

ANNEXURES TO
PRELIMINARY MEMORANDUM
PRE MONSOON CALAMITY LOSSES
(1st-30th April, 2014)

Annexure 1	Fatalities and injuries reported
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ANNEXURE 1: FATALITIES REPORTED FROM 1st to 30th April 2014 IN KERALA

SI No.	District	Name & Age	Address	Cause of Death
1	Trivandrum	Radhamani (50)	V R House, neduveli, Konchira P O, Vembayam	Lightening
		Hari Lal (24)	Lal Nivas, Chathalampattukonam, Thannivila, Mudavoorpara P O, Pallichal	Lightening
		Raju (54)	Irayimmamthura Purayidam, Pulluvila, Karinkulam	Lightening
		Saimon Baiju (48)	Kottappuram Kumar Villa, Kurissadi, Vizhinjam	Lightening
		Ambarish (14)	S/o Sreekumar, Charuvila Puthen vedu, Kumbalam, Kummil Village, Kottarakkara	Lightening
		Nizarudeen (50)	Thirumangalathu Thekkethil (Sajna Manzil), Koodal, Konni	Lightening
2	Kollam	Akhilesh (14)	S/o Sathyan, Velantayyath, Palamel Village, Mavelikkara	Lightening
3	Pathanamthitta	Jeevadath	W/o Anil kumar, Kolathezhath, Panavally, Cherthala	Lightening
4	Alapuzha	Akhilesh (14)	Velantayyath, Palamel, Mavelikkara	Lightening
		Davadath	Kolathezhath, Panavally, Cherthala	Lightening
5	Kottayam	-	-	-
6	Idukki	Samkutty (26)	Adhikarathil, Mundanmudy, vannappuram	Lightening
7	Ernakulam	Basil (14)	S/o George, Aruvapara House, Vengoor Village	Lightening
8	Trissur	-	-	-
9	Palakkad	-	-	Lightening

10	Malappuram	Varun (25)	S/o Sasidharan, Kodyankuthu house, Kannath, Tharisu P O, Kerala Estate	Lightening
11	Kozhikode	Mukkunnumal Sunil Kumar (34)	S/o Chengottummal Sreedharan, Mukkunnumal, Avidanallur, Koyilandi	Lightening
		Abhinav (12)	S/o Krishnan, Mavoor Paramba, Perumanna, Kozhikod	Lightening
12	Wayanadu	-	-	-
13	Kannur	Malathi Eerai (42)	Chetiyankandi Veedu, Mudappathur, Kannavam village, Thalasseri	Lightening
		Tomson Wilson (43)	Kokkad Thirumeni Village, Taliparambu	
14	Kasargod	Mirshad (24)	S/o Muhammed Ayoor, Kukkar, Uppala	Lightening
		Naveena B N (17)	S/o Dayananda, Nethraguly, Bayar Village	Lightening

INJURIES REPORTED FROM 1st to 30th April 2014 IN KERALA

Sl No.	District	Name & Age	Address	%/Type of injury
1	Trivandrum	-	-	
2	Kollam	Thulasi (52)	Charuvila Puthen veedu, Kumbalam, Kummil Village, Kottarakkara	
		Aneesh (10)	Kalluvila Veedu, Attupuram, Kadakkal Village, Kottarakkara	
		Biji (25)	Udayagiri, Kadakkal Village, Kottarakkara	
		Sadasivan (65)	Palavila Veedu, Poovattur Padinjaru, Mylam Village	
		Vanaja (62)	Palavila Veedu, Poovattur Padinjaru, Mylam Village	
		Mahesh (25)	Rajesh Bhavan, Nadappara, Kummil Village	

3	Pathanamthitta	-	-	
4	Alapuzha	-	-	
5	Kottayam	-	-	
6	Idukki	Biji (25)	-	
7	Eranakulam	Sadasivan (65)	-	
8	Trissur	Vanaja (62)	-	
9	Palakkad	Mahesh (25)	-	
10	Malappuram	-	Pokkadan House, East Kodur, Perinthalmanna	
11	Kozhikode	-	Kandankulangara, Puduppady, Engapuzha, Thamarasseri	
12	Wayanad	-	-	
13	Kannur	Mini (35)	Muthirammal, Kottayad, Alakkode, Thaliparamb	
14	Kasargod	-	-	

ANNEXURE 2-CROPWISE DAMAGE DURING PRE-MONSOON (Area in Ha) - 1st to 30 April 2014

