

BRIHNMUMBAI MUNICIPAL CORPORATION

Combine BOQ

Name of the work:- AW - 238 :- Resurfacing of Various Roads in Zone-III of Western Suburbs Division.

Sr no	Item	Description	Quantity			Total Quantity	Rate	Unit	Amount
			H/E	H/W	K/E				
1	R2-CS-EW-3	Excavation for foundation, substructures, basements, tanks, sumps, walls, chambers, manholes, trenches, poles, pits&general building	0.00	54	244.00	298.00	500.00	Cubic Meter	149000.00
2	R2-CS-CW-35-c	Providing and fixing in position Steel bars reinforcement of various diameters for R.C.C. pile, pile caps, footings,raft,retaining wall,shear	0.00	3.5	0.00	3.50	76770.00	M.T.	268695.00
3	R2-CS-RF-7-B	Providing, fabricating & fixing the leak-proof shuttering made with marine plywood /M.S.Sheets with proper supports at all locations for all	0.00	0	0.00	0.00	558.00	Square Meter	0.00
4	R2-CS-RF-7-F	Providing, fabricating & fixing the leak-proof shuttering made with marine plywood /M.S.Sheets with proper supports at all locations for all	0.00	0	0.00	0.00	483	Square Meter	0.00
5	R2-RW-7-32	Providing and placing in position, levelling, fixing M 25 Grade R.C.C. pre-cast frame of size 1150 x 1150 x 150 mm and cover (2 Nos) of size	0.00	0	0.00	0.00	2896.00	Set	0.00
6	R2-RW-10-51	Providing and fixing of Water Dished Channel size: 600 x 300 x 80 mm, M-40 grade manufactured in vacuum wet press technology plant with	1586.00	2794	2982.00	7362.00	799.00	Meter	5882238.00
7	R2-RW-8-02	P/L 250 mm dia. R.C.C. humepipes, NP2 class, jointing, filletting in:1.C.M.,including plugging of both the ends with gunny bags, brick	0.00	0	0.00	0.00	640.00	Running Meter	0.00
8	R2-CS-EW-16	Excavation over areas for basements, roads, land/plot development in soft/ disintegrated rock, sand stone, stiff clay, gravel, cobblestone, hard	674.00	160	576.00	1410.00	343.00	Cubic Meter	483630.00
9	R2-RW-1-13	Levelling, watering & rolling by vibratory roller weighing not less than 10 tonnes & preparing the ground to the required grade & camber etc.	7417.00	0	0.00	7417.00	9.83	Square Meter	72909.11
10	R2-RW-2-21	Providing & laying, spreading & compacting specified crushed stone in granular subbase course including premixing the material in	90.00	70	320.00	480.00	2547.00	Cubic Meter	1222560.00
11	R2-RW-2-20	Providing & laying, spreading & compacting graded crushed stone aggregate to wet mix macadam satisfaction including premixing the	240.00	1160	620.00	2020.00	2937.00	Cubic Meter	5932740.00
12	R2-RW-5-20	Providing and applying PRIME COAT with CATIONIC BITUMEN EMULSION (SS) @ 7 to 12Kg. of 10 Sqmt. over prepared surface to	9292.00	11820	25231.00	46343.00	57.00	Square Meter	2641551.00
13	R2-RW-5-23	Providing and applying TACK COAT with CATIONIC BITUMEN EMULSION (RS) @ 0.2 to 0.25Kg. of Sq.mt. over prepared surface to	9292.00	11820	25231.00	46343.00	33.00	Square Meter	1529319.00
14	R2-RW-5-25	Providing and applying TACK COAT with CATIONIC BITUMEN EMULSION (RS) @ 0.25 to 0.30 Kg. of Sq.mt. over prepared surface to	9292.00	11820	25231.00	46343.00	35.00	Square Meter	1622005.00
15	R2-RW-5-46	P/L hot Premix Dense bituminous macadam with 4.50%bitumen content of grade VG-40 to the required line,level,and camber rolling with	46.00	14	133.00	193.00	9008.00	Cubic Meter	1738544.00
16	R2-RW-5-54	P/L premix hot mix Bituminous concrete with 6.00% of VG-40 grade bitumen content by weight of mix surface coat to compacted to required	373.00	464	1017.00	1854.00	11261.00	Cubic Meter	20877894.00
