

W-240:- Resurfacing of Various Roads in Asphalt macadam in K/W Wards in Zone-IV of Western Suburbs Division.

Sr.No.	Schedule Item No.	Description	Rate	Unit	Total Qty.	Total Amount
1	R2-CS-EW-3	Excavation for foundation, substructures, basements, tanks, sumps, walls, chambers, manholes, trenches, poles, pits&general building works in soft/disintegrated rock, sandstone, stiff	500.00	Cubic Meter	0.00	-
2	R2-CS-EW-7-a	Extra over the items CS-EW-03 to CS-EW-06 for lift from 1.5m to 3.0m.	127.00	Cubic Meter	0.00	-
3	R2-SWD-45	Supplying and providing blue trap stones of approved quality and laying hand set dry rubble packing 25 cm. thick to required level and grade, camber including filling in the interstices with 60	846	Cubic Meter	0.00	-
4	R2-RW-10-26	P/L ready mix cement concrete M-15 cc having avg compressive strength 18.5 Mpa for Foundation/ encasement/ pavement/ cradle including form of mixing in batch ing	6893.00	Cubic Meter	0.00	-
5	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 wall, lift wall,foundations, slabs, beams, columns,	76770.00	M.T.	0.00	-
6	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 shapes etc., for encasement & deshuttering the same after	558.00	Square Meter	0.00	-
7	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 shapes etc., for encasement & deshuttering the same after	483.00	Square Meter	0.00	-
8	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 1000mm x 500mm x 75mm in line, level over storm water	2896.00	Set	0.00	-
9	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 excellent finish and sharp edges	799	Meter	4265.00	34,07,735.00
10	R2-RW-8-02	P/L 250 mm dia. R.C.C. humepipes, NP2 class, jointing, filletting in1:1C.M.,including plugging of both the ends with gunny bags, brick masonry in C.M.1:4 with plaster in C.M.1:4 & curing etc.	640	Running Meter	0.00	-
11	R2-CS-EW-16	Excavation over areas for basements, roads, land/plot development in soft/ disintegrated rock, sand stone, stiff clay, gravel, cobblestone, hard laterite, water bound macadam, wet mix	343.00	Cubic Meter	4313.00	14,79,359.00
12	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. complete as specified and as directed by the	9.83	Square Meter	41824.00	4,11,129.92
13	R2-RW-2-21	Providing & laying, spreading & compacting specified crushed stone in granular subbase course including premixing the material in mechanical mixer (pugmill or approved type),	2547.00	Cubic Meter	890.00	22,66,830.00
14	R2-RW-2-20	Providing & laying, spreading & compacting graded crushed stone aggregate to wet mix macadam satisfaction including premixing the material with water to OMC in mechanical mix	2937.00	Cubic Meter	6330.00	1,85,91,210.00
15	R2-RW-5-20	Providing and applying PRIME COAT with CATIONIC BITUMEN EMULSION (SS) @ 7 to 12Kg. of 10 Sqmt. over prepared surface to receive bituminous mix by applying PRIMER with	57	Square Meter	44560.00	25,39,920.00
16	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 receive bituminous mix by applying TACK COAT with	33.00	Square Meter	44560.00	14,70,480.00
17	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 receive bituminous mix by applying TACK COAT	35.00	Square Meter	44560.00	15,59,600.00