District Name	Name of crop	Pre-monsoon 2014		Total area affected by pre-monsoon calamity 2013 (Ha)	Total area affected by pre-monsoon calamity with >50% crop damage from the affected area (Ha)			Area affected by pre-monsoon calamity of SF & MF with >50% crop damage (out of the >50% crop damage area)(Ha)			Area affected by pre-monsoon calamity of farmers other than SF/MF with >50% crop damage (out of the >50% crop damage area)subject to ceiling of 1 Ha/farmer(Ha)			Area affected by pre-monsoon calamity of farmers other than SF/MF with >50% crop damage (out of the >50% crop damage area) subject to ceiling if 1 Ha/farmer(Ha)		
		Target (Ha)	Coverage upto (Ha)		I	R	P	I	R	P	I	R	P	I	R	P
Trivandrum	Banana		7137	8.16	197			197								
	Coconut		71424	0.25		3.34		3.34								
	Rubber		31220	0.5		18		9		9				9		
	Pepper		2344			0.3		0.3								
	Vegetables		2653		13.1		13.1									
	Betelvisc				0.12		0.12									
	Tapioca		14947	2	10.63		10.63									
	Arecanut		968													
Kollam	Banana (Bunched)	6391	6391	24	10	14		8	10		2	4				
	Banana (Non Bunched)			11	1	10			8		1	2				
	Rubber	36530	36530	16		16	16		6	6		10				
	Tapioca	16028	16028	40		40			40							
	Betalvine	35	35	2	2			2								
	Vegetable	2870	920	5	5			4			1					

Pathanamthitta	Banana (B)			21.802													
	Banana (NB)			11.75													
	Rubber (T)			7.944													
	Rubber (NT)			7.418													
	Betalvine			4.4													
	Vegetable			7.88													
	Tuber crop			3.61													
	Tapioca			4.7													
	Paddy			48													
	Nut mug (B)			0.102													
	Coconut (B)			0.346													
	Coconut (NB)			0.05													
	Pepper			0.04													
	Arecanaut			0.018													
Cashew			0.11														
Alappuzha	Not available																
Kottayam	Rubber		190 Ha	190 Ha			190 Ha			190 Ha							
	Nutmug		100 Ha	100 Ha			100 Ha			100 Ha							
	Coconut		9.5 Ha	9.5 Ha			9.5 Ha			9.5 Ha							

	Arecanut		0.5 Ha	0.5 Ha			0.5 Ha			0.5 Ha						
	Tapioca		39.7 Ha	39.7 Ha		39.7 Ha			39.7 Ha							
	Pepper		0.3 Ha	0.3 Ha		0.3 Ha			0.3 Ha							
	Vegetable		18 Ha	18 Ha	18 Ha			18 Ha								
	Banana		120 Ha	120 Ha	120 Ha			120 Ha								
Idukki	Banana		300	150	35	8.75	26.25		8.75	26.25						
	Rubber				2			2			2					
	Pepper				0.1			0.1			0.1					
	Nutmeg				0.7			0.7			0.7					
	Cococa				0.2			0.2			0.2					
	Coffee				0.1			0.1			0.1					
	Cashew				0.2			0.2			0.2					
	Vegetables		500	200	3.5	3.5			3.5							
Ernakulam	Banana (B)			70.004			A			A	-	-	-	-	-	-
	Banana (NB)			25.8			A			A	-	-	-	-	-	-
	Coconut (Y)			3.8			(P)			(P)	-	-	-	-	-	-
	Coconut (NY)			0.2			(P)			(P)	-	-	-	-	-	-
	Arecanut (Y)			0.871	0.0871	0.7839	P	0.0871	0.7839	(P)	-	-	-	-	-	-
	Tapioca			52.8			-			A	-	-	-	-	-	-
	Rubber (T)			46.1	Nil	Nil	P	-	-	P	-	-	-	-	-	-

	Nut mug					0.27										
	Pepper					0.04										
	Tapioca					23.8										
	Coconut(B,NB)						4.2									
	Areca nut(BNB)						2.54									
	Cocca						2.12									
	Rubber(T NT)						15.2									
	Cashew						0.28									
Kozhikode	Banana(Bunched)		28.3071													
	Banana(Non-Bunched)		7.08													
	Rubber Tapping		3.5													
	Rubber Non Tapping		1.4	41.389		36.2	5.20		36.2	5.20						
	Coconut Bearing		0.28													
	Areca nut Bearing		0.022													
	Tapioca		0.8													
Wayanad	Banana	0	0	347.12	347.12	0	0	347.1	0	0	0	0	0	0	0	0
	Areca nut	0	0	12.26	0	0	12.3	0	0	12.3	0	0	0	0	0	0
	Coconut	0	0	14.07	0	0	14.0	0	0	14.1	0	0	0	0	0	0

