

**MUNICIPAL CORPORATION BHILAI**  
NIT

पावर हाउस ओवरब्रिज के नीचे सीएसपी कार्यालय के पास बिटुमिन रोड  
संधारण कार्य।

Estimate Based on PWD Road Works W.e.f. 01.01.2015

S. No.	PARTICULARS Item	Quantity	Unit
1	2	7	4
1	Removal of Unserviceable Soil with Disposal up to 1000 meters including loading and unloading	12.00	Cum
2	Transportation of metal i/c loading & unloading For a lead upto 1 Km Beyond 1 Kms. and upto 10 Kms. (Add extra for every 1 Km.)	18.00	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.)	24.00	Cum
4	Prime coat (Providing and applying primer coat with oil based bitumen emulsion (SS-1, grade conforming to IS:8887) on prepared surface of granular Base including clearing of road surface and spraying primer using mechanical means as per clause 502.on WBM/WMM surface @0.85 Kg/sqm.	120.00	Sqm
5	Tack coat Providing and applying tack coat with bitumen emulsion (RS-1, grade conforming to IS:8887) using emulsion pressure distributor on the prepared bituminous/granular surface cleaned with mechanical broom and as per clause 503.Bituminous surface @ 0.25 kg /Sqm	240.00	Sqm
6	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 grade, level and alignment and rolled to achieve the desired compaction)With mechanical paver finisher for Grading-II(19 mm nominal maximum size, bitumen content 3.40%)for Grading-II(19 mm nominal maximum size, bitumen content 3.40%)	6.00	Cum
7	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)With sensor paver finisher for Grading II (10 mm nominal size) with bitumen 5.0 %	6.00	Cum
8	Seal Coat (Providing and laying seal coat for sealing the voids in a bituminous surface laid to the specified levels, grade and cross fall including rolling and finishing using Type A and B seal coats as per clause 511) Type-„A“ (Providing and laying liquid seal coat comprising of an application of a layer of binder followed by a cover of stone chips of 6.7mm size)	120.00	Sqm

कार्यपालन अभियन्ता  
नगर पालिक निगम, मिललाई

सहायक अभियन्ता  
नगर पालिक निगम, मिललाई

उप अभियन्ता  
नगर पालिक निगम, मिललाई