

Table 14.5.1.33 Population of Hazaribag Trunk Main (Year 1991)

Zone	Hazaribag LS			New Market LS			Trunk Main No.1			Moghazar LS		
	Established Urban Urban Fringe		Sub-Total Security Zone	Established Urban Urban Fringe		Sub-Total Security Zone	Established Urban Urban Fringe		Sub-Total Urban Fringe	Established Urban Urban Fringe	Sub-Total Urban Fringe	Total
	Urban	Security Zone		Urban	Security Zone		Urban	Security Zone		Urban	Security Zone	
1	SPZ Area (ha)	858	0	858	858	0	858	858	0	858	858	0
	Service Area (ha)	0	0	0	5	0	5	88	0	88	84	0
	Density (person/ha)	287	0	0	287	0	287	0	287	0	287	287
	Population (person)	0	0	1,435	0	1,435	25,256	0	25,256	24,108	0	24,108
2	SPZ Area (ha)	1,288	0	1,288	0	1,288	0	1,288	0	1,288	0	1,288
	Service Area (ha)	0	0	0	475	0	475	0	0	20	0	20
	Density (person/ha)	297	0	0	297	0	297	0	0	297	0	297
	Population (person)	0	0	0	141,075	0	141,075	0	0	5,940	0	5,940
3	SPZ Area (ha)	1,121	0	1,121	1,121	0	1,121	1,121	0	1,121	1,121	0
	Service Area (ha)	0	0	0	22	0	22	0	0	0	0	0
	Density (person/ha)	791	0	0	791	0	791	0	0	791	0	791
	Population (person)	0	0	0	17,402	0	17,402	0	0	0	0	0
4	SPZ Area (ha)	1,059	0	1,059	1,059	0	1,059	1,059	0	1,059	1,059	0
	Service Area (ha)	142	0	142	103	0	103	0	0	0	0	0
	Density (person/ha)	532	0	532	532	0	532	532	0	532	0	532
	Population (person)	75,544	0	75,544	54,796	0	54,796	0	0	0	0	130,340
5	SPZ Area (ha)	1,536	0	1,536	1,536	0	1,536	1,536	0	1,536	1,536	0
	Service Area (ha)	0	0	0	0	0	0	0	0	0	0	0
	Density (person/ha)	536	0	536	536	0	536	536	0	536	536	0
	Population (person)	0	0	0	0	0	0	0	0	0	0	0
6	SPZ Area (ha)	5,862	0	5,862	5,862	0	5,862	5,862	0	5,862	5,862	0
	Service Area (ha)	142	0	142	605	0	605	88	0	88	147	0
	Density (person/ha)	532	0	532	355	0	355	287	0	287	361	0
	Population (person)	75,544	0	75,544	214,708	0	214,708	25,256	0	25,256	53,096	0
7	SPZ Area (ha)	732	68	800	732	68	800	732	68	800	732	68
	Service Area (ha)	0	0	0	0	0	0	0	0	0	0	0
	Density (person/ha)	536	0	532	355	0	355	287	0	287	361	0
	Population (person)	75,544	0	75,544	214,708	0	214,708	25,256	0	25,256	53,096	0
13-1	SPZ Area (ha)	473	855	1,328	473	855	1,328	473	855	1,328	473	855
	Service Area (ha)	0	0	0	0	0	0	0	0	0	0	0
	Density (person/ha)	131	53	0	131	53	0	131	53	0	131	53
	Population (person)	0	0	0	0	0	0	0	0	0	0	0
Sub-total	SPZ Area (ha)	1,205	923	2,128	1,205	923	2,128	1,205	923	2,128	1,205	923
	Service Area (ha)	0	0	0	0	0	0	0	0	0	0	0
	Density (person/ha)	0	0	0	0	0	0	0	0	0	0	0
	Population (person)	0	0	0	0	0	0	0	0	0	0	0
Total	SPZ Area (ha)	7,067	923	7,990	7,067	923	7,990	7,067	923	7,990	7,067	923
	Service Area (ha)	142	0	142	605	0	605	88	0	88	147	0
	Density (person/ha)	532	0	532	355	0	355	287	0	287	361	0
	Population (person)	75,544	0	75,544	214,708	0	214,708	25,256	0	25,256	53,096	0

Table 14.5.1.33 Population of Hazaribag Trunk Main (Year 1991) (Continued)

		Moghbezar Main			Trunk Main No.2			P&T LS			P&T Main			Trunk Main No.3	
Zone		Established Urban Fringe	Urban Security Zone	Sub-Total	Established Urban Fringe	Urban Security Zone	Sub-Total	Established Urban Fringe	Urban Security Zone	Sub-Total	Established Urban Fringe	Urban Security Zone	Sub-Total	Established Urban Fringe	Urban Security Zone
	SPZ Area (ha)	858	0	858	858	0	858	858	0	858	858	0	858	858	0
	Service Area (ha)	70	0	70	122	0	122	172	0	172	66	0	66	144	0
1	Density (person/ha)	287	0	287	287	0	287	287	0	287	287	0	287	287	0
	Population (person)	20,090	0	20,090	35,014	0	35,014	49,364	0	49,364	18,942	0	18,942	41,328	0
	SPZ Area (ha)	1,288	0	1,288	1,288	0	1,288	1,288	0	1,288	1,288	0	1,288	1,288	0
	Service Area (ha)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Density (person/ha)	297	0	297	0	0	297	0	0	297	0	0	297	0	0
	Population (person)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	SPZ Area (ha)	1,121	0	1,121	1,121	0	1,121	1,121	0	1,121	1,121	0	1,121	1,121	0
	Service Area (ha)	0	0	0	0	0	0	0	0	0	0	0	0	67	89
3	Density (person/ha)	791	0	791	0	0	791	0	0	791	0	0	791	791	0
	Population (person)	0	0	0	0	0	0	0	0	0	0	0	0	52,997	70,399
	SPZ Area (ha)	1,059	0	1,059	1,059	0	1,059	1,059	0	1,059	1,059	0	1,059	1,059	0
	Service Area (ha)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Density (person/ha)	532	0	532	0	0	532	0	0	532	0	0	532	0	0
	Population (person)	0	0	0	0	0	0	0	0	0	0	0	0	0	130,340
	SPZ Area (ha)	1,536	0	1,536	1,536	0	1,536	1,536	0	1,536	1,536	0	1,536	1,536	0
	Service Area (ha)	0	0	0	0	0	0	179	0	179	6	0	6	0	0
7	Density (person/ha)	536	0	536	0	0	536	0	0	536	0	0	536	0	0
	Population (person)	0	0	0	0	0	0	95,944	0	95,944	3,216	0	3,216	0	0
	SPZ Area (ha)	5,862	0	5,862	5,862	0	5,862	5,862	0	5,862	5,862	0	5,862	5,862	0
	Sub-Service Area (ha)	70	0	70	122	0	122	351	0	351	72	0	72	211	0
total	Density (person/ha)	287	0	287	287	0	287	414	0	414	308	0	308	447	0
	Population (person)	20,090	0	20,090	35,014	0	35,014	145,308	0	145,308	22,158	0	22,158	94,325	0
	SPZ Area (ha)	732	68	800	732	68	800	732	68	800	732	68	800	732	68
6	Service Area (ha)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Density (person/ha)	235	53	0	235	53	0	235	53	0	235	53	0	235	53
	Population (person)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	SPZ Area (ha)	855	1,328	473	855	1,328	473	855	1,328	473	855	1,328	473	855	1,328
13-1	Service Area (ha)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Density (person/ha)	131	53	0	131	53	0	131	53	0	131	53	0	131	53
	Population (person)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	SPZ Area (ha)	1,205	923	2,128	1,205	923	2,128	1,205	923	2,128	1,205	923	2,128	1,205	923
	Sub-Service Area (ha)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
total	Density (person/ha)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Population (person)	7,067	923	7,990	7,067	923	7,990	7,067	923	7,990	7,067	923	7,990	7,067	923
Total	Service Area (ha)	70	0	70	122	0	122	351	0	351	72	0	72	211	0
	Density (person/ha)	287	0	287	287	0	287	414	0	414	308	0	308	447	0
	Population (person)	20,090	0	20,090	35,014	0	35,014	145,308	0	145,308	22,158	0	22,158	94,325	0

Table 14.5.1.34 Population of Hazaribag Trunk Main (Year 1997)