							7									
	Rubber	0	0	36.08	0	0	36.1	0	0	36.1	0	0	0	0	0	0
	Pepper	0	0	8.3	0	0	8.3	0	0	8.3	0	0	0	0	0	0
	Coffee	0	0	0.14	0	0	0.14	0	0	0.14	0	0	0	0	0	0
	Tapioca	0	0	27.19	0	27.19	0	0	27.19	0	0	0	0	0	0	0
	Vegetables	0	0	22.2	22.2	0	0	22.2	0	0	0	0	0	0	0	0
	Paddy	0	0	4.5	4.5	0	0	4.5	0	0	0	0	0	0	0	0
Kannur	<u>Banana</u> (B)44419	7500	7500	17.77	17.77			17.77			nil			nil		
	Banana NB9549	7500	7500	3.42	3.42			3.42	..							
	<u>Coconut</u> (B)293	78000	78000	1.72		1.72			1.72		nil			nil		
	coconut NB 35	78000	78000	0.2		0.2			0.2		nil			nil		
	<u>Arecanut</u> (B) 1157	8924	8924	1.05		1.05			1.05							
	Pepper 25	7188	7188													
	Rubber T11294	24543	24543	25.09			25.1			25.1	nil			nil		
	cashew 509	22800	22800	2.99			2.99			2.99						
	Tapioca 4.5	1673	1673	4.5		4.5			4.5							
Kasargode				121.7												
Total		408001	480088	1860	1121	230	496	906	187	461	7.3	16				

A-Annual,I-Irrigated, R- Rainfed, P-Perennial

AGRICULTURAL LOSSES IN THE DISTRICTS - PRE-MONSOON - 1st to 30th April 2014

District	Total Agricultural area affected	Total agricultural area where crop loss is >50%	Out of (4) area belonging to			Assistance sought for			Total assistance sought (Rs. in lakhs)
			5A R	5B I	5C P	6A R (Rs.4500xCol.5A)	6B I (Rs.9000 x Col.5B)	6C P (Rs.12000xCol.5C)	
1	2	3							6A+6B+6C
Trivandrum	20016	10026	4060	3268	2698	182.7	294.12	323.76	800.58
Kollam	98 Ha	98 Ha	80 Ha	18 Ha	16 Ha	0.36	1.62	1.92	3.9
Pathanmathitta	80.39	80.39	8.37	55.86	16.16	0.37665	5.0274	1.9392	7.34325
Alappuzha									Not available
Kottayam	494	494	56	138	300	2.52	12.42	36	50.94
Idukki	41.8 ha	41.8 ha	26.3	12.25	3.3	1.18125	1.1025	0.396	2.67975
Ernakulam									
Thrissur	1012	465.3902	1.2	452.8148	11.3754	0.054	407.5333	1.36505	408.17237
Palakkad	125.342	125.342	0	111.3152	14.03	0	10.01837	1.6836	11.701968
Kozhikode	109.42	109.42	18.7	76.6076	14.13	0.8406	6.89468	1.6956	9.43088
Malappuram	280.15	280.15	83.1	172.7	24.34	3.73995	15.543	2.9208	22.20375
Kozhikode	109.42	109.42	18.7	76.6076	14.13	0.8406	6.89468	1.6956	9.43088
Wayanad	471.86	471.86	27.19	373.82	70.85	1.22355	33.6438	8.502	43.36935
Kannur	72.68	56.74	7.47	21.19	28.08	0.33615	1.9071	3.3696	5.61285
Kasargod		121.7							61.5662
Total	22771.262	12340.412	4307	4759.165	3170.055	194.17275	796.7249	385.24745	1397.5848

