

**BRIHANMUMBAI MUNICIPAL CORPORATION**

**E-289: Improvement Of various Roads, Side strips & Junctions in CC/CC Passage/TWT/Mastic in Eastern Suburbs (Bid No:-7200034427).**

**Combined BOQ of Eastern Suburb**

Sr. No.	Item Code No.	Description	Total Quantity	Unit	Rate	Amount
1	R2-CS-EW-3	Excavation for foundation, substructures, basements, tanks, sumps, walls, chambers, manholes, trenches, poles, pits & general	307615.67	Cu.Mt.	500.00	15,38,07,835.00
2	R2-SWD-36	Cutting down completely RCC slab, walls, beams , columns, arches, piles, pile caps of any thickness and or size of any height /	5709.00	Cu.Mt.	1,588.00	90,65,892.00
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	92320.50	Cu.Mt.	846.00	7,81,03,143.00
4	R2-RW-8-02	P/L 250mm dia. R.C.C. hume pipes, NP2 class, jointing, filling in 1:1 C.M., including plugging of both the ends with gunny bags,	17901.13	R.Mt.	640.00	1,14,56,723.20
5	R2-RW-7-32	Providing placing in position, levelling, fixing M25 Grade R.C.C. pre-cast frame of size 1150mm x 1150mm x 150mm and cover	17866.00	Nos.	2,896.00	5,17,39,936.00
6	R2-RW-10-26	P/L ready mix cement concrete M-15cc having avg compressive strength 18.5 Mpa for foundation/ encasement/ pavement/ cradle	110097.53	Cu.Mt.	6,893.00	75,89,02,274.29
7	R2-CS-RF-7-B-FAIR	Leak -proof shuttering for encasement : Providign, fabricating & fixing the leak-proof shuttering made with marine plywood/ M.S.	548623.00	Sq.Mt.	558.00	30,61,31,634.00
8	R2-CS-RF-7-A-FAIR	Leak -proof shuttering for encasement : Providign, fabricating & fixing the leak-proof shuttering made with marine plywood/ M.S.	176905.00	Sq.Mt.	300.00	5,30,71,500.00
9	R2-SWD-185-A	Supplying and fixing 0.90m x 0.60m internal size rectangular D.I. air-tight hinged type cover and frame (weighing minimum 150	1599.00	Nos.	26,668.00	4,26,42,132.00
10	R2-SWD-25	Providing and placing in position controlled cement Ready Mix Concrete of M-25 grade in raft slab by using ordinary Portland	32534.32	Cu.Mt.	6,979.00	22,70,57,019.28
11	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	73077.45	Cu.Mt.	8,735.00	63,83,31,525.75
12	R2-SWD-178	Providing & placing in position controlled Ready Mix Concrete of grade M- 40 in walls and deck slab above or below ground	13281.73	Cu.Mt.	7,777.00	10,32,92,014.21
13	R2-SWD-179	Providing & placing in position controlled Ready Mix Concrete of grade M- 40 in raft slab by using Ordinary Portland Cement	25786.17	Cu.Mt.	9,569.00	24,67,47,899.01
14	R2-RW-10-33	Providing & laying M-40 C.C.avg. compressive strength 45 MPa and avg.flextural strength of 5.0 MPa (As per IRC 15-	124011.91	Cu.Mt.	7,968.00	98,81,26,914.82
15	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	15523.56	MT	76,770.00	1,19,17,43,547.66
16	R2-RW-10-19	Providing & constructing cement vatas in c/m 1:10 at 0.6m * 0.6m/c admeasuring 0.09m at bottom, 0.04m at top & 0.075m	627619.40	Sq.Mt	78.00	4,89,54,313.20
17	R2-RW-2-20	Providing & laying, spreading & compacting gradedcrushed stone aggregate to wet mix macadam satisfaction including premixing	104292.36	Cu.Mt.	2,937.00	30,63,06,663.38
18	R2-RW-2-21	Providing & laying, spreading & compacting specified crushed stone in	26860.85	Cu.Mt.	2,547.00	6,84,14,586.22
19	R2-RW-1-13	Levelling, watering & rolling by vibratory roller weighing not less than 10 tonnes & preparing the ground to the required grade &	526354.13	Sq.Mt.	9.83	51,74,061.10
20	R2-SE-5-1-a	150 mm	7287.80	Rmt.	657.00	47,88,084.60
21	R2-SE-5-1-b	230 mm	10343.71	Nos.	1,113.00	1,15,12,549.23
22	R2-RW-10-30	Providing & fixing pre-cast Beam in M 40 CC of size 23 cm x 23 cm x 35 cmin length set in 15 cm M15 C.C. filling of joints in 1:2,	3804.00	Each	445.00	16,92,780.00
23	R2-RW-6-03	Raising or lowering circular manholes to the required level upto 20 cm including all material, form work etc. with 16 cm thick	1901.00	Each	1,151.00	21,88,051.00
24	R2-RW-6-04	Raising or lowering water entrances, hydrant key box/ sluice box/gully trap chambers to the required level, upto 20 cm	567.00	Each	801.00	4,54,167.00
25	R2-RW-6-05	Raising or lowering rectangular manholes to the required level upto 30 cm including all materials, form work, brick work and	1468.00	Sqm	2,297.00	33,71,996.00
26	R2-RT-16-32	Providing and applying hot applied thermoplastic road marking material with glass beads extremely high skid resistance 2.5mm	64282.70	Sqm	727.00	4,67,33,522.90
27	R2-RT-16-08	Providing, fabricating and erecting street name board( type 2 S-A-1 ) as per design incorporated in the catalogue of street furniture (	295.00	Cu.Mt.	22,712.00	67,00,040.00
28	R2-SWD-38	Providing Brick masonry in cement mortar 1:5 as specified & as directed by Engineer in Charge.	3717.70	Cu.Mt.	11,670.00	4,33,85,559.00
29	R2-SWD-56	Providing 12 mm thick cement plaster in cement mortar 1:2 including neat cement rendering (without water proofing	13454.80	Sq.Mt.	217.00	29,19,691.60
30	R2-SWD-145	Supplying and fixing 0.56m internal dia circular C.I. airtight cover and frame weighing Between weighing minimum 208kg of	532.00	Each	23,096.00	1,22,87,072.00
31	R2-RW-8-03	P/L 300mm dia. R.C.C. hume pipes, NP2 class, jointing, filling in 1:1 C.M., including plugging of both the ends with gunny bags,	153458.64	R.Mt.	796.00	12,21,53,077.44
32	R2-CS-PS-214	Constructing brick masonry valve & meter/RWH chambers in 250mm thick brick masonry in cement mortar 1: 5 using first	898.00	Each	17,500.00	1,57,15,000.00

