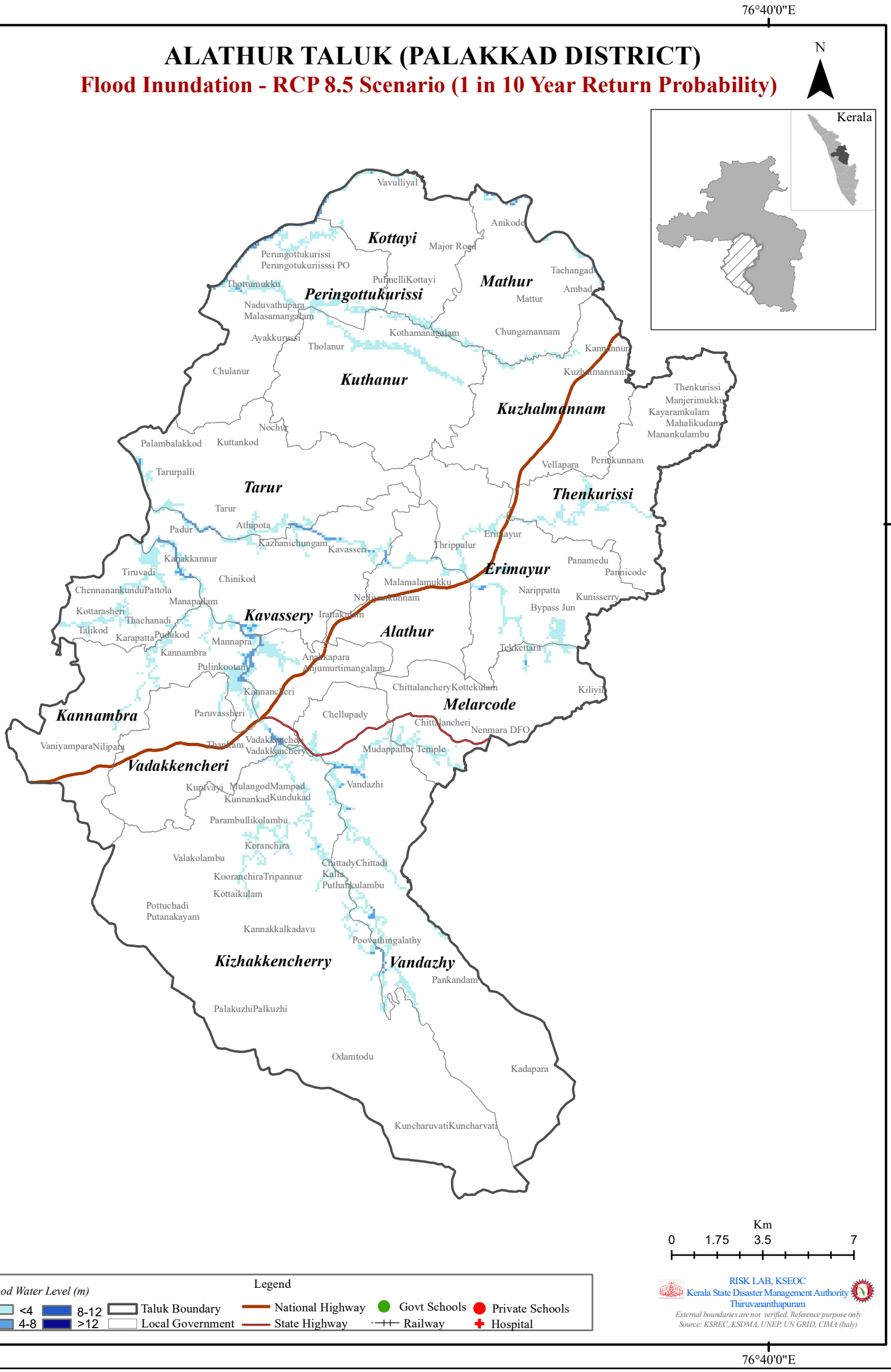
ALATHUR TALUK (PALAKKAD DISTRICT)

Flood Inundation - RCP 8.5 Scenario (1 in 10 Year Return Probability)



ALATHUR TALUK (PALAKKAD DISTRICT)

Flood Inundation - RCP 8.5 Scenario (1 in 10 Year Return Probability)

ALATHUR TALUK (PALAKKAD DISTRICT)

Flood Inundation - RCP 8.5 Scenario (1 in 50 Year Return Probability)

ALATHUR TALUK (PALAKKAD DISTRICT)

Flood Inundation - RCP 8.5 Scenario (1 in 100 Year Return Probability)

ALATHUR TALUK (PALAKKAD DISTRICT)

Flood Inundation - RCP 8.5 Scenario (1 in 200 Year Return Probability)

ALATHUR TALUK (PALAKKAD DISTRICT)

Flood Inundation - RCP 8.5 Scenario (1 in 500 Year Return Probability)

PALAKKAD DISTRICT

ALATHUR TALUK

1 in 10 YEAR (CC – RCP 8.5)			
Sl No	LSG	Flood Inundation Area (Km2)	Max. Flood Level (m)
1	Alathur	0.51	2.86
2	Erimayur	1.89	2.88
3	Kanhirapuzha	0.38	2.2
4	Kannambra	2.28	5.06
5	Kavassery	2.14	5.06
6	Kizhakkencherry	3.15	3.3
7	Kottayi	0.66	3.79
8	Kumaramputhur	0.82	17.56
9	Kuthanur	1.72	2.04
10	Kuzhalmannam	0.32	1.26
11	Mathur	1.14	3.61
12	Melarcode	1.19	2.7
13	Nallepilly	0.55	6.61
14	Peringottukurissi	1.16	3.09
15	Sreekrishnapuram	1.35	7.47
16	Tarur	0.60	3.71
17	Vadakkencheri	1.39	3.6
18	Vandazhy	3.33	4.17

1 in 25 YEAR (CC – RCP 8.5)			
Sl No	LSG	Flood Inundation Area (Km2)	Max. Flood Level (m)
1	Alathur	0.53	3.05
2	Erimayur	2.03	2.98
3	Kanhirapuzha	0.39	2.72
4	Kannambra	2.58	5.55
5	Kavassery	2.36	5.55
6	Kizhakkencherry	3.34	3.9
7	Kottayi	0.73	4.49
8	Kumaramputhur	0.97	17.74
9	Kuthanur	1.78	2.67
10	Kuzhalmannam	0.39	1.42
11	Mathur	1.40	4.16
12	Melarcode	1.31	2.87
13	Nallepilly	0.59	7.03
14	Peringottukurissi	1.33	3.6
15	Sreekrishnapuram	1.52	8.78
16	Tarur	0.69	4.28
17	Vadakkencheri	1.69	4.16
18	Vandazhy	3.46	4.26

1 in 50 YEAR (CC – RCP 8.5)			
Sl No	LSG	Flood Inundation Area (Km2)	Max. Flood Level (m)
1	Alathur	0.55	3.09
2	Erimayur	2.33	3.06
3	Kanhirapuzha	0.39	2.82
4	Kannambra	2.85	6.34
5	Kavassery	2.43	6.34
6	Kizhakkencherry	3.45	4.3
7	Kottayi	0.90	5.09
8	Kumaramputhur	1.09	17.84
9	Kuthanur	1.82	2.98
10	Kuzhalmannam	0.65	2.2
11	Mathur	1.64	4.93
12	Melarcode	1.41	2.96
13	Nallepilly	0.63	7.22
14	Peringottukurissi	1.69	4.02
15	Sreekrishnapuram	1.71	9.82
16	Tarur	0.72	4.64
17	Vadakkencheri	1.81	5.12
18	Vandazhy	3.59	4.37

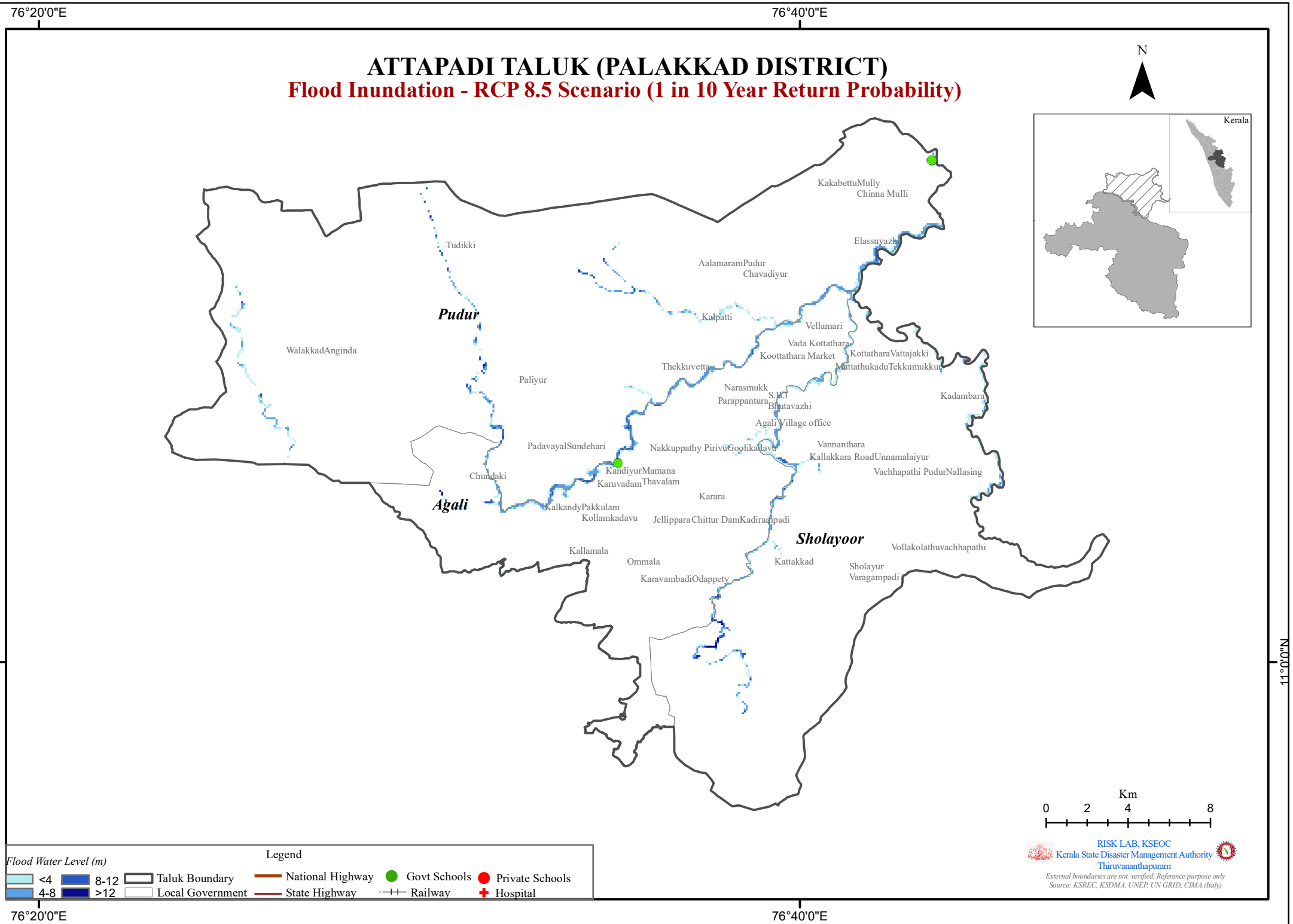
1 in 100 YEAR (CC – RCP 8.5)			
Sl No	LSG	Flood Inundation Area (Km2)	Max. Flood Level (m)
1	Alathur	0.56	3.15
2	Erimayur	2.46	3.15
3	Kanhirapuzha	0.40	2.92
4	Kannambra	2.96	6.54
5	Kavassery	2.52	6.54
6	Kizhakkencherry	3.52	4.7
7	Kottayi	1.05	5.49
8	Kumaramputhur	1.15	17.96
9	Kuthanur	1.91	2.98
10	Kuzhalmannam	0.65	2.2
11	Mathur	1.83	5.21
12	Melarcode	1.51	3.06
13	Nallepilly	0.66	7.41
14	Peringottukurissi	1.88	4.32
15	Sreekrishnapuram	1.92	10.51
16	Tarur	0.75	5.01
17	Vadakkencheri	1.92	5.34
18	Vandazhy	3.70	4.7

1 in 200 YEAR (CC – RCP 8.5)			
Sl No	LSG	Flood Inundation Area (Km2)	Max. Flood Level (m)
1	Alathur	0.56	3.2
2	Erimayur	2.52	3.24
3	Kanhirapuzha	0.41	3.02
4	Kannambra	3.08	6.78
5	Kavassery	2.72	6.78
6	Kizhakkencherry	3.72	5.1
7	Kottayi	1.10	5.49
8	Kumaramputhur	1.25	18.06
9	Kuthanur	1.94	3.02
10	Kuzhalmannam	0.66	2.22
11	Mathur	1.93	5.47
12	Melarcode	1.57	3.35
13	Nallepilly	0.69	7.6
14	Peringottukurissi	1.92	4.32
15	Sreekrishnapuram	2.15	11.4
16	Tarur	0.80	5.28
17	Vadakkencheri	2.02	5.55
18	Vandazhy	3.81	5.1

1 in 500 YEAR (CC – RCP 8.5)			
Sl No	LSG	Flood Inundation Area (Km2)	Max. Flood Level (m)
1	Alathur	0.57	3.2
2	Erimayur	2.61	3.3
3	Kanhirapuzha	0.41	3.12
4	Kannambra	3.25	6.81
5	Kavassery	2.93	6.81
6	Kizhakkencherry	3.89	5.1
7	Kottayi	1.15	5.49
8	Kumaramputhur	1.35	18.16
9	Kuthanur	2.02	3.02
10	Kuzhalmannam	0.68	2.22
11	Mathur	2.14	5.93
12	Melarcode	1.66	3.44
13	Nallepilly	0.72	7.7
14	Peringottukurissi	1.99	4.32
15	Sreekrishnapuram	2.35	12.7
16	Tarur	0.80	5.28
17	Vadakkencheri	2.06	5.67
18	Vandazhy	3.94	5.1

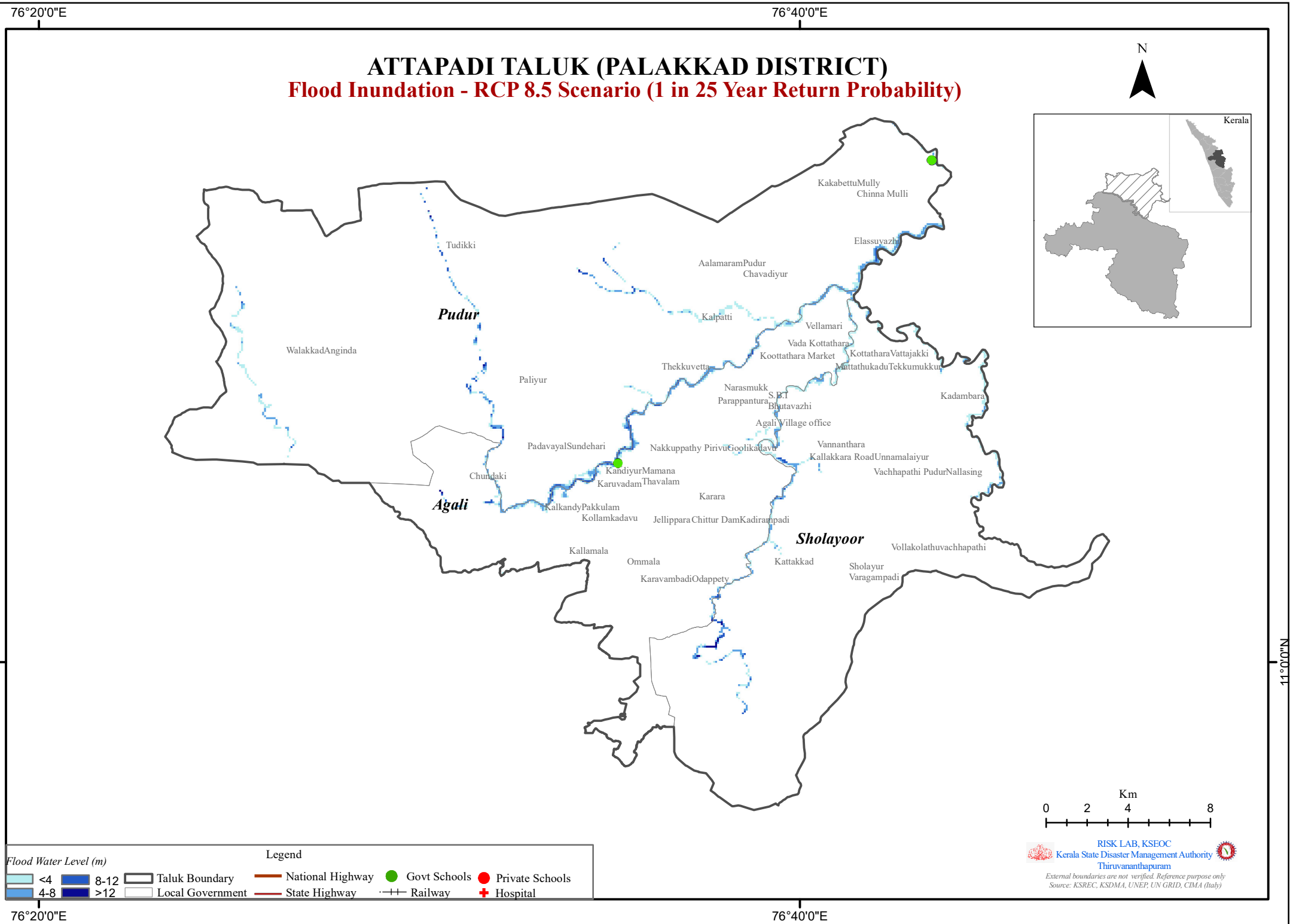
ATTAPADI TALUK (PALAKKAD DISTRICT)

Flood Inundation - RCP 8.5 Scenario (1 in 10 Year Return Probability)



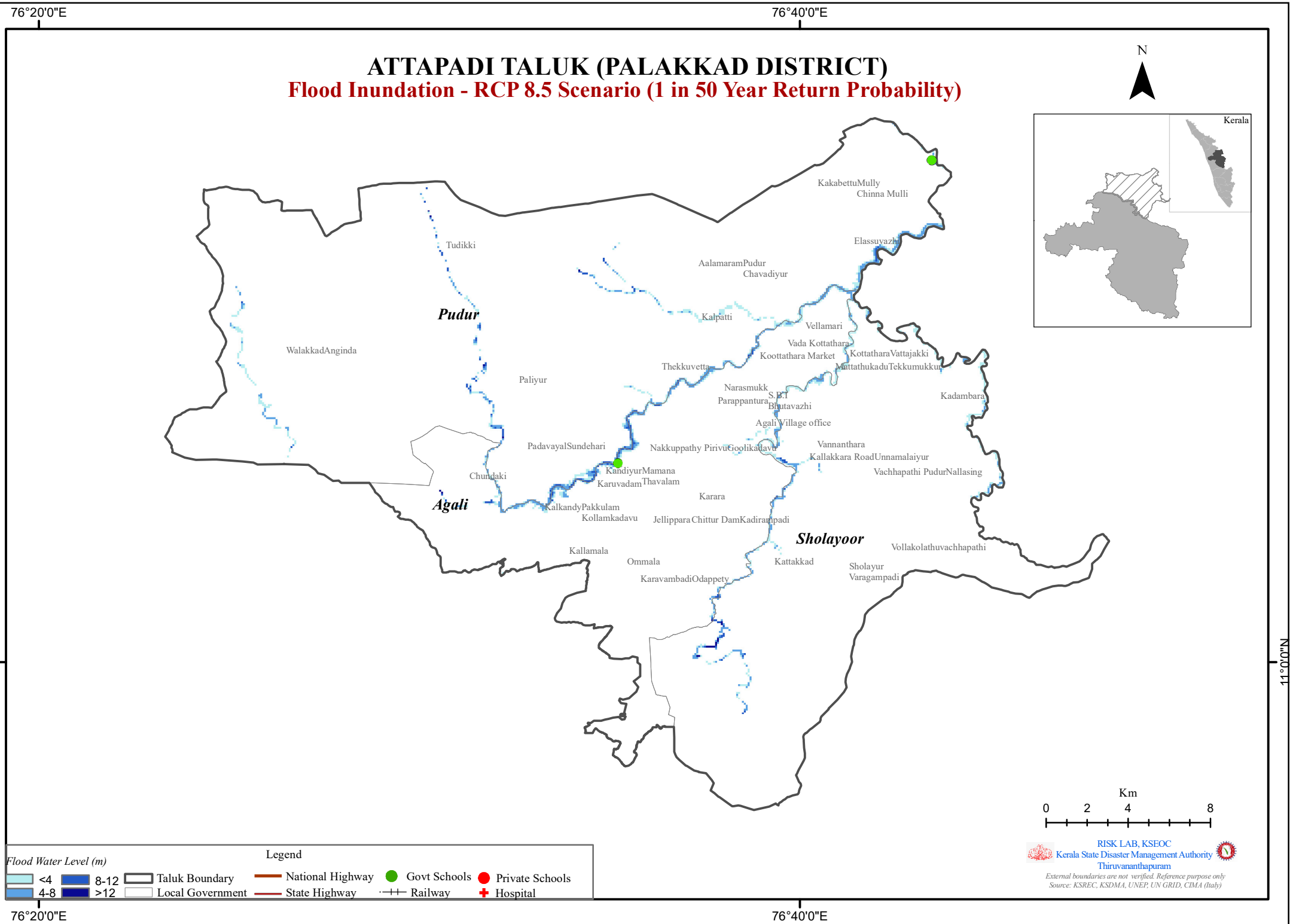
ATTAPADI TALUK (PALAKKAD DISTRICT)

Flood Inundation - RCP 8.5 Scenario (1 in 25 Year Return Probability)