17	R2-RW-5-44	P/L hot PremixDense bituminous macadam with 4.50%bitumen content of grade VG-40 to the required line,level,and camber rolling with	9292.00	11807	25231.00	46330.00	450.00	Square Meter	20848500.00
18	R2-RW-6-03	Raising or lowering circular manholes to the required level upto 20cm. Including all material, form work etc.with 16cm.thick cement concrete	16.00	35	75.00	126.00	1151.00	Each	145026.00
19	R2-RW-6-04	Raising or lowering water entrances ,hydrant key box/sluicebox/gully trap chambers to the required level,upto20cm.including all	7.00	35	15.00	57.00	801.00	Each	45657.00
20	R2-RW-6-05	Raising or lowering rectangular manholes to the required level upto 30cm. Including all materials, form work, brick work and with 16	14.00	70	30.00	114.00	2297.00	Each	261858.00
21	R2-RW-6-06	Removing the old C.I. curicular frame & cover & delivering the same to any Municipal depot or workshop, as directed.	14.00	64	30.00	108.00	147.00	Each	15876.00
22	R2-RW-7-01	Removing & refixing traffic regulatory boards/bus stop boards/street name boards etc. in M-100 cement concrete, complete as directed.	5.00	19	19.00	43.00	881.00	Each	37883.00
23	R2-RW-7-29	Excavation and dismantling of structures on roadway, shifting and relocating of essential utilities, street poles, signals road sign boards	4.00	8	16.00	28.00	1229.00	Nos	34412.00
24	R2-RW-7-31	Excavation and dismantling of structures on roadway, shifting and relocating of essential utilities, street poles, signals road sign boards	4.00	8	16.00	28.00	327.00	Nos	9156.00
25	R2-HE-7-2-a	---Do-----15 mm dia.	220.00	490	790.00	1500.00	168.00	Running Meter	252000.00
26	R2-HE-7-2-b	---Do-----20 mm dia.	180.00	410	650.00	1240.00	174.00	Running Meter	215760.00
27	R2-HE-7-2-c	---Do-----25 mm dia.	180.00	410	650.00	1240.00	265.00	Running Meter	328600.00
28	R2-HE-7-2-d	---Do-----32 mm dia.	180.00	410	650.00	1240.00	316.00	Running Meter	391840.00
29	R2-HE-7-2-e	---Do-----40 mm dia.	180.00	410	650.00	1240.00	388.00	Running Meter	481120.00
30	R2-HE-7-2-f	---Do-----50 mm dia.	180.00	410	650.00	1240.00	481.00	Running Meter	596440.00
31	R2-CS-PS-90-a	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc 15 mm dia	220.00	490	790.00	1500.00	199.00	Running Meter	298500.00
32	R2-RT-16-33	Providing and applying hot applied thermoplastic road marking material with glass beads extremely high skid resistance 2.5mm thick	2275.00	1170	1905.00	5350.00	662.00	Square Meter	3541700.00
33	R2-RT-16-07	Arrow marking for Route direction straight or right or left or straight & right or straight or left & lettering as per design in white or traffic yellow	10.00	22	36.00	68.00	1241.00	Nos	84388.00
34	R2-RT-16-08	Street Name Board without sign board: Providing, fabricating and erecting on site Street Name Board (of type 2S-A-1) as per the design	8.00	14	30.00	52.00	22712.00	Nos	1181024.00
35	R2-RT-16-15	Junction Name Board : Providing, fixing and erecting on site Junction Name Board / Chowk (of type 2S-D), as per the design incorporated in	8.00	3	0.00	11.00	35459.00	Nos	390049.00
36	R2-RT-16-18	Direction - Board - Providing, Fabricating, Erecting on site Direction Board (of type 3SA2)(small-2) As per the design incorporated in the	4.00	7	15.00	26.00	37751.00	Nos	981526.00
37	R2-RT-16-25	Mandatory & Cautionary Board - Providing, Fabricating, Erecting on site Mandatory & Cautionary Boards (of type 1S-A-1). As per the design	8.00	19	29.00	56.00	6469.00	Nos	362264.00
38	R2-RT-16-27	TRIANGULAR BOARD - Providing, Fabricating, Erecting on site Mandatory Boards (of type 1S-A-1.1). As per the design incorporated in	5.00	12	19.00	36.00	12031.00	Nos	433116.00