Zone	Hazaribag LS			New Market LS			Trunk Main No.1			Moghazar LS		
	Established Urban Fringe		Urban Security Zone	Established Urban Fringe		Urban Security Zone	Established Urban Fringe		Urban Security Zone	Established Urban Fringe		Urban Security Zone
	Urban	Security	Zone	Sub-Total	Urban Fringe	Zone	Sub-Total	Urban Fringe	Zone	Sub-Total	Urban Fringe	Zone
1	SPZ Area (ha)	858	0	858	858	0	858	0	858	858	0	858
	Service Area (ha)	0	0	0	5	0	5	88	0	88	84	0
	Density (person/ha)	360	0	0	360	0	360	0	360	360	0	360
	Population (person)	0	0	1,800	0	1,800	31,680	0	31,680	30,240	0	30,240
	SPZ Area (ha)	1,288	0	1,288	1,288	0	1,288	1,288	0	1,288	0	1,288
2	Service Area (ha)	0	0	0	475	0	475	0	0	20	0	20
	Density (person/ha)	377	0	0	377	0	377	0	0	377	0	377
	Population (person)	0	0	0	179,075	0	179,075	0	0	7,540	0	7,540
	SPZ Area (ha)	1,121	0	1,121	1,121	0	1,121	1,121	0	1,121	0	1,121
	Service Area (ha)	0	0	0	22	0	22	0	0	0	0	0
3	Density (person/ha)	866	0	0	866	0	866	866	0	866	0	866
	Population (person)	0	0	0	19,052	0	19,052	0	0	0	0	0
	SPZ Area (ha)	1,059	0	1,059	1,059	0	1,059	1,059	0	1,059	0	1,059
	Service Area (ha)	142	0	142	103	0	103	0	0	0	0	0
	Density (person/ha)	680	0	680	680	0	680	680	0	680	0	680
4'	Population (person)	96,560	0	96,560	70,040	0	70,040	0	0	0	0	0
	SPZ Area (ha)	1,536	0	1,536	1,536	0	1,536	1,536	0	1,536	0	1,536
	Service Area (ha)	0	0	0	0	0	0	0	0	0	0	0
	Density (person/ha)	691	0	0	691	0	691	0	0	691	0	691
	Population (person)	0	0	0	0	0	0	0	0	0	0	0
7	SPZ Area (ha)	5,862	0	5,862	5,862	0	5,862	5,862	0	5,862	0	5,862
	Service Area (ha)	142	0	142	605	0	605	88	0	88	147	0
	Density (person/ha)	680	0	680	446	0	446	360	0	360	459	0
	Population (person)	96,560	0	96,560	269,967	0	269,967	31,680	0	31,680	67,493	0
	SPZ Area (ha)	732	68	800	732	68	732	68	800	732	68	800
6	Service Area (ha)	348	57	0	348	57	0	348	57	0	348	57
	Density (person/ha)	0	0	0	0	0	0	0	0	0	0	0
	Population (person)	0	0	0	0	0	0	0	0	0	0	0
	SPZ Area (ha)	473	855	1,328	473	855	1,328	473	855	1,328	855	1,328
	Service Area (ha)	0	0	0	0	0	0	0	0	0	0	0
13-1	Density (person/ha)	140	57	0	140	57	0	140	57	0	140	57
	Population (person)	0	0	0	0	0	0	0	0	0	0	0
	SPZ Area (ha)	7,067	923	7,990	7,067	923	7,990	7,067	923	7,990	7,067	923
	Sub-Service Area (ha)	1,205	923	2,128	1,205	923	2,128	1,205	923	2,128	1,205	923
	Total Density (person/ha)	0	0	0	0	0	0	0	0	0	0	0
Total	Service Area (ha)	142	0	142	605	0	605	88	0	88	147	0
	Density (person/ha)	680	0	680	446	0	446	360	0	360	459	0
	Population (person)	96,560	0	96,560	269,967	0	269,967	31,680	0	31,680	67,493	0
	SPZ Area (ha)	142	0	142	605	0	605	88	0	88	147	0
	Density (person/ha)	680	0	680	446	0	446	360	0	360	459	0
Population (person)	96,560	0	96,560	269,967	0	269,967	31,680	0	31,680	67,493	0	67,493

Table 14.5.1.34 Population of Hazaribag Trunk Main (Year 1997) (Continued)

Zone	Moghazar Main			Trunk Main No.2			P&T LS			P&T Main			Trunk Main No.3			
	Established Urban		Sub-Total	Established Urban		Sub-Total	Established Urban		Sub-Total	Established Urban		Sub-Total	Established Urban		Sub-Total	
	Urban	Security Zone	Fringe	Urban	Security Zone	Fringe	Urban	Security Zone	Fringe	Urban	Security Zone	Fringe	Urban	Security Zone	Fringe	
1	SPZ Area (ha)	858	0	858	858	0	858	858	0	838	858	0	828	838	0	838
	Service Area (ha)	70	0	70	122	0	122	172	0	172	66	0	66	144	0	144
	Density (person/ha)	360	0	360	360	0	360	360	0	360	360	0	360	360	0	360
2	Population (person)	25,200	0	25,200	43,920	0	43,920	61,920	0	61,920	23,760	0	23,760	51,840	0	51,840
	SPZ Area (ha)	1,288	0	1,288	1,288	0	1,288	1,288	0	1,288	1,288	0	1,288	1,288	0	1,288
	Service Area (ha)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Density (person/ha)	377	0	377	0	0	377	0	0	377	0	0	377	0	0	377
	Population (person)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	SPZ Area (ha)	1,121	0	1,121	0	0	1,121	1,121	0	1,121	1,121	0	1,121	1,121	0	1,121
4'	Service Area (ha)	0	0	0	0	0	0	0	0	0	0	0	0	67	0	67
	Density (person/ha)	866	0	866	0	0	866	866	0	866	0	0	866	866	0	866
	Population (person)	0	0	0	0	0	0	0	0	0	0	0	0	58,022	0	58,022
5	SPZ Area (ha)	1,059	0	1,059	1,059	0	1,059	1,059	0	1,059	1,059	0	1,059	1,059	0	1,059
	Service Area (ha)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Density (person/ha)	680	0	680	0	0	680	680	0	680	680	0	680	680	0	680
7	Population (person)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	SPZ Area (ha)	1,536	0	1,536	1,536	0	1,536	1,536	0	1,536	1,536	0	1,536	1,536	0	1,536
	Service Area (ha)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Density (person/ha)	691	0	691	0	0	691	691	0	691	691	0	691	691	0	691
	Population (person)	0	0	0	0	0	0	123,689	0	123,689	4,146	0	4,146	0	0	0
	SPZ Area (ha)	5,862	0	5,862	5,862	0	5,862	5,862	0	5,862	5,862	0	5,862	5,862	0	5,862
13-1	Sub-Service Area (ha)	70	0	70	122	0	122	351	0	351	72	0	72	211	0	211
	Density (person/ha)	348	57	0	348	57	0	348	57	0	348	57	0	348	57	0
	Population (person)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13-1	SPZ Area (ha)	473	855	1,328	473	855	1,328	473	855	1,328	473	855	1,328	473	855	1,328
	Service Area (ha)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Density (person/ha)	140	57	0	140	57	0	140	57	0	140	57	0	140	57	0
13-1	Population (person)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	SPZ Area (ha)	1,205	923	2,128	1,205	923	2,128	1,205	923	2,128	1,205	923	2,128	1,205	923	2,128
	Sub-Service Area (ha)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13-1	Density (person/ha)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Population (person)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	SPZ Area (ha)	7,067	923	7,990	7,067	923	7,990	7,067	923	7,990	7,067	923	7,990	7,067	923	7,990
13-1	Total Service Area (ha)	70	0	70	122	0	122	351	0	351	72	0	72	211	0	211
	Density (person/ha)	360	0	360	360	0	360	529	0	529	388	0	388	521	0	521
	Population (person)	25,200	0	25,200	43,920	0	43,920	185,609	0	185,609	27,906	0	27,906	109,862	0	109,862

Table 14.5.1.35 Population of Hazaribag Trunk Main (Year 2005)

