall loss to crops has been assessed to the tune of **Rs. 6.64 crores**. The cultivated land has also been damaged/washed away due to siltation/ landslides and loss is around **Rs. 0.20 crores**. The losses calculated as per the norms on the area where crop loss is more than 33% comes to **Rs. 1.23 crores**.

8. **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 2.20 Lakh Hec in the state. Apple, Mango and citrus are major fruit crops grown in the state that constitute about 90% of total fruit production.

The Horticulture industry is exposed to various types of weather vagaries like hail storm, drought, strong winds & untimely excess rains. The intermittent rains and cloudy weather during the month of July and August reduced the fruit size due to limited sun hours. The District wise detail of losses w.e.f. June to September 2016

amounting to **Rs. 19.99 Crore** is enclosed at Appendix-IVC. The losses as per GOI guidelines amounting to **Rs. 8.55 Crore** are enclosed at Appendix-IVD. There is no loss to horticultural land during this period (Appendix-IVE).

9. **Damage to electricity infrastructure:** The H.P. State Electricity Board Ltd. is providing supply of electricity to the entire State under extreme climate conditions. The electricity infrastructure has also severely been damaged throughout the State. The total loss has been assessed at **Rs. 69.66 Crore** on this account. The details are at **Appendix VIII**.
10. **Fisheries:** Trout Fish Farm, Hamni, Tehsil Banjar, District Kullu and its property vis. Nurseries and ponds have been damaged and loss of **Rs. 1.00 Crore** has been assessed.
11. **Education:** The total loss on this account has been assessed as **Rs 0.10 Cr.**
12. **Damage to community/Government assets:** Community assets viz; community centers, village paths etc. have been damaged in the State with a loss of **Rs. 3.02 Crore.**

Total cumulative losses suffered by the state are Rs. 863.97 Crore.

Steps taken by State Government:

Relief and rehabilitation efforts:

1. Total **Rs. 190.52 Crore** have been released as of now for relief and rehabilitation works.
2. Rs. 99.60 Crore have been released to all the districts.
3. Rs. 90.92 Crore have been released to line departments.
4. The monsoon situation was monitored at the highest level.
5. Two teams of National Disaster Response Force (NDRF) were deployed at Jachh, Nurpur, District Kangra and Sunni, District Shimla for prompt and effective disaster management.
6. Mid-term appraisal of Monsoon situation has been done.
7. Control Rooms at SEOC/DEOCs are functioning round the clock.
8. Daily/Cumulative Loss Reports are being obtained from all districts and departments.
9. Timely dissemination of Weather forecast.

Summary of the total requirement of funds under NDRF

Sl. No.	Items/Sectors	Amount required (Rs. In Crore)
1.	Gratuitous Relief	
(a)	GR for Human lives lost	1.60
2.	Search& Rescue operations:	-
(a)	Helicopter support	-
3	Relief measures (for relief camps)	-
4	Agriculture + Horticulture	
(a)	Agriculture crop loss	6.64
(b)	Horticulture crop loss	19.99
(c)	Loss of Agri/horticultural land	0.20
5	Animal Husbandry- Assistance to small and marginal Farmers for loss of animals	0.23
6	Fishery	1.00
7	Housing	15.27
8	Community assets	3.02
9	Infrastructure	
(a)	PWD	595.02
(b)	IPH	151.24
(c)	Power	69.66
(d)	Animal husbandry (structural loss)	-
(e)	Health	-
(F)	Education	0.10
(g)	BRO (roads)	-
	Total:	863.97

Appendix – I

Rainfall in State on 3rd July, 2016 and in previous years.

Sl. No.	Name of affected districts	Rainfall/snowfall during the calamity (in mm) 3 rd July 2016			Rainfall during the corresponding period in the last three years								
					Last Year 3 rd July 2015			Year before last Year 3 rd July 2014			Two Years before last Year 3 rd July 2013		
		ACTUAL (mm)	NORMAL (mm)	DEP %	ACTUAL (mm)	NORMAL (mm)	DEP %	ACTUAL (mm)	NORMAL (mm)	DEP %	ACTUAL (mm)	NORMAL (mm)	DEP %
1	BILASPUR	17.2	7.1	142	0.3	7.1	-96	4.6	7.1	-36	4.9	7.1	-31
2	CHAMBA	3.5	9.7	-64	0.9	9.7	-91	9.3	9.7	-4	9.1	9.7	-6
3	HAMIRPUR	25.7	7.9	225	0	7.9	-100	7.3	7.9	-8	0.7	7.9	-92
4	KANGRA	25.1	10.9	130	10.1	10.9	-8	10.7	10.9	-2	15.7	10.9	44
5	KINNAUR	5.3	1.3	308	0	1.3	-100	0	1.3	-100	0.8	1.3	-38
6	KULLU	18.8	3.6	422	0	3.6	-100	8.7	3.6	141	4.7	3.6	30
7	LAHAUL & SPITI	0	4	-100	0	4	-100	0	4	-100	1.2	4	-70
8	MANDI	15.3	7	119	5.3	7	-25	6.5	7	-8	11.2	7	60
9	SHIMLA	13.3	5.5	141	3.5	5.5	-36	11.7	5.5	113	15.3	5.5	177
10	SIRMAUR	24.7	9.3	166	1.5	9.3	-84	14.3	9.3	53	4.2	9.3	-55
11	SOLAN	39.3	9.7	305	0	9.7	-100	17.1	9.7	77	21.7	9.7	124
12	UNA	9	16.8	-47	0	16.8	-100	1	16.8	-94	9.5	16.8	-44
	Total	12.8	6.5	97	1.7	6.5	-75	6.1	6.5	-7	6.5	6.5	1

Source: India Meteorology Department, Shimla.

Rainfall in State on 12th August, 2016 and in the previous years.

Sl. No.	Name of affected districts	Rainfall/snowfall during the calamity (in mm) 12 Aug 2016			Rainfall during the corresponding period in the last three years								
					Last Year			Year before last Year			Two Years before last Year		
					12 Aug 2015			12 Aug 2014			12 Aug 2013		
		ACTUAL (mm)	NORMAL (mm)	DEP %	ACTUAL (mm)	NORMAL (mm)	DEP %	ACTUAL (mm)	NORMAL (mm)	DEP %	ACTUAL (mm)	NORMAL (mm)	DEP %
1	BILASPUR	60.1	7.8	671	1.3	7.8	-83	3.9	7.8	-51	0.4	7.8	-95
2	CHAMBA	30.5	20.5	49	17.6	20.5	-14	0.7	20.5	-97	9.4	20.5	-54
3	HAMIRPUR	100	12.2	722	0.2	12.2	-99	4.2	12.2	-66	1.6	12.2	-87
4	KANGRA	109	27.5	296	70.7	27.5	157	5.5	27.5	-80	11.5	27.5	-58
5	KINNAUR	1.5	3.1	-52	0.2	3.1	-95	0	3.1	-100	0	3.1	-100
6	KULLU	12.9	6.4	102	10.7	6.4	68	2.1	6.4	-67	6.1	6.4	-4
7	LAHAUL & SPITI	11.3	5.2	117	0	5.2	-100	0	5.2	-100	0	5.2	-100
8	MANDI	44.8	13.5	232	31.9	13.5	136	0	13.5	-100	4.3	13.5	-68
9	SHIMLA	28	7.3	283	22.4	7.3	207	1.2	7.3	-83	2	7.3	-73
10	SIRMAUR	22.5	18.7	20	30.4	18.7	63	1.3	18.7	-93	23.9	18.7	28
11	SOLAN	36	15	140	4.3	15	-71	3	15	-80	7.4	15	-51
12	UNA	94.3	10	843	5.1	10	-49	0.2	10	-98	0	10	-100
	Total	39.4	11	259	14.1	11	29	1.7	11	-84	4.2	11	-61

Source: India Meteorology Department, Shimla.

