

Sikar -Bikaner Highway Ltd.

Revised Proposal for BC Overlay at NH-24

Bill of Quantity

Sr no.	Description	Unit	Qty	Rate in Rs.	Amount in Rs.
1	Providing and Laying of Micro-Surfacing Type-III, aggregate quantity 16 Kg/sqm , cationic polymerized bitumen emulsion 13% by wt. of dry aggregate, cement 1%-2% by wt of dry aggregate, additive as needed complete as per IRC Specification SP81:2008, MoRTH Clause 514 (8 mm Thickness for more longevity of pavement)	Sqm	2,69,970		-
2	Milling of existing wearing course upto 50mm using fine milling drum and disposal of milled material incl. all leads with suitable place disposal. The rate quoted shall be inclusive of the rebate for the salvage value of the milled material.	Sqm	40,908		-
3	Providing and applying tack coat with bitumen emulsion using emulsion pressure distributor at the rate of 0.25 kg per sqm on the prepared bituminous/granular surface cleaned with mechanical broom.	Sqm	1,17,112		-
4	Providing and laying dense bituminous macadam with batch type HMP producing mix using crushed aggregates of specified grading, premixed with bituminous binder VG 40 (Grading -II- Bituminous binder content as per approved Job mix formula but not lesser than that specified in relevant clause of MoRT&H Specifications) 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 specifications complete in all respects. Item rate shall be inclusive of all material, taxes, duties, manpower, equipment cost, royalties, transportation, etc.	Cum	735		-
5	Providing and laying bituminous concrete with VG-40 with 100-120 TPH batch type hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder @ 5.4 to 5.6 per cent 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/IRC/NHAI specifications complete in all respects. Item rate shall be inclusive of all material, taxes, duties, manpower, equipment cost, royalties, transportation, etc.	Cum	4,096		-
6	Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 .The finished surface to be level, uniform and free from streaks and holes.	Sqm	46,432		-
7	Natural GSB Including material ,transportation,laying,watering and compaction etc.	Cum	3,858		-
8	Crack sealing using emulsion and fine aggregate as per specification.	Sqm	42,810		-
		Rmt	2,760		-
			Total Amount(Rs)		-