BHAWANIGARH - NABHA - GOBINDGARH BOT ROAD PROJECT

BILL OF QUANTITIES

EXECUTION OF MISCELLANEOUS ROAD WORK INCLUDING BITUMENEOUS AND OTHER MISCELLANEOUS ITEMS ON BHAWANIGARH NABHA GOBINDGARH BOT ROAD PROJECT

TENDER NO TCIL/05/343/BNG/2010-3/CIVIL

SN.	Item no.	Description of item	QTY	Unit	Rate (In Rs)		
					In figures	In words	Amount (Rs.)
5	2.04	Construction of earthen shoulder with approved material obtained from selected source complete as per drawing and Technical Specifications Clause 407 with all leads and lifts.	500	Cum			
17	8.02	Providing and fixing PCC/ RCC hectometre, kilometre and 5th kilometer stones including cost of reinforcement complete as per Technical Specification clause 804					
		a) 200-metre stone	60	Nr.			\
		b) Kilometre stone	8	Nr.			
		c) 5th km.stone	1	Nr.			
18	8.03	Providing and laying pavement marking with hot applied thermoplastic material complete as per drawing and Technical Specification clause 803					\
		a) Lane/ Edge marking/ Transverse marking and any other marking	1000	Sqm			
		b) Directional Arrows, Lettering etc, as per drawing No. 61 of MORTH type design for intersection on national highways	20	Sqm			
19	8.04	Providing and laying kerbs painting with ordinary paints grade-I (IS:164) complete as per drawing and Technical Specification clause 803	1000	Sqm			

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SN.	Item no.	Description of item	QTY	Unit	Rate (In Rs)		
					In figures	In words	Amount (Rs.)
20		Providing and laying kerb stones of size 115mm at top and 165mm at bottom total height 325mm made in CC mix M20 fixed with cement mortar 1:2 (1cement : 2 fine sand) provided on 75mm thick PCC M15 bed including necessary excavation disposal of surplus earth all complete as per MORTH specifications. (The kerb stone shall be minimum 225mm above the road level).	100	MTR			
		Providing and laying of chequered precast cement concrete tiles 22mm thick on islands of road junctions jointed with neat cement slurry mixed with pigment to match the shade of the tiles including rubbing and cleaning etc complete on 20mm thick bed of cement concrete 1:4(1Cement : 4 coarse sand)including preparation of CC bed of mix 1:4:8 (1cement:4 coarse sand : 8 graded stone aggregate 20mm nominal size) (a)	100	Sqm			
		Stress Absorbing Membrane (SAM) crack width less than 6 mm *(Providing and laying of a stress absorbing membrane over a cracked road surface, with crack width below 6 mm after cleaning with a mechanical broom, using modified binder complying with clause 521, sprayed at the rate of 9 kg per 10 sqm and spreading 5.6 mm crushed stone aggregates @ 0.11 cum per 10 sqm with hydraulic chip spreader, sweeping the surface for uniform spread of aggregates and surface finished to conform to clause 902.)*	7000	Sqm			

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SN.	Item no.	Description of item	QTY	Unit	Rate (In Rs)		
					In figures	In words	Amount (Rs.)
		Stress Absorbing Membrane (SAM) with crack width 6 mm to 9 mm *(Providing and laying of a stress absorbing membrane over a cracked road surface, with crack width 6 to 9 mm after cleaning with a mechanical broom, using modified binder complying with clause 521, sprayed at the rate of 11 kg per 10 sqm and spreading 11.2 mm crushed stone aggregates @ 0.12 cum per 10 sqm, sweeping the surface for uniform spread of aggregates and surface finished to conform to clause 902.)*	7000	Sqm			
		Seal Coat *(Providing and laying seal coat sealing the voids in a bituminous surface laid to the specified levels, grade and cross fall using Type A and B seal coats)*					
		Case - I : Type A	1000	Sqm			

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SN.	Item no.	Description of item	QTY	Unit	Rate (In Rs)		
					In figures	In words	Amount (Rs.)
		PATCH WORKS The item includes preparation of patch in rectangular/square size by scrapping /cutting of patch by mechanical/manual means , cleaning of surface with brushes ,applying priming coat with emulsion@ 2.5Kg/Sqm including providing and laying of SDBC material with 5% bitumen content rolling with 8 to 10 tonne roller to match with the existing road surface as per MORT'H SPECIFICATIONS 502, 508,	2000	Sqm			
		Dressing of shoulders including clearing and grubbing road land including uprooting rank vegetation grass bushes shrubs wateing rolling and levelling by filling of earth wherever required all complete as per MORTH specifications and as per instructions of Engineer in charge	20000	Mtr.			
		Pruning of trees for making the sight clear on 1.00Mtr shoulder width of the road on both sides of road wherever required . The work involves obtaining of permission from forest authorities	10000	Mtr			
		TOTAL					