

Govt. of West Bengal

Report on Flood & Heavy Rainfall in July-August



Prepared by
**Department of
Disaster
Management
&
Civil Defence**

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REPORT ON THE RECENT FLOODS IN GANGETIC WEST BENGAL 2017-18

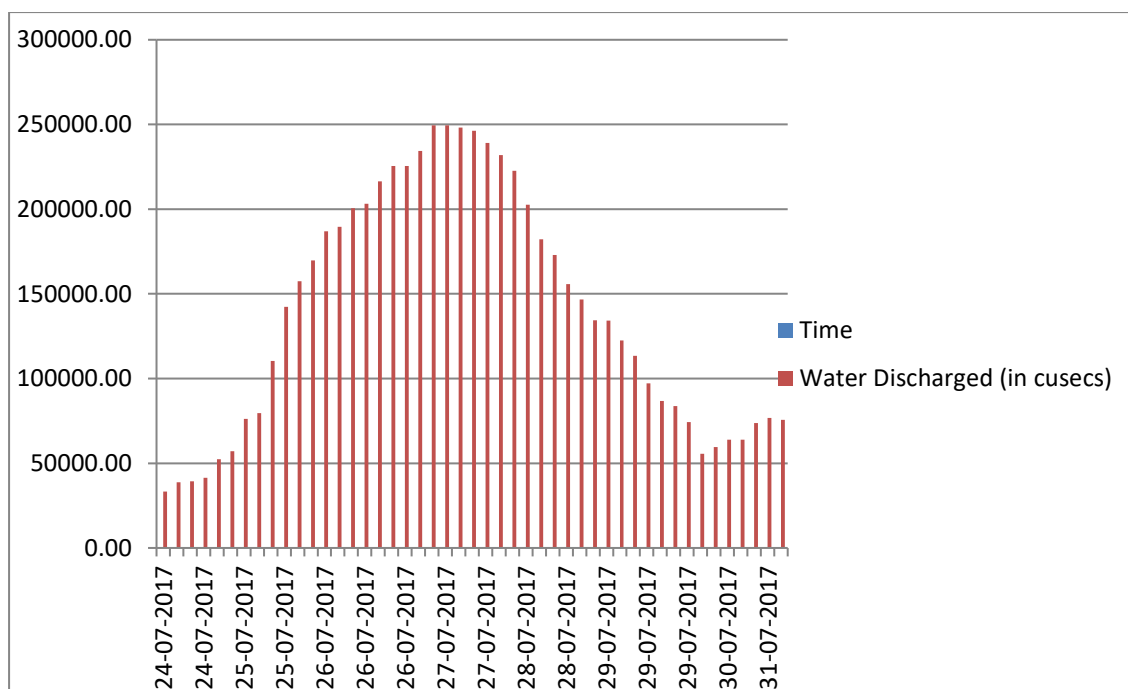
BACKGROUND

The monsoon this year started as per schedule in mid-June. During the month of July however, it was noted that the overall rainfall was on an average 50% more than what was its average monthly rainfall for July while in North Bengal most of districts barring Darjeeling were deficient in rainfall to the extent of upto 50% of the average monthly rainfall for July! Most of the South Bengal districts had suffered from water-logging due to the excessive rainfall.

A monsoon trough ran through the centre of the low pressure system and over Jharkhand and Gangetic West Bengal during the period. Under its influence southwest monsoon was active to vigorous over Gangetic West Bengal and Jharkhand during 20th to 26th July 2017 resulting in widespread rainfall with heavy to very heavy rainfall accompanied with isolated extremely heavy rainfall over the region.

The Durgapur barrage under the DVC system started releasing more water from 24/07/2017 which reached a peak of 2,49,500 cusecs. This led to inundation of a large area in the districts of Paschim Medinipur, Howrah, Hooghly, Bankura and Purba Bardhaman and a huge number of people became stranded and needed rescue, evacuation and temporary rehabilitation

The **dam discharge from Durgapur Barrage** is given below:



The extent of the discharge was such that it ranks very high compared to previous floods and the only reason that a more extensive flooding did not take place was the work done by the Irrigation Dept. in the lower channels of the River Damodar to free them from the accumulated silt and the lower tidal action in River Hooghly as the last New Moon had been on 23rd July.

YEAR	PEAK DISCHARGE FROM DURGAPUR BARRAGE IN CUSECS
1978	3,79,000
1995	3,04,000
2009	3,11,000
2017	2,49,450

Rainfall Analysis :

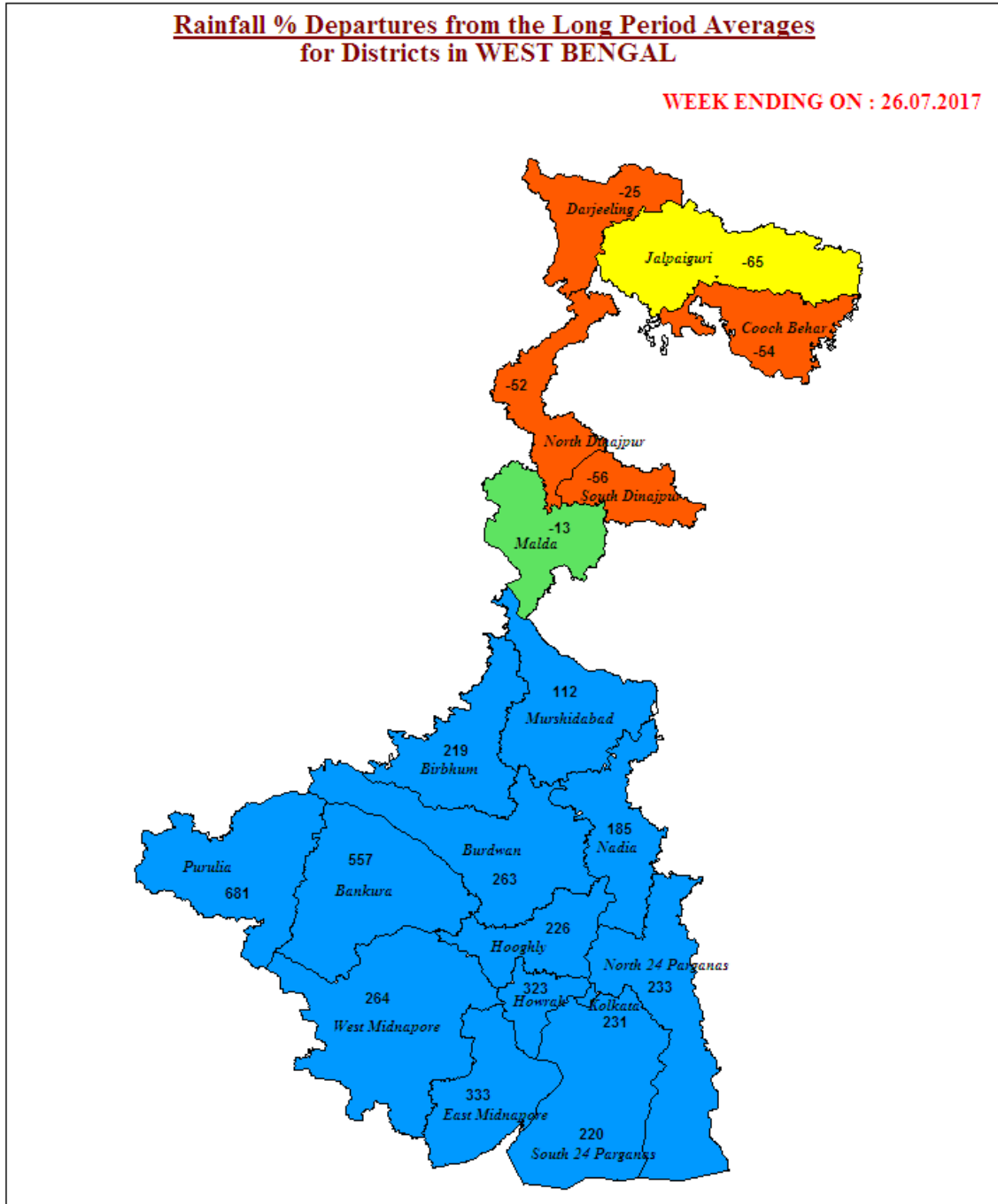
Rainfall information for the district of South Bengal during the period from 21st to 26th July of 2014 to 2017.

A	Name of affected district	Rainfall (mm) during the calamity			Rainfall (mm) during the corresponding period in the last three years								
					Last year			Year before last year			Two years before last years		
		21.7.2017 to 26.7.2017			21.7.2016 to 26.7.2016			21.7.2015 to 26.7.2015			21.7.2014 to 26.7.2014		
		A	N	D	A	N	D	A	N	D	A	N	D
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	BANKURA	406.6	60	578	68	60	13	82.4	60	37	22.7	60	-62
2	BIRBHUM	204.5	60.3	239	66.6	60.3	11	192.3	60.3	219	61.1	60.3	1
3	E+W BURDWAN	221.6	56.3	294	43.1	56.3	-24	93.6	56.3	66	59.3	56.3	5
4	EAST MIDNAPORE	232	57.8	301	94.3	57.8	63	133.5	57.8	131	77.4	57.8	34
5	HOOGLY	210.8	62	240	73.9	62	19	120.3	62	94	51.6	62	-17
6	HOWRAH	270.7	61.7	339	125.8	61.7	104	167.3	61.7	171	41.7	61.7	-32
7	KOLKATA	209.7	68.2	207	129	68.2	89	94.4	68.2	38	28.8	68.2	-58
8	MURSHIDABAD	142.2	67.1	112	40.9	67.1	-39	204.4	67.1	205	54.6	67.1	-19
9	NADIA	181	61.4	195	58.6	61.4	-5	92.4	61.4	51	33.9	61.4	-45
10	NORTH 24 PARGANAS	220.1	63.9	245	102.9	63.9	61	66.4	63.9	4	86.5	63.9	35
11	PURULIA	363.1	43.3	739	57.4	43.3	32	51.6	43.3	19	39.7	43.3	-8

12	SOUTH 24 PARGANAS	288.1	94	206	98.1	94	4	126.1	94	34	80.2	94	-15
13	JHARGRAM+WEST MIDNAPORE	254.7	61.9	312	99.6	61.9	61	107.2	61.9	73	35.8	61.9	-42

Rainfall Map of West Bengal for 20-26.07.2017

**INDIA METEOROLOGICAL DEPARTMENT
RMC KOLKATA**



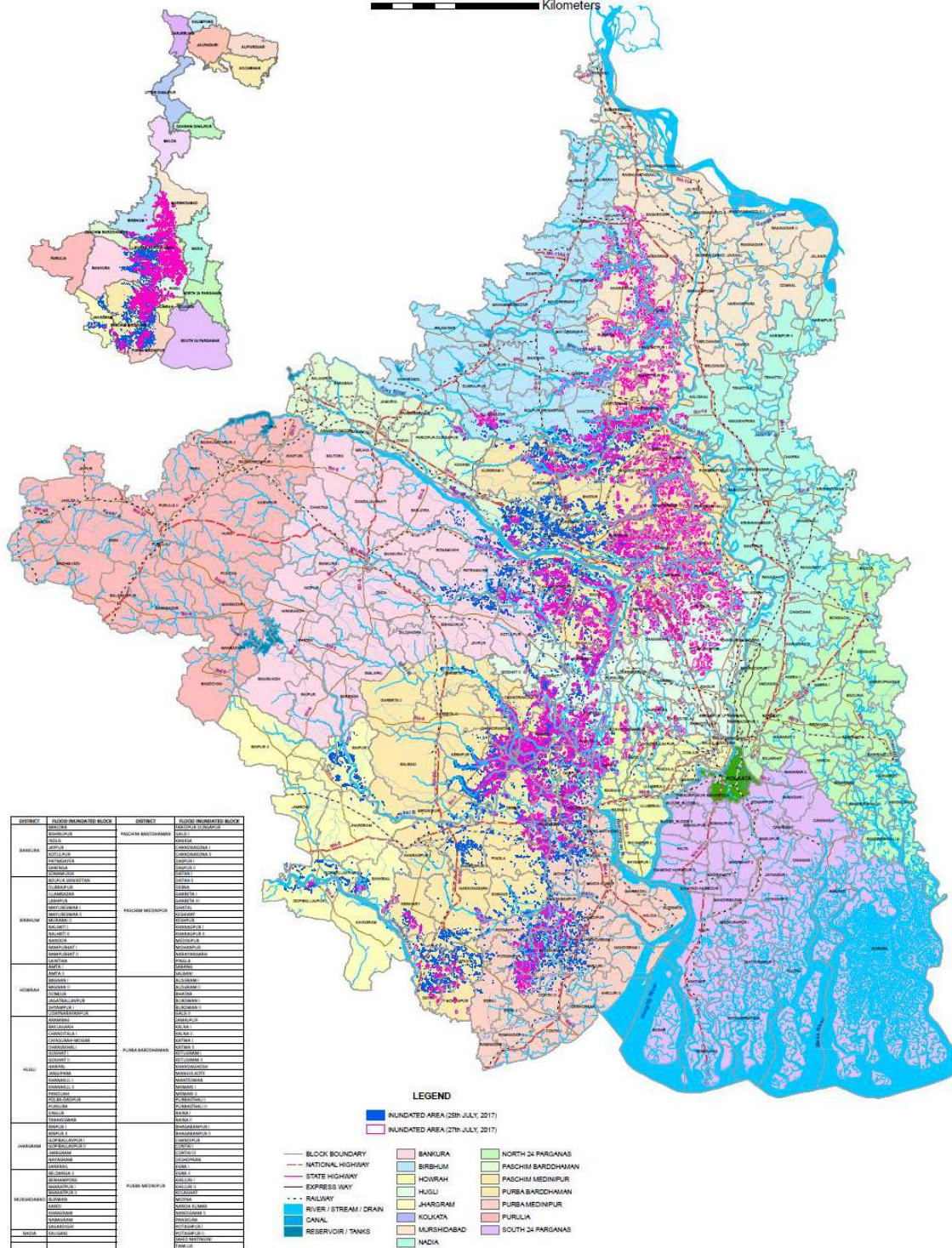
LEGEND: ■ L. EXCESS (+60% OR MORE) ■ EXCESS (+20% TO +59%) ■ NORMAL (+19% TO -19%)
 ■ DEFICIENT [-20% TO -59%] ■ L. DEFICIENT [-60% TO -99%] ■ NO RAIN (-100%) ■ NO DATA

Satellite Flood Map showing inundated areas of West Bengal

West Bengal Floods - July, 2017



Source :
 Satellite Data - Sentinel 1A (25th July,17)
 Satellite Data - Radarsat 2 SAR (27th July,17)



DISTRICT	BLOCK/UNION/TEHSIL	DISTRICT	BLOCK/UNION/TEHSIL
BANKURA	BARHAR	PURBA BARDHAMAN	BARHAR
	BARHAR		BARHAR
	BARHAR		BARHAR
	BARHAR		BARHAR
	BARHAR		BARHAR
	BARHAR		BARHAR
	BARHAR		BARHAR
	BARHAR		BARHAR
	BARHAR		BARHAR
	BARHAR		BARHAR
BIRBHUM	BARHAR	PURBA MEDINIPUR	BARHAR
	BARHAR		BARHAR
	BARHAR		BARHAR
	BARHAR		BARHAR
	BARHAR		BARHAR
	BARHAR		BARHAR
	BARHAR		BARHAR
	BARHAR		BARHAR
	BARHAR		BARHAR
	BARHAR		BARHAR
HUGLI	BARHAR	PURBA MEDINIPUR	BARHAR
	BARHAR		BARHAR
	BARHAR		BARHAR
	BARHAR		BARHAR
	BARHAR		BARHAR
	BARHAR		BARHAR
	BARHAR		BARHAR
	BARHAR		BARHAR
	BARHAR		BARHAR
	BARHAR		BARHAR
JHARSHUK	BARHAR	PURBA MEDINIPUR	BARHAR
	BARHAR		BARHAR
	BARHAR		BARHAR
	BARHAR		BARHAR
	BARHAR		BARHAR
	BARHAR		BARHAR
	BARHAR		BARHAR
	BARHAR		BARHAR
	BARHAR		BARHAR
	BARHAR		BARHAR
MURSHIDABAD	BARHAR	PURBA MEDINIPUR	BARHAR
	BARHAR		BARHAR
	BARHAR		BARHAR
	BARHAR		BARHAR
	BARHAR		BARHAR
	BARHAR		BARHAR
	BARHAR		BARHAR
	BARHAR		BARHAR
	BARHAR		BARHAR
	BARHAR		BARHAR

LEGEND
 ■ INUNDATED AREA (25th JULY, 2017)
 ■ INUNDATED AREA (27th JULY, 2017)

- BLOCK BOUNDARY
- NATIONAL HIGHWAY
- STATE HIGHWAY
- EXPRESS WAY
- - - RAILWAY
- RIVER / STREAM / DRAIN
- CANAL
- RESERVOIR / TANKS
- BANKURA
- BIRBHUM
- HOWRAH
- HUGLI
- JHARSHUK
- KOLKATA
- MURSHIDABAD
- NADIA
- NORTH 24 PARGANAS
- PASCHIM BARDHAMAN
- PASCHIM MEDINIPUR
- PURBA BARDHAMAN
- PURBA MEDINIPUR
- PURULIA
- SOUTH 24 PARGANAS

Source : Satellite Data provided by NRSC, ISRO, DOS, GOI.
 Composed and prepared by Geo-Informatics and Remote Sensing Cell, Department of Higher Education,
 Science and Technology and Biotechnology, Govt. of West Bengal

Brief note on flood in Uttar Dinajpur, Dakshin Dinajpur and Malda

Heavy rainfall occurred in the catchment areas of rivers namely Mahananda, Nagar, Kulik, Fulahar, Tangon, Jamuna and Punarbhaba in the abovesaid districts during 8th August to 13th August 2017, ranging from 300mm to 401mm, which was around 20% of the average annual rainfall. There was also occurrence of almost simultaneous heavy to very heavy rainfall in the upper and adjoining catchment in Bihar, Nepal and also Bangladesh. The combined effect of these run-off discharge overburdened the rivers, particularly in the downstream reaches and affected Uttar Dinajpur, Dakshin Dinajpur and Malda Districts. Most of the rivers crossed Extreme Danger Level (EDL) during the period 13-14 August, some reached at Danger Level (DL) and affected vast areas in Islampur, Goalpokhor I & II, Kaliaganj, Raigunj, Karandighi and Itahar Blocks in Uttar Dinajpur, Kushmandi, Tapan, Bansihari, Balurghat and Gangarampur Blocks in Dakshin Dinajpur and Chanchal I & II, Ratua-II, Harishchandrapur, Old Malda, Manikchak and Kaliachak-III Blocks and Englishbazar Municipality in Malda. At present all the rivers except Aatreyee in Dakshin Dinajpur, Mahananda at Malda and Ganga at Malda are falling slowly and such trend is likely to continue. Widespread damage to embankments including breaches at a few places has taken place in these districts. Most of the areas are still waterlogged. Preliminary estimated cost of restoration of damage to irrigation embankments and appurtenant structures in the 3 districts is estimated to Rs.36.61 crore.