Appendix-II**Extent of damages.****STATE: HIMACHAL PRADESH****Nature and period of calamity: Cloud Burst, Flash floods, Landslides during Monsoon, 2016.**

S.No.	Item	Detail
1	Total number of districts	12
2	Number and names of districts affected	12 No. (Bilaspur, Chamba, Hamirpur, Kangra, kinnaur, Kullu, Lahaul&Spiti, Mandi, Shimla, Sirmour, Solan, Una)
3	Number of villages affected	17882
4	Population affected(in lakh)	68.65 (as per 2011 census)
5	Total land area affected	55.673 sq.kms.
6	Cropped area affected	
	(i) Total cropped area affected	Agriculture: 3126 ha
		Horticulture: 63685.02 ha
	(ii) Estimated loss to crops (Rs. In crore)	Agriculture: 6.64
		Horticulture : 19.99
		Loss of Agriculture land: 0.20
	(iii) Area where cropped damages was more than 33%	Agriculture: 1246 ha
		Horticulture: 34139.19 ha
7	Percentage of area held by SMF:	
	(i) In the State as a whole	86.6
	(ii) In the affected districts	78

8	Houses damaged: -	
	(a) No. of houses damaged :-	2283
	(i) Fully damaged pucca houses	29
	(ii) Fully damaged kutcha houses	190
	(iii) Severely damaged Pucca houses	97
	(iv) Severely damaged kutcha houses	975
	(v) Partly damaged houses (Pucca+kutcha)	
	(vi) No. of huts/shops/laboursheds/cowsheds damaged	992
	(b) Estimated value of damage to houses	15.27 Cr
9.	No. of human lives lost	40
10	No. of persons with grievous injuries	
11	No. of persons with minor injuries	
12	Animals lost:-	
	(a) No. of big Animals lost	70
	(b) No. of small Animals lost	66
	(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) Total Length = 12535 km out of 31677 Km. State Highways = 370 km out of 1466 Km. Major Distt. Roads = 950 km out of 2397 Km. Rural Road = 11215 km out of 27814 Km. Bridges = 6 Nos. (3 Fully damaged) No. of Culverts = 270 Nos.	595.02 Cr
	(2) IPH: 2459 Rural and urban water supply schemes have been damaged. In addition, 843 irrigation schemes, 26 flood protection works and 21 Sewerage schemes have been damaged.	151.24 Cr
	(3) Power: Damage to transformers, HT and LT lines, substation, EHB/HB line, and power houses of HPSEBL.	69.66 Cr
	(4) Animal Husbandry: loss to livestock/infrastructure	0.23 Cr
	(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.	3.02 Cr
	(7) Fisheries	1.00 Cr
	(8) Education	0.10 Cr
	(9) Health	
14	Estimated total damage to Houses, Crops and public properties.	862.37 Cr

Appendix-III

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

Sl.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								

Appendix – IV A

Statement showing loss assessment Value to kharif crops in Himachal Pradesh during Monsoon, 2016.

Assessment of Losses to Kharif Season, 2016 due to Heavy Rains.						
Sr. No	Name of Crops	Area (in Hectares)		Extent of area damaged under crops (in Hactares)		Damages of area under crops value (Lacs.)
		Sown	Damaged	Less than 33%	33% and above	
1	2	3	4	5	6	7
A. Cereals						
1	Maize	295618	1039	1039	0	44.49
2	Paddy	75315	286	194	0	13.24
3	Ragi	1974	0	0	0	0
4	Millets	4214	0	0	0	0
5	Kharif Pulses	21600	95	95	0	4.44
Total (Cereals)		398721	1420	1328	0	62.17
B. Commercial Crops						
1.	Vegitables	52192	1701	269	1500	601.67
2	Potato	13099	0	0	0	0
3.	Ginger	5154	10	1	0	0.40
4	Oil Seeds	10616	5	7	0	0
Total (Comm.)		81061	1716	277	1500	602.07
Grand Total (A+B)		479782	3136	1605	1500	664.24

Source: Agriculture Department, HP.

Assistance for agriculture inputs subsidy- Small & Marginal Farmers (SMF)

Assessment of Losses to Kharif Season, 2016 due to Heavy Rains.										
	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. 6800 x col.5A) (In lacs)	Irrigated (Rs.13500 x col.5B) (in lacs)	Perennial (Rs. 18000 (x col.5C)	
1	Bilaspur	29760	0	0	0	0	0	0	0	0
2	Chamba	33302	0	0	0	0	0	0	0	0
3	Hamirpur	35060	0	0	0	0	0	0	0	0
4	Kangra	104152	0	0	0	0	0	0	0	0
5	Kinnaur	5423	0	0	0	0	0	0	0	0
6	Kullu	25420	0	0	0	0	0	0	0	0
7	L/Spiti	5436	0	0	0	0	0	0	0	0
8	Mandi	83125	0	0	0	0	0	0	0	0
9	Shimla	46200	0	0	0	0	0	0	0	0
10	Sirmour	39460	0	0	0	0	0	0	0	0
11	Solan	39910	1500	1200	300	0	82	41	0	123
12	Una	32534	0	0	0	0	0	0	0	0
	Total	479782	1500	1200	300	0	82	41	0	123

