

ANNUAL RATE OF ROAD WORKS UNDER R&B DIVISION MORBI.**Schedule-B**

Item. No	Qty	Description	Rate	Per	Amount Rs
1	1	Excavation for foundation including sorting out and stacking of useful material and disposing of the excavated stuff with all lead and lift (A) in Loose or soft soil	122.94	Cum	122.94
2	1	Excavation for foundation including sorting out and stacking of useful material and disposing of the excavated stuff with all lead and lift (B) in Hard soil	157.33	Cum	157.33
3	1	Excavation for foundation including sorting out and stacking of useful material and disposing of the excavated stuff with all lead and lift (C) in Hard Murrum	267.08	Cum	267.08
4	1	Excavation for foundation including sorting out and stacking of useful material and disposing of the excavated stuff with all lead and lift (D) in Soft rock not requiring blasting	278.06	Cum	278.06
5	1	Excavation for foundation including sorting out and stacking of useful material and disposing of the excavated stuff with all lead and lift (E) in Hard Rock	627.47	Cum	627.47
6	1	Providing and laying C.C. 1:4:8 for foundation and plinth using crushed metal, 40mm nominal size including all material & labour, curing etc. complete (including cost of cement) but excluding cost of formwork	2900.03	Cum	2900.03
7	1	using crushed agg., 40mm nominal size including all material & labour, curing etc. complete (including cost of cement) but excluding cost of formwork.	3225.59	Cum	3225.59
8	1	Uncoursed Rubble Masonry with hard stone of approved quality in foundations and plinth in Cement Mortar 1:5 (1-cement : 5-coarse sand including levelling up etc. complete	2628.91	Cum	2628.91
9	1	Uncoursed Rubble Masonry with hard stone of approved quality in foundations and plinth in Cement Mortar 1:6 (1-cement : 6-coarse sand including levelling up etc. complete.	2586.61	Cum	2586.61

Item. No	Qty	Description	Rate	Per	Amount Rs
10	1	1:6 above plinth level & upto floor two level including cost of cement for superstructure	2961.08	Cum	2961.08
11	1	Providing and casting in situ ordinary cement concrete M-150 for coping, over riding returns including formwork curing and finishing complete.	3893.31	Cum	3893.31
12	1	White stone bela masonry in C.M. 1:6 for superstructure including necessary materials & labour curing etc. (including cost of cement)	6479.69	Cum	6479.69
13	1	Supplying of BS Crushed of 40 to 50 mm size on road site as directed with an av. lead of 25.00 Kms. including spreading as directed.	915.29	Cum	915.29
14	1	Supplying of H.B. Metal 40 to 63 mm size on road site as directed with an average lead 25.00 Km. including spreading as directed	759.63	Cum	759.63
15	1	Spreading the stone aggregate of any size / H.B. Metal / quarry spalls etc. on road site as directed	262.24	Cum	262.24
16	1	Providing and casting in situ ordinary C.C. 1:2:4 for abutment / pier / return wall etc. of C.D.& bridges on road with material labour and centering including cost of cement.	4155.3723	Cum	4155.37
17	1	Supplying and stacking BS crushed stone aggregate of hard stone 25 to 40mm size free of this intergraded pieces deleterious and organic matter and grading as per IRC code on quarry site including loading etc.	792.09	Cum	792.09
18	1	Supplying of graded stone aggregate of following sizes (for W.B.M. Road)(3) Crushed stone aggregate for Hard Quality up to 63 mm size	747.64	Cum	747.64
19	1	Supplying and stacking BS crushed stone aggregate of hard stone 12 to 20mm size free of this intergraded pieces deleterious and organic matter and grading as per IRC code on quarry site including loading etc.	825.18	Cum	825.18
20	1	Supplying and stacking BS crushed stone aggregate of hard stone 10 to 12mm size free of this intergraded pieces deleterious and organic matter and grading as per IRC code on quarry site including loading etc.	672.94	Cum	672.94