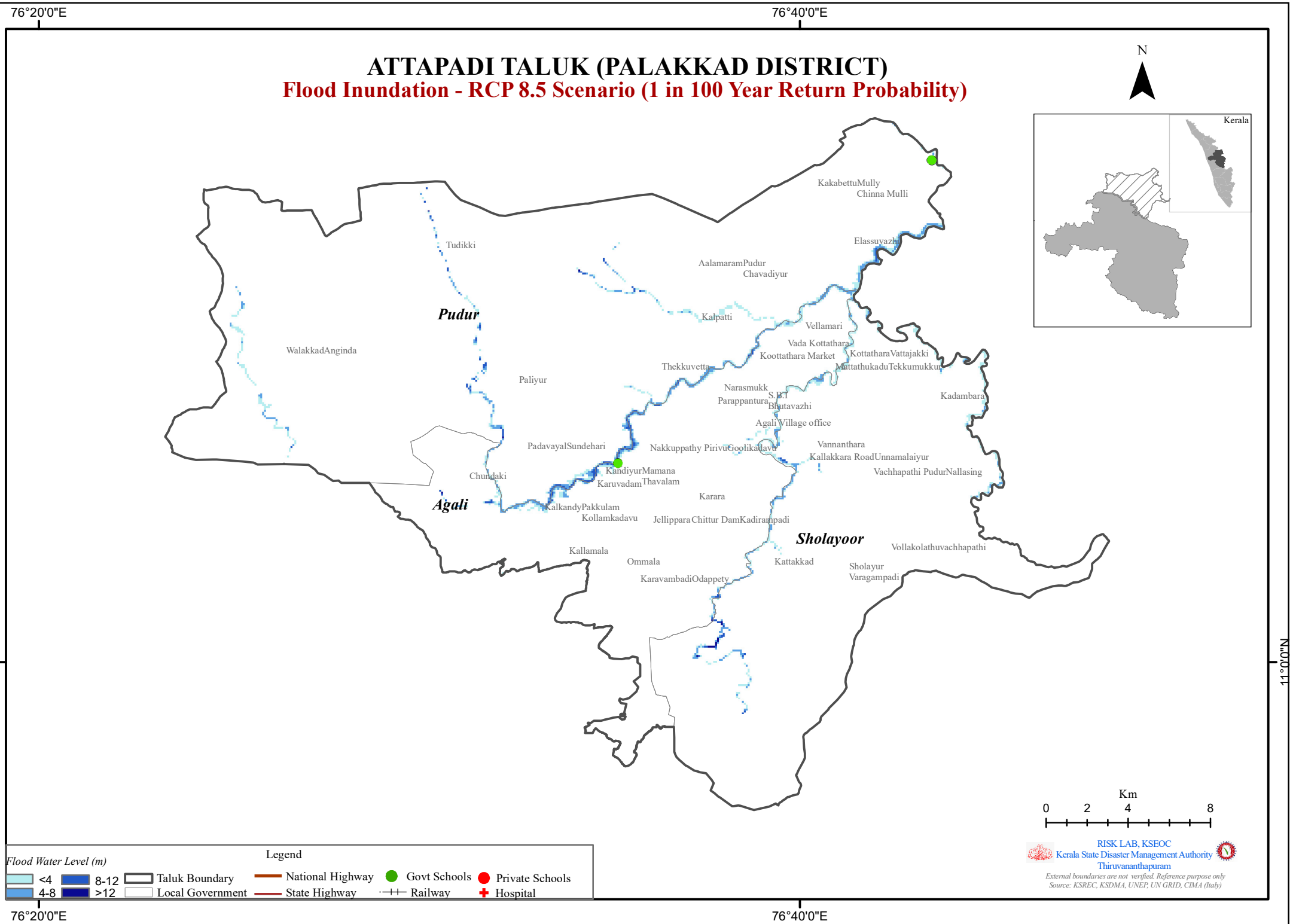
ATTAPADI TALUK (PALAKKAD DISTRICT)

Flood Inundation - RCP 8.5 Scenario (1 in 50 Year Return Probability)



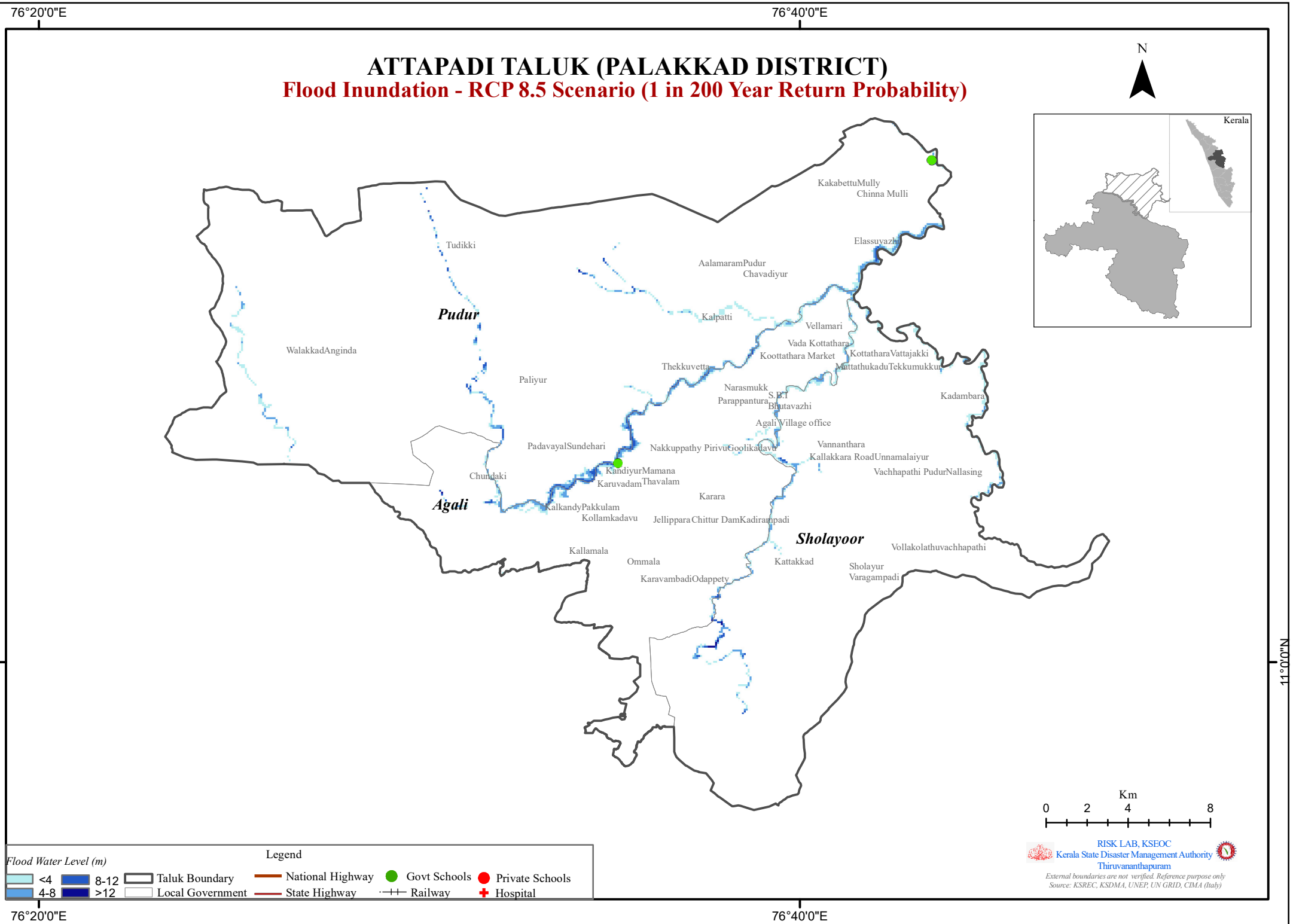
ATTAPADI TALUK (PALAKKAD DISTRICT)

Flood Inundation - RCP 8.5 Scenario (1 in 100 Year Return Probability)



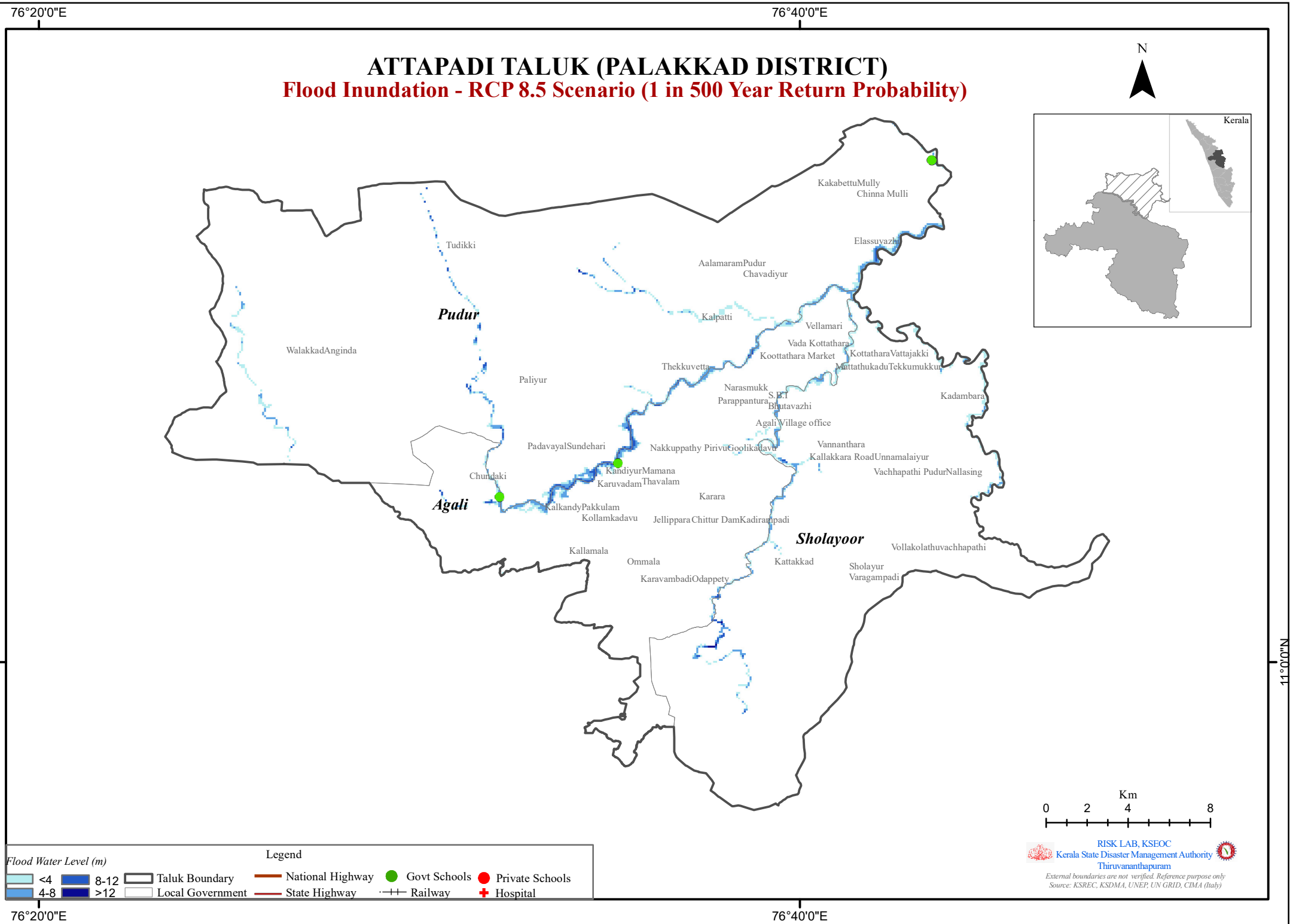
ATTAPADI TALUK (PALAKKAD DISTRICT)

Flood Inundation - RCP 8.5 Scenario (1 in 200 Year Return Probability)



ATTAPADI TALUK (PALAKKAD DISTRICT)

Flood Inundation - RCP 8.5 Scenario (1 in 500 Year Return Probability)



PALAKKAD DISTRICT

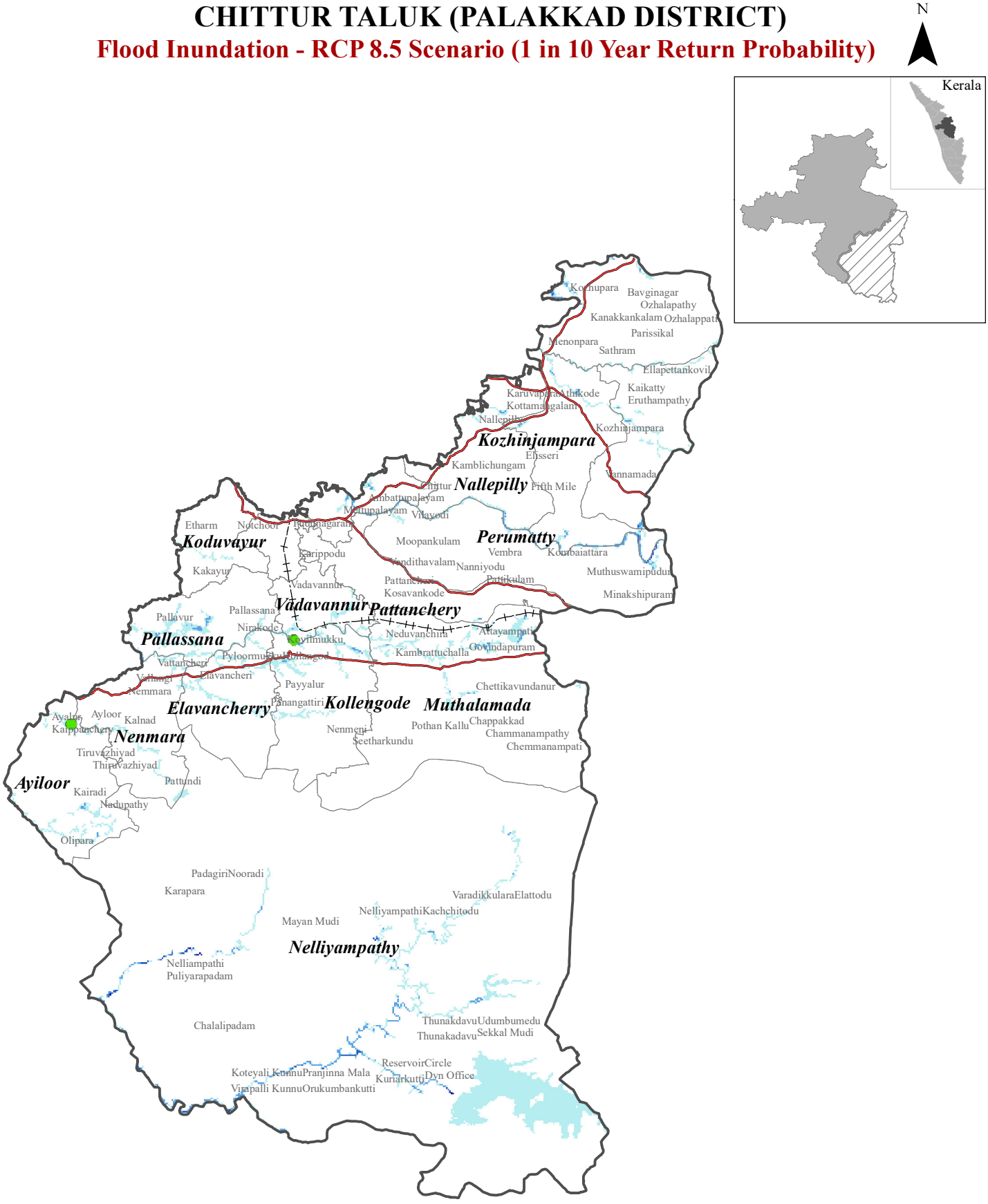
ATTAPADI TALUK

1 in 10 YEAR (CC – RCP 8.5)				1 in 25 YEAR (CC – RCP 8.5)				1 in 50 YEAR (CC – RCP 8.5)			
Sl No	LSG	Flood Inundation Area (Km2)	Max. Flood Level (m)	Sl No	LSG	Flood Inundation Area (Km2)	Max. Flood Level (m)	Sl No	LSG	Flood Inundation Area (Km2)	Max. Flood Level (m)
1	Agali	4.08	18.57	1	Agali	4.35	18.67	1	Agali	4.60	18.67
2	Kanhirapuzha	1.94	4.31	2	Kanhirapuzha	0.01	7.08	2	Kanhirapuzha	0.01	7.08
3	Pudur	6.84	22.12	3	Pudur	7.28	22.12	3	Pudur	7.47	22.12
4	Sholayoor	4.42	22.86	4	Sholayoor	4.53	22.87	4	Sholayoor	4.63	22.92

1 in 100 YEAR (CC – RCP 8.5)				1 in 200 YEAR (CC – RCP 8.5)				1 in 500 YEAR (CC – RCP 8.5)			
Sl No	LSG	Flood Inundation Area (Km2)	Max. Flood Level (m)	Sl No	LSG	Flood Inundation Area (Km2)	Max. Flood Level (m)	Sl No	LSG	Flood Inundation Area (Km2)	Max. Flood Level (m)
1	Agali	4.83	18.73	1	Agali	5.07	18.78	1	Agali	5.31	18.83
2	Kanhirapuzha	0.01	7.1	2	Kanhirapuzha	0.01	7.1	2	Kanhirapuzha	0.01	7.11
3	Pudur	7.67	22.12	3	Pudur	7.87	22.12	3	Pudur	8.09	22.13
4	Sholayoor	4.66	22.95	4	Sholayoor	4.71	22.98	4	Sholayoor	4.84	23.04

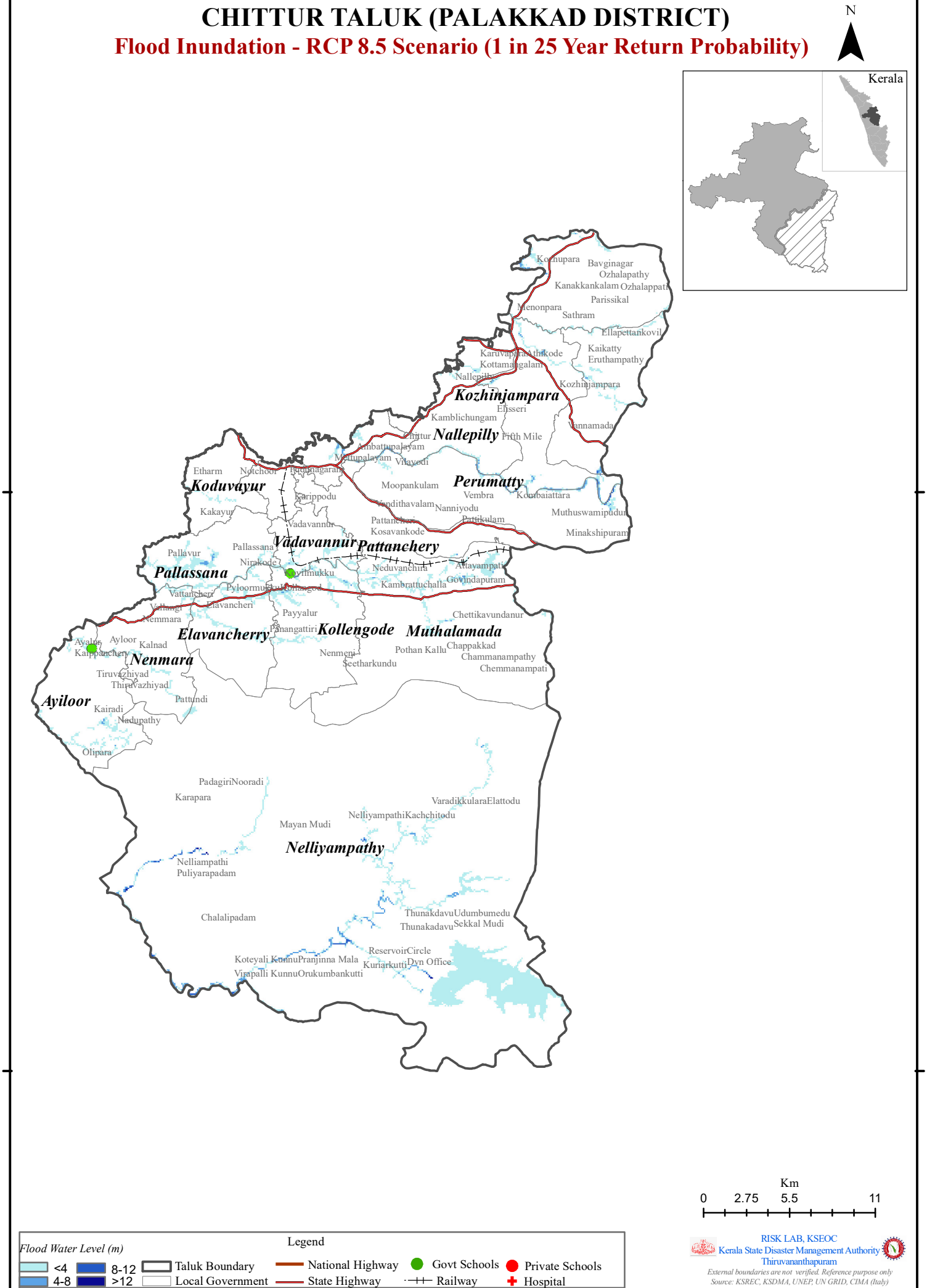
CHITTUR TALUK (PALAKKAD DISTRICT)

Flood Inundation - RCP 8.5 Scenario (1 in 10 Year Return Probability)