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33	R2-HE-7-2-a	Supplying, providing laying and jointing GI pipes in trenches of following class and diameter by wrapping them by hessian cloth	16072.00	R.Mt.	168.00	27,00,096.00
34	R2-HE-7-2-b	20 mm	14492.00	R.Mt.	174.00	25,21,608.00
35	R2-HE-7-2-c	25 mm	10667.50	R.Mt.	265.00	28,26,887.50
36	R2-HE-7-2-d	32 mm	8687.50	R.Mt.	316.00	27,45,250.00
37	R2-HE-7-2-e	40 mm	6148.50	R.Mt.	388.00	23,85,618.00
38	R2-HE-7-2-f	50 mm	5668.50	R.Mt.	481.00	27,26,548.50
39	R2-RW-10-31	Providing and laying Dry Lean Concrete base including providing coarse and fine aggregate to the specified gradation using	29508.33	Cu.Mt.	4,562.00	13,46,17,001.46
40	R2-RW-10-11	Cutting of construction & dummy joints of M-35 C.C.& above slab by mechanical means within 10 to 16 hrs.of casting of	467038.31	Rmt	59.00	2,75,55,260.29
41	R2-RW-10-12	Cutting of construction & dummy joints of M-35 C.C.& above slab by mechanical means within 10 to 16 hrs.of casting of	445190.20	Rmt	59.00	2,62,66,221.80
42	R2-RW-10-23	Dressing of M-35 & above new C.C.pavement,dummy,transverse,longitudinal & expansion joints	472855.20	Rmt	92.00	4,35,02,678.40
43	R2-RW-10-24	Dressing of M-35 & above new C.C.pavement,dummy,transverse, longitudinal & expansion joints	446791.20	Rmt	92.00	4,11,04,790.40
44	R2-RW-10-28	Supply & filling sand metal, gravelly sand corresponded to class II	13880.31	cum	1,905.00	2,64,41,990.55
45	R2-RW-10-14	Providing & placing 5mm thick thermocole in dummy & construction joints immediately after cutting of joints & removing	51345.49	sqm	76.00	39,02,257.24
46	R2-SWD-176-A	Providing & Fixing 1.20m X 0.60m clear internal size of M.S. Galvanised hinged type grating and frame	3650.00	Nos.	17,084.00	6,23,56,600.00
47	R2-RW-10-37	Providing and fixing of the precast TREE GUARD KERB of M-20 C.C.	17512.89	Rmt	471.0700	82,49,796.15
48	R2-SWD-185	Supplying and fixing 0.90m x 0.60m internal size rectangular D.I. air-tight hinged type cover and frame	222.00	Nos	19,240.00	42,71,280.00
49	R2-RW-7-17	Providing and applying Yellow & Black road marking paint Grade- I in 3	2434.00	Rmt	50.00	1,21,700.00
50	R2-RW-10-15	Providing & fixing high density polythene pipe of approved quality to fit around the dowel bars of 32mm dia at the end of	34697.70	Each	31.00	10,75,628.70
51	R2-RW-10-16	Providing & fixing in position mild steel in tie bars of 12mm dia 55cm long & 45cm C/C whenever directed including handling ,	208.51	MT	63,226.00	1,31,83,202.68
52	R2-RW-10-17	Providing & fixing in position M.S. dowel bars of 32mm dia 55cm long &	177.48	MT	62,904.00	1,11,64,170.50
53	R2-RW-10-39	Extra & over for providing and using special admixtures/ plasticizers to	51535.44	Cum	1,067.00	5,49,88,314.48
54	R2-RW-10-18	Providing & laying waterproof paper of 40 GSM including overlap ( to	599020.00	Sqm	11.00	65,89,220.00
55	R2-RW-10-50	Providing and fixing of cement concrete Kerb Stone of various grades of size:500mm width x325 height x 165mm thick	74118.00	Rmt	1,116.00	8,27,15,688.00
56	R2-RW-10-51	Providing and fixing of Water Dished Channel size : 600 x 300 x 80mm, M-	109692.56	Rmt	799.00	8,76,44,356.00
57	R2-RW-5-64	P/Lmastic asphalt 40mm thick with 10/20 grade bitumen including producing the same at computerised batch mix plant,	34889.00	Sqm	1,571.00	5,48,10,619.00
58	R2-RW-5-23	Providing and applying TACK COAT with CATIONIC BITUMEN EMULSION (RS) @ 0.2 to 0.25 Kg. of Sq.mt. over	63440.00	Sqm	33.00	20,93,520.00
59	R2-RW-5-20	Providing and applying PRIME COAT with CATIONIC BITUMEN EMULSION (SS) @ 7 to 12 Kg. of 10Sqmt. over	75121.00	Sqm	57.00	42,81,897.00
60	R2-RW-5-25	Providing and applying TACK COAT with CATIONIC BITUMEN EMULSION (RS) @ 0.25 to 0.30 Kg. of Sq.mt. over	66252.00	Sqm	35.00	23,18,820.00
61	R2-RW-5-48	P/L hot PremixDense bituminous macadam with 4.50%bitumen content of grade VG-30 to the required line,level,and camber	72066.75	Sqm	440.00	3,17,09,370.00
62	R2-RW-5-04	P/LMINIMUM 30 mm hot Premix Bituminous concrete with6.00% of VG-	22203.18	Sq.M	339.00	75,26,877.00
63	R2-RW-10-46	Providing and fixing pre-cast Central Median divider Type-I of R.M.C.M20 C.C. on Road as per drawing, finished neatly,	753.00	Rmt	1,685.00	12,68,805.00
64	R2-RW-7-18	Providing and applying Yellow & Black road marking paint Grade- I in 3- coats including single coat of approved brand	5061.00	Sqm	166.00	8,40,126.00
65	R2-RT-16-34	Supplying/ fixing of Two Way Raised Pavement Markers made of polycarbonate moulded body and reflective panels with micro	78119.00	Nos	427.00	3,33,56,813.00
66	R2-RW-10-63	Extra over item of Stencil Concrete above M-20 in Footpath	134059.30	Sq.M.	436.00	5,84,49,854.80
67	R2014-RT-NATC-8.21	Supply and installation of solar cat eyes	0.00	Nos	3,636.00	-