Zone	Hazaribag LS				New Market LS				Trunk Main No.1				Moghazar LS			
	Established Urban		Sub-Total	Urban Fringe	Established Urban		Sub-Total	Urban Fringe	Established Urban		Sub-Total	Urban Fringe	Established Urban		Sub-Total	Urban Security Zone
	Urban	Security Zone			Urban	Security Zone			Urban	Security Zone			Urban	Security Zone		
SPZ Area (ha)	858	0	858	0	858	0	858	0	858	0	858	0	858	0	858	3,432
Service Area (ha)	0	0	0	0	5	0	5	0	88	0	84	0	84	0	84	177
Density (person/ha)	458	0	458	0	458	0	458	0	458	0	458	0	458	0	458	458
Population (person)	0	0	0	0	2,290	0	2,290	40,304	0	40,304	38,472	0	0	38,472	81,066	
SPZ Area (ha)	1,288	0	1,288	0	1,288	0	1,288	0	1,288	0	1,288	0	1,288	0	1,288	5,152
Service Area (ha)	0	0	0	0	475	0	475	0	0	0	20	0	20	0	20	495
Density (person/ha)	484	0	484	0	484	0	484	0	0	0	484	0	484	0	484	484
Population (person)	0	0	0	0	229,900	0	229,900	0	0	0	9,680	0	9,680	0	9,680	239,580
SPZ Area (ha)	1,121	0	1,121	0	1,121	0	1,121	0	1,121	0	1,121	0	1,121	0	1,121	4,484
Service Area (ha)	0	0	0	0	22	0	22	0	0	0	0	0	0	0	0	22
Density (person/ha)	965	0	965	0	965	0	965	0	0	0	965	0	965	0	965	965
Population (person)	0	0	0	0	21,230	0	21,230	0	0	0	0	0	0	0	0	21,230
SPZ Area (ha)	1,059	0	1,059	0	1,059	0	1,059	0	1,059	0	1,059	0	1,059	0	1,059	4,236
Service Area (ha)	142	0	142	0	103	0	103	0	0	0	0	0	0	0	0	245
Density (person/ha)	876	0	876	0	876	0	876	0	0	0	876	0	876	0	876	876
Population (person)	124,392	0	124,392	90,228	0	90,228	0	0	0	0	0	0	0	0	0	214,620
SPZ Area (ha)	1,536	0	1,536	1,536	0	1,536	0	1,536	0	0	1,536	0	1,536	0	1,536	6,144
Service Area (ha)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43
Density (person/ha)	897	0	897	0	897	0	897	0	0	0	897	0	897	0	897	897
Population (person)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38,571
SPZ Area (ha)	5,862	0	5,862	5,862	0	5,862	0	5,862	0	5,862	5,862	0	5,862	0	5,862	23,448
Sub-Service Area (ha)	142	0	142	605	0	605	88	0	88	0	147	0	147	0	147	982
Density (person/ha)	876	0	876	568	0	568	458	0	458	0	590	0	590	0	590	606
Population (person)	124,392	0	124,392	343,648	0	343,648	40,304	0	40,304	0	86,723	0	86,723	0	86,723	595,067
SPZ Area (ha)	752	68	800	732	68	800	732	68	800	732	68	800	732	68	800	3,200
6 Service Area (ha)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Density (person/ha)	500	64	0	500	64	0	500	64	0	500	64	0	64	0	64	0
Population (person)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPZ Area (ha)	473	855	1,328	473	835	1,328	473	855	1,328	473	855	1,328	473	855	1,328	5,312
13-1 Sub-Service Area (ha)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Density (person/ha)	150	64	0	150	64	0	150	64	0	150	64	0	64	0	64	0
Population (person)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPZ Area (ha)	7,067	923	7,990	7,067	923	7,990	7,067	923	7,990	7,067	923	7,990	7,067	923	7,990	31,960
Total Service Area (ha)	142	0	142	605	0	605	88	0	88	147	0	147	0	147	0	982
Density (person/ha)	876	0	876	568	0	568	458	0	458	590	0	590	0	590	0	606
Population (person)	124,392	0	124,392	343,648	0	343,648	40,304	0	40,304	86,723	0	86,723	0	86,723	0	595,067

Table 14.5.1.35 Population of Hazaribag Trunk Main (Year 2005) (Continued)

Zone	Moghazar Main			Trunk Main No.2			P&T LS			P&T Main			Trunk Main No.3			
	Established Urban		Sub-Total	Established Urban		Sub-Total	Established Urban		Sub-Total	Established Urban		Sub-Total	Established Urban		Sub-Total	
	Urban	Security	Zone	Fringe	Urban	Security	Zone	Fringe	Urban	Security	Zone	Fringe	Urban	Security	Zone	
1	SPZ Area (ha)	858	0	858	858	0	858	858	0	858	858	0	858	858	0	
	Service Area (ha)	70	0	70	122	0	122	172	0	66	144	0	144	144	751	
	Density (person/ha)	458	0	458	458	0	458	458	0	458	458	0	458	458	458	
	Population (person)	32,060	0	32,060	55,876	0	55,876	78,776	0	30,228	65,952	0	65,952	65,952	343,958	
2	SPZ Area (ha)	1,228	0	1,228	1,288	0	1,288	1,288	0	1,288	1,288	0	1,288	1,288	11,592	
	Service Area (ha)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Density (person/ha)	484	0	484	0	0	484	0	0	484	0	0	484	0	484	
	Population (person)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3	SPZ Area (ha)	1,121	0	1,121	1,121	0	1,121	1,121	0	1,121	1,121	0	1,121	1,121	10,089	
	Service Area (ha)	0	0	0	0	0	0	0	0	0	0	0	0	67	89	
	Density (person/ha)	965	0	965	0	0	965	0	0	965	0	0	965	0	965	
	Population (person)	0	0	0	0	0	0	0	0	0	0	0	64,655	64,655	85,885	
4'	SPZ Area (ha)	1,059	0	1,059	1,059	0	1,059	1,059	0	1,059	1,059	0	1,059	1,059	9,531	
	Service Area (ha)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Density (person/ha)	876	0	876	0	0	876	0	0	876	0	0	876	0	876	
	Population (person)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	SPZ Area (ha)	1,536	0	1,536	1,536	0	1,536	1,536	0	1,536	1,536	0	1,536	1,536	13,824	
	Service Area (ha)	0	0	0	0	0	0	179	0	179	6	0	6	0	228	
	Density (person/ha)	897	0	897	0	0	897	0	0	897	0	0	897	0	897	
	Population (person)	0	0	0	0	0	0	160,563	0	160,563	5,382	0	5,382	0	204,516	
Sub-total	SPZ Area (ha)	5,862	0	5,862	5,862	0	5,862	5,862	0	5,862	5,862	0	5,862	5,862	52,758	
	Service Area (ha)	70	0	70	122	0	122	351	0	351	72	0	72	211	1,808	
	Density (person/ha)	458	0	458	458	0	458	682	0	682	495	0	495	619	602	
	Population (person)	32,060	0	32,060	55,876	0	55,876	239,339	0	239,339	35,610	0	35,610	130,607	130,607	
6	SPZ Area (ha)	732	68	800	732	68	800	732	68	800	732	68	800	732	7,200	
	Service Area (ha)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Density (person/ha)	500	64	0	500	64	0	500	64	0	500	64	0	64	0	
	Population (person)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13.1	SPZ Area (ha)	855	1,328	473	855	1,328	473	855	1,328	473	855	1,328	473	855	1,328	
	Service Area (ha)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Density (person/ha)	150	64	0	150	64	0	150	64	0	150	64	0	150	64	
	Population (person)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Sub-total	SPZ Area (ha)	1,205	923	2,128	1,205	923	2,128	1,205	923	2,128	1,205	923	2,128	1,205	19,152	
	Density (person/ha)	458	0	458	458	0	458	458	0	458	458	0	458	458	602	
	Population (person)	32,060	0	32,060	55,876	0	55,876	239,339	0	239,339	35,610	0	35,610	130,607	130,607	
	Total	SPZ Area (ha)	7,067	923	7,990	7,067	923	7,990	7,067	923	7,990	7,067	923	7,990	7,067	
		Service Area (ha)	70	0	70	122	0	122	351	0	351	72	0	72	211	1,808
		Density (person/ha)	458	0	458	458	0	458	458	0	458	458	0	458	458	602
		Population (person)	32,060	0	32,060	55,876	0	55,876	239,339	0	239,339	35,610	0	35,610	130,607	130,607

Table 14.5.1.36 Population of Hazaribag Trunk Main (Year 2010)