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 :- 1 st June to 15 th September 2016																								
Name of District	Name of Horticulture crop affected	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<3%	Total area affected where crop loss is>3%		
		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	No. of plants completely destroyed	No. of plants partially damaged	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	
Shimla	Fruit crops	1058	540	15	1613	422.14	540	30	992.14	0	0	0	0	20	15	0.73	600	165	5100	765	930.73	72.06	920.08	
Mandi	Fruit crops	300	250	400	950	125	170	220	515	0	0	0	0	0	0	0	325	20	400	25	45	460	55	
Kinnaur	Fruit crops	46	25	50	121	2.8	2.38	9.8	14.98	0	0	0	0	4230	307	99.44	17.46	6.98	0	0	106.42	0	14.98	
Bilaspur	Fruit crops	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Solan	Fruit crops	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Kullu	Fruit crops	131	82	20	233	60.46	80.1	40	180.56	0	0	0	0	108	18	1.96	270.5	54.15	92.6	12.51	68.62	180.4	0.16	
Sirmour	Fruit crops	1835	1335	1058	4228	1960	950	573	3483	1040	1390	7473	5971	205.54	2156.75	235.54	520.18	59.7915	501.1195	3483	501.1195	0	3483	
Chamba	Fruit crops	649	299	2	950	318	60.5	5	383.5	0	0	0	0	0	0	0	602	54.59	1317.5	77.36	131.95	383.5	0	
Kangra	Fruit crops	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Hamirpur	Fruit crops	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Lahaul Spiti	Fruit crops	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Una	Fruit crops	2455	1452	1423	5330	487.66	388.2	279.38	1155.24	0	0	0	0	0	0	0	5612.55	168.18	1584.5	47.53	215.66	877.28	277.96	
	G.Total	6474	3983	2968	13425	3376.06	2191.18	1157.18	6724.42	1040	1390	11831	6311	307.67	9584.26	704.44	9014.78	987.1915	1999.4995	1973.24	4751.18			
Rs. in crore 19.99																								

Appendix-IV-D

Assessment of Horticulture Cropped Area Affected Due to cloud burst, flash floods, landslides during Monsoon, 2016.

Department of Horticulture, HP														
Sr. No.	Name of affected Districts	Total No. of Farmers(Orchardists)	Total No. of farmers affected	Total Area under fruits	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 (Rs.6800xcol.7)	Irrigated (Rs.13500x col.7)	Perennial (Rs.18000x col.7)		
1		2	3	4	5	6	7	8A	8B	8C	9A	9B	9C	10(9A+9B+9C)
1	Shimla	55020	1613	136815	992.14	920.08	0	0	0	920.08	0	0	16561440	16561440
2	Mandi	68354	950	109077	515	55	0	0	0	55	0	0	990000	990000
3	Kinnaur	6145	121	38313	14.98	14.98	0	0	0	14.98	0	0	269640	269640
4	Bilaspur	32350	0	21939	0	0	0	0	0	0	0	0	0	0
5	Solan	31143	0	19254	0	0	0	0	0	0	0	0	0	0
6	Kullu	34448	233	89469	180.56	0.16	0	0	0	0.16	0	0	2880	2880
7	Sirmaur	28389	4228	44010	3483	3483	0	0	0	3483	0	0	62694000	62694000
8	Chamba	28614	950	52104	383.5	0	0	0	0	0	0	0	0	0
9	Kangra	103383	0	118320	0	0	0	0	0	0	0	0	0	0
10	Hamirpur	41741	0	21441	0	0	0	0	0	0	0	0	0	0
11	Lahaul & Spiti	493	0	5163	0	0	0	0	0	0	0	0	0	0
12	Una	34174	5330	17151	1155.24	277.96	0	0	0	277.96	0	0	5003280	5003280
	Grand Total:-	464254	13425	673056	6724.42	4751.18	0	0	0	4751.18	0	0	85,521,240.00	85,521,240.00
														Rs in crore 8.55

Source: Horticulture Department, HP.

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

Sl. No.	Districts	Nature of loss	Extent	Value (Rs. in lacs)
1	State H.P.	Cultivated Area washed away /damaged by land slides avalanches and change of course of rivers	100 Hec.	20.00 lacs

Agricultural input subsidy –farmers other than SMF

Sl. No.	Name of affected district	Total Agricultural 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) 9[7A+B+C] +8(A+B+C).
			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	
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)

Sl. N. O.	Name of the District	No. of Cattle lost				No. of animals qualifying for relief grant (i.e. subject to ceilling of 3 large milch animal or 30 small milch animals or 3 large draught animals or 6 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 In Rs.
		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 Donk ey & Pony	
1.	BILASPUR	16	0	0	0	16	0	0	0	4,80,000	0	0	0	4,80,000
2.	CHAMBA	14	0	0	0	14	0	0	0	4,20,000	0	0	0	4,20,000
3.	HAMIRPUR	0	0	0	0	0	0	0	0	0	0	0	0	0
4.	KANGRA	8	0	0	0	8	0	0	0	2,40,000	0	0	0	2,40,000
5.	KULLU	20	0	0	0	20	0	0	0	6,00,000	0	0	0	6,00,000
6.	KINNAUR	0	66	0	0	0	66	0	0	0	198,000	0	0	1,98,000
7.	LAHAUL & SPITI	0	0	0	0	0	0	0	0	0	0	0	0	0
8.	MANDI	5	0	0	0	5	0	0	0	1,50,000	0	0	0	1,50,000
9.	SHIMLA	0	0	0	0	0	0	0	0	0	0	0	0	0
10.	SIRMAUR	6	0	0	0	1	0	0	0	180000	0	0	0	180,000
11.	SOLAN	1	0	0	0	6	0	0	0	30000	0	0	0	30,000
12.	UNA	0	0	0	0	0	0	0	0	0	0	0	0	0
Total		70	66	0	0	70	66	0	0	2100000	198000	0	0	2298000

Source: Deputy Commissioners.

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		Severely damaged pucca houses @ Rs.1,01,900 per houses		Severely damaged kutcha houses @ Rs.1,01,900 per house		Cowsheds/Gharates/business premises @ Rs.10,000 Per Unit		laborsheds damaged 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	5	5.10	7	7.13			23	23.44	51	5.10	-	-
2.	CHAMBA	-	-	25	25.48	4	4.08	34	34.65	10	1.00	2	0.08
3.	HAMIRPUR			7	71.33	7	71.33	25	25.47	39	3.90	2	0.08
4.	KANGRA	13	13.25	70	71.33	17	17.32	337	343.40	480	48.00	-	-
5.	KULLU	3	3.06	2	2.04	14	14.27	56	57.06	11	1.10	-	-
6.	KINNAUR	1	1.02	-	-	1	1.02	-	-	-	-	-	-
7.	LAHAUL & SPITI	-	-	-	-	-	-	-	-	-	-	-	-
8.	MANDI	1	1.02	17	2.04	-	-	155	157.95	199	20.00	-	-
9.	SHIMLA	2	2.04	2	2.04	15	15.29	239	243.54	93	9.30	3	0.12
10.	SOLAN	4	4.08	4	4.08	28	28.53	93	94.77	69	6.90	-	-
11.	SIRMOUR	-	-	56	57.06	11	11.21	13	13.25	33	3.30	-	-
12.	UNA	-	-	-	-	-	-	-	-	-	-	-	-
	TOTAL	29	29.57	190	242.53	97	163.05	975	993.53	985	98.6	7	0.28
Grand Total : Rs. 15.27 Crore													

Source: Deputy Commissioners

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		Total length = 12535 km out of 31677 km State Highways = 370 km out of 1466 km Major Distt. Roads=950 km out of 2397 km Rural Roads= 11215 km out of 27814 km Bridges = 6 Culverts = 270	595.02		-	595.02 Cr Amount of damages has been calculated as per Schedule of Rate (SOR) 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	2459 schemes	92.35 cr			
	Irrigation	843 schemes	47.34 cr			
	Sewerage	21	4.62 cr			
	Flood Protection Work	26	6.93 cr.			
		Total: 151.24 Cr.				
Power		Damage to Electrical infrastructure including transformers, HT/LT lines, EHB/HB lines towers sub-stations and power houses	69.66 Cr	-	-	Rs. 69.66 Cr.