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68	R2-RW-7-37	To carry out total station survey of the road with reference to existing	109.00	Upto 500RMt	20,182.50	21,99,892.50
69	R2-RW-7-38	To carry out total station survey of the road with reference to existing	47.80	Per 100 m	3,900.00	1,86,420.00
70	HE6-10-20-FA-163	Supply and installation of Dust Bins	94.00	Nos	8,496.00	7,98,624.00
71	R2-GW-8-1	Triming of trees below 2 feet girth	61.00	Nos	1,223.00	74,603.00
72	R2-GW-8-2	Triming of trees between 2 to 5 feet girth	36.00	Nos	2,548.00	91,728.00
73	R2-GW-8-3	Triming of trees above 5 feet girth	81.00	Nos	5,097.00	4,12,857.00
74	R2-RW-7-19	Transplantation of existing trees of girth of all dia. including uprooting and shifting of the tree and placing in pits of suitable	241.00	Nos	5,526.00	13,31,766.00
75	GW-2-5-a	Planting Trees on Soft/Hard surface (Individual): Filling of Red Hill Earth,	110.00	Each	409.94	45,093.40
76	R2-RW-7-20	Cutting down of trees having diameter above 50 mm upto 150mm	16.00	Each	446.00	7,136.00
77	R2-RW-7-21	Cutting down of trees having diameter above 150 mm upto 300mm.	147.00	Each	3,146.00	4,62,462.00
78	R2-RW-7-22	Cutting down of trees having diameter above 300 mm upto 450mm.	126.00	Each	5,997.00	7,55,622.00
79	R2-RW-7-23	Cutting down of trees having diameter above 450mm upto 600mm.	115.00	Each	8,355.00	9,60,825.00
80	R2-RW-7-24	Cutting down of trees having diameter above 600 mm upto 900mm.	93.00	Each	11,892.00	11,05,956.00
81	R2-RW-7-25	Cutting down of trees having diameter above 900 mm upto 1200mm.	86.00	Each	15,532.00	13,35,752.00
82	CE4-18-96-1-FA2	Providing and laying tactile paving (for visually impaired persons) conforming to IS: 15622, of approved make in all	46687.00	Sqm.	4,422.00	20,64,49,914.00
83	R2-CS-EW-7-a	Extra over the items CS-EW-03 to CS-EW-06 for lift from 1.5 mtr to 3 mtr.	1416.96	cum	127.00	1,79,953.92
84	R2-CS-EW-7-b	Extra over the items CS-EW-03 to CS-EW-06 for lift from 3 mtr to 4.5 mtr.	932.96	cum	227.00	2,11,781.47
85	R2-BW-5-7-u	Providing and laying inverted filter behind abutment and RE Wall with suitable thickness	1599.66	cum	969.00	15,50,074.42
86	R2-SWD-76	Providing and laying 450mm dia NP2 Class R.C.C. Hume pipes with Collar joints conforming to IS 458:2003 and	3122.00	each	2,041.00	63,72,002.00
87	R2-CS-EW-1	Excavation for foundations, substructures, basements, tanks, sumps, walls, chambers, manholes, trenches, poles, pits &	26634.00	Cum	307.00	81,76,638.00
88	R2-CS-EW-2-a	Extra over above item CS-EW-1 for lift from 1.50 m to 3.0m	3095.00	Cum	71.00	2,19,745.00
89	R2-SWD-35	Cutting down existing cement / lime concrete works by any means in pavement, bedding below foundation, coping, walls	64299.00	Cum	1,314.00	8,44,88,886.00
90	R2-SWD-34	Cutting down stone, concrete, brick masonry work by any means in lime or cement mortar including removal of	435.00	Cum	484.00	2,10,540.00
91	R2-BW-2-115-a	Providing and installing in position controlled concrete of grade M-40 with minimum cement content as 400 kg/cum. and W.C	8400.00	Rmt	3,756.00	3,15,50,400.00
92	R2-BW-2-28-o	Empty boring through over burden including road crust upto the bottom of pile cap for all diameters of piles.	934.00	Rmt	1,935.00	18,07,290.00
93	R2-BW-2-36	Providing and installing in position permanent M.S. liners for piles of specified diameter and fabricated from 6 - 8 mm thick	25.00	Mt	73,417.00	18,35,425.00
94	R2-BW-2-36-a	Providing and installing in position permanent M.S. liners for piles (Empty boring) of specified diameter and fabricated from 6 -	56.00	Mt	55,997.00	31,35,832.00
95	R2-BW-2-13	Providing and laying Dry Rubble stone packing having thickness 230 mm and above in foundation including hand packing in	1589.00	Cum	1,439.00	22,86,571.00
96	R2-BW-2-18	Providing and placing in position controlled cement concrete of M20- grade for foundation work with minimum cement 400	1634.00	Cum	6,094.00	99,57,596.00
97	R2-BW-2-23-b	For Drain/Duct/Culverts	4052.00	Cum	7,444.00	3,01,63,088.00
98	R2-BW-2-25	Providing and laying , spreading and compacting specified crushed stone in granular sub-base course including premixing the	1714.00	Cum	7,995.00	1,37,03,430.00
99	R2-BW-5-3-f	Providing and applying protective paint consisting of two coats of coal tar epoxy paint over one coat of primer of approved	4040.00	Sqm	281.00	11,35,240.00
100	R2-BW-3-15-f	Providing and Placing in position controlled cement concrete for sub-structure work with minimum cement content of 400kg/cum	1720.00	Cum	8,497.00	1,46,14,840.00
101	R2-BW-3-21	Providing and laying filter media with granular materials/ stone crushed aggregates satisfying the requirements laid down in	1858.00	Cum	1,447.00	26,88,526.00
102	R2-WSP-3-2	Providing and Applying Two Components Polyurethane Finish Coat on Previous epoxy Primer & finish Coat on External	6256.00	Sqm	139.00	8,69,584.00