Sr.No.	Schedule Item No.	Description	Rate	Unit	Total Qty.	Total Amount
18	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 10/12 M.T.power ,vibratory roller & sensor paveretc.	450.00	Square Meter	44560.00	2,00,52,000.00
19	R2-RW-5-40	P/L hot premix Bituminous concrete with 6.00% of bitumen grade VG-40, surface coat by mix design as per MORTH to the compacted thickness of 40 mm, using new material to the required line, level	450.00	Square Meter	44560.00	2,00,52,000.00
20	R2-RW-5-64	P/L, mastic asphalt 40mm thick with 10/20 grade bitumen including producing the same at computerised batch mix plant, transporting the same to site by means of mastic cookers, laying	1571.00	Square Meter	0.00	-
21	R2-RW-5-65	P/L, mastic asphalt 25mm thick with 10/20 grade bitumen including producing the same at computerised batch mix plant, transporting the same to site by means of mastic cookers, laying	1079.00	Square Meter	0.00	-
22	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 M-15 (1:2:4) c.c. coping under frame and cover of	1151.00	Each	55.00	63,305.00
23	R2-RW-6-04	Raising or lowering water entrances ,hydrant key box/slucibox/gully trap chambers to the required level,upto20cm.including all materials,curingetc. complete as specified and as directed.	801.00	Each	11.00	8,811.00
24	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 cm.thick M-15 C.C. coping under frame & cover of manhole	2297.00	Each	22.00	50,534.00
25	R2-RW-6-06	Removing the old C.I. curicular frame & cover & delivering the same to any Municipal depot or workshop, as directed.	147.00	Each	22.00	3,234.00
26	R2-RW-7-01	Removing & refixing traffic regulatory boards/bus stop boards/street name boards etc. in M-100 cement concrete, complete as directed.	881.00	Each	24.00	21,144.00
27	R2-RW-7-29	Excavation and dismantling of structures on roadway, shifting and relocating of essential utilities, street poles, signals road sign boards including taking necessary permission from the	1229.00	Nos	14.00	17,206.00
28	R2-RW-7-31	Excavation and dismantling of structures on roadway, shifting and relocating of essential utilities, street poles, signals road sign boards including taking necessary permission from the	327.00	Nos	14.00	4,578.00
29	R2-RW-10-46	Providing and fixing pre-cast Central Median divider Type-I of R.M.C. in M-20 C.C. on Road as per drawing, finished neatly, compacting, curing, with formwork, etc, including bedding of R.M.C. of	1685.00	Running Meter	0.00	-
30		---Do-----15 mm dia.	168.00	Running Meter	1040.00	1,74,720.00
31	R2-HE-7-2-b	---Do-----20 mm dia.	174.00	Running Meter	850.00	1,47,900.00
32	R2-HE-7-2-c	---Do-----25 mm dia.	265.00	Running Meter	160.00	42,400.00
33	R2-HE-7-2-d	---Do-----32 mm dia.	316.00	Running Meter	160.00	50,560.00
34	R2-HE-7-2-e	---Do-----40 mm dia.	388.00	Running Meter	160.00	62,080.00
35	R2-HE-7-2-f	---Do-----50 mm dia.	481.00	Running Meter	160.00	76,960.00

Sr.No.	Schedule Item No.	Description	Rate	Unit	Total Qty.	Total Amount
36	R2-CS-PS-90-a	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc 15 mm dia	199.00	Running Meter	1040.00	2,06,960.00
37	R2-RT-16-33	Providing and applying hot applied thermoplastic road marking material with glass beads extremely high skid resistance 2.5mm thick without primer coat (tack coat) on asphalt road surface. All labour	662.00	Square Meter	6545.00	43,32,790.00
38	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 as specified and directed for speed limit upto 50	1241.00	Nos	44.00	54,604.00
39	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 incorporated in the catalogue of street Furniture (Volume-II)	22712.00	Nos	22.00	4,99,664.00
40	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 the catalogue of street Furniture published by	35459.00	Nos	13.00	4,60,967.00
41	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 catalogue of street Furniture published by	37751.00	Nos	14.00	5,28,514.00
42	R2-RT-16-25	Mandatory & Cautionary Board – Providing, Fabricating, Erecting on site Mandatory & Cautionary Boards (of type 1S-A-1). As per the design incorporated in Street Furniture catalogue	6469.00	Nos	39.00	2,52,291.00
43	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 Street Furniture catalogue volume–II published by	12031.00	Nos	24.00	2,88,744.00
44	R2-GW-7-11	Supply and Spreading of Red Hill Earth Red hill earth free from graass, stones, rubbles redish in colour pass through 5 mm sieve and spreading of red hill earth at site location/ plot and rolling as	1283.00	Cubic Meter	0.00	-
45	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 manholes.	29935.00	Each	22.00	6,58,570.00
46	R2-SWD-35	Cutting down existing cement / lime concrete works by any means in pavement, bedding below foundation, coping, walls arches, stone, brick pavement coping etc. of any thickness of any	1314.00	Cubic Meter	0.00	-
47	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 means below or above ground level including cutting	1588.00	Cubic Meter	0.00	-
48	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/ stencil of approved pattern and colour, in accordance with	436.00	Square Meter	0.00	-
49	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 old surface of kerbstone with brushing by wire brush	50.00	Running Meter	0.00	-
50	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 proportion as specified by the manufacturer per	271.00	Square Meter	0.00	-
51	R2-SWD-58	Providing 20 mm thick cement plaster in cement mortar 1:2 including neat cement rendering (without water proofing compound) as specified & as directed by Engineer in Charge.	376.00	Square Meter	275.00	1,03,400.00
52	R2-RT-16-34	Supplying/ fixing of Two Way Raised Pavement Markers made of polycarbonate moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the	427.00	Each	5085.00	21,71,295.00
53	R2-SWD-25	Providing and placing in position controlled cement Ready Mix Concrete of M-25 grade in raft slab by using ordinary Portland cement including curing by any means, as specified & as directed by	6979.00	Cubic Meter	0.00	-