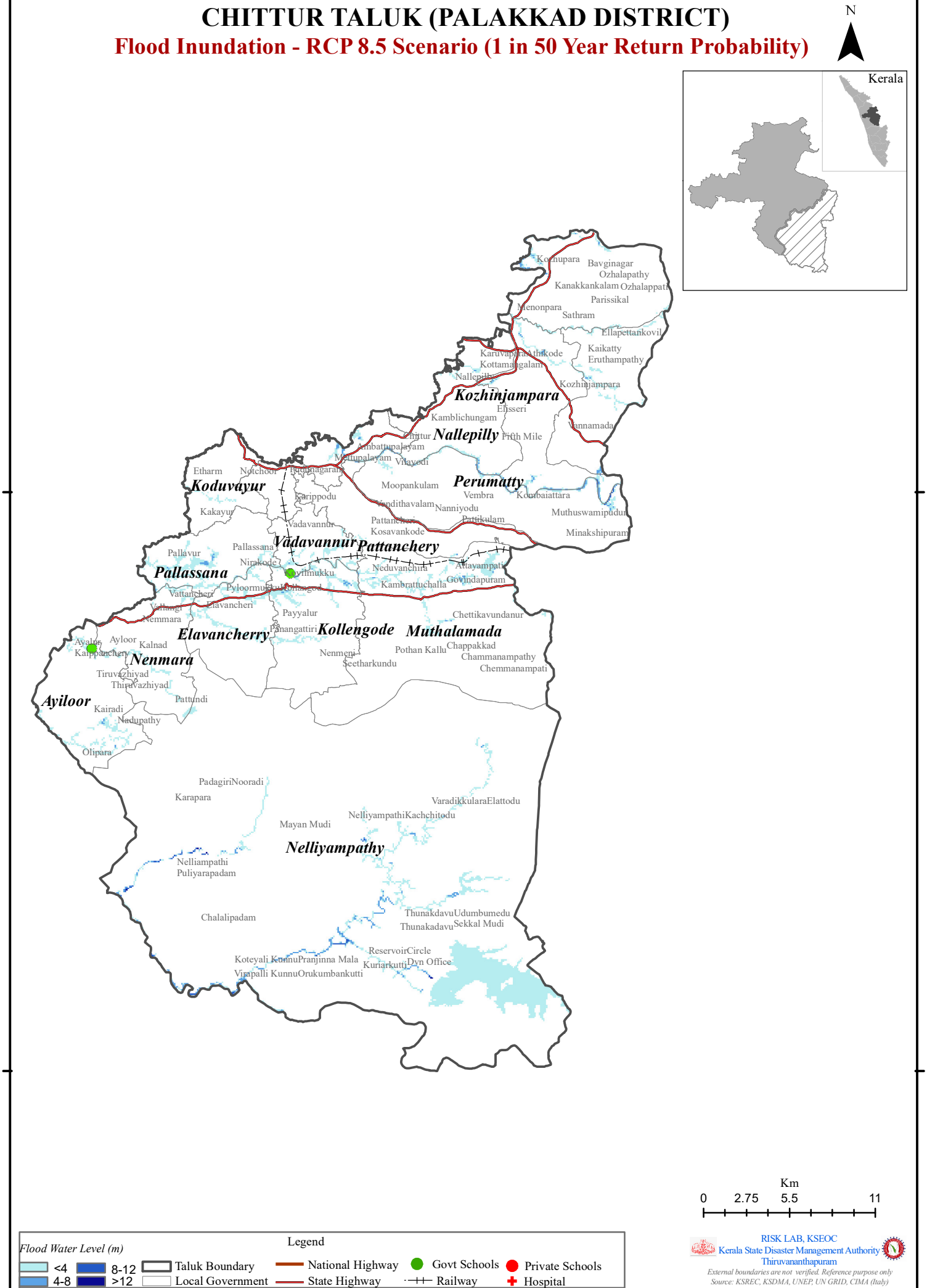
CHITTUR TALUK (PALAKKAD DISTRICT)

Flood Inundation - RCP 8.5 Scenario (1 in 25 Year Return Probability)



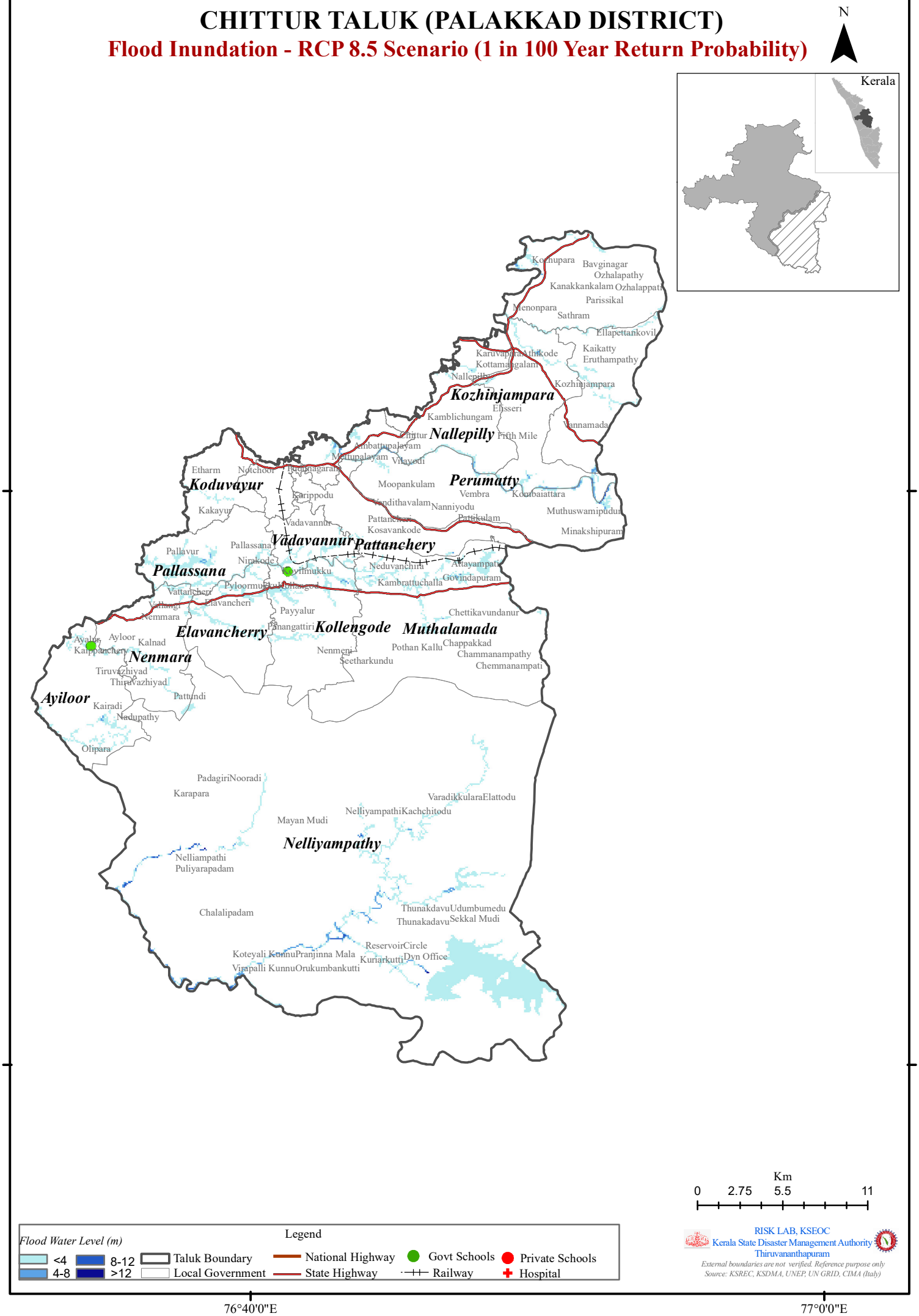
CHITTUR TALUK (PALAKKAD DISTRICT)

Flood Inundation - RCP 8.5 Scenario (1 in 50 Year Return Probability)



CHITTUR TALUK (PALAKKAD DISTRICT)

Flood Inundation - RCP 8.5 Scenario (1 in 100 Year Return Probability)

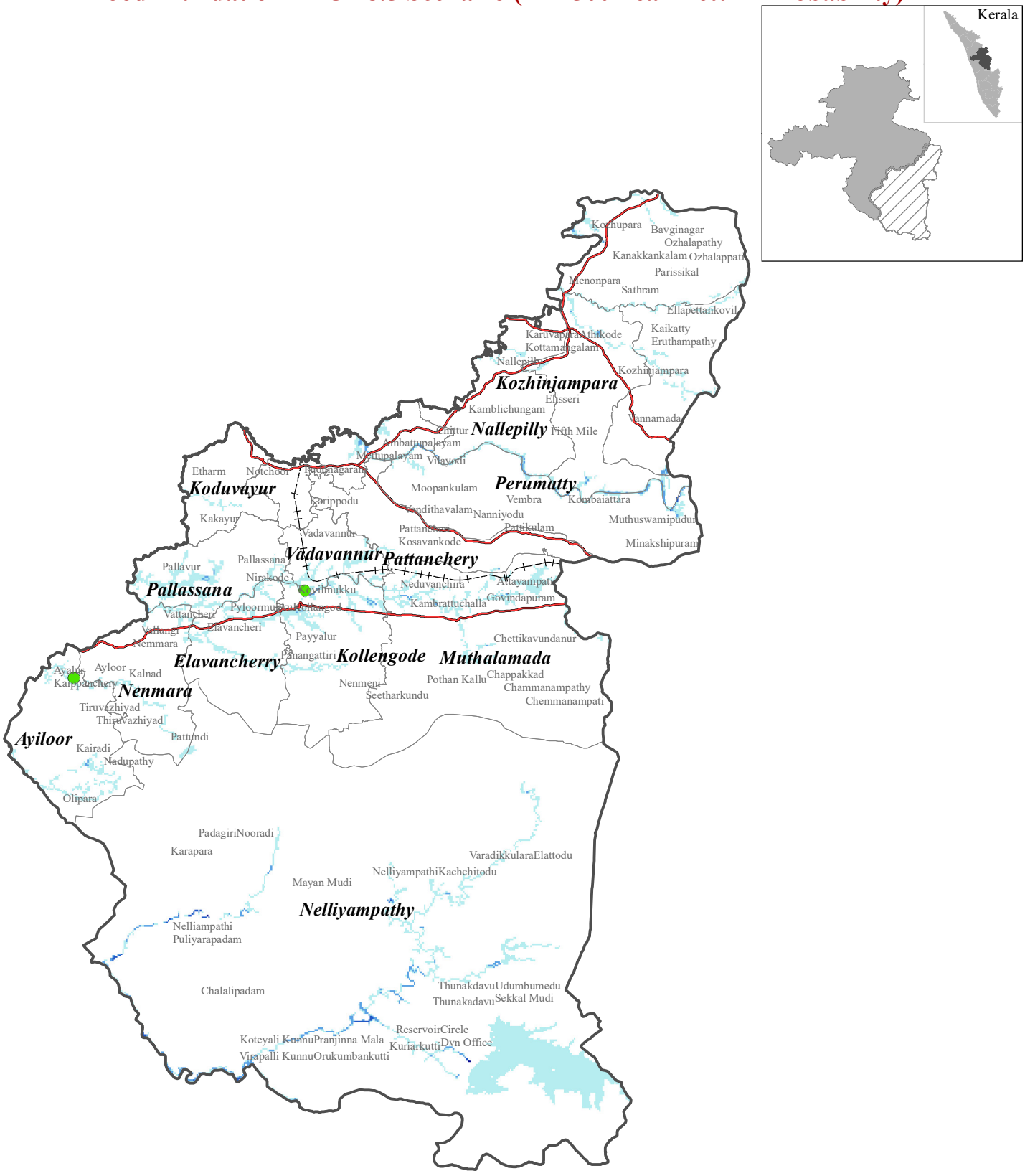


CHITTUR TALUK (PALAKKAD DISTRICT)

Flood Inundation - RCP 8.5 Scenario (1 in 200 Year Return Probability)

CHITTUR TALUK (PALAKKAD DISTRICT)

Flood Inundation - RCP 8.5 Scenario (1 in 500 Year Return Probability)



PALAKKAD DISTRICT

CHITTUR TALUK

1 in 10 YEAR (CC – RCP 8.5)

Sl No	LSG	Flood Inundation Area (Km2)	Max. Flood Level (m)
1	Ayiloor	1.10	3.22
2	Chittur Tattamangalam Municipality	0.89	4.61
3	Elavancherry	2.28	2.66
4	Eruthenpathy	1.52	7.5
5	Kanhirapuzha	0.05	10.6
6	Koduvayur	0.35	1.17
7	Kollengode	2.83	3.65
8	Kozhinjampara	2.01	10.62
9	Muthalamada	4.48	4.47
10	Nallepilly	0.38	4.05
11	Nelliyampathy	28.14	27.64
12	Nenmara	1.59	2.42
13	Pattambi Municipality	1.48	9.97
14	Pattanchery	0.09	2.97
15	Peringottukurissi	1.28	5.37
16	Perumatty	1.40	10.62
17	Puducode	2.03	3.88
18	Tachampara	0.51	6.58
19	Thachanattukara	0.28	7.2
20	Thenkara	1.06	14.84
21	Thirumittacode	0.02	5.57
22	Vadakarapathy	1.55	10.86
23	Vadavannur	1.25	2.84

1 in 25 YEAR (CC – RCP 8.5)

Sl No	LSG	Flood Inundation Area (Km2)	Max. Flood Level (m)
1	Ayiloor	1.18	3.47
2	Chittur Tattamangalam Municipality	0.97	5.45
3	Elavancherry	2.51	2.91
4	Eruthenpathy	1.62	7.52
5	Kanhirapuzha	0.05	10.71
6	Koduvayur	0.36	1.17
7	Kollengode	3.02	3.74
8	Kozhinjampara	2.14	10.94
9	Muthalamada	4.63	4.52
10	Nallepilly	0.38	4.05
11	Nelliyampathy	28.64	27.65
12	Nenmara	1.61	2.44
13	Pattambi Municipality	1.72	10.86
14	Pattanchery	0.10	3.2
15	Peringottukurissi	1.43	5.96
16	Perumatty	1.56	10.94
17	Puducode	2.24	3.98
18	Tachampara	0.51	6.73
19	Thachanattukara	0.31	8.3
20	Thenkara	1.17	15.14
21	Thirumittacode	0.02	6.09
22	Vadakarapathy	1.64	10.87
23	Vadavannur	1.46	3

1 in 50 YEAR (CC – RCP 8.5)

Sl No	LSG	Flood Inundation Area (Km2)	Max. Flood Level (m)
1	Ayiloor	1.23	3.53
2	Chittur Tattamangalam Municipality	1.01	5.77
3	Elavancherry	2.62	3.03
4	Eruthenpathy	1.65	7.54
5	Kanhirapuzha	0.05	10.71
6	Koduvayur	0.36	1.27
7	Kollengode	3.21	4.93
8	Kozhinjampara	2.20	11.34
9	Muthalamada	4.75	4.7
10	Nallepilly	0.38	4.05
11	Nelliyampathy	28.88	27.65
12	Nenmara	1.66	2.44
13	Pattambi Municipality	1.87	11.36
14	Pattanchery	0.10	3.37
15	Peringottukurissi	1.46	6.31
16	Perumatty	1.64	11.34
17	Puducode	2.35	4.08
18	Tachampara	0.52	6.81
19	Thachanattukara	0.34	8.9
20	Thenkara	1.23	15.3
21	Thirumittacode	0.03	6.54
22	Vadakarapathy	1.68	10.88
23	Vadavannur	1.58	3.09

1 in 100 YEAR (CC – RCP 8.5)

Sl No	LSG	Flood Inundation Area (Km2)	Max. Flood Level (m)
1	Ayiloor	1.28	3.54
2	Chittur Tattamangalam Municipality	1.09	5.79
3	Elavancherry	2.75	3.21
4	Eruthenpathy	1.69	7.54
5	Kanhirapuzha	0.05	10.8
6	Koduvayur	0.37	1.33
7	Kollengode	3.35	5.03
8	Kozhinjampara	2.29	11.4
9	Muthalamada	4.84	5.03
10	Nallepilly	0.38	4.05
11	Nelliyampathy	29.12	27.67
12	Nenmara	1.70	2.53
13	Pattambi Municipality	2.08	11.57
14	Pattanchery	0.10	3.45
15	Peringottukurissi	1.56	6.73
16	Perumatty	1.76	11.4
17	Puducode	2.44	4.36
18	Tachampara	0.54	6.9
19	Thachanattukara	0.37	9.8
20	Thenkara	1.37	15.44
21	Thirumittacode	0.06	7.01
22	Vadakarapathy	1.69	10.88
23	Vadavannur	1.69	3.18

1 in 200 YEAR (CC – RCP 8.5)

Sl No	LSG	Flood Inundation Area (Km2)	Max. Flood Level (m)
1	Ayiloor	1.31	3.59
2	Chittur Tattamangalam Municipality	1.17	5.8
3	Elavancherry	2.85	3.33
4	Eruthenpathy	1.72	7.55
5	Kanhirapuzha	0.06	10.81
6	Koduvayur	0.37	1.33
7	Kollengode	3.46	5.13
8	Kozhinjampara	2.36	11.41
9	Muthalamada	4.98	5.46
10	Nallepilly	0.38	4.05
11	Nelliyampathy	29.61	27.67
12	Nenmara	1.73	2.6
13	Pattambi Municipality	2.15	11.86
14	Pattanchery	0.10	3.59
15	Peringottukurissi	1.67	6.91
16	Perumatty	1.79	11.41
17	Puducode	2.54	4.54
18	Tachampara	0.55	6.98
19	Thachanattukara	0.39	10.4
20	Thenkara	1.44	15.6
21	Thirumittacode	0.06	7.23
22	Vadakarapathy	1.89	10.89
23	Vadavannur	1.77	3.38

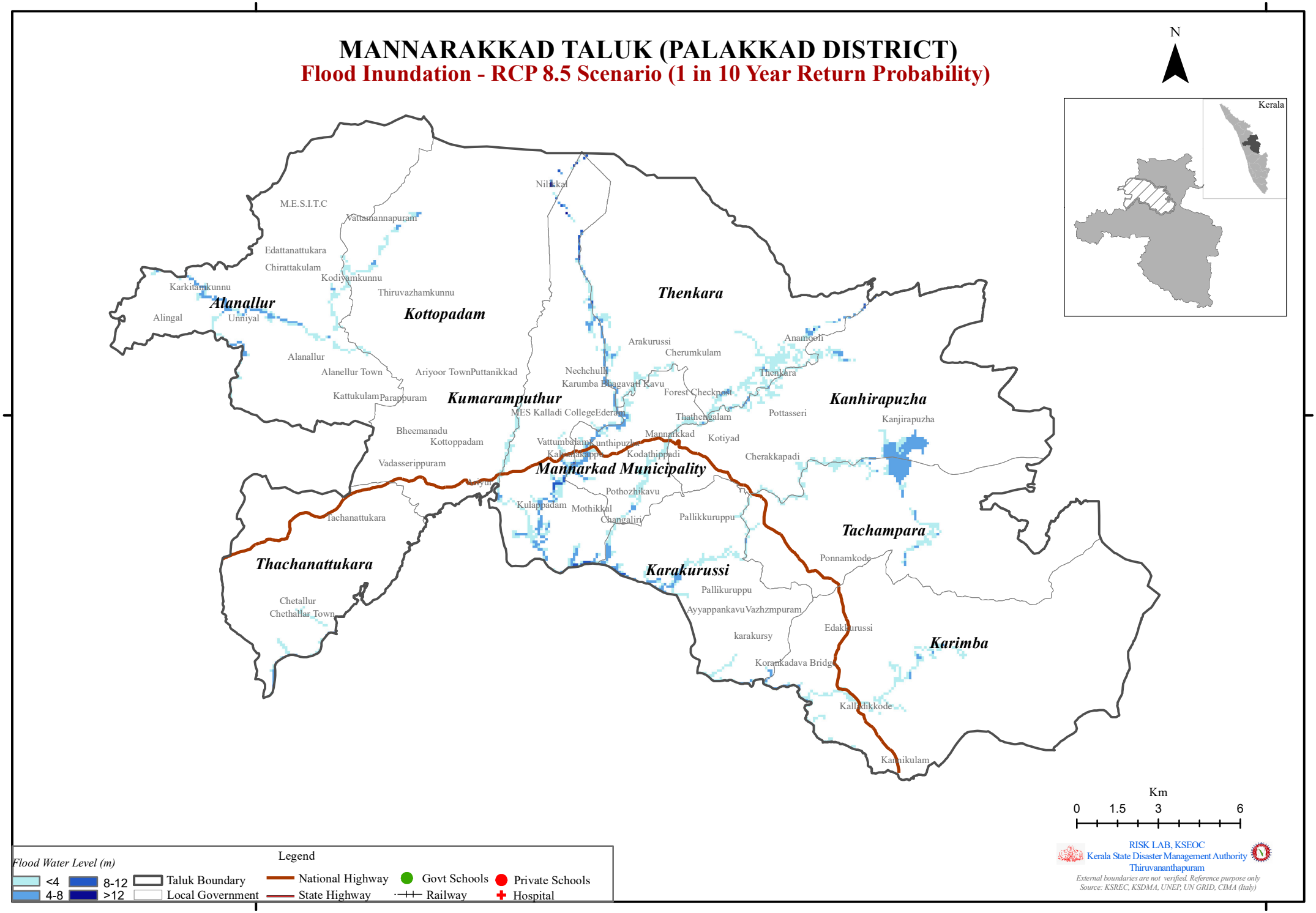
1 in 500 YEAR (CC – RCP 8.5)

Sl No	LSG	Flood Inundation Area (Km2)	Max. Flood Level (m)
1	Ayiloor	1.34	3.64
2	Chittur Tattamangalam Municipality	1.18	5.9
3	Elavancherry	2.98	3.5
4	Eruthenpathy	1.75	7.57
5	Kanhirapuzha	0.06	10.91
6	Koduvayur	0.39	1.33
7	Kollengode	3.75	5.24
8	Kozhinjampara	2.37	11.41
9	Muthalamada	5.13	5.8
10	Nallepilly	0.38	4.05
11	Nelliyampathy	29.92	27.68
12	Nenmara	1.78	2.79
13	Pattambi Municipality	2.22	12.07
14	Pattanchery	0.11	3.75
15	Peringottukurissi	1.70	6.94
16	Perumatty	1.84	11.41
17	Puducode	2.73	4.82
18	Tachampara	0.56	7.06
19	Thachanattukara	0.46	10.9
20	Thenkara	1.55	15.8
21	Thirumittacode	0.06	7.5
22	Vadakarapathy	1.89	10.89
23	Vadavannur	1.98	3.76

PALAKKAD DISTRICT						
CHITTUR TALUK						
Name of exposed Hospital/School (LSG)	**Return Probability (Climate Change Scenario - RCP 8.5)**					
	1 in 10 Year	1 in 25 Year	1 in 50 Year	1 in 100 Year	1 in 200 Year	1 in 500 Year
Ayiloor						
School						
G. U. P. S. Ayalur	✓	✓	✓	✓	✓	✓
Vadavannur						
School						
A. U. P. S. Alampallam	✓	✓	✓	✓	✓	✓