Item. No	Qty	Description	Rate	Per	Amount Rs
21	1	Supplying and stacking BS crushed stone aggregate of hard stone 6mm grit size free of this intergraded pieces deleterious and organic matter and grading as per IRC code on quarry site including loading etc.	562.34	Cum	562.34
22	1	Supplying and stacking coarse , clean sharp sand on river and on quarry site including loading etc.	934.80	Cum	934.80
23	1	Supplying and stacking hard murrum 50 to 150 mm on quarry site including loading etc.	244.94	Cum	244.94
24	1	Supplying and stacking soft murrum on quarry site including loading etc.	201.67	Cum	201.67
25	1	Supplying and stacking Black Stone (Rubble) on quarry site including loading etc.	615.66	Cum	615.66
26	1	Supplying and quarry spalls on quarry site including loading etc.	401.44	Cum	401.44
27	1	Providing & laying weep hole in Abutments, and returns by using A.C. pipe of 100mm including laying in proper grede and jointing the completed as per detailed specification.	86.70	Each	86.70
28	1	Providing and supplying evenly priming / tack coat with bitumen @ rate of 10 Kg/ Sq.M. (including heating the bitumen but excluding the cost of bitumen)			
		[A] 10 Kg. / Sqm.	7.02	sqm	7.02
		[B] 5Kg. / Sqm.	3.51	sqm	3.51
		[C] 2.5Kg. / Sqm.	1.76	sqm	1.76
29	1	Cleaning the ground for helipad by cutting grass and small big plants brooms etc. as directed.	11.85	sqm	11.85
30	1	Providing 15mm thick dry stone pitching using black stone of approved quality with average 10 cm thick murrum bedding on road including labour materials.	344.46	SQM	344.46
31	1	22.50 cm thick dry stone pitching with murrum bedding on road including labour materials	492.82	SQM	492.82
32	1	20.0 cm thick dry stone pitching with murrum bedding on road including labour materials.	534.00	SQM	534.00

Item. No	Qty	Description	Rate	Per	Amount Rs
33	1	Providing rubble filling in scouring, portion at C.D. works including all labour and materials etc. complete	221.45	Cum	221.45
34	1	Providing parapet of ordinary cement concrete M-150 as per detailed drawings with necessary reinforcement including, shuttering, laying vibrating and finishing to line and level complete. (ii) Cast in situ.	1013.60	Cum	1013.60
35	1	Repairs to existing damage RCC parapet on road by adopting the original design, using necessary steel, centering, shuttering, laying, vibrating, curing with all labour and material (including cost of cement)	1235.11	Cum	1235.11
36	1	Providing new R.C.C. parapet in C.C. 1:2:4 by vertical column cast in situ and horizontal beam of precast with curbing as per detail drawing using steel as per design centering, curing etc. complete. (including cost of cement)	1497.92	Cum	1497.92
37	1	Repairs to disturb pitching on road side by removing and using necessary new materials etc. complete.	211.29	sqmt	211.29
38	1	Labour charges for dry stone pitching 15 cm. thick including preparing the surface.	227.16	Sqm	227.16
39	1	Guniting concrete surface with cement mortar applied with compressor after cleaning surface and spraying with epoxy complete as per Technical specification	775.68	Sqm	775.68
40	1	Providing and inserting nipples with approved fixing compound after drilling holes for grouting as per Technical specifications including subsequent cutting/removal and sealing of the hole as necessary of nipples after completion of grouting with Cement/Epoxy	502.98	each	502.98

