

Appendices

Appendix 2.1
(Reference: Paragraph-2.1.4.2, Page No. 14)
Deficiencies in achieving the objectives of SDMP

Defined objectives	Deficiency in achievement
Strengthen disaster risk governance at all levels from local to centre	State Government did not publish its Disaster Risk Reduction Road Map with committed timelines to ensure a disaster resilient Karnataka (Paragraph 2.1.4.1). Local authorities neither prepared their disaster management plans nor were consulted for preparation of district/State plans (Paragraph 2.1.6.2 and 2.1.4.2). Despite substantial investment on equipment and projects, the deficiencies in forecast mechanism rendered the disaster risk governance unfruitful (Paragraph 5.3.3)
Invest in disaster risk reduction for resilience through structural, non-structural and financial measures, as well as comprehensive capacity development	The State Government and the district administration had not initiated necessary permanent structural measures to mitigate the impact of the flood menace (Paragraph 5.4.2). In test checked districts (Dakshina Kannada and Kodagu districts) which were affected by recurrent landslides, neither structural nor non-structural measures were taken prior to devastation (Paragraph 6.4.1) The State/Kodagu district administration did not comprehensively act on recommendations in the GSI report, due to which the district encountered more severe landslides in the subsequent years (Paragraph 6.5) Funds released for capacity building activities to the districts and CDM-ATI were 12 and 11 per cent respectively of the total releases towards capacity building. (Paragraph 3.1.4.2)
Strengthen disaster risk modelling, assessment, mapping, monitoring and multi-hazard early warning systems	The nodal department for preparation of information on the SDMP and management of disasters in the State was not in possession of any information regarding activities/measures taken up by the respective department/(s) (Paragraph 4.4.2.1) In the absence of basic data, the State Government/KSNDMC could not create the envisaged hydrological models for flood forecasting in the State/region, whereby the investment of ₹2.45 crore on the sensors and stream gauge monitors was rendered largely unfruitful (Paragraph 5.3.3.1). Purpose of installing required equipment at grassroots level for alerting endangered population from flood early warning through a wireless broadcasting system at a cost of ₹1.09 crore was not achieved (Paragraph 5.3.3.2) As of December 2023, despite an expenditure of ₹1.61 crore with respect to the project pertaining to 'Preparation of urban flood model for Bengaluru' the flood forecast alert model is yet to be prepared. (Paragraph 5.3.3.3) As of December 2023, 49 out of 100 WLS installed on storm water drains were non-functional (Paragraph 5.3.3.4). The State had prepared flood hazard zoning maps for each of the river basins and identified villages prone to floods, however, such vulnerability mapping was not done for the plain areas, which were not covered under river flow

Defined objectives	Deficiency in achievement
	paths but were affected by water inundation due to heavy rainfall. (Paragraph 5.3.4) The State was yet to frame and enact the Floodplain Zoning Regulations (Paragraph 5.3.5) In the absence of advanced technological equipment and early warning systems, the Government/district authorities could not disseminate any alerts (Paragraph 6.3.4.2)
Promote “Build Back Better” in recovery, rehabilitation and reconstruction	There were instances of (i) delays in taking up reconstruction/restoration works due to which the public were forced to take alternate longer routes. (ii) incomplete occupation of constructed houses by affected families. (iii) occupation of damaged houses. (Paragraph 5.7, 6.6.1 and 6.6.2)
Prevent disasters and achieve substantial reduction of disaster risk and losses in lives, livelihoods, health, and assets (economic, physical, social, cultural and environmental)	State Government did not initiate preventive/mitigative measures like water harvesting, ground water recharge, controlling ground water extraction, etc., against drought resulting in State experiencing drought repeatedly causing huge loss of agricultural crops and socio-economic disorders (Paragraphs 4.4.2). Absence of flood zonation maps and preventive actions against flood hazard resulted in same villages/localities being affected by floods causing loss of public infrastructure and livelihood. (Paragraph 5.3.5) Unauthorized constructions were regularized, and agricultural land continued to be converted for commercial uses, highlighting inadequacies in disaster-resilient infrastructure planning and execution (Paragraphs 6.5.1). While the project for cyclone risk mitigation was not commissioned the recommendations against lightning were not implemented exposing the communities to danger of hazards. (Paragraph 7.1.1 and 7.2.3)
Empower both local authorities and communities as partners to reduce and manage disaster risks	None of the local authorities in the test-checked districts had prepared the required DM plans (Paragraph 2.1.6.2) Neither the State Government nor the district administrations involved communities, NGOs and CSOs in drought-proofing/mitigation activities (Paragraph 4.4.2.4)
Capacity development at all levels to effectively respond to multiple hazards and for community-based disaster management	Expenditure of the Government towards capacity building and preparedness during the Audit period was grossly inadequate (Paragraph 2.2). No funds were provided to DDMA towards capacity building and training till the year 2020-21 (Paragraph 2.2.6). None of the authorities like KSDMA, SEC or Revenue Department (Disaster Management) had taken up effective IEC activities at the macro level towards disaster management (Paragraph 2.2.7).

