

# **Innamaadhoo Sewer Network Flow Rates**

**PS-01**

	PIPE POSITION	(M)	Slope	No of Connections	No. Of Connections Cum.	FR pipe end L/d (cum F L/D)	Q L/S	Q0 L/S	Qp = Q/Q0	Depth of flow (d), mm	PIPE DIA , I/D
1	CO1-IC1	23.4	0.004	2	2	1,790.10	0.02	16.60	0.0012	2.98	150
2	CO2-IC1	43.8	0.004	4	4	3,580.20	0.04	16.60	0.0024	5.97	150
3	IC1-IC2	33.3	0.004	2	8	7,160.40	0.08	16.60	0.0048	11.93	150
4	CO3-IC2	46.3	0.004	4	4	3,580.20	0.04	16.60	0.0024	5.97	150
5	IC2-IC3	34	0.004	2	14	12,530.70	0.14	16.60	0.0084	20.88	150
6	CO5-IC4	60	0.004	4	4	3,580.20	0.04	16.60	0.0024	5.97	150
7	IC4-IC3	53	0.004	4	8	7,160.40	0.08	16.60	0.0048	11.93	150
8	IC3-IC5	33	0.004	2	24	21,481.20	0.24	16.60	0.0144	35.80	150
9	CO6-IC6	56.5	0.004	2	2	1,790.10	0.02	16.60	0.0012	2.98	150
10	IC6-CO5	60	0.004	2	4	3,580.20	0.04	16.60	0.0024	5.97	150
11	IC5-IC7	17	0.004	0	28	25,061.40	0.28	16.60	0.0168	41.77	150
12	CO7-IC9	45.7	0.004	4	4	3,580.20	0.04	16.60	0.0024	5.97	150
13	IC9-IC8	45.7	0.004	3	7	6,265.35	0.07	16.60	0.0042	10.44	150
14	IC8-IC7	60	0.004	4	11	9,845.55	0.11	16.60	0.0066	16.41	150
15	IC7-IC10	37	0.004	1	40	35,802.00	0.40	16.60	0.0240	59.67	150
16	CO8-IC11	56.8	0.004	6	6	5,370.30	0.06	16.60	0.0036	8.95	150
17	IC11-IC10	60	0.004	4	10	8,950.50	0.10	16.60	0.0060	14.92	150
18	CO9-IC13	60	0.004	6	6	5,370.30	0.06	16.60	0.0036	8.95	150
19	CO14-IC13	29	0.004	2	2	1,790.10	0.02	16.60	0.0012	2.98	150
20	IC13-IC12	60	0.004	4	12	10,740.60	0.12	16.60	0.0072	17.90	150
21	CO13-IC12	29.3	0.004	2	2	1,790.10	0.02	16.60	0.0012	2.98	150
22	IC12-IC10	34	0.004	0	14	12,530.70	0.14	16.60	0.0084	20.88	150
23	IC10-IC14	3.3	0.004	0	64	57,283.20	0.64	16.60	0.0383	95.47	150
24	CO4-IC18	60	0.004	7	7	6,265.35	0.07	16.60	0.0042	10.44	150

25	IC18-IC17	60	0.004	3	10	8,950.50	0.10	16.60	0.0060	14.92	150
26	IC17-IC15	42.5	0.004	0	10	8,950.50	0.10	16.60	0.0060	14.92	150
27	CO10-IC15	50	0.004	4	4	3,580.20	0.04	16.60	0.0024	5.97	150
28	CO11-IC16	27	0.004	2	2	1,790.10	0.02	16.60	0.0012	2.98	150
29	CO12-IC16	40	0.004	4	4	3,580.20	0.04	16.60	0.0024	5.97	150
30	IC16-IC15	52	0.004	1	7	6,265.35	0.07	16.60	0.0042	10.44	150
31	IC15-IC14	60	0.004	4	25	22,376.25	0.25	16.60	0.0150	37.29	150
32	IC14-PS1	3.3	0.004	0	89	79,659.45	0.89	16.60	0.0533	132.77	150
	<b>Total</b>	<b>1375.9</b>		<b>89</b>							