DATEWISE DATA OF RAINFALL (in m.m.) IN PLACES OF NORTH BENGAL

Name of the District	Location of Rain Gauge Station	09-08-2017	10-08-2017	11-08-2017	12-08-2017	13-08-2017	Total Rainfall for 5 days
Alipurduar	Barabisha	89.6	141.4	138.6	441.0	136.8	947.4
	Alipurduar	70.4	255.2	132.8	390.0	86.2	934.6
Coochbehar	Mathabhanga	121.8	129.6	152.8	189.4	50.0	643.6
	Coochbehar	141.4	106.3	246.6	233.2	48.6	776.1
	Tufangunj	73.4	191.8	430.2	248.2	87.8	1031.4
Dakshin Dinajpur	Balurghat	29.6	89.0	44.8	54.6	42.0	260.0
	Gangarampur	3.0	42.5	22.0	110.5	200.0	378.0
Jalpaiguri	Malbazar	12.6	25.3	137.5	215.3	112.2	502.9
	Jalpaiguri	15.4	128.7	77.6	295.2	50.8	567.7

Name of the District	Location of Rain Gauge Station	09-08-2017	10-08-2017	11-08-2017	12-08-2017	13-08-2017	Total Rainfall for 5 days
	Banarhat	21.0	63.0	165.0	216.0	113.0	578.0
	Mainaguri	5.0	155.0	65.0	170.0	61.0	456.0
	Hasimara	29.8	94.0	176.4	565.0	66.2	931.4
Malda	English Bazar	0.2	46.3	59.7	102.0	39.0	247.2
Uttar Dinajpur	Islampur	46.3	56.2	62.5	85.3	82.4	332.7
	Raigunj	0.0	9.0	68.0	158.0	143.6	378.6

Rainfall information for the district of South Bengal during the period from 10th to 14th August of 2014 to 2017

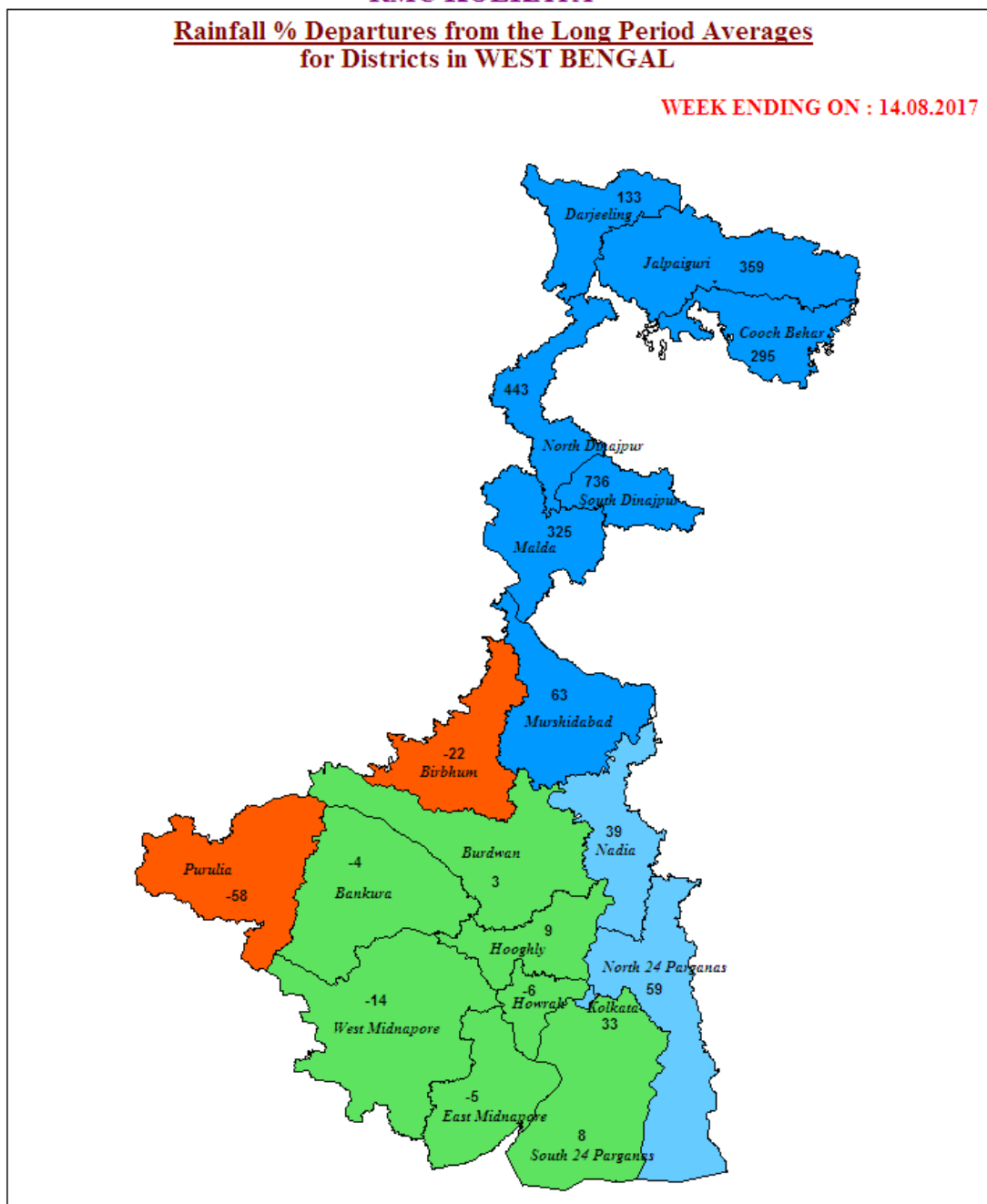
A	Name of affected district	Rainfall (mm) during the calamity			Rainfall (mm) during the corresponding period in the last three years								
					Last year			Year before last year			Two years before last years		
		10.8.2017 to 14.8.2017			10.8.2016 to 14.8.2016			10.8.2015 to 14.8.2015			10.8.2014 to 14.8.2014		
		A	N	D	A	N	D	A	N	D	A	N	D
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	COOCH BEHAR	673.5	180.3	274	15.3	180.3	-92	31.2	180.3	-83	129.7	180.3	-28
2	JALPAIGURI + ALIPURDUAR	625	127.7	389	27.1	127.7	-79	110.9	127.7	-13	138.2	127.7	8
3	MALDA	263.7	47.1	460	49.2	47.1	5	13.1	47.1	-72	48	47.1	2
4	NORTH DINAJPUR	390	61.9	530	10.7	61.9	-83	30.8	61.9	-50	54.4	61.9	-12
5	SOUTH DINAJPUR	404.5	39.3	929	1.8	39.3	-95	11.9	39.3	-70	38.9	39.3	-1

Rainfall Map of West Bengal for 10.8.2017 to 14.8.2017

INDIA METEOROLOGICAL DEPARTMENT
RMC KOLKATA

Rainfall % Departures from the Long Period Averages
for Districts in WEST BENGAL

WEEK ENDING ON : 14.08.2017



LEGEND: ■ L. EXCESS (+60% OR MORE) ■ EXCESS (+20% TO +59%) ■ NORMAL (+19% TO -19%)
 ■ DEFICIENT (-20% TO -59%) ■ L. DEFICIENT (-60% TO -99%) ■ NO RAIN (-100%) ■ NO DATA

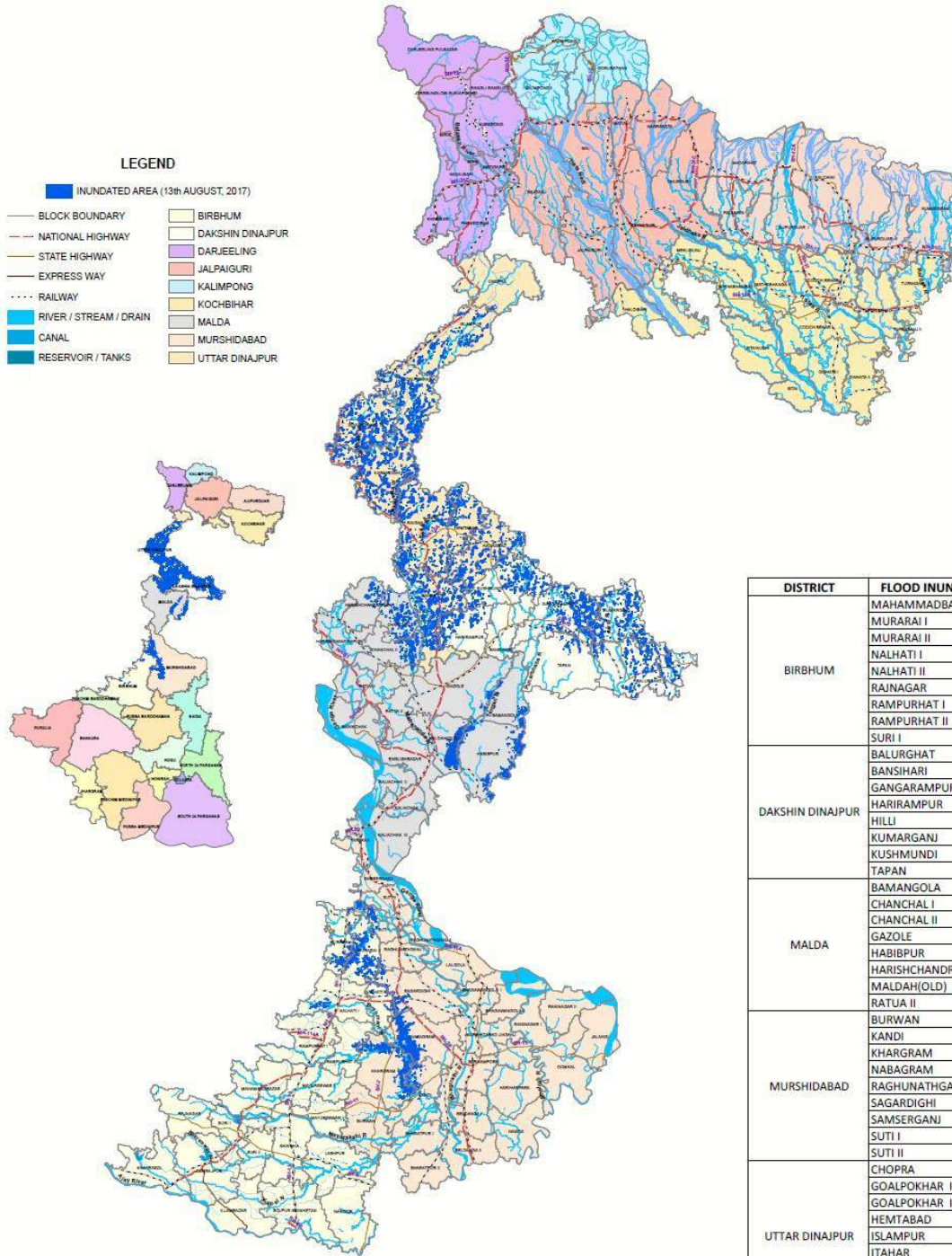
West Bengal Floods - August, 2017

Source : Satellite Data - Radarsat 2 SAR (13th August,2017)



LEGEND

- INUNDATED AREA (13th AUGUST, 2017)
- BLOCK BOUNDARY
- NATIONAL HIGHWAY
- STATE HIGHWAY
- EXPRESS WAY
- RAILWAY
- RIVER / STREAM / DRAIN
- CANAL
- RESERVOIR / TANKS
- BIRBHUM
- DAKSHIN DINAJPUR
- DARJEELING
- JALPAIGURI
- KALIMPONG
- KOCHBIHAR
- MALDA
- MURSHIDABAD
- UTTAR DINAJPUR



DISTRICT	FLOOD INUNDATED BLOCK
BIRBHUM	MAHAMMADBAZAR
	MURARAI I
	MURARAI II
	NALHATI I
	NALHATI II
	RAJNAGAR
	RAMPURHAT I
	RAMPURHAT II
	SURI I
	DAKSHIN DINAJPUR
BANSHIHARI	
GANGARAMPUR	
HARIRAMPUR	
HILLI	
KUMARGANJ	
MALDA	KUSHMUNDI
	TAPAN
	BAMANGOLA
	CHANCHAL I
	CHANCHAL II
	GAZOLE
	HABIBPUR
	HARISHCHANDRAPUR I
MURSHIDABAD	MALDAH(OLD)
	RATUA II
	BURWAN
	KANDI
	KHARGRAM
	NABAGRAM
	RAGHUNATHGANJ I
	SAGARDIGHI
	SAMSERGANJ
	UTTAR DINAJPUR
SUTI II	
CHOPRA	
GOALPOKHAR I	
GOALPOKHAR II	
HEMTABAD	
ISLAMPUR	
ITAHAR	
KALIAGANJ	
KARANDIGHI	
RAIGANJ	

Source : Satellite Data provided by NRSC, ISRO, DOS, GOI.
 Composed and prepared by Geo-Informatics and Remote Sensing Cell, Department of Higher Education,
 Science and Technology and Biotechnology, Govt. of West Bengal

RESPONSE

The situation was closely monitored by the Chief Minister and the Chief Secretary with all the District Magistrates and SPs of the affected districts. Besides, the status of every flood affected district was monitored daily by the Chief Secretary with the Home Secretary and the Principal Secretaries of major Departments and necessary instructions were issued. Relief materials and funds were sent to the districts on daily basis as per the requirements of the districts and there was no shortfall. The status of every district was monitored through the State Emergency Operation Centre operating 24X7 with all the strength and maintained close liaison with all the Departments, district EoCs. The entire district administration from the DM to the BDOs and support staff, Panchayats and police administration starting with the SP, Addl. SPs, SDPOs, IC/OCs etc functioned efficiently and in close coordination with one another. Teams of NDRF, SDRF and Civil Defence were engaged in search and rescue (SAR) assignments in areas like Arambagh Sub-division in Hooghly, Ghatal Sub-Division in Paschim Medinipur, Udaynarayanpur in Howrah, Barjora in Bankura etc. Helicopters of the IAF were deployed for the evacuation of people from the village Pratappur in Paschim Medinipur District. The district administration had engaged boats for rescue works as well as the inflatable boats of the Water Wing of the Civil Defence. Medical teams were sent to different parts for treatment of the people. Temporary relief shelters and cattle camps became operational in all the affected districts.

The enormity and rapidity of the response can be gauged from some of the statistics that are given below:

RELIEF CAMPS

SI No	Name of the District	Number of Relief Camps opened	Number of People in Relief Camps	Number of Gruel Kitchens running	No. Of Medical Teams / Camps deployed	No. Of Boats deployed	Number of Cattle Camps opened
1	Howrah	102	14192	46	137	145	172
2	Paschim Medinipur	763	121060	362	693	935	366
3	Hooghly	861	258065	861	41	63	51
4	Purba Burdwan	44	9405	41	24	26	3
5	Bankura	17	4353	14	17	4	7
Sub total1		1787	407075	1324	912	1173	599
6	North 24 Parganas	5	933	0	2	0	22
7	South 24 Parganas	0	0	0	0	0	0
8	Murshidabad	0	0	0	0	0	0
9	Nadia	0	0	0	0	0	0
10	Birbhum	1	120	1		8	0
11	Purulia	0	0	0	0	0	0
12	Paschim Burdwan	15	1495	5	2	0	0
13	Purba Medinipur	0	0	0	0	0	0
14	Jhargram	0	0	0	1	1	0
Sub total2		21	2548	6	5	9	22
South Bengal TOTAL		1808	409623	1330	917	1182	621
15	Cooch Behar	517	147204	396	81	143	892
16	Alipurduar	162	16435	150	31	36	0
17	Jalpaiguri	91	24400	75	16	10	49
18	Malda	76	24957	26	14	55	3
19	Uttar Dinajpur	305	35000	95	0	23	0
20	Dakshin Dinajpur	359	61905	113	44	19	2
21	Darjeeling						
North Bengal TOTAL		1510	309901	855	186	286	946
TOTAL		3318	719524	2185	1103	1468	1567

Allotment of Relief Materials made

Sl. No.	Name of the District	Tarpaulin	Special GR (Rice) in MT	Cash GR (Rs in Lakh)	Relief Contingency (Rs in Lakh)	DM Kits	Baby Food in MT	Chirra in MT	Gur in MT
1	Howrah	60000	100	0	50		0.8		
2	Paschim Medinipur	80000	500	0	40		0.8		
3	Hooghly	90000	900	0	105	3000			
4	Purba Burdwan	20000	50	1	10				
5	Bankura	40000	150	0	15	5000	0.4		
Sub total1		290000	1700	1	220	8000	2		
6	North 24 Parganas	25000	200	0	0				
7	South 24 Parganas	20000	2000	0	0				
8	Murshidabad	10000	0	0	2.175				
9	Nadia	10000	0	0	0				
10	Birbhum	20000	50	0	20				
11	Purulia	20000	0	0	0				
12	Paschim Burdwan	11000	0	0	0				
13	Purba Medinipur	15000	0	0	0				
14	Jhargram	0	0	0	5				
Sub total2		131000	2250	0	27.175	0	0		
South Bengal TOTAL		421000	3950	1	247.175	8000	2		
15	Cooch Behar	25000	200		85				
16	Alipurduar	25000			15				
17	Jalpaiguri	20000	200		20				
18	Malda	70000	200		100		7	3	0.8
19	Uttar Dinajpur	160000	1000		80	5000	6.5	3.5	0.85
20	Dakshin Dinajpur	130000	1250	30	208	5000	6.5	3.5	0.85
21	Darjeeling								
North Bengal TOTAL		430000	2850	30	508	10000	20	10	2.5
TOTAL		851000	6800	31	755.175	18000	22	10	2.5

DAMAGE ASSESSMENT

The impact of the floods has been widespread and devastating affecting the most populous districts of the State as can be seen from the preliminary statistics of the damages due to the devastating floods and the inundation caused by excessive rainfall **since 21st July** are given below:

No. of Districts Affected : 20

No. of Blocks Affected : 254

No. of Municipalities Affected: 51

No. of Municipal Corporation Affected : Nil

No. of GP Affected : 1698

No. of Villages Affected: 15,702

No. of Population Affected : 84.15 lakh

No. of Houses Damaged : 4,97,362

Crop Area Damaged : 10,59,276.06 Ha

Human Life Lost: 197 (Lightning- 36, Drowning- 112, Wall Collapsed- 15, Electrocutation- 08 , Snake Bite-24, Boat Capsize - 2)

No. of Missing Persons: Nil

Cattle Lost: 2,075

Poultry lost : 1,56,975

Relief Camps Opened: 3,318

No. of People in Relief Camps: 7,19,524

No of Gruel Kitchens: 2,185

No. of Medical Camps: 1,103

Number of Boats Deployed : 1,468

Number of Cattle Camps Opened: 1,567

Fodder and medicine distributed: Rs. 402.89 lakh

Area of Fisheries Affected: 30,416.7 Ha

Quantity of Fish Lost:. 20,614.37 Tons

Loss of fish seed : 3,887.39 millions

Breach in Embankments: 246.52 kms.