Defined objectives	Deficiency in achievement
Promote the culture of disaster risk prevention and mitigation at all levels	While the communities at the grass root level were not provided training to promote the culture of disaster risk mitigation, the training provided to government employees and the elected representatives was inadequate (Paragraphs 2.2.3 and 2.2.6) None of the publications for disaster risk prevention and management were published in regional language, to enable ease of understanding the stipulated disaster risk mitigation strategies. State Government did not provide publicity among communities/public regarding the NIDM courses on disaster risk management awareness, available free of cost (Paragraphs 2.1.7 and 2.2.7).
Build and strengthen the resilience of poor communities to prevent disasters aggravating poverty and to protect livelihoods	The district/taluk authorities had significant unspent balances at the end of March 2023 (Paragraph 3.1.4.1) During 2017-23, KSNDMC spent ₹21.77 crore and as at the end of March 2023 held a balance of ₹27.04 crore in its bank account which constituted more than 50 <i>per cent</i> of the releases. There was payment of compensation under SDRF to ineligible cases. No additional employment was provided under MGNREGS to any of the households in the districts of Dakshina Kannada, Kodagu and Shivamogga (Paragraph 3.1.4.2, 3.1.7 and 4.4.3.1) None of the authorities regulated inhabitations in low lying areas along rivers, canals and drains, as evidenced in audit in the test-checked districts of Belagavi, Dakshina Kannada, Davanagere, Shivamogga, etc (Paragraph 5.4.1) Payment of compensation without initiating preventive measures and proper verification allowed people to continue residing at places exposed to danger (Paragraph 5.5.4)
Promote disaster-resilient schools, colleges and other educational facilities	None of the educational institutions prepared their disaster management plans (Paragraph 2.1.6.3)
Strengthening and promoting the resilience of new and existing critical infrastructure	The State did not establish a legal framework for obtaining mandatory clearances by agencies for construction of public infrastructure in flood-prone areas. There was no safety audit of houses in districts vulnerable to flood which otherwise would have led to taking up disaster resilient retrofitting and rectification actions timely. Disaster resilience was not adequately promoted while constructing/repairing infrastructure, affecting resistance to floods (Paragraph 5.4.1, 5.4.3 and 5.5).

Appendix 3.1
(Reference: Paragraph-3.1.3, Page No. 31)
Discrepancies in accounts between Revenue Department and Accountant General (A and E)

Receipts

(₹ in crore)

Year	Opening Balance			NDRF grants			SDRF grants			State matching grants		
	As per department	As per AG	Difference	As per department	As per AG	Difference	As per department	As per AG	Difference	As per department	As per AG	Difference
2017-18	1235.52	1235.52	0	913.04	913.04	0	228.75	228.75	0	76.25	76.25	0
2018-19	0	42.16	42.16	959.84	959.84	0	288.00	288.00	0	32.00	32.00	0
2019-20	434.62	434.62	0	2744.26	2905.28	161.02	204.00	507.00	303.00	132.00	369.00	237.00
2020-21	0	0	0	577.84	689.27	111.43	632.40	632.80	0.40	210.80	210.40	0.40
2021-22	0	2.42	2.42	1734.3	1623.3	-111.00	632.40	632.80	0.40	210.80	210.40	0.40
2022-23	0	2.42	2.42	939.83	939.83	0	664.01	664.00	0.01	221.33	221.34	0.01

Expenditure

(₹ in crore)

Year	Expenditure as per department	Expenditure booked in AG (A&E)	Difference
2017-18	2,411.61	2,411.58	0.03
2018-19	1,207.22	1,196.96	10.26
2019-20	4,899.52	4,879.43	20.09
2020-21	2,238.37	2,235.56	2.81
2021-22	5,003.75	4,965.14	38.61
2022-23	2,939.41	2,897.58	41.83

Source: Information furnished by department and AG (A&E) office.

Appendix 3.2
(Reference: Paragraph-3.1.4.1, Page No. 33)
Instances of non/improper maintenance of cash books

District	Deficiencies observed
Belagavi	Tahsildar, Athani – Cash book was not written from 19.7.2019 to 31.3.2023 Tahsildar, Mudalgi – 2018-19 to 2022-23 Tahsildar, Nippani – 25.03.2021 to 31.03.2023 Tahsildars, Belagavi, Chikkodi, Hukkeri, Kagawad and Ramdurg – Partially written.
Chikkaballapura	Cash book was not maintained by Tahsildar, Chintamani till November 2021; Tahsildar, Bagepalli till December 2021; Tahsildar, Gowribidanur for the year 2017-18, Tahsildar, Gudibande till May 2019, Tahsildar, Shidlaghatta till December 2020 and Tahsildar, Chikkaballapur for the year 2017-18.
Dakshina Kannada	Cash book was not maintained by Tahsildar, Sullia up to 2021-22; Tahsildar, Moodabidri up to 2018-19; Tahsildar, Kadaba up to 2020-21 and Tahsildar, Belthangady up to 2021-22. Tahsildar, Bantwal did not produce any records relating to DM funds though ₹7.03 crore was released during the period 2017-2023. The taluk authorities had written the cash book based on bank pass sheet entries and not as and when the transactions occurred. The cash book entries did not contain proper narration of payments made except for name of the beneficiary and amount in all the taluks.
Davanagere	Tahsildar, Davanagere had shown only one entry for each month without distinctly showing each transaction. Cash book was not maintained by Tahsildar, Jagalur till May 2019.
Haveri	Cash book was not maintained by Tahsildar, Shiggaon till 30.06.2018 and Tahsildar, Rattihalli had not written for the year 2020-21.
Kodagu	Tahsildar, Somwarpet had not written the cash book for the year 2017-18.
Shivamogga	Tahsildar, Shivamogga had not written cashbook for the entire year 2022-23

Appendix 3.3
(Reference: Paragraph-3.1.4.1, Page No. 33)
Statement showing the taluk wise number of bank accounts operated by
Tahsildars in test-checked districts

District	Taluk	Number of bank accounts
Belagavi	Belagavi	03
	Gokak	03
	Khanapur	02
	Nippani	04
	Ramdurg	04
Chikkaballapura	Chikkaballapura	05
	Gauribidanur	05
Davanagere	Davanagere	02
	Nyamathi	02
Haveri	Byadagi	06
	Hanagal	02
	Haveri	04
	Hirekerur	04
	Ranebennur	04
	Rattihalli	03
	Savanar	02
	Shiggaon	06
Kodagu	Somwarpet	02
	Virajpet	02
Shivamogga	Shivamogga	03
	Bhadravathi	03
	Sagara	02
	Soraba	02

Source: Information furnished by taluk authorities.

