

BRIHANMUMBAI MUNICIPAL CORPORATION

Sub:- Resurfacing of various roads in S & T Wards of Eastern Suburbs								
<u>COMBINED BOQ</u>						Ward: S & T		
Sr. No.	Item	Description	Quantity S Ward	Quantity T Ward	Total Qty S & T	Rate	Unit	Amount
1	R2-CS-EW-16	Excavation over areas for basements, roads, land/plot development in soft/	6836.90	2042.00	8878.90	343	CuM	3045462.70
2	R2-RW-3-22	Removing the paver blocks of any thickness, size, & colour from carriage way OR footpath	2100.00	2175.00	4275.00	157	SqM	671175.00
3	R2-RW-7-09	Milling upto 60mm depth Asphaltic surface by using milling machine including	132538.00	40055.00	172593.00	77	Sq.m	13289661.00
4	R2-RW-2-20	Providing & laying, spreading & compacting graded crushed stone aggregate (20% of Entire Carriageway provisional)	2145.57	1021.00	3166.57	2937	CuM	9300216.09
5	R2-RW-5-20	Providing and applying PRIME COAT with CATIONIC BITUMEN EMULSION	13469.80	31843.00	45312.80	57	SqM	2582829.60
6	R2-RW-5-23	Providing and applying TACK COAT with CATIONIC BITUMEN EMULSION	74083.90	35243.00	109326.90	33	SqM	3607787.70
7	R2-RW-5-25	Providing and applying TACK COAT with CATIONIC BITUMEN EMULSION	74083.90	35243.00	109326.90	35	Sqm	3826441.50
8	R2-RW-5-48	P/L hot Premix Dense bituminous macadam with 4.50% bitumen content of grade 60-70	74083.90	35243.00	109326.90	440	Sqm	48103836.00
9	R2-RW-5-50	P/L hot Premix Dense bituminous macadam with 4.50% bitumen content of grade VG-30 (Provisional 20% of entire carriageway for profile correction)	673.49	511.00	1184.49	8797	Cum	10419958.53
10	R2-RW-5-04-A	P/L MINIMUM 30 mm hot Premix Bituminous Concrete with 6.00 % BITUMEN	66269.00	31843.00	98112.00	334	Sqm	32769408.00
11	R2-RW-4-02	Removing & resetting kerb stones in 1:2 C.M. on new R.M.C. M-20 C.C. bed 15 cm, (20% of length)	2079.60	577.00	2656.60	351	Rmt	932466.60
12	R2-RW-4-07	Removing & resetting water tables 30 cm. wide on a new M-20 cementconcrete bed 15 (70% of length)	4852.40	4036.00	8888.40	398	Rmt	3537583.20
13	R2-RW-10-50	Providing and fixing of cement concrete Kerb Stone of various grades of size: 500mm (30% of length)	2079.60	577.00	2656.60	1116	Rmt	2964765.60
14	R2-RW-10-51	Providing and fixing of Water Dished Channel size : 600 x 300 x 80mm, M-40 grade (30% of length)	2079.60	1730.00	3809.60	799	Rmt	3043870.40
15	R2-RW-6-05	Raising or lowering rectangular manholes to there quired level upto 30cm. Including all	242.00	56.00	298.00	2297	EACH	684506.00
16	R2-RW-6-03	Raising or lowering circular manholes to the required level upto 20 cm including all	242.00	133.00	375.00	1151	Each	431625.00
17	R2-RW-7-17	Providing and applying Yellow & Black road marking paint Grade- I in 3 coats, including	13864.00	5336.00	19200.00	50	Rmt.	960000.00
18	R2-RW-10-52	Providing & fixing pre-cast concrete header for Paver Blocks on road M-50 grade pimple	12.00	20.00	32.00	1157	Rmt.	37024.00
19	R2-RW-3-13	Removing & refixing interlocking concrete pavers of 80 mm thick, of any size, shape and (50 % of total Area)	0.00	1088.00	1088.00	225	Sq.m	244800.00
20	R2-RW-3-15	Providing & Fixing 80 mm thick unishape grey cement concrete interlocking pavers in (50 % of total Area)	0.00	1088.00	1088.00	927	Sq.m	1008576.00
21	R2-RW-3-21	Removing & refixing interlocking concrete pavers of 100 mm thick, of any size, shape						