District Wise Damage Reports

DETAILS OF DAMAGE DUE TO FLOOD CAUSED BY THE DAM DISCHARGE AND EXCESSIVE RAIN

Sl. No.	Name of District	Number & Name of Blocks Affected	Number & Name of Municipalities Affected	Populati on affected in Lakh	Damage to Corps	Damage to Houses					Cattle lost	Human lives lost	Total damages Corps, Houses & Public Utilities
						Area in Ha	Fully	Severly	Partly	Hut			
1	Howrah	3 (Udaynarayanpur, Amta-I & II)	0	3.94	17692.7	5991	2918	9928	517	39707.91	161	5	870.103745
2	Paschim Medinipur	17 (Keshpur, Khargapur-I & II, Dantan-I, Chandrakona-I & II, Debra, Garhbeta-I, II & III, Medinipur Sadar, Salboni, Keshiary, Narayangarh, Ghatal, Daspur-I & II)	5 (Ghatal, Kharar, Khirpai, Chandrakona, Ramjibanpur)	3.94	118108	2048	3009	28297	0	35021.57	6	16	1034.83136
3	Hooghly	9 (Khanakul-I & II, Goghat-I & II, Arambagh, Pursura, Jangipara, Tarakeswar, Dhaniakhali)	1 (Arambagh)	7.78	21598	3439	2598	12107	2090	33074.73	28	26	676.673404
4	Purba Burdwan	14 (Ausgram-I & II, Burdwan - I & II, Ketugram - I & II, Purbashali - I & II, Kalna - I & II, Bhatar, Mongalkot, Jamalpur, Raina - II)	Nil	0.36	34846.58	2469	2004	8084	0	24776.46	0	1	554.784155
5	Bankura	11 (Sonamukhi, Borjora, Mejia,	1 (Sonamukhi)	1.71	17231.5	14173	0	13223	27396	58678.97	25	14	741.01554

Sl. No.	Name of District	Number & Name of Blocks Affected	Number & Name of Municipalities Affected	Populati on affected in Lakh	Damage to Corps	Damage to Houses					Cattle lost	Human lives lost	Total damages Corps, Houses & Public Utilities
						Area in Ha	Fully	Severly	Partly	Hut			
		Bankura-II, Indus, Kotalpur, Patrasayer, Joypur, Onda, Gangajalghati, Bishnupur)											
Sub total1		54	7	17.73	209477	28120	10529	71639	30003	191259.6	220	62	3877.41
6	North 24 Parganas	12 (Amdanga, Baduria, Barasat - II, Barrackpur - I, Deganga, Gaighata, Haroa, Hasnabad, Hingaljanj, Sandeshkhali - I, Sandeshkhali - II, Swarupnagar)	5 (Ashoknagar-Kalyangarh, Bhatpara, Habra, Baduria, South Dumdum)	0.39	37630	1012	10229	0	0	22625.78	0	4	668.40715
7	South 24 Parganas	28 (Baruipur, Basanti, Bhangar - I, Bhangar - II, Bishnupur - I, Bishnupur - II, Budge Budge - I, Budge Budge - II, Canning - I, Canning - II, Diamond Harbour - I, Diamond Harbour -II, Falta, Gosaba, Jaynagar - II, Jaynagar -I, Kakdwip, Kulpi, Kultali, Magrahat - I, Magrahat - II, Mandibazar, Mathurapur - I, Mathurapur - II, Namkhana, Patharpratima, Sagar, Sonarpur)	6 (Rajpur-Sonarpur , Baruipur , Pujali , Maheshtala , Joynagar-Majilpur , Diamond-Harbour)	7.46	45027	889	0	17485	0	15013.9	0	2	571.5215
8	Murshidabad	10 (ten) Sagardighi/Farakka (Erosion)/ Samserganj (Erosion) Bharatpur-I&II/Kandi/	01 (Dhuliyon Municipality)	0.07	16450	266	0	875	0	1322.74	0	14	121.86805

Sl. No.	Name of District	Number & Name of Blocks Affected	Number & Name of Municipalities Affected	Populati on affected in Lakh	Damage to Corps	Damage to Houses					Cattle lost	Human lives lost	Total damages Corps, Houses & Public Utilities
						Area in Ha	Fully	Severly	Partly	Hut			
		Burwan/Khargram/Nabagram/ Nowda											
9	Nadia	14 (Chakdah, Nakashipara, Ranaghat - II, Kaliganj, Krishnagar - I, Hanskhali, Tehatta - I, Santipur, Haringhata, Karimpur - II, Karimpur - I, Krishnaganj, Krishnagar - II, Nabadwip)	7 (Seven), Chakdaha, Ranaghat, Taherpur NAA, Birnagar, Coopers Camp NAA, Nabadwip, Krishnagar	0.46	24384	66	0	3793	0	2929.73	0	1	38.8878
10	Birbhum	19 (Suri-I, Suri-II, Sainthia, Rajnagar, Khoyrasole, Dubrajpur, Md. Bazar, Bolpur-Sriniketan, Illambazar, Nanoor, Labpur, Rampurhat-I, Rampurhat-II, Nalhathi-I, Nalhathi-II, Mayureswar-I, Mayureswar-II, Murarai-I, Murarai-II)		0.18	11276	1500	200	2000	0	5715.69	1	6	152.54281
11	Purulia	20 (1. Arsha, 2. Balarampur, 3. Baghmundi, 4. Bandwan, 5. Barabazar, 6. Manbazar-I, 7. Manbazar - II, 8. Purulia-I, 9. Purulia-II, 10. Hura, 11. Neturia, 12. Pancha, 13. Jhalda-I, 14. Jhalda - II, 15. Joypyr, 16. Para, 17. Raghunathpur- I, 18. raghunathpur- II, 19. Kashipur,	3 (Jhalda , Purulia, Raghunathpur)	0.67	4571.28	578	551	5543	384	9503.57	0	6	206.70569

Sl. No.	Name of District	Number & Name of Blocks Affected	Number & Name of Municipalities Affected	Populati on affected in Lakh	Damage to Corps	Damage to Houses					Cattle lost	Human lives lost	Total damages Corps, Houses & Public Utilities
						Area in Ha	Fully	Severly	Partly	Hut			
		20. Santuri)											
12	Paschim Burdwan	8 (Jamuria, Raniganj, Pandabeswar, Barabani, Salanpur, Andal, Durgapur-Faridpur, Kanksa)	2 (Raniganj, Jamuria)	2	2725	2464	0	8194	0	12317.29	0	6	150.27957
13	Purba Medinipur	25 (Panskura-I, Panskura-II (Kolaghat), Tamluk, Sahid Matangini, Nandakumar, Moyna, Chadipur, Mahishadal, Sutahata, Nandigram-II, Nandigram-I, Haldia, Bhagwanpur-I, Bhagwanpur-II, Khejuri-I, Khejuri-II, Contai-I, Contai-II, Deshapran, Ramnagar-I, Ramnagar-II, Egra-I, Egra-II, Patashpur-I, Patashpur-II,	2 (Panskura & Haldia)	0.51	95929	805	0	5957	0	6410.37	0	0	1683.90965
14	Jhargram	8 (Jhargram, Binpur-I & II, Jamboni, Nayagram, Sankrail, Gopiballavpur - I & II)	1 (Jhargram)	0.05	655	60	0	1456	0	1214.04	0	6	24.6247
Sub total2		144	27	11.79	238647.3	7640	10980	45303	384	77053.11	1	45	3618.75
South Bengal TOTAL		198	34	29.52	448124.1	35760	21509	11694	3038	268312.7	221	107	7496.16
15	Cooch Behar	12 (Coochbehar-I&II, Dinhata-I&II, Mathabhanga-I&II, Tufanganj-I&II, Haldibari, Mekhliganj, Sitai,	6 (Coochbehar, Dinhata, Haldibari,	13.765	161551	16875		57933		85677.15	101	18	1885.252724

Sl. No.	Name of District	Number & Name of Blocks Affected	Number & Name of Municipalities Affected	Populati on affected in Lakh	Damage to Corps	Damage to Houses					Cattle lost	Human lives lost	Total damages Corps, Houses & Public Utilities
						Area in Ha	Fully	Severly	Partly	Hut			
		Sitalkuchi)	Mathabhanga, Mekhliganj, Tufanganj)										
16	Alipurduar	6 (Alipurduar-I&II, Falakata, Kalchini, Kumargram, Madarihat-Birpara)	1 (Alipurduar)	3.533	28500	608		5688		5706.49	0	8	301.94711
17	Jalpaiguri	7 (Raiganj, Sadar, Maynaguri, Dhupguri, Mal, Matiali, Nagrakata)	2 (Dhupguri, Jalpaiguri)	1.799	36500	20		5541		4082.78	20	7	371.991052
18	Malda	14 (Chanchal-I&II, Kaliachak-II&III, Manikchak, Old Malda, Habibpur, Harishchandrapur-I&II, Ratua-I&II, Gazole, Bamongola, Englishbazar)	2 (Old Malda, Englishbazar)	9.202	87524	14899	1800	81011		97369.69	500	0	1758.151889
19	Uttar Dinajpur	9 (Chopra, Goalpokher-I&II, Islampur, Karandighi, Raiganj,	4 (Raiganj, Islampur, Kaliyaganj,	15	132500	1500		2500		9210.21	16	36	1182.207657

Sl. No.	Name of District	Number & Name of Blocks Affected	Number & Name of Municipalities Affected	Populati on affected in Lakh	Damage to Corps	Damage to Houses					Cattle lost	Human lives lost	Total damages Corps, Houses & Public Utilities
						Area in Ha	Fully	Severly	Partly	Hut			
		Hemtabad, Kaliyaganj, Itahar)	Dalkhola)										
20	Dakshin Dinajpur	8 (Balurghat, Kumarganj, Hili, Tapan, Harirampur, Kushmandi, Banshihari, Gangarampur)	2 (Balurghat, Gangarampur)	11.327	160000	41300		63089		152433.51	1217	21	2776.282282
21	Darjeeling (SMP Area)				4577					0	0		160.3728796
North Bengal TOTAL		56	17	54.626	611152	75202	1800	21576 2	0	354479.8 3	1854	90	8436.21
TOTAL		254	51	84.146	1059276	11096 2	23309	33270 4	3038 7	622792.5 8	2075	197	15932.36
	Cost for ORS / Halogen Tablet, AVS , Bleaching powder												10.5
	Cost for MTU (Mobile Treatment Unit) of PHE												2.58
	Damage of NH Roads												19
Total Damage in Rs Crore												15964.44	

Crop Area Affected:

Sl.No.	Name of affected district	Total agricultural area affected (in ha.)
1	Howrah	17692.7
2	Paschim Medinipur	118108
3	Hooghly	21598
4	Purba Burdwan	34846.58
5	Bankura	17231.5
Sub total1		209476.8
6	North 24 Parganas	37630
7	South 24 Parganas	45027
8	Murshidabad	16450
9	Nadia	24384
10	Birbhum	11276
11	Purulia	4571.28
12	Paschim Burdwan	2725
13	Purba Medinipur	95929
14	Jhargram	655
Sub total2		238647.3
South Bengal TOTAL		448124.1
15	Cooch Behar	161551
16	Alipurduar	28500
17	Jalpaiguri	36500
18	Malda	87524
19	Uttar Dinajpur	132500
20	Dakshin Dinajpur	160000
21	Darjeeling (Siliguri)	4577
North Bengal TOTAL		611152
TOTAL		1059276.06

Deaths reported:

Sl. No.	District	Death						Total
		Lightning	Wall Collapse	Electrocution	Snake Bite	Drowning	Boat Capsize	
1	Howrah	0	0	1	1	3	0	5
2	Paschim Medinipur	5	1	1	5	4	0	16
3	Hooghly	3	1	1	5	14	2	26
4	Purba Burdwan	1	0	0	0	0	0	1
5	Bankura	5	2	0	2	5	0	14
Sub total1		14	4	3	13	26	2	62
6	North 24 Parganas	0	1	2	0	1	0	4
7	South 24 Parganas	1	0	0	1	0	0	2
8	Murshidabad	8	2		2	2	0	14
9	Nadia	1	0	0	0	0	0	1
10	Birbhum	4	0	0	0	2	0	6
11	Purulia	2	2	2	0	0	0	6
12	Paschim Burdwan	3	1	0	0	2	0	6
13	Purba Medinipur	0	0	0	0	0	0	0
14	Jhargram	3	0	0	1	2	0	6
Sub total2		22	6	4	4	9	0	45
TOTAL		36	10	7	17	35	2	107
15	Cooch Behar				0	18		18
16	Alipurduar			1		7		8
17	Jalpaiguri				1	6		7
18	Malda							0
19	Uttar Dinajpur					36	0	36
20	Dakshin Dinajpur		5		6	10		21
21	Darjeeling							0
North Bengal TOTAL		0	5	1	7	77	0	90
TOTAL		36	15	8	24	112	2	197

District Wise Damage Details (Part-I)

SI No	Name of the District	No. of Blocks affected	No. of Municipalities	No. Of GP Affected	No. Of villages affected	No. Of People Affected (In lakh)	No. of Houses damaged				
							Fully	Severely	Partly	Hut	Total
1	Howrah	3	0	24	155	3.94	5991	2918	9928	517	19354
2	Paschim Midnapur	17	5	87	1795	3.94	2048	3009	28297	0	33354
3	Hooghly	9	1	64	389	7.78	3439	2598	12107	2090	20234
4	Purba Burdwan	14	0	80	439	0.36	2469	2004	8084	0	12557
5	Bankura	11	1	85	3028	1.71	14173	0	13223	27396	54792
	Sub Total:1	54	7	340	5806	17.73	28120	10529	71639	30003	140291
6	N.24-Parganas	12	5	97	588	0.39	1012	10229	0	0	11241
7	S.24-Parganas	28	6	103	1125	7.46	889	0	17485	0	18374
8	Murshidabad	10	1	74	183	0.07	266	0	875	0	1141
9	Nadia	14	7	62	520	0.46	66	0	3793	0	3859
10	Birbhum	19		167	475	0.18	1500	200	2000	0	3700
11	Purulia	20	3	76	1004	0.67	578	551	5543	384	7056
12	Paschim Burdwan	8	2	57	293	2	2464	0	8194	0	10658
13	Purba Midnapur	25	2	223	797	0.51	805	0	5957	0	6762
14	Jhargram	8	1	47	213	0.05	60	0	1456	0	1516
	Sub Total:2	144	27	906	5198	11.79	7640	10980	45303	384	64307
South Bengal TOTAL		198	34	1246	11004	29.52	35760	21509	116942	30387	204598
15	Cooch Behar	12	6	128	1053	13.765	16875		57933		74808
16	Alipurduar	6	1	53	212	3.533	608		5688		6296
17	Jalpaiguri	7	2	65	292	1.799	20		5541		5561
18	Malda	14	2	57	454	9.202	14899	1800	81011		97710
19	Uttar Dinajpur	9	4	85	1365	15	1500		2500		4000
20	Dakshin Dinajpur	8	2	64	1322	11.33	41300		63089		104389
21	Darjeeling										0
North Bengal TOTAL		56	17	452	4698	54.63	75202	1800	215762	0	292764
TOTAL		254	51	1698	15702	84.15	110962	23309	332704	30387	497362

District Wise Damage Details (Part-II)

SI No	Name of the District	Crop Area Affected (In Hectare)	No. of Human Life lost	No. of Cattle Lost	Number of Relief Camps opened	Number of People in Relief Camps	Number of Gruel Kitchens running	No. Of Medical Teams / Camps deployed	No. Of Boats Deployed	No of Cattle Camp Opened
1	Howrah	17692.7	5	161	102	14192	46	137	145	172
2	Paschim Midnapur	118108	16	6	763	121060	362	693	935	366
3	Hooghly	21598	26	28	861	258065	861	41	63	51
4	Purba Burdwan	34846.58	1	0	44	9405	41	24	26	3
5	Bankura	17231.5	14	25	17	4353	14	17	4	7
	Sub Total:1	209476.78	62	220	1787	407075	1324	912	1173	599
6	N.24-Parganas	37630	4	0	5	933	0	2	0	22
7	S.24-Parganas	45027	2	0	0	0	0	0	0	0
8	Murshidabad	16450	14	0	0	0	0	0	0	0
9	Nadia	24384	1	0	0	0	0	0	0	0
10	Birbhum	11276	6	1	1	120	1		8	0
11	Purulia	4571.28	6	0	0	0	0	0	0	0
12	Paschim Burdwan	2725	6	0	15	1495	5	2	0	0
13	Purba Midnapur	95929	0	0	0	0	0	0	0	0
14	Jhargram	655	6	0	0	0	0	1	1	0
	Sub Total:2	238647.28	45	1	21	2548	6	5	9	22
	South Bengal TOTAL	448124.06	107	221	1808	409623	1330	917	1182	621
15	Cooch Behar	161551	18	101	517	147204	396	81	143	892
16	Alipurduar	28500	8	0	162	16435	150	31	36	0
17	Jalpaiguri	36500	7	20	91	24400	75	16	10	49
18	Malda	87524	0	500	76	24957	26	14	55	3
19	Uttar Dinajpur	132500	36	16	305	35000	95	0	23	0
20	Dakshin Dinajpur	160000	21	1217	359	61905	113	44	19	2
21	Darjeeling	4577	0	0						
	North Bengal TOTAL	611152	90	1854	1510	309901	855	186	286	946
	TOTAL	1059276.06	197	2075	3318	719524	2185	1103	1468	1567

Assessment of Damages by various Departments

SYNOPSIS OF DEPARTMENT WISE ESTIMATED AMOUNT OF LOSS DAMAGES DUE TO FLOOD - 2017 IN WEST BENGAL

Sl. No.	Department	Estimated Amount In Rs Crore
1	Disaster Management & Civil Defence	6427.52
2	Agriculture	6386.79
3	Fisheries	188.84
4	ARD	39.55
5	WRIDD	31.29
6	Irrigation	305.62
7	PWD	160.72
8	P&RD	523.10
9	PHE	52.30
10	Health	37.46
11	Power	12.61
12	School Education	95.72
13	Horticulture	1668.38
14	Industry Commerce & Enterprises (MSME)	34.54
TOTAL ESTIMATED AMOUNT		15964.44

DISTRICTWISE DAMAGE ASSESSMENT FOR EACH DEPARTMENT (Rs in Lakh)

Disaster Management Department:

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 a day) of relief camps	Average duration of operation of relief camps	Average No. of people accommodated per day in the relief camps	Expenditure incurred on (Rs. In lakh)				
					Temporary accommodation	Food	Clothing	Medical care + Bleaching Powder	Other essential items.(DM Kits, transportation, Loading, unloading of Relief Materials, labour charges at relief camps, fuel charges etc.)
1	2	3	4	5	6	7	8	9	10
1	Howrah	30	7	3779.5	3.5	33.75	0.00	4.75	8.50
2	Paschim Midnapur	59	13	9312	38	29.87		5.00	46.00
3	Hooghly	66	13	19851	0.41	58.98	0	1.41	35.86
4	Purba Burdwan	18	3	3500	0	8.60	0.00	6.00	5.60
5	Bankura	17	3	261	0	25.00	0.00	1.00	5.00
	Sub Total:1	38.00	7.80	36703.50	41.91	156.20	0.00	18.16	100.96
6	N.24-Parganas	3	8	394	0	1.70	0.00	1.00	1.00
7	S.24-Parganas	0	0	0	0	0.00	0.00	0.00	0.00
8	Murshidabad	0	0	0	0	0.00	0.00	0.00	0.00
9	Nadia	0	0	0	0	0.00	0.00	0.00	0.00
10	Birbhum	3	3	120	0	0.19	0.00	0.00	0.02
11	Purulia	0	0	0	0	0.00	0.00	0.00	0.00
12	Paschim Burdwan	15	5	99	0	3.80	0.00	0.00	0.70
13	Purba Midnapur	0	0	0	0	0	0	0	0
14	Jhargram	0	0	0	0	0	0	0	5.00
	Sub Total:2	2.33	1.78	613.00	0.00	5.69	0.00	1.00	6.72
South Bengal TOTAL		20.17	4.79	37316.50	41.91	161.89	0.00	19.16	107.68
15	Cooch Behar	343	4	58245	28	426.00	0.00	0.98	120.00
16	Alipurduar	52	4	16435	3.61	5.93	0.00	0.00	36.33
17	Jalpaiguri	17	7	4290	0	73.00	0.00	0.00	10.50
18	Malda	181	4	89500	10.2	178.40	0.00	18.00	12.00
19	Uttar Dinajpur	295	7	51850	5	10.00	0.00	2.00	10.00
20	Dakshin Dinajpur	428	15	227778	171.2	277.40	3204.40	258.68	4463.39
21	Darjeeling								

North Bengal TOTAL	1316.0 0	6.83	448098.00	218.01	970.73	3204.4 0	279.66	4652.22
TOTAL	1336.1 7	11.62	485414.50	259.92	1132.6 2	3204.4 0	298.82	4759.90

Total Cost 9655.66

Allotment of Relief Materials:

Sl. No.	Name of the District	Tarpaulin	Special GR (Rice) in MT	Cash GR (Rs in Lakh)	Relief Contingency (Rs in Lakh)	DM Kits	Baby Food in MT	Chira in MT	Gur in MT	Total Cost in Rs. Lakh
1	Howrah	60000	100	0	50		0.8			502.6
2	Paschim Medinipur	80000	500	0	40		0.8			734.94
3	Hooghly	90000	900	0	105	3000				1049.541
4	Purba Burdwan	20000	50	1	10					164.09
5	Bankura	40000	150	0	15	5000	0.4			476.155
Sub total1		290000	1700	1	220	8000	2			2927.326
6	North 24 Parganas	25000	200	0	0					226.425
7	South 24 Parganas	20000	2000	0	0					650.34
8	Murshidabad	10000	0	0	2.175					72.345
9	Nadia	10000	0	0	0					70.17
10	Birbhum	20000	50	0	20					173.09
11	Purulia	20000	0	0	0					140.34
12	Paschim Burdwan	11000	0	0	0					77.187
13	Purba Medinipur	15000	0	0	0					105.255
14	Jhargram	0	0	0	5					5
Sub total2		131000	2250	0	27.175	0	0			1520.152
South Bengal TOTAL		421000	3950	1	247.175	8000	2			4447.478
15	Cooch Behar	25000	200		85					311.425
16	Alipurduar	25000			15					190.425
17	Jalpaiguri	20000	200		20					211.34
18	Malda	70000	200		100		7	3	0.8	696.658
19	Uttar Dinajpur	160000	1000		80	5000	6.5	3.5	0.85	1647.746
20	Dakshin Dinajpur	130000	1250	30	208	5000	6.5	3.5	0.85	1658.986
21	Darjeeling									0
North Bengal TOTAL		430000	2850	30	508	10000	20	10	2.5	4716.58
TOTAL		851000	6800	31	755.175	18000	22	10	2.5	9164.06