Sr. No.	Item Code No.	Description	Total Quantity	Unit	Rate	Amount
103	CE4-10-025FR1	Providing and Making Mural in Paint of required size on site based on drawing supplied by agency and approved by Municipal	17826.00	Sqft	745.00	1,32,80,370.00
104	R2-SWD-154	Providing & Fixing 100 mm. dia PVC. Pipes of approved quality as weep holes in nalla/retaining walls etc.complete as directed by	552.00	Mtr	355.00	1,95,960.00
105	R2-BW-3-11	Providing weep holes in Brick masonry/ Plain/ reinforced concrete abutment wing walls/ return wall with 100mm dia AC	454.00	Each	281.00	1,27,574.00
106	R2-RW-10-54	Providing and fixing pre-cast Central Median divider Type NPD-1A of R.M.C.M-25 C.C. on Road as per drawing, finished neatly,	965.00	Rmt	3,789.00	36,56,385.00
107	R2-BW-5-3-c	Providing and applying epoxy base paint to RCC piers, columns, beams, girders, diaphragms, slabs, parapets etc. including	1062.00	Sqm	412.00	4,37,544.00
108	R2-BW-5-8	Providing Fusion bonded epoxy coating (FBEC) to reinforcing steel bars as per IS 13620 1993 specifications for coating	971.00	MT	16,275.00	1,58,03,025.00
109	R2-RW-5-45	P/L hot PremixDense bituminous macadam with 4.50%bitumen content of grade VG-40 to the required line,level,and camber	7420.00	Sqm	676.00	50,15,920.00
110	R2-RW-5-63	P/L, mastic asphalt 40mm thick with 10/20 grade bitumen including producing the same at computerised batch mix plant,	21680.00	Sqm	1,660.00	3,59,88,800.00
111	R2-RW-5-40	P/L hot premix Bituminous Concrete with 6.00 % BITUMEN (VG-40 Grade +WASTE PLASTIC) content by weight of mix,	6643.00	Sqm	450.00	29,89,350.00
112	R2-RW-1-07	P/L earth work in embankments & /or filling low-lying ground in layers not exceeding 25cm. in loose thickness & compacting each	6184.00	Cum	1,422.00	87,93,648.00
113	R2-RW-1-09	P/L a top layerof 15cm. compacted thickness of earth , rolling with 10/12 tonne power roller, watering etc. complete in	6794.00	Cum	1,535.00	1,04,28,790.00
114	R2-RW-5-21	Providing and applying PRIME COAT with CATIONIC BITUMEN EMULSION (SS) @ 9 to 12 Kg. of 10Sqmt. over	14581.00	Sqm	62.00	9,04,022.00
115	R2-RW-5-27	Providing and applying Tack coat with bitumen VG-30 bitumen @ 0.2 to 0.25 kg. of sqmt. Over prepared surface to receive	24106.00	Sqm	32.00	7,71,392.00
116	R2-RW-10-06	Providing & laying R.C.C. running beam in M-40 cement concrete	2126.00	Rmt	844.00	17,94,344.00
117	R2-RW-7-33	Providing placing in position, levelling, fixing M25 Grade R.C.C.pre-cast frame of size 1150mm x 900mmx150mm and	3626.34	Each	2,235.00	81,04,865.43
118	R2-CS-SS-09-a	Providing and fixing G.I. barbed wire fencing of 14 guage having 2 ply and 4 points at 75 mm c/c in the rows and with vertical	1121.00	RM	784.00	8,78,864.00
119	R2-SWD-72	Providing and laying 150mm dia NP2 Class R.C.C. Hume pipes with Collar joints conforming to IS 458:2003 and laid on	203.00	MTR	612.00	1,24,236.00
120	R2-SWD-46-A	Constructing uncoursed rubble masonry in cement mortar 1:5 of first sort (with contractors rubble), as specified & as directed by	42.00	Cum	6,678.00	2,80,476.00
121	R2-RW-4-01	Providing & Fixing kerb stones 30 cm to 40 cm long, 15cm wide, 38 cm deep medium dressed in all exposed surfaces, set in cement	2027.00	Rmt	605.00	12,26,335.00
122	R2-SE-10-6	-do--do-0.9Mx0.6MrectangularC.I.frameandcover.-do--do-weighing minimum 270 kg.-do-do	203.00	No	35,786.00	72,64,558.00
123	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	2227.00	Mtr	7,596.00	1,69,16,292.00
124	R2-RT-16-15	Providing, fixing & erecting on site Junction Name Board / Chowk (type 2S-D), as per the design incorporated in the	145.00	Nos	35,459.00	51,41,555.00
125	R2-RT-16-27	Providing, Fabricating, Erecting on site Facility Sign Boards (Taxi Stand/Police Station/Petrol Pump/Hospital and any other	15.00	Nos	12,031.00	1,80,465.00
126	R2-RT-16-18	Providing, Fabricating, Erecting on site Direction Board as per figure no RT-16-18, Signage plaque (box) shall be of size	11.00	Nos	37,751.00	4,15,261.00
127	R2-RT-16-43	Providing, Fabricating, Erecting on site Cautionary Boards as per Cautionary Sign Drawing No C1, Vertical poles shall be Hot dip	441.00	Nos	9,431.00	41,59,071.00
128	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	921.00	Nos	1,241.00	11,42,961.00
129	GW-3-2-f	Ss Dust Bin (Refer sketch 10) Product area:0.76Sqm, Capacity in ltrs:	5.00	Sqm	17,265.00	86,325.00
130	R2-RW-3-19	Providing & fixing in the carriageway 100 mm thick interlocking concrete unishape pavers( monolithic- single layer precast	100.00	Sqm	1,054.00	1,05,400.00
131	R2-RT-16-12	Providing, fabricating & fixing M.S.circular Bollards of 100mm dia, 10 Gauge (type 3F - A-1) as per the design incorporated in	12.00	Sqm	9,344.00	1,12,128.00
132	R2-SE-1-1	Excavation in all types of soils (for sewerage works),such as Earth, Marine clay, Marshy land, Running sand, Garbage, Slush,	13055.57	cum	468.00	61,10,006.76
133	R2-SE-1-1-a	do-do-as per item R2-SE-1-1 for lift from 2.0 to 4.0m.	6310.81	cum	638.00	40,26,296.78
134	R2-SE-1-1-b	do-do-as per item R2-SE-1-1 for lift from 4.0 to 6.0m.	270.00	cum	868.00	2,34,360.00
135	R2-SE-1-1-c	do-do-as per item R2-SE-1-1 for lift from 6.0 to 8.0m.	25.00	cum	1,036.00	25,900.00
136	R2-SE-1-1-u	Extra over above for item no. R2-SE-1-1 to R2-SE-1-1-i for relevant lift of excavation in hard rock and reinforced concrete by	3410.91	cum	2,100.00	71,62,900.50
137	R2-SE-1-1-ae	Extra over above for item no.R2-SE-1-1 to R2-SE-1-1-if or relevant lifts of excavation in hard rock and reinforced concrete	3410.91	cum	4,970.00	1,69,52,197.85

