

FLOOD 2019 IN MALAPPURAM DISTRICT					
FIELD STUDY IN AFFECTED AREAS IN NILAMBUR TALUK					
LIST OF INHABITANTS TO BE SHIFTED TEMPORARILY					
SLNO	DATE	TEAM NO	VILLAGE	LOCATION	REMARKS
1	21-08-2019	1	Pothukal	Kavalappara, Muthappankunnu	*Aborted land slide occurred area. *Cracks with about 1.50meters depth. *24 houses down hill under threat to be evacuated during heavy rain.
2	21-08-2019	2	Pothukal	Pathar vaalamkolli east and west	*Land slide occurred area. *71 families in threat. 59 houses to be shifted duuring heavy rain.
4	22-08-2019	3	Pothukal	Uppada Gramam	*Minor slide occurred. *Rubber plantation on up hill portion. *6 families Need evacuation due to heavy rain.
				Uppada gramam potti(Site 1)	*Land slip occurred. *2 families should be shifted during heavy rain.
				Uppada gramam potti(Site 2)	*Threat of heavy boulders on the top portion. *8 families should be shifted during heavy rain.
5	22-08-2019	6		Pullankode estate	*High hazard area. *Fissure found. *70 family to be shifted temporarily during heavy rain.
6	23-08-2019	1	Pothukal	Thudimutty top portion	*Minor land slide occurred. *Slope over 56 degree and cracks exists. *Inward Terrace with continuous trench and massive rock outcrop obstructing natural drain is found. *Panier colony under threat to be evacuated during heavy rain.
7	23-08-2019	1	Pothukal	Thudimutty Muthuvan colony	*Unscientific earth excavation. *Vertical cutting. *17 houses in colony under threat of land slip. Needs to be evacuated during heavy rain.
8	23-08-2019	1	Pothukal	Thudimutty (Location no.6)	*24 houses close to hill slope *Cracks found up hill. Increase in its extent is a threat. * Evacuation needed during heavy rain between Thudimutty and Muthuvan colony.
9	23-08-2019	6	Wandoor	Pulluparambu	*Fracture on Massive rock. *5 houses to be shifted temporarily during heavy rain.

10	23-08-2019	6	Wandoor	Pulliparambu (location 2)	<p>*2018 Land slide area.</p> <p>*40 houses at risk due to quarry on crown.</p> <p>*Temporary shifting needed for 5 houses during heavy rain.</p> <p>*Further working of quarry to be stopped.</p>
11	23-08-2019	6	Kurumpilangode	Kurumpangode AP kundu Kallayippara	<p>*Land slide area</p> <p>*Temporary shifting for 5 houses during heavy rain.</p>
12	23-08-2019	3	Pothukal	Aanakkallu-Kurissumala)	<p>*Recommended for GSI studies.</p> <p>*Minor land slide occurred.</p> <p>*Natural streams interrupted by constructing rubber plat form on up hill portion</p> <p>*Threat to 7 families(6 families and 1 Anganavaadi) .</p> <p>*Need evacuation during to heavy rain.</p>
13	23-08-2019	3	Pothukal	Aanakkallu-Punchakolly	<p>*Minor land slide occurred.</p> <p>*Natural streams interrupted by constructing rubber plat form on up hill portion</p> <p>*Threat to 8 families.</p> <p>*Need evacuation during to heavy rain.</p>
14	23-08-2019	3	Kurimbilangode	Plakkal chola	<p>*Compost pits should not be maintained.</p> <p>*High hazard zone</p> <p>*Three houses not fit for stay.</p> <p>*Threat to 23 families in heavy rain.</p> <p>*20 families to be evacuated in heavy rain</p>
15	23-08-2019	2	Pothukal	Panankayam Ambalakkunnu colony,and Koovakole area	<p>*Land slide prone area.</p> <p>*Prone to rock fall.</p> <p>*Not suitable for human living.</p> <p>* 26 families shifted to be during heavy rain.</p>
16	23-08-2019	2	Pothukal	Athiruveetil SC colony	<p>*Life threatened by cracks and damages of houses.</p> <p>*Land slip also can happen in future.</p> <p>*SC colony not suitable for life.</p> <p>*Should be evacuated.</p> <p>*.7 genral families to be shifted during heavy rain.</p>
17	24-08-2019	3	Amarambalam	Irukuttiyanmala-Elakkallu	<p>*Subsidence found 1.5 feet.</p> <p>*maximum width(displacemet) 2 feet.</p> <p>*Length is about 130m.</p> <p>*Slope angle is about 42 degree.</p> <p>*10 families should be shifted during heavy rain.</p>
18	24-08-2019	3	Amarambalam	Irukuttiyanmala-Kalchira	<p>* Land Subsidence in 2 feet width and 15m length.</p> <p>*28 families tobe evacuated during heavy rain.</p> <p>*Slope angle is about 50 degree.</p>
19	24-08-2019	3	Amarambalam	Irukuttiyanmala-Pottikkal	<p>* Subsidence and displacement of land noticed.</p> <p>*13 families tobe evacuated during heavy rain.</p> <p>*Slope angle is about 38 degree.</p>

20	24-08-2019	2	Kerala Estate	Kalkundu-Arthalakunnu	<p>*Cracks found top portion and North side of Kalkundu river .</p> <p>*44 families to be evacuated during heavy rain.</p> <p>*No threat for houses.</p>
21	25-08-2019	6	Moothedam	Muchiparada Colony	<p>*Mild soil piping and crack of 5M length visible.</p> <p>*One house near the spring should be permanently shifted.</p> <p>* 43 families should be evacuated in heavy rain.</p>
22	25-08-2019	2	Vazhikkadavu	Narivalamunda	<p>* Active shearing cracks are present.</p> <p>* Slippage in lithomargic clay accelerated soil piping.</p> <p>*Shear cracks with 15 meters length and 30 cm width indicates aborted land slides.</p> <p>*Active stream during the past years have been dormant now.</p> <p>*Formation of new spring with clayey ejection are noticed. *30 families of Narivalimunda SC colony should be evacuated during heavy rain.</p>
23	25-08-2019	2	Vazhikkadavu	Putherippadam	<p>* Falls in moderate hazard zone with multiple debris slide.</p> <p>* Small cracks with gneissic base rock is seen.</p> <p>*Rotational cracks are predominant in the area.</p> <p>*Possibility of aborted land slide with tensional cracks in mid flank of hillock.</p> <p>*60 families including 9 SC families near land slide affected area should be evacuated during heavy rain.</p>
24	25-08-2019	2	Vazhikkadavu	Koottilappara	<p>* A major land slide occurred in the terrain.</p> <p>*Massive rocks are seen above the crown area.</p> <p>*In main scarp ordinary earth be seen with bulging.</p> <p>*Cracks are visible.</p> <p>*Geo technical studies are need in the area.</p> <p>* 20 families should be evacuated during heavy rain.</p>
25	25-08-2019	1	Vazhikkadavu	Vettukathikotta locations- Kettungal	<p>*Minor landslide seen.</p> <p>*Cracks developed 20m length.</p> <p>* Subsidence of land.</p> <p>*7 houses downhill needs to be evacuated during heavy rain</p>
26	27-08-2019	2	Vazhikkadavu	Mathalappara	<p>*3 major debris slide due to shearing cracks are noticed.</p> <p>*Crown in forest area.</p> <p>*Crack of 50m length found.</p> <p>* major land slide occurred In 1961.</p> <p>*Minor slides occurred near toe region.</p> <p>*15 houses are affected and need to be shifted during heavy rain.</p>