Exgratia Requirement :

Sl. No.	District	Ex-Gratia Grant in Rs. Lakh (NC @ Rs. 4 lakh & SB @ Rs. 1 lakh)
1	Howrah	17
2	Paschim Medinipur	49
3	Hooghly	81
4	Purba Burdwan	4
5	Bankura	50
Sub total1		201
6	North 24 Parganas	16
7	South 24 Parganas	5
8	Murshidabad	50
9	Nadia	4
10	Birbhum	24
11	Purulia	24
12	Paschim Burdwan	24
13	Purba Medinipur	0
14	Jhargram	21
Sub total2		168
TOTAL		369
15	Cooch Behar	72
16	Alipurduar	32
17	Jalpaiguri	25
18	Malda	0
19	Uttar Dinajpur	144
20	Dakshin Dinajpur	66
21	Darjeeling	0
North Bengal TOTAL		339
TOTAL		708

Damage to Houses

Amount in Rs. lakh

Sl.No.	Name of the affected district	No. of houses damaged														Total Amount in Rs. lakh
		Fully damaged pucca houses		Fully damaged kutcha houses		Severally damaged pucca houses		Severally damaged kutcha houses		Partly damaged pucca houses		Partly damaged kutcha houses		Huts damaged/ destroyed(both pucca and kutcha)		
		No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	Howrah	203	2549.17	5788	14930.38	850	8137.89	2068	4046.5	450	2912.67	9478	6895.43	517	235.88	39707.91
2	Paschim Midnapur	25	313.94	2023	5218.41	76	727.62	2933	5739.06	424	2744.38	27873	20278.16	0	0	35021.57
3	Hooghly	41	514.86	3398	8765.28	346	3312.6	2252	4406.53	1099	7113.38	11008	8008.54	2090	953.54	33074.73
4	Purba Burdwan	247	3101.7	2222	5731.74	202	1933.95	1802	3526.01	801	5184.54	7283	5298.53	0	0	24776.46
5	Bankura	0	0	14173	36559.82	0	0	0	0	0	0	13223	9620	27396	12499.15	58678.97
	Sub Total:1	516	6479.65	27604	71205.62	1474	14112.06	9055	17718.1	2774	17954.96	68865	50100.66	30003	13688.57	191259.64
6	N.24-Parganas	0	0	1012	2610.49	0	0	10229	20015.29	0	0	0	0	0	0	22625.78
7	S.24-Parganas	0	0	889	2293.21	0	0	0	0	0	0	17485	12720.69	0	0	15013.9
8	Murshidabad	0	0	266	686.16	0	0	0	0	0	0	875	636.58	0	0	1322.74
9	Nadia	0	0	66	170.25	0	0	0	0	0	0	3793	2759.48	0	0	2929.73
10	Birbhum	0	0	1500	3869.31	0	0	200	391.34	0	0	2000	1455.04	0	0	5715.69
11	Purulia	61	766.01	517	1333.62	91	871.23	460	900.09	248	1605.2	5295	3852.22	384	175.2	9503.57
12	Paschim Burdwan	0	0	2464	6355.99	0	0	0	0	0	0	8194	5961.3	0	0	12317.29

Sl.No.	Name of the affected district	No. of houses damaged														Total Amount in Rs. lakh
		Fully damaged pucca houses		Fully damaged kutcha houses		Severally damaged pucca houses		Severally damaged kutcha houses		Partly damaged pucca houses		Partly damaged kutcha houses		Huts damaged/ destroyed(both pucca and kutcha)		
		No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
13	Purba Midnapur	0	0	805	2076.53	0	0	0	0	0	0	5957	4333.84	0	0	6410.37
14	Jhargram	0	0	60	154.77	0	0	0	0	0	0	1456	1059.27	0	0	1214.04
	Sub Total:2	61	58.01	7579	7207.63	91	86.54	10889	10355.44	248	1605.2	45055	32778.41	384	15.74	77053.11
	South Bengal TOTAL	577	6537.67	35183	78413.25	1565	14198.6	19944	28073.54	3022	19560.17	113920	82879.08	30387	13704.31	268312.74
15	Cooch Behar	0	0	16875	43529.74	0	0	0	0	0	0	57933	42147.42	0	0	85677.15
16	Alipurduar	0	0	608	1568.36	0	0	0	0	0	0	5688	4138.13	0	0	5706.49
17	Jalpaiguri	0	0	20	51.59	0	0	0	0	0	0	5541	4031.19	0	0	4082.78
18	Malda	0	0	14899	38432.57	0	0	0	0	0	0	81011	58937.12	0	0	97369.69
19	Uttar Dinajpur	0	0	1500	3869.31	0	0	1800	3522.1	0	0	2500	1818.8	0	0	9210.21
20	Dakshin Dinajpur	0	0	41300	106535	0	0	0	0	0	0	63089	45898.51	0	0	152433.51
21	Darjeeling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	North Bengal TOTAL	0	0	75202	193986.57	0	0	1800	3522.1	0	0	215762	156971.17	0	0	354479.83
	TOTAL	577	6537.67	110385	272399.82	1565	14199	21744	31595.63	3022	19560.17	329682	239850.3	30387	13704.31	622792.58

Other Expenditure related to Relief Operation (Rs. In Lakh)

Sl. No.	Name of the District	Hiring of boats for carrying immediate relief and saving lives	Clearance of debris in public areas	Draining off flood water in affected areas	Disposal of dead bodies/ Carcasses	Total
1	Howrah	13.02	1.37	0.86	0.12	15.37
2	Paschim Medinipur	19.10	18.00	35.00	0.72	72.82
3	Hooghly	7.34	0.00	0.00	0.00	7.34
4	Purba Burdwan	1.63	1.56	0.67	0.00	3.86
5	Bankura	0.36	0.00	0.00	0.00	0.36
Sub total1		41.45	20.93	36.53	0.84	99.74
6	North 24 Parganas	0.00	0.00	0.00	0.00	0.00
7	South 24 Parganas	0.00	0.00	0.00	0.00	0.00
8	Murshidabad	0.00	0.00	0.00	0.00	0.00
9	Nadia	0.00	0.00	0.00	0.00	0.00
10	Birbhum	4.22	19.00	38.00	0.00	61.22
11	Purulia	0.00	0.00	0.00	0.00	0.00
12	Paschim Burdwan	0.00	15.00	0.00	0.00	15.00
13	Purba Medinipur	0.00	0.00	0.00	0.00	0.00
14	Jhargram	0.00	0.00	0.00	0.00	0.00
Sub total2		4.22	34.00	38.00	0.00	76.22
South Bengal TOTAL		45.67	54.93	74.53	0.84	175.97
15	Cooch Behar	10.91	11.1	2.45	3	27.46
16	Alipurduar	14.645	12.46	27.5	2.2	56.805
17	Jalpaiguri	0.9954	0	0	0	0.9954
18	Malda	12.8	37.2	8	0	58
19	Uttar Dinajpur	4.5	0	15	0	19.5
20	Dakshin Dinajpur	10.2375	55	5.5	22	92.7375
21	Darjeeling	0.00	0	0	0	0
North Bengal TOTAL		54.09	115.76	58.45	27.20	255.50
TOTAL		99.76	170.69	132.98	28.04	431.46

Total for Disaster Management Department :

Rs. 642751.75 lakh

Agriculture Department :

Sl No	District	Crop Damage area in ha(Computed to 100% damage)										Total area in ha	Money Value Loss(Rs in lakh)
		Kharif paddy seed bed	Tranasplanted paddy	Jute	Groundnut	Vagetable	Betelvine (LM)*	Flower	Spice	Maize	Pine Apple		
1	Howrah	192	10295	730	0	1020		361	821			13419	15795.21
2	Paschim Midnapur	14731	42407	1185	0	2941	102	432	518			62316	47999.64
3	Hooghly	2725	15765	246	784	2004	0	0	0			21524	17744.33
4	Purba Burdwan	0	17427	283	32	891	0	0	0			18633	14536.32
5	Bankura	605	8143	0	0	400	0	0	0			9148	6103.48
	Sub Total:1	18253	94037	2444	816	7256	102	793	1339			125040	102178.98
6	N.24-Parganas	3084	16907	0	0	11012	0	0	0			31003	37865.36
7	S.24-Parganas	4232	18910	0	0	2644	82	0	0			25868	19914.95
8	Murshidabad	484	8632	221	0	430	0	0	0			9767	7842.87
9	Nadia	0	0	0	0	0	0	0	0			0	0
10	Birbhum	850	8255			810						9915	7241.06
11	Purulia	0	0	0	0	2374	0	0	0			2374	5697.60
12	Paschim Burdwan	0	355	0	0	104	0	0	0			459	464.60
13	Purba Midnapur	12523	40968	123	0	6065	3170	1419	1546			65814	74565.62
14	Jhargram	0	423	0	0	0	0	0	0			423	148.05
	Sub Total:2	21173	94450	344	0	23439	3252	1419	1546			145623	153740.11
South Bengal TOTAL		39426	188487	2788	816	30695	3354	2212	2885	0	0	270663	255919.09
15	Cooch Behar		91380	1501		7350				0	0	100231	82584
16	Alipurduar		25667	0		1167				0	0	26834	18345
17	Jalpaiguri		27667	0		4500				0	0	32167	27556
18	Malda		67148	3258		2532				588	0	73526	67945
19	Uttar Dinajpur		130000	0		2500				0	0	132500	84733

SI No	District	Crop Damage area in ha(Computed to 100% damage)										Total area in ha	Money Value Loss(Rs in lakh)
		Kharif paddy seed bed	Transplanted paddy	Jute	Groundnut	Vegetable	Betelvine (LM)*	Flower	Spice	Maize	Pine Apple		
20	Dakshin Dinajpur		130000	0		7667				0	0	137667	97134
21	Darjeeling (Siliguri)		2000	0		1167				0	77	3244	4204
North Bengal TOTAL		0	473862	4759	0	26883	0	0	0	588	77	506169	382501.00
TOTAL		39426	662349	7547	816	57578	3354	2212	2885	588	77	776832	638420.09

Sericulture :

SI No	District	Crop Damage area in ha(Computed to 100% damage)			Money Value Loss(Rs in lakh)		
		Mulb	Eri	Muga	Mulb / Eri	Muga	Total
1	Cooch Behar	174		202	51.852	12.12	63.972
2	Alipurduar						
2	Jalpaiguri	197	342	61	75.122	3.66	78.782
3	Malda						
4	Uttar Dinajpur	257			76.586		76.586
5	Dakshin Dinajpur	126	36		39.26		39.26
6	Darjeeling (Siliguri)						
North Bengal TOTAL		754	378	263	242.82		258.600
TOTAL		754	378	263	242.82		258.6

*LM = Lakh Mote

Total Loss : Rs. 638678.69 lakh

Dept. of Food Processing Industries & Horticulture

Sl No	Name of affected district	Total area under kharif Horticulture cultivation (in ha)	Total Kharif Horticulture area affected/inundated (in ha)	Crop affected	Afea affected (ha)	Area damgaed (<33%)	Area damgaed (>33%)	Production Loss (MT)	Monetary Loss (Rs in lakh)	Rate of relief (Rs in lakh/ha)	Total Relief (Rs in lakh)
1	Howrah	5694	4013	Vegetables	3165	0	3165	31650	3798	0.135	424.275
				Betelvine (lakh mote)	665	0	665	665	332.5	0.18	119.7
				Flowers	183	0	183	1464	14604	0.135	24.705
				Total	4013	0	4013	33779	18734.5		571.68
2	Paschim Medinipur	18977	7605	Vegetables	4980	2039	2941	29410	2941	0.135	397.035
				Flowers	1105	673	432	2592	518.4	0.135	58.32
				Betelvine (lakh mote)	307	205	102	6.12	6120	0.18	18.36
				Spices	1213	695	518	5180	777	0.135	69.93
				Total	7605	3612	3993	37188.12	10356.4		543.645
3	Hooghly	8579	2596	Vegetables	2192	188	2004	20040	30	0.135	270.54
4	Purba Bardhaman	1380	1300	Vegetables	1300	681	619	6680	8325	0.135	74.925
5	Bankura	9735	7072	Vegetables	1849.75	689.78	1159.97	11036.4	1324.37	0.135	93.12
Sub-total 1		44365	22586		16959.75	5170.78	11788.97	108723.52	38770.27		1553.91
6	North 24 Pgs	20393	10249	Vegetables	6939	4233	2706	41170	4940.4	0.135	365.31
				Fruits (non-perennial)	295	230	65	1420	42.6	0.135	8.775
				Flowers	442	344	98	351.667	10.55	0.135	13.23
				Total	7676	4807	2869	42941.667	4993.55		387.315
7	South 24 Pgs	15512	10105	Vegetables	4103	2189	1914	26436.67	3172.4	0.135	258.39
				Betelvine (lakh mote)	236	231	5	8200	492	0.18	0.9
				Total	4339	2420	1919	34636.67	3664.4		259.29

Sl No	Name of affected district	Total area under kharif Horticulture cultivation (in ha)	Total Kharif Horticulture area affected/inundated (in ha)	Crop affected	Afea affected (ha)	Area damgaed (<33%)	Area damgaed (>33%)	Production Loss (MT)	Monetary Loss (Rs in lakh)	Rate of relief (Rs in lakh/ha)	Total Relief (Rs in lakh)
8	Murshidabad	25300	685	Vegetables	685	382	303	4300	516	0.135	40.905
9	Birbhum	945	810	Vegetables	810	0	810	9720	972	0.135	109.35
10	Purulia	4571	2374	Vegetables	2374	0	2374	23740	2848.8	0.135	320.49
11	Paschim Burdwan	1113	213	Vegetables	213	167	46	858.6	130.86	0.135	6.21
12	purba Medinipur	18871	13985	Vegetables	6984	864	6120	73440	14688	0.135	82.62
				Flowers	1673	254	1419	84154	1702	0.135	191.565
				Betelvine (lakh mote)	3540	370	3170	15.85	63400	0.18	570.6
				Spices	1788	242	1546	15460	3092	0.135	208.71
				Total	13985	1730	12255	173069.85	82882		1797.075
13	Jhargram	3490	585	Vegetables	585	403	182	11036.4	182	0.135	24.57
Sub-total 2		90195	39006		30667	9909	20758	300303.187	96189.61		2945.205
South Bengal TOTAL		134560	61592		47626.8	15079.8	32547	409026.7	134959.88		4499.12
15	Cooch Behar	35950	8678	Vegetables	8682.44	1998.43	6684.01	66381.1	7965.732	0.135	902.34135
16	Alipurduar	3644	1912	Vegetables	1285	703.75	601	6001	601	0.135	81.135
				Fruits (non perenial)	220	150	45.25	4525	452.5	0.135	6.10875
				Betelvine	9	7	2	355	405.2	0.18	0.36
				Total	1514	860.75	648.25	10881	1458.7		87.60375
17	Jalpaiguri	5325	2766	Vegetables	2766	648	2118	14797.45	1775.694	0.135	285.93
18	Malda	9282	3082	Vegetables	3082	786	2296	26211	2621	0.135	309.96
19	Uttar Dinajpur	8570	6250	Vegetables	5400	5400	0	93750	9375	0.135	0
				Spices	850	830	20	25500	2550	0.135	2.7

Sl No	Name of affected district	Total area under kharif Horticulture cultivation (in ha)	Total Kharif Horticulture area affected/inundated (in ha)	Crop affected	Afea affected (ha)	Area damgaed (<33%)	Area damgaed (>33%)	Production Loss (MT)	Monetary Loss (Rs in lakh)	Rate of relief (Rs in lakh/ha)	Total Relief (Rs in lakh)
				Total	6250	6230	20	119250	11925		2.7
20	Dakshin Dinajpur	7325	6379	Vegetables	6379	946	5433	54330	5433	0.135	733.455
21	Darjeeling (Siliguri)	4800	852	Vegetables	272	0	272	27200	272	0.135	36.72
				Flowers	10	0	10	100	10	0.135	1.35
				Fruits (non perenial)	347	0	347	3470	347	0.135	46.845
				Spices	70	0	70	700	70	0.135	9.45
				Total	699	0	699	31470	699		94.365
North Bengal TOTAL		74896	29919		29372.44	11469.18	17898	323320.6	31878.126		2416.355
TOTAL		209456	91511		76999.2	26549	50445	732347.3	166838.01		6915.47

Total Loss : Rs. 166838.01 lakh

Fisheries Department :

Sl.No.	Name of affected district									
		Partly damaged boat	Fully damaged boat	Loss of fishery requisite (net, Handi in nos.)	Water area affected in Ha.	Loss of Fish seed in million	Loss of Table Fish in Ton	Approximate loss in Rs. Lakh	Partly Damaged fishermen hut	Fully Damaged fishermen hut
1	Howrah	105	33	2800	1560	0	2923	306.773	0	0
2	Paschim Medinipur	30	0	525	3868	0	3609	332.06	0	0
3	Hooghly	48	99	1477	2261	1260	6330	8063.9	0	0
4	Purba Burdwan	0	0	0	220	200	125	299.975	0	0
5	Bankura	2	0	191	697.5	217.99	609.044	682.13	0	44
Sub total1		185	132	4993	8606.5	1677.99	13596.044	9684.838	0	44
6	North 24 Parganas	0	0	0	382	0	165	235	0	0
7	South 24 Parganas	0	0	62	767.65	0	656.57	64.56	267	876
8	Murshidabad	0	0	0	254	52	172	592	124	0
9	Nadia	0	0	0	0	0	0	0	0	0
10	Birbhum	0	0	0	435	2.17	17.4	117.45	0	0
11	Purulia	0	50	1130	431	0	121	92.649	0	27
12	Paschim Burdwan	0	0	0	55	58	27	85	31	9
13	Purba Medinipur	0	0	0	441	0	1417	1473	0	0
14	Jhargram	0	0	31	218	0	66.1	18.68	0	0
Sub total2		0	50	1223	2983.65	112.17	2642.07	2678.339	422	912
South Bengal TOTAL		185	182	6216	11590.15	1790.16	16238.11	12363.177	422	956

Sl.No.	Name of affected district									
		Partly damaged boat	Fully damaged boat	Loss of fishery requisite (net, Handi in nos.)	Water area affected in Ha.	Loss of Fish seed in million	Loss of Table Fish in Ton	Approximate loss in Rs. Lakh	Partly Damaged fishermen hut	Fully Damaged fishermen hut
15	Cooch Behar	2	35	126	1915.52	696.13	876.11	1426.99	404	22
16	Alipurduar	0	0	0	231	900	15.15	439	0	0
17	Jalpaiguri			850	925	1.1	830	1200		
18	Malda	16	15	400	6000	200	700	780	8000	3000
19	Uttar Dinajpur	0	0	0	755	0	755	1132.5		
20	Dakshin Dinajpur	30	10	2100	9000	300	1200	1542	10000	5000
21	Darjeeling									
North Bengal TOTAL		48	60	3476	18826.52	2097.23	4376.26	6520.49	18404	8022
TOTAL		233	242	9692	30416.7	3887.39	20614.37	18883.67	18826	8978

Total for Fisheries Department : Rs. 18883.67 Lakh

Animal resource and Development Department:

Sl.No.	Name of affected district	ARD Department														Total Loss in Rs. Lakh
		Cattle Loss	Sheep & Goat Loss	Poultry loss	No. Of cattle sheltered	Cost of Cattle Loss in Rs. Lakh	Cost of Sheep & Goat Loss in Rs. Lakh	Cost of Poultry Loss in Rs. Lakh	Loss of Poultry Shed in Rs. Lakh	No. of animal & birds treated	No. of animal & birds vaccinated	Cost of Fodder & Medicine, contingency etc is Rs. Lakh				
1	Howrah	27	134	16125	2073	5.58	4.02	8.0625	0	21999	5050	5.5	2.75	1.5	9.75	27.41
2	Paschim Medinipur	6	0	0	13178	1.37	0	0	276.738	99003	36750	43.475	14	4	61.475	339.58
3	Hooghly	1	27	0	24786	0.3	0.81	0	0	17750	6202	11.16			11.16	12.27
4	Purba Burdwan	0	0	0	4052	0	0	0	0						0	0.00
5	Bankura	5	20	4600	0	1.5	0.6	2.3	0.399	4246	2402				0	4.80
Sub total1		39	181	20725	44089	8.75	5.43	10.3625	277.137	142998	50404	60.135	16.75	5.5	82.385	384.06
6	North 24 Parganas	0	0	0	0	0	0	0	0						0	0.00
7	South 24 Parganas	0	0	0	0	0	0	0	0						0	0.00
8	Murshidabad	0	0	0	0	0	0	0	0			5		0.5	5.5	5.50
9	Nadia	0	0	0	0	0	0	0	0						0	0.00
10	Birbhum	1	0	0	0	0.25	0	0	5.95	1242					0	6.20
11	Purulia	0	0	0	0	0	0	0	0						0	0.00
12	Paschim Burdwan	0	0	0	0	0	0	0	0						0	0.00
13	Purba Medinipur	0	0	0	0	0	0	0	0						0	0.00
14	Jhargram	0	0	0	0	0	0	0	0						0	0.00
Sub total2		1	0	0	0	0.25	0	0	5.95	1242	0	5	0	0.5	5.5	11.70
South Bengal TOTAL		40	181	20725	44089	9	5.43	10.3625	283.087	144240	50404	65.135	16.75	6	87.885	395.76
15	Cooch Behar	39	62	1921	117370	11.7	1.86	0.9605		104835	92758	7.8	17.9551	5.85	31.6051	46.13
16	Alipurduar					0	0	0							0	0.00
17	Jalpaiguri	6	14		14000	1.66	0.42	0		20792	10971	2.875	5	2	9.875	11.96

Sl.No.	Name of affected district	ARD Department													Total Loss in Rs. Lakh	
		Cattle Loss	Sheep & Goat Loss	Poultry loss	No. Of cattle sheltered	Cost of Cattle Loss in Rs. Lakh	Cost of Sheep & Goat Loss in Rs. Lakh	Cost of Poultry Loss in Rs. Lakh	Loss of Poultry Shed in Rs. Lakh	No. of animal & birds treated	No. of animal & birds vaccinated	Cost of Fodder & Medicine, contingency etc is Rs. Lakh				
18	Malda	210	290	55321	194218	63	8.7	27.6605		136703	62335	43.75	40	10	93.75	193.11
19	Uttar Dinajpur	12	4	4701	0	3.46	0.12	2.3505		153681	58280	3000	52	25	3077	3082.93
20	Dakshin Dinajpur	320	897	74307	87745	96	26.91	37.1535		286625	27176	48.5875	5.48368	5.5	59.57118	219.63
21	Darjeeling (Siliguri MP)				0	0	0	0		7710	5906	3.05	1.5	0.95	5.5	5.50
North Bengal TOTAL		587	1267	136250	413333	175.82	38.01	68.125	0	710346	257426	3106.063	121.9388	49.3	3277.3	3559.256
TOTAL		627	1448	156975	457422	184.82	43.44	78.4875	283.087	854586	307830	3171.2	138.689	55.3	3365.2	3955.02

Total Loss : 3955.02 lakh

Water Resources Investigation & Development Department

Sl.No.	Name of affected district	WRI&DD					
		Agri-Irrigation		Agri-Mechanical		Total No. of Structure affected	Total cost involved (in lakh)
		No. of Structure affected (DTW)	Cost involved (in Lakh)	No. of Structure affected (RLI)	Cost involved (in Lakh)		
1	Howrah	0	0.00	98	526.00	98	526.00
2	Paschim Medinipur	36	220.34	32	160.00	68	380.34
3	Hooghly	31	44.00	125	410.30	156	454.30
4	Purba Burdwan	0	0.00	46	85.00	46	85.00
5	Bankura	9	52.58	15	63.00	24	115.58
Sub total1		76	316.92	316	1244.3	392	1561.22
6	North 24 Parganas	0	0	0	0	0	0.00
7	South 24 Parganas	0	0	0	0	0	0.00
8	Murshidabad	0	0	0	0	0	0.00
9	Nadia	0	0	0	0	0	0.00
10	Birbhum	0	0	0	0	0	0.00
11	Purulia	0	0	0	0	0	0.00
12	Paschim Burdwan	0	0	0	0	0	0.00
13	Purba Medinipur	0	0	0	0	0	0.00
14	Jhargram	0	0	0	0	0	0.00
Sub total2		0	0	0	0	0	0
South Bengal TOTAL		76	316.92	316	1244.3	392	1561.22
15	Cooch Behar	12	12	98	278.29	110	290.29
16	Alipurduar			11	22	11	22.00
17	Jalpaiguri			21	41	21	41.00

Sl.No.	Name of affected district	WRI&DD					
		Agri-Irrigation		Agri-Mechanical		Total No. of Structure affected	Total cost involved (in lakh)
		No. of Structure affected (DTW)	Cost involved (in Lakh)	No. of Structure affected (RLI)	Cost involved (in Lakh)		
18	Malda	6	6	113	413	119	419.00
19	Uttar Dinajpur	36	48.77	61	150.2	97	198.97
20	Dakshin Dinajpur			183	597	183	597.00
21	Darjeeling					0	0.00
North Bengal TOTAL		54	66.77	487	1501.49	541	1568.26
TOTAL		130	383.69	803	2745.79	933	3129.48

Total Loss : 3129.48 lakh

Irrigation & Waterways Department

Sl.No.	Name of affected district	Irrigation									
		Length of damaged embankment on rivers, drainage channels, irrigation I&WD (Km)	canals and seafront etc. Ex- Zamindary (Km)	Total (Km)	Breaches to embankments on rivers, drainage channels, irrigation canals I&WD (No.)	Canal and seafront etc. Ex- Zamindary (No)	Total (No.)	Total number of damaged structures, including sluices, inlets, regulators and bridges etc. (No.)	Subsidence of river/ drainage channel banks due to heavy discharge (Km)	Length of damaged inspection paths / roads on banks/ embankments of rivers, channels and irrigation canals (Km)	Assessed restoration cost on account of various damages (In Rs. Lakh)
1	Howrah	20.73	7.87	28.6	22	50	72	26	10.74	47.3	6552
2	Paschim Medinipur	8.91	3.93	12.84	1	3	4	3	2	30.85	2182
3	Hooghly	24.9	10.4	35.3	5	4	9	11	10.45	21	3595
4	Purba Burdwan	34.32	0	34.32	2	2	4	15	9.49	58.41	1382
5	Bankura	4.74	0	4.74	0	0	0	9	15.95	24.2	3875
Sub total1		93.6	22.2	115.8	30	59	89	64	48.63	181.76	17586
6	North 24 Parganas	7.87	0	7.87	0	0	0	1	0.12	0	307
7	South 24 Parganas	41.85	0	41.85	0	0	0	66	0	0	873
8	Murshidabad	0.08	0.33	0.41	0	1	1	3	2.52	0	1545
9	Nadia	0	0	0	0	0	0	0	0.7	0	141
10	Birbhum	0.05	0.1	0.15	1	2	3	1	0.8	0	376
11	Purulia	3.86	0	3.86	9	0	9	1	0.86	0	44
12	Paschim Burdwan	0	0	0	0	0	0	0	0	0	0
13	Purba Medinipur	3.83	3.42	7.25	0	0	0	9	0.73	90.4	1969
14	Jhargram	0	0	0	0	0	0	0	0	0	0
Sub total2		57.54	3.85	61.39	10	3	13	81	5.73	90.4	5255

Sl.No.	Name of affected district	Irrigation									
		Length of damaged embankment on rivers, drainage channels, irrigation I&WD (Km)	canals and seafront etc. Ex-Zamindary (Km)	Total (Km)	Breaches to embankments on rivers, drainage channels, irrigation canals I&WD (No.)	Canal and seafront etc. Ex-Zamindary (No)	Total (No.)	Total number of damaged structures, including sluices, inlets, regulators and bridges etc. (No.)	Subsidence of river/ drainage channel banks due to heavy discharge (Km)	Length of damaged inspection paths / roads on banks/ embankments of rivers, channels and irrigation canals (Km)	Assessed restoration cost on account of various damages (In Rs. Lakh)
South Bengal TOTAL		151.14	26.05	177.19	40	62	102	145	54.36	272.16	22841
15	Cooch Behar	3.93	0	3.93	6	0	6	0	11	0	1228
16	Alipurduar	5.4	0	5.4	6	0	6	0	7.54	0	1736
17	Jalpaiguri	6.88	0	6.88	0	0	0	0	0	1.98	811
18	Malda	2.79	0	2.79	0	0	0	0	9	1.42	1111
19	Uttar Dinajpur	41.28	1	42.28	7	0	7	9	0	0	1050
20	Dakshin Dinajpur	33.2	1.2	34.4	11	6	17	8	0.9	0	1500
21	Darjeeling (SMP Area)	1.9	0	1.9	0	0	0	0	0.3	5.3	285
North Bengal TOTAL		95.38	2.2	97.58	30	6	36	17	28.74	8.7	7721
TOTAL		246.52	28.25	274.77	70	68	138	162	83.1	280.86	30562

Total Loss : Rs. 30562 Lakh

Public Works Department

Sl.No	Name of affected district	Water Over topped length (km)				Breached length (m)	No. of damaged culvert	No. of damaged bridge	Damaged length (km)				Cost of Creating Waterways	Cost of repairing Bridge & Culvert	Temporary Restoration Cost (Approx.) (in Lakh)	Total Restoration Cost (Approx.) (in Lakh)
		SH	MDR	RR	Total				SH	MDR	RR	Total				
1	Howrah										33.30			800.00	800.00	
2	Paschim Medinipur										95.77			567.80	567.8	
3	Hooghly										57.22			1110.00	1110	
4	Purba Burdwan										9.30			60.00	60	
5	Bankura										0.95			245.00	245	
Sub total1											196.54			2782.80	2782.8	
6	North 24 Parganas										58.15			392.00	392	
7	South 24 Parganas										0.00			0.00	0	
8	Murshidabad										1.95			25.00	25	
9	Nadia										0.00			0.00	0	
10	Birbhum										26.22			188.00	188	
11	Purulia										0.00			0.00	0	
12	Paschim Burdwan										22.50			150.00	150	
13	Purba Medinipur										0.40			5.00	5	
14	Jhargram										9.82			96.20	96.2	
Sub total2											119.04			856.20	856.2	

Sl.No	Name of affected district	Water Over topped length (km)				Breached length (m)	No. of damaged culvert	No. of damaged bridge	Damaged length (km)				Cost of Creating Waterways	Cost of repairing Bridge & Culvert	Temporary Restoration Cost (Approx.) (in Lakh)	Total Restoration Cost (Approx.) (in Lakh)
		SH	MDR	RR	Total				SH	MDR	RR	Total				
South Bengal TOTAL												315.58			3639.00	3639
15	Cooch Behar	5.1	71.25	87.09	163.44	0.705	9	1	0.3	74.28	63.1	137.68	3436.875	110	1433.4728	4980.3478
16	Alipurduar	12	15.8	0	27.8	0	1	1	19	20.05	6.1	45.15	0	30	586.271	616.271
17	Jalpaiguri	0	4.9	0.72	5.62	0.02	4	0	0	18.02	10.32	28.34	97.5	40	305.0888	442.5888
18	Malda	1.03	42.16	5	32.19	0.2	2	3	1.005	38.96	5	44.965	975	80	530.83035	1585.83035
19	Uttar Dinajpur	0	88.82	0	88.82	0	1	3	0	105.37	1.2	106.57	0	70	1291.2952	1361.2952
20	Dakshin Dinajpur	1	27.15	0	28.15	0	0	0	1	37.65	0	38.65	0	0	473.174	473.174
21	Darjeeling	0	0	0	0	0.22	0	0	0.02	0.056	0	0.076	1072.5	0	0.98796	1073.48796
	NH Wing				16	85		8				23				1900
North Bengal TOTAL		19.13	250.08	92.81	362.02	86.145	17	16	21.325	294.39	85.72	424.431	5581.875	330	4621.1201	12432.995
TOTAL		19.13	250.08	92.81	362.02	86.145	17	16	21.325	294.39	85.72	740.01	5581.88	330	8260.1201	16071.995

Total Loss : Rs. 16071.995 lakh

Panchayat & Rural Development Department

		No. of Damage d/ Inundat ed PMGSY Road	Damage d/ Inundat ed PMGSY Road in Kms.	Approxima te cost of damage of PMGSY (In Lakhs)	No. of Damage d/ Inundat ed RIDF Road	No. of Damag ed Bridges / Culverts under RIDF	Damage d/ Inundat ed RIDF Road in Kms.	Approxima te cost of damage of RIDF (In Lakhs)	No. of Damage d/ Inundat ed OTHER Road	No. of Damag ed Bridges / Culverts under OTHER FUND	Damage d/ Inundat ed OTHER Road in Kms.	Approxima te cost of damage of OTHER (In Lakhs)	TOTAL No. of Damage d/ Inundat ed Road in Kms.	TOTAL No. of Damag ed Bridges / Culvert.	TOTAL Damage d/ Inundat ed Road in Kms.	TOTAL Approxima te cost of damage (In Lakhs)
1	Howrah	20	92.46	581.59	3		3.16	43.00	49	1	103.93	1898.36	72	1	199.55	2522.95
2	Paschim Medinipur	68	212.25	2402.80	4	1	27.50	780.00	0	4	0.00	0.00	72	5	239.75	3182.8
3	Hooghly	36	50.75	814.23	7		14.69	192.89	12	3	25.56	567.00	55	3	91	1574.12
4	Purba Burdwan	11	35.25	312.00	17		69.00	1155.00	57	21	127.00	2703.00	85	21	231.25	4170
5	Bankura	21	11.6	354.11	4		28.00	325.00	13		62.00	900.00	38	0	101.6	1579.11
Sub total1		156	402.31	4464.73	35	1	142.35	2495.89	131	29	318.49	6068.36	322	30	863.15	13028.98
6	North 24 Parganas	0	0	0.00					21		9.00	175.90	21	0	9	175.9
7	South 24 Parganas	0	0	0.00	85		428.00	6423.00	38	12	265.12	10543.00	123	12	693.12	16966
8	Murshidab ad	13	21.73	108.60	4		23.70	49.00	4		5.00	18.00	21	0	50.43	175.6
9	Nadia	0	0	0.00	17		48.00	602.00	0		0.00	0.00	17	0	48	602
10	Birbhum	6	1.28	71.18	0		0.00	0.00	0		0.00	0.00	6	0	1.28	71.18
11	Purulia	4	0.9	29.11	13		98.80	790.00	8	1	85.00	1031.00	25	1	184.7	1850.11
12	Paschim Burdwan	12	44.54	304.40	9		16.50	198.58	27		82.00	1177.47	48	0	143.04	1680.45
13	Purba Medinipur	20	67	778.00	3		24.84	198.72	0		0.00	0.00	23	0	91.84	976.72
14	Jhargram	3	0.7	26.00	4		48.00	695.00	0		0.00	0.00	7	0	48.7	721
Sub total2		58	136.15	1317.29	135	0	687.84	8956.30	98	13	446.12	12945.37	291	13	1270.11	23218.96
South Bengal TOTAL		214	538.46	5782.02	170	1	830.19	11452.19	229	42	764.61	19013.73	613	43	2133.26	36247.94

		No. of Damage d/ Inundat ed PMGSY Road	Damage d/ Inundat ed PMGSY Road in Kms.	Approxima te cost of damage of PMGSY (In Lakhs)	No. of Damage d/ Inundat ed RIDF Road	No. of Damag ed Bridges / Culverts under RIDF	Damage d/ Inundat ed RIDF Road in Kms.	Approxima te cost of damage of RIDF (In Lakhs)	No. of Damage d/ Inundat ed OTHER Road	No. of Damag ed Bridges / Culverts under OTHER FUND	Damage d/ Inundat ed OTHER Road in Kms.	Approxima te cost of damage of OTHER (In Lakhs)	TOTAL No. of Damage d/ Inundat ed Road in Kms.	TOTAL No. of Damag ed Bridges / Culvert.	TOTAL Damage d/ Inundat ed Road in Kms.	TOTAL Approxima te cost of damage (In Lakhs)
15	Cooch Behar	45	17.66	382.80									45	0	17.66	382.8
16	Alipurduar	16	2.09	171.84									16	0	2.09	171.84
17	Siliguri	16	71.36	1170.30									16	0	71.36	1170.3
18	Jalpaiguri	15		597.47									15	0	0	597.47
19	Malda	14	37.89	230.00									14	0	37.89	230
20	Uttar Dinajpur	37	86.00	688.00									37	0	86	688
21	Dakshin Dinajpur	226	469.10	4222.00									226	0	469.1	4222
22	Darjeeling	50		8600.00									50	0	0	8600
North Bengal TOTAL		419	684.10	16062.41	0	0	0	0	0	0	0	0	419	0	684.1	16062.41
TOTAL		633	1222.56	21844.43	170	1	830.19	11452.19	229	42	764.61	19013.73	1032	43	2817.36	52310.35

Total Loss : Rs. 52310.35 lakh

Industry Commerce & Enterprises Department (MSME):

Sl.No.	Name of affected district	Workshed Damaged		Looms Damaged		Raw materials and finished goods damaged	Mandays lost		TOTAL	
		Number	Amount (In Rs.) @ Rs 4100/- per damaged wordshed	Number	Amount (In Rs.) @ Rs 4100/- per damaged loom	Amount (In Rs.)	Number of days	Amount (In Rs.) @ Rs 200/- for each Mandays lost.	(In Rs)	In Rs Lakh
1	Howrah	690	2829000	12163	49868300	6569000	63050	12610000	71876300	718.763
2	Paschim Medinipur	90	369000	166	680600	1569700	3830	766000	3385300	33.853
3	Hooghly	517	2119700	669	2742900	1098800	10300	2060000	8021400	80.214
4	Purba Burdwan	3100	12710000	14500	59450000	69002000	90000	18000000	159162000	1591.62
5	Bankura									0
Sub total1		4397	18027700	27498	112741800	78239500	167180	33436000	242445000	2424.45
6	North 24 Parganas									0
7	South 24 Parganas									0
8	Murshidabad									0
9	Nadia	1218	4993800	1502	6158200	2436000	3000	600000	14188000	141.88
10	Birbhum	830	3403000	937	3841700	5002000	3000	600000	12846700	128.467
11	Purulia									0
12	Paschim Burdwan									0
13	Purba Medinipur									0
14	Jhargram									0
Sub total2		2048	8396800	2439	9999900	7438000	6000	1200000	27034700	270.347
South Bengal TOTAL		6445	26424500	29937	122741700	85677500	173180	34636000	269479700	2694.797

Sl.No.	Name of affected district	Workshed Damaged		Looms Damaged		Raw materials and finished goods damaged	Mandays lost		TOTAL	
		Number	Amount (In Rs.) @ Rs 4100/- per damaged wordshed	Number	Amount (In Rs.) @ Rs 4100/- per damaged loom	Amount (In Rs.)	Number of days	Amount (In Rs.) @ Rs 200/- for each Mandays lost.	(In Rs)	In Rs Lakh
15	Cooch Behar	1100	4510000	900	3690000	6150000	1500	300000	14650000	146.5
16	Alipurduar	210	861000	230	943000	1025000	2500	500000	3329000	33.29
17	Jalpaiguri	40	164000	40	164000	205000	500	100000	633000	6.33
18	Malda									0
19	Uttar Dinajpur	48	196800	160	656000	5902000	2590	518000	7272800	72.728
20	Dakshin Dinajpur	198	811800	488	2000800	36583000	53300	10660000	50055600	500.556
21	Darjeeling (Siliguri)									0
North Bengal TOTAL		1596	6543600	1818	7453800	49865000	60390	12078000	75940400	759.404
TOTAL		8041	32968100	31755	130195500	135542500	233570	46714000	345420100	3454.201