39	R2-SE-10-3	Supplying and fixing 0.56 M dia C.I. Circular extra heavy duty (EHD) air tight frame and cover weighing minimum 230kg fixed complete to	8.00	35	30.00	73.00	29935.00	Each	2185255.00
40	R2-SWD-36	Cutting down completely RCC slab, walls, beams, columns, arches, piles, pile caps of any thickness and or size of any height / depth by any	0.00	0	0.00	0.00	1588.00	Cubic Meter	0.00
41	R2-RW-10-63	Extra Over item of stencil concrete above M-20 in footpath Providing, applying and finishing the top surface of M-20 concrete with stamp/	0.00	0	0.00	0.00	436.00	Square Meter	0.00
42	R2-RW-7-17	Providing applying Yellow & Black road marking paint grade-I in 3-coats including single coat of approved brand primer after cleaning of	899.00	0	0.00	899.00	50.00	Running Meter	44950.00
43	R2-SWD-57	Providing 12 mm thick cement plaster in cement mortar 1:2 including neat cement rendering with approved water proofing compound (with a	0.00	175	150.00	325.00	271.00	Square Meter	88075.00
44	R2-SWD-58	Providing 20 mm thick cement plaster in cement mortar 1:2 including neat cement rendering (without water proofing compound) as specified	0.00	175	150.00	325.00	376.00	Square Meter	122200.00
45	R2-RT-16-34	Supplying/ fixing of Two Way Raised Pavement Markers made of polycarbonate moulded body and reflective panels with micro prismatic	1350.00	1800	2745.00	5895.00	427.00	Each	2517165.00
46	R2-SWD-30	Providing and placing in position controlled Ready Mix Concrete of M-25 grade in walls, deck slab above or below ground level at any	0.00	0	15.00	15.00	8735.00	Cubic Meter	131025.00
47	R2-SWD-179	Providing & placing in position controlled Ready Mix Concrete of grade M-40 in walls and deck slab above or below ground level at any height	2.00	12,048	0.00	14.05	9569.00	Cubic Meter	134425.31
48	R2-RW-10-37	Providing and fixing of the precast TREE GUARD KERB of M-20 C.C. of height 230mm., width 100mm., Length 400mm., finished neatly,	84.00	147	315.00	546.00	471.07	Running Meter	257204.22
49	R2-SWD-142	Constructing single water entrance of internal size 0.50m x 0.60m with cast-in-situ coping in M-20 grade, fixing of grating in M-20 as per	20.00	175	58.00	253.00	11641.00	Each	2945173.00
50	R2-SWD-175-A	Providing & Fixing 0.60m X 0.50m clear internal size of DI hinged type grating and frame (weighing minimum 80 kg) with grade designation of	4.00	231	77.00	312.00	14786.00	Each	4613232.00
51	R2-RW-10-50	Providing and fixing of cement concrete KerbStone of various grades of size: 500mm width x 325 height x 165mm thick (HalfBatter, BullNose /	0.00	0	0.00	0.00	1,116.00	Running Meter	0.00
52	R2-RT-16-14	Circular Steel Bollards : Providing, fabricating and fixing circular Steel Bollards of 100mm dia circular Steel Pipe (of type 3F-A-1) as per the	0.00	0	0.00	0.00	16062.00	Nos	0.00
53	R2-RT-16-01	Providing, fabrication and fixing M.S. railing of 10 Gauge, 40mm X 40mm square pipe railing with 18mm X18 mm square intermediate	0.00	0	0.00	0.00	7596.00	Meter	0.00
54	CE4-18-96. 1-FA2	Providing and laying tactile paving (for visually impaired person), confirming to IS:15622, of approved make in all colours and shades for	0.00	0	0.00	0.00	4422.00	Square Meter	0.00
55	R2-RW-3-22	Removing the paver blocks of any thickness, size & colour from carriage way or footpath & transporting the same to ward depot or any where in	784.00	265	0.00	1049.00	157.00	Sqm	164693.00
56	R2-RW-7-09	Milling upto 60mm depth Asphaltic surface by using milling machine including transportation anywhere as directed.	8355.00	12278	25231.00	45864.00	77.00	Sqm	3531528.00
57	R2-RW-4-03	Removing existing kerb stones, cleaning off old mortar, carting away up to a distance of 2 K.M. and stacking the same as directed by the	0.00	0	0.00	0.00	32.00	RMT	0.00
58	R2-RW-4-08	Removing existing water tables/cleaning off old mortar & carting away to the distance of 2 K.M. and stacking the same as directed by	1510.00	2420	2840.00	6770.00	32.00	RMT	216640.00
59	R2-RW-3-13	Removing & refixing interlocking concrete pavers of 80 mm thick, of any size, shape and colour considering 10% breakage area of paver block	0.00	0	0.00	0.00	225.00	Sqm	0.00
60	R2-RW-3-11	Providing & fixing 80 mm thick interlocking unishape concrete pavers (monolithic- single layer precast concrete blocks) in grey cement in the	0.00	1750	0.00	1750.00	871.00	Sqm	1524250.00
61	R2-RW-3-20	Providing & Fixing in the carriageway interlocking 100 mm thick grey cement concrete unishape pavers in Red (Terra Cotta), Black, Brownor	0.00	60	0.00	60.00	1213.00	Sqm	72780.00
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