

Road element	RMG maintenance activity	Amount/pd	Value from Norms ¹ – Amt/pd	Remarks
Road	<ul style="list-style-type: none"> Clearing landslides and obstacles 	3 - 4 m ³	0.6 -1.7 m ³	DoR[9.11] (Soft soil to soft rock covers)
Earthen or gravel surface	<ul style="list-style-type: none"> Repairing ruts, rills, gullies, potholes, corrugations 	10 - 15 m ²	4 m ²	DoR[29.01-maintenance] – for approx. 30 cm depth ruts. Restoration of rain cuts in embankment slope with compaction.
	<ul style="list-style-type: none"> Creating waterbars 	20 - 40 m	17 m	DoLIDAR[5(B)] – for approx. 20x20 cm size
	<ul style="list-style-type: none"> Creating dry stone pitching, stone-paved drifts 	2 - 3 m ²	0.19 m ²	DoLIDAR [48, 49] includes granular bedding & stone pitching with quarry.
	<ul style="list-style-type: none"> Graveling loosely spread 	6 -8 m ²	4.8 m ²	DoLIDAR [26(3-1A-c)] preparing subgrade & gravel laying with compaction; approx. 10 cm thick
Road shoulder	<ul style="list-style-type: none"> Repairing ruts, rills, gullies, potholes 	10 - 15 m ²	4 m ²	DoR[29.01-maintenance] – for approx. 30 cm depth ruts. Restoration of rain cuts in embankment slope with compaction.
	<ul style="list-style-type: none"> Repairing cuts and improving shoulder 	2 - 3 m ³	1.18 m ³	DoR[29.01-maintenance] –Restoration of rain cuts in embankment slope with compaction.
	<ul style="list-style-type: none"> Removing banks 	3 - 4 m ³	2 m ³	DoLIDAR[9(a)]
Drains	<ul style="list-style-type: none"> Clearing drains 	100 - 200 m	None	None
	<ul style="list-style-type: none"> Repairing erosion damage 	2 - 4 m ³	2 m ³	DoLIDAR[11]
	<ul style="list-style-type: none"> Creating earthen drains 	20 - 40 m	14 m	DoLIDAR[5(B)]
	<ul style="list-style-type: none"> Clearing culverts 	1 - 3 units	None	None

¹ Based on DoLIDAR & DoR norms

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Culverts	▪ Repairing backfill over culverts	2 - 3 m ³	4 m ³	DoLIDAR [10] <i>excluding</i> excavation and transportation
	▪ Repairing backfill over culverts	2 - 3 m ³	1.4 m ³	DoLIDAR [10] <i>including</i> excavation and transportation
Bridges	▪ Clearing under bridges	½ - 1 units	None	None
Vegetation	▪ Cutting and clearing vegetation	300-400 m ²	25 m ²	DoLIDAR[1]
Traffic signs and road furniture	▪ Cleaning signs and road furniture	10 units	None	None
	▪ Repairing/replacing signs and road furniture	5 units	3 -8 units	DoR [15.01] Varies from small to large post (single post to double post)
Retaining walls and structures	▪ Clearing weep holes	50 units	None	None
	▪ Creating retaining walls	1 - 1½ m ³	1 m ³ (G/W) 0.33 m ³ (D/W)	G/W –DoR[24.02.04] D/W - DoLIDAR[38.A.a]
	▪ Repairing minor damage	1 - 1½ m ³	1 m ³ (G/W) 0.33 m ³ (D/W)	G/W –DoR[24.02.04] D/W - DoLIDAR[38.A.a]
	▪ Repairing erosion damage	2 - 4 m ³	1.18 m ³	DoR [29.01-maintenance] –Restoration of rain cuts in embankment slope with compaction.
Slopes	▪ Maintaining bioengineering features	50-100 m ²	None	None; especially watering
	▪ Planting bioengineering features	15-25 m ²	20 m ²	DoR[28.08.05] turfing
	▪ Removing hanging rocks	2 - 3 m ²	1.67 -2 m ²	DoLIDAR[5(a&b)] for approx. 1 m depth
	▪ Maintaining side slope by small back cutting	1.4 - 2 m ³	1.67 -2 m ³	DoLIDAR[5(a&b)]