Sr. No.	Item Code No.	Description	Total Quantity	Unit	Rate	Amount
138	R2-SE-1-1-j	Extra over above for item no. R2-SE-1-1 to R2-SE-1-1-i for relevant lift of excavation in soft/ disintegrated rock, road	6113.08	cum	429.00	26,22,512.39
139	R2-RW-10-27	P/L R.M.C. M-10 C.C. having avg. compressive strength 13.5 Mpa grade in foundation / encasement/ pavement with or without	10356.40	cum	6,452.00	6,68,19,492.80
140	R2-SE-5-11-a	Providing, Laying and Jointing Double Wall Corrugated (DWC) PE pipes of SN8 class with R/R joint with PE coupler as per	275.00	rmt	702.00	1,93,050.00
141	R2-SE-5-8-f	Providing and laying R.C.C. Pipes (NP3Class)with rubber rings jointing etc. complete as specified and directed	1210.00	rmt	4,132.00	49,99,720.00
142	R2-SE-6-2-b	Constructing on sewer brick masonry conical Robohole 1.5 M. dia. at bottom and 0.56 M dia. at top including C.I. Extra.Heavy	135.00	no.	90,305.00	1,21,91,175.00
143	R2-SE-6-2-c	Extra for above Robohole per metre depth above 2.3M and upto 5 M including safety chain and extra C.I steps on other side of	272.80	MD	34,099.00	93,02,207.20
144	R2-SE-6-2-d	Extra for above Robohole per metre depth above 5.0 M and upto 9 M including safety chain and extra C.I steps on other side of	207.00	MD	48,097.00	99,56,079.00
145	R2-SE-6-8	Constructing on sewer brick masonry scraper Robohole 1.5 m x 1.5 m at bottom and 1.2 m x0.9 m at top, including C.I. EHD	29.00	no	2,26,634.00	65,72,386.00
146	R2-SE-6-8-a	Extra for above Robohole per metre depth above 2.9 m and upto 5 m including safety chain and extra C.I steps on other side of	52.00	MD	40,863.00	21,24,876.00
147	R2-SE-6-8-b	Do- -do- above 5 M depth and upto 9 M depth -do- -do- as per description in Item No.R2-SE-6-1	1.00	MD	59,228.00	59,228.00
148	R2-SE-6-3	Constructing on sewer brick masonry conical manhole 1.8M dia. at bottom 0.56M dia at top, including C.I. Extra heavy Duty	9.00	no	1,18,400.00	10,65,600.00
149	R2-SE-6-3-a	Extra for above Robohole per metre depth above 2.9M and upto 5 M including safety chain and extra C.I steps on other side of	19.00	MD	39,365.00	7,47,935.00
150	R2-SE-6-3-b	Extra for above Robohole per metre depth above 5.0 M and upto 9 M including safety chain and extra C.I steps on other side of	36.00	MD	54,724.00	19,70,064.00
151	R2-SE-6-3-c	Extra for above Robohole per metre depth above 9.0 M and upto 11.0 M including safety chain and extra C.I steps on other side of	9.00	MD	77,319.00	6,95,871.00
152	R2-SE-6-10	Constructing on sewer brick masonry scraper manhole 1.8M x 1.8M at bottom and 1.2M x 0.9M at top , including C.I.	3.00	no	2,44,834.00	7,34,502.00
153	R2-SE-6-10-a	Extra for above Robohole per metre depth above 2.9M and upto 5 M including safety chain and extra C.I steps on other side of	7.00	MD	47,050.00	3,29,350.00
154	R2-SE-6-10-b	Extra for above Robohole per metre depth above 5.0 M and upto 9 M including safety chain and extra C.I steps on other side of	12.00	MD	67,830.00	8,13,960.00
155	R2-SE-6-10-c	Extra for above Robohole per metre depth above 9.0 M and upto 11.0 M including safety chain and extra C.I steps on other side of	4.00	MD	94,947.00	3,79,788.00
156	R2-SE-7-1	Providing 150 mm dia stoneware pipes of SP2 class in vertical drop of 0.6M including 150 mm dia stone ware pipe fixed in brick	60.00	no	4,220.00	2,53,200.00
157	R2-SE-7-1-a	Extra over above per additional metre depth -do- -do- as per above item.	143.00	MD	3,234.00	4,62,462.00
158	R2-SE-9-1	Providing R.C.C. Spun vent shaft 7.3M in height embedded in M15 cement concrete Including flue chamber etc.complete	49.00	no.	52,114.00	25,53,586.00
159	R2-SE-12-13	Pumping out water from drainage trenches by 5 H.P. pump per shift of 8 hours.	140.00	per shift	1,995.00	2,79,300.00
160	R2-SE-12-14	Pumping out water from drainage trenches by 10 H.P. pump per shift of 8 hours.	137.50	per shift	2,394.00	3,29,175.00
161	R2-RW-7-37	(a) To carry out total station survey of the road with reference to existing co-ordinate system by establishing control stations by	1.00	upto 500 mtr.	20,182.50	20,182.50
162	R2-RW-7-38	(a) To carry out total station survey of the road with reference to existing co-ordinate system by establishing control stations by	8.00	per 100 mtr.	3,900.00	31,200.00
163	R2-SE-12-9	500mm dia to 600mm dia pipe hole cut in to masonry of Robohole of sewer and the pipe stopped round with cement and	1.00	No.	777.00	777.00
164	R2-RW-1-18	Levelling, watering & rolling by vibratory roller IDD-22 weighing not less than 10 tonnes & preparing the ground to the	540.00	Sqm	19.00	10,260.00
165	R2-SE-1-4-b	Providing and removing closed shoring and strutting in the trenches/ pits for all depths as per specifications/ drawings and or	1431.00	cum	8,586.00	1,22,86,566.00
166	R2-SE-1-5-a	Leaving shoring in trenches. (New or old) including dog spikes	299.00	cum	15,561.00	46,52,739.00
167	R2-RW-5-24	Providing and applying TACK COAT with CATIONIC BITUMEN EMULSION (RS) @ 0.25 to 0.30 Kg. of Sq.mt. over	2210.00	Sqm	35.00	77,350.00
168	R2-SE-13-3	Excavation to form horizontal bore manually for installing 1200mm(ID) RCC sewer line by pipe jacking method for	40.00	Rmt.	66,582.00	26,63,280.00
169	R2-SE-13-4	Approved 1200 mm diameter mild steel (M.S) pipe (16mm thickness) sleeveconforming to jacking pipe as per IS	40.00	Rmt.	65,056.00	26,02,240.00
170	R2-SE-13-2	Approved 600mm diameter reinforced concrete pipe conforming to jacking pipe standards like JSWAS A-6, ASTM C-76 SS 183	40.00	Rmt.	38,142.00	15,25,680.00
171	R2-SE-13-5	Grouting in annular spaces for between carrier and casing pipe with cement mortar (1:3) including necessary additive,equipment	35.00	cum	6,938.00	2,42,830.00
172	R2-SE-12-15	Extra for providing locking arrangement to C.I. EHD Circular manhole frame and cover above the rate of providing and fixing	24.00	No	1,038.00	24,912.00