Appendix 3.4

(Reference: Paragraph-3.1.4.1, Page No. 34)

Statement showing the discrepancy in release of funds between books of accounts of the district and taluks for the period 2017-18 to 2021-22

District: Belagavi

(₹ in crore)

Taluk	Releases as per district accounts	Receipt as per taluk accounts	Difference
Belagavi	23.49	12.91	10.58
Hukkeri	22.81	21.74	1.07
Kittur	7.13	6.74	0.39
Ramdurg	30.03	28.85	1.18
Gokak	60.08	59.53	0.55
Chikkodi	103.03	102.89	0.14
Raibag	61.23	42.44	18.79
Athani	93.45	75.31	18.14

Appendix 3.5
(Reference: Paragraph-3.1.8, Page No. 39)

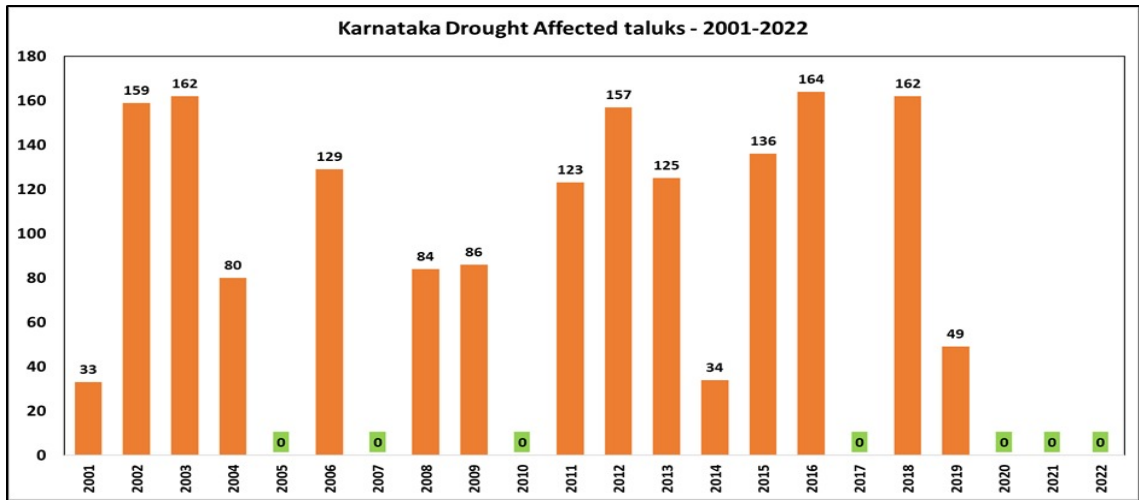
Illustrative instances of execution of works in violation of the guidelines and monetary limits under SDRF grants

(₹ in lakh)

Name of the taluk	Name of the work	Estimated cost	Expenditure
Kalaburagi District			
Chittapur	Firozabad-Kamalapur State highway No.125 chainage 44.20 km repair to bridge	55.00	53.81
Aland	Repairs to bridge at Km 43.00 on Basavakalyan-Raichur (SH-51) road	10.00	9.76
Kalaburagi	Repairs to Electrical Installations and Allied Equipments at Saradagu Head works and IPS Kotnoor for water supply system in Kalaburagi city	28.13	28.13
Sedam	Repairs to Mudhol-Yanagundi Road of chainage 0.00 km to 0.50 km	20.00	18.89
	Repairs to check dam in Udagi-Kurukunta-Hayyala road at chainage 23.80 km	18.00	17.99
Dakshina Kannada District			
Bantwal	Repairs to school building at Talemogaru	10.00	NA
	Repairs to school building at pudu maple	10.00	NA
	Repairs and widening of road at Pudu GP	20.00	NA
	Road repair at Pajeer village	20.00	NA
	Road repair at Balepuni village	10.00	NA
	Road repair at Geru paddu	10.00	NA
Mangaluru	Construction of drainage at Ward No.2	10.00	NA
	Asphalting of road in Derebylu	12.00	NA
	CC road at ward No.52	10.00	NA
	Repairs to road at Belma gram panchayat	15.00	NA
	Repairs to junction at Belma gram panchayat	15.00	NA
	Repairs to Government school building at Belma GP	15.00	NA
	Construction of retaining wall to house	10.00	NA
	Road repair at Manjanadi GP	15.00	NA
	Road repair at Manjanadi GP	20.00	NA
	Road repair at Pavuru GP	15.00	NA
	Road repair at Pavuru GP	15.00	NA
	Road repair at Hirekala GP	15.00	NA
	Road repair at Hirekala GP	15.00	NA
	Road repair at Hirekala GP	10.00	NA
	Road repair at Munnur GP	10.00	NA
	Road repair at someswara GP	10.00	NA
	Road repair at Konaji GP	10.00	NA
	Road repair at Konaji GP	10.00	NA
	Road repair at Konaji GP	10.00	NA
	Road repair at Konaji GP	10.00	NA
	Road repair at Ullal	15.00	NA
	Road work at Ullal	10.00	NA
	School building repair at Ullal	20.00	NA

Name of the taluk	Name of the work	Estimated cost	Expenditure
	Electricity repair to Tippu Sultan school building at Ullal	15.00	NA
	Construction of drainage at Sundarbagh, Ullal	10.00	NA
	Road repair at Kotekar Town Panchayat	20.00	NA
	Construction of bridge at Kotekar	10.00	NA
Belagavi District			
Savadatti	Repairs to school buildings Manavalli village	12.00	10.80
	Repairs to school buildings Manavalli village	9.00	8.10
	Repairs to school buildings Mulluru village	10.50	10.50
	Repairs to school buildings Holi village	7.50	6.75
	Repairs to school buildings Theredakoppa Thanda village	6.00	5.40

Appendix 4.1
(Reference: Paragraph-4.2, Page No. 43)
Data on taluks affected by drought during 2001-2022



Source: KSNDMC.

