

AHMEDABAD MUNICIPAL CORPORATION					
SOR -(Jan- 2021/22) Rate for Road Works					
Sr.	Item Description	Rate	Per	Rate Reference	
				I.Code	P.no.
1	Box cutting the road surface to proper slope and camber for making a base for road work including removing the excavated stuff and depositing on the road side slope as directed upto 50Mt.lead. (EXECUTED WITH MECHANISED EFFORTS / MACHINARY)	67.94	Cmt.	26008	42
2	Conveyance charge of earth, lime, murrum, building rubbish, manure, garbage, sludge, excavated rock, fly ash, aggregates of any kind Including spreading & levelling etc. complete.			Sta.5	5
	a) Lead up to 3 Km.	42.97	Cmt		
	b) Lead up to 4 Km.	50.98	Cmt		
	c)Lead up to 5 Km.	58.71	Cmt		
	d)Lead up to 10 Km.	87.96	Cmt		
	e)Lead up to 15 Km.	117.21	Cmt		
3	Rolling of earthwork in layers with power roller including filling in depressions which occur during the process.	12.50	Cmt	26002A	41
4	Watering of earth work as directed.	5.99	Cmt	26003	41
5	Collecting carting, stacking , spreading and levelling coarse sand in 150 mm thick compacted layer including watering up to OMC ,rolling and consolidation with power roller etc complete as directed.	654.37	Cmt		
6	Construction of granular Sub base by providing coarse graded material , spreading in uniform layers with motor grader on prepared surface mixing by mix in place method with front end loader at OMC and compacting with vibratory roller to achieve the desired density, complete as per Clause 401. For all grade	738.00	Cmt		
	(A) Production & Supply of GSB (Natural)	704.00	Cmt		
	(B) Laying of GSB (Natural)	34.00	Cmt		
7	Construction of granular Sub base using crusher run, spreading in uniform layers with motor grader on prepared surface mixing by mix in place method with front end loader at OMC and compacting with vibratory roller to achieve the desired density, complete as per Clause 401. For all grade	1467.00	Cmt		
	(A) Production & Supply of GSB (Crusher Run)	1437.00	Cmt		
	(B) Laying of GSB (Crusher Run)	30.00	Cmt		
8	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 in sub- base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density as per Codal Provision.	1710.00	cmt		
	(A) Production & Supply of WMM	1675.00	cmt		

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(B)	Laying of WMM	35.00	cmt		
9	Providing and applying primer coat with cationic bitumen emulsion SS1 grade conforming to ASTM GRADE on prepared surface of wet mix macadam including clearing of Wet mix macadam surface with air compressor to remove all loose material other foreign material. The primer shall be sprayed uniformly at the rate of 0.70-1.0 kg/sqm. It shall be applied by a self-propelled or towed bitumen pressure sprayer, equipped for spraying the material uniformly at a specified rate. No dilution or heating at site of RS1 bitumen emulsion shall be permitted.	40.04	Smt		
10	Providing & applying Tack coat with VG-30 Grade bitumen using bitumen pressure distributor at the rate of 0.20-0.30 kg/sqm on the existing bituminous surface cleaned with Air Compressor etc complete. For D.B.M. or B.C.	11.24	Smt		
11	Dense Graded Bituminous Macadam (Providing, Carting and laying of dense bituminous macadam with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder @ min 4.5% by weight of total mix, transporting the hot mix to work site, laying with a self-propelled paving machine equipped with an electronic sensing device to the required grade, level and alignment, rolling with 8-10 tonne static weight or vibratory roller or with a pneumatic tyre roller of 12 to 15 tonne weight to achieve the desired compaction as per approved design mix . for Grading-II (26.5 mm nominal size)	3848.00			
A	Producton of DBM as above (GRADE - II)	3501.00	MT		
B	Carting of DBM from Plant to Paver Site	79.00	MT		
C	Only Laying of DBM using 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. 505 complete in all respects.	268.00	MT		