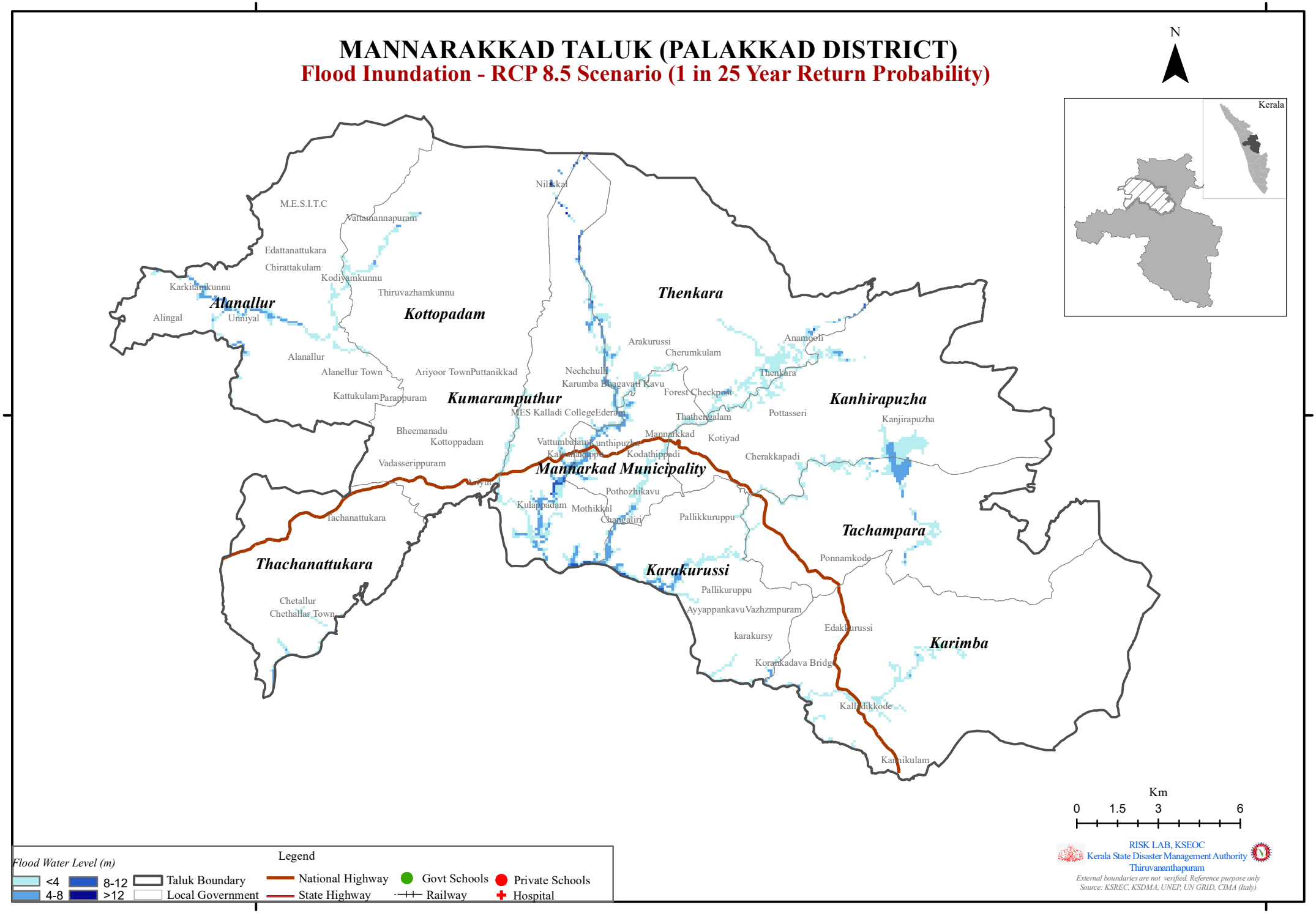
MANNARAKKAD TALUK (PALAKKAD DISTRICT)

Flood Inundation - RCP 8.5 Scenario (1 in 10 Year Return Probability)



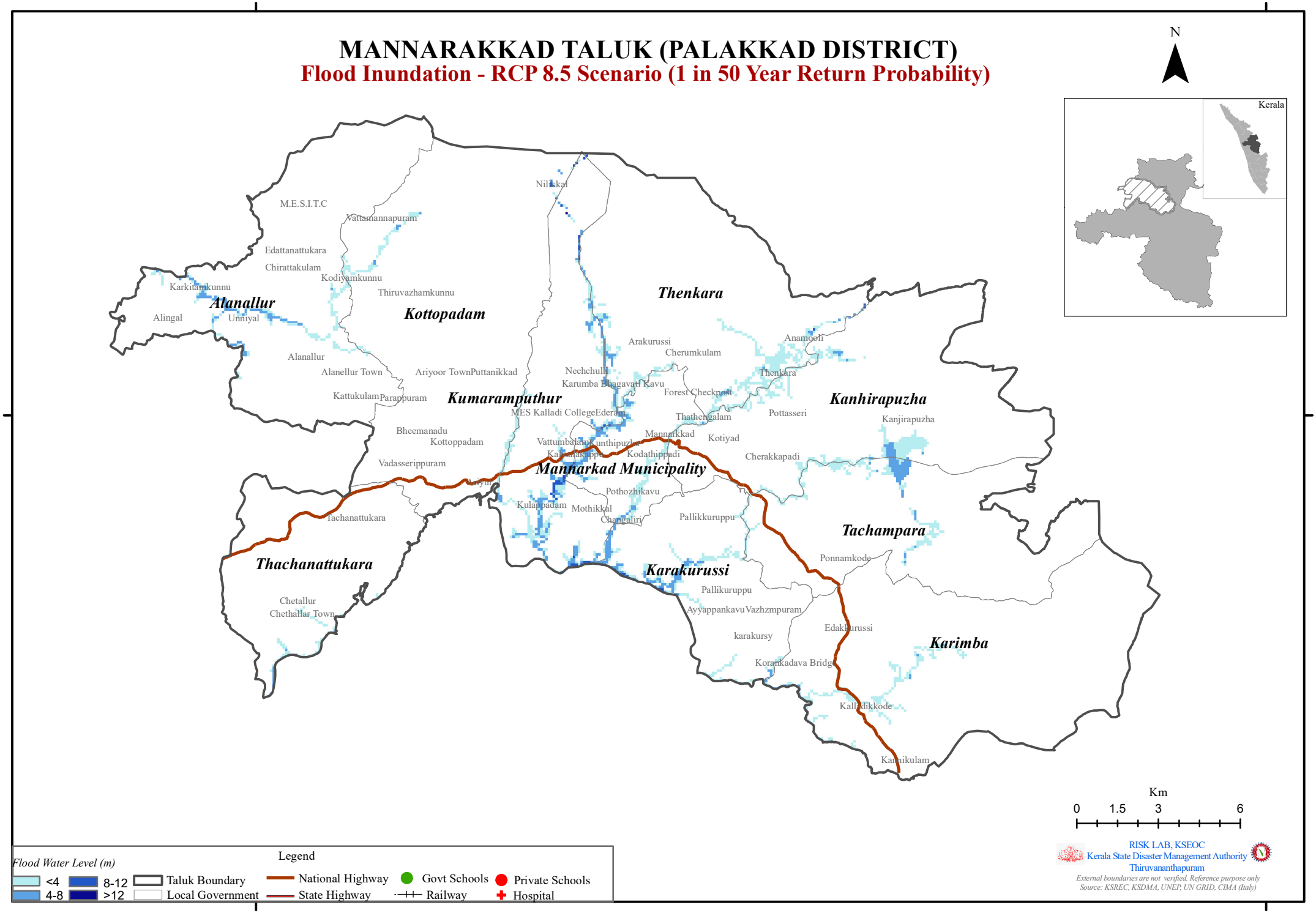
MANNARAKKAD TALUK (PALAKKAD DISTRICT)

Flood Inundation - RCP 8.5 Scenario (1 in 25 Year Return Probability)



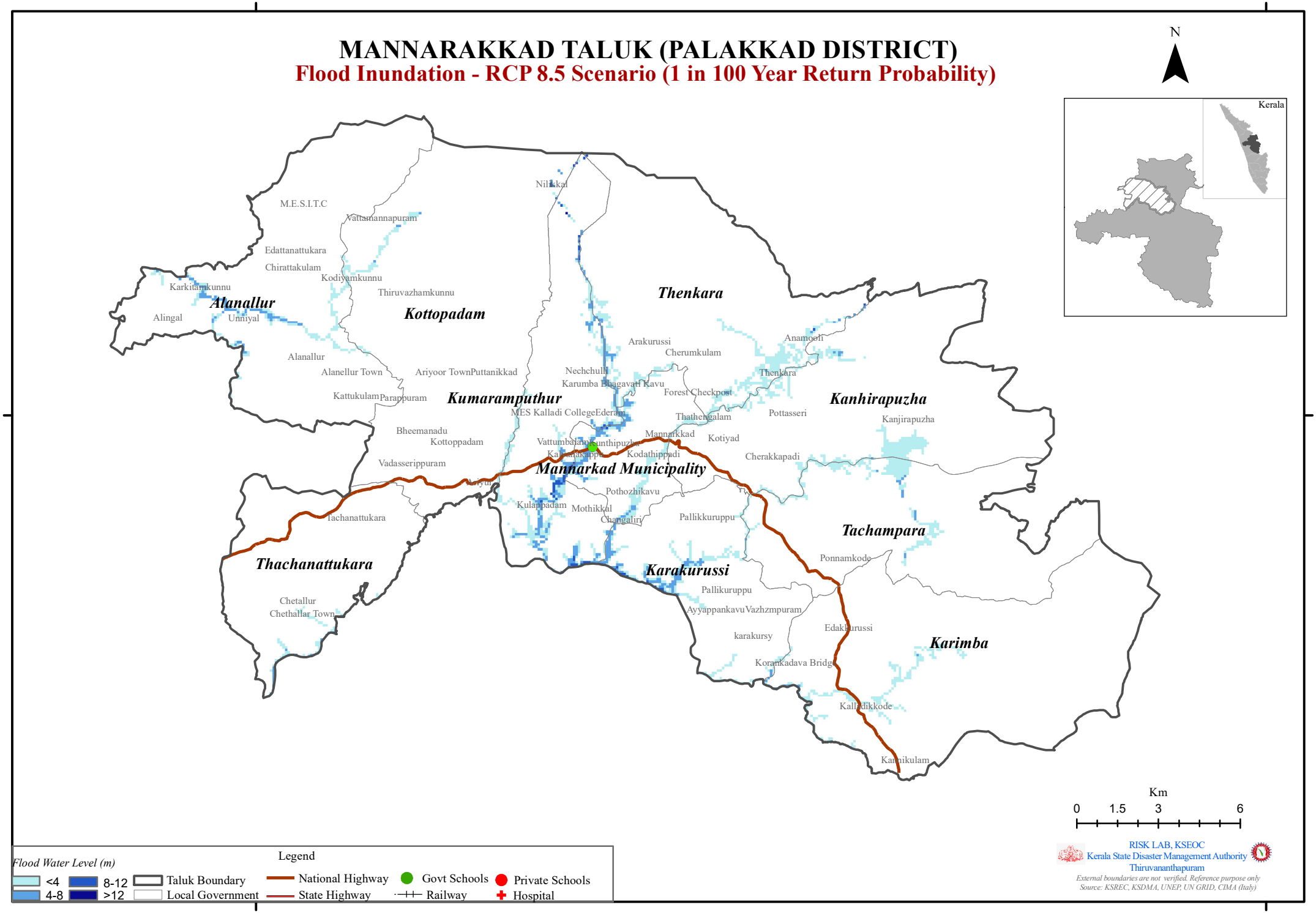
MANNARAKKAD TALUK (PALAKKAD DISTRICT)

Flood Inundation - RCP 8.5 Scenario (1 in 50 Year Return Probability)



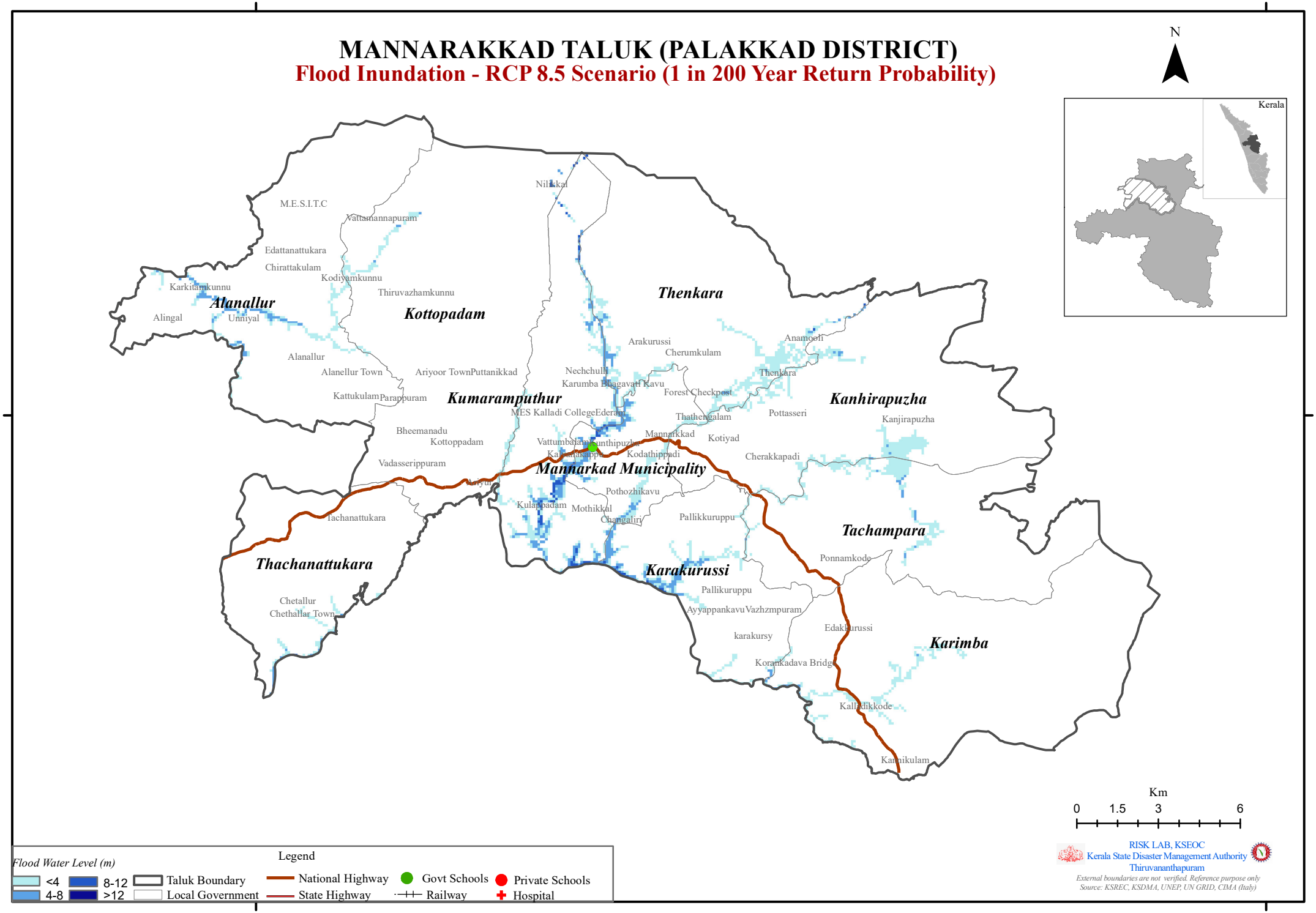
MANNARAKKAD TALUK (PALAKKAD DISTRICT)

Flood Inundation - RCP 8.5 Scenario (1 in 100 Year Return Probability)



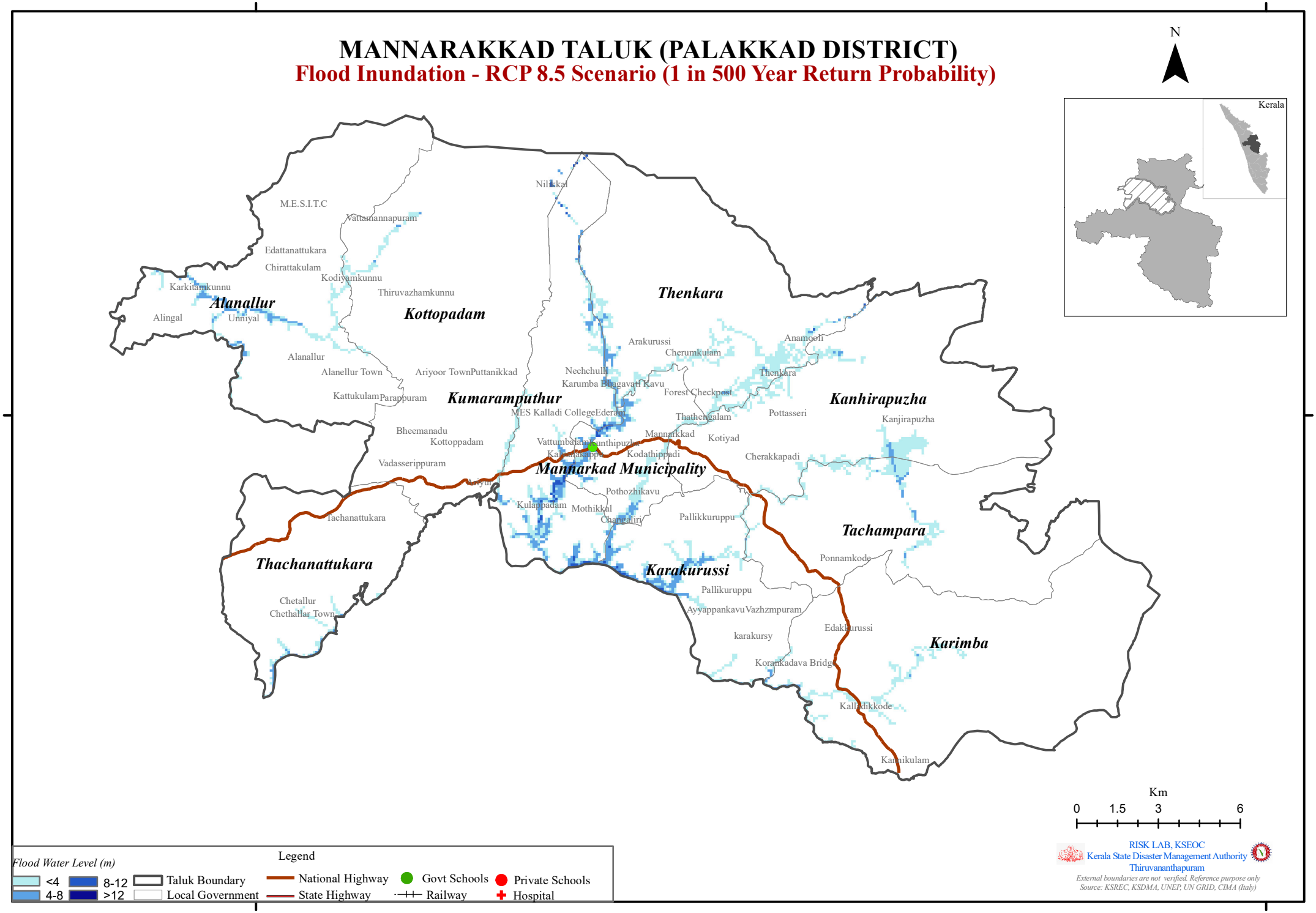
MANNARAKKAD TALUK (PALAKKAD DISTRICT)

Flood Inundation - RCP 8.5 Scenario (1 in 200 Year Return Probability)



MANNARAKKAD TALUK (PALAKKAD DISTRICT)

Flood Inundation - RCP 8.5 Scenario (1 in 500 Year Return Probability)



PALAKKAD DISTRICT

MANNARKKAD TALUK

1 in 10 YEAR (CC – RCP 8.5)

Sl No	LSG	Flood Inundation Area (Km2)	Max. Flood Level (m)
1	Alanallur	1.75	5.04
2	Kanhirapuzha	1.94	4.31
3	Karakurussi	1.63	8.05
4	Karimba	1.55	3.53
5	Kottopadam	0.91	16.23
6	Kumaramputhur	2.16	8.06
7	Mannarkad Municipality	1.85	7.05
8	Pattithara	2.57	7.46
9	Polpully	0.72	2.83
10	Pudusseri	0.60	2.69
11	Tachampara	1.39	6.11
12	Tarur	0.70	3.28
13	Thachanattukara	0.12	8.2
14	Thenkara	1.84	13.41

1 in 25 YEAR (CC – RCP 8.5)

Sl No	LSG	Flood Inundation Area (Km2)	Max. Flood Level (m)
1	Alanallur	1.88	5.46
2	Kanhirapuzha	2.03	4.5
3	Karakurussi	2.02	9.65
4	Karimba	1.68	3.74
5	Kottopadam	0.94	16.33
6	Kumaramputhur	2.58	9.64
7	Mannarkad Municipality	2.14	8.34
8	Pattithara	3.18	8.16
9	Polpully	0.74	3.13
10	Pudusseri	0.68	2.85
11	Tachampara	1.48	6.28
12	Tarur	0.74	3.55
13	Thachanattukara	0.13	9.6
14	Thenkara	2.06	13.57

1 in 50 YEAR (CC – RCP 8.5)

Sl No	LSG	Flood Inundation Area (Km2)	Max. Flood Level (m)
1	Alanallur	2.00	5.97
2	Kanhirapuzha	2.15	4.6
3	Karakurussi	2.25	10.46
4	Karimba	1.72	3.93
5	Kottopadam	0.96	16.43
6	Kumaramputhur	2.77	10.47
7	Mannarkad Municipality	2.26	9.13
8	Pattithara	3.46	8.75
9	Polpully	0.77	3.33
10	Pudusseri	0.69	2.95
11	Tachampara	1.50	6.37
12	Tarur	0.77	3.69
13	Thachanattukara	0.17	10.7
14	Thenkara	2.15	13.64

1 in 100 YEAR (CC – RCP 8.5)

Sl No	LSG	Flood Inundation Area (Km2)	Max. Flood Level (m)
1	Alanallur	2.10	6.32
2	Kanhirapuzha	2.20	4.78
3	Karakurussi	2.60	11.36
4	Karimba	1.82	4.13
5	Kottopadam	0.97	16.57
6	Kumaramputhur	3.04	11.37
7	Mannarkad Municipality	2.47	9.73
8	Pattithara	3.80	9.15
9	Polpully	0.77	3.73
10	Pudusseri	0.72	3.01
11	Tachampara	1.51	6.46
12	Tarur	0.78	3.82
13	Thachanattukara	0.22	11.4
14	Thenkara	2.23	13.74

1 in 200 YEAR (CC – RCP 8.5)