Education	Damage to school institutions.	0.10 Cr	-	-	0.10 Cr
Health (Primary Health Centers)	Damage to various health institutions	-	-	-	
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.	3.02 Cr	-	-	3.02 Cr
BRO Roads	Damage to National highway	-	-	-	-
Fisheries	Damage to trout fish farm and fishery resources	1.00 Cr	-	-	1.00 Cr
Grand Total		820.04 Cr	-	-	820.04 Cr

Source: Public Works Department, I & PH, HPSEB Ltd.

Appendix-IX**State: Himachal Pradesh****Status of expenditure from State Disaster Response Fund (SDRF/NDRF) Account, Year 2016-17.**

Sl.No.	Item	Amount (Rs. in Crores)
	(I) Receipts	
1.	Opening balance in SDRF account as on 1.4.2016 of financial year 2015-16 (a)SDRF (b)NDRF (c) Total	1.0030
2.	SDRF Releases made during instant financial Year (central and state share): (a) First installment (b) Second installment (c) Total	(a) 136.40 (b) nil (c) 136.40
3.	NDRF releases during the instant financial year, If any	81.22*
4.	Interest received on investments made as per the CRF scheme	0.0015
5.	Total funds available in the SDRF account(1+2+3+4)	218.6245
	(II) Expenditure (till date)	
6.	Expenditure incurred as per norms on approved natural calamities as per the Schemes of SDRF/NDRF (indicate calamity-wise expenditure)	183.52 Cr
	1) Gratuitous relief and cash assistance: Rs. 52.50 Cr	
	2)Repair of Public Buildings : Rs-nil	
	3)Repair of Houses : Rs. 23.60 Cr	
	4)Repair of Roads/Bridges : Rs. 47.30 Cr	
	5)Repair of Irrigation and Water Supply Schemes : Rs.20.68 Cr	
	6)Horticulture input subsidies : Rs. 6.34 Cr	
	7)Agriculture input subsidies : Rs. 6.00 Cr	
	8)Subsidy for Animal loss and fodder : Rs. nil	
	9)Repair of Electrical infrastructure : Rs. 3.60 Cr	
	10)Repair of Community Assets : Rs. 23.50 Cr	
	Total :Rs, 183.52	
7.	Expenditure incurred on training to specialized Teams of the state/District personnel	1.50 Cr
8.	Expenditure incurred on procurement of search and rescue equipment etc.(as per extent approved items).	5.50 Cr
9.	Total expenditure incurred (6+7+8)	190.52 Cr
10.	Balance available in the SDRF account of the instant financial year:- (a)SDRF (b)NDRF (c) Total	28.10.45 Cr Nil 28.10.45 Cr

*It was due to last year's Memorandum of Damages.

Profile of the State

Sl. 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.) 2014-15	% 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

Appendix-XI-A**State: Himachal Pradesh****Extent of damage due to natural calamities****Type of Natural Calamity: Cloud Bursts, Flash Floods, Landslides during Monsoon, 2016.**

Sl. No.	Item		Details
1.	Period occurrence		15.6.2016 to date
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		17,882 Census Villages
5.	Population affected		68.65 lakh as per 2011 Census
6.	Total land area affected		55.673 Sq. km.
7.1	Cropped area affected		
7.1.1	Total cropped area affected	Agriculture: 3126 hac	66811.02 hac
		Horticulture:63685.02 ha	
7.1.2	Estimated loss to crops and horticultural land	Agriculture: 6.84 Crore	26.83 Crore
		Horticulture: 19.99 Cr	
7.1.3	Area where crop damage was more than 33%	Agriculture: 1246 ha	35385.19 hac
		Horticulture: 34139.19ha	
7.2	Percentage of cropped area held by SMF		
7.2.1	In state as a whole		86.6 %
7.2.2	In the affected districts		78
8.	Houses damaged		
8.1	No. of house damaged (Total)		2283
8.1.1	Fully damaged pucca houses		29

8.1.2	Fully damaged Kutcha houses	190
8.1.3	Severely damaged pucca houses	97
8.1.4	Severely damaged Kutcha houses	975
8.1.5	Partly damaged houses (pucca+kutcha)	-
8.1.6	No. of huts/shops/laborsheds/gharates cowsheds damaged	992
8.2	Estimated value of damage to houses	15.27 Cr
9	No. of human lives lost	40
10.	No. of persons who suffered grievous injuries	-
11.	No. of Persons who suffered minor injuries	-
12.	Animal & Poultry Loss	
12.1	No of milch animal lost	70
12.1.1	Buffalo/cow/Camel/Yak	
12.1.2	Sheep/Goat	66
12.1.3	Others(indicate name)	-
12.2	No. of Draught animals lost	
12.2.1	Camel/Horse/Bullock	
12.2.2	Calf /Donkey/Pony/Mule	-
12.2.3	Others (indicate name) Yak	-
12.3	No of Poultry birds lost	-
13.	Damage to public properties	
13.1	Public works department	595.02 Cr
13.1	Roads (All)	
13.1.1	State Roads	
13.1.2	District Roads	
13.1.3	Village Roads	

13.2	Bridges & Culverts		
13.2.1	Bridges	6 Nos. (3 fully damaged)	
13.2.2	Culverts	270 Nos.	
13.3	Drinking water supply-rural/urban)	2459	151.24 Cr
13.4	Irrigation, sewerage flood protection works	843 21 26	
13.5	Power Sector	-	
13.6	Education Sector		0.10 Cr
13.6.1	Primary Schools (Damaged/Destroyed)		
13.6.2	Middle Schools (Damaged/Destroyed)		
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)		3.02 cr
13.7.3	Others Buildings(damaged /Destroyed)Community assets etc		
14.	Animal Husbandry	Damage to the roofs, windows, doors and retaining walls of Veterinary institutions.	0
15.	Fisheries		1.00 Cr.
16.	BRO		0
	Total Estimated damage to Houses, Crops and public Properties		862.14 Cr

Appendix-XI-B**Extent of damage due to Cloud Bursts, Flash Floods, Landslides – Monsoon, 2016**

S. No	Item	Calamities
		Heavy rains leading to flashfloods and landslides
1.	Period of occurrence	15.6.2016 to 15.9.2016
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	17,882 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	479782 ha
7.1.1	Total Cropped area affected	24049.8 ha
7.1.2	Estimated loss to agri/horticultural crops/land (Rs.in Cr)	26.83 Crore
7.1.3	Area where crop damage was more than 33%	12281.98 ha
7.2	Percentage of cropped area held by SMF	
7.2.1	In State as a whole	86.6%
7.2.2	In the affected districts	78
8	Houses damaged	
8.1	No. of houses damaged (Total)	2283