I-Irrigated, R- Rainfed, P-Perennial

**ANNEXURE 3- ASSISTANCE TO FISHERMAN FOR REPAIR/REPLACEMENT OF BOATS, NETS- DEPT.
FISHERIES, GOVT OF KERALA**

District	Fully damaged boats	Cost	Partially damaged boats	Cost	Fully damaged nets	Cost	Partially Damaged nets	Cost	Amount
Thiruvananthapuram	25	1.75	138	4.14	110	2.035	168	2.52	10.445
Kollam	0	0	0	0	2	.037	0	0	0.037
Pathanamthitta	0	0	0	0	0	0	0	0	0
Alappuzha	0	0	0	0	6	0.1	0	0	0.1
Kottayam	0		0	0	0	0	0	0	0
Idukki	0	0	0	0	0	0	0	0	0
Ernakulam	0	0	0	0	0	0	0	0	0
Thrissur	2	0.14	5	0.15	5	0.0925	1	0.015	0.3975
Palakkad	0	0	0	0	0	0	0	0	0
Malappuram	0	0	0	0	0	0	0	0	0
Kozhikode	0	0	0	0	0	0	0	0	0
Wayanad	0	0	0	0	0	0	0	0	0
Kannur	0	0	0	0	0	0	0	0	0
Kasargode	0	0	0	0	0	0	0	0	0
Total	27	1.89	143	4.29	123	2.2645	169	2.535	10.9795

ANNEXURE 4- ANIMAL FATALITY AND LOSS TO CATTLE SHEDS- DEPT OF ANIMAL HUSBANDRY AND DAIRY DEVELOPMENT

District	Animal & Poultry Fatality	Totally Damaged cattle sheds	Provision for feed and concentrate	Additional costs of medicines	Damage to straw	Transportation of fodder	Total
Thiruvananthapuram	7.9324	3.6	0	0	0	0	11.5324
Kollam	0.8	0.25	0	0	0	0	1.0500
Pathanamthitta	0	0	0.4	0	0	0	0.4000
Alappuzha	0	1.5	0	0	7.5	0	9.0000
Kottayam	0.8	1.2	0	0	0	0	2.0000
Idukki	0.35	0.2	0	0	0	0	0.5500
Ernakulam	1.4	13.7	0	0	0	0	15.1000
Thrissur	0	0.2	0	0	0	0	0.2000
Palakkad	0.5	0.3	0	0	0	0	0.8000
Malappuram	0	0	0	0	0	0	0.0000
Kozhikode	0	0	0	0	0	0	0.0000
Wayanad	0.328	0.1	0	0	0	0	0.4280
Kannur	1.85	11	0	0	0	0	12.8500
Kasargode	0	0	0	0	0	0	0.0000
Total	13.9604	32.05	0.4	0	7.5	0	53.9104

ANNEXURE 5- REPAIR OF DAMAGED IRRIGATION STRUCTURES AND DRINKING WATER SUPPLY SCHEMES- DEPT OF IRRIGATION AND KERALA WATER AUTHORITY

District Name	Nature of damage	Type of work (embankments, canals, irrigation structures etc) -	Approximate cost as per the schedule of rates of the district (in lakhs)	Approximate area affected (in ha) due to damage	Actual Expenditure incurred	Committed expenditure as per the norms of NDRF within 30 days (in lakhs)	Total committed expenditure (in lakhs)	Total number of trips engaged	Cost incurred (in lakhs)
Trivandrum	Partially	canals, irrigation structures etc	25	10	24	0	24	0	0.00
Kollam	0	0	0	0	0	0	0	1020	14.10
Pathanamthitta	0	0	0	0	0	0	0	730	36.50
Alappuzha	0	0	0	0	0	0	0	9630	250.00
Kottayam	0	0	0	0	0	0	0	0	0.00
Idukki	0	0	0	0	0	0	0	in 16 panchayaths	43.00
Ernakulam	Canal Bund eroded	Canal embankments in Karukappilly L.I.Scheme (M.I Project)	7	100 m Canal bund (different location)	0	0	7	10860	200.00
Thrissur	0	0	0	0	0	0	0	80	1.38
Palakkad	0	0	0	0	0	0	0	0	0.00
Malappuram	0	0	0	0	0	0	0	0	0.00
Kozhikode	0	0	0	0	0	0	0	0	0.00
Wayanad	0	0	0	0	0	0	0	0	0.00
Kannur	0	0	0	0	0	0	0	1165	38.23
Kasargode	0	0	0	0	0	0	0	0	0.00
Total			32		24	0	31	-	583.21

ANNEXURE 6- DAMAGES TO POWER SECTOR – KSEB (1ST TO 30TH APRIL 2014)