Sl No	LSG	Flood Inundation Area (Km2)	Max. Flood Level (m)
1	Alanallur	2.15	6.66
2	Kanhirapuzha	2.23	4.88
3	Karakurussi	2.75	12
4	Karimba	1.85	4.35
5	Kottopadam	0.97	16.67
6	Kumaramputhur	3.28	12.06
7	Mannarkad Municipality	2.59	10.33
8	Pattithara	4.09	9.62
9	Polpully	0.77	3.75
10	Pudusseri	0.73	3.11
11	Tachampara	1.54	6.55
12	Tarur	0.79	3.99
13	Thachanattukara	0.29	12.3
14	Thenkara	2.36	13.77

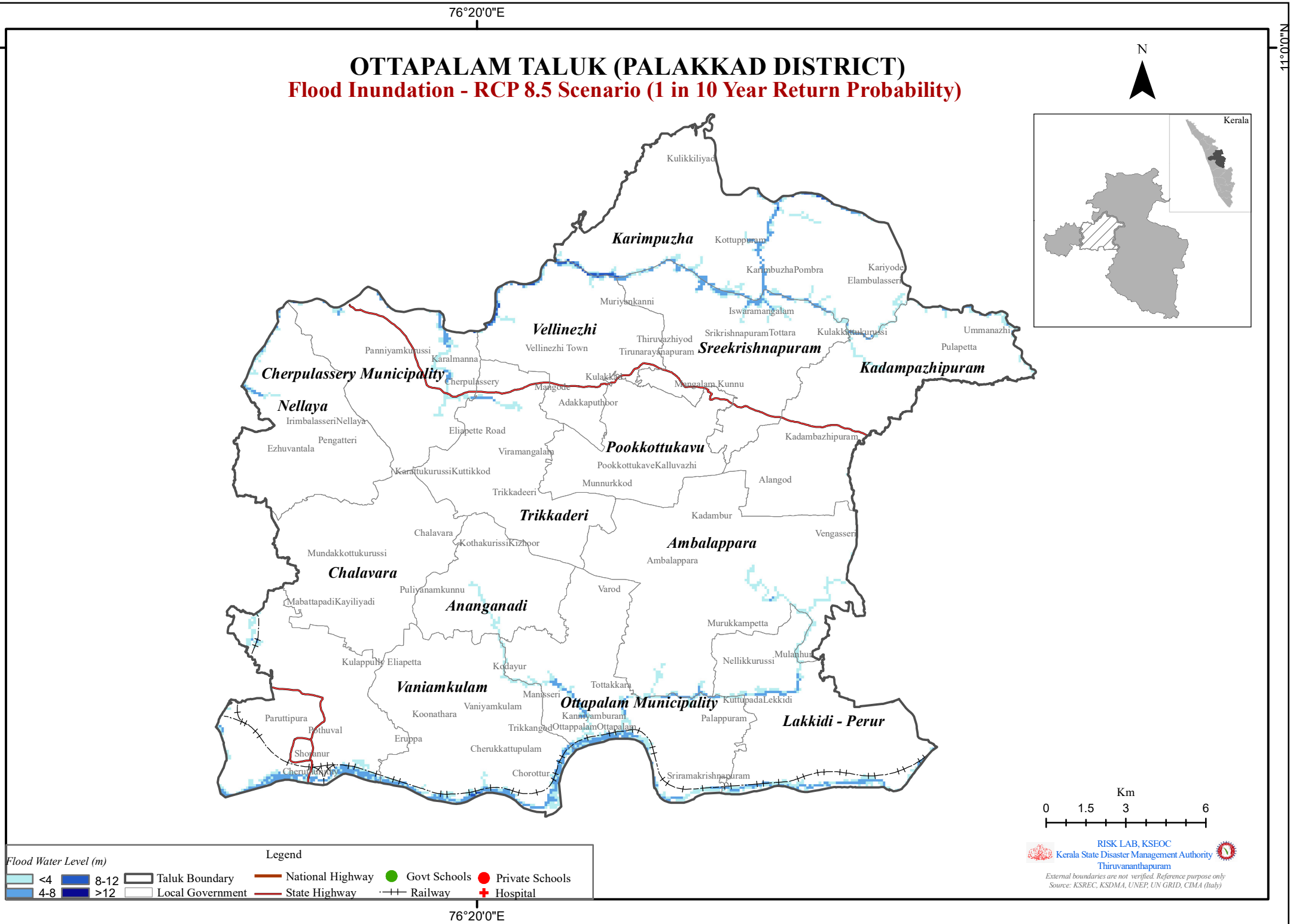
1 in 500 YEAR (CC – RCP 8.5)

Sl No	LSG	Flood Inundation Area (Km2)	Max. Flood Level (m)
1	Alanallur	2.19	6.99
2	Kanhirapuzha	2.27	4.98
3	Karakurussi	2.99	12.83
4	Karimba	1.92	4.69
5	Kottopadam	0.99	16.77
6	Kumaramputhur	3.53	12.97
7	Mannarkad Municipality	2.74	11.23
8	Pattithara	5.01	10.15
9	Polpully	0.80	3.82
10	Pudusseri	0.81	3.19
11	Tachampara	1.57	6.65
12	Tarur	0.84	4.19
13	Thachanattukara	0.30	13.6
14	Thenkara	3.09	13.84

PALAKKAD DISTRICT						
MANNARKAD TALUK						
Name of exposed Hospital/School (LSG)	**Return Probability (Climate Change Scenario - RCP 8.5)**					
	1 in 10 Year	1 in 25 Year	1 in 50 Year	1 in 100 Year	1 in 200 Year	1 in 500 Year
Agali						
School						
G. T. W. L. P. S. Chidakki						✓
St.Peters C. H .S Kookkampalayam	✓	✓	✓	✓	✓	✓
Mannarkad Municipality						
School						
G.M.L.P.S Perimpatari				✓	✓	✓
Pudur						
School						
G. L. P. S. Mully	✓	✓	✓	✓	✓	✓

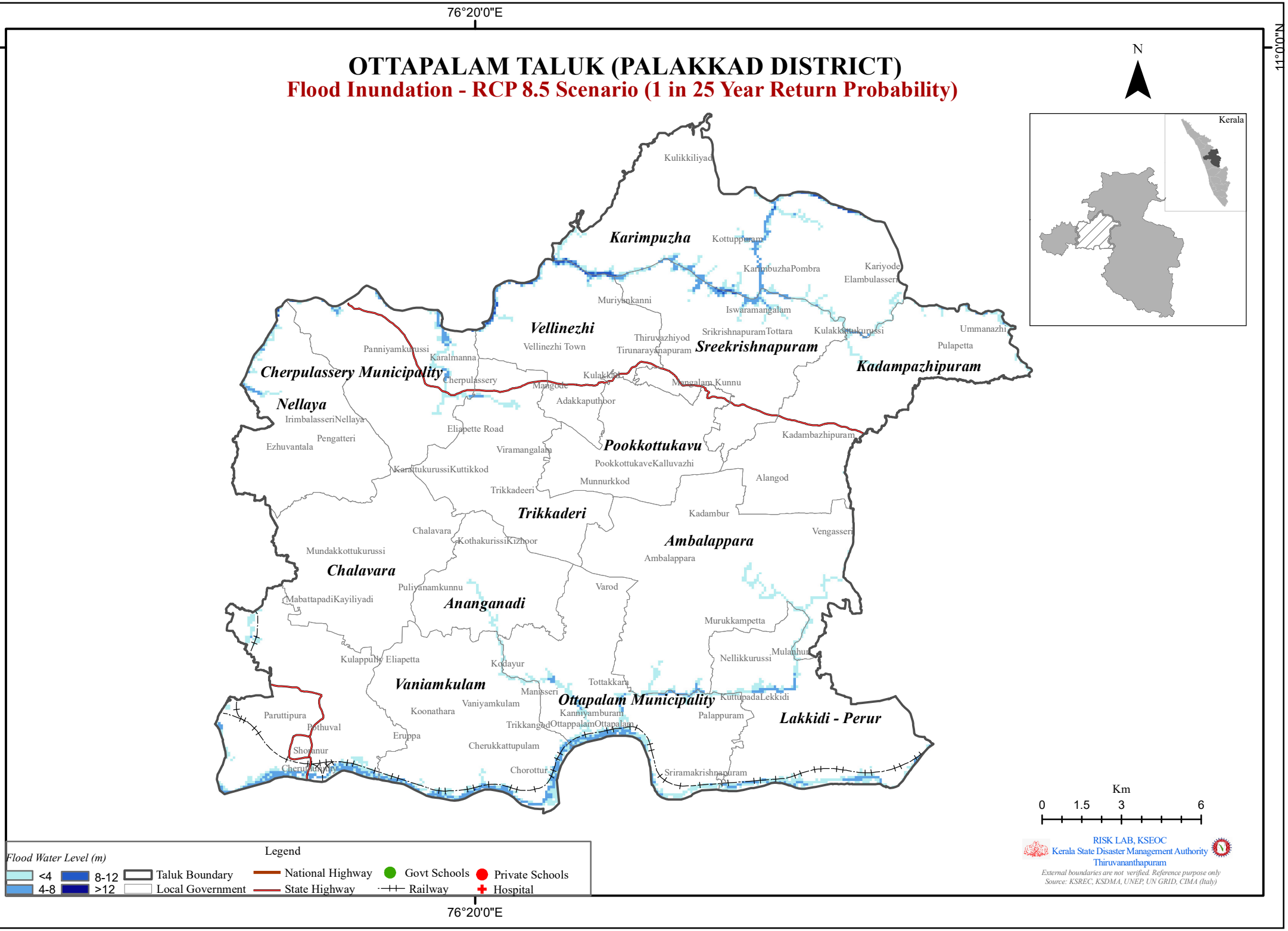
OTTAPALAM TALUK (PALAKKAD DISTRICT)

Flood Inundation - RCP 8.5 Scenario (1 in 10 Year Return Probability)



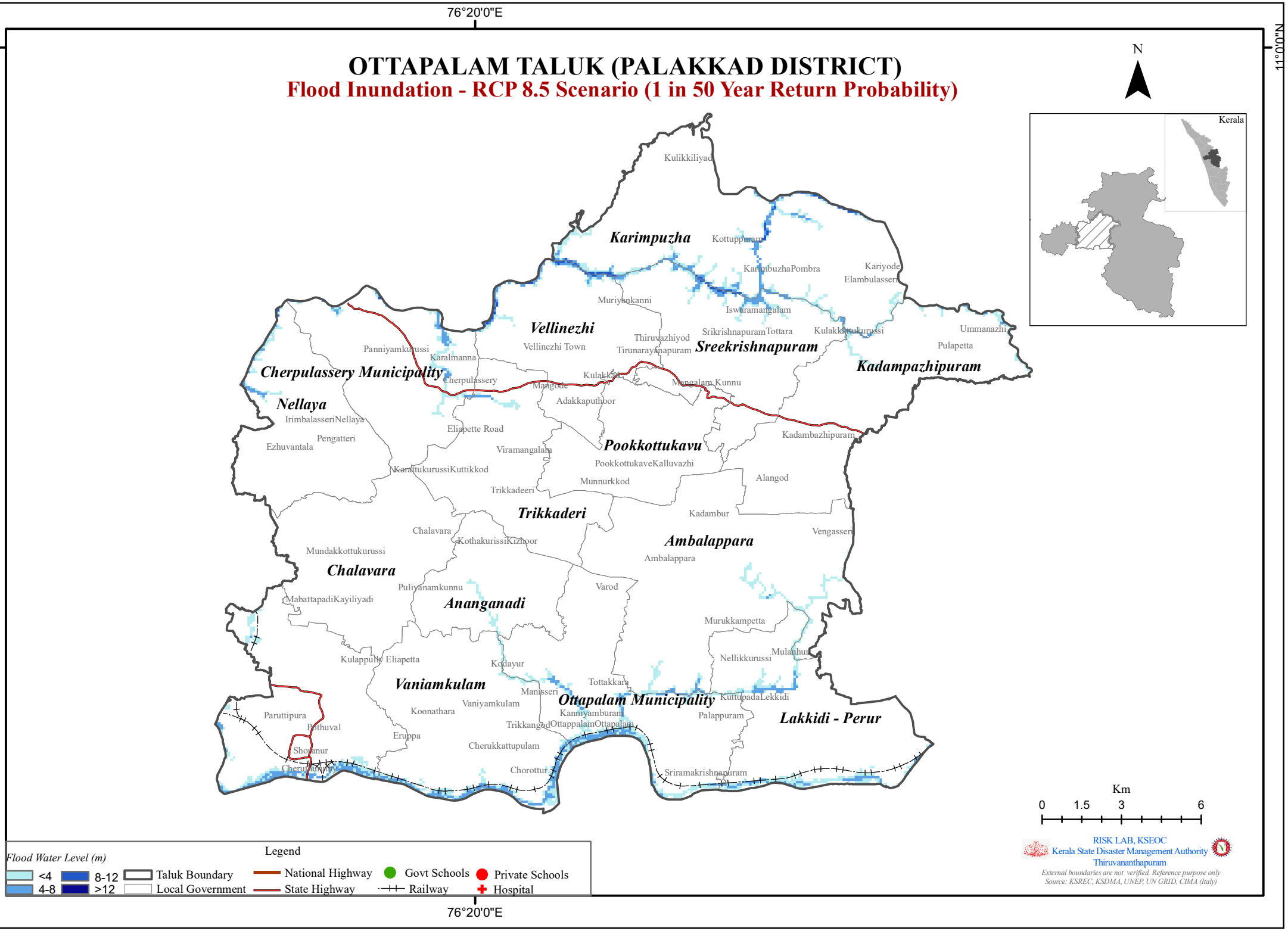
OTTAPALAM TALUK (PALAKKAD DISTRICT)

Flood Inundation - RCP 8.5 Scenario (1 in 25 Year Return Probability)



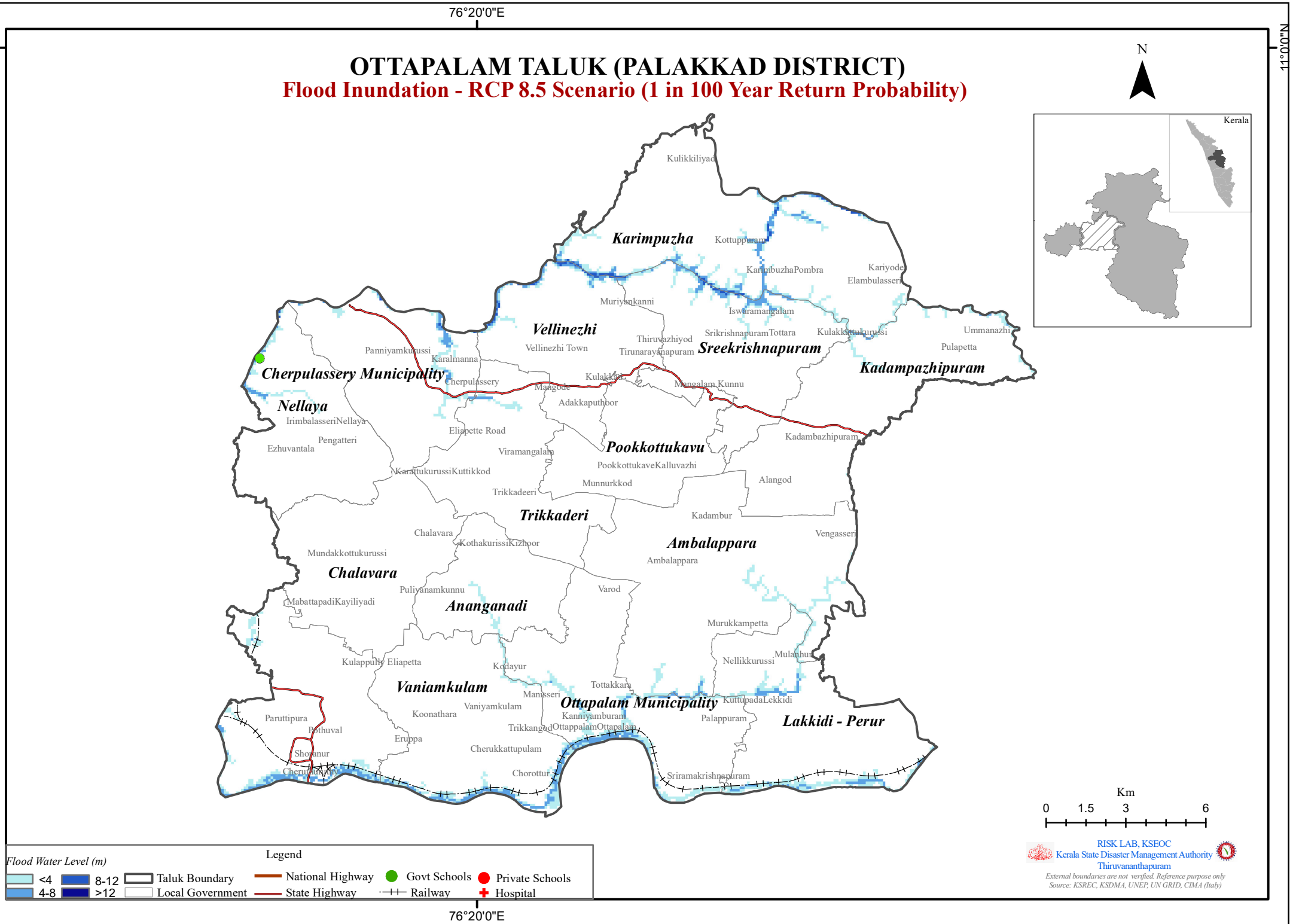
OTTAPALAM TALUK (PALAKKAD DISTRICT)

Flood Inundation - RCP 8.5 Scenario (1 in 50 Year Return Probability)



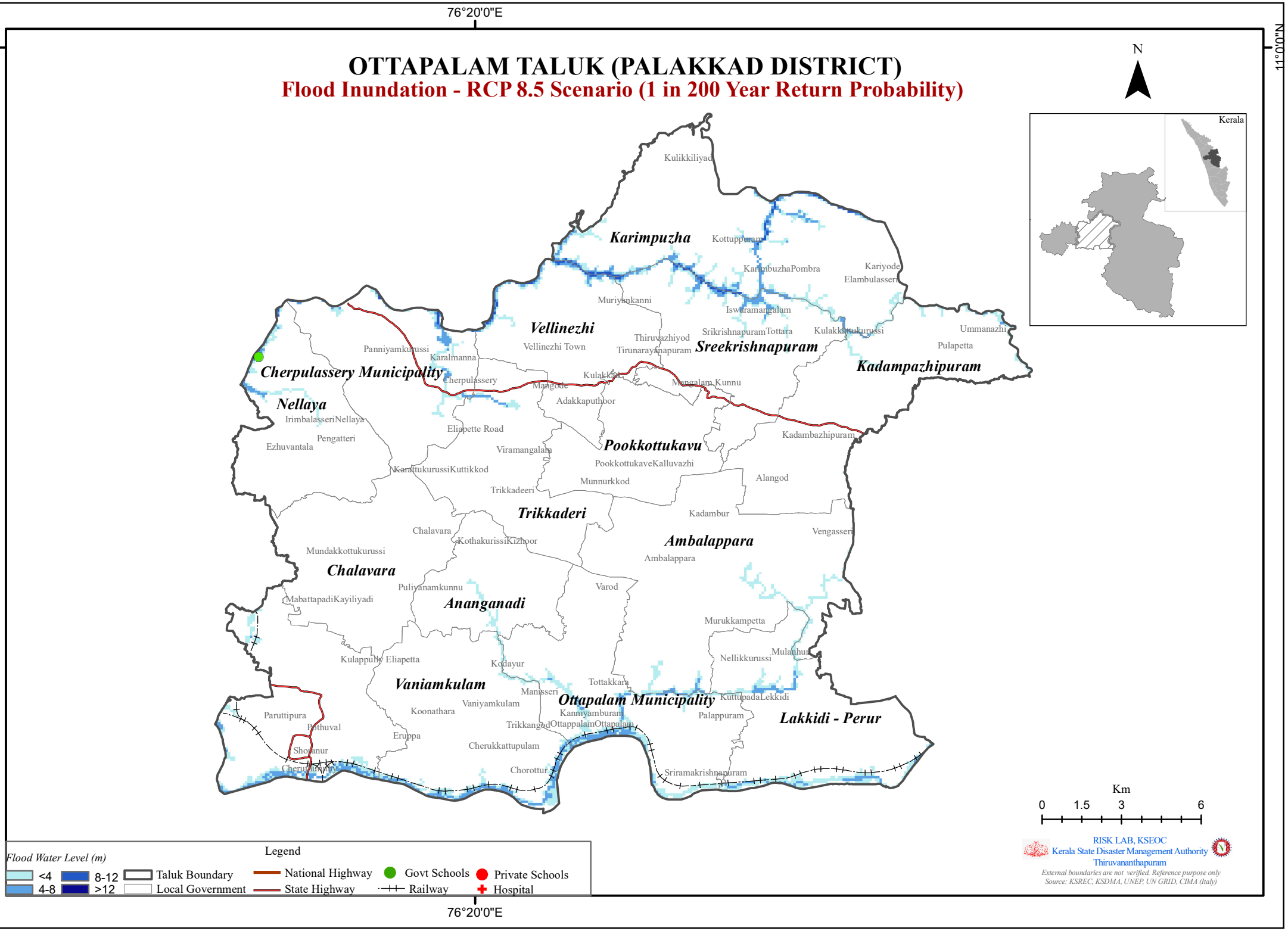
OTTAPALAM TALUK (PALAKKAD DISTRICT)

Flood Inundation - RCP 8.5 Scenario (1 in 100 Year Return Probability)



