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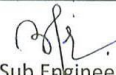
MUNICIPAL CORPORATION BHILAI
NIT

Restoration Work For Reaparing of Raw Water Rising Main

NO.	PARTICULARS OF ITEMS	QTY	UNIT	RATE
1	Dismantling of flexible pavements and disposal of dismantled materials up to a lead of 1000 meters, stacking serviceable and unserviceable materials separately and as per relevant clauses of section-200.			
	Bituminous courses	12.00	CUM	
	B Granular courses	30.00	CUM	
2	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			
		150.00	CUM	
3	Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete.			
		132.00	CUM	
4	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			
	Grading-IV Material	42.00	CUM	
5	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.)			
	on WBM/WMM surface @0.85 Kg/sqm.	18.00	CUM	
6	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.			
	on WBM/WMM surface @0.85 Kg/sqm	60.00	CUM	
7	Tack coat Providing and applying tack coat with bitumen emulsion (RS-1, grade confirming 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	120.00	CUM	
8	Dense Bituminous Macadam (Providing and laying dense bituminous macadam with minimum 40-60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder @ 4.0 to 4.5% by weight of total mix of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No.505 complete in all respects.)			
	for Grading-II(26.5 mm nominal size bitumen content 4.50%)	7.50	CUM	
9	Bituminous Concrete (Providing and laying bituminous concrete with minimum 40-60 TPH capacity hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder @ 5.0 to 6.0% by weight of total mix 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 MORTH specification clause No. 507 complete in all respects)			
	for Grading II (13.2 mm nominal size) with bitumen 6.0 %	2.40	CUM	

Executive Engineer
Municipal Corporation
Bhilai(C.G.)


Assistant Engineer
Municipal Corporation
Bhilai(C.G.)


Sub Engineer
Municipal Corporation
Bhilai(C.G.)