Sr. No.	Item Code No.	Description	Total Quantity	Unit	Rate	Amount
173	R2-BW-1-01	Providing and transporting necessary and adequate plant and equipment to site with in a lead of 50 km for taking trial bores or	1.00	Each unit	27,500.00	27,500.00
174	R2-BW-1-02	Shifting and locating the drilling equipment from one location to another within a lead of 500 m between successive locations	1.00	Each shift	1,100.00	1,100.00
175	R2-BW-1-03-a	Taking trial bores upto 150 mm dia. for subsoil investigation through overburden and soil for establishing bore hole location,	24.00	Rmt	1,100.00	26,400.00
176	R2-BW-1-05-a	Taking trial bores for subsoil investigation through rock using rotary drilling equipment with NX size diamond core drilling bits	16.00	Rmt	1,760.00	28,160.00
177	R2-BW-1-05-b	Taking trial bores for subsoil investigation through rock using rotary drilling equipment with NX size diamond core drilling bits	40.00	Rmt	2,090.00	83,600.00
178	R2-BW-1-14	Conducting Standard penetration test as per specifications in soil at various levels of bore holes and reporting the results in the	4.00	No.	330.00	1,320.00
179	R2-BW-1-15-b	Collecting disturbed samples of soil from bore holes as per specifications and delivering the same to the testing laboratory	4.00	No.	165.00	660.00
180	R2-BW-1-16	Collecting undisturbed samples of soil as per specification at any depth in M .S. black tube 100 mm Dia 450mm long , sealed at	4.00	No.	495.00	1,980.00
181	R2-BW-1-17	Collecting soil samples and subsoil water samples in glass or plastic bottles / jars from trial bore holes and getting the same	4.00	No.	110.00	440.00
182	R2-BW-1-21-a	i) Natural moisture content (NMC) of soil by Oven Drying method	8.00	No	165.00	1,320.00
183	R2-BW-1-21-b	a) Liquid limit	8.00	No	165.00	1,320.00
184	R2-BW-1-21-c	b) Plastic limit	8.00	No	165.00	1,320.00
185	R2-BW-1-21-d	c) Shrinkage limit	8.00	No	165.00	1,320.00
186	R2-BW-1-21-e	a) Sieve Analysis	8.00	No	220.00	1,760.00
187	R2-BW-1-21-g	iv) In-situ density of soil samples	8.00	No	165.00	1,320.00
188	R2-BW-1-21-h	v) Specific gravity	8.00	No	165.00	1,320.00
189	R2-BW-1-21-i	vi) Unconfined compressive strength of rock samples, including determination of percentage of water absorption and density.	8.00	No	550.00	4,400.00
190	R2-BW-1-28	Conducting Unconfined compression test on undisturbed soil samples or soil samples compacted t specified density in	4.00	No	385.00	1,540.00
191	R2-RW-7-08	Breaking and removing existing CC slab over culvert coping etc.	32394.04	Sq.m.	1,315.00	4,25,98,162.60
192	R2-RW-7-33	Providing placing in position, levelling, fixing M 25 Grade R.C.C.	1560.00	Each	2,235.00	34,86,600.00
193	R2-SWD-175	Supplying of 0.6m x 0.5m clear internal size of MS.	1404.00	Nos.	9,328.00	1,30,96,512.00
194	R2-CS-PS-168-g	Providing laying non pressure NP2	4100.00	Rmt.	1,808.00	74,12,800.00
195	R2-RW-3-42	Providing and fixing CC kerb stone	27212.00	Rmt.	1,560.00	4,24,50,720.00
196	R2-SWD-182-b	Supplying and fixing 0.56 m internal dia. Cover	302.00	Each	11,657.00	35,20,414.00
197	R2-RW-7-10	Milling upto 75 mm depth	3087.00	Sq.m.	82.00	2,53,134.00
198	R2-RT-15-05	Providing, casting, fixing Precast Type-I	3100.00	Rmt.	3,149.00	97,61,900.00
199	R2-RT-16-35	Supplying/ fixing of One Way Raised Pavement Markers	46351.00	Nos.	420.00	1,94,67,420.00
200	R2-RW-10-29	Providing and Laying RMC M-20	8619.00	Cu.m.	7,055.00	6,08,07,045.00
201	R2-RT-16-14	Circular Steel Bollards	1422.00	Nos.	16,062.00	2,28,40,164.00
202	R2-HE-2-16	Removing of existing MS frame and covers	21707.00	Each	78.00	16,93,146.00
203	RW-13-6	Providing and supplying loading unloading on site factory made RCC drain	6.44	Rmt.	30,300.00	1,95,266.67
204	RW-13-12	Providing and supplying loading unloading on site factory made RCC drain	12.89	Nos.	7,150.00	92,155.56
205	R2-CS-EW-17	Excavation by chieseling	1758.49	Cum.	967.00	17,00,457.41
206	R2-RW-10-05	Providing and laying RCC running Beam in M-40	1264.00	Rmt.	805.00	10,17,520.00
207	R2-RT-16-25	Mandatory & Cautionary Board – Providing, Fabricating, Erecting on site Mandatory & Cautionary Boards (of type 1S-A-	4.00	Nos	6,469.00	25,876.00

Sr. No.	Item Code No.	Description	Total Quantity	Unit	Rate	Amount
208	R2-BW-5-7-k	Providing, fitting and fixing mild steel railing complete as per drawing and Technical Specification	58.00	Rmtr	3,096.00	1,79,568.00
209	R2-RW-10-55	Excavation in reinforced OR pavement grade concrete M-20 & above by using modern machinery (poelain with rock	573.00	CuM	1,525.00	8,73,825.00
210	R2-SE-6-1	Constructing on sewer brick masonry conical manholes 1.2M dia. at bottom 0.56 M. dia. at top, built in brick masonry in cement	112.00	Nos.	62,019.00	69,46,128.00
211	R2-SE-6-1-a	Extra over above per metre depth above 1.5 M. and upto 2.3 M. depth -do- -do-	67.60	MD	18,654.00	12,61,010.40
212	R2-SE-12-7	230 mm dia to 300 mm dia pipe hole cut into masonry of manhole of	117.00	No	407.00	47,619.00
213	R2-HE-1-6-e	Providing & laying DI Watermain 300 mm dia. Pipe	126.00	RM	3,679.00	4,63,554.00
214	R2-HE-2-1-e	Supplying mild steel pipes to site of work / any municipal store fabricated in any ISI/ ISO certified company, from mild steel	14.00	Rmt	3,018.00	42,252.00
215	R2-HE-6-1a-f	Providing and fixing C.I. Mechanical collar etc as per the item 300mm dia.	3.00	Each	13,671.00	41,013.00
216	R2-HE-2-12-C	Field welding in all position with required no of run for MS Pipes etc as	9.00	RM	1,418.00	12,762.00
217	R2-HE-2-13-B	Field welding in all position with required number of runs, for Lap Joints Leg Length 6 mm thk. - 35% of	4.00	RM	601.00	2,404.00
218	R2-HE-2-14-b	Gas cutting either square or v cut complete 5m to 10mm 6 mm plate	10.00	RM	336.00	3,360.00
219	R2-HE-4-1-o	Making connection on live CI/DI main of various sizes including cutting of pipes etc. complete as per item 300 mm	2.00	Each	45,000.00	90,000.00
220	R2-HE-3-6-g	supplying loading transporting on site unloading ISI mark Glandless sluice	1.00	Nos.	99,945.00	99,945.00
221	R2-HE-8-4	Providing & laying on site rubble soling, 200 mm thk.	5.00	Sqm	332.00	1,660.00
222	R2-CS-CW-1-c	Providing and laying in position plain cement concrete of specified grade cement with trap/granite/quartzite/gneiss metal	2.00	Cum	6,236.00	12,472.00
223	R2-CS-MW-1-b	Brick work with common burnt clay F.P.S. (non modular) bricks Cement mortar 1:4	2.00	Cum	5,807.00	11,614.00
224	R2-SE-4-3	Providing & Applying CS plaster, 20mm thk, 1:2	5.25	Sqm	376.00	1,974.00
225	R2-SE-2-6	Providing & laying M:15 CC coping etc as per item	5.00	Cum	8,067.00	40,335.00
226	R2-CS-DD-52	Dismantling of flexible pavement (bituminous,WBM and WMM courses) by mechanical means and disposal of dismantled material	0.00	Sqm	305.00	-
227	R2-RW-5-50	P/L DBM with 4.5 % bitumen content of grade 60/70	802.00	Cum	8,797.00	70,55,194.00
228	R2-RT-16-44	Providing and fixing rumblers of rubberised material	1433.80	RMT	1,551.00	22,23,823.80
229	R2-RT-16-09	Providing, fabricating and erecting on site Street Name Board (of type 2S-A-1 and 2S-F) as per the design incorporated in the	101.00	No	16,539.00	16,70,439.00
230	R2-CS-CW-35-a	Providing and fixing in position steel bars reinforcement of various diameters for R.C.C. pile, pile caps,	84.08	Each	70,486.00	59,26,462.88
231	R2-RW-12-12	Repair of joint Grooves with Epoxy Mortar Repair of spalled joint	100.00	RMT	2,325.00	2,32,500.00
232	R2-RW-12-13	Repair of old Joints Sealant (Removal of existing sealant and re sealing of contraction, longitudinal or expansion joints in concrete	110.00	cum	58.00	6,380.00
233	R2-RW-3-22	Removing the paver blocks of any thickness, size, & colour from carriage way OR footpath & transporting the same to ward depot	196688.00	Sqm	157.00	3,08,80,016.00
234	R2-CS-EW-16	Excavation over areas for basements, roads, land/plot developement in soft/ disintegrated rock, sand stone, stiff clay,	381654.00	cum	343.00	13,09,07,322.00
235	HE-7-3	Removing and replacing existing GI pipes with new GI pipes in trenches of following class and diameter by wrapping them by				
236	R2-HE-7-3-a	15 mm	3750.00	R.Mt.	115.00	4,31,250.00
237	R2-HE-7-3-b	20 mm	3750.00	R.Mt.	132.00	4,95,000.00
238	R2-HE-7-3-c	25 mm	3750.00	R.Mt.	157.00	5,88,750.00
239	R2-HE-7-3-d	32 mm	1000.00	R.Mt.	177.00	1,77,000.00
240	R2-HE-7-3-e	40 mm	1000.00	R.Mt.	228.00	2,28,000.00
241	R2-HE-7-3-f	50 mm	1000.00	R.Mt.	255.00	2,55,000.00
242	R2-SWD-146	Supplying and fixing 1.20m x 0.90m internal size of rectangular C.I. air-tight cover and frame weighing	429.00	Nos	94,200.00	4,04,11,800.00