Appendix 5.1
(Reference: Paragraph-5.1.2, Page No. 59)
Estimated loss of infrastructure and crops in the State districts due to flood
between the years 2018-2022

(₹ in crore)

Nature of damage	2018	2019	2020	2021	2022
Agriculture crop	313.52	13829.24	14090.27	8137.00	4975.82
Horticulture crop	1043.82	926.10	2155.80	1471.00	1428.11
Plantation crop	863.36	475.36	650.02	1401.90	265.51
Roads	1452.81	7034.03	4369.12	4325.73	3283.15
Bridges	90.04	1020.09	700.18	865.14	452.32
Houses	167.51	9621.87	430.75	690.08	699.51
Water supply and Sanitation units	6.34	122.94	37.60	39.09	11.60
Tanks	25.10	63.61	58.39	53.83	67.11
Total	5980.50	35112.24	24512.13	19004.77	13205.13

Source: Data furnished by the nodal department.

Appendix 5.2
(Reference: Paragraph-5.5.2, Page No. 73)
Discrepancies in house damages

a) 25 per cent of damage categorized as C and B

District	Taluk	Beneficiary ID	Percentage of damage as per department	Category in RGRHCL website
Ramanagara	Kanakapura	368424	25	B1
	Kanakapura	367593	25	C
	Magadi	367942	25	C
Shivamogga	Shikaripura	589696	25	B1
	Shivamogga	579770	25	C
	Soraba	577862	25	C
		577694	25	B1
Chikkaballapura	Sidlaghatta	375741	25	C
Davanagere	Channagiri	693547	25	C
		676265	25	C

(b) (i) Cases where 25 per cent to 40 per cent of damage categorised as A or B2

District	Taluk	Beneficiary ID	Percentage of damage as per department	Category in RGRHCL website
Belagavi	Ramdurg	1681085	26	B2
		1678875	30	B2
		1679626	35	B2
		1692912	26	B2
		1678162	40	B2
	Hukkeri	1681085	26	B2
		1681220	28	B2
		1679282	28	B2
		1679447	28	B2
	Bailhongal	1685715	30	B2
		1680510	35	B2
		1697380	30	B2
Shivamogga	Shivamogga	587698	35	B2
		587741	40	B2
		587740	40	B2
	Shikaripura	588332	35	B2
	Bhadravathi	587929	28	A
	Soraba	580420	27	B2
	Sagara	588011	28	B2
		588216	24	B2
		588014	22	B2
Chikkaballapura	Gauribidanur	374398	20	B2
		374400	23	B2
		374397	25	B2
		374401	24	B2
		374403	25	B2
		374402	23	B2

District	Taluk	Beneficiary ID	Percentage of damage as per department	Category in RGRHCL website
Ramanagara	Magadi	367882	40	B2
Davanagere	Nyamathi	680248	30	B2

(ii) Cases where 70 per cent to 75 per cent of damage categorised as B1

District	Taluk	Beneficiary ID	Percentage of damage as per department	Category in RGRHCL website
Chikkaballapura	Chintamani	367512	71	B1
		367514	74	B1
		367713	74	B1
		367551	74	B1
		367434	74	B1
		367318	72	B1
	Bagepalli	366436	74	B1
	Gauribidanur	366764	74	B1
		366648	74	B1
		366879	74	B1
		367151	74	B1
		374576	74	B1
		374176	74	B1

(c) Upward revision of category of damages in Haver district

District	Taluk	Beneficiary ID	Revision of category	Excess paid due to revision (in ₹)
Haveri	Savanur	643035	C to B1	250000
		643649	C to B1	250000
		643308	C to B1	250000
		645911	C to B1	250000
		640195	C to B1	250000
		642048	C to B1	250000
		644865	C to B1	250000
		648225	C to B1	250000
		646325	C to B1	250000
	Hanagal	678782	C to B2	450000
		683632	C to B2	450000
		684212	C to B2	450000
		687982	C to B2	450000
		689836	C to B2	450000
	Haveri	664081	C to B2	450000
		669411	C to B2	450000
		678874	C to B2	450000
		681054	C to B2	450000
	Hirekerur	664252	C to B2	450000
		666268	C to B2	450000
		667497	C to B2	450000
	Rattihalli	665583	C to B2	450000

		667484	C to B2	450000
		667553	C to B2	450000
	Shiggaon	679291	C to B2	450000
		679299	C to B2	450000
		679796	C to B2	450000
		683815	C to B2	450000

(d) Discrepancies in category of damage between department and RGRHCL website

(i) A/B1/B2 to C:

District	Taluk	Beneficiary ID	Category of damage as per department	Category of damage as per RGRHCL website
Ramanagar	Kanakapura	368667	B1	C
		362112	B1	C
	Magadi	368659	B2	C
		368946	B	C
		368504	B	C
		367966	B1	C
		368499	B	C
		367965	B	C
		369018	B	C
		368412	B	C
		368502	B	C
		368498	B	C
		368036	B	C
		369018	B	C
Chikkaballapura	Shidlaghatta	368052	B1	C
	Gudibande	376071	B2	C
		375760	B2	C
		375756	B1	C
		375911	A	C
		374451	B1	C
		366056	B1	C

(ii) C to B1/B2:

District	Taluk	Beneficiary ID	Category of damage as per department	Category of damage as per RGRHCL website	Excess paid due to revision (in ₹)
Chikkaballapura	Gauribidanur	365944	C	B2	450000
		375661	C	B1	250000
		374398	C	B2	450000
		374400	C	B2	450000
		374397	C	B2	450000
		374401	C	B2	450000
		374403	C	B2	450000
		374402	C	B2	450000

District	Taluk	Beneficiary ID	Category of damage as per department	Category of damage as per RGRHCL website	Excess paid due to revision (in ₹)
Shivamogga	Gudibande	366051	C	B2	450000
		367960	C	B2	450000
	Thirthahalli	586077	C	B2	450000
		584793	C	B2	450000
		584673	C	B2	450000
	Sagara	588014	C	B2	450000
		588216	C	B2	450000

(iii) B1 to B2:

District	Taluk	Beneficiary ID	Category of damage as per department	Category of damage as per RGRHCL website	Excess paid due to revision (in ₹)
Shivamogga	Bhadravathi	587929	B1	A	200000
Chikkaballapura	Bagepalli	367078	B1	B2	200000
		367081	B1	B2	200000
		367085	B1	B2	200000
		367093	B1	B2	200000
		367096	B1	B2	200000
		367106	B1	B2	200000
	Gudibande	366147	B1	B2	200000
		366227	B1	B2	200000
		366223	B1	B2	200000
		366216	B1	B2	200000
	Gauribidanur	365950	B1	B2	200000
		365960	B1	B2	200000
	Sidlaghatta	376105	B1	B2	200000

iv) A/B2 to B1 cases

District	Taluk	Beneficiary ID	Category of damage as per department	Category of damage as per RGRHCL website
Chikkaballapura	Sidlaghatta	375749	B2	B1
		368046	B2	B1
	Gauribidanur	366724	B2	B1
		367710	B2	B1
		366764	B2	B1
		366653	B2	B1
		366655	B2	B1
		366645	B2	B1
		366648	B2	B1
		366750	B2	B1
		366770	B2	B1
		366879	B2	B1
		367151	B2	B1

		366698	B2	B1
		375812	B2	B1
		374576	B2	B1
		374176	B2	B1
	Gudibande	366101	B2	B1
		366086	B2	B1
		366084	B2	B1
		374500	B2	B1
		374178	A	B1
	Bagepalli	366018	B2	B1
		366436	B2	B1
		367932	B2	B1
		367933	B2	B1
		368041	B2	B1
		366155	B2	B1
		367146	B2	B1
		367693	B2	B1
		367090	B2	B1
		366131	B2	B1

v) B1 to B2 cases:

District	Taluk	Beneficiary ID	Category of damage as per department	Category of damage as per RGRHCL website	Financial implication (in ₹)
Chikkaballapura	Chintamani	367403	B1	B2	200000
		367661	B1	B2	200000
		367662	B1	B2	200000
		367318	B1	B2	200000
	Gauribidanur	365950	B1	B2	200000
		365960	B1	B2	200000
	Gudibande	366147	B1	B2	200000
		366227	B1	B2	200000
		366223	B1	B2	200000
		366216	B1	B2	200000
	Bagepalli	367093	B1	B2	200000
		367096	B1	B2	200000
		367106	B1	B2	200000
		367081	B1	B2	200000
		367078	B1	B2	200000

e) Cases where the Engineer's report is not on record:

District	Taluk	Beneficiary ID	Percentage damage as per department
Shivamogga	Hosanagara	585944	B (50)
		585801	C
		585775	C
		585828	B (50)
		585836	C
		585839	B (75)
		585789	B (50)

District	Taluk	Beneficiary ID	Percentage damage as per department
		585786	A
		585785	C
		585849	B (50)
		585804	A
		584468	A
	Sagara	588013	B (50)
		580009	B (50)
		588011	B (50)
		588216	B (50)
		588014	B (50)
		587887	B (50)
	Shivamogga	587698	B (35)
		587741	B (40)
		587740	B (40)
Chikkaballapura	Chintamani	367392	B1
		367658	B1
		367194	B1
		367409	B1
		367255	B1
		367227	B1
		367617	B1
	Sidlaghatta	375741	25
		375653	--
		375657	--
		374227	--
		374235	--
	Gauribidanur	366698	--
		374405	A
		375812	B2
		375661	B1
	Gudibande	366091	--
	Bagepalli	368055	--
		366111	--
		366131	B2

Appendix 5.3
(Reference: Paragraph 5.5.3, Page No. 76)
Illustrative cases of irregular payment of compensation towards crop loss under
***Parihara* portal**

(i) Farmers given compensation more than the eligible amount

Aadhaar Number	Type of crop	Year/season	Calamity	Amount paid (in ₹)
XXXXXXXXX4809	Horticulture	2019-20/ Kharif	Flood	58120
XXXXXXXXX7329	Perennial	2018-19/Kharif	Flood	61918
XXXXXXXXX1684	Perennial	2018-19/Kharif	Flood	61918
XXXXXXXXX7646	Perennial	2018-19/Kharif	Flood	61918
XXXXXXXXX2041	Perennial	2018-19/Kharif	Flood	61557
XXXXXXXXX1660	Perennial	2018-19/Kharif	Flood	61557
XXXXXXXXX7309	Perennial	2018-19/Kharif	Flood	61918
XXXXXXXXX2149	Perennial	2018-19/Kharif	Flood	61198
XXXXXXXXX6723	Perennial	2018-19/Kharif	Flood	61198
XXXXXXXXX5987	Perennial	2018-19/Kharif	Flood	64798
XXXXXXXXX0523	Perennial	2018-19/Kharif	Flood	62638

