



GOVERNMENT OF KERALA

Abstract

Health and Family Welfare Department - Covid-19 - Identification of Hot Spots – Orders issued.

HEALTH AND FAMILY WELFARE (F) DEPARTMENT

G.O.(Ms)No.68/2020/H&FWD

Dated, Thiruvananthapuram, 19/04/2020

Read G.O (MS) No. 78/2020/GAD dated 17/04/2020.

ORDER

As per Government Order read above, Government have issued revised guidelines to all Departments, District Collectors, Superintendents of Police and other Heads of Departments for the containment activities of COVID-19 epidemic for strict implementation in the State of Kerala. Also, Government have decided to identify the Hot Spot areas where the intensity of the disease is high. Accordingly, the activities of these areas will be regulated as per the instructions issued from Government from time to time.

The Government Order mandated Health and Family Welfare Department to declare the Hot spots.

The State Executive Committee, State Disaster Management Authority decided the methodology for identifying the Hot spots in its meeting on 19th April 2020.

1.The criteria and methodology are as follows -

- I. All LSGs with a positive case or primary contact or secondary contact was first enlisted.
- II. The number of positive cases, primary contacts and secondary contacts in each of the above Local Self Governments (LSG) were tabulated. The data of Positive cases, Primary Contacts and Secondary contact as on 16th April 2020 was taken for the Hotspot analysis.
- III. The individual cell value of the positive, primary and secondary were normalised with the sum of the respective column [Normalised Value = $N \text{ value} * 100 / (\text{Sum of } N)$]
- IV. Weights were applied to the positive cases, primary and secondary contacts as follows:
 - a. Normalised Value of LSG for Positive Cases - 50%
 - b. Normalised Value of LSG for Primary Contacts - 35%

c. Normalised Value of LSG for Secondary Contacts - 15%

V. The above criteria were applied to give a scaled weightage to the LSGs with a positive case and/or primary contact and/or secondary contact.

VI. The natural break of the scaled weightage as against the LSG with at least one positive case was examined. This was found to be 0.34.

VII. All LSGs with >0.34 scaled weightage was identified as Hot spots

VIII. This way, 88 Local Self Governments identified.

a. The list of Local Self Governments is attached

b. A map of the identified Local Self Governments is attached

2. As epidemic is dynamic and situation changes every day, it is decided that the data analysis shall be done daily to decide the addition of the Hot spot areas. Health and Family Welfare department shall publish in daily bulletin the additional Hot spots, if any.

3. It is also decided that the deletion of the Hot spots shall be done after weekly data analysis. Accordingly, Health and Family Welfare Department shall publish in the bulletin the deletion of Hot spots.

4. On the basis recommendation of the State Executive Committee held on 19-4-2020, Government declare 88 Local Self Governments (Corporation/Municipality/Panchayat) mentioned in the Annexure attached herewith as Hot spots.

5. As per the G.O (MS) No. 78/2020/GAD dated 17/04/2020, the restrictions and regulations mentioned for the Red districts shall be applicable to all the 88 Local Self Governments mentioned in the Annexure attached herewith as Hot spots.

(By order of the Governor)

RAJAN NAMDEV KHOBRADE
PRINCIPAL SECRETARY

To:

All Additional Chief Secretaries
The State Police Chief
All Principal Secretaries
All Secretaries
All Heads of the Department
All District Collectors
All District Superintendent of Police
All Commissioners of Police

The Director Information & Public Relations
Department Stock File/Office Copy.

Copy to :

The Private Secretary to Chief Minister
The Private Secretary to Minister Health & Social Justice
The Special Secretary to Chief Secretary
The PA to Additional Chief Secretary Home & Vigilance