**Innamaadhoo Sewer Network Flow Rates**  
**PS-02**

	PIPE POSITION	(M)	Slope	No of Connectio ns	No. Of Connectio ns Cum.	FR pipe end L/d (cum F L/D)	Q L/S	Q0 L/S	Qp = Q/Q0	Depth of flow (d), mm	PIPE DIA , I/D
1	CO15-IC19	45	0.004	4	4	3,580.20	0.04	16.60	0.0024	5.97	150
2	CO16-IC19	45	0.004	2	2	1,790.10	0.02	16.60	0.0012	2.98	150
3	IC19-IC20	34.6	0.004	1	7	6,265.35	0.07	16.60	0.0042	10.44	150
4	CO17-IC20	46.2	0.004	4	4	3,580.20	0.04	16.60	0.0024	5.97	150
5	IC20-IC21	33.6	0.004	1	12	10,740.60	0.12	16.60	0.0072	17.90	150
6	CO18-IC22	52	0.004	4	4	3,580.20	0.04	16.60	0.0024	5.97	150
7	IC22-IC21	58	0.004	4	8	7,160.40	0.08	16.60	0.0048	11.93	150
8	IC21-IC23	33.2	0.004	1	21	18,796.05	0.21	16.60	0.0126	31.33	150
9	CO19-IC25	54.3	0.004	4	4	3,580.20	0.04	16.60	0.0024	5.97	150
10	IC25-IC24	60	0.004	4	8	7,160.40	0.08	16.60	0.0048	11.93	150
11	IC24-IC23	57	0.004	4	12	10,740.60	0.12	16.60	0.0072	17.90	150
12	IC23-IC26	35	0.004	1	34	30,431.70	0.34	16.60	0.0204	50.72	150
13	CO20-IC28	52.4	0.004	3	3	2,685.15	0.03	16.60	0.0018	4.48	150
14	IC28-IC27	59	0.004	2	5	4,475.25	0.05	16.60	0.0030	7.46	150
15	IC27-IC26	59	0.004	2	7	6,265.35	0.07	16.60	0.0042	10.44	150
16	IC26-IC34	43.8	0.004	2	43	38,487.15	0.43	16.60	0.0258	64.15	150
17	CO21-IC29	56	0.004	9	9	8,055.45	0.09	16.60	0.0054	13.43	150
18	CO22-IC30	36.8	0.004	4	4	3,580.20	0.04	16.60	0.0024	5.97	150
19	CO23-IC30	29	0.004	5	5	4,475.25	0.05	16.60	0.0030	7.46	150
20	IC30-IC29	18	0.004	0	18	16,110.90	0.18	16.60	0.0108	26.85	150
21	IC29-IC31	44.8	0.004	4	22	19,691.10	0.22	16.60	0.0132	32.82	150
22	IC31-IC33	52	0.004	5	27	24,166.35	0.27	16.60	0.0162	40.28	150
23	CO24-IC32	57	0.004	5	5	4,475.25	0.05	16.60	0.0030	7.46	150
24	IC32-IC33	8	0.004	1	6	5,370.30	0.06	16.60	0.0036	8.95	150

25	IC33-IC34	29.3	0.004	0	33	29,536.65	0.33	16.60	0.0198	49.23	150
26	IC34-PS2	6	0.004	0	76	68,023.80	0.76	16.60	0.0455	113.37	150
	<b>Total</b>	<b>1105</b>		<b>76</b>							

# **Innamaadhoo Sewer Network Flow Rates**

**PS-03**

	PIPE POSITION	(M)	Slope	No of Connectio ns	No. Of Connectio ns Cum.	FR pipe end L/d (cum F L/D)	Q L/S	Q0 L/S	Qp = Q/Q0	Depth of flow (d), mm	PIPE DIA , I/D
1	CO25-IC35	36.66	0.004	4	4	3,580.20	0.04	16.60	0.0024	5.97	150
2	IC35-IC36	33	0.004	2	6	5,370.30	0.06	16.60	0.0036	8.95	150
3	CO26-IC36	39	0.004	4	4	3,580.20	0.04	16.60	0.0024	5.97	150
4	CO27-IC49	50	0.004	5	5	4,475.25	0.05	16.60	0.0030	7.46	150
5	IC49-IC36	34.4	0.004	0	5	4,475.25	0.05	16.60	0.0030	7.46	150
6	IC36-IC37	36	0.004	2	17	15,215.85	0.17	16.60	0.0102	25.36	150
7	CO29-IC37	52	0.004	3	3	2,685.15	0.03	16.60	0.0018	4.48	150
8	CO32-IC37	29.3	0.004	2	2	1,790.10	0.02	16.60	0.0012	2.98	150
9	IC37-IC38	36.5	0.004	0	22	19,691.10	0.22	16.60	0.0132	32.82	150
10	CO33-IC38	32.2	0.004	3	3	2,685.15	0.03	16.60	0.0018	4.48	150
11	CO30-IC38	35	0.004	4	4	3,580.20	0.04	16.60	0.0024	5.97	150
12	IC38-IC39	39	0.004	1	30	26,851.50	0.30	16.60	0.0180	44.75	150
13	CO34-IC39	44.8	0.004	7	7	6,265.35	0.07	16.60	0.0042	10.44	150
14	CO31-IC39	34	0.004	5	5	4,475.25	0.05	16.60	0.0030	7.46	150
15	IC39-IC40	36.5	0.004	2	44	39,382.20	0.44	16.60	0.0264	65.64	150
16	CO35-IC40	42	0.004	8	8	7,160.40	0.08	16.60	0.0048	11.93	150
17	CO40-IC43	60	0.004	2	2	1,790.10	0.02	16.60	0.0012	2.98	150
18	IC43-IC42	46.3	0.004	2	4	3,580.20	0.04	16.60	0.0024	5.97	150
19	CO37-IC42	44	0.004	4	4	3,580.20	0.04	16.60	0.0024	5.97	150
20	CO39-IC42	40	0.004	3	3	2,685.15	0.03	16.60	0.0018	4.48	150
21	IC42-IC41	34.3	0.004	0	11	9,845.55	0.11	16.60	0.0066	16.41	150
22	CO36-IC41	43.2	0.004	8	8	7,160.40	0.08	16.60	0.0048	11.93	150
23	CO38-IC41	32.3	0.004	6	6	5,370.30	0.06	16.60	0.0036	8.95	150
24	IC41-IC40	40	0.004	0	25	22,376.25	0.25	16.60	0.0150	37.29	150
25	IC40-IC44	36.6	0.004	3	80	71,604.00	0.80	16.60	0.0479	119.34	150