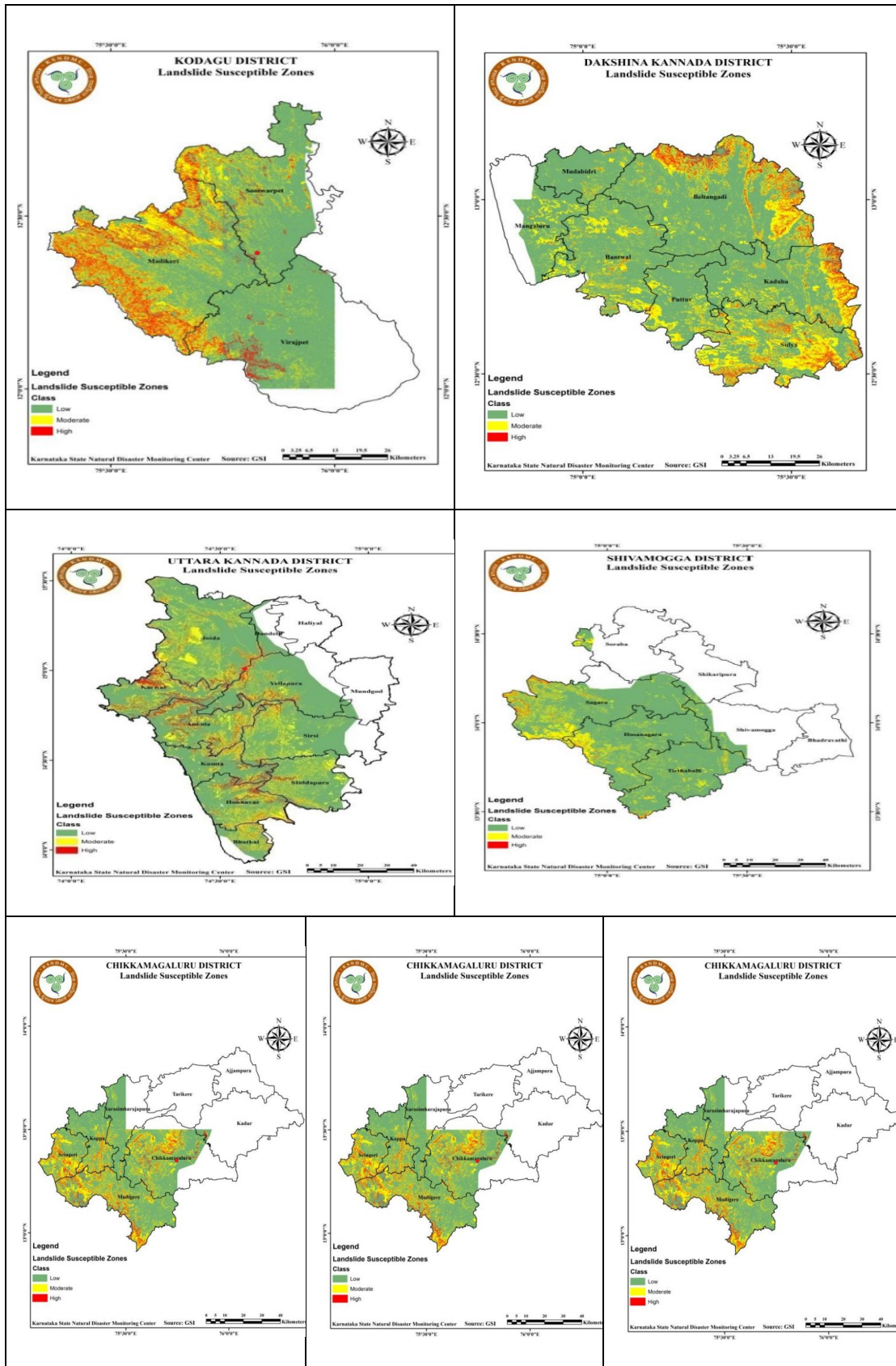
(ii) Farmers having more than two hectares of land paid compensation under category C and D

Aadhaar Number	Type of crop	Year/season	Calamity	Amount paid (in ₹)	Extent of land holding
XXXXXXXXX2956	Perennial	2018-19/ Kharif	Landslide	74999	More than 14 acre
			Desilting	16567	
XXXXXXXXX8898	Perennial	2018-19/ Kharif	Landslide	74999	More than 6 acre
XXXXXXXXX7329	Perennial	2019-20/ Kharif	Landslide	74999	More than 28 acre
XXXXXXXXX5727	Perennial	2018-19/ Kharif	Landslide	74999	More than 12 acres
XXXXXXXXX3822	Perennial	2018-19/ Kharif	Landslide	74999	More than 15 acres
XXXXXXXXX4302	Perennial	2018-19/ Kharif	Landslide	59999	More than 8 acres
XXXXXXXXX1672	Perennial	2018-19/ Kharif	Landslide	74999	10 acres
XXXXXXXXX7077	Perennial	2018-19/ Kharif	Landslide	74999	More than 6 acre
XXXXXXXXX6260	Perennial	2019-20/ Kharif	Landslide	74999	More than 5 acres