Zone	Hazaribag LS				New Market LS				Trunk Main No.1				Moghazar LS			
	Established Urban		Sub-Total	Urban Fringe	Established Urban		Sub-Total	Urban Fringe	Established Urban		Sub-Total	Urban Fringe	Established Urban		Sub-Total	Urban Security Zone
	Urban	Security Zone			Urban	Security Zone			Urban	Security Zone			Urban	Security Zone		
1	SPZ Area (ha)	858	0	858	858	0	858	858	0	858	858	0	858	858	0	3,432
	Service Area (ha)	0	0	0	5	0	5	88	0	88	84	0	84	84	0	177
	Density (person/ha)	474	0	0	474	0	474	474	0	474	474	0	474	474	0	474
2	Population (person)	0	0	0	2,370	0	2,370	41,712	0	41,712	39,816	0	39,816	39,816	0	33,898
	SPZ Area (ha)	1,288	0	1,288	1,288	0	1,288	1,288	0	1,288	1,288	0	1,288	1,288	0	5,152
	Service Area (ha)	0	0	0	475	0	475	0	0	0	20	0	0	20	0	495
3	Density (person/ha)	504	0	0	504	0	504	504	0	504	504	0	504	504	0	504
	Population (person)	0	0	0	239,480	0	239,480	0	0	0	10,080	0	10,080	10,080	0	249,480
	SPZ Area (ha)	1,121	0	1,121	1,121	0	1,121	1,121	0	1,121	1,121	0	1,121	1,121	0	4,484
4'	Service Area (ha)	0	0	0	22	0	22	0	0	0	0	0	0	0	0	22
	Density (person/ha)	981	0	0	981	0	981	981	0	981	981	0	981	981	0	981
	Population (person)	0	0	0	21,582	0	21,582	0	0	0	0	0	0	0	0	21,582
5	SPZ Area (ha)	1,059	0	1,059	1,059	0	1,059	1,059	0	1,059	1,059	0	1,059	1,059	0	4,236
	Service Area (ha)	142	0	142	103	0	103	0	0	0	0	0	0	0	0	245
	Density (person/ha)	929	0	929	929	0	929	929	0	929	929	0	929	929	0	929
7	Population (person)	131,918	0	131,918	95,687	0	95,687	0	0	0	0	0	0	0	0	227,605
	SPZ Area (ha)	1,536	0	1,536	1,536	0	1,536	1,536	0	1,536	1,536	0	1,536	1,536	0	6,144
	Service Area (ha)	0	0	0	0	0	0	0	0	0	43	0	43	0	0	43
6	Density (person/ha)	949	0	949	0	0	949	0	0	949	0	0	949	949	0	949
	Population (person)	0	0	0	0	0	0	0	0	0	40,807	0	40,807	40,807	0	40,807
	SPZ Area (ha)	5,862	0	5,862	5,862	0	5,862	5,862	0	5,862	5,862	0	5,862	5,862	0	23,448
13-1	Sub-Service Area (ha)	142	0	142	605	0	605	88	0	88	147	0	147	147	0	982
	Density (person/ha)	929	0	929	593	0	593	474	0	474	617	0	617	617	0	635
	Population (person)	131,918	0	131,918	359,039	0	359,039	41,712	0	41,712	90,703	0	90,703	90,703	0	623,372
13-1	SPZ Area (ha)	732	68	800	732	68	800	732	68	800	732	68	800	800	3,200	
	Service Area (ha)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Density (person/ha)	545	68	0	545	68	0	545	68	0	545	68	0	545	68	0
13-1	Population (person)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	SPZ Area (ha)	473	855	1,328	473	855	1,328	473	855	1,328	473	855	1,328	1,328	5,312	
	Service Area (ha)	143	68	0	148	68	0	148	68	0	148	68	0	148	68	0
Total	Density (person/ha)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Population (person)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	SPZ Area (ha)	1,205	923	2,128	1,205	923	2,128	1,205	923	2,128	1,205	923	2,128	2,128	8,512	8,512
Total	Sub-Service Area (ha)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Density (person/ha)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Population (person)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	SPZ Area (ha)	7,067	923	7,990	7,067	923	7,990	7,067	923	7,990	7,067	923	7,990	7,990	31,960	31,960
	Service Area (ha)	142	0	142	605	0	605	88	0	88	147	0	147	147	0	982
	Density (person/ha)	929	0	929	593	0	593	474	0	474	617	0	617	617	0	635
Total	Population (person)	131,918	0	131,918	359,039	0	359,039	41,712	0	41,712	90,703	0	90,703	90,703	0	623,372

**Table 14.5.1.36 Population of Hazaribag Trunk Main (Year 2010) (Continued)**

Zone	Moghazar Main			Trunk Main No.2			P&T LS			P&T Main			Trunk Main No.3		
	Established Urban Fringe		Urban Security Zone	Established Urban Fringe		Urban Security Zone	Established Urban Fringe		Urban Security Zone	Established Urban Fringe		Urban Security Zone	Established Urban Fringe		Urban Security Zone
	Sub-Total	Urban Fringe	Sub-Total	Urban Fringe	Sub-Total	Urban Fringe	Sub-Total	Urban Fringe	Sub-Total	Urban Fringe	Sub-Total	Urban Fringe	Sub-Total	Urban Fringe	Sub-Total
SPZ Area (ha)	858	0	858	838	0	858	858	0	858	858	0	858	858	0	858
Service Area (ha)	70	0	70	122	0	122	172	0	172	66	0	66	144	0	144
1 Density (person/ha)	474	0	474	474	0	474	474	0	474	474	0	474	474	0	474
Population (person)	33,180	0	33,180	57,828	0	57,828	81,528	0	81,528	31,284	0	31,284	68,256	0	68,256
SPZ Area (ha)	1,288	0	1,288	1,288	0	1,288	1,288	0	1,288	1,288	0	1,288	1,288	0	1,288
Service Area (ha)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Density (person/ha)	504	0	504	504	0	504	504	0	504	504	0	504	504	0	504
Population (person)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPZ Area (ha)	1,121	0	1,121	1,121	0	1,121	1,121	0	1,121	1,121	0	1,121	1,121	0	1,121
Service Area (ha)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Density (person/ha)	981	0	981	981	0	981	981	0	981	981	0	981	981	0	981
Population (person)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPZ Area (ha)	1,059	0	1,059	1,059	0	1,059	1,059	0	1,059	1,059	0	1,059	1,059	0	1,059
Service Area (ha)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Density (person/ha)	929	0	929	929	0	929	929	0	929	929	0	929	929	0	929
Population (person)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPZ Area (ha)	1,536	0	1,536	1,536	0	1,536	1,536	0	1,536	1,536	0	1,536	1,536	0	1,536
Service Area (ha)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Density (person/ha)	949	0	949	949	0	949	949	0	949	949	0	949	949	0	949
Population (person)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPZ Area (ha)	5,862	0	5,862	5,862	0	5,862	5,862	0	5,862	5,862	0	5,862	5,862	0	5,862
Sub-Service Area (ha)	70	0	70	122	0	122	351	0	351	72	0	72	211	0	211
total Density (person/ha)	474	0	474	474	0	474	716	0	716	514	0	514	635	0	635
Population (person)	33,180	0	33,180	57,828	0	57,828	251,399	0	251,399	36,978	0	36,978	233,983	0	233,983
SPZ Area (ha)	732	68	800	732	68	800	732	68	800	732	68	800	732	68	7,200
6 Service Area (ha)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Density (person/ha)	545	68	0	545	68	0	545	68	0	545	68	0	545	68	0
Population (person)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPZ Area (ha)	473	855	1,328	473	855	1,328	473	855	1,328	473	855	1,328	473	855	1,328
13-1 Sub-Service Area (ha)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Density (person/ha)	148	68	0	148	68	0	148	68	0	148	68	0	148	68	0
Population (person)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPZ Area (ha)	7,067	923	2,128	1,205	923	2,128	1,205	923	2,128	1,205	923	2,128	1,205	923	2,128
total Density (person/ha)	70	0	70	122	0	122	351	0	351	72	0	72	211	0	211
Population (person)	474	0	474	474	0	474	716	0	716	514	0	514	635	0	635
Total Population (person)	33,180	0	33,180	57,828	0	57,828	251,399	0	251,399	36,978	0	36,978	251,399	0	251,399

Table 14.5.1.37 Population of Hazaribag Trunk Main (Year 2015)

Zone	Hazaribag LS			New Market LS			Trunk Main No.1			Moghbarazar LS		
	Established Urban		Sub-Total	Established Urban		Sub-Total	Established Urban		Sub-Total	Established Urban		Sub-Total
	Urban	Security	Zone	Urban	Fringe	Zone	Urban	Fringe	Zone	Urban	Fringe	Zone
	SPZ Area (ha)	858	0	858	858	0	858	858	0	858	858	0
1	Service Area (ha)	0	0	0	5	0	5	88	0	88	84	0
	Density (person/ha)	491	0	491	0	491	491	0	491	491	0	491
	Population (person)	0	0	2,455	0	2,455	43,208	0	43,208	41,244	0	41,244
	SPZ Area (ha)	1,288	0	1,288	0	1,288	1,288	0	1,288	1,288	0	1,288
2	Service Area (ha)	0	0	475	0	475	0	0	0	20	0	20
	Density (person/ha)	525	0	525	0	525	525	0	525	525	0	525
	Population (person)	0	0	249,375	0	249,375	0	0	0	10,500	0	10,500
	SPZ Area (ha)	1,121	0	1,121	1,121	0	1,121	1,121	0	1,121	1,121	0
3	Service Area (ha)	0	0	22	0	22	0	0	0	0	0	0
	Density (person/ha)	998	0	998	0	998	998	0	998	998	0	998
	Population (person)	0	0	21,956	0	21,956	0	0	0	0	0	0
	SPZ Area (ha)	1,059	0	1,059	0	1,059	1,059	0	1,059	1,059	0	1,059
4	Service Area (ha)	142	0	142	103	0	103	0	0	0	0	0
	Density (person/ha)	984	0	984	984	0	984	984	0	984	984	0
	Population (person)	139,728	0	139,728	101,352	0	101,352	0	0	0	0	0
	SPZ Area (ha)	1,536	0	1,536	1,536	0	1,536	1,536	0	1,536	1,536	0
7	Service Area (ha)	0	0	0	0	0	0	0	0	43	0	43
	Density (person/ha)	1,002	0	1,002	0	1,002	0	1,002	0	1,002	0	1,002
	Population (person)	0	0	0	0	0	0	0	0	0	0	0
	SPZ Area (ha)	5,862	0	5,862	5,862	0	5,862	5,862	0	5,862	5,862	0
Sub-	Service Area (ha)	142	0	142	605	0	605	88	0	88	147	0
total	Density (person/ha)	984	0	984	620	0	620	491	0	491	645	0
	Population (person)	139,728	0	139,728	375,138	0	375,138	43,208	0	43,208	94,830	0
	SPZ Area (ha)	732	68	800	732	68	800	732	68	732	800	68
6	Service Area (ha)	0	0	0	0	0	0	0	0	0	0	0
	Density (person/ha)	593	73	593	73	0	593	73	0	593	73	0
	Population (person)	0	0	0	0	0	0	0	0	0	0	0
	SPZ Area (ha)	473	855	1,328	473	855	1,328	473	855	1,328	473	855
13-1	Service Area (ha)	0	0	0	0	0	0	0	0	0	142	73
	Density (person/ha)	142	73	0	142	73	0	142	73	0	142	73
	Population (person)	0	0	0	0	0	0	0	0	0	0	0
	SPZ Area (ha)	1,205	923	2,128	1,205	923	2,128	1,205	923	2,128	923	2,128
Sub-	Service Area (ha)	0	0	0	0	0	0	0	0	0	0	0
total	Density (person/ha)	0	0	0	0	0	0	0	0	0	0	0
	Population (person)	0	0	0	0	0	0	0	0	0	0	0
	SPZ Area (ha)	7,067	923	7,990	7,067	923	7,990	7,067	923	7,990	923	7,990
Total	Service Area (ha)	142	0	142	605	0	605	88	0	88	147	0
	Density (person/ha)	984	0	984	620	0	620	491	0	491	645	0
	Population (person)	139,728	0	139,728	375,138	0	375,138	43,208	0	43,208	94,830	0

