

Routine Maintenance Activities and their frequency with performance index (PI)-BT/Gravel Road

SL No.	Name of item/ Activities	Frequency of operation in a year	PI (max. marks)		Max. Process Time in day's	Interference Standard															
			Plain & Rolling Terrain	Hilly Terrain		Permissible Time Limits for Defect Rectification as per the following Schedule of Key Performance Indicators unless otherwise specified															
						S.No.	Defect	frequency	Activity	Action Taken	Roads										
1	Maintenance of Bituminous surface road and/or gravel road and/or WBM road including filling potholes and patch repairs etc. As per clause 1904, 1906 of the MoRD Specifications (As per Annexure-14.10 of Operation manual)	As and when required	40	30	2	(i)	erosion from original edge (>150 mm)	Monthly	Pothole/Patch Repair	Patch in 2 Days No Tolerance	SH										
										Patch in 2 Days No Tolerance	MDR										
						(ii)	Potholes in greatest concentration with in	Monthly	Pothole/Patch Repair	Patch in 5 Days No Tolerance	ODR/VR										
										No Tolerance : Repair in 2 Days	SH										
										No Tolerance : Repair in 2 Days	MDR										
										No Tolerance : Repair in 5 Days	ODR/VR										
2	Restoration of rain cuts and dressing of side slopes/berms as per clause 102 of the Specification (As per Annexure-14.10 of Operation Manual)	Once generally after rains (In case of areas having rainfall more than 1500 mm per year, as when required).	7	4	5	(i)	Rain Cuts on shoulder (>100 mm)	Monthly	Remove Raincuts from Shoulders	No Tolerance : Repair in 2 Days	SH										
																				No Tolerance : Repair in 2 Days	MDR
																				No Tolerance : Repair in 5 Days	ODR/VR
3	Making up of As and berma/shoulders as per clause 1903 of the (As per Annexure 14.10 of Operation manual)	As and when required	18	12	15	(i)	Edge step Pavement to Shoulder (> 50 mm)	Monthly	filling shoulders	Shoulder built up in 5 Days No Tolerance	SH										
																				Shoulder built up in 5 Days No Tolerance	MDR
						(ii)	Slopes on both sides adjoining road.	Monthly	Repair and Upkeep											Shoulder built up in 5 Days No Tolerance	ODR/VR
																				Carryout necessary repairs to original	SH
										Carryout necessary repairs to original	MDR										
										Carryout necessary repairs to original	ODR/VR										
4	Maintenance of drains as per clause 1907 of the Specifications (As per Annexure 14.10 of Operation manual)	Twice (In case of hill roads as and when required)	3	6	15	(i)	Ditches and Slide Drain	Monthly	Free Running Clear of debris or vegetation	Clean, Clear and remove blockage in 20 days	SH										
																				Clean, Clear and remove blockage in 20 days	MDR
																				Clean, Clear and remove blockage in 20 days	ODR/VR
5	Maintenance of culverts an cause ways as per clause 1908 and 1909 of the MoRD (As per Annexure 14 10 of Operation manual)	Twice (In case of hill roads as and when required)	4	8	10	(i)	Ditches and Slide Culverts	Monthly	Free Running and remove blockage	Clean, Clear and remove blockage in 20 days	SH										
																				Clean, Clear and remove blockage in 20 days	MDR
																				Clean, Clear and remove blockage in 20 days	ODR/VR
6	Maintenance of guard rails and parapet rails as per clause 1911 the MoRD Specification (As per Annexure 14.10 of Operation manual)	Maintenance as and when required. Repairing once in a year	1	1	10	(i)	Guard Rails damaged	Monthly	Damaged Guardrails Replaced	Replaced in 7 Days	SH										
																				Replaced in 7 Days	MDR
																				Replaced in 7 Days	ODR/VR
7	Maintenance of road signs, speed breakers, standing tree adjacent to road wherever required as per clause 1910 of the MORD Specification (As per Annexure- 14.10 of Operation manual)	Maintenance as and when required. Repairing once in every two years	2	3	15	(i)	Traffic Signs and Kilometer markers	Monthly including night time inspection	Replace Absent / Defective Sign	Replaced in 7 Days	SH										
																				Replaced in 10 Days	MDR
						(ii)	Road Marking	Every Months including night time inspection	Wrong Road Markings Replaced											Replaced in 14 Days	ODR/VR
																				Replaced in 30 Days	SH
										Replaced in 40 Days	MDR										
										Replaced in 60 Days	ODR/VR										

8	Maintenance of 200 m and Kilo Meter stones as per clause 1912 the MoRD Specification (As per Annexure 14.10 of Operation manual)	Maintenance as and when required. Repairing once in a year	2	2	15	(i)	Damaged / Missing H.mtr. stone km stone and fifth km stone	Monthly	Missing Stones	Repair & Re Establishment in 30 days	SH
										Repair & Re Establishment in 40 days	MDR
										Repair & Re Establishment in 60 days	ODR/VR
9	Cutting of branches of trees, shrubs and trimming of grass and weeds etc. A per clause 1914 of the MORD Specification (As per	Once generally after rains (In case of areas having rainfall more than	3	4	5	(i)	Road Side visibility (for Road Safety)	Every 3 Months	Cut / removal vegetation	Seasonal	SH
										Seasonal	MDR
										Seasonal	ODR/VR
10	White washing parapets of Works including CD As per Annexure-14.10 of Operation manual)	Twice in a year	2	3	15	(i)	White washing perafet, trees hill side	Every 6 Months	White washing	Seasonal / Two times in a year	All Roads
11	Painting of guard stones	Twice in a year	2	1	10	(i)	Painting in guard stone	Two times every year	Repainting	Seasonal / Two times in a year	All Roads
12	Re-fixing displaced guard stones	Once in a year	1	1	15	(i)	Refixing displaced guard stones	Once a year	Missing guard stone	Refixing in 30 days	All Roads
13	Clearance of land slides and clearance of snow required to keep the road Traffic worthy at all time including rainy/winter season during the maintenance period (opening communication)	Urgent and immediate Process	15	25	Urgent and immediate	(i)	Landslide on road (road close to traffic)	Urgent immediate open for traffic	Clearance land slides	Clearance of slides in 6 hours	SH
										Clearance of slides in 12 hours	MDR
										Clearance of slides in 24 hours	ODR/VR
										(ii)	Snow fall on road (Road close to traffic)
Clearance of slides in 12 hours	MDR										
Clearance of slides in 24 hours	ODR/VR										
14	Emergency Maintenance all the work which is necessary to open the road for safe traffic under opening communication	Urgent and immediate Process	100	100	Urgent and immediate	(i)	Road close for traffic due to damage of R/w and or cut the row surface	urgent immediately open the road for traffic	construction of R/w fitting wire crates and extra H/s	C/o, R/W Raise surface and H/s cutting in 7 days	SH
										C/o, R/W Raise surface and H/s cutting in 10 days	MDR
										C/o, R/W Raise surface and H/s cutting in 15 days	ODR/VR
Total:-			100	100							