S. No	Item	Calamities
		Heavy rains leading to flashfloods and landslides
8.1.1	Fully damaged pucca houses	29
8.1.2	Fully damaged kutcha houses	190
8.1.3	Severely damaged pucca houses	97
8.1.4	Severely damaged kutcha houses	975
8.1.5	Partly damaged houses (pucca+kutcha)	-
8.1.6	No. of huts, cowsheds,gharats , etc. damaged	992
8.2	Estimated value of damaged to houses	Rs. 15.27 Cr
9	No. of human lives lost	40
10	No. of persons who suffered grievous injuries	-
11	No. of persons who suffered minor injuries	-
12	Animal & Poultry loss	
12.1	No. of milch animal loss	70
12.1.1	Buffalo/cow/Camel/Yak	0
12.1.2	Sheep/Goat	66
12.1.3	Others (Indicate name) Yak	-
12.2	No. of Draught animals lost	0
12.2.1	Camel/Horse/Bull/ock	0
12.2.2	Calf/Donkey/Pony/Mule	-
12.2.3	Others (indicate Name)	-

Sl. No.	Item		Calamities
			Heavy rains leading to flashfloods and landslides
12.3	No. of Poultry birds lost		-
13	Damaged to public property		
13.1	Roads (All)	Length	12535 Km.
		Estimated loss (Rs. in lacs)	595.02 Cr
13.1.1	State Roads	Length	370 Km.
		Estimated loss (Rs. in lacs)	18.50 Cr
13.1.2	District Roads	Length	950 Km.
		Estimated loss (Rs. in lacs)	42.75 Cr
13.1.3	Village Roads	Length	11215 Km.
		Estimated loss (Rs. in lacs)	506.07
13.2	Bridges & Culverts	No.	6 & 270
		Estimated loss (Rs. in lacs)	27.70 Cr
13.2.1	Bridge	No.	6
		Estimated loss (Rs. in lacs)	16.50 Cr
13.2.2	Culverts	No.	270
		Estimated loss (Rs. in lacs)	11.20 Cr
13.3	Drinking water supply	No. of Schemes	2459
		Estimated loss (Rs. in lacs)	92.35 Cr
13.4	Irrigation sector, FPW and Sewerage	No. of Schemes	890
		Estimated loss (Rs. in lacs)	58.89 Cr

Sl. No.	Item		Calamities
			Heavy rains leading to flashfloods and landslides
13.5	Power Sector	No. of Schemes	-
		Estimated loss (Rs. in lacs)	69.66 Cr
13.6	Education Sector		
13.6.1	Primary Schools (Damaged/Destroyed)	No. of Schemes	0.10 Cr
		Estimated loss (Rs. in lacs)	
13.6.2	Middle Schools (Damaged/Destroyed)	No. of Schemes	
		Estimated loss (Rs. in lacs)	
13.6.3	High/Higher Secondary School (Damaged/Destroyed)	No. of Buildings	
		Estimated loss (Rs. in lacs)	
13.6.4	Other education institutes (Damaged/Destroyed)	No. of buildings	
		Estimated loss (Rs. in lacs)	
13.7	Health Sector	175 Institutions	
13.7.1	PHCs (Damaged/Destroyed)	No. of buildings	
		Estimated loss (Rs. in lacs)	
13.7.2	CHCs (Damaged/Destroyed)	No. of buildings	
		Estimated loss (Rs. in lacs)	
13.7.3	Other Buildings (Damaged/Destroyed) Community assets etc	No. of buildings	
		Estimated loss (Rs. in lacs)	3.02 Cr.
13.7.4	Animal husbandry buildings		0
13.7.5	Fisheries		1.00 Cr
	Total Estimated damage to Houses, Crops and public properties	Estimated loss (Rs. in Lacs)	862.14 Cr

**Statement Showing Item-wise details of expenditure incurred as per approved items and norms of
SDRF/NDRF (Rs in crore) in the financial year 2016-17.**

Co de 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 52.50 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: 12.34 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/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
(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. of Materials (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 23.60 Crores												
(a)	Fully damaged/destroyed Pucca houses												
	(i) As per SDRF/NDRF norms												
	(ii) Outside the norms												
	(ii) Number												
(b)	Fully damaged /destroyed Kutchha 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	47.30 Crores											
	(i) As per SDRF/NDRF norms												
	(iii) Cumulative length of roads repaired												
(b)	Drinking water supply and irrigation schemes	20.68 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)	3.60 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 23.50 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	0											
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. Rs. 7.00 Crore for Capacity Building as per SDRF guideliens.												
	(i)Number of training organized												
	(ii)Number of persons trained												
26	Procurement of essential search ,rescue and Evacuation equipments including Communication equipments												
	Cost of equipments procured												
	Gross Total(Crores)	Rs. 190.52 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: 2016-17 (Monsoon).

1. Opening balance at the beginning of the Month	:Rs. 1.0030 Cr
2. Releases during the Month, if any, from SDRF	:Rs. 190.52
2.1 Central Share	:Rs. 111.60+81.22*
2.2 State Share	:Rs. 24.80 Cr.
3. Release during the Month , if any, from SDRF	:Rs. 190.52 Cr
4. Interest on investments	:Rs. 0.0015 Cr
5. Total Availability of Funds(Sum of 1 to 4)	:Rs. 218.6245Cr
6. Expenditure incurred during the month	:Rs. 190.52 Cr
7. Closing balance at the end of month(5-6)	:Rs.28.1045 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	52.50 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												
	12.34 Crores												
(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 n 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.)												
	(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 23.60 Crores												
(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)	Kutcha 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 47.30 Crores												
(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 20.68 Crores												
	(i) as per SDRF/NDRF norms												
	(ii) outside the norms												
	(iii)Total of schemes	3201											
(c)	Irrigation As per Col (B) above.												
	(i) as per SDRF/NDRF norms												
	(ii) outside the norms												
	(iii) Total no. of schemes	1007											
(d)	Power(only limited to immediate restoration of electricity supply in 3.60 Crores												
	(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 23.50 Crores												
	(i) as per SDRF/NDRF norms												
	(ii) outside the norms												
	(iii)No of Community assets repaired												
11.	Procurement - 7.00 Crore for capacity building under SDRF guidelines.												
	Cost of equipments procured. --												
	Gross Total:- Rs. 190.52 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)

Details of Ordinary Repair & Periodical Renewal

i) Cost of O.R. taken as Rs. 1.00 lacs/ Km. including patch work, Pot hole, Repair and removal of slips etc.

ii) Cost of Periodical Renewal taken as Rs. 10 lacs/Kms for single lane road.

1. **FOR SHIMLA** COST OF (OR + PR)

Periodical Renewal length = 52 Kms.

Ordinary Repair length = 305 Kms.

Cost of PR+ OR = $52 \times .1 + 305 \times 1/100 = 8.25$ Crores

2. **FOR SOLAN**

Periodical Renewal length = 25 Kms.

Ordinary Repair length = 250 Kms.

Total Cost = 5Crores

3-5. **FOR SIRMOUR/ KINNOUR/ LAHAUL & SPITI**

Periodical Renewal length = 10 Kms.

