

FINAL LIST OF TOTAL SITES UNDER PACKAGE-08 (UP COUNTRY RAILWAY LINE)  
 [PHASE II - 102 LANDSLIDE MITIGATION SITES FOR REDUCTION OF LANDSLIDE VULNERABILITY BY MITIGATION MEASURES PROJECT (RLVMMP) - AIBB]

No	Site No	Province	District	DS	GN	Village/Location	GPS		Average area (m <sup>2</sup> )	Potential damage (No. of Houses, Facilities etc)	Status	Remarks	Work to be done
							N	E					
1	128	Sabaragamuwa Province	Kegalle	Rambukkana	Kansalagamuwa	Between Rambukkana and Kadigamuwa railway stations at CH 53+75 (LHS) (Kansalagamuwa Landslide)	7.330593	80.417030	4,000 m <sup>2</sup>	Railway line, Rambukkana-Mawanella main road and houses located downslope	Potential	Progressive slope failures	Highly potential location for progressive slope failure, therefore lowering the water table of the slope by introducing subsurface drains, improve to surface drainage system by repairing the existing cut-off drain and slope protection should be implemented by constructing a cantilever type retaining wall
2	129	Sabaragamuwa Province	Kegalle	Rambukkana	Kadigamuwa	Kadigamuwa Railway Station, at CH 55+45 (RHS) (Kadigamuwa Railway Station Landslide)	7.322946	80.433577	1,000 m <sup>2</sup>	Railway platform, instability of down slope area and houses located in down slope	Potential	Landslide	Highly potential location for landslide, therefore lowering the water table of the slope by introducing subsurface drains, improve the surface drainage system by constructing proper drainage system within whole area and improve the slope stability by constructing a 3m height gabion wall and proper backfill along the down slope should be introduced
3	130	Sabaragamuwa Province	Kegalle	Mawanella	Makechelwala	Between Ihalakotte and Balana railway stations at CH 59+75 (RHS) (Ihalakotte Landslide)	7.284028	80.477222	11,000 m <sup>2</sup>	Railway line, one house located at down slope (already relocated)	Happened and potential	Landslide	Highly potential location for landslide, therefore construction of a cut off drain above the upper slope and diversion of water to the adjacent culverts, reshaping entire slope with proposing suitable angles for each rock and soil surface with proposed toe excavation for the platform should be introduced
4	131	Central Province	Kandy	Yatinuwara	Balana	Between Ihalakotte and Balana railway stations at CH 61+50	7.268340	80.481888	8,000 m <sup>2</sup>	Railway line	Potential	Cutting failure of double cut and rock fall	Highly potential location for cutting failures, therefore preventive measures such as soil nailing, reshaping, turfing, surface and subsurface drainage management should be introduced, preventive measures such as rock netting and rock fencing should be introduced
5	132	Central Province	Kandy	Pasbage Korale	Inguruoya North	Inguruoya railway station at Ch 91+15 (Inguruoya railway station landslide)	7.017500	80.544800	7,500 m <sup>2</sup>	Railway line and railway station & house located below	Potential	Landslide and ground subsidence	Highly potential location for landslide and ground subsidence, therefore surface and subsurface drainage improvement, slope rectification measures including soil nailing and toe support walls and landslide monitoring should be introduced
6	133	Central Province	Kandy	Pasbage Korale	Moragolla Mahakanda	Between Inguruoya (90/77) and Galboda (94/36) railway stations at CH 93+15 (Penrose landslide)	6.992450	80.540670	8,000 m <sup>2</sup>	Railway line	Potential	Landslide, slope failure and ground subsidence	Highly potential location for landslide, slope failure and ground subsidence, therefore surface and subsurface drainage improvement, toe protection with retaining structures, soil nailing, reshaping and turfing should be introduced
7	134	Central Province	Kandy	Pasbage Korale	Wewegama	Between Galboda (94/36) and Watawala (100/26) railway stations at CH 95+10 (Galaboda landslide)	6.991940	80.523161	50,000 m <sup>2</sup>	Railway line	Potential	Landslide and ground subsidence	Highly potential location for landslide and ground subsidence, therefore Surface and subsurface drainage improvement and landslide monitoring should be introduced
8	135	Central Province	Kandy	Pasbage Korale	Watawala	Between Galboda (94/36) and Watawala (100/26) railway stations at CH 99+50 (Watawala landslide)	6.991940	80.523161	75,000 m <sup>2</sup>	Railway line	Potential	Landslide	Highly potential location for landslide, therefore preventive measures such as surface & subsurface drainage management, retaining structure should be introduced.