Table 14.5.1.37 Population of Hazaribag Trunk Main (Year 2015) (Continued)

		Moghbazar Main			Trunk Main No.2			P&T LS			P&T Main			Trunk Main No.3		
Zone		Established Urban Fringe	Urban Security Zone	Sub-Total	Established Urban Fringe	Urban Security Zone	Sub-Total	Established Urban Fringe	Urban Security Zone	Sub-Total	Established Urban Fringe	Urban Security Zone	Sub-Total	Established Urban Fringe	Urban Security Zone	Sub-Total
1	SPZ Area (ha)	858	0	858	858	0	858	858	0	858	858	0	858	858	0	858
	Service Area (ha)	70	0	70	122	0	122	172	0	172	66	0	66	144	0	144
	Density (person/ha)	491	0	491	491	0	491	491	0	491	491	0	491	491	0	491
	Population (person)	34,370	0	34,370	59,902	0	59,902	84,452	0	84,452	32,406	0	32,406	70,704	0	70,704
2	SPZ Area (ha)	1,288	0	1,288	1,288	0	1,288	1,288	0	1,288	1,288	0	1,288	1,288	0	1,288
	Service Area (ha)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Density (person/ha)	525	0	525	0	0	0	525	0	0	525	0	0	525	0	525
	Population (person)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	SPZ Area (ha)	1,121	0	1,121	1,121	0	1,121	1,121	0	1,121	1,121	0	1,121	1,121	0	1,121
	Service Area (ha)	0	0	0	0	0	0	0	0	0	0	0	0	67	0	67
	Density (person/ha)	998	0	998	998	0	998	998	0	998	998	0	998	998	0	998
	Population (person)	0	0	0	0	0	0	0	0	0	0	0	0	66,866	0	66,866
4	SPZ Area (ha)	1,059	0	1,059	1,059	0	1,059	1,059	0	1,059	1,059	0	1,059	1,059	0	1,059
	Service Area (ha)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Density (person/ha)	984	0	984	984	0	984	984	0	984	984	0	984	984	0	984
	Population (person)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	SPZ Area (ha)	1,536	0	1,536	1,536	0	1,536	1,536	0	1,536	1,536	0	1,536	1,536	0	1,536
	Service Area (ha)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Density (person/ha)	1,002	0	1,002	0	0	1,002	0	0	1,002	1,002	0	1,002	1,002	0	1,002
	Population (person)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	SPZ Area (ha)	5,862	0	5,862	5,862	0	5,862	5,862	0	5,862	5,862	0	5,862	5,862	0	5,862
	Service Area (ha)	70	0	70	122	0	122	351	0	351	72	0	72	211	0	211
	Density (person/ha)	491	0	491	491	0	491	752	0	752	534	0	534	652	0	652
	Population (person)	34,370	0	34,370	59,902	0	59,902	263,810	0	263,810	38,418	0	38,418	137,570	0	137,570
13-1	SPZ Area (ha)	732	68	800	732	68	800	732	68	800	732	68	800	732	68	800
	Service Area (ha)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Density (person/ha)	593	73	0	593	73	0	593	73	0	593	73	0	593	73	0
	Population (person)	142	73	0	142	73	0	142	73	0	142	73	0	142	73	0
13-2	SPZ Area (ha)	473	855	1,328	473	855	1,328	473	855	1,328	473	855	1,328	473	855	1,328
	Service Area (ha)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Density (person/ha)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Population (person)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13-3	SPZ Area (ha)	1,205	923	2,128	1,205	923	2,128	1,205	923	2,128	1,205	923	2,128	1,205	923	2,128
	Service Area (ha)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Density (person/ha)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Population (person)	7,067	923	7,990	7,067	923	7,990	7,067	923	7,990	7,067	923	7,990	7,067	923	7,990
Total	Service Area (ha)	70	0	70	122	0	122	351	0	351	72	0	72	211	0	211
	Density (person/ha)	491	0	491	491	0	491	752	0	752	534	0	534	652	0	652
	Population (person)	34,370	0	34,370	59,902	0	59,902	263,810	0	263,810	38,418	0	38,418	137,570	0	137,570
	SPZ Area (ha)	1,288	0	1,288	1,288	0	1,288	1,288	0	1,288	1,288	0	1,288	1,288	0	1,288

Table 14.5.1.38 Population of Hazaribag Trunk Main (Year 2020)

Zone	Hazaribag LS			New Market LS			Trunk Main No.1			Mozhbazar LS			Total
	Established Urban		Sub-Total	Established Urban		Sub-Total	Established Urban		Sub-Total	Established Urban		Sub-Total	
	Urban Fringe	Urban Security Zone		Urban Fringe	Security Zone		Urban Fringe	Security Zone		Urban Fringe	Security Zone		
SPZ Area (ha)	853	0	858	858	0	858	0	858	0	858	0	858	3,432
Service Area (ha)	0	0	0	5	0	5	88	0	88	84	0	84	177
1 Density (person/ha)	507	0	507	0	507	0	507	0	507	507	0	507	507
Population (person)	0	0	2,535	0	2,535	44,616	0	44,616	42,588	0	42,588	89,739	
SPZ Area (ha)	1,288	0	1,288	1,288	0	1,288	0	1,288	1,288	0	1,288	5,152	
Service Area (ha)	0	0	0	475	0	475	0	0	0	20	0	20	495
2 Density (person/ha)	544	0	544	0	544	544	0	0	544	0	544	544	
Population (person)	0	0	258,400	0	258,400	0	0	0	10,880	0	10,880	269,280	
SPZ Area (ha)	1,121	0	1,121	0	1,121	1,121	0	1,121	1,121	0	1,121	4,484	
Service Area (ha)	0	0	0	22	0	22	0	0	0	0	0	0	22
3 Density (person/ha)	1,014	0	1,014	0	1,014	1,014	0	1,014	0	1,014	0	1,014	
Population (person)	0	0	22,308	0	22,308	0	0	0	0	0	0	0	22,308
SPZ Area (ha)	1,059	0	1,059	1,059	0	1,059	0	1,059	0	1,059	0	1,059	4,236
Service Area (ha)	142	0	142	103	0	103	0	0	0	0	0	0	245
4 Density (person/ha)	1,037	0	1,037	1,037	0	1,037	0	1,037	0	1,037	0	1,037	
Population (person)	147,254	0	147,254	106,811	0	106,811	0	0	0	0	0	0	254,065
SPZ Area (ha)	1,536	0	1,536	1,536	0	1,536	0	1,536	1,536	0	1,536	6,144	
Service Area (ha)	0	0	0	0	0	0	0	0	0	43	0	43	
5 Density (person/ha)	1,054	0	1,054	0	1,054	0	1,054	0	1,054	0	1,054	1,054	
Population (person)	0	0	0	0	0	0	0	0	0	45,322	0	45,322	
SPZ Area (ha)	5,862	0	5,862	5,862	0	5,862	0	5,862	5,862	0	5,862	5,862	
Sub-Service Area (ha)	142	0	142	605	0	605	88	0	88	147	0	147	982
7 Density (person/ha)	1,037	0	1,037	645	0	645	507	0	507	672	0	672	693
Population (person)	147,254	0	147,254	390,054	0	390,054	44,616	0	44,616	98,790	0	98,790	680,714
SPZ Area (ha)	732	68	800	732	68	800	732	68	800	732	68	800	3,200
6 Service Area (ha)	0	0	0	0	0	0	0	0	0	0	0	0	
Density (person/ha)	639	76	0	639	76	0	639	76	0	639	76	0	0
Population (person)	0	0	0	0	0	0	0	0	0	0	0	0	
SPZ Area (ha)	473	855	1,328	473	855	1,328	473	855	1,328	473	855	1,328	5,312
13.1 Service Area (ha)	0	0	0	0	0	0	0	0	0	0	0	0	
Density (person/ha)	140	76	0	140	76	0	140	76	0	140	76	0	0
Population (person)	0	0	0	0	0	0	0	0	0	0	0	0	
SPZ Area (ha)	7,067	923	7,990	7,067	923	7,990	7,067	923	7,990	7,067	923	7,990	31,960
Sub-Service Area (ha)	1,205	923	2,128	1,205	923	2,128	1,205	923	2,128	1,205	923	2,128	8,512
Sub-total	0	0	0	0	0	0	0	0	0	0	0	0	0
Density (person/ha)	0	0	0	0	0	0	0	0	0	0	0	0	
Population (person)	0	0	0	0	0	0	0	0	0	0	0	0	
SPZ Area (ha)	142	0	142	605	0	605	88	0	88	147	0	147	982
Total Service Area (ha)	1,037	0	1,037	645	0	645	507	0	507	672	0	672	693
Density (person/ha)	0	0	0	0	0	0	0	0	0	0	0	0	
Population (person)	147,254	0	147,254	390,054	0	390,054	44,616	0	44,616	98,790	0	98,790	680,714