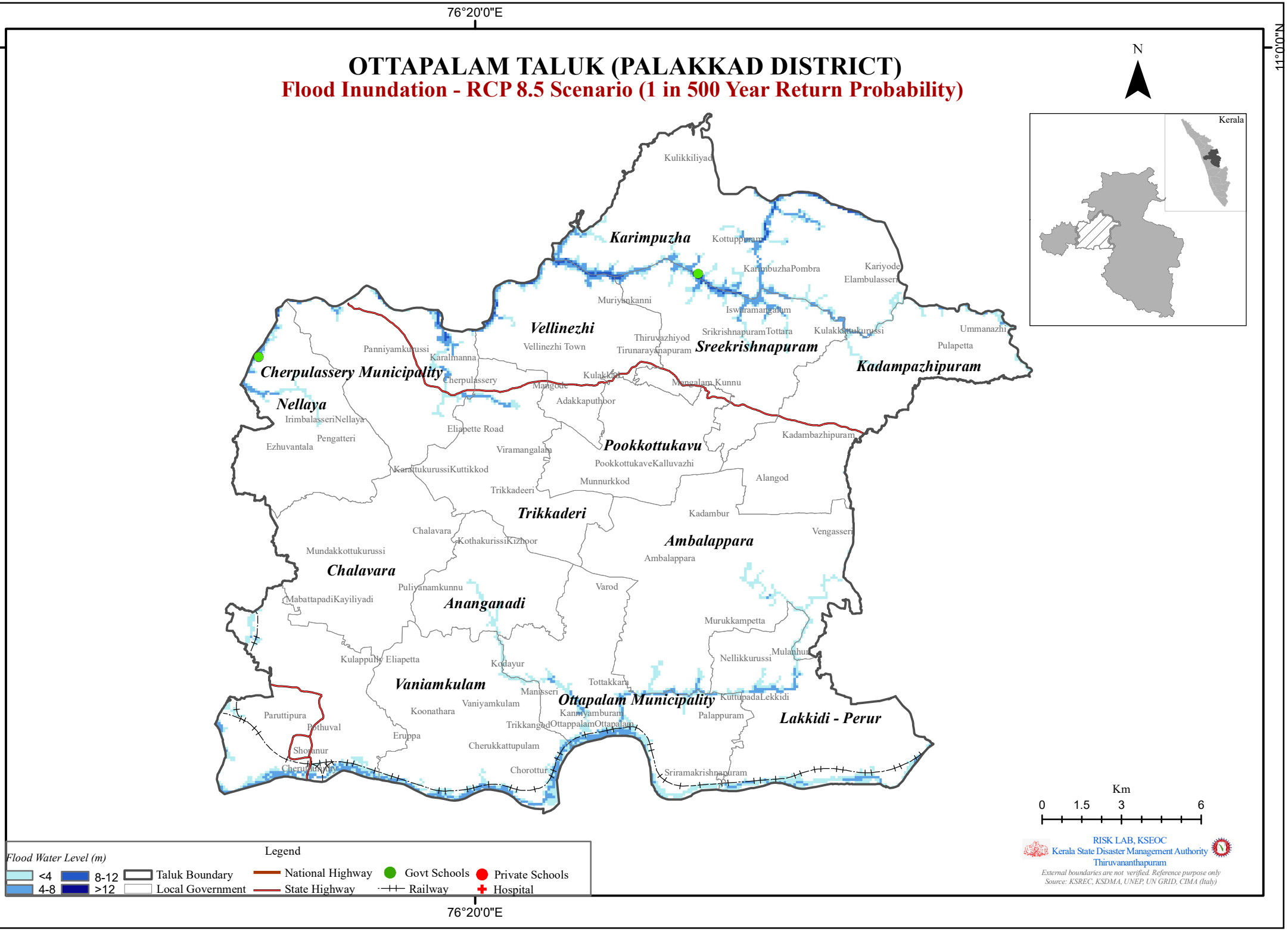
OTTAPALAM TALUK (PALAKKAD DISTRICT)

Flood Inundation - RCP 8.5 Scenario (1 in 200 Year Return Probability)



OTTAPALAM TALUK (PALAKKAD DISTRICT)

Flood Inundation - RCP 8.5 Scenario (1 in 500 Year Return Probability)



PALAKKAD DISTRICT

OTTAPALAM TALUK

1 in 10 YEAR (CC – RCP 8.5)

Sl No	LSG	Flood Inundation Area (Km2)	Max. Flood Level (m)
1	Ambalappara	1.40	3.38
2	Ananganadi	0.28	1.64
3	Cherpulassery Municipality	1.12	8.59
4	Kadampazhipuram	0.91	3.36
5	Karimpuzha	2.76	8.2
6	Lakkidi - Perur	2.09	5.49
7	Nellaya	0.55	7.13
8	Ottapalam Municipality	2.68	5.8
9	Shoranur Municipality	2.24	6.2
10	Thiruvegappura	2.15	8.59
11	Trikkaderi	0.25	2.5
12	Vaniamkulam	2.37	6.86
13	Vellinezhi	0.88	8.2

1 in 25 YEAR (CC – RCP 8.5)

Sl No	LSG	Flood Inundation Area (Km2)	Max. Flood Level (m)
1	Ambalappara	1.53	3.98
2	Ananganadi	0.28	1.77
3	Cherpulassery Municipality	1.24	9.78
4	Kadampazhipuram	0.96	3.96
5	Karimpuzha	3.44	9.65
6	Lakkidi - Perur	2.31	6.19
7	Nellaya	0.69	8.17
8	Ottapalam Municipality	2.83	6.1
9	Shoranur Municipality	2.35	6.74
10	Thiruvegappura	2.38	9.79
11	Trikkaderi	0.25	2.99
12	Vaniamkulam	2.51	7.26
13	Vellinezhi	1.01	9.6

1 in 50 YEAR (CC – RCP 8.5)

Sl No	LSG	Flood Inundation Area (Km2)	Max. Flood Level (m)
1	Ambalappara	1.60	4.38
2	Ananganadi	0.30	1.97
3	Cherpulassery Municipality	1.27	10.47
4	Kadampazhipuram	0.99	4.45
5	Karimpuzha	3.92	10.7
6	Lakkidi - Perur	2.53	6.39
7	Nellaya	0.74	8.96
8	Ottapalam Municipality	2.97	6.5
9	Shoranur Municipality	2.38	7.2
10	Thiruvegappura	2.48	10.29
11	Trikkaderi	0.25	3.29
12	Vaniamkulam	2.57	7.56
13	Vellinezhi	1.12	10.7

1 in 100 YEAR (CC – RCP 8.5)

Sl No	LSG	Flood Inundation Area (Km2)	Max. Flood Level (m)
1	Ambalappara	1.65	4.78
2	Ananganadi	0.31	2.17
3	Cherpulassery Municipality	1.34	11.27
4	Kadampazhipuram	1.01	4.75
5	Karimpuzha	4.27	11.4
6	Lakkidi - Perur	2.64	6.39
7	Nellaya	0.97	9.6
8	Ottapalam Municipality	3.06	6.89
9	Shoranur Municipality	2.44	7.64
10	Thiruvegappura	2.56	10.99
11	Trikkaderi	0.28	3.69
12	Vaniamkulam	2.61	7.66
13	Vellinezhi	1.23	11.4

1 in 200 YEAR (CC – RCP 8.5)

Sl No	LSG	Flood Inundation Area (Km2)	Max. Flood Level (m)
1	Ambalappara	1.70	5.08
2	Ananganadi	0.34	2.37
3	Cherpulassery Municipality	1.43	11.92
4	Kadampazhipuram	1.01	5.05
5	Karimpuzha	4.67	12.3
6	Lakkidi - Perur	2.69	6.39
7	Nellaya	1.08	10.22
8	Ottapalam Municipality	3.14	7.29
9	Shoranur Municipality	2.53	7.98
10	Thiruvegappura	2.66	11.9
11	Trikkaderi	0.29	4.09
12	Vaniamkulam	2.66	7.86
13	Vellinezhi	1.32	12.3

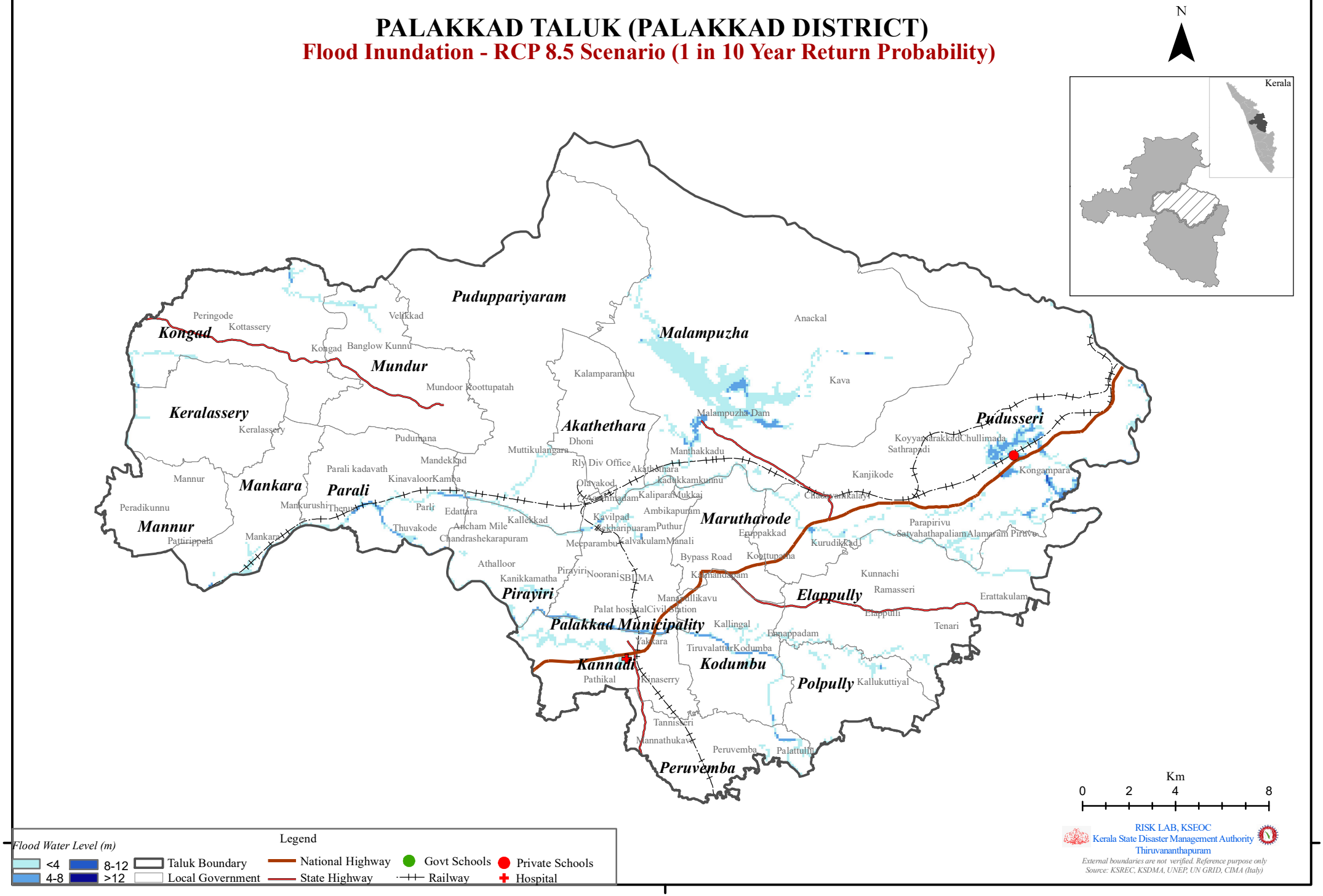
1 in 500 YEAR (CC – RCP 8.5)

Sl No	LSG	Flood Inundation Area (Km2)	Max. Flood Level (m)
1	Ambalappara	1.84	5.48
2	Ananganadi	0.36	2.65
3	Cherpulassery Municipality	1.59	12.75
4	Kadampazhipuram	1.04	5.44
5	Karimpuzha	5.22	13.6
6	Lakkidi - Perur	2.73	6.39
7	Nellaya	1.20	11.03
8	Ottapalam Municipality	3.27	7.69
9	Shoranur Municipality	2.64	8.42
10	Thiruvegappura	2.76	12.4
11	Trikkaderi	0.34	4.69
12	Vaniamkulam	2.76	8.06
13	Vellinezhi	1.39	13.6

PALAKKAD DISTRICT						
OTTAPALAM TALUK						
Name of exposed Hospital/School (LSG)	**Return Probability (Climate Change Scenario - RCP 8.5)**					
	1 in 10 Year	1 in 25 Year	1 in 50 Year	1 in 100 Year	1 in 200 Year	1 in 500 Year
Karimpuzha						
School						
A. L. P. S. Attasery						✓
Nellaya						
School						
A. M. L. P. S. Kulapida				✓	✓	✓

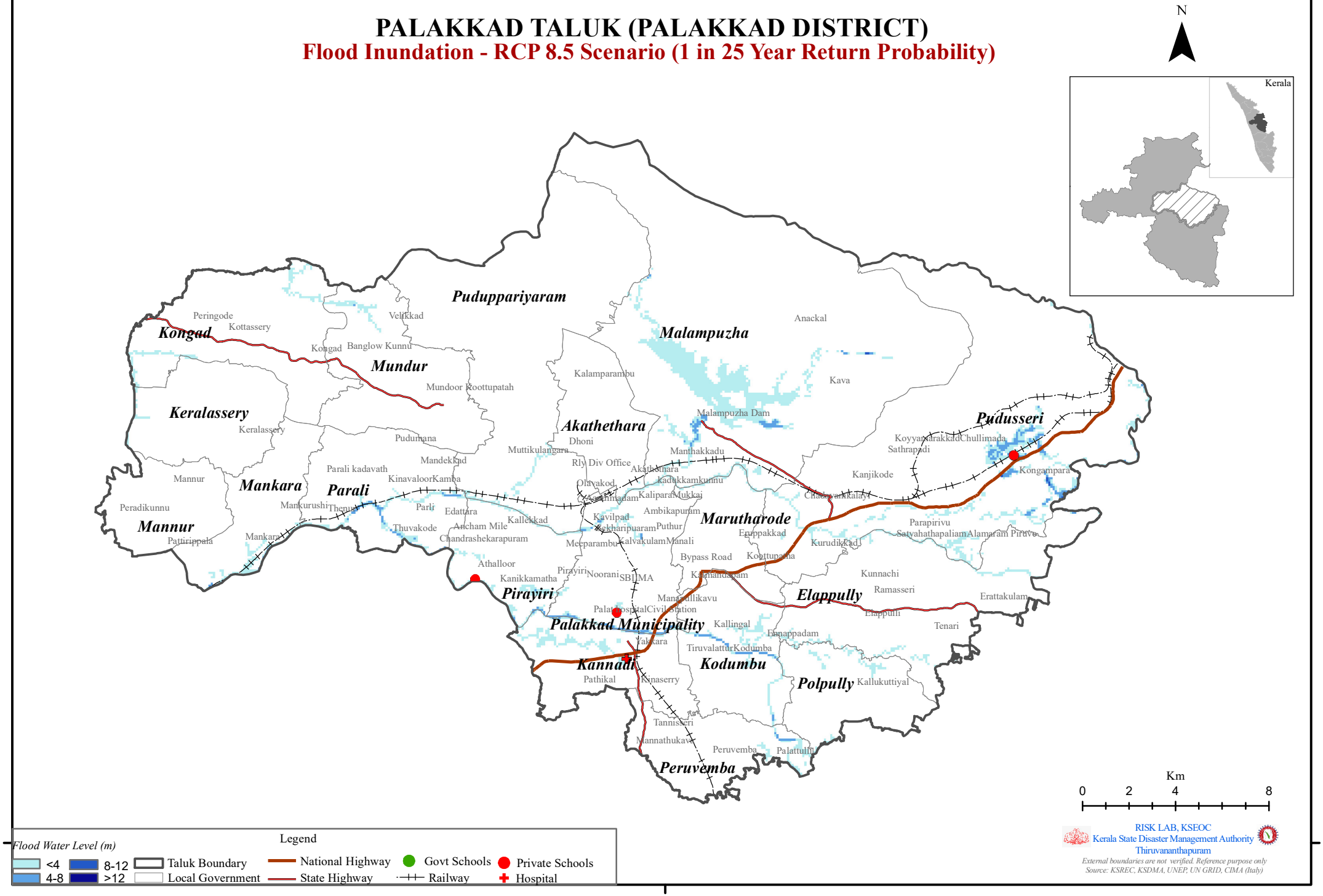
PALAKKAD TALUK (PALAKKAD DISTRICT)

Flood Inundation - RCP 8.5 Scenario (1 in 10 Year Return Probability)



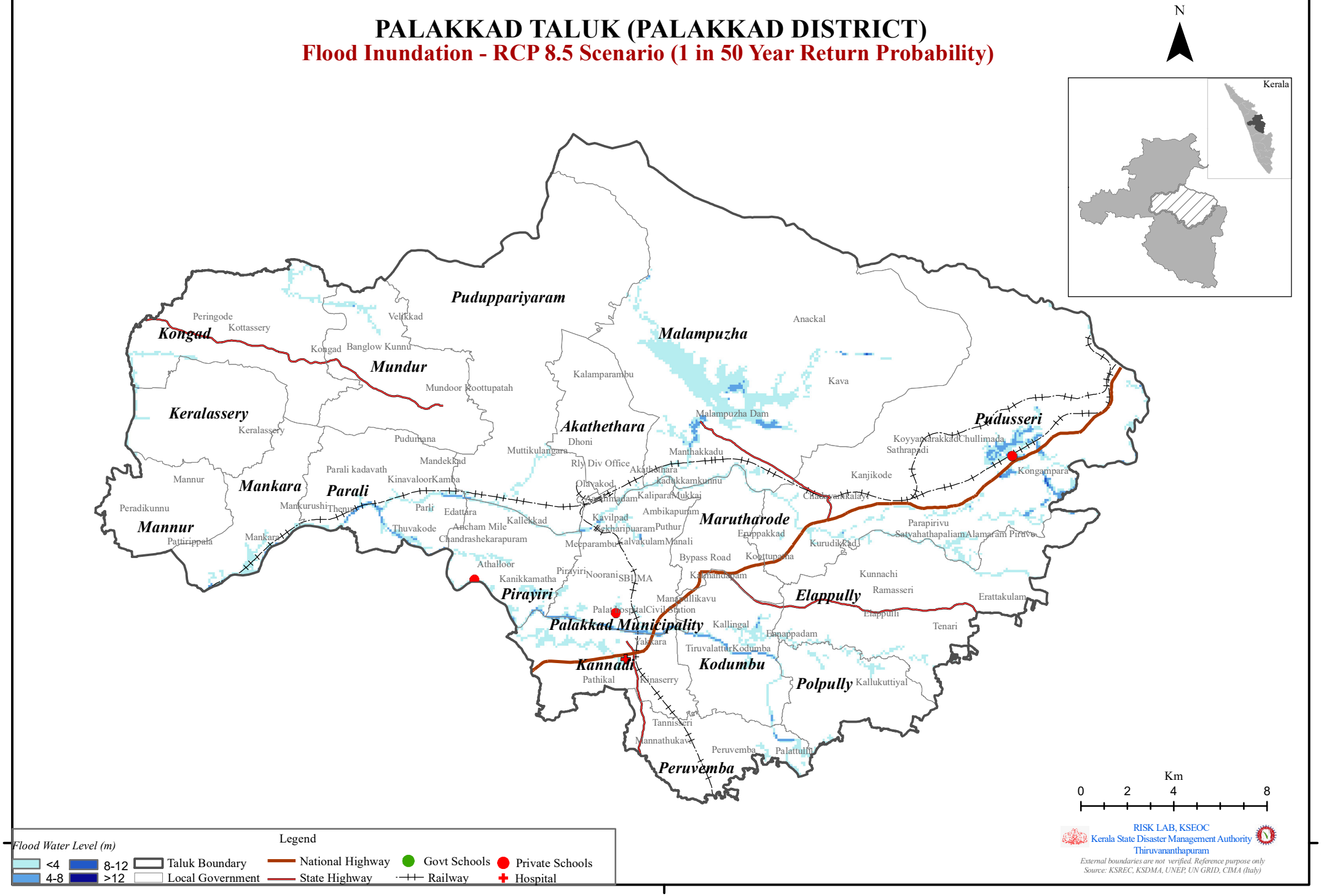
PALAKKAD TALUK (PALAKKAD DISTRICT)

Flood Inundation - RCP 8.5 Scenario (1 in 25 Year Return Probability)



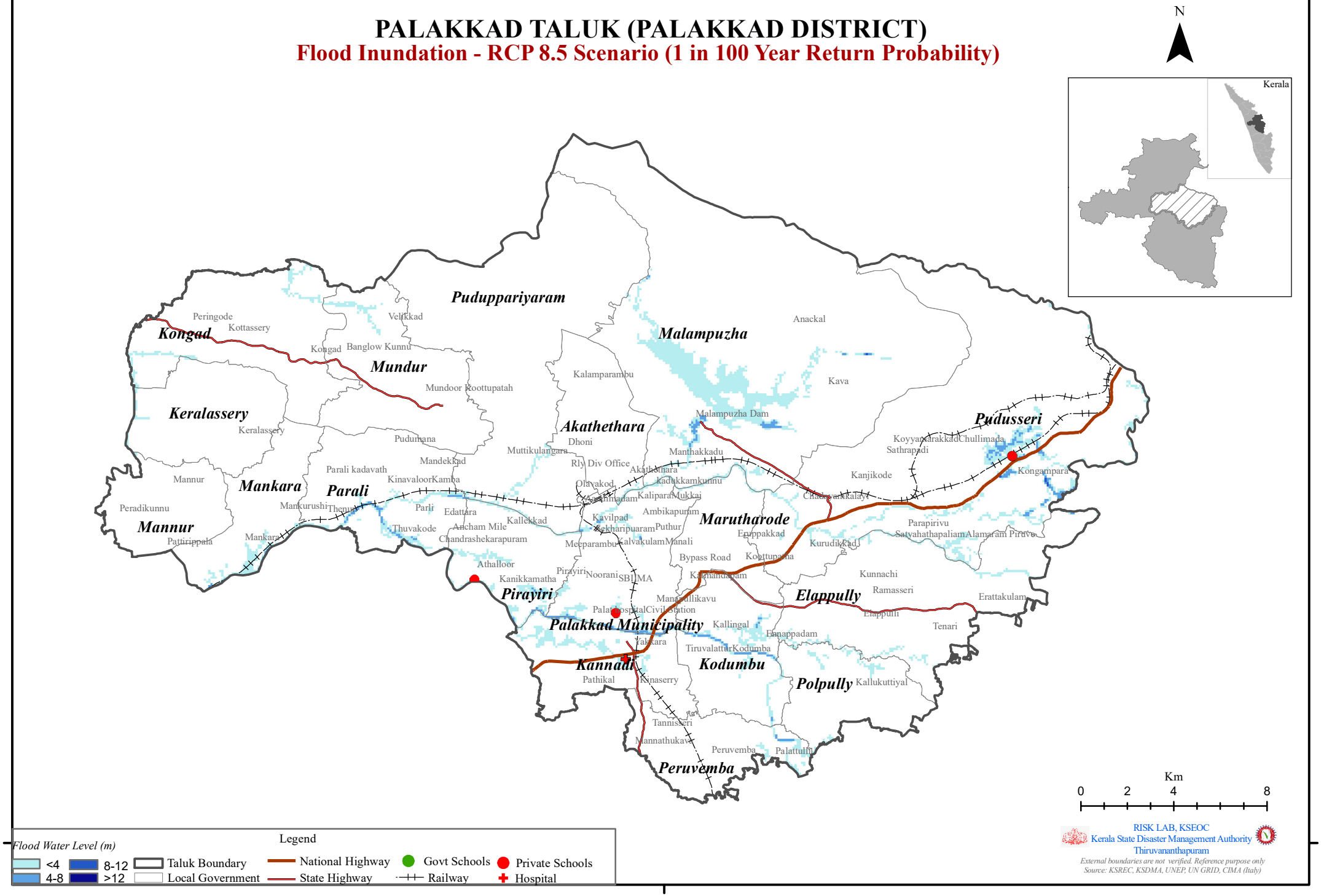
PALAKKAD TALUK (PALAKKAD DISTRICT)