Item. No	Qty	Description	Rate	Per	Amount Rs
41	1	Supplying and fixing reinforced concrete heavy duty non-pressure pipes with collars for culverts carrying heavy traffic as per IS 458-1991 specifications including setting the pipes in C.M. 1:2 watering and laying (to level or slopes) of class NP3 of following internal daimeters.(i) 300mm dia.	659.99	Rmt	659.99
42	1	pressure pipes with collars for culverts carrying heavy traffic as per IS 458-1991 specifications including setting the pipes in C.M. 1:2 watering and laying (to level or slopes) of class NP3 of following internal daimeters.(i) 600mm dia.	1968.38	Rmt	1968.38
43	1	pressure pipes with collars for culverts carrying heavy traffic as per IS 458-1991 specifications including setting the pipes in C.M. 1:2 watering and laying (to level or slopes) of class NP3 of following internal daimeters.(i) 900mm dia.	3469.2591	Rmt	3469.26
		(SOR P. 200/ 26089EA)			
44	1	Supplying and fixing reinforced concrete heavy duty non- pressure pipes with collars for culverts carrying heavy traffic as per IS 458-1991 specifications including setting the pipes in C.M. 1:2 watering and laying (to level or slopes) of class NP3 of following internal daimeters.(i) 1200mm dia.	5560.01	Rmt	5560.01
45	1	Scrapping of weak damage cement plaster upto 10.00 mt ht for C.D. works including centering and scaffolding etc. complete.	19.89	Sqm	19.89
46	1	Providing cement plastering in C.M. 1:3 for CD works upto 10.00 mt height (including cost of cement) including necessary material, labour and curing etc. complete	230.50	Sqm	230.50
47	1	Earthwork for embankment including breaking clods dressing for road work in line and leveling with all labour etc. complete excluding rolling and watering.	163.69	Cum	163.69
48	1	Sealing of cracks/porous concrete by injection process through nipples/Grouting complete as per Technical specification.(A) Cement Grout	82.82	kg	82.82

Item. No	Qty	Description	Rate	Per	Amount Rs
49	1	Pointing on Uncoursed stone masonry with cement mortar 1:3 (1-cement : 3-coarse sand) (A) Flush pointing	104.57	Sqm	104.57
50	1	Cement pointing to white stone bela masonry in C.M. 1:3 as directed. (including cost of cement) (A) Flush Pointing)	87.53	Sqm	87.53
51	1	Leveling the side shoulders or road on both side with the front side bucket mounted Tractor with machineries, fuel etc. complete	353.5	Hours	353.50
52	1	Repairing GI pipe reailing by Providing new galvanized mild steel tube of 40 mm dia with one coat of primer and two coats of anemall paints with material and labour etc. complete	443.13	Sqmt	443.13
53	1	Filling the debris and manure etc. in contractor's own tractor and disposing off the same as directed	404.00	Cum	404.00
54	1	Clearing the road side by removing the trees which is falled down on road side during the cyclone or monsoon rain fall with all labour etc. complete			
		up to 0.30 Mt. dia	505.00	No	505.00
		above 0.30 Mt. dia	1010.00	No	1010.00
55	1	Providing and casting in situ ordinary cement concrete M-200 for R.C.C. Jacketing as per drawing including centering, shuttering, scaffolding where necessary laying, vibrating curing and finishing etc. complete.	6135.56	Cum	6135.56
56	1	Clearing the waterway of C.D. works upstream and downstream side by removing the obstructing grass, brooms, small tress etc. and making waterway clear.	35.35	SQM	35.35
57	1	Earthwork in cutting in all sorts of soil and soft murrum including conveying and spreading the stuff, embankment as and where directed within 200meters from the end of the cutting with all required lead and lift.	134.47	Cum	134.47
58	1	Engaging the JCB for the different type of work on road side with machineries, oil, fuel, driver etc. complete	808.00	Hour	808.00

Item. No	Qty	Description	Rate	Per	Amount Rs
59	1	Clearing the road side by removing the trees which is falled down on road side during the cyclone or monsoon rain fall with all labour etc. complete	707.00	No	707.00
60	1	Providing and Filling in scoured position of CD work end portion with soft murrum as directed with average 2.5 Km. lead including cost of material and labour.	311.32	Cum	311.32
61	1	Spreading blindage or road crust filling the gaps in metal and leveling to camber and gradient as directed.(ii) Sand	154.84	Sqmt	154.84
62	1	Providing and casting in situ ordinary cement concrete M-200 for average 75 mm thick wearing coat laid as directed including tamping ,vibrating, finishing, curing and filling in joints with bitumen complete.	4338.66	Cum	4338.66
63	1	Providing TMT Bar FE 500D reinforcement for R.C.C. work including bending, binding and placing in position complete upto floor two level	77.29	Kg	77.29
64	1	Engaging tractor for side borms cutting and dressing as directed including cost of driver, diesel necessary cutting and dressing equipment etc. complete as directed.	303.00	Hour	303.00
65	1	Rolling and consolidation of soling including filling in depression which occur during the process, with power roler 8 tonne to 12 tonne.	22.75	Sqm	22.75
66	1	Providing heavy road roller of 8 to 10 M.T. wt with heavy license driver / operator for rolling work of asphalt, earth work, metalling work with necessary fuel and oil as directed.	1986.67	Hour	1986.67
67	1	Providing mechanical crane (On hire charges) of 3.00 M.T. weight lifting capacity on stated road site including necessary fuel, oil, grease and driver / operator for carry out work as directed (including crane)	1042.32	Hour	1042.32
68	1	Providing mechanical crane (On hire charges) of 35.00 M.T. weight lifting capacity on stated road site including necessary fuel, oil, grease and driver / operator for carry out work as directed (including crane)	2302.80	Hour	2302.80