Sr. No.	Item Code No.	Description	Total Quantity	Unit	Rate	Amount
243	R2-SWD-158	Extra for providing locking arrangement to C.I.Circular /rectangular manhole frame & cover over and above the	2047.00	Each	798.00	16,33,506.00
244	R2-HE-8-25	Removing of existing S.P. fire hydrants and replacing them with new SP fire hydrants with its complete assembly including	55.00	Nos	15,104.00	8,30,720.00
245	R2-RW-4-03	Removing existing kerb stones, cleaning off old mortar, carting away	36626.00	R.Mt.	32.00	11,72,032.00
246	R2-RW-4-08	Removing existing water tables/cleaning off old mortar & carting away	36451.00	R.Mt.	32.00	11,66,432.00
247	R2-RW-10-13	Providing & fixing in position premoulded asphalt filler 12mm thick conforming to I.S. 1838 of 1983 for placing of the expansion	17957.00	Sqm	352.00	63,20,864.00
248	R2-RW-10-25	Dressing of M-35 & above new C.C.pavement,dummy,transverse,longitudinal & expansion joints	28317.00	R.Mt.	60.00	16,99,020.00
249	HE-8-13	Supplying & fixing on chambers, 90 cms. x 60 cms.C.I. rectangular, heavy frame and cover weighing between 259 kg.to	1887.00	Each	25,110.00	4,73,82,570.00
250	R2-SWD-44	Providing and laying Brick masonry in cement mortar 1:3 for manholes with 12 mm thick plaster ( in cement	2446.00	Cum	14,548.00	3,55,84,408.00
251	R2-RW-10-32	Providing and laying Dry Lean Concrete base including providing coarse and fine aggregate to	21809.00	Cum	4,481.00	9,77,26,129.00
252	R2-SWD-153-A	Constructing cofferdam of puddle bags with clay etc. as specified & as directed by Engineer in Charge	300.00	Cum	5,282.00	15,84,600.00
253	R2-SWD-169	Providing & Fixing 0.60m X 0.50m clear internal size of M.S. Galvanised hinged type grating and frame (weighing	63.00	Nos	9441	5,94,783.00
254	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	435.00	Each	11641	50,63,835.00
255	R2-RW-7-05	Cutting down existing stone/ brick masonry compound walls, abutments, piers, wing-walls etc.including stacking the	3280.00	Cu.m	211	6,92,080.00
256	R2-CS-RF-7-F-FAIR	Leak proof Shuttering for Encasement : Providing, fabricating & fixing the leak-proof shuttering made with marine plywood/M.S.	14735.00	sqm	483	71,17,005.00
257	R2-CS-RF-7-C-FAIR	Leak-proof Shuttering for Encasement: Providing, fabricating & fixing the leak-proof shuttering made with marine plywood/ M.S.	23903.00	SqM	568	1,35,76,904.00
258	R2-SWD-183	Supplying and fixing 1.20m x 0.90m (2 nos of 0.60m x 0.90m ) internal size rectangular D.I. air-tight hinged type cover and	489.00	Nos	52771	2,58,05,019.00
259	R2-RW-3-11	Providing & fixing 80 mm thick interlocking unishape concrete pavers (monolithic -single layer precast concrete blocks) of gray	240.00	Sq.m	871	2,09,040.00
260	R2-RW-5-29	Providing and applying TACK COAT with bitumen VG-30 bitumen @ 0.25 to 0.30 Kg. of Sq.mt. over prepared surface to	9525.00	sqm	34	3,23,850.00
261	R2-RW- 5-04-A	P/L MINIMUM 30 mm hot Premix Bituminous Concrete with 6.00 % BITUMEN (VG-30 Grade + WASTE PLASTIC) content	246.00	Sqm	334	82,164.00
262	R2-RW-5-65	P/L, mastic asphalt 25 mm thick with 10/20 grade bitumen including producing the same at computerised batch mix plant,	1149.00	sqm	1079	12,39,771.00
263	R2-SWD-58	Providing 20 mm thick cement plaster in cement mortar	5079.00	Sq.Mt.	376	19,09,704.00
264	R2-RW-10-34	P/L R.M.C. M-25 C.C.having avg. compressive strength 29 Mpa	11694.00	Cu.m	7291	8,52,60,954.00
265	R2-RT-16-33	Providing and applying hot applied thermoplastic road marking material with glass beads extremely high skid resistance 2.5mm	9724.00	Rmt	662	64,37,288.00
266	R2-SWD-143	Constructing single water entrance of internal size 0.45m x 0.45m with cast-in-situ coping in M-20 grade, fixing of grating in M -20	19.00	Nos.	10575	2,00,925.00
267	R2-RW-10-20	Resealing of joints of M-35 & above C.C. old pavement with hot a	557.00	RM	66	36,762.00
268	R2-RW-10-21	Resealing of joints of M-35 & above C.C. old pavement with hot applied sealing compounds conforming to IS-1834-1984	2940.00	RM	83	2,44,020.00
269	R2-SWD-174	Supply of 0.45m X 0.45m clear internal size of M.S. Galvanised hinged type grating and frame (weighing minimum 53 kg) of	47.00	Nos.	6962	3,27,214.00
270	R2-RW-6-06	Removing the old C.I. curicular frame & cover and delivering the same to any Municipal depot or workshop, as directed.	56.00	Each	147	8,232.00
271	R2-RW-7-01	Removing & refixing traffi cregulatory boards/bus stop boards/street name boards etc. in M-10 cement concrete,	146.00	Each	881	1,28,626.00
272	R2-RW-7-02	Removing traffic regulatory boards/bus stop boards with bracket etc., to ward chowky complete, as directed.	90.00	Each	197	17,730.00
273	R2-HE-8-24	Removing and refixing of existing S.P. fire hydrants for replacing of mouth piece, duck foot bend, Sluice valve, as required as per	2.00	EA	1452	2,904.00
274	R2-RT-16-23	Providing, Fabricating, Erecting on site Mandatory Boards as per drawing no Mandatory Sign Drawing M1, Vertical poles shall be	3.00	Nos	8743	26,229.00
275	R2-SWD-60	Providing 25 mm thick cement plaster in cement mortar 1:2 including neat cement rendering (without water	230.00	sqm	504	1,15,920.00
276	R2-CS-PS-169-A-2	Constructing brick masonry inspection chamber in cement mortar 1:4 ( 1 cement : 4 coarse sand ) with R.C.C. top slab with 1:2:4	104.00	Each	9782	10,17,328.00
277	R2-SE-5-1-e	Providing & laying stoneware pipes of SP2 class including jointing with CM(1:1), filleting etc. complete as specified &	417.60	RM	1586	6,62,313.60