(iii) Farmers paid compensation under categories both A/B and D categories

Aadhar Number	Type of crop	Year/season	Calamity	Amount paid (in ₹)
XXXXXXXXX2956	Perennial	2018-19/Kharif	Landslide	74999
			Desilting	16567
			Flood	35998
XXXXXXXXX7329	Perennial	2019-20/Kharif	Landslide	74999
			Flood	55999
XXXXXXXXX6770	Perennial	2018-19/Kharif	Landslide	74999
			Flood	35999
XXXXXXXXX5727	Perennial	2018-19/Kharif	Landslide	74999
			Flood	35999
XXXXXXXXX7415	Perennial	2018-19/Kharif	Landslide	74999
			Flood	35999
XXXXXXXXX3822	Perennial	2018-19/Kharif	Landslide	74999
			Flood	50398
XXXXXXXXX3904	Perennial	2019-20/Kharif	Landslide	67499
			Flood	35799
XXXXXXXXX4302	Perennial	2018-19/Kharif	Landslide	59999
			Flood	43199
XXXXXXXXX2163	Perennial	2019-20/Kharif	Landslide	44999
			Flood	45359
XXXXXXXXX7836	Perennial	2019-20/Kharif	Landslide	74999
			Flood	47375
XXXXXXXXX1672	Perennial	2018-19/Kharif	Landslide	74999
			Flood	35999
XXXXXXXXX6260	Perennial	2019-20/Kharif	Landslide	74999
			Flood	34718

Appendix 6.1 (Reference: Paragraph-6.3.2, Page No. 84) District-wise landslide susceptibility maps



Source: Karnataka State Action Plan: Management of Landslides – 2022.

Appendix 7.1
(Reference: Paragraph-7.2.1.2, Page No.105)
Nowcast lightning warnings issued by IMD

ಭಾರತ ಸರ್ಕಾರ
ಭೂ ವಿಜ್ಞಾನ ಮಂತ್ರಾಲಯ
ಭಾರತ ಹವಾಮಾನ ಇಲಾಖೆ
ಹವಾಮಾನ ಕೇಂದ್ರ, ಬೆಂಗಳೂರು



ಭಾರತ ಸರ್ಕಾರ
Government of India
ಭೂವಿಜ್ಞಾನ ಮಂತ್ರಾಲಯ
Ministry of Earth Sciences
ಭಾರತ ಮೌಸಮ ವಿಜ್ಞಾನ ವಿಭಾಗ
India Meteorological Department
ಮೌಸಮ ವಿಜ್ಞಾನ ಕೇಂದ್ರ, ಬೆಂಗಳೂರು
Meteorological Centre, Bengaluru

NOWCAST ISSUED FROM METEOROLOGICAL CENTRE, BENGALURU

Date: 19.08.2023 Time of issue: 1600 IST Validity: 3 hours / ಮುಂದಿನ 3 ಗಂಟೆಗಳಲ್ಲಿ

Weather expected ನಿರೀಕ್ಷಿತ ಹವಾಮಾನ	Districts likely to be affected ಪರಿಣಾಮ ಬೀರುವ ಜಿಲ್ಲೆಗಳು	Impacts Expected ನಿರೀಕ್ಷಿತ ಸಾಧ್ಯತೆಗಳು	Suggested Actions ಸೂಚಿಸಿದ ಕ್ರಮಗಳು
Light to Moderate Rain/Thundershowers accompanied by lightning and gusty winds with speed reaching 30-40 kmph very likely.	At isolated places Bijapur, Chikkaballapura, Dakshina Kannada, Gulbarga, Raichur, Udupi, Uttara Kannada and Yadgir districts	Temporary disruption of electricity in some areas. Minor traffic snarls. Possible damage to Kuccha and unsecured structures. Possible uprooting of weak tree branches	Stay indoors, close windows & doors and avoid travel if possible. Take safe shelters; do not take shelter under trees. Do not lean against concrete walls. Unplug electrical/ electronic appliances immediately. Get out of water bodies immediately. Keep away from all the objects that conduct electricity. Drive carefully if you are travelling.
ಮಿಂಚು ಮತ್ತು ಬಿರುಗಾಳಿ ಸಹಿತ ಗುಡುಗಿನಿಂದ ಕೂಡಿದ ಮಳೆಯಾಗುವ ಬಹಳಷ್ಟು ಸಾಧ್ಯತೆ ಇದ್ದು, ಗಾಳಿಯ ವೇಗವು ಗಂಟೆಗೆ 30 ರಿಂದ 40 ಕಿಮೀ. ಇರುವ ಸಾಧ್ಯತೆ ಇದೆ.	ಬಿಜಾಪುರ, ಚಿಕ್ಕಬಳ್ಳಾಪುರ, ದಕ್ಷಿಣ ಕನ್ನಡ, ಗುಲ್ಬರ್ಗ, ರಾಯಚೂರು, ಉಡುಪಿ, ಉತ್ತರ ಕನ್ನಡ ಮತ್ತು ಯಾದಗಿರಿ ಜಿಲ್ಲೆಗಳ ಒಂದರಂತೆ ಕಡೆಗಳಲ್ಲಿ	ಕೆಲವು ಪ್ರದೇಶಗಳಲ್ಲಿ ತಾತ್ಕಾಲಿಕವಾಗಿ ವಿದ್ಯುತ್ ವ್ಯತ್ಯಯ. ಸಣ್ಣ ಸಂಚಾರ ದಟ್ಟಣೆಗಳು. ಕೆಟ್ಟ ಮತ್ತು ಅಸುರಕ್ಷಿತ ರಚನೆಗಳಿಗೆ ಸಂಭವನೀಯ ಹಾನಿ. ದುರ್ಬಲ ಮರದ ಕೊಂಬೆಗಳನ್ನು ಕಿತ್ತುಹಾಕುವ ಸಾಧ್ಯತೆಯಿದೆ.	ಮನೆಯೊಳಗೆ ಇರಿ, ಕಿಟಕಿಗಳು ಮತ್ತು ಬಾಗಿಲುಗಳನ್ನು ಮುಚ್ಚಿ ಮತ್ತು ಸಾಧ್ಯವಾದರೆ ಪ್ರಯಾಣವನ್ನು ತಪ್ಪಿಸಿ. ಸುರಕ್ಷಿತ ಆಶ್ರಯವನ್ನು ತೆಗೆದುಕೊಳ್ಳಿ; ಮರಗಳ ಕೆಳಗೆ ಆಶ್ರಯ ಪಡೆಯಬೇಡಿ. ಕಾಂಕ್ರೀಟ್ ಗೋಡೆಗಳಿಗೆ ಒರಗಬೇಡಿ. ತಕ್ಷಣವೇ ವಿದ್ಯುತ್‌ಎಲೆಕ್ಟ್ರಾನಿಕ್ ಉಪಕರಣಗಳನ್ನು/ ಅನ್ವುಗ್ಗಳಿಗಾಗಿ ಅನ್ವುಗ್ಗಳಿಗಾಗಿ ಮಾಡಿ. ತಕ್ಷಣವೇ ಜಲಮೂಲಗಳಿಂದ ಹೊರಬನ್ನಿ. ವಿದ್ಯುಚ್ಛಕ್ತಿಯನ್ನು ಸಹಿಸುವ ಎಲ್ಲಾ ವಸ್ತುಗಳಿಂದ ದೂರವಿರಿ. ನೀವು ಪ್ರಯಾಣಿಸುತ್ತಿದ್ದರೆ ಎಚ್ಚರಿಕೆಯಿಂದ ಚಾಲನೆ ಮಾಡಿ.