Ordinary Repair length = 100 Kms.

Cost for each Distt. = 2 Crores

Total Cost = 6 Crores

6. **FOR MANDI**

Periodical Renewal length = 90 Kms.

Ordinary Repair length = 400 Kms.

Total Cost = 13 Crores

7. **FOR BILASPUR**

Periodical Renewal length = 30 Kms.

Ordinary Repair length = 150 Kms.

Total Cost = 4.50 Crores

8. **FOR HAMIRPUR**

Periodical Renewal length = 60 Kms.

Ordinary Repair length = 300 Kms.

Total Cost = 9 Crores

9. **FOR UNA**

Periodical Renewal length = 70 Kms.

Ordinary Repair length = 100 Kms.

Total Cost = 8 Crores

10. **FOR KANGRA**

Periodical Renewal length = 60 Kms.

Ordinary Repair length = 300 Kms.

Total Cost = 9 Crores

11. **FOR CHAMBA**

Periodical Renewal length = 55 Kms.
Ordinary Repair length = 500 Kms.
Total Cost = 10.50 Crores

12. **FOR KULLU**

Periodical Renewal length = 6.00 Kms.
Ordinary Repair length = 5.00 Kms.
Total Cost = 11 Crores
G. Total = 84.25 Crores

Details of Distt. wise Ordinary Repair (O.R.)& Periodical Renewal (P.R.) and Retaining Wall & Breast Wall (R/Wall & B/Wall) cost.

- i) Cost of O.R. taken as Rs. 1.00 lacs/ Km. including patch work, Pot hole, Repair and removal of slips etc.
- ii) Cost of Periodical Renewal taken as Rs. 10 lacs/Kms for single lane road.
- iii) Cost of R/ Wall & B/Wall taken as Rs.24,600/- per Rmt.

1. **FOR SHIMLA**

Periodical Renewal length = 400 Kms.
Ordinary Repair length = 1980 Kms.
R/Wall & B/Wall = 25500 Per Rmt.
Cost of PR+ OR+R/W & B/W = $400 \times 1 + 1980 \times 1/100 + 25500 \times 24,600/- = 122.52$ Crores

2. **FOR SOLAN**

Periodical Renewal length = 95 Kms.
Ordinary Repair length = 220 Kms.
R/Wall & B/Wall = 6500 Rmt.
Total Cost = 27.70 Crores

3-5. **FOR SIRMOUR/ KINNOUR/ LAHAUL & SPITI**

Periodical Renewal length = 130 Kms.
Ordinary Repair length = 315 Kms.
R/Wall & B/Wall = 4000 Rmt.
Total Cost = 25.97 Crores

6. **FOR MANDI**

Periodical Renewal length = 400 Kms.
Ordinary Repair length = 1540 Kms.
R/Wall & B/Wall = 14000 Rmt.
Total Cost = 89.84 Crores

7. **FOR BILASPUR**

Periodical Renewal length = 88 Kms.
Ordinary Repair length = 320 Kms.
R/Wall & B/Wall = 6600 Rmt.
Total Cost = 28.00 Crores

8. **FOR HAMIRPUR**

Periodical Renewal length = 110 Kms.
Ordinary Repair length = 500 Kms.
R/Wall & B/Wall = 6500 Rmt.
Total Cost = 31.63 Crores

9. **FOR UNA**

Periodical Renewal length = 85 Kms.
Ordinary Repair length = 400 Kms.
R/Wall & B/Wall = 4450 Rmt.
Total Cost = 23.41 Crores

10. **FOR KANGRA**

Periodical Renewal length = 250 Kms.
Ordinary Repair length = 1150 Kms.
R/Wall & B/Wall = 52000 Rmt.
Total Cost = 166.35 Crores

11. **FOR CHAMBA**

Periodical Renewal length = 120 Kms.
Ordinary Repair length = 1020 Kms.
R/Wall & B/Wall = 5300 Rmt.
Total Cost = 35.50 Crores

12. **FOR KULLU**

Periodical Renewal length = 75 Kms.
Ordinary Repair length = 400 Kms.
R/Wall & B/Wall = 2000 Rmt.
Total Cost = 16.40Crores
G. Total = 567.32 Crores

PREVAILING DEPARTMENTAL NORMS/ RATES.

Class	Dia	Unit	Rate
Excavation, providing , Light laying , jointing & testing of GI pipes, dia.	15mm	Rmt	188.20
-do-	20 mm do	-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 , Light laying , jointing & testing of MSERW pipes, dia.	15mm	Rmt	188.20
-do-	150 mm	-do-	2810.00
-do-	200mm	-do-	3800.00
-do-	300mm	-do-	7000.00

DI Pipes

-do-	150 mm	-do-	2200.00
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-do-	200mm	-do-	3600.00
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-do-	300mm	-do-	4570.00
------	-------	------	----------------

Removal of slip		Per Cum	100.00
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<u>Intake Works</u>	1No.	Per Sqmt.	8000
U/G Storage Tanks	1	Ltr	6.75
Head Weir	1	L.S	30,000
Rewinding/Repair of Motors	HP	HP	600.00

Superintending Engineer (Works)
IPH Department.

Engineer-in-Chief,
IPH Department.

DAMAGES OCCURRED TO ELECTRICAL INFRASTRUCTURE HT / LT DISTRIBUTION SYSTEM IN RESPECT OF HPSEB L
TO AUGUST, 2016

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+ 13)	Nat
3	4	5	6	7	8	9	10	11	
0.5	13.75	378.00	0.5	189	1943	0.04	77.72	280.47	Pujara Shilli K Baghi, Rohal, Kufari, {Chopa etc.
0.5	8.375	123.89	0.5	61.945	342	0.04	13.68	84.00	Rakht Khab, S Peo, M Surehu Rachla Ramni,
0.5	4.435	53.97	0.5	26.985	511	0.04	20.44	51.86	Arki, S Solani Dharar manga
0.5	9.75	115.6	0.5	57.8	308	0.04	12.32	79.87	Tippar Panjar, Kunda, Vikram Rainlig
0.5	132.755	1236.85	0.5	618.425	5614	0.04	224.56	975.74	Nihri, S Gohar, Kharba
0.5	136.625	1849.25	0.5	924.625	7435	0.04	297.4	1358.65	Jabli, C Manali

8	246.90	0.5	123.45	1088	0.04	43.52	1
55	1602.75	0.5	801.375	10627	0.04	425.08	1
35	589.65	0.5	294.825	2071	0.04	82.84	2
3	1389	0.5	694.5	6175	0.04	247	1
1	480.3	0.5	240.15	2677	0.04	107.08	2
12	824.44	0.5	412.22	4276	0.04	171.04	6
84			4445.3			1722.68	6

Annexure – IV

No:MC/SLN/ 2016- 1923
Office of the Municipal Council
Solun.Dated the 17 June, 2016.

To

The Deputy Commissioner,
Solun.Distt.Solan.HP.

Subject:-

Requirement of Funds under natural Calamity Relief Fund due to heavy rain on 16.06.2016.