Sr. No.	Item Code No.	Description	Total Quantity	Unit	Rate	Amount
278	R2-CS-PS-169-C-2	Constructing brick masonry inspection chamber in cement mortar 1:4 (1 cement : 4 coarse sand ) with R.C.C. top slab with 1:2:4	97.00	Each	26142	25,35,774.00
279	R2-RT-16-24	Providing, Fabricating, Erecting on site Cautionary Boards as per Cautionary Sign Drawing No C2,	52.00	NOS	10903	5,66,956.00
280	FA-TR-2018-07	SS single Arrow Street Name Board	65.00	Nos.	29974	19,48,310.00
281	R2-SWD-119	Providing and Constructing brick masonry inspection chamber rectangular 0.9M x 0.60M and 0.6M deep on	447.00	EA	49457	2,21,07,471.21
282	R2-SWD-148	Supplying and fixing 0.90m x 0.60m internal size of rectangular C.I. air-tight cover and frame weighing minimum 270 of material	640.00	EA	31371	2,00,77,440.00
283	R2-SWD-120	Extra over item no R2-SWD-119 per meter depth above	447.00	RMT	15442	69,02,748.33
284	FA-TR-2018-11	School zone sign / pedestrian crossing board / accident prone spot	6.00	Nos	13294	79,764.00
285	R2-GW-7-11	Supply and Spreading of Red Hill Earth Red hill earth free from grass, stones, rubbles redish in colour pass through 5 mm sieve	435.80	Cum	1283	5,59,131.40
286	R2-SE-10-3	Supplying and fixing 0.56m dia C.I. Circular extra heavy duty (EHD) airtight frame and cover weighing minimum 230 kg fixed	370.00	Each	29935	1,10,75,950.00
287	R2-RT-14-16	Cutting of two rows RCC/PQC Carriage way slab up to slab depth by special RCC Cutting machine (Dimond cutter) for laying duct	1118.00	RMT	6650	74,34,700.00
288	R2-RT-16-26	Providing, Fabricating, Erecting on site Mandatory Boards as per drawing no Mandatory Sign Drawing M2, Vertical poles shall be	35.00	EA	15798	5,52,930.00
289	R2-RT-16-30	TRIANGULAR AND RECTANGULAR BAORD – Providing, Fabricating, Erecting on site Mandatory Boards (of type IS-A-	10.00	EA	18245	1,82,450.00
290	R2-RW-8-01	P/L 150mm dia.R.C.C.humepipes , NP2class, jointing , filling in 1:1 cement mortar, including plugging of both the ends with	1500.00	Rmt	454	6,81,000.00
291	R2-SWD-175-A	Providing & Fixing 0.60m X 0.50m clear internal size of DI hinged type grating and frame (weighing minnum 80 kg) with	313.00	EA	14786	46,28,018.00
292	R2-SE-9-2	C.I. Shoe bend 150 mm dia fixed complete including cutting through masonry, cornices etc. and making good the same	39.00	No.	1670	65,130.00
293	R2-SE-9-3	Collar for C.I.pipes 150mm.dia.fixed complete including painting.	39.00	No.	4885	1,90,515.00
294	R2-RW-10-45	Providing & laying M-60 C.C .and having avg. flextural strength of 5.0 MPa in 3 days procured from M.C.G.M. approved R.M.C.	3433.40	CuM	9828	3,37,43,455.20
295	R2-RW-10-22	Resealing of joints of M-35 & above C.C. old pavement with hot applied sealing compounds conforming to IS-1834-1984	470.00	R.Mt.	74	34,780.00
296	R2-SE-7-2	Providing 230mm dia stone ware pipes of SP2 class in vertical drop of 0.6M including 230mm dia stone ware pipe fixed in brick	250.00	No	7818	19,54,500.00
297	R2-SE-7-2-a	Extra over above per additional metre depth--do-as per above item.	250.00	m. depth	4992	12,48,000.00
298	R2-SE-6-5	Constructing on sewer brick masonry trapezoidal manhole 1.5M x 1.2M at bottom and 0.9Mx0.6M at top, including C.I. EHD air	156.524	No	72618	1,13,66,459.83
299	R2-SE-6-5-a	Extra for above manhole above 1.2M and upto 2.3M depth -do-	167.20	m. depth	22899	38,28,712.80
300	R2-RW-5-06	P/L hot mixed graded Bituminous macadam with 3.30% (with tolerance of +/-0.3) of VG-30 Bitumen by weight of mix to the	2750.00	SqM	410	11,27,500.00
301	R2-RW-8-04	Providing & fixing in position M-20 cement concrete pre cast slab, 50cm x 50cm & 8cm thick with the word "DUCT"	208.00	NO	326	67,808.00
302	R2-SE-5-7-d	Providing and laying R.C.C Pipe (NP3 Class) with collar joints including jointing with CM(1:1) & filletting etc. complete as	150.00	Rmt	2201	3,30,150.00
					<b>TOTAL</b>	<b>8,11,48,08,320.93</b>
					<b>Say</b>	<b>8,11,48,08,321.00</b>

Sd/-  
E.E.(Rds)E.S. L & M/W Ward

Sd/-  
E.E.(Rds) E.S. S & M/EWard

Sd/-  
E.E.(Rds)E.S. N & T Ward