

OFFICE OF THE MUNICIPAL CORPORATION, DURG (C.C

Detailed Estimate of BT Renewal Work From jaystambh chowk to hanuman mandir w

		(Based on PWD road SOI						
SN	SOR	Description	NO	L	B	D/H	QTY	Uni
1	3.20	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 leads & lifts as per relevant clauses of section 300.	2.00	280.00	1.20	0.15	100.80	sqr
2	4.10	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. Plant mix method (with Mechanically crushed stone only) For Sub-base cum drainage layer or upper sub-base with						
		Grading- IV Material	2.00	280.00	1.20	0.15	100.80	sqm
3	5.10	Prime coat Providing and applying primer coat with 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.	2.00	280.00	1.20		672.00	sqm
4	5.2	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						
		(ii) Granular surface treated with primes @ 0.30 kg/ Sqm	1.00	280.00	5.50		1540.00	
							1540.00	sqm
5	5.5	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.)						
	B	With mechanical paver finisher						
	ii	for Grading II (26.5 mm nominal size bitumen content 4.50%)	1.00	280.00	5.50	0.05	77.00	
							77.00	cum
4	5.2	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						
		(i) Bituminous surface @ 0.25 kg / Sqm	1.00	280.00	5.50		1540.00	

						1540.00	sqm
6	5.7	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.					
	B	With Mechanical paver					
	ii	for Grading 1(19 mm nominal size aggregate) with CRMB 60-5.5%	1.00	280.00	5.50	0.03	46.20
						46.20	curr
7	8.22	Road Marking with Hot Applied Thermoplastic Compound with Reflectorizing Glass Beads on Bituminous Surface (Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorizing glass beads @ 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35-1997. The finished surface to be level, uniform and free from streaks and holes.)					
			2.00	280.00		0.15	84.00
						84.00	sqm
8	8.49	Providing and fixing Raised Pavement Markers made of polycarbonate ABS moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 16000 Kg tested in accordance to ASTM D 4280 type H and complying to specifications of category A of MORTH(RW/NH-33023/ 10/97-DO III Dtd. 11.06.1997). The pavement markers will be auto moulded by dual polymer shanks and must comply with all the MORTH specifications. The height, width and length shall not exceed 50 mm, 100 mm and 100 mm respectively and with minimum reflective area of 13 Sq.cm, on each side and slope to the base shall be 25 ± 5 degree. The strength of	200				200.00
							each
		Technical Sanctions is here L					Add 18% GST
		Accorded for Rs. 17.81 लाख					

in words Rs. सतरा लाख अठारस हजार के.

Vide estt. No. /TS./

07 Date 01/04/26

Ex. Engineer

Municipal Corporation
DURG (C.G.)

Asst. Engineer

Municipal Corporation
DURG (C.G.)

Sub- En

Municipal C
DURG