Sr.	Item Description	Rate	Per	Rate Reference	
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12	Bituminous Concrete (Providing, Carting and laying of bituminous concrete 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 @ min. 5.5 % of mix, transporting the hot mix to work site, laying with a self-propelled paving machine equipped with an electronic sensing device to the required grade, level and alignment, rolling with 8-10 tonne static weight or vibratory roller or with a pneumatic tyre roller of 12 to 15 tonne weight to achieve the desired compaction as per approved design mix. for Grading-II (13.2 mm nominal size)	4361.00	MT		
A	Producton of BC as Above.	4014.00	MT		
B	Carting of BC from Plant to Paver Site.	79.00	MT		
C	Only Laying of BC using 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. 505 complete in all respects.	268.00	MT		
13	Providing and applying tack coat with bitumen emulsion RS1 grade using emulsion pressure distributor at the rate of 0.20 - 0.30 kg per sqm on the prepared bituminous surface cleaned with mechanical Broom / Air Compressor.	10.42	SMT		
14	Providing and laying Asphalt painting on B.T. surface immediately after laying work complete with all respect, using bitumen grade 60/70 (VG-30) @ rate of 5 kg/10 smt by Mechanical sprayer and spreading the stone dust on prepared surface at the rate of 0.03 cum/10 smt. and rolling with smooth wheeled and penumatic roller and brushing etc. comp.	27.90	SMT		
15	Providing and laying Emulsion painting on B.T. surface immediately after laying work complete with all respect, using emulsion RS1 grade @ rate of 5 kg/10 smt by Mechanical sprayer and spreading the stone dust on prepared surface at the rate of 0.03 cum/10 smt. and rolling with smooth wheeled and penumatic roller and brushing etc. comp.	25.83	SMT		
16	Milling the existing bituminous pavement up to a depth of 50 mm by milling machine in a single cutting depth, to make a uniform surface without disturbing the base including diversion of traffic, removing milled materials and disposal of milled material to an approved dumping yard (within 12 km lead) including loading and unloading, all leads and lift, fuel, lubricant charges etc complete. Rate as per Surat Municipal Corporation tender	75.22	Smt		

Sr.	Item Description	Rate	Per	Rate Reference	
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17	Milling the existing bituminous pavement for a depth more than 50 mm but up to 100 mm by milling machine in a single cutting depth to make a uniform surface without disturbing the base including diversion of traffic, removing milled materials and disposal of milled material to an approved dumping yard (within 12 km lead) including loading and unloading, all leads and lift, fuel, lubricant charges etc complete.(For every increase in 10mm milling depth beyond 50mm-the rate will increase Rs.4.99 upto 100mm milling depth on Rs.75.22.) Rate as per Surat Municipal Corporation tender	100.18	Smt		
18	Providing and laying Pavement Quality Concrete (PQC) of M40 grade using Slip Form Paver having electronic Sensor device with 53 grade cement @ 425 kg/cum, coarse and fine aggregate conforming to IS 383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a batching and mixing plant as per approved mix design, transported to site, laid with the slip form paver, spread, compacted and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane (Separation Vapour Breather Membrane), sealant primer, joint sealant, debonding strip, dowel bar, tie rod, admixtures as approved, curing compound, finishing to lines and grades as per drawing. In addition to the ingredients mentioned in clause 600 for preparation of RMC for PQC the contractor shall add Polymer Synthetic Fibres (PSF) as per cluse NO. 602.2.5 Specifications and as directed by Engineer in charge. The rate is inclusive of providing mixing PSF as above. The PQC without fibers shall not be accepted.	7784.00	Cum		
19	Dry Lean Cement Concrete M-15 Sub- base (Construction of dry lean cement concrete Sub- base over a prepared sub grade with coarse and fine aggregate conforming to IS: 383, the size of coarse aggregate not exceeding 25 mm, aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per table 600-1, cement content not to be less than 150 kg/ cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing.)	3016.00	Cum		
20	Supplying of graded hand brocken stone size of 90 mm to 127 mm at site (Rubble or Spoul)	1102.00	Cmt		

Sr.	Item Description	Rate	Per	Rate Reference	
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21	Labour charges for spreading the spouls 127 mm thick layer good earth filling in voids correcting the grade & camber comp. with rolling, watering, incl. preparing the surface by brushing for removing all loose or dirt ect.comp.	30.00	Smt		
22	Supply of graded machine cut black trap stone aggregate (metal) of Sevaliya / Tima or equivalent quality metal of size 25 mm to 40 mm.	1099.00	Cmt		
23	Labour work for spreading the metal 85 mm thick in single layer, incl. providing & applying bitumen for semi grouting 2.5 kgs/sqm. & Providing & spreading the key black trap aggregate of good quality on top at the rate of 0.013 cmt. per sq.m. of size 18 mm passing in 9.5 mm retain rolling with 10 tonne roller etc. comp. as directed.	177.40	Smt		
24	Labour charges for hand laying hotmix material DBM/BC on the road surface in line & level incl. cleaning the surface with air compressor and if require re carting material by JCB at necessary place of work also rolling with 8 - 10 tonnes vibratory roller and Dust spreading on BC after rolling, rate also includes re-carting of Hotmix material from place of Work / AMC store to Location of laying having narrow width like chawls, poles, gamtal roads etc. complete	511.00	MT		

Note:- As per R&B SOR 21-22 Item no-M061, Basic Rate of Bitumen VG- 30 (Bulk) is taken Rs.46,892/- per MT.