No	District Name	Nature of damage	Type of work (Loss of poles, wires, transformers etc) and their numbers	Approximate cost as per the schedule of rates of the district (in lakhs)	Actual Expenditure incurred	Committed expenditure as per the norms of NDRF within 30 days (in lakhs)	Total committed expenditure (in lakhs)
1	Trivandrum	Poles (LT)	PSC-155,Apoles-9	24.45	27.86	-	27.86
		Poles (HT)	Total-164 HT,HT	45.71	57.31	-	57.31
		Wire (km)	Pole LT 512 HT line Broken 76.36	110.68	109.09	16.51	111.96
		Transformer	14	19.69	27.12	-	27.12
2	Kollam	Poles (LT)	917	11.92947	60.8256	-	149
		Poles (HT)	156	3.57739	13.5123	-	
		HT Line broken (Km)	1.49	1.0841	2.43558	-	
		LT Line broken (Km)	47.304	6.57269	17.396768	-	
		Transformer	20	16.306387	20.1721	-	
3	Pathanamthit ta	Poles (LT)	533	7.67965	7.67965	-	7.67965
		Wire (km)	71	17.06595	17.06595	-	17.06595

		Transformer	5	6.32133	6.32133	-	6.32133
4	Alappuzha	HT Poles damaged	53	-	-	-	2.85
		LT Poles damaged	197	-	-	-	10.59
		HT Line broken (Km)	6.985	-	-	-	3
		LT Line broken (Km)	18.589	-	-	-	6.69
		Transformer failed	13	-	-	-	16.2
5	Kottayam	Poles (LT)	349	5.27	17.54	17.54	17.54
		Wire (km)	34.72	11.75	15.43	15.43	15.43
		Transformer	5	5.14	5.64	5.64	5.64
6	Idukki	Poles Damage (HT)	22	0.5823	1.55075	0.84575	1.42575
		HT line broken	0.61	0.7813	0.85	-	0.85
		Poles Damage (LT)	95	1.62906	7.74944	6.47944	6.36944
		LT line broken	38.525	6.62373	7.21338	0.18669	6.8
		Transformer	LT bush of 25 KV AXER, 25x3 1x 100	2.61	2.902	-	2.8
	Ernakulam	Poles (LT)	-	-	-	-	-

7		Wire (km)	-	-	-	-	-
		Transformer	-	-	-	-	-
8	Thrissur	HT Poles damaged	40	0.0626	2.504	-	2.504
		LT Poles damaged	130	0.0426	5.538	-	5.538
		HT Stay damaged	15	0.0146312	0.219468	-	0.219468
		LT Stay damaged	65	0.0126688	0.823472	-	0.823472
		HT Line snapped	35	0.047478	1.66173	-	1.66173
		LT Line snapped	320	0.029396	9.40672	-	9.40672
		Transformer failed	-	0.80383	-	-	-
9	Palakkad	HT Poles damaged	103	14.53	6.02	-	6.02
		LT Poles damaged	243	6.74	7.41	-	7.41
		Conductor (km)	4.134	1.76	2.88	-	2.88
		HT Line broken (km)	0.32	3.67	3.67	-	3.67

		LT Line broken (km)	9.79	5.32	5.32	-	5.32
		Transformer failed	1	1	1	-	1
10	Malappuram	Poles (LT)	588	31.32	31.32	31.32	31.32
		Wire (km)	655.5	5.284	5.284	5.284	5.284
		Transformer	3	5.445	5.445	5.445	5.445
11	Kozhikode	Poles (LT)	-	-	-	-	-
		Wire (km)	-	-	-	-	-
		Transformer	-	-	-	-	-
12	Wayanad	HT Poles damaged	65	6.51195	6.51195	-	6.51195
		LT Poles damaged	244	14.1036	14.1036	-	14.1036
		HT Line broken (Km)	0.75	0.4893	0.4893	-	0.4893
		LT Line broken (Km)	7.75	3.48633	3.48633	-	3.48633
		Transformer failed	-	-	-	-	-
13	Kannur	Poles (LT)	163	2.20539	9.54039	-	9.54039
		Wire (km)	10.765	3.994892	4.15637	-	4.15637
		Transformer	-	-	-	-	-

14	Kasargode	Poles (LT)	-	-	-	-	-
		Wire (km)	-	-	-	-	-
		Transformer	-	-	-	-	-
Total			412.32702	552.452678	104.68088	627.28995	

ANNEXURE 7- LOSS TO ROADS- DEPT OF PUBLIC WORKS

District Name	Road name	Length of damaged road (in Km)	Location of road (Normal or Hills)	Approximate cost for repair as per the schedule of rates of the district (in lakhs) @ Normal and Urban areas: 15% of the total OR & PR; Hills: 20% of the total OR & PR (in Lakhs)
Thiruvananthapuram	Nil	28	Normal and hills	1225
Kollam	NH 744 (Kollam – Thirumangalam Road)	20 Km	Normal	30
	NH 744	36 Km	Hilly	10
	NH 066	58 Km	Normal	93
	NH 183	20 Km	Normal	35
	NH 744	10 Km	Normal	2
	NH By pass	250 m	Normal	1
Pathanamthitta	Plappally- kakki-vandiperiyar road	1.5	Hilly	50
	Ozhuvanpara vadaserikkara road	1.2	Normal	30
	Punalloor-Muvattipuazha road	1	Normal	20
	Chethomkara athikkayam road	1	Normal	20
	Kallisery-Vallamkulam road	0.5	Normal	3
	Komalam - Puthuseri road	-	Normal	10
	Karuthavadaseri-Thopillapady road	-	Normal	10