Total Loss : 3454.201 lakh

Public Health Engineering Department

Sl.No.	Name of affected district	PWSS	Tubewell	Cost Involve in Rs. Lakh
1	Howrah	5	3400	50.14
2	Paschim Medinipur	24	11263	430.93
3	Hooghly	29	3009	136
4	Purba Burdwan		976	44.88
5	Bankura	32	4700	873.7
Sub total1		90	23348	1535.65
6	North 24 Parganas			0
7	South 24 Parganas			0
8	Murshidabad		450	39.75
9	Nadia			0
10	Birbhum	12		158.99
11	Purulia	25		469.5
12	Paschim Burdwan	8		72
13	Purba Medinipur			0
14	Jhargram	1		51.5
Sub total2		46	450	791.74
South Bengal TOTAL		136	23798	2327.39
15	Cooch Behar	70	40000	690
16	Alipurduar	19	9000	171.5
17	Jalpaiguri	19	9000	171.5
18	Malda	20	10000	185
19	Uttar Dinajpur	80	69000	986.5
20	Dakshin Dinajpur	54	20000	440
21	Darjeeling	0	0	0
North Bengal TOTAL		262	157000	2644.5
TOTAL		398	180798	4971.89
11 MTU have already been deployed. 2 nos. to be deployed shortly. A) Depolyment Chg: Rs. 3,60,000.00 B) Production cost for 15 days : Rs. 1,95,00,000.00 Replacement of catridge & membrane: Rs. 50,00,000.00				258.5
Grand Total				5230.39

Total Loss : 5230.39 lakh

Health & Family Welfare Department

Sl.No.	Name of affected district	Health & Family Welfare				Estimated Cost for repairing / Renovation in Rs. Lakh
		No. of State General Hospital affected	No. of BPHC / RH Affected	No. of PHC Affected	No. of Sub Center Affected	
1	Howrah	1	1	8	0	480
2	Paschim Medinipur	0	1	2	42	244
3	Hooghly	0	1	5	28	336
4	Purba Burdwan	0	0	0	0	0
5	Bankura	0	0	0	0	0
Sub total1		1	3	15	70	1060
6	North 24 Parganas	0	0	0	0	0
7	South 24 Parganas	0	0	0	0	0
8	Murshidabad	0	0	0	0	0
9	Nadia	0	0	0	0	0
10	Birbhum	0	0	0	0	0
11	Purulia	0	0	0	0	0
12	Paschim Burdwan	0	0	0	0	0
13	Purba Medinipur	0	0	0	0	0
14	Jhargram	0	0	0	0	0
Sub total2		0	0	0	0	0
TOTAL for repairing / Renovation in Rs. Lakh		1	3	15	70	1060
Cost for ORS / Halogen Tablet, AVS , Bleaching powder						400
South bengal TOTAL						1460
15	Cooch Behar		3	1	20	320
16	Alipurduar				10	20
17	Jalpaiguri				25	50
18	Malda		1	1	7	134
19	Uttar Dinajpur		7		20	600
20	Dakshin Dinajpur		6		16	512
21	Darjeeling					0
Purchase of ORS, Halogen etc.						650
North Bengal TOTAL		0	17	2	98	2286
TOTAL		1	20	17	168	3746

Total Loss : Rs. 3746 Lakh

Department of Power & Non-conventional Energy Sources :

Sl.No.	Name of affected district	WBSEDCL				Financial Involvement Amount Rs. in Lac
		Physical Damage				Amount Rs. in Lac
		HT Pole	LT Pole	DTR	Conductor in km.	
1	Howrah	20	127	19	13.65	20.25
2	Paschim Medinipur	55	109	331	15.23	320.53
3	Hooghly	46	47	100	8.63	85.94
4	Purba Burdwan	2	16	21		15.01
5	Bankura	100	131	52		41.9
Sub total1		223	430	523		483.63
6	North 24 Parganas	0	0	0		0
7	South 24 Parganas	0	0	0		0
8	Murshidabad	0	0	0		0
9	Nadia	0	0	0		0
10	Birbhum	10	26	5	3.34	20.72
11	Purulia	0	0	0		0
12	Paschim Burdwan	9	9	4		7.07
13	Purba Medinipur	0	0	0		0
14	Jhargram	0	0	0		0
Sub total2		19	35	9		27.79
South Bengal TOTAL		242	465	532		511.42
15	Cooch Behar	100	250	181	53	221.5
16	Alipurduar	0	48	79	7.2	84.52
17	Jalpaiguri	29	94	39	18.5	53.17
18	Malda	15	20	56	5.8	60.3
19	Uttar Dinajpur	30	90	191	18	204.8
20	Dakshin Dinajpur	20	25	120	7	125.3
21	Darjeeling	0	0	0		0
North Bengal TOTAL		194	527	666		749.59
TOTAL		436	992	1198		1261.01

Total Loss : Rs. 1261.01 lakh

School Education Department :

Sl.No.	Name of affected district	School Education		
		No. of Primary School affected	No. of Secondary School affected	Estimated cost for repairing / Renovation in Rs. Lakh
1	Howrah	22	86	183
2	Paschim Medinipur	214	73	1116
3	Hooghly	0	34	136
4	Purba Burdwan	0	0	0
5	Bankura	6	2	20
Sub total1		242	195	1455
6	North 24 Parganas	0	0	0
7	South 24 Parganas	0	0	0
8	Murshidabad	0	0	0
9	Nadia	0	0	0
10	Birbhum	0	0	0
11	Purulia	0	0	0
12	Paschim Burdwan	0	0	0
13	Purba Medinipur	0	1	4
14	Jhargram	0	0	0
Sub total2		0	1	4
South Bengal TOTAL		242	196	1459
15	Cooch Behar		187	1516
16	Alipurduar		133	1065
17	Jalpaiguri			
18	Malda		276	2208
19	Uttar Dinajpur		132	1060
20	Dakshin Dinajpur		283	2264
21	Darjeeling (Siliguri)			
North Bengal TOTAL		0	1011	8113
TOTAL		242	1207	9572

Total Loss : Rs. 9572 lakh

ASSISTANCE TO BE PROVIDED OUT OF THE SDRF

Funds Available in the SDRF Rs. In Crore

STATUS OF EXPENDITURE FROM STATE DISASTER RESPONSE FUND (SDRF) ACCOUNT		
Year 2017-18		
State :: West Bengal		
		Rs. in Crore
Sl No.	Items	Amount
	(i) Receipts	
1	Opening Balance in SDRF account as on 01.04.17	
	(a) SDRF (including interest of 2016-17)	624.0288
	(b) NDRF	405.8300
	(c) Total	1029.8588
2	SDRF Release made during the instant financial year (Central & State Share)	
	(a) First Instalment	284.5000
	(b) Second Instalment	
	(c) Total	284.5000
3	NDRF release during the instant financial year, if any	
4	Interest received on investment made as per CRF Scheme	0.0000
5	Total fund available in the SDRF account (1+2+3+4)	1314.3588
	(ii) Expenditure	
6	Expenditure incurred as per norms on approved natural calamities as per the schemes of SDRF/NDRF	280.4845
7	Expenditure incurred on training to specialised Teams of the State Personnel	3.0511
8	Expenditure incurred on procurement of search & rescue equipments	7.0000
9	Total expenditure (6+7+8)	290.5356
10	Balance available in the SDRF account of the instant financial year	
	(a) SDRF (Item No.5 - Item No. 9 - Item No. 10(b))	617.9932
	(b) NDRF (Item No. 3 - NDRF release during 2016-17)	405.8300
	(c) Total (a+b)	1023.8232

PICTURE GALLERY



Figure 1: Road Washed away at Arunda GP, Khanakul 1 block, Hoogly districts.



Figure 2: People living on top of the house at Chabbispur village, Arunda village, Khanakul 1 block, Hoogly



Figure 3: People evacuated ground floor and started shifting to 1st floor at Chabbisipur village, Khanakul 1 block, Hoogly.



Figure 4: Jute fields are damaged by flood water at Arunda GP, Khanakul 1, Hoogly.



Figure 5: ASHA worker along with Gram Panchyat member and villagers of Chabbisipur reported the flood situation under Arunda GP, Khanakul 1 block, Hoogly.



Figure 6: AWC of Chabbisipur village still inundated by flood water, khanakul 1, hoogly



Figure 7: Tube well still submerged with flood water at Chabbispur village under Arunda GP in Khanakul 1 block of Hoogly



Figure 8: Village has been disconnected with flood water from main road at Arunda GP, Khanakul 1 block and Hoogly.



Figure 9: Children are not going to school as the schools are not in condition of accessible in Arunda GP, Khanakul 1, Hoogly.



Figure10: Flooded School Building at Village - Chitkola, Jangipara Block, District – Hooghly



Figure 11 Electric Supply Faced Challenge at Village - Chitkola, Jangipara Block, District – Hooghly



Figure12 Satighat, Bankura Town



Figure 13 SatighatBankura Town at the time of Disaster



Figure 14 SatighatBankura at the time of Flood



Figure 15 Agriculture field under Sand at UttarnityanandapurSamitimana, Radhamohanpur GP, Block - Sonamukhi, Bankura



Figure 16 Fully Damaged House at UttarnityanandapurSamitimana, Radhamohanpur GP, Block - Sonamukhi, Bankura



Figure 17 During Flood (25.07.17) River Damodar made it's path this way at atUttarnityanandapurSamitimana, Radhamohanpur GP, Block - Sonamukhi, Bankura



Figure 18 Loss of Text Books at Gholdighorui Junior High School, Purshura Block, Hooghly



Figure 99 Flood at BoroByinan Village, BoroByinan GP, Block - Raina II, Purba Burdwan



Figure 20 Flood at BoroByinan Village, BoroByinan GP, Block - Raina II, Purba Burdwan



Figure 21 Village: Pratappur, GP: Manoharpur – I, Block: Ghatal, Dist: Paschim Medinipur



Figure 22 Village: Harisingpur, GP: Manoharpur – I, Block: Ghatal, Dist: Paschim Medinipur



Figure 23 Village: Harisingpur, GP: Manoharpur – I, Block: Ghatal, Dist: Paschim Medinipur



Figure 210 Village: Harisingpur, GP: Manoharpur – I, Block: Ghatal, Dist: Paschim Medinipur



Figure 25 Village: Harisingpur, GP: Manoharpur – I, Block: Ghatal, Dist: Paschim Medinipur



Figure 26 Village: Pratappur, GP: Manoharpur – I, Block: Ghatal, Dist: Paschim Medinipur



Figure 211Village: Pratappur, GP: Manoharpur – I, Block: Ghatal, Dist: Paschim Medinipur



Figure 212 Village: Harisingpur, GP: Manoharpur – I, Block: Ghatal, Dist: Paschim Medinipur



Figure 29 Village: Jairampur, GP: Palashpai Block: Daspur - II, Dist: Paschim Medinipur



Figure 30 Village: Jairampur, GP: Palashpai Block: Daspur - II, Dist: Paschim Medinipur



Figure 31 Village: Kheput Dakhinbar, GP: Kheput, Block: Daspur - II, Dist: Paschim Medinipur



Figure 32 Village: Palashpai, GP: Kheput, Block: Daspur - II, Dist: PaschimMedinipur



Flood Situation at Khanakul-II, Hooghly



Flood Situation at Khanakul-II, Hooghly



Road Damaged in Hooghly



House Damaged in Hooghly



NDRF Boat in Rescue & Relief Work at Hooghly



NDRF Boat in Rescue Work at Khanakul-II, Hooghly



Repairing of Roads in Hooghly



Road Damaged in Hooghly



Mobile Medical Team at Hooghly



Relief Materials for Distribution



Distribution of Relief Materials by NDRF at Hooghly



Flood Situation in Howrah



Flood Situation in Howrah



Flood Situation in Howrah



Village Road Damaged at Howrah



Flood Water at Amta-II Dev. Block Office, Howrah



Bridge Damaged at Udaynarayanpur, Howrah



Repairing of Damaged Road at Howrah



Cooked Food Distribution in Relief Camp at Howrah



Dry Food Distribution if Relief Camp at Howrah



Distribution of Cooked Food at Howrah



Temporary Communication Arrangement at Howrah



Flood at Ghatal, Paschim Medinipur



Boats Deployed at Paschim Medinipur



Petrol Pump under Flood Water at Paschim Medinipur



Ghatal Sub-Divisional Hospital, Paschim Medinipur



Road under Water at Ghatal, Paschim Medinipur



House Collapsed at Ghatal, Paschim Medinipur



Helicopter in Rescue Operation at Ghatal, Paschim Medinipur



Helicopter in Rescue Operation at Ghatal, Paschim Medinipur









Narajole-Daspur Road (Chainage 3+500 Kmp.)





Panskuara-Ghatal Road (Chainage 30+500 Kmp)



Kolmijore-Gopigunj Road (Chainage 12+00 Kmp)



Kolmijore-
Gopiganj
Road(6th
kmp)



Kolmijore-gopiganj
Road(14thkmp)





Disaster Management Kits (DM Kit) are ready for distribution



Distribution of DM Kits



**12.08.17 ALIPURDUAR TOWN,
District: ALIPURDUAR**



**12.08.17: RIVER TORSHA AT MADARIHA -
HASHIMARA ROAD, ALIPURDUAR DISTRICT**



**16.08.17: SWARUPGUNJ, MAHANADAPUR GP,
CHANCHAL - I, MALDA**



**2017-08-16: BINDOLE GP, ITAHAR, and
UTTAR DINAJPUR**



16.08.17: SWARUPGUNJ, MAHANADAPUR GP, CHANCHAL - I, MALDA



**2017-08-16: BINDOLE GP, ITAHAR, and UTTAR
DINAJPUR**



**2017-08-15: GANGARAMPUR STATION AREA,
DAKSHIN DINAJPUR**



2017-08-16: KULHARI PRIMARY SCHOOL,
CHANDGUNJ, DAKSHIN DINAJPUR



**2017-08-16: KULHARI PRIMARY
SCHOOL, CHANDGUNJ, DAKSHIN
DINAJPUR**



**2017-08-17: GP: MADNAMOTI 9 , BLOCK -
BAMONGOLA**



**2017-08-17: CHANDPUR -II,
BAMONGOLA, MALDA**



**2017-08-17: GP: MADNAMOTI 9 , BLOCK -
BAMONGOLA**



**2017-08-17: GP: MADNAMOTI 9 , BLOCK -
BAMONGOLA**



**2017-08-16: GP- GOBINDOPUR MOHASPUR,
BLOCK BAMONGOLA, MALDA**



**2017-08-16: GP- GOBINDOPUR MOHASPUR,
BLOCK BAMONGOLA, MALDA**



**2017-08-16: GP- GOBINDOPUR MOHASPUR,
BLOCK BAMONGOLA, MALDA**

Appendix - I

Rainfall information for the district of South Bengal during the period from 21st to 26th July of 2014 to 2017

A	Name of affected district	Rainfall (mm) during the calamity			Rainfall (mm) during the corresponding period in the last three years								
					Last year			Year before last year			Two years before last years		
		21.7.2017 to 26.7.2017			21.7.2016 to 26.7.2016			21.7.2015 to 26.7.2015			21.7.2014 to 26.7.2014		
		A	N	D	A	N	D	A	N	D	A	N	D
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	BANKURA	406.6	60	578	68	60	13	82.4	60	37	22.7	60	-62
2	BIRBHUM	204.5	60.3	239	66.6	60.3	11	192.3	60.3	219	61.1	60.3	1
3	E+W BURDWAN	221.6	56.3	294	43.1	56.3	-24	93.6	56.3	66	59.3	56.3	5
4	EAST MIDNAPORE	232	57.8	301	94.3	57.8	63	133.5	57.8	131	77.4	57.8	34
5	HOOGHLY	210.8	62	240	73.9	62	19	120.3	62	94	51.6	62	-17
6	HOWRAH	270.7	61.7	339	125.8	61.7	104	167.3	61.7	171	41.7	61.7	-32
7	KOLKATA	209.7	68.2	207	129	68.2	89	94.4	68.2	38	28.8	68.2	-58
8	MURSHIDABAD	142.2	67.1	112	40.9	67.1	-39	204.4	67.1	205	54.6	67.1	-19
9	NADIA	181	61.4	195	58.6	61.4	-5	92.4	61.4	51	33.9	61.4	-45
10	NORTH 24 PARGANAS	220.1	63.9	245	102.9	63.9	61	66.4	63.9	4	86.5	63.9	35
11	PURULIA	363.1	43.3	739	57.4	43.3	32	51.6	43.3	19	39.7	43.3	-8
12	SOUTH 24 PARGANAS	288.1	94	206	98.1	94	4	126.1	94	34	80.2	94	-15
13	JHARGRAM+WEST MIDNAPORE	254.7	61.9	312	99.6	61.9	61	107.2	61.9	73	35.8	61.9	-42

Rainfall information for the district of North Bengal during the period from 10th to 14th August of 2014 to 2017

A	Name of affected district	Rainfall (mm) during the calamity			Rainfall (mm) during the corresponding period in the last three years								
					Last year			Year before last year			Two years before last years		
		10.8.2017 to 14.8.2017			10.8.2016 to 14.8.2016			10.8.2015 to 14.8.2015			10.8.2014 to 14.8.2014		
		A	N	D	A	N	D	A	N	D	A	N	D
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	COOCH BEHAR	673.5	180.3	274	15.3	180.3	-92	31.2	180.3	-83	129.7	180.3	-28
2	JALPAIGURI + ALIPURDUAR	625	127.7	389	27.1	127.7	-79	110.9	127.7	-13	138.2	127.7	8
3	MALDA	263.7	47.1	460	49.2	47.1	5	13.1	47.1	-72	48	47.1	2
4	NORTH DINAJPUR	390	61.9	530	10.7	61.9	-83	30.8	61.9	-50	54.4	61.9	-12
5	SOUTH DINAJPUR	404.5	39.3	929	1.8	39.3	-95	11.9	39.3	-70	38.9	39.3	-1

Appendix – II

EXTENT OF DAMAGE DUE TO NATURAL CALAMITIES

State : West Bengal

Nature and period of natural Calamity Flood (21/07/2017 to 14/08/2017)

Sl.No.	Item	Details
1	Total number of districts in the State	23
2	Number and names of districts affected	20
3	Number of villages affected	22023
4	Population affected (in lakh)	107.43
5	Total land area affected (in lakh ha)	
6	Cropped area affected (in lakh ha)	
	(i) Total cropped area affected	1059276.06 hectare
	(ii) Estimated loss to crops (Rs. In lakh)	638420.0900
7	Percentage of area held by SMF :	
	(i) In the State as a whole	
	(ii) In the affected districts	
8	Houses damaged :	
	(a) No. of houses damaged :	
	(i) Fully damaged pucca houses	577
	(ii) Fully damaged kutcha houses	110385
	(iii) Severely damaged pucca houses	1565
	(iv) Severely damaged Kutcha houses	21744
	(v) Partly damaged houses (Pucca+Kutcha)	332704
	(vi) No. of huts damaged	30387
	(b) Estimated value of damage to houses (Rs. In lakh)	622792.57
9	No. of human lives lost	197
10	No. of persons with grievous injuries	
11	No. of persons with minor injuries	
12	Animals lost :-	
	(a) No. of big animals lost	627
	(b) No. of small animals lost	1448
	(c) No. of Poultry (birds) lost	156975
13	Damage to public properties :-	

Sl.No.	Item	Details
	(a) In physical terms (sector wise details 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 buildings damaged etc.)	Total length of damaged PWD road = 740.01 km No. of Damaged culvert = 17 nos. No. of damaged bridge = 16 nos. Length of Damaged PMGSY Road = 1222.56 km. Length of damaged RIDF Road = 830.19 km. Length damaged other Road = 764.61 km Total Nos. of damaged DTW Structure = 130 nos. Total nos. of damaged RLI Structure = 803 nos. Total nos. of Tubewell affected = 1,80,798 Total no. of PWSS affected = 398 Total no. of Schools Building affected = 1449 Handloom Workshed Damaged = 8041 nos. Looms, Tools, Equipment damaged = 31755 nos. HT Pole : 436 nos. LT Pole : 992 nos. DTR Damaged : 1198 Conductor damage in Km.: 150.35
	(b) Estimated value of the damage to public properties (Rs. In lakh)	118674.72
14	Estimated total damage to houses, crops and public properties. (Rs. In lakh)	1596444.56