		(50 % of total Area)	0.00	1088.00	1088.00	251	Sq.m	273088.00
22	R2-RW-3-19	Providing & fixing in the carriageway 100 mm thick interlocking concrete unishape						
		(50 % of total Area)	1020.00	1088.00	2108.00	1054	Sq.m	2221832.00
23	R2-RW-1-13	Levelling, watering & rolling by vibratory roller weighing not less than 10 tonnes & (For paver block roads)	1020	8551.00	9571.00	9.8251	SqM	94036.41
24	R2-RW-5-64	P/L, mastic asphalt 40mm thick with 10/20 grade bitumen including producing the same (Provisional Qauntity)	7916.9	3400.00	11316.90	1571	SqM	17778849.90
25	R2-RW-7-08	Breaking & removing existing cement concrete slab over culvert coping etc., by (Provisional 10% of existing SWD)	0	0.00	0.00	1315	CuM	0.00
26	R2-CS-CW-35-c	Thermo-Mechanically Treated steel bars. (Fe 500 D) (Provisional 10% of existing SWD + for installation of new frame covers)	0	0.00	0.00	76770	MT	0.00
27	R2-RW-10-29	P/L R.M.C.M-20 C.C.having avg. compressive strength 24 Mpa procured from (Provisional 10% of existing SWD wall & slab) (Footpath with exsiting Laq. Paver for stencile Concrete)	0	0.00	0.00	7055	CuM	0.00
28	R2-RW-10-33	Providing & laying M-40 C.C.avg. compressive strength 45 MPa and (Provisional 10% of existing SWD wall & slab) (Footpath with exsiting Laq. Paver for stencile Concrete)	0	0.00	0.00	7968	CuM	0.00
29	R2-RW-7-32	Providing and placing in position, levelling, fixing M 25 Grade R.C.C. pre-cast frame of (Provisonal 10 % or as per site conditions)	0	0.00	0.00	2896	Set	0.00
30	R2-RW-7-33	Providing placing in position, levelling, fixing M 25 Grade R.C.C. pre cast frame of (Provisonal 10 % or as per site conditions)	0	0.00	0.00	2235	Set	0.00
31	R2-RW-7-46	Supplying and fixing 600 mm x 900 mm clear opening composite resin manhole cover (As per site condition if relevant item R.C.C. frame cover not possible to operate)	0	0.00	0.00	17543	No	0.00
32	R2-RW-7-47	Supplying and fixing 900 mm x 900 mm clear opening composite resin manhole cover (As per site condition if relevant item R.C.C. frame cover not possible to operate)	0	0.00	0.00	23216	No	0.00
33	R2-CS-RF-7-B-FAIR	Leak-proof Shuttering for Encasement: Providing, fabricating & fixing the leak-proof (Provisonal 10 % or as per site conditions)	0	5.00	5.00	558	SqM	2790.00
34	R2-CS-RF-7-C-FAIR	Leak-proof Shuttering for Encasement: Providing, fabricating & fixing the leak-proof (Provisonal 10 % or as per site conditions)	0	0.00	0.00	568	SqM	0.00
35	R2-RW-10-63	Extra Over item of stencil concrete above M-20 in footpath. Providing, applying and (10% Provisional or if pssoble to operate for entire road as per site condition)	0	0.00	0.00	436	SqM	0.00
36	R2-RW-8-03	P/L 300mm dia. R.C.C. hume pipes, NP2 class, jointing, filletting in 1:1 C.M., (Provisonal 10 % or as per site conditions)	0	35.00	35.00	796	Rmt	27860.00
37	R2 -RT-16-32	Providing and applying hot applied thermoplastic road marking material with (Paver block Road)	68.00	196.00	264.00	727	Sqm.	191928.00

38	R2-RT-16-33	Providing and applying hot applied thermoplastic road marking material with (Asphalt road)	2596.80	2087.00	4683.80	662	Sqm.	3100675.60
39	R2-SE-10-3	Supplying and fixing 0.56M dia C.I. Circular extra heavy duty (EHD) air tight frame and (Provisional One for each road)	35.00	30.00	65.00	29935	NOS	1945775.00
40	R2-SWD-148	Supplying and fixing 0.90m x 0.60m internal size of rectangular C.I. air-tight cover and (Provisional One for each road)	35.00	22.00	57.00	31371	Nos.	1788147.00
							Total=	168886974.83
							Say	168886975.00