Maramon-Arattupuzha Road	2	Normal	4
Nanoor-Puthanparambil kadavu	0.7	Normal	3
Kumbanad-Cherukolpuzha	0.8	Normal	2.5
SMV road	0.5	Normal	3
Mammood Othera paramoottil kadavu	0.8	Normal	3
Pannai-Thevari road	1	Normal	4
Alumthuruthi-Puthiya thodu road	2.985	Normal	4
Austin road	0.2	Normal	5
Sasthamkoickal-Ezhumattoor road	0.2	Normal	5
Providing patch works to TMV road	0.03	Normal	5
Patch repairs to Thiruvala-Mallappally road	10	Normal	5
Patch repairs to Kadamankulam-Chenganoor road	2	Normal	5
Reconstructed of damaged MC road	0.27	Normal	30
Providing patch works to Parakkode-Kodumon road	0.09	Normal	10
Providing patch works to Parakkode-iverkala road	1	Normal	5
Providing patch works to Pannivizha-Parakkode road	1	Normal	5
Providing patch works to Adoor Thumppamon road		Normal	5
Providing patch works to		Normal	5

	Kurampala- Keerukuzhy road			
	Providing patch works to Pattamthara-Ottathekku road	2	Normal	5
	Providing patch works to Pattamthar-Ottathekku 4/000-4/800km road	0.8	Normal	5
	Providing patch works to Kurampala-Pazhakulam road road		Normal	5
Alappuzha	Various Roads	-	Normal	50
Kottayam	Nil	Nil	Nil	Nil
Idukki	Muttom - Karimkunnam	2km	Normal	44
	Kallarkutty – Vellathooval road	4km	Hill	84
	Anachal – 2 nd mile.	6km	Hill	124
	Kallarkutty – Panamkutty	5km	Hill	104
Ernakulam	Nil	Nil	Nil	Nil
Thrissur	Nil	Nil	Nil	Nil
Palakkad	Palakkad-PonnaniKM0/00-22/00	22	Normal	20
	Palakkad-Ponnani KM22/00-45/00	23	Normal	20
	Palakkad-Malampuzha KM 5/00-6/00	1	Normal	10
Malappuram	Nil	Nil	Nil	Nil
Kozhikode	Nil	Nil	Nil	Nil
Wayanad	Mananthavady - Vimalanagar - Kulathada - Valad H.S - Peria road.km 0/000 to 8/000	8.00 km	Hills	15.00

Thavinjal Valad Kunhome Kunkichira road bet km 8/250 to 16/000	7.75 Km	Hills	10.00
Mananthavady - Vimalanagar - Kulathada - Valad H.S - Peria road.km 18/000 to 26/000	8.00 km	Hills	15.00
Thavinjal Valad Kunhome Kunkichira road bet km 0/000 to 8/250	7.25 Km	Hills	8.00
6th mile - Kamanna - Karinthirikadavu - Mananthavady road.0/00 to 7/000	7.00 Km	Hills	10.00
Peria -Erumanathur - Pambala Kunhome road. 0/000 to 7/000	7.00 Km	Hills	7.00
Dasanakkara-Payyampally- Koyilery Road KM 0/000- 3/000	3 Km	Hills	15.00
Ondayangadi-Trissilery Road Km 0/000-6/000	6 Km	Hills	15.00
Kattikulam--Panavally- Thirunelly Road KM 5/500- 7/000 & 10/000-13/000	4.5 Km	Hills	55.00
Panamaram LPS-Neeratadi- Vilambukandam	5	Hill	15.00
Mananthavady- Kandothuvayal (bet km 7/00 to 12/00 & bet km 13/500 to 14/00)	5.50km	Hill	15.00