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 a day) of relief camps	Average duration of operation of relief camps	Average No. of people accommodated per day in the relief camps	Expenditure incurred on (Rs. In lakh)				
					Temporary accommodation	Food	Clothing	Medical care + Bleaching Powder	Other essential items.(DM Kits, transportation, Loading, unloading of Relief Materials, labour charges at relief camps, fuel charges etc.)
1	2	3	4	5	6	7	8	9	10
1	Howrah	30	7	3779.5	3.5	33.75	0.00	4.75	8.50
2	Paschim Midnapur	59	13	9312	38	29.87		5.00	46.00
3	Hooghly	66	13	19851	0.41	58.98	0	1.41	35.86
4	Purba Burdwan	18	3	3500	0	8.60	0.00	6.00	5.60
5	Bankura	17	3	261	0	25.00	0.00	1.00	5.00
	Sub Total:1	38.00	7.80	36703.50	41.91	156.20	0.00	18.16	100.96
6	N.24-Parganas	3	8	394	0	1.70	0.00	1.00	1.00
7	S.24-Parganas	0	0	0	0	0.00	0.00	0.00	0.00
8	Murshidabad	0	0	0	0	0.00	0.00	0.00	0.00
9	Nadia	0	0	0	0	0.00	0.00	0.00	0.00
10	Birbhum	3	3	120	0	0.19	0.00	0.00	0.02
11	Purulia	0	0	0	0	0.00	0.00	0.00	0.00
12	Paschim Burdwan	15	5	99	0	3.80	0.00	0.00	0.70
13	Purba Midnapur	0	0	0	0	0	0	0	0
14	Jhargram	0	0	0	0	0	0	0	5.00
	Sub Total:2	2.33	1.78	613.00	0.00	5.69	0.00	1.00	6.72

Appendix – IV

CALCULATION OF ASSISTANCE FOR AGRICULTURAL INPUT SUBSIDY - SMF

Sl.No.	Name of affected district	Total agricultural area affected (in ha.)	Total agricultural area where crop loss is >33%	Out of (4) area belonging to SMF			Assistance sought for different categories of crops			Total assistance sought (Rs. in lakh)
				Rainfed	Irrigated	Perennial	Rainfed (Rs.6800 x Col. 5A)	Irrigated (Rs.13500 x Col. 5B)	Perennial (Rs.18000 x Col. 5C)	
1	Howrah	17692.7	13582	0	13582		0	1833.57	0.00	1833.57
2	Paschim Medinipur	118108	61716	0	60664	1052	0	8189.64	189.36	8379.00
3	Hooghly	21598	19861	0	19861		0	2681.24	0.00	2681.24
4	Purba Burdwan	34846.58	10527	0	10527		0	1421.15	0.00	1421.15
5	Bankura	17231.5	6327	0	6327		0	854.15	0.00	854.15
Sub total1		209476.78	112013	0	110961	1052	0	14979.74	189.36	15169.10
6	North 24 Parganas	37630	27630	0	27630	0	0	3730.05	0.00	3730.05
7	South 24 Parganas	45027	16288	0	16288		0	2198.88	0.00	2198.88
8	Murshidabad	16450	6426	0	6426		0	867.51	0.00	867.51
9	Nadia	24384	0	0	0	0	0	0.00	0.00	0.00
10	Birbhum	11276	9915	0	9915		0	1338.53	0.00	1338.53
11	Purulia	4571.28	2374	0	2374		0	320.49	0.00	320.49
12	Paschim Burdwan	2725	121	0	121	0	0	16.34	0.00	16.34
13	Purba Medinipur	95929	51218	0	46808	4410	0	6319.08	793.80	7112.88
14	Jhargram	655	423	0	423		0	57.11	0.00	57.11
Sub total2		238647.28	114395	0	109985	4410	0	14847.98	793.80	15641.78

Sl.No.	Name of affected district	Total agricultural area affected (in ha.)	Total agricultural area where crop loss is >33%	Out of (4) area belonging to SMF			Assistance sought for different categories of crops			Total assistance sought (Rs. in lakh)
				Rainfed	Irrigated	Perennial	Rainfed (Rs.6800 x Col. 5A)	Irrigated (Rs.13500 x Col. 5B)	Perennial (Rs.18000 x Col. 5C)	
South Bengal TOTAL		448124.06	226408	0	220946	5462	0	29827.71	983.16	30810.87
15	Cooch Behar	161551	69571	0	69571	0	0	9392.09	0.00	9392.09
16	Alipurduar	28500	26000	0	26000	0	0	3510.00	0.00	3510.00
17	Jalpaiguri	36500	30000	0	30000	0	0	4050.00	0.00	4050.00
18	Malda	87524	66527	0	66527	0	0	8981.15	0.00	8981.15
19	Uttar Dinajpur	132500	132500	0	132500	0	0	17887.50	0.00	17887.50
20	Dakshin Dinajpur	160000	126500	0	126500	0	0	17077.50	0.00	17077.50
21	Darjeeling (Siliguri)	4577	2577	0	2577	0	0	347.90	0.00	347.90
North Bengal TOTAL		611152	453675	0	453675	0	0	61246.13	0	61246.125
TOTAL		1059276.06	680083	0	674621	5462	0	91073.84	983.16	92056.995

Appendix – V

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 lakh)
			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+7B+7C) + (8A+8B+8C)
1																		
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
Total	(in No.)																	

Remarks: In case of farmers other than SMF the assistance may be provided subject to a ceiling of 1 ha/farmer and upto 2 ha/farmer in case of successive calamities irrespective of the size of his holding being large.

TO BE TREATED AS NIL

Appendix – VI

ANIMAL HUSBANDRY (REPLACEMENT OF ANIMALS)

Sl.No.	Name of affected district	No. of cattle lost				No. of animals qualifying for relief grant(i.e. subject to ceiling of 1 large milch animal or 4 small milch animals or 1 large draught animal or 2 small draught animal per household)				Assistance sought (Milch animals @ Rs. 30,000/- Buffalo/cow/camel/yak etc. And Rs. 3000/- sheep/Goat & Draught Animals @ Rs. 25000/- Camel/house/bullock etc. & Rs. 16,000/- Calf/Donkey/Pony/Mule)				No. of poultry lost	No. of Poultry qualifyi ng for relief grant	Assistance sought for poultry in Rs. Lakh	Total assistant sought (11+12+13+14+14C)
		Milch animal		Draught animal		Milch animal		Draught animal		Milch animal		Draught animal					
		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	2	3	4	5	6	7	8	9	10	11	12	13	14	14A	14B	14C	15
1	Howrah	9	134	0	18	9	134	0	18	270000	402000	0	288000	16125	16125	806250	1766250.00
2	Paschim Medinipur	1	0	3	2	1	0	3	2	30000	0	75000	32000	0	0	0	137000.00
3	Hooghly	1	27	0	0	1	27	0	0	30000	81000	0	0	0	0	0	111000.00
4	Purba Burdwan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
5	Bankura	5	20	0	0	5	20	0	0	150000	60000	0	0	4600	4600	230000	440000.00
Sub total1		16	181	3	20	16	181	3	20	480000	543000	75000	320000	20725	20725	1036250	2454250.00
6	North 24 Parganas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
7	South 24 Parganas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
8	Murshidabad	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
9	Nadia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
10	Birbhum	0	0	1	0	0	0	1	0	0	0	25000	0	0	0	0	25000.00

Sl.No.	Name of affected district	No. of cattle lost				No. of animals qualifying for relief grant(i.e. subject to ceiling of 1 large milch animal or 4 small milch animals or 1 large draught animal or 2 small draught animal per household)				Assistance sought (Milch animals @ Rs. 30,000/- Buffalo/cow/camel/yak etc. And Rs. 3000/- sheep/Goat & Draught Animals @ Rs. 25000/- Camel/house/bullock etc. & Rs. 16,000/- Calf/Donkey/Pony/Mule)				No. of poultry lost	No. of Poultry qualifying for relief grant	Assistance sought for poultry in Rs. Lakh	Total assistant sought (11+12+13+14+14C)
		Milch animal		Draught animal		Milch animal		Draught animal		Milch animal		Draught animal					
		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	2	3	4	5	6	7	8	9	10	11	12	13	14	14A	14B	14C	15
11	Purulia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
12	Paschim Burdwan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
13	Purba Medinipur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
14	Jhargram	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Sub total2		0	0	1	0	0	0	1	0	0	0	25000	0	0	0	0	25000.00
South Bengal TOTAL		16	181	4	20	16	181	4	20	480000	543000	100000	320000	20725	20725	1036250	2479250.00
15	Cooch Behar	39	62			39	62			1170000	186000	0	0	1921	1921	96050	1452050.00
16	Alipurduar									0	0	0	0			0	0.00
17	Jalpaiguri	5	14		1	5	14		1	150000	42000	0	16000			0	208000.00
18	Malda	210	290			210	290			6300000	870000	0	0	19218	55321	2766050	9936050.00
19	Uttar Dinajpur	11	4		1	11	4		1	330000	12000	0	16000	1701	4701	235050	593050.00
20	Dakshin Dinajpur	320	897			320	897			9600000	2691000	0	0	84105	74307	3715350	16006350.00
21	Darjeeling									0	0	0	0			0	0.00
North Bengal TOTAL		585	1267	0	2	585	1267	0	2	17550000	3801000	0	32000	106945	136250	6812500	28195500
TOTAL		601	1448	4	22	601	1448	4	22	18030000	4344000	100000	352000	127670	156975	7848750	30674750

Appendix – VII

ASSISTANCE SOUGHT FOR REPAIR/RESTORATION OF DAMAGED HOUSES.

Sl.No.	Name of the affected district	No. of houses damaged													
		Fully damaged pucca houses @ Rs. 95,100 per house		Fully damaged kutcha houses @ Rs. 95,100 per house		Severally damaged pucca houses @ Rs. 95,100 per house		Severally damaged kutcha houses @ Rs. 95,100 per house		Partly damaged pucca houses @ Rs. 5200 per house		Partly damaged kutcha houses @ Rs. 5200 per house		Huts damaged/ destroyed(both pucca and kutcha) @ Rs. 4,100 per hut	
		No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount
1	2	3		4		5		6		7		8		9	
1	Howrah	203	193.053	5788	5504.388	850	808.35	2068	1966.668	450	23.4	9478	492.856	517	21.197
2	Paschim Midnapur	25	23.775	2023	1923.873	76	72.276	2933	2789.283	424	22.048	27873	1449.396	0	0
3	Hooghly	41	38.991	3398	3231.498	346	329.046	2252	2141.652	1099	57.148	11008	572.416	2090	85.69
4	Purba Burdwan	247	234.897	2222	2113.122	202	192.102	1802	1713.702	801	41.652	7283	378.716	0	0
5	Bankura	0	0	14173	13478.523	0	0	0	0	0	0	13223	687.596	27396	1123.236
	Sub Total:1	516	490.716	27604	26251.404	1474	1401.774	9055	8611.305	2774	144.248	68865	3580.98	30003	1230.123
6	N.24-Parganas	0	0	1012	962.412	0	0	10229	9727.779	0	0	0	0	0	0
7	S.24-Parganas	0	0	889	845.439	0	0	0	0	0	0	17485	909.22	0	0
8	Murshidabad	0	0	266	252.966	0	0	0	0	0	0	875	45.5	0	0
9	Nadia	0	0	66	62.766	0	0	0	0	0	0	3793	197.236	0	0
10	Birbhum	0	0	1500	1426.5	0	0	200	190.2	0	0	2000	104	0	0
11	Purulia	61	58.011	517	491.667	91	86.541	460	437.46	248	12.896	5295	275.34	384	15.744
12	Paschim Burdwan	0	0	2464	2343.264	0	0	0	0	0	0	8194	426.088	0	0
13	Purba Midnapur	0	0	805	765.555	0	0	0	0	0	0	5957	309.764	0	0
14	Jhargram	0	0	60	57.06	0	0	0	0	0	0	1456	75.712	0	0
	Sub Total:2	61	58.011	7579	7207.629	91	86.541	10889	10355.439	248	12.896	45055	2342.86	384	15.744

Sl.No.	Name of the affected district	No. of houses damaged													
		Fully damaged pucca houses @ Rs. 95,100 per house		Fully damaged kutcha houses @ Rs. 95,100 per house		Severally damaged pucca houses @ Rs. 95,100 per house		Severally damaged kutcha houses @ Rs. 95,100 per house		Partly damaged pucca houses @ Rs. 5200 per house		Partly damaged kutcha houses @ Rs. 5200 per house		Huts damaged/ destroyed(both pucca and kutcha) @ Rs. 4,100 per hut	
		No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount
South Bengal TOTAL		577	548.727	35183	33459.033	1565	1488.32	19944	18966.744	3022	157.144	113920	5923.84	30387	1245.867
15	Cooch Behar	0	0	16875	16048.125	0	0	0	0	0	0	57933	3012.516	0	0
16	Alipurduar	0	0	608	578.208	0	0	0	0	0	0	5688	295.776	0	0
17	Jalpaiguri	0	0	20	19.02	0	0	0	0	0	0	5541	288.132	0	0
18	Malda	0	0	14899	14168.949	0	0	0	0	0	0	81011	4212.572	0	0
19	Uttar Dinajpur	0	0	1500	1426.5	0	0	1800	1711.8	0	0	2500	130	0	0
20	Dakshin Dinajpur	0	0	41300	39276.3	0	0	0	0	0	0	63089	3280.628	0	0
21	Darjeeling	0	0	0	0	0	0	0	0	0	0	0	0	0	0
North Bengal TOTAL		0	0	75202	71517.102	0	0	1800	1711.8	0	0	215762	11219.624	0	0
TOTAL		577	548.727	110385	104976.14	1565	1488.3	21744	20678.544	3022	157.144	329682	17143.46	30387	1245.867

Appendix – VIII

FORMAT FOR WORKING OUT THE REQUIREMENTS UNDER THE HEAD OF REPAIR OF DAMAGED INFRASTRUCTURE OF IMMEDIATE NATURE

Rs. in Lakh

Sector	Damage in physical terms	Requirement of funds for repair of immediate nature (Rs. in lakh)	Out of (3), amount available from annual maintenance budget	Out of (3), amount available from related schemes/programmes/other sources	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.
1	2	3	4	5	6
Roads & Bridges	Roads : 3557.37 kms. Bridges & Culverts : 76 nos.	17760.42			
Drinking water supply works	PWSS : 398 Tube Well : 180798	271794.00			
Urban					
Rural					
Irrigation	Embankment : 638.73 kms. Damaged structures : 162 nos. RLI & DTW Structures : 933 nos.	33691.48			
**Power	HT Pole : 436 nos. LT Pole : 992 nos. DTR Damaged : 1198 Conductor Damaged in Km. 150.36	51.24			
Primary education	No. of School : 1449	2173.50			
Primary Health Centres	SG Hospital : 1 BPHC / RH : 20 PHC: 17 Sub-center : 168	309.00			
Community assets in social sector owned by Panchayats					

Appendix - IX

STATUS OF EXPENDITURE FROM STATE DISASATER RESPONSE FUND (SDRF) ACCOUNT		
Year 2017-18		
State :: West Bengal		
		Rs. in Crore
Sl No.	Items	Amount
	(i) Receipts	
1	Opening Balance in SDRF account as on 01.04.17	
	(a) SDRF (including interest of 2016-17)	624.0288
	(b) NDRF	405.8300
	(c) Total	1029.8588
2	SDRF Release made during the instant financial year (Cnetral & State Share)	
	(a) First Instalment	284.5000
	(b) Second Instalment	
	(c) Total	284.5000
3	NDRF release during the instant financial year, if any	
4	Interest received on investment made as per CRF Scheme	0.0000
5	Total fund available in the SDRF account (1+2+3+4)	1314.3588
	(ii) Expenditure	
6	Expenditure incurred as per norms on approved natural calamities as per the schemes of SDRF/NDRF	280.4845
7	Expenditure incurred on training to specilased Teams of the State Personnel	3.0511
8	Expenditure incurred on procurement of search & rescue equipments	7.0000
9	Total expenditure (6+7+8)	290.5356
10	Balance available in the SDRF account of the instant financial year	
	(a) SDRF (Item No.5 - Item No. 9 - Item No. 10(b))	617.9932
	(b) NDRF (Item No. 3 - NDRF release during 2016-17)	405.8300
	(c) Total (a+b)	1023.8232

Appendix – X

PROFILE OF THE STATE

Sl. No.	Name of District	Total land are (Sq. Km.)	Number of Villages	Population (in Lakh)	Literacy Rate (in per cent)	Cropped area (in 000 ha)	% of SMF*	Inter-State rivers	Normal annual rainfall (mm.)
1	2	3	4	5	6	7	8	9	10
1	Bankura	6882.00	5187	35.96	64	372.259	86	1	984.9
2	Birbhum	4545.00	2489	35.02	62.2	488.104	-	7	1163.6
3	Purba Burdwan	7024.00	2432	77.23	70.2	466.63	80	3	1032.3
4	Paschim Burdwan								
5	Howrah	1467.00	731	48.41	77	212.856	-	2	1013.3
6	Hooghly	3149.00	3029	55.20	50	195.771	70	3	952.4
7	Nadia	2752.06	1406	51.68	75.58	230.58	70	-	982.3
8	North 24-Parganas	4094.00	1599	100.82	82.07	545.945	47.62	-	1162.5
9	South 24-Parganas	9960.00	2119	81.53	70.16	403.906	-	-	1162.4
10	Paschim Medinipur	9295.28	8735	59.43	66.85	573.575	-	-	1131.6
11	Jhargram								
12	Purba Medinipur	4151.64	3199	50.94	87.66	486.67	-	1	1122.6
13	Purulia	6259.00	2456	29.27	56.14	358.622	19	1	1134.1
14	Murshidabad	5324.00	2220	71.02	55.05	358	-	1	1056.4
15	Malda	3455.66	3701	39.97	40.97	281.28	-	5	1268.5
16	Cooch Behar	3387.00	1703	28.22	67.21	246.491	94	4	2315.9
17	Uttar Dinajpur	3140.00	1516	30.00	49.9	246.381	-	6	1465.6
18	Dakshin Dinajpur	2162.00	1656	16.70	64.5	318.912	78	5	1465.6
19	Darjeeling	3149.00	134	18.42	71.79	4.8	21.24	5	2146.1
20	Kalimpong								
21	Jalpaiguri	3539.72	418	23.78	65.62	329.85		6	2375.6
22	Alipurduar	2687.28	66	14.91	73				2375.5
	Total –	86426.64	44800	868.51		6120.632			

Appendix – XIA

EXTENT OF DAMAGE DUE TO NATURAL CALAMITIES*

State : West Bengal

Type of natural calamity : **Flood**

Sl. No.	Item		Details		
1	Period of occurrence		24-07-2017 to 19-08-2017		
2	Total number of districts in the State		23		
3	Number and names of districts affected – Murshidabad, N 24 Parganas, S 24 Parganas, Howrah, Hooghly, Purba Burdwan, Paschim Burdwan, Birbhum, Bankura, Purulia, West Medinipur, East Medinipur, Jhargram, Nadia, Alipurduar, Jalpaiguri, Coochbehar, Malda, Uttardinajpur, Dakshin Dinajpur		20		
4	Number of villages affected		15653		
5	Population affected (in lakh)		81.05		
6	Total land area affected (in lakh ha)				
7.1	Cropped area affected				
7.1.1	Total cropped area affected (in lakh ha)		10.59		
7.1.2	Estimated loss to crops (Rs. in lakh)		638678.69		
7.1.3	Area where crop damage was more than 33%		6.8		
7.2	Percentage of cropped area held by SMF				
7.2.1	In State, as a whole				
7.2.2	In the affected districts				
8	Houses damaged (Fully & Partly)				
8.1	No. of houses damaged (Total)		497362		
8.1.1	Fully damaged pucca houses		577		
8.1.2	Fully damaged kutcha houses		110385		
8.1.3	Severely damaged pucca houses		1565		
8.1.4	Severely damaged kutcha houses		21744		
8.1.5	Partly damaged houses (pucca + kutcha)		332704		
8.1.6	No. of huts damaged		30387		
8.2	Estimated value of damage to houses (Rs. in lakh)		622792.57		
9	No. of human lives lost		197		
10	No. of persons who suffered grievous injuries		0		
11	No. of persons who suffered minor injuries		0		
12	Animal & Poultry Loss				
12.1	No. of milch animal lost		2049		
12.1.1	Buffalo/Cow/Camel/Yak		601		
12.1.2	Sheep/Goat		1448		
12.1.3	Others (indicate name) (poultry)				
12.2	No. of Draught animals lost		26		
12.2.1	Camel/Horse/Bullock		4		
12.2.2	Calf/Donkey/Pony		22		
12.2.3	Others (indicate name)				
12.3	No. of Poultry birds lost		156975		
13	Damage to public properties		Estimated Loss		
13.1	Roads (All)	Length in kms.	3534.37	Estimated Loss	60570.47
13.1.1	State Roads	Length in kms.	717.01	Estimated Loss	8260.12