Sir,

Please find enclosed a list of Rain damages occurred during heavy rain on 16.06.2016 for your kind perusal and approval of fund.

Sr.no.	Item/Name of Damages	Ward no.	Amount
1.	Restoration of Rain damage of Nalla in Uday Vihar near house of Sh.P.R.Sharma.	1	3,00,000=00
2.	Restoration of Rain damage of path Gautam Budh Vihar in ward no.1	1	3,00,000=00
3	Restoration of Rain damage at Nalla near Dr.Meenu Clinic Adarsh Vihar Colony.	1	2,50,000=00
4	Restoration of Rain damage Nalla in between boundary of nalla ward no.2 & 3	2&3,	5,00,000=00
5.	Restoration of Nalla near Durga Club in ward no.9.	9	4,00,000=00
6	Restoration & Rain damage of nalla in Madhyban Colony in ward no.10.	10	9,00,000=00
7.	Restoration of Rain damage of path & drain in ward no.6 near Shiv Mandir.	6	5,00,000=00
8	Restoration of Rain damage of nalla path & drain in Housing Board phase-I&II in w.n.14	14	5,00,000=00
9.	Restoration of Rain damage of drain in Punjvilla Road in ward no.7	7	2,00,000=00
10.	Restoration of rain damage of drain on Jaunaji Road near Gaytri Devi house in w.n.8	8	1,50,000=00
11	Restoration of Rain damage of Shoolini Nagar near The house of Mohan Lal.	8	1,00,000=00
12.	Restoration of Rain damage of nalla Shoolini Matta Mandir in w.n.8.	8	4,00,000=00
13.	Restoration of Rain damage of drain & nalla Retaining wall in w.n.6	6	4,00,000=00
14.	Restoration of rain damage of nalla Shakatinagar to Naroh in ward no.8	8	2,00,000=00
15	Restoration of rain damage drain & path in ward no.2.	2	3,00,000=00
16.	Restoration of Rain damage of nalla & drain in ward no.11.	11	5,00,000=00
17.	Restoration of rain damage of nalla behind D.C.office to Dhobigha t in ward no.12.	12	5,00,000=00
18.	Restoration of Rain damage of road in R/wall at Subash Chander Marg in w.n.13	13	5,00,000=00
19.	Restoration of Rain damage of Nalla near Degree College Vivekananad Vihar in w.n.15.	15	5,00,000=00
Total:			74,00,000=00

Executive Officer
Municipal Council
Solun (H.P.)

No:MC/SLN/ 2016- 4270
Office of the Municipal Council
Solun.Dated the 10 Aug, 2016.

To

The Deputy Commissioner,
Solun.Distt.Solun.H.P.

Subject:- **Requirements of funds under natural calamity Relief fund due to heavy rain on 7.8.2016.**

Sir,

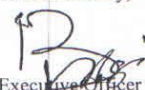
In continuation of this office letter no.MC/SLN/2016-1923 dated 12.6.2016.
Please fund here under the damages accure due to heavy rain on 7.8.2016.

<u>Sr.no.</u>	<u>Item/Name of work</u>	<u>Ward no.</u>	<u>Amount</u>
1.	Restoration of Rain Damages of R/wall near Gate Phase-II.	14	2,00,000=00
2.	Restoration of Rain Damages near BSNL Colony Phase-II.	14	2,00,000=00
3.	Restoration of path near CJM residence Solan (SH: Re construction of path& R/wall.	12	5,50,000=00
→4.	C/o R/wall Near D.C.Office Solan .	12	53,772=00
5.	Damage of R/wall near Block no.9 Phase-II.	14	1,50, 000=00
6.	Damage of R/Wall Near Tar Factory behind New constructed Appartment.	1	2,00,000=00
7.	Restoration of Nalla D.C.Office to Upreti House .	12	2,00,000=00
8.	Restoration of Nalla Aninder House to Kalsi House .	12	2,00,000=00
9.	Restoration of Nalla Guleria House to Nand Lal Tanwar House.	12	6,00,000=00

Total: Rs: 235,772=00

Am am
b/8/16
Eb

Yours faithfully,


Executive Officer
Municipal Council
Solun.H.P.

No.MC. PWN / 2016- 110070101 Dated: - 30-6-16

Office of the Municipal Council,
Parwanoo, Distt. Solan (H.P)
Dated Parwanoo the :-

From

The Executive Officer,
Municipal Council,
Parwanoo.

To

The Deputy Commissioner,
Solan Distt. Solan (H.P)

Sub:-

List of damages caused due to heavy rain 2016.

Sir,

Kindly refer to the list showing damages occurred during heavy monsoon dated 14-06-2016 to property of Municipal Council Parwanoo is attached herewith for favor of information and necessary action please.

S.NO	NAME OF PLACE / WHERE DAMAGE OCCURRED	ESTIMATED COST APPORXI
1	Repair and Restoration of Road back side of M/S Chemiplast Factory towards M/s Purnima Feed Factory Sector-1 Parwanoo	2,00000-00
2	Repair and Restoration of main road near Divya sales Sector-1 Parwanoo. (Sub Head:- to protect the culvert and Retaining wall at Nallaha)	2,00000-00
3	Repair and Restoration of Road Infront of LIG-129 towards LIG -120 Sector-1 Parwanoo	2,25000-00
4	Repair and Restoration of Road Working women Hostel towards Him Giri Temple Sector-1 Parwanoo	3,00000-00
5	Repair and Restoration of Road near EWS Residential Blocks No.10 Sector-1 Parwanoo	2,50000-00
6	Repair and Restoration of road and drain M/s Indicon Software Ind Plot No.17 towards M/s Ready Bakes Industrial Plot No.30 Sector-1 Parwanoo.	8,00000-00
7	Repair and Restoration of Road / sewerage Line / drain Industrial Plot No. 27 Sector-2	10,00000-00

	Parwanoo	
8	Repair and Restoration of Main road Gabriel towards M/s Kamal Enterprises Sector-2 Parwanoo	2000000-00
9	Repair and Restoration of Road and drain from main road NH-22 towards HPMC Juice Plant Sector-2 Parwanoo.	35,00000-00
10	Repair and Restoration of Road and Nallaha back side of Sh. Arvind Jaitely HIG House No.16-A Sector-3 Parwanoo (Sub Head:- Providing and laying hume pipe).	8,00000-00
11	Repair and Restoration of road in front of block No. 15 Sector-4 Parwanoo. (Sub Head:- Retaining wall)	10,00000-00
12	Repair and Restoration of main road hill side near Block No. 16 towards Shiv Temple Turn Sector-4 Parwanoo (Sub Head:- Retaining wall)	2500000-00
13	Repair and restoration of Road /path In front of Block No.5:Sector-4 Parwanoo. (Sub Head ; - Retaining wall at Nallaha)	5,00000-00
14	Repair and restoration of Road /path In front of Block No.6 Sector-4 Parwanoo. (Sub Head ; - Retaining wall at Nallaha)	5,00000-00
5	Repair and restoration of Road /path In front of Block No.26 Sector-4 Parwanoo. (Sub Head ; - Retaining wall at Nallaha)	8,00000-00
6	Repair and Restoration of Sewerage Line and Sewerage Tank back side of block No. 5 at Nallaha Sector-5 Parwanoo.	7,00000-00
7	Repair and Restoration of road in front of block No. 2 Sector-6 Parwanoo.(Sub Head : Retaining wall)	8,00000-00
3	Repair and Restoration of Road in front of block No. 5, 6 Sector-6 Parwanoo. (Sub Head :- Retaining wall)	8,00000-00
	Repair and Restoration of Road back side of block No. 64 Sector-6 Parwanoo (Sub Head	5,00000-00