Table 14.5.1.38 Population of Hazaribag Trunk Main (Year 2020) (Continued)

		Moghazar Main			Trunk Main No.2			P&T LS			P&T Main			Trunk Main No.3	
Zone		Established Urban Fringe		Urban Security Zone	Established Urban Fringe		Urban Security Zone	Established Urban Fringe		Urban Security Zone	Established Urban Fringe		Urban Security Zone	Sub-Total	
		Sub-Total	Urban Fringe	Urban Security Zone	Sub-Total	Urban Fringe	Urban Security Zone	Sub-Total	Urban Fringe	Urban Security Zone	Sub-Total	Urban Fringe	Urban Security Zone	Total	
1	SPZ Area (ha)	858	0	858	0	858	0	858	0	858	0	858	0	858	7,722
	Service Area (ha)	70	0	70	0	122	0	172	0	66	0	144	0	144	731
	Density (person/ha)	507	0	507	0	507	0	507	0	507	0	507	0	507	507
	Population (person)	35,490	0	35,490	0	61,854	0	87,204	0	33,462	0	73,008	0	73,008	330,757
2	SPZ Area (ha)	1,288	0	1,288	0	1,288	0	1,288	0	1,288	0	1,288	0	1,288	11,592
	Service Area (ha)	0	0	0	0	0	0	0	0	0	0	0	0	0	495
	Density (person/ha)	544	0	544	0	544	0	544	0	544	0	544	0	544	544
	Population (person)	0	0	0	0	0	0	0	0	0	0	0	0	0	269,280
3	SPZ Area (ha)	1,121	0	1,121	0	1,121	0	1,121	0	1,121	0	1,121	0	1,121	10,089
	Service Area (ha)	0	0	0	0	0	0	0	0	0	0	0	0	0	67
	Density (person/ha)	1,014	0	1,014	0	1,014	0	1,014	0	1,014	0	1,014	0	1,014	1,014
	Population (person)	0	0	0	0	0	0	0	0	0	0	0	0	0	67,938
4'	SPZ Area (ha)	1,059	0	1,059	0	1,059	0	1,059	0	1,059	0	1,059	0	1,059	9,531
	Service Area (ha)	0	0	0	0	0	0	0	0	0	0	0	0	0	245
	Density (person/ha)	1,037	0	1,037	0	1,037	0	1,037	0	1,037	0	1,037	0	1,037	1,037
	Population (person)	0	0	0	0	0	0	0	0	0	0	0	0	0	254,065
7	SPZ Area (ha)	1,536	0	1,536	0	1,536	0	1,536	0	1,536	0	1,536	0	1,536	13,824
	Service Area (ha)	0	0	0	0	0	0	0	0	0	0	0	0	0	228
	Density (person/ha)	1,054	0	1,054	0	1,054	0	1,054	0	1,054	0	1,054	0	1,054	1,054
	Population (person)	0	0	0	0	0	0	0	0	0	0	0	0	0	240,312
Sub-total	SPZ Area (ha)	5,862	0	5,862	0	5,862	0	5,862	0	5,862	0	5,862	0	5,862	52,758
	Service Area (ha)	70	0	70	0	122	0	351	0	72	0	72	0	72	1,808
	Density (person/ha)	507	0	507	0	507	0	786	0	553	0	553	0	668	683
	Population (person)	35,490	0	35,490	0	61,854	0	61,854	0	188,666	0	6,324	0	0	0
6	SPZ Area (ha)	732	68	800	732	68	800	732	68	800	732	68	800	7,200	
	Service Area (ha)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Density (person/ha)	639	76	0	639	76	0	639	76	0	639	76	0	0	0
	Population (person)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13.1	SPZ Area (ha)	473	855	1,328	473	855	1,328	473	855	1,328	473	855	1,328	1,328	11,952
	Service Area (ha)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Density (person/ha)	140	76	0	140	76	0	140	76	0	140	76	0	0	0
	Population (person)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	SPZ Area (ha)	7,067	923	7,990	7,067	923	7,990	7,067	923	7,990	7,067	923	7,990	7,990	71,910
	Service Area (ha)	70	0	70	122	0	122	351	0	351	72	0	72	211	211
	Density (person/ha)	507	0	507	0	507	0	786	0	553	0	553	0	668	583
	Population (person)	35,490	0	35,490	0	61,854	0	61,854	0	275,870	0	39,786	0	140,946	1,234,660

### Appendix 14.5.2.2 Design Sewage Flow of Existing Sewerage Service Area (Year 1991)

**Table 14.5.2.1 Design Sewage Flow of Existing Sewerage Service Area (Year 1991)**

Trunk Main	Lift Station	Area (ha)			Population (person)			Sewage Flow (cu.m/day)			Total
		Each	Total	Each	Total	Q1	Q2	Q3	Q1	Q2	
Gulshan	Tengaon LS	719		155,159		11,637	13,964	17,843			
Trunk Main	Sub-total	719	719	155,159	155,159	11,637	13,964	17,843	11,637	13,964	17,843
Faridabad	Faridabad LS	44		34,804		2,610	3,132	4,002			
Trunk Main	Trunk Main No.1	369	353	242,889	277,693	18,217	21,860	27,932	20,827	24,992	31,935
	Sub-total	353	353	277,693	277,693	20,827	24,992	31,934	20,827	24,992	31,935
Asadgate	Asadgate LS	153		76,226		5,717	6,860	8,766			
Trunk Main	Tengaon LS	498	1,004	153,164	384,549	11,487	13,785	17,614	23,841	34,609	44,223
Bashaboot LS	368	1,372	197,248	581,797	14,794	17,752	22,684	43,635	52,362	66,907	
Sayedabad LS	255	1,627	136,680	718,477	10,251	12,301	15,718	53,886	64,663	82,625	
	Sub-total	1,274	1,627	563,318	718,477	42,249	50,698	64,782	53,886	64,663	82,625
Nawabgonj LS	115		74,648		5,599	6,718	8,585				
Trunk Main No.1	22	137	17,402	92,050	1,305	1,566	2,001	6,904	8,285	10,586	
Azimpur LS	75		56,301		4,223	5,067	6,475				
Azimpur Main	11	86	8,701	65,002	653	783	1,001	4,875	5,850	7,475	
Trunk Main No.2	60	283	47,460	204,512	3,560	4,271	5,458	15,338	18,406	23,519	
Medical College LS	97		34,895		2,617	3,141	4,013				
MC Main	38	135	20,986	55,881	1,574	1,889	2,413	4,191	5,029	6,426	
Trunk Main No.3	239	657	189,049	449,442	14,179	17,014	21,741	33,708	40,450	51,686	
	Sub-total	657	657	449,442	449,442	33,710	40,449	51,687	33,708	40,450	51,686
Hazaribag LS	142		75,544		5,666	6,799	8,688				
New Market LS	605	747	214,708	290,252	16,103	19,324	24,691	21,769	26,123	33,379	
Trunk Main No.1	88	835	25,256	315,508	1,894	2,273	2,904	23,663	28,396	36,283	
Moghbaizer LS	147		53,096		3,982	4,779	6,106				
Hazaribag Main	70	217	20,090	73,186	1,507	1,808	2,310	5,489	6,587	8,416	
Trunk Main No.2	122	1,174	35,014	423,708	2,626	3,151	4,027	31,778	38,134	48,726	
P&T LS	351		145,308		10,898	13,078	16,710				
P&T Main	72	423	22,158	167,466	1,662	1,994	2,548	12,560	15,072	19,259	
Trunk Main No.3	211	1,808	94,325	685,499	7,074	8,489	10,847	51,412	61,695	78,832	
	Sub-total	1,808	1,808	685,499	685,499	51,412	61,695	78,831	51,412	61,695	78,832
Narinda PS	0	2,818		1,412,634				105,948	127,137	162,453	
Paga STP	0	4,445		2,131,111				159,833	191,800	245,078	

Note: 1) Q1: Design Average Daily Flow, Per Capita Sewage Flow= 75 lpcd  
 2) Q2: Design Maximum Daily Flow, Per Capita Sewage Flow= 90 lpcd  
 3) Q3: Design Maximum Hourly Flow, Per Capita Sewage Flow= 115 lpcd