Flood Inundation - RCP 8.5 Scenario (1 in 50 Year Return Probability)



PALAKKAD TALUK (PALAKKAD DISTRICT)

Flood Inundation - RCP 8.5 Scenario (1 in 100 Year Return Probability)



Legend

Flood Water Level (m)

- <4
- 4-8
- 8-12
- >12
- Taluk Boundary
- Local Government
- National Highway
- State Highway
- Govt Schools
- Railway
- Private Schools
- Hospital

Km: 0 2 4 8

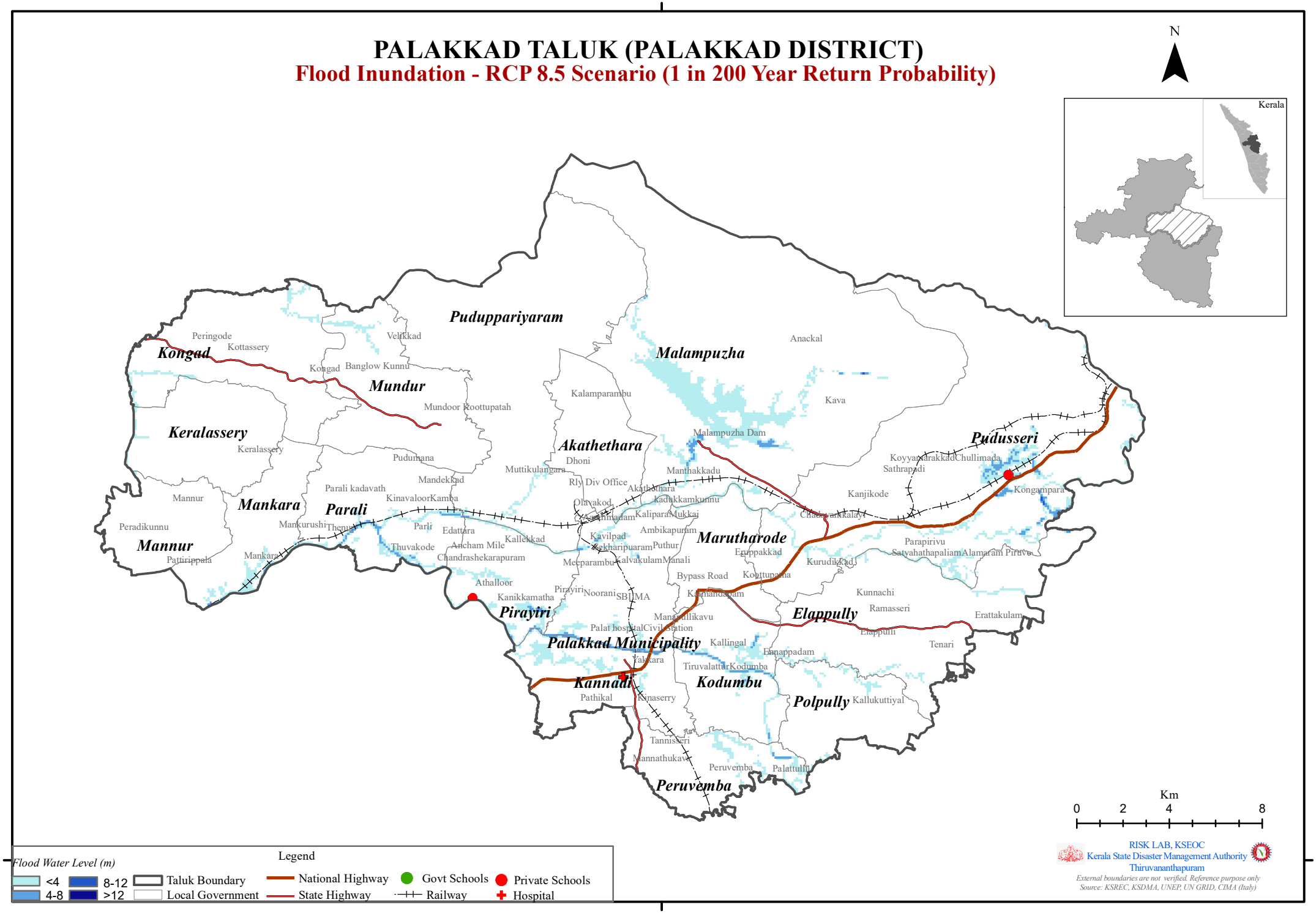
RISK LAB, KSEOC
Kerala State Disaster Management Authority
Thiruvananthapuram

External boundaries are not verified. Reference purpose only
Source: KSREC, KSDMA, UNEP, UN GRID, CIMA (Italy)

10°40'0"N

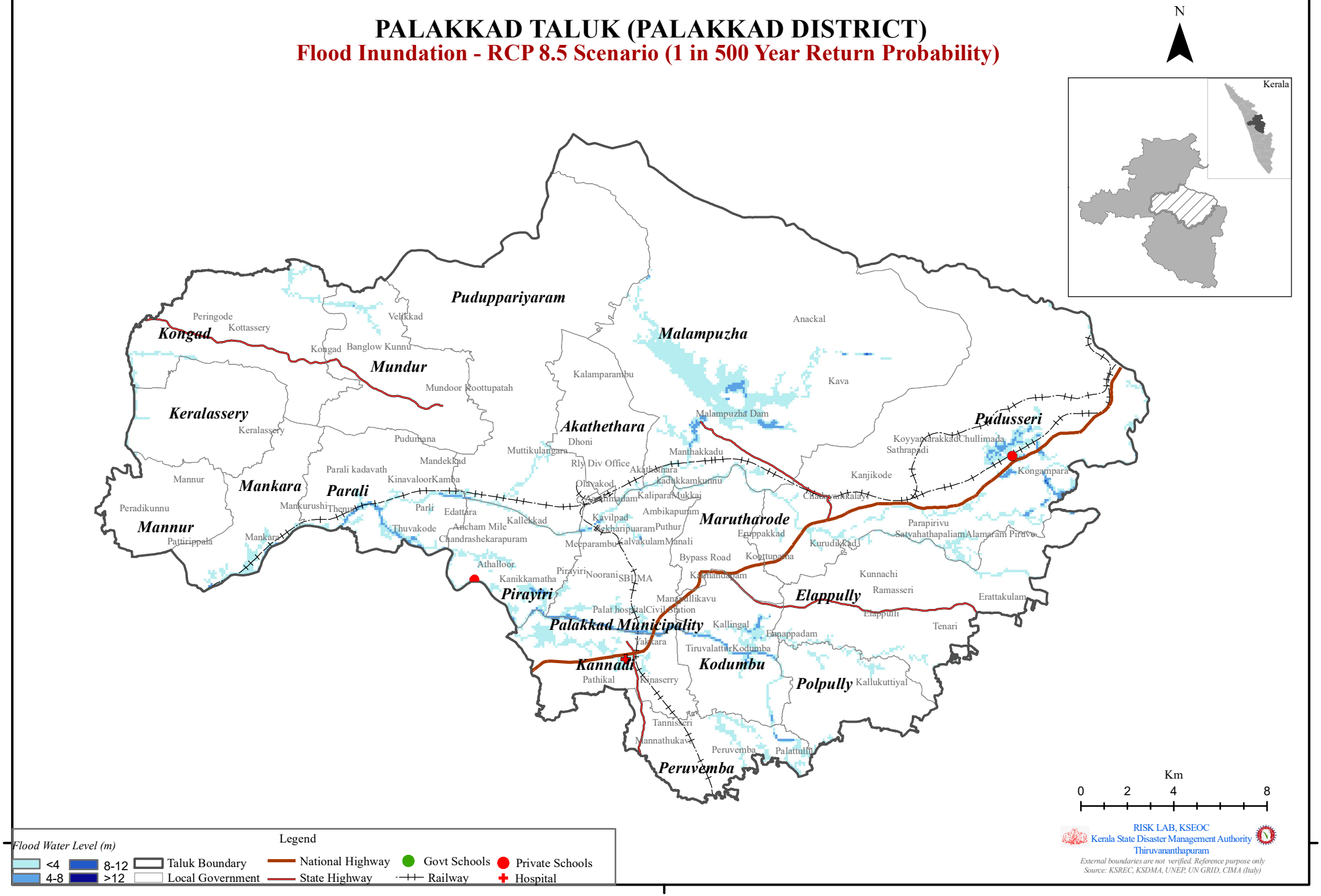
PALAKKAD TALUK (PALAKKAD DISTRICT)

Flood Inundation - RCP 8.5 Scenario (1 in 200 Year Return Probability)



PALAKKAD TALUK (PALAKKAD DISTRICT)

Flood Inundation - RCP 8.5 Scenario (1 in 500 Year Return Probability)



PALAKKAD DISTRICT

PALAKKAD TALUK

1 in 10 YEAR (CC – RCP 8.5)

Sl No	LSG	Flood Inundation Area (Km2)	Max. Flood Level (m)
1	Akathethara	0.11	2.4
2	Elappully	1.25	10.86
3	Kannadi	1.55	4.9
4	Keralassery	0.30	2.65
5	Kodumbu	1.21	4.88
6	Kongad	0.97	2.65
7	Malampuzha	9.94	10.46
8	Mankara	0.62	5.37
9	Marutharode	0.23	2.34
10	Mundur	0.50	2.92
11	Palakkad Municipality	1.26	4.9
12	Pallassana	3.46	3.89
13	Parali	0.69	4.6
14	Perumatty	0.33	6.61
15	Peruvemba	0.60	4.02
16	Pirayiri	1.16	3.61
17	Puduppariyaram	0.71	2.94
18	Pudusseri	5.77	9.3

1 in 25 YEAR (CC – RCP 8.5)

Sl No	LSG	Flood Inundation Area (Km2)	Max. Flood Level (m)
1	Akathethara	0.12	2.71
2	Elappully	1.30	10.87
3	Kannadi	1.75	5.56
4	Keralassery	0.31	2.9
5	Kodumbu	1.50	5.52
6	Kongad	1.05	2.9
7	Malampuzha	10.35	10.56
8	Mankara	0.87	5.96
9	Marutharode	0.26	2.53
10	Mundur	0.54	3.12
11	Palakkad Municipality	1.46	5.56
12	Pallassana	3.78	3.98
13	Parali	0.76	5.4
14	Perumatty	0.36	7.94
15	Peruvemba	0.73	4.4
16	Pirayiri	1.47	4.17
17	Puduppariyaram	0.77	3.41
18	Pudusseri	5.92	9.4

1 in 50 YEAR (CC – RCP 8.5)

Sl No	LSG	Flood Inundation Area (Km2)	Max. Flood Level (m)
1	Akathethara	0.13	2.84
2	Elappully	1.30	10.88
3	Kannadi	1.85	6.11
4	Keralassery	0.33	3.03
5	Kodumbu	1.75	6.08
6	Kongad	1.06	3.03
7	Malampuzha	10.57	10.56
8	Mankara	1.08	6.31
9	Mannur	0.02	0.08
10	Marutharode	0.26	2.63
11	Mundur	0.56	3.22
12	Palakkad Municipality	1.82	6.11
13	Pallassana	3.89	4.01
14	Parali	0.78	5.4
15	Perumatty	0.36	8.06
16	Peruvemba	0.76	4.52
17	Pirayiri	1.83	4.93
18	Puduppariyaram	0.77	3.55
19	Pudusseri	5.98	9.4

1 in 100 YEAR (CC – RCP 8.5)

Sl No	LSG	Flood Inundation Area (Km2)	Max. Flood Level (m)
1	Akathethara	0.14	3.04
2	Elappully	1.32	10.88
3	Kannadi	2.22	6.5
4	Keralassery	0.33	3.1
5	Kodumbu	1.96	6.51
6	Kongad	1.06	3.1
7	Malampuzha	10.76	10.56
8	Mankara	1.20	6.73
9	Mannur	0.02	0.18
10	Marutharode	0.26	2.83
11	Mundur	0.57	3.24
12	Palakkad Municipality	2.06	6.5
13	Pallassana	4.14	4.05
14	Parali	0.88	5.8
15	Perumatty	0.36	8.2
16	Peruvemba	0.76	4.62
17	Pirayiri	2.23	5.31
18	Puduppariyaram	0.82	3.71
19	Pudusseri	6.05	9.4

1 in 200 YEAR (CC – RCP 8.5)

Sl No	LSG	Flood Inundation Area (Km2)	Max. Flood Level (m)
1	Akathethara	0.14	3.2
2	Elappully	1.33	10.89
3	Kannadi	2.52	6.53
4	Keralassery	0.33	3.1
5	Kodumbu	2.17	7.06
6	Kongad	1.07	3.19
7	Malampuzha	10.88	10.56
8	Mankara	1.31	6.91
9	Mannur	0.02	0.27
10	Marutharode	0.26	2.92
11	Mundur	0.59	3.34
12	Palakkad Municipality	2.20	6.53
13	Pallassana	4.36	4.08
14	Parali	0.96	6.3
15	Perumatty	0.36	8.2
16	Peruvemba	1.56	4.98
17	Pirayiri	2.37	5.53
18	Puduppariyaram	0.85	3.84
19	Pudusseri	6.16	9.49

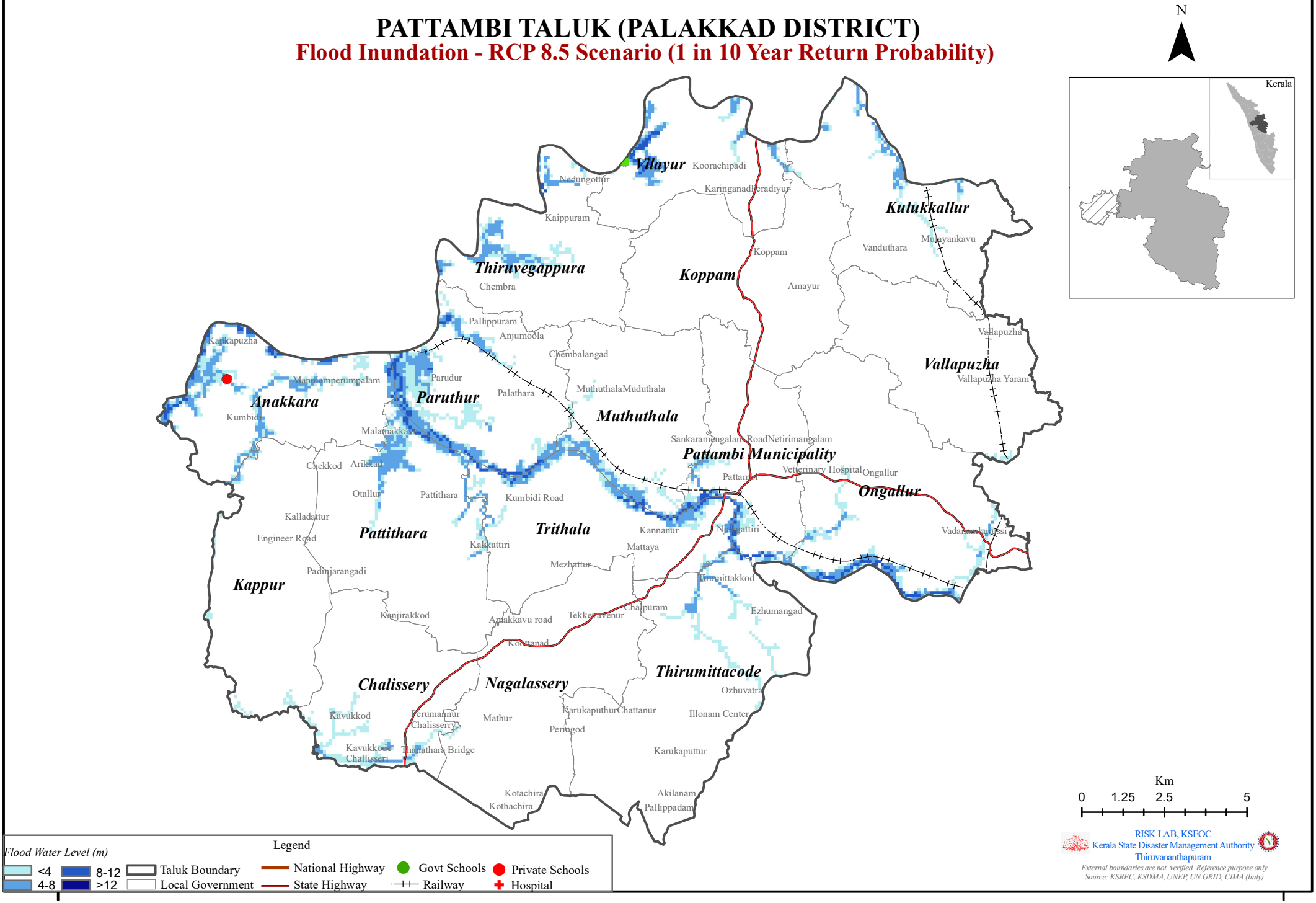
1 in 500 YEAR (CC – RCP 8.5)

Sl No	LSG	Flood Inundation Area (Km2)	Max. Flood Level (m)
1	Akathethara	0.16	3.42
2	Elappully	1.36	10.89
3	Kannadi	2.72	6.67
4	Keralassery	0.33	3.1
5	Kodumbu	2.34	7.61
6	Kongad	1.07	3.39
7	Malampuzha	11.15	10.56
8	Mankara	1.34	6.94
9	Mannur	0.02	0.37
10	Marutharode	0.28	3.06
11	Mundur	0.61	3.44
12	Palakkad Municipality	2.32	6.67
13	Pallassana	4.62	4.11
14	Parali	1.04	6.9
15	Perumatty	0.40	8.2
16	Peruvemba	1.72	5.01
17	Pirayiri	2.55	5.66
18	Puduppariyaram	0.93	4.04
19	Pudusseri	6.25	9.5

PALAKKAD DISTRICT						
PALAKKAD TALUK						
Name of exposed Hospital/School (LSG)	**Return Probability (Climate Change Scenario - RCP 8.5)**					
	1 in 10 Year	1 in 25 Year	1 in 50 Year	1 in 100 Year	1 in 200 Year	1 in 500 Year
Kannadi						
Hospital						
Ayur Paalana Hospital	✓	✓	✓	✓	✓	✓
Palakkad Municipality						
School						
G.U.P.S West Yakkara		✓	✓	✓	✓	✓
Pirayiri						
School						
G.L.P.S Piriyari		✓	✓	✓	✓	✓
Pudusseri						
School						
G.L.P.S Kanjikode	✓	✓	✓	✓	✓	✓

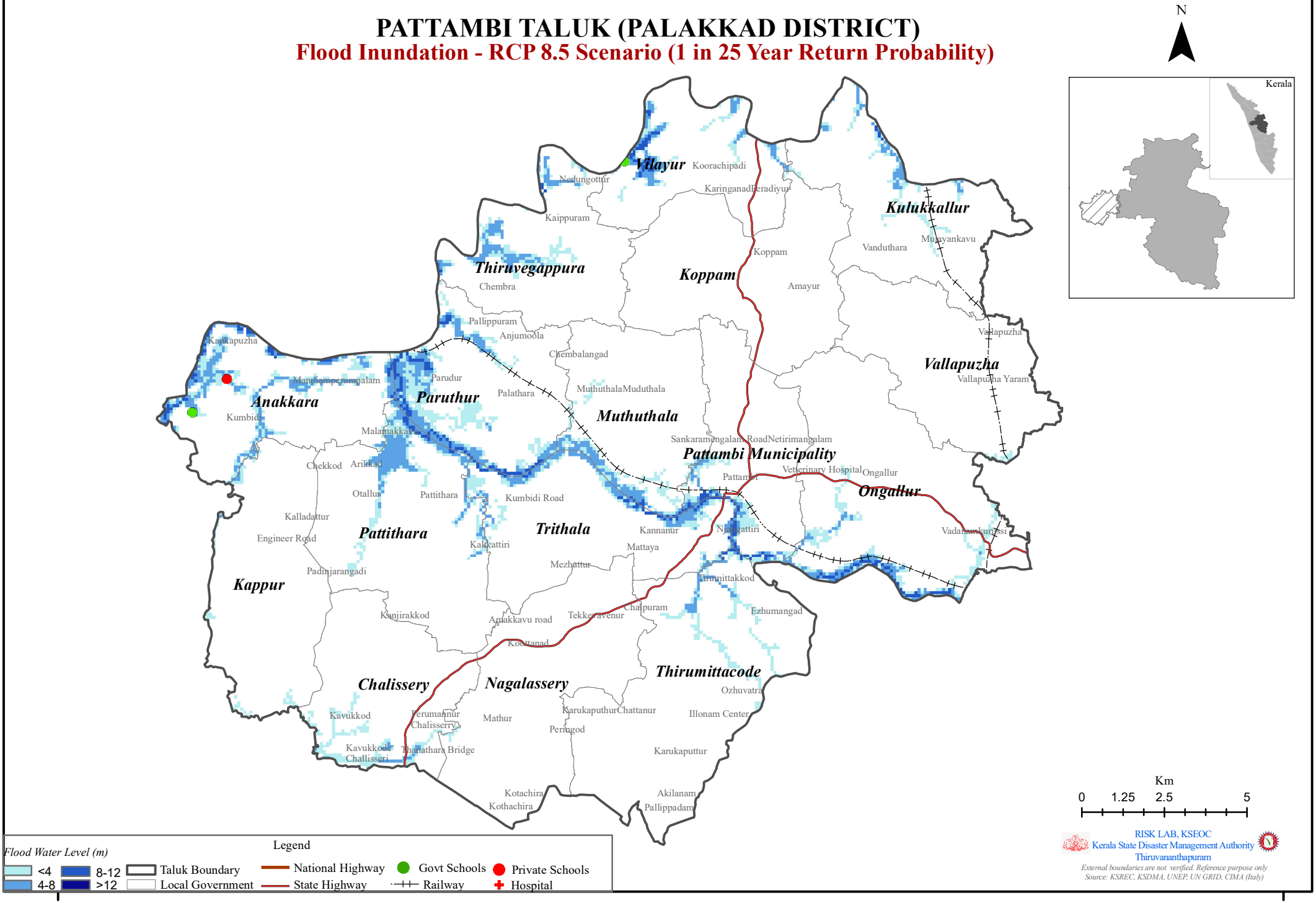
PATTAMBI TALUK (PALAKKAD DISTRICT)