Item. No	Qty	Description	Rate	Per	Amount Rs
69	1	Water Bound Macadam (Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with vibratory roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening/ binding Materials to fill up the interstices of coarse aggregate, watering and compacting to the required density.) (By Manual Means)	1497.85	Cum	1497.85
70	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.	109.24	cum	109.24
71	1	Loading and unloading the debris from ground and disposing away from Nagar Palika Limit by own vehicle as directed.	2525.00	Day	2525.00
72	1	Supplying of potable water in own tanker on road site or helipad site as directed.			
		(i) 3000 Liter Capacity	1010.00	Trip.	1010.00
		(ii) 10000 Liter Capacity	3535.00	Trip.	3535.00
		(iii) 15000 Liter Capacity	5050.00	Trip.	5050.00
73	1	Supplying & stacking hard murrum natural GSB materials 50mm to 150mm size on quarry site.	145.08	Cum	145.08
74	1	Providing and fixing Pre-Cast Rubber dye Inter locking concrete Block 60mm thick with grade of concrete M-200 pneumatic compressed by mechanically pressed and as per approved design including 75mm sand layer for levelling and filling the joint with sand in proper line and level.	565.60	sqm	565.60
75	1	Providing and fixing Pre-Cast Rubber dye inter locking concrete Block 60mm thick with grade of concrete M-250 pneumatic compressed by mechanically pressed and as per approved design including 75mm sand layer for levelling and filling the joint with sand in proper line and level.	656.50	sqm	656.50
76	1	Clearing and grubbing road land including uprooting rank vegetation grass bushes, shrubs, sapling and trees girth up to 300 mm removal of stumps of trees cut earlier and disposal of unserviceable materials (C) By mechanical means in area of light jungle	28455.09	Hect	28455.09

Item. No	Qty	Description	Rate	Per	Amount Rs
77	1	Planting tree by the road side (avenue tree) in 0.60 mt. dia holes, 1.00 mt. deep dug in the ground the soil with delayed the farm yard / slug manure planting the sampling, back filling the wtering fixing the tree guard and maintain the plant for one year (Without tree guard amount)	497.41	Tree	497.41
78	1	Removing and scraping of old deteriorated Plaster of any thickness from wall / RCC member including stacking of serviceable material and disposal of unserviceable from site of work with all lead.	19.89	Sqmt	19.89
79	1	Providing 10mm thick cement plaster in single coat on brick/concrete walls for interior plastering upto floor two level and finished even and smooth in (i)Cement mortar 1:3 (1-cement:3-sand)	135.47	Sqmt	135.47
80	1	Wall painting (two coats) with plastic emulsion paint of approved brand and manufacture on undecorated wall surface to give an even shade including throughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth.	84.37	Sqmt	84.37
81	1	Providing and casting in situ ordinary cement concrete M-200 for R.C.C. works in pier cap abutment cap and dirt wall including controlled cement concrete M-250 Bed block or pedestal or required size below bearings as per detailed drawings, centering, shuttering, scaffolding, wherever necessary, laying vibrating curing and finishing complete.	4796.84	Sqmt	4796.84

I / we am/ are willing to carryout the rate at ____ % (in figures)_____the estimated rates mentioned above in column No.4

Note :-

- 1 Testing of materials Charge paid by Contractor**
- 2 Samples to be sent by contractor to GERI.**

Executive Engineer
Road & Building Division
Morbi