Forwarded /By order

Signature Not Verified

Digitally signed by ANIL KUMAR D

Date: 2020.04.19 19:10:17 IST

Reason: Approved

Section Officer

ANNEXURE

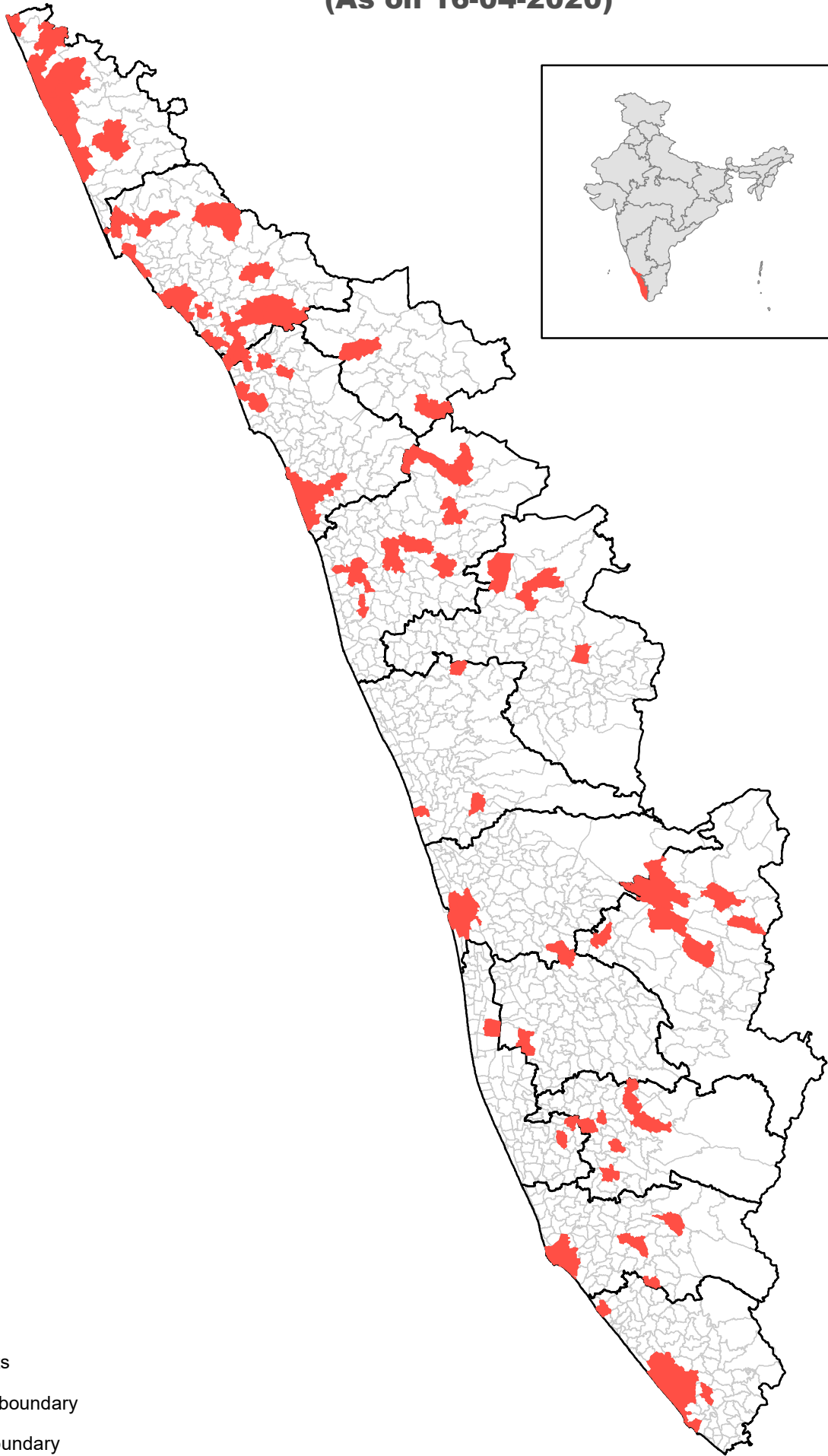
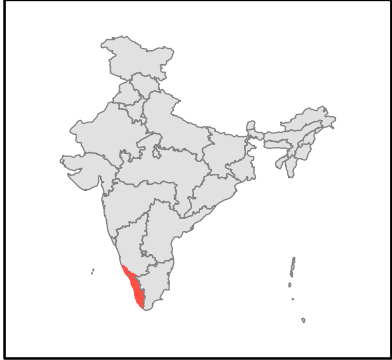
Hotspots as recommended by State Executive Committee held on 19-4-2020, 11.30 am						
Sl. No	District	LSG	Positive	Primary	Secondary	Weight
1	Kasaragod	Kasaragod(M)	18	0	0	6.12
2	Kasargode	Chemnad Panchayat	13	22	18	4.72
3	Palakkad	Karakurissi Panchayat		279	398	4.58
4	Kannur	Thalassery Municipality	11	4	4	3.80
5	Kannur	Kolayad Panchayat	8	11	11	2.88
6	Kannur	Koothuparamba Municipality	8	2	2	2.75
7	Kasargode	Chengala Panchayat	5	74	47	2.65
8	Kozhikode	Kozhikode Corporation	1	171	51	2.26
9	Kottayam	Thiruvapur Panchayat		107	219	2.06
10	Kasargode	Madhur Panchayat	6	1		2.05
11	Kasargode	Mogral Puthur Panchayat	2	121		1.88
12	Kozhikode	Vadakara Municipality	3	57		1.58
13	Kannur	Pattiam Panchayat	4	7	7	1.46
14	Kannur	Kottayam Panchayat	2	51	51	1.42
15	Idukki	Idukki Kanjikuzhy Panchayat		82	131	1.41
16	Kasaragod	Kanjangad(M)	4	0	0	1.36
17	Idukki	Mariyapuram Panchayat		62	145	1.28
18	Ernakulam	Cochin Corporation	3	15	7	1.20
19	Thiruvananthapuram	Thiruvananthapuram Corporation	1	80	15	1.20
20	Malappuram	Malappuram Municipality	3	2	1	1.04
21	Kasaragod	Uduma	3	0	0	1.02
22	Kollam	Kollam Corporation	2	23	6	0.93
23	Thrissur	Vallathol Nagar Panchayat		57	81	0.93
24	Idukki	Adimaly Panchayat		17	163	0.91
25	Malappuram	Wandoor Panchayat		31	119	0.85
26	Kannur	Madayi Panchayat	1	35	35	0.85
27	Kannur	Iritty Municipality	1	32	32	0.80
28	Kasargode	Paivalike Panchayat	2	6	13	0.80
29	Idukki	Thodupuzha Municipality		44	72	0.76
30	Kannur	Mokeri Panchayat	1	26	26	0.72
31	Pathanamthitta	Vadasserikkara Panchayat		47	55	0.72
32	Malappuram	Thennala Panchayat		72		0.71
33	Thiruvananthapuram	Varkala Municipality		52	42	0.71
34	Kozhikode	Edacheri Panchayat	2	2	1	0.70
35	Pathanamthitta	Adoor Municipality	2	1	3	0.70
36	Thrissur	Mathilakam Panchayat		61	21	0.70