Sl. No.	Item			Details	
13.1.2	District Roads	Length in kms.	2052.75	Estimated Loss	33296.62
13.1.3	Village Roads	Length in kms.	764.61	Estimated Loss	19013.73
13.2	Bridges & Culverts	No.		Estimated Loss	
13.2.1	Bridges	No.	8	Estimated Loss	160
13.2.2	Culverts	No.	60	Estimated Loss	170
13.3	Drinking Water Supply	No. of schemes	181196	Estimated Loss	4971.89
13.4	Irrigation Sector	No. of schemes	1233	Estimated Loss	33691.48
13.5	Power Sector	No. of schemes	HT Pole - 436 nos. LT Pole - 992 nos. DTR damage - 1198 nos. Conductor damaged in Km. = 150.35	Estimated Loss	1261.01
13.6	Education Sector				
13.6.1	Primary Schools (Damaged / Destroyed)	No. of buildings.		Estimated Loss	
13.6.2	Middle Schools (Damaged / Destroyed)	No. of buildings.		Estimated Loss	
13.6.3	High/Higher Secondary Schools (Damaged / Destroyed)	No. of buildings.	1449	Estimated Loss	9572.00
13.6.4	Other educational institutes (Damaged / Destroyed)	No. of buildings.		Estimated Loss	
13.7	Health Sector				
13.7.1	PHCs (Damaged / Destroyed)	No. of buildings.	37	Estimated Loss	2280.00
13.7.2	CHCs (Damaged / Destroyed)	No. of buildings.	168	Estimated Loss	336
13.7.3	Other Buildings	No. of buildings	1	Estimated Loss	80

Sl. No.	Item		Details		
	(Damaged / Destroyed)				
14	Total Estimated damage to Houses, Crops and Public Properties.			Estimated Loss	118674.72

Appendix - XIB

State : West Bengal

Extent of damage due to natural calamities*

Sl. No.	Item	Calamities										Total (All calamities)	
		Cy-clone	Drought	Earth-quakes	Fire	Flood	Tsu-nami	Hail-storm	Land-slide	Avalanches	Cloud-burst		Pest Attack
1	Period of occurrence					24-07-2017 to 19-08-2017							
2	Total number of districts in the State					23							
3	Number and names of districts affected					20							
4	Number of villages affected					15653							
5	Population affected (in lakh)					81.05							
6	Total land area affected (in lakh ha.)												
7.1	Cropped area affected												
7.1.1	Total cropped area affected (in lakh ha.)					10.59							
7.1.2	Estimated loss to crops (Rs. in lakh)					638678.69							
7.1.3	Area where crop damage was more than 33%					6.8							
7.2	Percentage of cropped area held by SMF												
7.2.1	In State as a whole												
7.2.2	In the affected districts												
8	Houses damaged												
8.1	No. of houses damaged (Total)					497362							
8.1.1	Fully damaged pucca houses					577							
8.1.2	Fully damaged kutcha houses					110385							
8.1.3	Severely damaged pucca houses					1565							
8.1.4	Severely damaged kutcha houses					21744							

Extent of damage due to natural calamities*

Sl. No.	Item	Calamities											Total (All calamities)
		Cy-clone	Drought	Earth- quakes	Fire	Flood	Tsu- nami	Hail- storm	Land- slide	Avalanches	Cloud- burst	Pest Attack	
8.1.5	Partly damaged houses (pucca + kutcha)					332704							
8.1.6	No. of huts damaged					30387							
8.2	Estimated value of damage to houses (Rs. in lakh)					622792.57							
9	No. of human lives lost					197							
10	No. of persons who suffered grievous injuries					0							
11	No. of persons who suffered minor injuries					0							
12	Animal & Poultry Loss												
12.1	No. of milch animal lost					2049							
12.1.1	Buffalo/Cow/Camel/Yak					601							
12.1.2	Sheep/Goat					1448							
12.1.3	Others (indicate name)												
12.2	No. of Draught animals lost					26							
12.2.1	Camel/Horse/Bullock					4							
12.2.2	Calf/Donkey/Pony					22							
12.2.3	Others (indicate name)												
12.3	No. of Poultry birds lost					156975							
13	Damage to public properties												
13.1	Roads (All)	Length				3534.37							
		Estimated Loss (Rs. in lacs)				60570.47							
13.1.1	State Roads	Length				717.01							
		Estimated Loss (Rs. in lacs)				8260.12							

Extent of damage due to natural calamities*

Sl. No.	Item		Calamities										Total (All calamities)	
			Cy-clone	Drought	Earth- quakes	Fire	Flood	Tsu- nami	Hail- storm	Land- slide	Avalanches	Cloud- burst		Pest Attack
13.1.2	District Roads	Length					2052.75							
		Estimated Loss (Rs. in lacs)					33296.62							
13.1.3	Village Roads	Length					764.61							
		Estimated Loss (Rs. in lacs)					19013.73							
13.2	Bridges & Cutlers	No.												
		Estimated Loss (Rs. in lacs)												
13.2.1	Bridges	No.					8							
		Estimated Loss (Rs. in lacs)					160							
13.2.2	Culverts	No.					60							
		Estimated Loss (Rs. in lacs)					170							
13.3	Drinking Water Supply	No. of schemes					181196							
		Estimated Loss (Rs. in lacs)					4971.89							
13.4	Irrigation Sector	No. of schemes					1233							
		Estimated Loss (Rs. in lacs)					33691.48							
13.5	Power Sector	No. of schemes					HT Pole - 436 nos. LT Pole - 992 nos. DTR damage - 1198 nos. Conductor damaged in							

Extent of damage due to natural calamities*

Sl. No.	Item		Calamities										Total (All calamities)	
			Cy-clone	Drought	Earth- quakes	Fire	Flood	Tsu- nami	Hail- storm	Land- slide	Avalanches	Cloud- burst		Pest Attack
							Km. – 150.35							
		Estimated Loss (Rs. in lacs)					1261.01							
13.6	Education Sector													
13.6.1	Primary Schools (Damaged/Destroyed)	No. of buildings												
		Estimated Loss (Rs. in lacs)												
13.6.2	Middle Schools (Damaged/Destroyed)	No. of buildings												
		Estimated Loss (Rs. in lacs)												
13.6.3	High/Higher Secondary School (Damaged/Destroyed)	No. of buildings					1449							
		Estimated Loss (Rs. in lacs)					9572.00							
13.6.4	Other educational institutes (Damaged/Destroyed)	No. of buildings												
		Estimated Loss (Rs. in lacs)												
13.7	Health Sector													
13.7.1	PHCs (Damaged/Destroyed)	No. of buildings					37							
		Estimated Loss (Rs. in lacs)					2280.00							
13.7.2	CHCs (Damaged/Destroyed)	No. of buildings					168.00							
		Estimated Loss (Rs. in lacs)					336							

Extent of damage due to natural calamities*

Sl. No.	Item		Calamities										Total (All calamities)	
			Cy-clone	Drought	Earth-quakes	Fire	Flood	Tsu-nami	Hail-storm	Land-slide	Avalanches	Cloud-burst		Pest Attack
13.7.3	Other Buildings (Damaged/Destroyed)	No. of buildings					1							
		Estimated Loss (Rs. in lacs)					80.00							
14	Total Estimated damage to Houses, Crops and Public Properties.	Estimated Loss (Rs. in lacs)					118674.72							

Appendix - XII

Statement showing item-wise details of expenditure incurred during 21.7.17 to 25.08.17 as per approved items and norms of SDRF/NDRF- West Bengal

(Rupees in crore)

Code No.	Items	Calamity													
		Avalanche	Cloud Burst	Cyclone	Drought	Earthquake	Fire	Flood & Misc.	Hailstorm	Landslide	Pest Attack	Tsunami	Cold Wave/Frost	Total	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
1	Gratuitous Relief							0.00							
(a)	Ex-Gratia payment to families of deceased persons							0.00							
	(i) As per SDRF/NDRF norms							0.00							
	(ii) Outside the norms							0.00							
	(iii) Total No. of beneficiaries							0.00							
(b)	Ex-Gratia payment for loss of a limb or eyes							0.00							
	(i) As per SDRF/NDRF norms							0.00							
	(ii) Outside the norms							0.00							
	(iii) Total No. of beneficiaries							0.00							
(c)	Grievous injury requiring hospitalization							0.00							

	(i) As per SDRF/NDRF norms							0.00						
	(ii) Outside the norms							0.00						
	(iii) Total No. of beneficiaries							0.00						
(d)	Relief for the old, infirm and destitute children							0.00						
	(i) As per SDRF/NDRF norms							0.00						
	(ii) Outside the norms							0.00						
	(iii) Total No. of beneficiaries							0.00						
(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 a natural calamity							0.00						
	(i) As per SDRF/NDRF norms							4.73						4.7302 32
	(ii) Outside the norms							0.00						
	(iii) No. of families benefited							17000. 00						
(f)	Gratuitous Relief for families in dire need of immediate sustenance after a calamity							0.00						
	(i) As per SDRF/NDRF norms							17.70						17.700 000

	(ii) Outside the norms								0.00							
	(iii) No. of families benefitted								0.00							
2	Supplementary Nutrition								0.00							
	(i) As per SDRF/NDRF norms								0.24							0.2448 00
	(ii) Outside the norms								0.00							
	(iii) No. of beneficiaries								0.00							
3	Assistance to Small and Mariginal Farmers (SMF) for								0.00							
(a)	Desilting of agriculture land								0.00							
	(i) As per SDRF/NDRF norms								0.00							
	(ii) Outside the norms								0.00							
	(iii) Total eligible area (Ha.)								0.00							
	(iv) No. of S&M farmers								0.00							
(b)	Removal of debris on agricultural land in hilly areas								0.00							
	(i) As per SDRF/NDRF norms								0.00							
	(ii) Outside the norms								0.00							
	(iii) Total eligible area (Ha.)								0.00							
	(iv) No. of S&M farmers								0.00							

	(ii) Outside the norms							0.00						
	(iii) Total eligible area (Ha.)							0.00						
	(iv) No. of S&M farmers							0.00						
4	Input Subsidy to farmers other than Small & Marginal Farmers							0.00						
	(i) As per SDRF/NDRF norms							0.00						
	(ii) Outside the norms							0.00						
	(iii) Total eligible area (Ha.)							0.00						
	(iv) No. of S&M farmers							0.00						
5	Assistance to Small and Marginal Sericulture Farmers							0.00						
	(i) As per SDRF/NDRF norms							0.00						
	(ii) Outside the norms							0.00						
	(iii) Total area (Ha.)							0.00						
	(iv) No. of S&M farmers							0.00						
6	Employment Generation							0.00						
	(i) As per SDRF/NDRF norms							0.00						

	(ii) Outside the norms							0.00							
	(iii) No. of man days generated							0.00							
	(iv) Quantum of foodgrains distributed as part of wage component							0.00							
7	Animal Husbandry Assistance to small and marginal farmers / agricultural labourers							0.00							
(i)	Replacement of draught / milch animals or animals used for haulage							0.00							
	(i) As per SDRF/NDRF norms							0.00							
	(ii) Outside the norms							0.00							
	(iii) No. of beneficiaries							0.00							
(ii)	Provision of fodder/ feed in cattle camps							0.00							
	(i) As per SDRF/NDRF norms							0.00							
	(ii) Outside the norms							0.00							
	(iii) Number of Cattle camps							0.00							
	(iv) Number of cattle kept in camps							0.00							
	(v) Quantity of fodder (qtls.) supplied in camp							0.00							
(ii)	Water supply in Cattle Camps							0.00							

	(i) As per SDRF/NDRF norms								0.00						
	(ii) Outside the norms								0.00						
	(iii) Total No. of Tanker load								0.00						
	(iv) No. of cattle camps and cattle kept therein								0.00						
(i v)	Additional cost of medicines and vaccine (calamity related requirements)								0.00						
	(i) As per SDRF/NDRF norms								0.00						
	(ii) Outside the norms								0.00						
(v)	Supply of fodder outside cattle camps								0.00						
	(i) As per SDRF/NDRF norms								0.00						
	(ii) Outside the norms								0.00						
	(iii) Tot qty. of fodder transported (Qtls.)								0.00						
(v i)	Movement of useful cattle to other areas								0.00						
	(i) As per SDRF/NDRF norms								0.00						
	(ii) Outside the norms								0.00						
	(iii) No. of cattle moved								0.00						
8	Assistance to Fishermen								0.00						
(a)	For repair / replacement of boats, nets (damaged or lost)								0.00						

	(i) As per SDRF/NDRF norms							0.00						
	(ii) Outside the norms							0.00						
(b)	Input subsidy for fish seed farm							0.00						
	(i) As per SDRF/NDRF norms							0.00						
	(ii) Outside the norms							0.00						
	(iii) Total eligible area (Ha.)							0.00						
	(iv) No. of fish farmers							0.00						
9	Assistance to artisans in handicrafts / handloom sectors by way of subsidy for repair/replacement of damaged equipments							0.00						
(a)	Traditional Crafts (Handicraft)							0.00						
(i)	For replacement of damaged tools / equipments							0.00						
	(i) As per SDRF/NDRF norms							0.00						
	(ii) Outside the norms							0.00						
	(iii) No. of equipments							0.00						
	(iv) No. of beneficiaries							0.00						
(ii)	For loss of raw material / goods in process / finished goods							0.00						
	(i) As per SDRF/NDRF norms							0.00						

	(ii) Outside the norms								0.00						
	(iii) Qty. of Materials (Qtls.)								0.00						
	(iv) No. of beneficiaries								0.00						
(b))	For Handloom Weavers								0.00						
(i)	Repairs / replacement of loom equipments and accessories								0.00						
	(i) As per SDRF/NDRF norms								0.00						
	(ii) Outside the norms								0.00						
	(iii) No. of equipments / accessories								0.00						
	(iv) No. of beneficiaries								0.00						
(ii))	Purchase of yarn and other materials like dyes and chemicals and finished stocks								0.00						
	(i) As per SDRF/NDRF norms								0.00						
	(ii) Outside the norms								0.00						
	(iii) Qty. of Materials (Qtls.)								0.00						
	(iv) No. of beneficiaries								0.00						
1 0	Assistance for repair / restoration of damaged houses								0.00						
(a))	Fully damaged/ destroyed Pucca houses								0.00						
	(i) As per SDRF/NDRF norms								0.00						

	(ii) Outside the norms							0.00						
	(iii) Number							0.00						
(b)	Fully damaged/ destroyed Kutcha houses							0.00						
	(i) As per SDRF/NDRF norms							0.00						
	(ii) Outside the norms							0.00						
	(iii) Number							0.00						
(c)	Severely damaged houses							0.00						
(i)	Severely damaged Pucca houses							0.00						
	(i) As per SDRF/NDRF norms							0.00						
	(ii) Outside the norms							0.00						
	(iii) Number							0.00						
(ii)	Severely damaged Kuchha House							0.00						
	(i) As per SDRF/NDRF norms							0.00						
	(ii) Outside the norms							0.00						
	(iii) Number							0.00						
(d)	Partially Damaged Houses (both pucca and kuchha)							0.00						
	(i) As per SDRF/NDRF norms							0.00						
	(ii) Outside the norms							0.00						
	(iii) Number							0.00						
(e)	Huts damaged / destroyed							0.00						

	(i) As per SDRF/NDRF norms							0.00						
	(ii) Outside the norms							0.00						
	(iii) Number							0.00						
1 1	Provision of emergency supply of drinking water in rural areas and urban areas							0.00						
	(i) As per SDRF/NDRF norms							0.00						
	(ii) Outside the norms							0.00						
	(iii) Total Qty. of water supplied (No. of Tankers load)							0.00						
1 2	(i) Provisions of medicines, disinfectants, insecticides for prevention of outbreak of epidemics							0.00						
	(ii) No. of beneficiaries							0.00						
1 3	(i) Medical care for cattle and poultry against epidemics as a sequel to a notified natural calamity							0.00						
	(ii) Total No. of cattle & poultry benefitted							0.00						
1 4	(i) Evacuation of people affected / likely to be affected							0.00						

	(ii) No. of people evacuated							0.00						
	(iii) Average cost / person							0.00						
1 5	Hiring of boats for carrying immediate relief and saving life							0.00						
	(i) No. of boat days							0.00						
	(ii) Average hiring cost per boat / day							0.00						
1 6	Provision for temporary accommodation, food, clothing, medical care etc. of people affected / evacuated (operation of relief camps)							0.00						
	(i) As per SDRF/NDRF norms							58.70						58.703 6
	(ii) Outside the norms							0.00						
	(iii) No. of persons provided shelters							83600 0.00						
	(iv) No. of relief camps opened							0.00						
	(v) Average cost per person / per day							0.00						
1 7	Air dropping of essential supplies							0.00						
	(i) No. of sorties							0.00						
	(ii) Quantity (in MTs) dropped							0.00						

1																			
8	Repair / restoration of immediate nature of the damaged infrastructure in eligible sectors																		
(a)	Roads & Bridges																		
	(i) As per SDRF/NDRF norms																		
	(ii) Outside the norms																		
	(iii) Cumulative length of roads repaired(KM)																		
(b)	Drinking Water supply																		
	(i) As per SDRF/NDRF norms																		
	(ii) Outside the norms																		
	(iii) Total No. of schemes																		
(c)	Irrigation																		
	(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)																		
	(i) As per SDRF/NDRF norms																		
	(ii) Outside the norms																		

(e)	Primary Education							0.00									
	(i) As per SDRF/NDRF norms							0.00									
	(ii) Outside the norms							0.00									
	(iii) No. of primary school buildings repaired							0.00									
(f)	Primary Health Centers							0.00									
	(i) As per SDRF/NDRF norms							0.00									
	(ii) Outside the norms							0.00									
	(iii) No. of primary Health Centres buildings repaired							0.00									
(g)	Community assets owned by Panchayats							0.00									
	(i) As per SDRF/NDRF norms							0.00									
	(ii) Outside the norms							0.00									
	(iii) No. of community assets repaired							0.00									
19	Replacement of damaged medical equipments and lost medicines of Govt. hospitals / health centres							0.00									

2 0	Operational cost (of POL only) for Ambulance Service, Mobile Medical Teams and Temporary Dispensaries							0.00							
	(i) As per SDRF/NDRF norms							0.00							
	(ii) Outside the norms							0.00							
2 1	Cost of clearance of debris							0.00							
	(i) As per SDRF/NDRF norms							0.00							
	(ii) Outside the norms							0.00							
2 2	Draining off flood water in affected areas							0.00							
2 3	Cost of search and rescue measures							0.00							
	(i) As per SDRF/NDRF norms							0.00							
	(ii) Outside the norms							0.00							
2 4	Disposal of dead bodies / carcasses							0.00							
	(i) As per SDRF/NDRF norms							0.00							
	(ii) Outside the norms							0.00							
	(iii) Total No. of dead bodies disposed							0.00							
	(iv) Total No. of carcasses disposed							0.00							

2 5	Training to specialist multi-disciplinary groups / teams of the State personnel drawn from different cadres / services / personnel involved in management of disasters in the State								0.00						
	(i) No. of trainings organised								0.00						
	(ii) No. of persons trained								0.00						
2 6	Procurement of essential Search, Rescue and Evacuation equipments including Communication equipments								0.00						
	Cost of equipments procured								0.00						
	Gross Total	0.00	0.00	0.00	0.00	0.00	0.00	81.378	0.00	0.00	0.00	0.00	0.00	0.00	81.378
		00	00	00	00	00	00	652	00	00	00	00	00	00	7
Total Expenditure on SDRF during 2017-18 (21.7.17 to 25.08.17) : Rs. 81.378652 Crore															