Flood Inundation - RCP 8.5 Scenario (1 in 10 Year Return Probability)



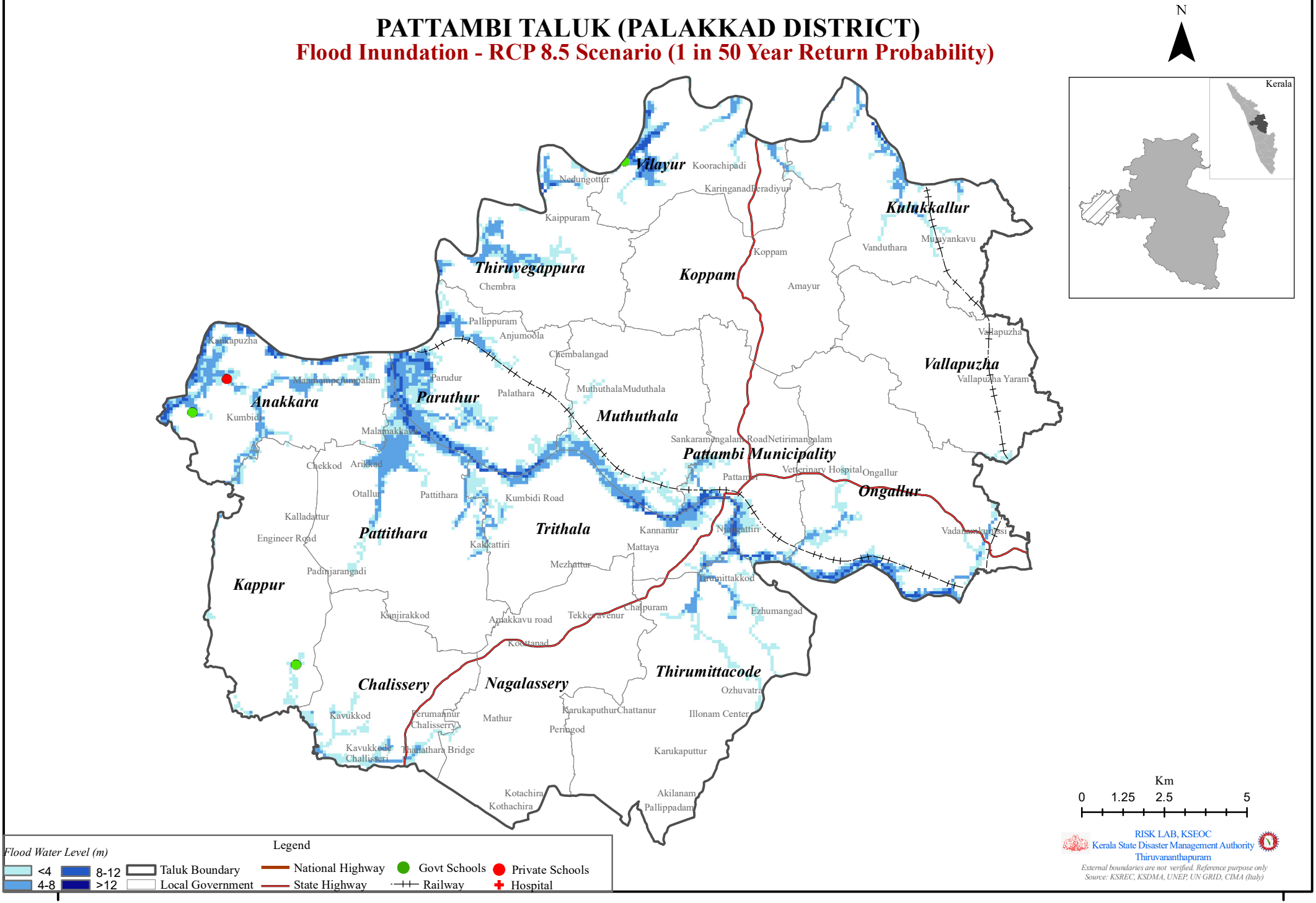
PATTAMBI TALUK (PALAKKAD DISTRICT)

Flood Inundation - RCP 8.5 Scenario (1 in 25 Year Return Probability)



PATTAMBI TALUK (PALAKKAD DISTRICT)

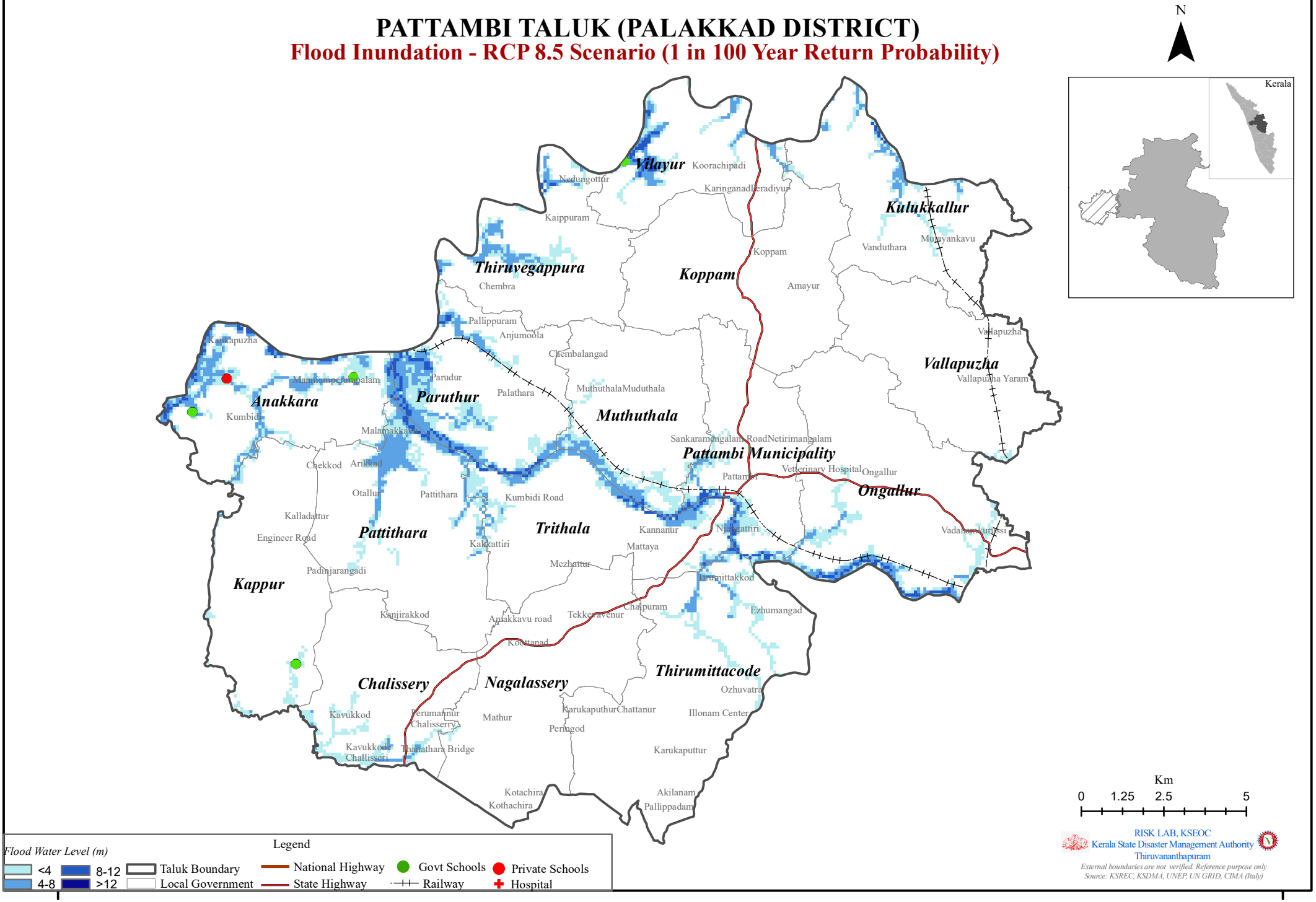
Flood Inundation - RCP 8.5 Scenario (1 in 50 Year Return Probability)



76°0'0"E 76°20'0"E

PATTAMBI TALUK (PALAKKAD DISTRICT)

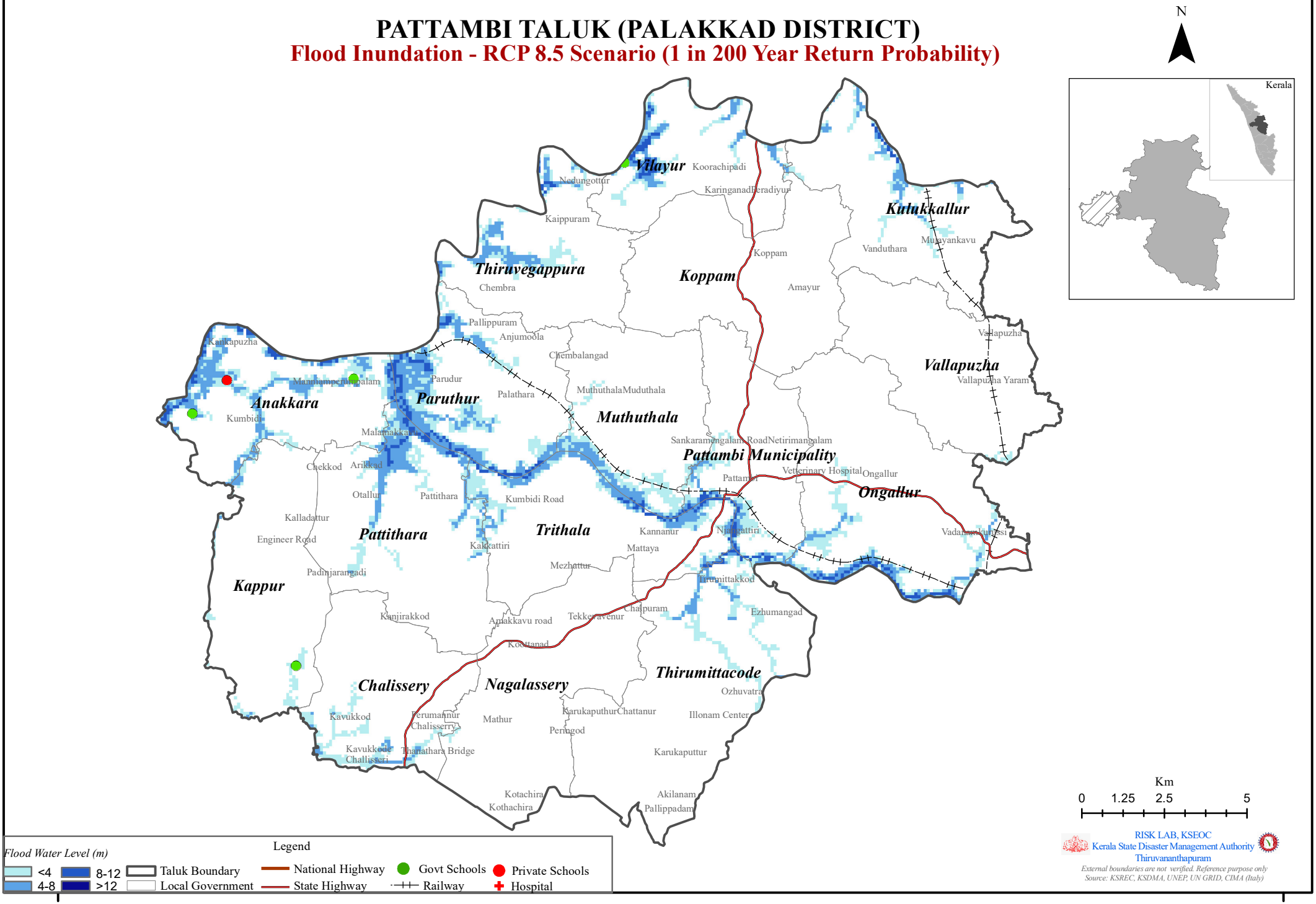
Flood Inundation - RCP 8.5 Scenario (1 in 100 Year Return Probability)



76°0'0"E 76°20'0"E

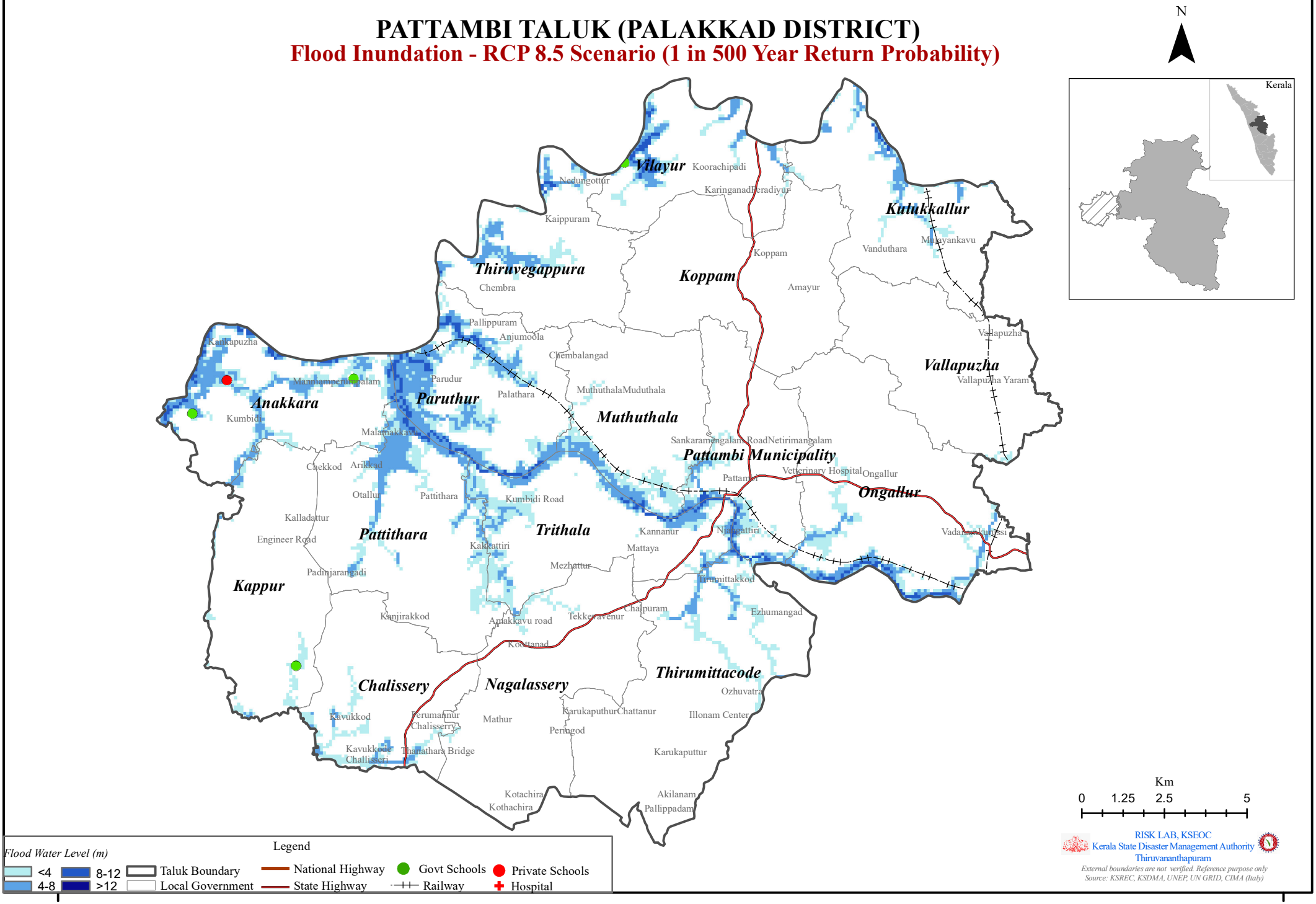
PATTAMBI TALUK (PALAKKAD DISTRICT)

Flood Inundation - RCP 8.5 Scenario (1 in 200 Year Return Probability)



PATTAMBI TALUK (PALAKKAD DISTRICT)

Flood Inundation - RCP 8.5 Scenario (1 in 500 Year Return Probability)



PALAKKAD DISTRICT

PATTAMBI TALUK

1 in 10 YEAR (CC – RCP 8.5)

Sl No	LSG	Flood Inundation Area (Km2)	Max. Flood Level (m)
1	Anakkara	4.33	10.11
2	Ayiloor	1.18	3.63
3	Chalissery	1.45	3.42
4	Kappur	0.49	4.54
5	Koppam	0.01	2.27
6	Kulukkallur	1.34	6.64
7	Muthuthala	1.55	9.69
8	Nagalassery	0.04	1.6
9	Ongallur	2.59	9.06
10	Parali	0.82	4.17
11	Paruthur	4.84	8.9
12	Pattanchery	0.06	3.36
13	Thenkurissi	1.05	2.26
14	Thirumittacode	1.52	9
15	Trithala	2.60	9.97
16	Vallapuzha	0.11	1.17
17	Vilayur	1.76	8.86

1 in 25 YEAR (CC – RCP 8.5)

Sl No	LSG	Flood Inundation Area (Km2)	Max. Flood Level (m)
1	Anakkara	4.93	10.81
2	Ayiloor	1.30	3.81
3	Chalissery	1.47	3.94
4	Kappur	0.58	4.79
5	Koppam	0.02	2.38
6	Kulukkallur	1.63	7.45
7	Muthuthala	1.85	10.09
8	Nagalassery	0.06	1.72
9	Ongallur	2.87	9.77
10	Parali	0.99	4.81
11	Paruthur	5.28	9.6
12	Pattanchery	0.06	3.39
13	Thenkurissi	1.07	2.28
14	Thirumittacode	1.68	9.79
15	Trithala	3.00	10.86
16	Vallapuzha	0.12	1.37
17	Vilayur	2.09	9.94

1 in 50 YEAR (CC – RCP 8.5)

Sl No	LSG	Flood Inundation Area (Km2)	Max. Flood Level (m)
1	Anakkara	5.35	11.41
2	Ayiloor	1.32	3.87
3	Chalissery	1.65	4.31
4	Kappur	0.85	5.05
5	Koppam	0.02	2.52
6	Kulukkallur	1.78	8.12
7	Muthuthala	2.13	10.49
8	Nagalassery	0.06	1.83
9	Ongallur	3.02	10.17
10	Parali	1.12	5.09
11	Paruthur	5.64	10.2
12	Pattanchery	0.14	3.43
13	Thenkurissi	1.07	2.28
14	Thirumittacode	1.92	10.28
15	Trithala	3.38	11.36
16	Vallapuzha	0.13	1.57
17	Vilayur	2.26	10.54

1 in 100 YEAR (CC – RCP 8.5)

Sl No	LSG	Flood Inundation Area (Km2)	Max. Flood Level (m)
1	Anakkara	5.73	11.81
2	Ayiloor	1.34	3.87
3	Chalissery	1.68	4.68
4	Kappur	0.95	5.18
5	Koppam	0.02	2.6
6	Kulukkallur	1.97	8.84
7	Muthuthala	2.44	11.39
8	Nagalassery	0.06	1.87
9	Ongallur	3.24	10.57
10	Parali	1.30	5.45
11	Paruthur	5.94	10.6
12	Pattanchery	0.17	3.43
13	Thenkurissi	1.09	2.35
14	Thirumittacode	2.06	10.62
15	Trithala	3.54	11.57
16	Vallapuzha	0.13	1.67
17	Vilayur	2.41	10.99

1 in 200 YEAR (CC – RCP 8.5)

Sl No	LSG	Flood Inundation Area (Km2)	Max. Flood Level (m)
1	Anakkara	5.96	12.27
2	Ayiloor	1.35	3.92
3	Chalissery	1.82	5.06
4	Kappur	1.03	6.26
5	Koppam	0.02	2.6
6	Kulukkallur	2.15	9.5
7	Muthuthala	2.51	11.49
8	Nagalassery	0.06	2
9	Ongallur	3.50	10.97
10	Parali	1.45	5.74
11	Paruthur	6.14	11.06
12	Pattanchery	0.19	3.43
13	Thenkurissi	1.15	2.37
14	Thirumittacode	2.18	10.88
15	Trithala	3.64	11.86
16	Vallapuzha	0.13	1.77
17	Vilayur	2.56	11.4

1 in 500 YEAR (CC – RCP 8.5)

Sl No	LSG	Flood Inundation Area (Km2)	Max. Flood Level (m)
1	Anakkara	6.32	12.89
2	Ayiloor	1.38	3.97
3	Chalissery	1.94	5.43
4	Kappur	1.17	6.88
5	Koppam	0.02	2.6
6	Kulukkallur	2.29	10.15
7	Muthuthala	2.79	11.59
8	Nagalassery	0.47	3.62
9	Ongallur	3.72	11.37
10	Parali	1.60	6.11
11	Paruthur	7.81	11.93
12	Pattanchery	0.21	3.46
13	Thenkurissi	1.18	2.38
14	Thirumittacode	2.31	11.1
15	Trithala	5.35	12.07
16	Vallapuzha	0.13	1.96
17	Vilayur	2.75	12.08

PALAKKAD DISTRICT						
PATTAMBI TALUK						
Name of exposed Hospital/School (LSG)	**Return Probability (Climate Change Scenario - RCP 8.5)**					
	1 in 10 Year	1 in 25 Year	1 in 50 Year	1 in 100 Year	1 in 200 Year	1 in 500 Year
Anakkara						
School						
A. J. B. S. Koodallur				✓	✓	✓
G. L. P. S. Melazhiyam		✓	✓	✓	✓	✓
G.B.L.P.S Kudallur	✓	✓	✓	✓	✓	✓
Kappur						
School						
A. J. B. S. Edapparamba			✓	✓	✓	✓
Vilayur						
School						
A. M. L. P. S. Edappalam	✓	✓	✓	✓	✓	✓