Sr.No.	Schedule Item No.	Description	Rate	Unit	Total Qty.	Total Amount
54	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 height/depth by using ordinary Portland cement including curing	8735.00	Cubic Meter	0.00	-
55	R2-SWD-178	Providing & placing in position controlled Ready Mix Concrete of grade M- 40 in raft slab by using Ordinary Portland Cement including transportation to site anywhere in Mumbai including curing by	7777.00	Cubic Meter	0.00	-
56	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 / depth by using Ordinary Portland Cement	9569.00	Cubic Meter	0.00	-
57	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, compacting ,curing, formwork etc. including	471.07	Running Meter	231.00	1,08,817.17
58	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 standard drawings (Dwg No.	11641.00	Each	565.00	65,77,165.00
59	R2-SWD-175-A	Providing & Fixing 0.60m X 0.50m clear internal size of DI hinged type grating and frame (weighing minmum 80 kg) with grade designation of C250 with black bitumen	14786.00	Each	565.00	83,54,090.00
60	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 / FullBatter) manufactured in wet press vacuum	1116.00	Running Meter	430.00	4,79,880.00
61	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 design incorporated in the Catalogue of Street Furniture	16062.00	Nos	0.00	-
62	R2-RT-16-02	Providing, fabrication and fixing M.S. railing of 10 Gauge, 40mm X 40mm square pipe railing with 18mm X18 mm square intermediate support, 65mm X 65mm square main supports with M.S.	7121.00	Meter	0.00	-
63	CE4-18-96. 1-FA2	Providing and laying tactile paving (for visually impaired person), conforming to IS:15622, of approved make in all colours and shades for outdoor floors such as footpth, courtyard, multi-	4422.00	Square Meter	0.00	-
64	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 MCGM limit. The paver blocks shall be stacked	157.00	Sqm	1092.00	1,71,444.00
65	R2-RW-7-10	Milling upto 75mm depth Asphaltic surface by using milling machine including transportation anywhere as directed. NOTE: For further passes of 60mm or part thereof	82.00	Sqm	44118.00	36,17,676.00
66	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 Engineer.	32.00	RMT	0.00	-
67	R2-RW-4-07	Removing & resetting water tables 30 cm. wide on a new M-20 cementconcrete bed 15 cm .thick including filling in the jointswith C.M.1:2 and cement pointing , curing including removing the	398.00	RMT	4060.00	16,15,880.00
68	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 while removing the same from position and	225.00	Sqm	0.00	-
69	R2-RW-3-11	Providing & fixing 80 mm thick interlocking unishape concrete pavers (monolithic- single layer precast concrete blocks) in grey cement in the carriageway having average crushing strength of	871.00	Sqm	825.00	7,18,575.00
		Total				10,37,55,022.09