DUTY OFFICER
MC BENGALURU

Source: Social media (X) handle of KSNDMC.

Abbreviations

AG (A&E)	Accountant General (Accounts & Entitlements)
APL	Adaptable Programme Loan
ATI	Administrative Training Institute
BBMP	Bruhat Bengaluru Mahanagara Palike
CAP	Common Alerting Protocol
CDM	Centre for Disaster Management
CLPMP	Comprehensive Landslide Prevention and Mitigation Plan
CRMI	Cyclone Risk Mitigation Infrastructure
CSC	Cabinet Sub-Committee
CSOs	Civil Society Organisations
CWWG	Crop Weather Watch Group
DC	Deputy Commissioner
DDMA	District Disaster Management Authority
DDMP	District Disaster Management Plan
DEOC	District Emergency Operation Centre
DGP	Director General of Police
DM	Disaster Management
DMIS	Drought Management Information System
DMP	Disaster Management Plans
DMR	Digital Mobile Radio
DRR	Disaster Risk Reduction
EO	Earth Observation
EWDS	Early Warning Dissemination Systems
FMP	Flood Management Plans
FRM	Flood Risk Management
GIS	Geographical Information System
GoI	Government of India
GPRS	General Packet Radio Service
GPS	Global Positioning System
GSI	Geological Survey of India
IDA	International Development Association
IDEA	Interactive Data Extraction and Analysis
IEC	Information, Education, and Communication
IISc	Indian Institute of Science
IMD	Indian Meteorological Department
IRS	Incident Response System
IRT	Incidence Response Teams
KGWA	Karnataka Ground Water Authority
KSDMA	Karnataka State Disaster Management Authority
KSNDMC	Karnataka State Natural Disaster Monitoring Centre
LRMS	Landslide Risk Management Strategy
MGNREGS	Mahatma Gandhi National Rural Employment Guarantee Scheme
MHA	Ministry of Home Affairs

MoU	Memorandum of Understanding
MPCS	Multi-Purpose Cyclone Shelters
NCRMP	National Cyclone Risk Mitigation Project
NDMA	National Disaster Management Authority
NDMIS	National Disaster Management Information System
NDRF	National Disaster Response Force
NEC	National Executive Committee
NGOs	Non-Governmental Organisations
NIDM	National Institute for Disaster Management
NOC	No Objection Certificate
PA	Performance Audit
PRED	Panchayat Raj Engineering Department
PWD	Public Works Department
PWPID	Public Works, Ports and Inland Division
RE	Reinforced Earth
RDPR	Rural Development and Panchayat Raj
RGRHCL	Rajiv Gandhi Rural Housing Corporation Limited
RWS	Rural Drinking Water and Sanitation Department
SCMC	State Crisis Management Committee
SDG	Sustainable Development Goal
SDMA	State Disaster Management Authority
SDMF	State Disaster Mitigation Fund
SDMP	State Disaster Management Plan
SDRF	State Disaster Response Force
SDRMF	State Disaster Risk Management Fund
SEC	State Executive Committee
SEOC	State Emergency Operation Centre
SFDRR	Sendai Framework for Disaster Risk Reduction
SHGs	Self Help Groups
SOP	Standard Operating Procedure
SPV	Special Purpose Vehicle
SWD	Storm Water Drain
TRGs/TWSs	Telemetric Rain Gauges / Telemetric Weather Stations
UAV	Unmanned Aerial Vehicles
UC	Utilisation Certificate
UN	United Nations
UNDRR	United Nations Office for Disaster Risk Reduction
VSAT	Very Small Aperture Terminal