9	137	Central Province	Nuwara Eliya	Nuwara Eliya	Senclair	Between Kotagala (111/25) and Thalawakele (115/72), CH 115/37 - 115/40 and 115/52 - 115/57 (Approaches of tunnel no 15 from both sides)	6.942538	80.656386	5,000 m <sup>2</sup>	Railway line and 2 houses	Happened	Cutting failure	Highly potential location for cutting failure, therefore surface drainage development, rectification of unstable cuts with soil nailing, and retaining structures, reshaping and turfing should be introduced
10	139	Uva Province	Badulla	Welimada	62A, Ohiya	Ohiya railway station at CH 140/20, both sides of the railway station	6. 817980	80.842790	1,500 m <sup>2</sup>	behind the station and at right edge	Happened	Cutting failure	Highly potential location for cutting failure, therefore rectification of collapsed slope with toe wall and drainage improvement should be introduced
11	138	Uva Province	Badulla	Welimada	Kandepuhulpola	Between Pitiapola (139/19) and Ohiya (143/30) stations at Ch 140/44 - 140/47 (Near tunnel No 18)	6.841400	80.839330	1 km <sup>2</sup>	Railway line	Happened	Landslide and rockfall threat	Highly potential location for landslide along steep slope, therefore soil nailing and retaining wall should be introduced
12	140-L1	Uva Province	Badulla	Welimada	Pitiapola	Between Ohiya (143/30) and Idalgashinna (148/77), CH 144/04 - 144/39, both side near tunnel nos 22 and 23	6. 812710	80.850720	5,000 m <sup>2</sup>	Railway line	Happened	Rock fall threat and cutting failure	Highly potential location for cutting failure and rock fall, therefore preventive measures against rock fall threat including rock netting of both sides of the tunnel, soil nailing to rectify unstable cut slopes, surface drainage improvement should be introduced
	140-L2	Uva Province	Badulla	Welimada	Pitiapola	Between Ohiya (143/30) and Idalgashinna (148/77) railway stations, near tunnel no 30, at Ch 145/73	to be updated	to be updated	to be updated	Railway line	Happened	slope failure	to be updated
13	141	Uva Province	Badulla	Welimada	Pitiapola	Between Ohiya (143/30) and Idalgashinna (148/77), Near tunnel No - 33, RHS, at Ch 146/49	6.798334	80.879097	500 m <sup>2</sup>	Railway line, inside the Tunnel	Potential	Roack fall, Cracked & budged and wash away of filling area	Highly potential location for rock fall inside the Tunnel as planer & wedge failures along the escarp slope, therefore preventive measures such as rock anchoring & bolting or netting should be introduced
14	142	Uva Province	Badulla	Welimada	Maligathenna	Between Ohiya (143/30) and Idalgashinna (148/77), Ch 147/15 - 147/16	6.791251	80.886961	1,800 m <sup>2</sup>	Railway line and upper slope	Potential	Rock fall threat	Highly potential location for rock fall at upper slope, therefore rock netting, reshaping & improvement of drainage should be introduced
15	144	Uva Province	Badulla	Haputhale	Glananor	At CH 154/40 (Glananor landslide)	6. 779800	80.962000	50,000 m <sup>2</sup>	Railway line, land settlement in the landslide flow path	Potential	Landslide	Highly potential location for landslide, therefore subsurface and surface drainage improvement should be introduced
16	143	Uva Province	Badulla	Bandarawela	Inikam Bedda	Between Diyathalawa (156/54) and Bandarawela (160/36) railway stations at Ch 159/38	6.817549	80.986577	2,500 m <sup>2</sup>	Railway line	Potential	Slope failure	Highly potential location for cutting failure and landslide, therefore subsurface and surface drainage improvement and rectification of slope using soil nailing should be introduced