Kellur-Cheriamkolly- Kazhukkalodi- Vilambukandam- Kambalakkad (bet km 6/500 to 8/500 & bet km 8/700 to 13/00)	6.300km	Hill	15.00
Peria-Korome (bet km 10/00 to 12/00)	2.00km	Hill	8.00
7/4- pathirichal-pallikkal- mndy (bet km 03/00 to 4/600)	1.600km	Hill	5.00
Anchampeedika-Puthusseri- Kanjirangad (bet km 1/00 to 4/200 & bet km5/200 to 9/490)	7.490km	Hill	10.00
Vaduvanchal- Kolagapara	1.6	Hill	20.00
Sulthan Bathery- Cherambady	0.8	Hill	10.00
Ambalavayal- Chulliyode	3	Hill	38.00
Meenangadi- Kumbleri- Ambalavayal	1.7	Hill	24.00
Irulam-Moonanakuzhi- Meenagadi	0.6	Hill	8.00
Pazhoor - Cheeral- Nambiarkunnu	0.8	Hill	12.00
Narikundu-Thommatuchal	1.5	Hill	20.00
Irrutarrakolly-Karingalode- Puttad-Meppadi	2.8	Hill	32.00
Madakara-Thazhathoor- Cheeral-Nambiarkunnu	1.5	Hill	15.00
Edakkal-Ambukuthi	1.8	Hill	18.00
Muttill-Meppadi Road	4.00 km	Hill	7.00

Vengapally-Anoth-Pozhuthana Road	1.60km	Hill	5.00
Kalpetta -Meppadi	3.00 km	Hill	3.00
Kaniyambetta-Meenangadi Road	4.00 km	Hill	7.00
Karani-Kambalakkad Road	1.50km	Hill	5.00
Kakkavayal-Kolavayal-Kariambadi-Kenichira Road	2.0 km	Hill	3.00
Koodothumal-Cheekalloor-Nadavayal Road	2.00 km	Hill	2.00
Kalpetta -Varambetta Road	2.00 km	Hill	3.00
Chennaiodu-Oottupara Road	7.00 km	Hill	4.00
Puthuseerykadavu-Bankkunnu Road	2.00 km	Hill	3.00
Chennaiodu-Mundakutty-Cheriamkolly Road	2.00 km	Hill	2.00
Kavumandam-Madakunnu-Bankkunnu Road	12.00 km	Hill	7.00
Venniyodu-Mechana-Arambettakunnu Road	6.00 km	Hill	3.00
Kenichira-Pulpally road	1	Hills	5.00
Beenachi-Panamaram road	1.55	Hills	8.00
Mullankolly- Padichira-Kabanigiri- Marakkadavu-Perikkalloor Road	1.5	Hills	7.00
Kappiset - Pulppally - Anappara - Pakkom - Dasanakkara Road	0.73	Hills	5.00

Thannitheruva-Chettappalam-Pallithazhe-Chamappara-Kolavally-Grahannoor-Marakkadavu road	3.5	Hills	12.00
Cheeyambam- Shed-Mullankolly road	2	Hills	5.00
Cheeyambam-56-Kappiet road	2.2	Hills	4.00
Parakkadavu - Madappalli Kunnu Chamapara - Kolavally- Marakkadavu - Perikkalloor Kadavu Road	1.3	Hills	3.00
Padichira- Seethamout-Kolavally road	1	Hills	5.00
Sulthan Bathery- Noolpuzha road	16 KM.-6.00m.(6 % area damaged)	Hill	7.00
Sulthan Bathery- Cherambady road	3 KM.-8-5.5m.(8 % area damaged)	Hill	0.75
Sulthan Bathery- Malavayal - Ambalavayal road	6.8 KM.-3.8 -5.50m. (10 % area damaged)	Hill	1.50
Kaniyambetta - Meenangadi road	3 KM.-5.5m. (12 % area damaged)	Hill	0.70
Sulthan Bathery- Kattayad - Pazhuppathur-Vakery road	15 KM.-3.80m.(9 % area damaged)	Hill	3.50
Meenangadi-Malakkad road	3.5 KM.-3.80m.(15 % area damaged)	Hill	1.00
Vidyabhavan road	1.8 KM.-3.00 (20 % area damaged)	Hill	1.00
Maithanikkunnu road	1.5 KM.-5.50m.(8 % area damaged)	Hill	0.50
Bishop house road	1KM.-3.8m.(8 % area damaged)	Hill	0.45