37	Kasargode	Badiyaduka Panchayat	2	1		0.69
38	Kasaragod	Kodom-Belur	2	0	0	0.68
39	Kannur	Kannur Corporation	1	23	23	0.67
40	Kannur	Panoor Municipality	1	23	23	0.67
41	Kozhikode	Azhiyur Panchayat	1	23	20	0.66
42	Palakkad	Kanjirapuzha Panchayat		9	114	0.61
43	Wayanad	Vellamunda Panchayat		47	20	0.56
44	Malappuram	Tirurangadi Municipality	1	20		0.54
45	Kannur	Payyannur Municipality	1	13	13	0.53
46	Pathanamthitta	Aranmula Panchayat	1	7	25	0.52
47	Ernakulam	Mulavukad Panchayat		50	1	0.50
48	Kollam	Punaloor Municipality	1	16		0.50
49	Kozhikode	Kuttiadi Panchayat	1	12		0.46
50	Kannur	Kadannapally Panapuzha Panchayat	1	7	7	0.44
51	Kannur	Chokli Panchayat		30	30	0.43
52	Kannur	Mattool Panchayat		30	30	0.43
53	Kannur	Eruvassey Panchayat	1	6	6	0.43
54	Kannur	Peralasseri Panchayat	1	6	6	0.43
55	Idukki	Bisonvalley Panchayat		30	27	0.42
56	Pathanamthitta	Ranni Pazhavangadi Panchayat		33	20	0.42
57	Kozhikode	Nadapuram Panchayat	1	7		0.41
58	Malappuram	Valavannur Panchayat	1	6		0.40
59	Idukki	Senapathy Panchayat		24	34	0.39
60	Wayanad	Muppainadu Panchayat	1	4	2	0.39
61	Malappuram	Edarikode Panchayat		39		0.39
62	Kannur	Chittariparamba Panchayat	1	3	3	0.38
63	Malappuram	Vengara Panchayat		30	19	0.38
64	Malappuram	Chungathara Panchayat		36	6	0.38
65	Kollam	Thrikkaruva Panchayat		38	1	0.38
66	Alappuzha	Cheriyannur Panchayat	1	3		0.37
67	Kannur	Naduvil Panchayat	1	2	2	0.37
68	Kasargode	Kumbala Panchayat	1	2		0.36
69	Kollam	Nilamel Panchayat	1	1		0.35
70	Thrissur	Chalakkudy Municipality	1	1		0.35
71	Malappuram	Keezhattur Panchayat		28	15	0.35
72	Alappuzha	Chengannur(M)	1	0	0	0.34
73	Alappuzha	Muhamma	1	0	0	0.34
74	Kannur	Maniyur	1	0	0	0.34
75	Kasaragod	Ajanur	1	0	0	0.34




76	Kasaragod	Manjeswaram	1	0	0	0.34
77	Kasaragod	Pallikkara	1	0	0	0.34
78	Kollam	Ummannoor	1	0	0	0.34
79	Malappuram	Edakkara	1	0	0	0.34
80	Malappuram	Kunnamangalam	1	0	0	0.34
81	Malappuram	Manjeri(M)	1	0	0	0.34
82	Malappuram	Pookkottur	1	0	0	0.34
83	Palakkad	Kottoppadam	1	0	0	0.34
84	Palakkad	Palakkad(M)	1	0	0	0.34
85	Pathanamthitta	Kozhancherry	1	0	0	0.34
86	Pathanamthitta	Omallee	1	0	0	0.34
87	Pathanamthitta	Veliyannoor	1	0	0	0.34
88	Thiruvananthapuram	Malayinkeezhu	1	0	0	0.34

COVID - 19
KERALA STATE

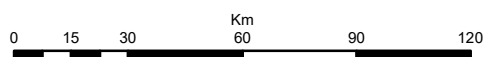
Hotspots
(As on 16-04-2020)



Legend

-  Hotspots
-  District boundary
-  LSG Boundary

Based on data available with COVID Tracker as on 17-04-2020



External boundaries are not verified. Reference purpose only