Table 14.5.2.2 Design Sewage Flow of Existing Sewerage Service Area (Year 1997)

Trunk Main	Lift Station	Area (ha)			Population (person)			Sewage Flow (cu.m/day)			Total
		Each	Total	Each	Q1	Q2	Q3	Q1	Q2	Q3	
Gulshan	Tejgaon LS	71.9	227.345		17,051	20,461	26,145				
Trunk Main	Sub-total	71.9	227.345		17,051	20,461	26,145				26,145
Faridabad	Faridabad LS	44	38,104		2,858	3,429	4,382				
Trunk Main	Trunk Main No.1	30.9	353	266,544	304,648	19,991	23,989	30,653	22,849	27,418	35,035
	Sub-total	35.3	304,648		22,849	27,418	35,035				35,035
Asadgate	Asadgate LS	153	97,374		7,303	8,764	11,198				
Trunk Main	Tejgaon LS	498	1,004	194,654	519,373	14,599	17,519	22,385	38,953	46,744	59,723
Asadgate	Bashaboot LS	368	1,372	254,288	773,661	19,072	22,886	29,243	58,025	69,629	88,971
Trunk Main	Sayedabad LS	255	1,627	176,205	949,866	13,215	15,838	20,264	71,240	85,488	109,235
	Sub-total	1,274	1,627	722,521	949,866	54,189	65,027	83,090	71,240	85,488	109,235
Nawabgonj	Nawabgonj LS	115	87,872		6,590	7,908	10,105				
Trunk Main	No.1	22	137	19,052	106,924	1,429	1,715	2,191	8,019	9,623	12,296
Azimpur	LS	75		61,914		4,644	5,572	7,120			
Azimpur	Main	11	86	9,526	71,440	714	857	1,095	5,358	6,430	8,216
Nawabgonj	Trunk Main No.2	60	283	51,960	230,324	3,897	4,676	5,975	17,274	20,729	26,487
Trunk Main	Medical College LS	97		42,004		3,150	3,780	4,830			
MC Main		38	135	23,800	65,804	1,785	2,142	2,737	4,935	5,922	7,567
Trunk Main	No.3	239	657	206,974	503,102	15,523	18,628	23,802	37,733	45,279	57,857
	Sub-total	657	503,102		37,732	45,278	57,855				
Hazaribag	LS	142	747	96,560		7,242	8,690	11,104			
New Market	LS	605	747	269,967	366,527	20,248	24,297	31,046	27,490	32,987	42,151
Trunk Main	No.1	88	835	31,680	398,207	2,376	2,851	3,643	29,866	35,839	45,794
Moghazar	LS	147		67,493		5,062	6,074	7,762			
Moghazar	Main	70	217	25,200	92,693	1,890	2,268	2,898	6,952	8,342	10,660
Trunk Main	Trunk Main No.2	122	1,174	43,920	534,820	3,294	3,953	5,051	40,112	48,134	61,504
P&T	LS	351		185,609		13,921	16,705	21,345			
P&T	Main	72	423	27,906	213,515	2,093	2,512	3,209	16,014	19,216	24,554
Trunk Main	No.3	211	1,808	109,862	858,197	8,240	9,888	12,634	64,365	77,238	98,693
	Sub-total	1,808	1,808	858,197	858,197	64,366	77,238	98,692	64,365	77,238	98,693
Narinda PS		0	2,818		1,665,947				124,946	149,935	191,584
Pagla STP		0	4,445		2,615,813				196,186	235,423	300,818

Note: 1) Q1: Design Average Daily Flow, Per Capita Sewage Flow = 75 lpcd  
 2) Q2: Design Maximum Daily Flow, Per Capita Sewage Flow = 90 lpcd  
 3) Q3: Design Maximum Hourly Flow, Per Capita Sewage Flow = 115 lpcd

**Table 14.5.2.3 Design Sewage Flow of Existing Sewerage Service Area (Year 2005)**

Trunk Main	Lift Station	Area (ha)		Population (person)		Sewage Flow (cu.m/day)							
		Each	Total	Each	Total	Q1	Q2	Q3	Each	Q1	Q2	Q3	Total
<b>Gulshan</b>	Tejgaon LS	719	324,510		30,828	37,319	47,054						
Trunk Main	Sub-total	719	324,510	324,510	30,828	37,319	47,054						30,828
<b>Faridabad</b>	Fardabab LS	44	42,460		4,034	4,883	6,157						
Trunk Main	Trunk Main No.1	309	353	297,777	340,237	28,289	34,244	43,178	32,323	39,127	49,335	32,323	37,319
Trunk Main	Sub-total	353	353	340,237	340,237	32,323	39,127	49,335	32,323	39,127	49,335	32,323	37,319
<b>Asadgate</b>	Asadgate LS	153	125,404		11,913	14,421	18,184						
Trunk Main	Tejgaon LS	498	1,004	250,118	700,032	23,761	28,764	36,267	66,503	80,504	101,505		
Bashaboo LS	368	1,372	330,096	1,030,128	31,359	37,961	47,864	97,862	118,465	149,369			
Sayedabad LS	265	1,627	228,735	1,258,863	21,730	26,305	33,167	119,592	144,769	182,535			
Sub-total	1,274	1,627	934,353	1,258,863	88,763	107,451	135,482	119,592	144,769	182,535			
<b>Nawabgoji LS</b>	115		105,368		10,010	12,117	15,278						
Trunk Main No.1	22	137	21,230	126,598	2,017	2,441	3,078	12,027	14,559	18,357			
Azimpur LS	75		69,333		6,587	7,973	10,053						
Azimpur Main	11	86	10,615	79,948	1,008	1,221	1,539	7,595	9,194	11,592			
Trunk Main No.2	60	283	57,900	264,446	5,501	6,659	8,396	25,122	30,411	38,345			
<b>Medical College LS</b>	97		51,524		4,895	5,925	7,471						
MC Main	38	135	27,544	79,068	2,617	3,168	3,994	7,511	9,093	11,465			
Trunk Main No.3	239	657	230,635	574,149	21,910	26,523	33,442	54,544	66,027	83,252			
Sub-total	657	657	574,149	574,149	54,545	66,027	83,251	54,544	66,027	83,252			
<b>Hazaribag LS</b>	142		124,392		11,817	14,305	18,037						
New Market LS	605	747	343,648	468,040	32,647	39,520	49,829	44,464	53,825	67,866			
Trunk Main No.1	88	835	40,304	508,344	3,829	4,635	5,844	48,293	58,460	73,710			
Moghbaaz LS	147		86,723		8,239	9,973	12,575						
Moghbaaz Main	70	217	32,060	118,783	3,046	3,687	4,649	11,284	13,660	17,224			
Trunk Main No.2	122	1,174	55,876	683,003	5,308	6,426	8,102	64,885	78,545	99,035			
P&T LS	351		239,339		22,737	27,524	34,704						
P&T Main	72	423	35,610	274,949	3,383	4,095	5,163	26,120	31,619	39,868			
Trunk Main No.3	211	1,808	130,607	1,088,559	12,408	15,020	18,938	103,413	125,184	157,841			
Sub-total	1,808	1,808	1,088,559	1,088,559	103,414	125,185	157,841	103,413	125,184	157,841			
<b>Narinda PS</b>	0	2,818		2,002,945				190,280	230,339	290,427			
Pragla STP	0	4,445		3,261,808				309,872	375,108	472,962			

Note: 1) Q1: Design Average Daily Flow, Per Capita Sewage Flow = 95 lpd  
 2) Q2: Design Maximum Daily Flow, Per Capita Sewage Flow = 115 lpd  
 3) Q3: Design Maximum Hourly Flow, Per Capita Sewage Flow = 145 lpd