	Manichira-Poothikkad-Beenachi road	2.2KM.-5.00m.(8 % area damaged)	Hill	0.50
	Ammaippalam-Manivayal road	2.2KM.-5.50m.(8 % area damaged)	Hill	0.50
Kannur	Mattannur Sivapuram Tholambra Peravoor Road	Km0/00-0/500 & 4/100-5/00 (Total- 1.40Km)	Normal	5
	Puthoor PO- Kaivelikkal Nillangal Road	Km5/000-6/240 (Total - 1.240km)	Normal	5
	Kolachery – Chekkukulam road	Km 0/000-1/000 (Total – 1.0km)	Normal	5
	Valiyannur Nayattupara Road	Km 13/500-15/562 (Total – 2.012km)	Normal	6
	Valiyannur Nayattupara Road	Km 2/500-4/00 (Total – 1.50km)	Normal	4
	Thalassery Anjarakandy Road	Km 15/000-15/600 (Total 0.60km)	Normal	3
	Kaliyil Thottummal Kadirur Road	Km 0/00-1/950 (Total 1.95km)	Normal	3
	Kaliyil Thottummal Kadirur Road	Km 1/950 – 5/200 (Total – 3.25km)	Normal	6
	Alakode Pathanpara Vellad road	Km 0/00-5/000 (Total – 5.0km)	Hill	6
	Manakkadavu Kappimala Road	Km 3/500 -7/00 (Total – 3.50km)	Hill	4
	Udayagiri – Arivillanhapoyil Road	Km 3/500 -7/500 (Total – 4.0km)	Hill	4
	Kanichar Kaliyancha Valachal Muttumatty Adakkathodu Road	Km 7/00 – 9/300 (Total – 2.30km)	Hill	4
	Kelakam Adakkathodu Road	Km 5/00 – 7/00 (Total – 2.10km)	Hill	4
Karaparamba Aralam	Km 6/00-10/00 (Total- 4.0km)	Hill	5	

	Veerpad road			
	Uliyil Thillankery Kuttimavin keezhu road	Km 2/00-4/500 (Total -2.50km)	Normal	5
	Koottupuzha Peratta Road	Km 0/00- 0/650 (Total – 0.654km)	Normal	3
	Chavassery Naduvanad Road	Km 4/00 – 8/00 (Total – 4.00km)	Normal	6
	Kolikkadavu Thoovakkunnu Theyyampadi Vembuzhachal Road	Km 4/00- 6/300 (Total – 2.300km)	Normal	3
	Madappurachal Arangode Kanichar Road	Km 3/00 – 5/00 (Total – 2.00km)	Hill	4
	Murungodi Melmurugodi Muzhakkunnu Road	Km 0/00 – 4/900 (Total 4.90km)	Normal	6
	Vilakkodu Ayyappankavu Road	Km 0/00 – 1/530 (Total- 1.53 km)	Normal	5
	Randamjkadavu Thundimaram Road	Km 0/00- 2/470 (Total – 2.47km)	Normal	5
	Purakkunnu Kanayi Nareekamvalli Road	Km 0/500- 2/00 (Total -1.50km)	Normal	4
	V P P Road	Km 19/00- 19/400 (Total – 0.40km)	Normal	3
	C K P Road	Km 5/400 – 7/150 (Total 1.75km)	Normal	5
	Aravanchal Purakkunnu Mathamangalam Road	Km 5/700 – 7/300 (Total - 1.600km)	Normal	4
	Padiyottuchal Cherupara Thimiri Perumpadavu Road	Km 7/00 – 10/00 (Total – 3.00km)	Hill	6
Kasargode	Nil	Nil	Nil	Nil
Total		551.08		2781.9

ANNEXURE 8- DAMAGED BRIDGES - DEPARTMENT OF PUBLIC WORKS, GOVT. OF KERALA (1ST TO 30TH APRIL 2014)

Sl. No	District Name	Number of bridges	Location of bridge (Normal or Hills)	Approximate cost for repair as per the schedule of rates of the district (in lakhs) @ Normal and Urban areas: 15% of the total OR & PR; Hills: 20% of the total OR & PR
1	Thiruvananthapuram	Nil	Nil	Nil
2	Kollam	Nil	Nil	Nil
3	Pathanamthitta	2	Komalam - Puthuseri road	10
			Karuthavadaseri-Thopillapady road	10
4	Alappuzha	Nil	Nil	Nil
5	Kottayam	Nil	Nil	Nil
6	Idukki	Nil	Nil	Nil
7	Ernakulam	Nil	Nil	Nil
8	Thrissur	Nil	Nil	Nil
9	Palakkad	Nil	Nil	Nil
10	Malappuram	Nil	Nil	Nil
11	Kozhikode	Nil	Nil	Nil
12	Wayanad	Nil	Nil	Nil
13	Kannur	1	Normal	500
14	Kasargode	Nil	Nil	Nil
Total		3		520