17	145	Uva Province	Badulla	Bandarawela	Inikam Bedda	Between Diyathalawa (156/54) and Bandarawela (160/36) railway stations at Ch 160/00 - 160/22	6.824500	80.985100	1,500 m <sup>2</sup>	Railway line, houses at both side & down slopes, and road at downslope	Potential	Cutting failure	Highly potential location for cutting failure, therefore subsurface and surface drainage improvement, rectification of downslope using soil nailing and toe retaining structures should be introduced
18	023	Uva Province	Badulla	Bandarawela	Bandarawela West	Between Bandarawela (160/36) and Heeloya (164/22) railway stations (Thepalkanda landslide)	6.827870	80.993237	12,000 m <sup>2</sup>	Railway line and 35 houses	Potential	Slope failures	Highly potential location for landslide and subsidence, therefore preventive measures such as retaining walls, reshaping, hydrosheeding or turfing, surface and subsurface drainage management should be introduced
19	146	Uva Province	Badulla	Ella	Rawana Ella	Between Heeloya (164/22) and Ella (168/14) railway stations at Ch 166/22 -166/32 (Inikambedda landslide)	6.849490	81.042031	30,000 m <sup>2</sup>	Railway line	Potential	Slope failure	Highly potential location for slope failure, therefore surface and subsurface drainage improvement and toe protection with retaining structures should be introduced
20	147-L1	Uva Province	Badulla	Ella	Madhuragama	Between Ella (168/14) and Demodara (171/47) stations, at Ch 168/14 (Ella Station Landslide)	to be updated	to be updated	to be updated	Railway line	Potential	Cutting failure and slope failure	to be updated
	147-L2	Uva Province	Badulla	Ella	Madhuragama	Between Ella (168/14) and Demodara (171/47) railway stations at Ch 168/55 - 168/60	6.882200	81.048700	2,500 m <sup>2</sup>	Railway line	Potential	Cutting failure and slope failure	Highly potential location for cutting & slope failure, therefore drainage development, benching, reshaping, turfing of slope and soil nailing should be introduced
21	136-L1	Uva Province	Badulla	Haliela	Demodara	Between Ella (168/14) and Demodara (171/47) railway stations at CH 171/02 - 171/06	to be updated	to be updated	to be updated	Railway line	Potential	Slope failure/Cutting Failure	Highly potential location for ground subsidence, therefore surface drainage improvement, toe protection with retaining structures and soft soil improvement, should be introduced
	136-L2	Uva Province	Badulla	Ella	Madhuragama	Between Ella (168/14) and Demodara (171/47) stations, Near 09 arch bridge, at Ch 171/10	6.888653	81.062629	2,000 m <sup>2</sup>	Railway line	Potential	Slope failure	Highly potential location for slope failure, therefore surface and subsurface drainage improvement and toe protection with retaining structures should be introduced
22	024	Uva Province	Badulla	Hali Ela	Uduwara	Between Demodara (171/47) and Haliela (174/05) railway stations, 8 <sup>th</sup> mile post (Uduwara landslide)	6.920246	81.056690	15,000 m <sup>2</sup>	Railway line and 15 houses	Happened	Landslide and slope failure	Highly potential location for landslide and slope failure, therefore preventive measures such as soil nailing, retaining walls, reshaping, hydrosheeding or turfing, surface and subsurface drainage management should be introduced