26	CO28-IC48	52.4	0.004	3	3	2,685.15	0.03	16.60	0.0018	4.48	150
27	IC48-IC47	41	0.004	1	4	3,580.20	0.04	16.60	0.0024	5.97	150
28	IC47-IC46	54.5	0.004	2	6	5,370.30	0.06	16.60	0.0036	8.95	150
29	IC46-IC45	55.5	0.004	1	7	6,265.35	0.07	16.60	0.0042	10.44	150
30	IC45-IC44	40	0.004	0	7	6,265.35	0.07	16.60	0.0042	10.44	150
31	IC44-PS3	2	0.004	0	87	77,869.35	0.87	16.60	0.0521	129.78	150
	<b>Total</b>	<b>1232.46</b>		<b>87</b>							

# **Innamaadhoo Sewer Network Flow Rates**

**PS - 04**

	PIPE POSITION	(M)	Slope	No of Connectio ns	No. Of Connectio ns Cum.	FR pipe end L/d (cum F L/D)	Q L/S	Q0 L/S	Qp = Q/Q0	Depth of flow (d), mm	PIPE DIA , I/D
1	CO52-IC51	57.4	0.004	2	2	1,790.10	0.02	16.60	0.0012	2.98	150
2	CO41-IC50	16.7	0.004	2	2	1,790.10	0.02	16.60	0.0012	2.98	150
3	IC50-IC51	58.6	0.004	5	9	8,055.45	0.09	16.60	0.0054	13.43	150
4	IC51-IC52	35.5	0.004	0	9	8,055.45	0.09	16.60	0.0054	13.43	150
5	CO42-IC52	60	0.004	5	5	4,475.25	0.05	16.60	0.0030	7.46	150
6	IC52-IC53	38.5	0.004	1	15	13,425.75	0.15	16.60	0.0090	22.38	150
7	CO43-IC53	60	0.004	7	7	6,265.35	0.07	16.60	0.0042	10.44	150
8	IC53-IC54	33.3	0.004	0	22	19,691.10	0.22	16.60	0.0132	32.82	150
9	CO44-IC55	43	0.004	6	6	5,370.30	0.06	16.60	0.0036	8.95	150
10	IC55-IC54	30.6	0.004	4	10	8,950.50	0.10	16.60	0.0060	14.92	150
11	IC54-IC56	30.85	0.004	1	33	29,536.65	0.33	16.60	0.0198	49.23	150
12	CO45-IC57	42	0.004	8	8	7,160.40	0.08	16.60	0.0048	11.93	150
13	IC57-IC56	31	0.004	4	12	10,740.60	0.12	16.60	0.0072	17.90	150
14	CO51-IC66	58.5	0.004	2	2	1,790.10	0.02	16.60	0.0012	2.98	150
15	IC66-IC56	60	0.004	2	4	3,580.20	0.04	16.60	0.0024	5.97	150
16	CO49-IC63	59.6	0.004	3	3	2,685.15	0.03	16.60	0.0018	4.48	150
17	CO48-IC63	48.5	0.004	1	1	895.05	0.01	16.60	0.0006	1.49	150
18	CO50-IC65	38	0.004	2	2	1,790.10	0.02	16.60	0.0012	2.98	150
19	IC65-IC64	40	0.004	2	4	3,580.20	0.04	16.60	0.0024	5.97	150
20	IC64-IC63	22.2	0.004	0	4	3,580.20	0.04	16.60	0.0024	5.97	150
21	IC63-IC62	45.2	0.004	2	9	8,055.45	0.09	16.60	0.0054	13.43	150
22	IC62-IC60	35.2	0.004	0	9	8,055.45	0.09	16.60	0.0054	13.43	150
23	CO47-IC61	41.3	0.004	5	5	4,475.25	0.05	16.60	0.0030	7.46	150
24	IC61-IC60	28	0.004	2	7	6,265.35	0.07	16.60	0.0042	10.44	150

25	IC60-IC58	35.2	0.004	0	16	14,320.80	0.16	16.60	0.0096	23.87	150
26	CO46-IC59	41.5	0.004	8	8	7,160.40	0.08	16.60	0.0048	11.93	150
27	IC59-IC58	28.5	0.004	4	12	10,740.60	0.12	16.60	0.0072	17.90	150
28	IC58-IC56	35	0.004	0	28	25,061.40	0.28	16.60	0.0168	41.77	150
29	IC56-PS4	2	0.004	0	78	69,813.90	0.78	16.60	0.0467	116.36	150
	<b>Total</b>	<b>1156.15</b>		<b>78</b>							