	:- Retaining wall)	
20	Repair and Restoration of Road opposite M/s Negi Petrol Pump Sector-6 Parwanoo (Sub Head:- Retaining wall to protect the culvert.)	6,00000-00
21	Repair and Restoration of main Road opposite Block No.43 towards Silver Rock Block Sector-6 Parwanoo (Sub Head:- Retaining wall)	1800000-00
22	Repair and Restoration of main Road opposite Block No.19 towards Block No. 22 Sector-6 Parwanoo (Sub Head:- Retaining wall)	2500000-00
	Total Amount Rs.	2,047,5000-00

Yours Faithfully,


Executive Officer,
Municipal Council,
Parwanoo.

Dated:

Endst. No.MC. PWN / 2016-

Copy forwarded to:-

1. The Director, Urban Development Shimla for information please.

Executive Officer,
Municipal Council,
Parwanoo.

News paper cuttings and photographs of Damages during Monsoon, 2016



HIMACHAL PRADESH

The Tribune

CHANDIGARH | FRIDAY | 25 JULY 2016

Heavy rain lashes Paonta, Nahan; roads damaged in Chamba

THOMAS RAGHOBAN

MODERATE to heavy rains occurred in several areas of Himachal as monsoons resumed normal in the region and dry temperatures dropped marginally. In spite of evening of heavy rains in isolated places, rainfall was normal during the day. Paonta Sahib recorded the highest rainfall at 87 mm while Arni and Nahan recorded 59 mm and 22 mm respectively. Shimla 46 mm, Kufri and Mandi 18 mm each, Juharhatti 12 mm, Dharamkot 11 mm, Aglar 8 mm and Manali 7 mm.

Over the 24 hours in the region with the maximum temperature of 34.3 degree, while Shimla recorded a high of 34.8 degree followed by Dharamkot 34.8 degree and Shudhargar 33.5 degree.

The local Met office has predicted rain or thunder showers at every place in the region and higher hills over the next 48 days.

CHAMBA: The Chamba-Garhwal road and the Chamba-Chamba road in the

Tourists take a stroll in the evening after a foggy weather after heavy rain in Shimla on Thursday night. (AP Photo)

बारािश का कहर, सहम गया श

चम्बा: चम्बा में बारािश की वजह से चम्बा-गढ़वाल रोड और चम्बा-चम्बा रोड में भारी नुकसान हो गया है। चम्बा में बारािश की वजह से चम्बा-गढ़वाल रोड और चम्बा-चम्बा रोड में भारी नुकसान हो गया है।

कैयू में डंगा गिरने से घंसी सड़क, आपदा बन बरस रहे मेघ

राजधानी में 65.2 मिलीमीटर मौरस विभाग का पूर्वानुमान, दो दिन और चलेगा ब

चम्बा में बारािश की वजह से चम्बा-गढ़वाल रोड और चम्बा-चम्बा रोड में भारी नुकसान हो गया है। चम्बा में बारािश की वजह से चम्बा-गढ़वाल रोड और चम्बा-चम्बा रोड में भारी नुकसान हो गया है।

12 अगस्त, 2016

हिमाचल में बरसात का रौद्र

मलाणा में बाढ़ करोड़ का नुकसान

रोहतांग-सिन्धु सड़क बंद, पर्यटकों से भंडाराकर्मी चले

प्रदेश में 68

विभाग - हिमाचल प्रदेश में गण्डक-जगदी घाट नुकसान हुआ है, चम्बा-गढ़वाल रोड और चम्बा-चम्बा रोड में भारी नुकसान हो गया है। चम्बा में बारािश की वजह से चम्बा-गढ़वाल रोड और चम्बा-चम्बा रोड में भारी नुकसान हो गया है।



2

अमर उजाला

हमारा हिमाचल

हिमाचल की ताज़ा खबरें और विशेष रिपोर्टें
 हिमाचल की ताज़ा खबरें और विशेष रिपोर्टें

शीतल 10 फरवरी 2018

हिमाचल की ताज़ा खबरें और विशेष रिपोर्टें

मूसलाधार बारिश से सड़कें ठप, नदियां उफान पर

70 सड़कें बंद, आधे रास्ते से होट रहीं एचआरटीसी बसें
भरमौर और सुल्तान के बाड़ी बाँध में फंसे, कई घंटे में दूर
लोक निर्माण विभाग ने कार्यवाही की सुनिश्चिती की

चंबा में बहते दो पुल, कार्तिक स्वामी मंदिर में फंसे श्रद्धालु

चंबा में बहते दो पुल, कार्तिक स्वामी मंदिर में फंसे श्रद्धालु

चंबा में बहते दो पुल, कार्तिक स्वामी मंदिर में फंसे श्रद्धालु

कुल्लू में हवाच पर फेट मलिन से कई घंटे काटाया बंद

कुल्लू में हवाच पर फेट मलिन से कई घंटे काटाया बंद

कुल्लू में हवाच पर फेट मलिन से कई घंटे काटाया बंद

हमौर

हमौर में बारिश से सड़कें ठप, नदियां उफान पर

खड़ा पत्थर के पास दलदल बन गई त्रियोग-रोहड़ू सड़क

खड़ा पत्थर के पास दलदल बन गई त्रियोग-रोहड़ू सड़क

खड़ा पत्थर के पास दलदल बन गई त्रियोग-रोहड़ू सड़क

मंडी

मंडी में बारिश से सड़कें ठप, नदियां उफान पर

2

अमर उजाला

हमारा हिमाचल

बारिश का कहर; 3 की मौत, 14 घायल

शीतल 10 फरवरी 2018

हिमाचल की ताज़ा खबरें और विशेष रिपोर्टें

कांगड़ा में चलती बस पर गिरा लुहासा • शिमला में मजदूर दबा • विलासपुर में छात्र दबा, बंदी में बह गया

कांगड़ा में चलती बस पर गिरा लुहासा • शिमला में मजदूर दबा • विलासपुर में छात्र दबा, बंदी में बह गया

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अमर उजाला

अमर उजाला में बारिश से सड़कें ठप, नदियां उफान पर

बड़ी टुकल के दो दर्जन छात्र फंसे रहे उपग्रह में, मंडी में दो छात्र दबा

बड़ी टुकल के दो दर्जन छात्र फंसे रहे उपग्रह में, मंडी में दो छात्र दबा

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