

MUNICIPAL CORPORATION OF BHILAI

NIT

जोन क्र. 04 अंतर्गत विभिन्न वार्डों में डामरीकृत मार्गों का पेंच रिपेयरिंग कार्य।

(Estimate based on PWD SOR for ROAD & BUILDING works w.e.f 01/01/2015)

S.N.	PARTICULARS OF ITEMS	Quantity	UOM
1	Excavation in Soil (by Mechanical Means.) Excavation for roadway in soil using mechanical means including loading in tipper for carrying of cut earth to embankment site and unloading with all lifts and lead upto 1000 meters as per relevant clauses of section 300.	1435.31	Cum
2	Granular Sub-base as per Table:- 400-1 .Construction of granular sub-base by providing graded Material, carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface watering, rolling and compacting with vibratory power roller at OMC to achieve the desired density, complete as per clause 401 (A) Plant mix method (with Mechanically crushed stone only) (a) For Lower Sub-base with (i) Grading-III Material	186.56	Cum
3	Wet Mix Macadam (Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density as per clause 406.)	186.56	Cum
4	Prime coat (Providing and applying primer coat with oil based bitumen emulsion (SS-1, grade confirming to IS:8887) on prepared surface of granular Base including clearing of road surface and spraying primer using mechanical means as per clause 502. (i) on WBM/WMM surface @0.85 Kg/sqm.	187.50	Sqm
5	Providing and laying leveling course / profile corrective course with bituminous macadam With minimum 40-60 TPH capacity hot mix plant using crushed aggregates of Grading-1 premixed with bituminous binder @ 3.1% transported to site and laid over a previously prepared surface with paver finisher to the required grade, level and alignment and rolled as per clause-501.6 and 501.7 to achieve the desired compaction complete in all respect and as per relevant clause section 500. (A) With sensor paver finisher	0.94	Cum
6	Tack coat Providing and applying tack coat with bitumen emulsion (RS-1, grade confirming to S:8887) using emulsion pressure distributor on the prepared bituminous/granular surface cleaned with mechanical broom and as per clause 503. (i) Bituminous surface @ 0.25 kg /Sqm	3750.00	Sqm
7	Bituminous Macadam (Providing and laying bituminous macadam as per clause 504 with mixed prepared in minimum 40-60 TPH capacity hot mix plant using crushed aggregates of specified grading premixed with bituminous binder, transported to site, laid over a previously prepared surface with paver finisher to the required. (A) With sensor paver finisher II for Grading-II(19 mm nominal maximum size, bitumen content 3.40%) [Depth (0.06+0.06)/ 2 = 0.060]	93.75	Cum

S.N.	PARTICULERS OF ITEMS	Quantity	UOM
8	Semi-Dense Bituminous Concrete (Providing and laying semidense bituminous concrete with minimum 40-60 TPH capacity using crushed aggregates of specified grading, premixed with bituminous binder @ 4.50 to 5 % of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORT&H specification clause No. 508 complete in all respects) (A) With sensor paver finisher (iii) for Grading II (10 mm nominal size) with bitumen 5.0 %	56.25	Cum
9	Carriage by mechanical transport upto 5 km lead: Earth	1435.31	Cum


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