**Table 14.5.2.4 Design Sewage Flow of Existing Sewerage Service Area (Year 2010)**

Trunk Main	Lit Station	Area (ha)		Population (person)			Sewage Flow (cu.m/day)			Total
		Each	Total	Each	Total	Q1	Q2	Q3	Q1	
Gulshan	Tejaon LS	719	353,307		35,331	44,163	56,529			
Trunk Main	Sub-total	719	353,307	353,307	35,331	44,163	56,529	35,331	44,163	56,529
Faridabad	Fardabab LS	44	43,164		4,316	5,396	6,906			
Trunk Main	Trunk Main No.1	309	353	302,937	346,101	30,294	37,867	48,470	34,610	43,263
	Sub-total	353	353	346,101	346,101	34,610	43,263	55,376	34,610	43,263
Asadgate	Asadgate LS	153	132,787		13,279	16,598	21,246			
Asadgate	Tejaon LS	498	1,004	260,782	746,876	26,078	32,598	41,725	74,688	93,360
Trunk Main	Bashaboo LS	368	1,372	349,232	1,096,108	34,923	43,654	55,877	109,611	137,014
	Sayedabad LS	255	1,627	241,995	1,338,103	24,200	30,249	38,719	133,810	167,263
	Sub-total	1,274	1,627	984,796	1,338,103	98,480	123,099	157,567	133,810	167,263
Nawabgonj	Nawabgonj LS	115	109,539		10,954	13,692	17,526			
Trunk Main	Trunk Main No.1	22	137	21,582	131,121	2,158	2,698	3,453	13,112	16,390
Azimpur	Azimpur LS	75	70,533		7,053	8,817	11,285			
Azimpur	Main	11	86	10,791	81,324	1,079	1,349	1,727	8,132	10,166
Trunk Main	Trunk Main No.2	60	283	58,860	271,305	5,886	7,358	9,418	27,131	33,913
	Medical College LS	97	53,076		5,308	6,635	8,492			
MC Main		38	135	28,152	81,228	2,815	3,519	4,504	8,123	10,154
Trunk Main	Trunk Main No.3	239	657	234,459	586,992	23,446	29,307	37,513	58,699	73,374
	Sub-total	657	657	586,992	586,992	58,699	73,375	93,918	58,699	73,374
Hazaribag	Hazaribag LS	142	131,918		13,192	16,490	21,107			
	New Market LS	605	747	359,039	490,957	35,904	44,880	57,446	49,096	61,370
Trunk Main	Trunk Main No.1	88	835	41,712	532,669	4,171	5,214	6,674	53,267	66,584
Moghbozar	Moghbozar LS	147	90,703		9,070	11,338	14,512			
Moghbozar	Main	70	217	33,180	123,883	3,318	4,148	5,309	12,388	15,485
Trunk Main	Trunk Main No.2	122	1,174	57,828	714,380	5,783	7,229	9,252	71,438	89,298
P&T LS	351		251,399		25,140	31,425	40,224			
P&T Main		72	423	36,978	288,377	3,698	4,622	5,916	28,838	36,047
Trunk Main	No.3	211	1,808	133,983	1,136,740	13,398	16,748	21,437	113,674	142,093
	Sub-total	1,808	1,808	1,136,740	1,136,740	113,674	142,094	181,877	113,674	142,093
Narinda PS		0	2,818		2,069,833				206,983	258,729
Pagla STP		0	4,445		3,407,936				340,794	425,992

Note: 1) Q1: Design Average Daily Flow, Per Capita Sewage Flow = 100 lpcd  
 2) Q2: Design Maximum Daily Flow, Per Capita Sewage Flow = 125 lpcd  
 3) Q3: Design Maximum Hourly Flow, Per Capita Sewage Flow = 160 lpcd

Table 14.5.2.5 Design Sewage Flow of Existing Sewerage Service Area (Year 2015)

Trunk Main	Lift Station	Area (ha)			Population (person)			Sewage Flow (cu.m/day)			Total
		Each	Total	Each	Total	Q1	Q2	Q3	Q1	Q2	
Gulshan	Tejgaon LS	71.9		383,998		38,400	48,000	61,440			
Trunk Main	Sub-total	71.9	719	383,998	383,998	38,400	48,000	61,440	38,400	48,000	61,440
Faridabad	Faridabad LS	44		43,912		4,391	5,489	7,026			
Trunk Main	Trunk Main No.1	309	353	308,406	352,318	30,841	38,551	49,345	35,232	44,040	56,371
Trunk Main	Sub-total	353	353	352,318	352,318	35,232	44,040	56,371	35,232	44,040	56,371
Asadgate	Asadgate LS	153		140,454		14,045	17,557	22,473			
Trunk Main	Tejgaon LS	498	1,004	271,944	796,396	27,194	33,993	43,511	79,640	99,550	127,423
	Bashaboot LS	368	1,372	368,736	1,165,132	36,874	46,092	58,998	116,513	145,642	186,421
Sayedabad LS	255	1,627	255,510	1,420,642	25,551	31,539	40,882	142,064	177,580	227,303	
Sub-total	1,274	1,627	1,036,644	1,420,642	103,664	129,581	165,864	142,064	177,580	227,303	
Nawabgonj LS	115		113,888		11,389	14,236	18,222				
Trunk Main No.1	22	137	21,956	135,844	2,196	2,745	3,513	13,584	16,981	21,735	
Azimpur LS	75		71,808		7,181	8,976	11,489				
Azimpur Main	11	86	10,978	82,786	1,098	1,372	1,756	8,279	10,348	13,246	
Trunk Main No.2	60	283	59,880	278,510	5,988	7,485	9,581	27,851	34,814	44,562	
Medical College LS	97		54,725		5,473	6,841	8,756				
MC Main	38	135	28,798	83,523	2,880	3,600	4,608	8,352	10,440	13,364	
Trunk Main No.3	239	657	238,522	600,555	23,852	29,815	38,164	60,056	75,069	96,089	
Sub-total	657	657	600,555	600,555	60,057	75,070	96,089	60,056	75,069	96,089	
Hazaribag LS	142		139,728		13,973	17,466	22,356				
New Market LS	605	747	375,138	514,866	37,514	46,892	60,022	51,487	64,358	82,379	
Trunk Main No.1	88	835	43,208	558,074	4,321	5,401	6,913	55,807	69,759	89,292	
Moghbaaz LS	147		94,830		9,483	11,854	15,173				
Moghbaaz Main	70	217	34,370	129,200	3,437	4,296	5,499	12,920	16,150	20,672	
Trunk Main No.2	122	1,174	59,902	747,176	5,990	7,488	9,584	74,718	93,397	119,548	
P&T LS	351		263,810		26,381	32,976	42,210				
P&T Main	72	423	38,418	302,228	3,842	4,802	6,147	30,223	37,779	48,356	
Trunk Main No.3	211	1,808	137,570	1,186,974	13,757	17,196	22,011	118,697	148,372	189,916	
Sub-total	1,808	1,808	1,186,974	1,186,974	118,698	148,371	189,915	118,697	148,372	189,916	
Narinda PS	0	2,818		2,139,847				213,985	267,481	342,376	
Pagla STP	0	4,445		3,560,489				356,049	445,061	569,678	

Note: 1) Q1: Design Average Daily Flow, Per Capita Sewage Flow = 100 lpcd  
 2) Q2: Design Maximum Daily Flow, Per Capita Sewage Flow = 125 lpcd  
 3) Q3: Design Maximum Hourly Flow, Per Capita Sewage Flow = 160 lpcd

**Table 14.5.2.6 Design Sewage Flow of Existing Sewerage Service Area (Year 2020)**

Trunk Main	Lift Station	Area (ha)		Population (person)			Sewage Flow (cu.m/day)			Total
		Each	Total	Each	Total	Q1	Q2	Q3	Q1	
Gulshan	Tejgaon LS	71.9	413,365	413,365	41,337	51,671	66,138	66,138	41,337	51,671
Trunk Main	Sub-total	71.9	719	413,365	413,365	51,671	66,138	66,138	41,337	51,671
Faridabad	Faridabad LS	44	44,616	44,616	4,462	5,577	7,139	7,139	4,462	5,577
Trunk Main	Trunk Main No.1	309	353	313,566	358,182	31,357	39,196	50,171	35,818	44,773
Trunk Main	Sub-total	353	353	358,182	358,182	35,819	44,773	57,310	35,818	44,773
Asadgate	Asadgate LS	153	147,815	147,815	14,782	18,477	23,650	23,650	14,782	18,477
Trunk Main	Tejgaon LS	498	1,004	282,132	843,312	28,213	35,267	45,141	84,331	105,414
Trunk Main	Bashaboo LS	368	1,372	387,872	1,231,184	38,787	48,484	62,060	123,118	153,898
Trunk Main	Sayedabad LS	255	1,627	268,770	1,499,954	26,877	33,596	43,003	149,995	187,494
Trunk Main	Sub-total	1,274	1,627	1,086,589	1,499,954	108,659	135,824	173,854	149,995	187,494
Nawabganj	Nawabganj LS	115	118,059	118,059	11,806	14,757	18,889	18,889	14,757	18,889
Trunk Main No.1	22	137	22,308	140,367	2,231	2,789	3,569	3,569	14,037	17,546
Azimpur	Azimpur LS	75	73,008	73,008	7,301	9,126	11,681	11,681	7,301	9,126
Azimpur	Main	11	86	11,154	84,162	1,115	1,294	1,785	8,416	10,520
Nawabganj	Trunk Main No.2	60	283	60,840	285,369	6,084	7,605	9,734	28,537	35,671
Trunk Main	Medical College LS	97	56,277	56,277	5,628	7,035	9,004	9,004	5,628	7,035
MC Main	38	135	29,406	85,683	2,941	3,676	4,705	4,705	3,676	4,705
Trunk Main No.3	239	657	242,346	613,398	24,235	30,293	38,775	38,775	61,340	76,675
Trunk Main	Sub-total	657	657	613,398	613,398	61,341	76,675	98,144	61,340	76,675
Hazaribag	Hazaribag LS	142	147,254	147,254	14,726	18,407	23,561	23,561	14,726	18,407
New Market	LS	605	747	390,054	537,308	39,005	48,757	62,409	53,731	67,164
Trunk Main No.1	88	835	44,616	581,924	4,462	5,577	7,139	7,139	58,192	72,741
Moghbazar	LS	147	98,790	98,790	9,879	12,349	15,806	15,806	9,879	12,349
Moghbazar	Main	70	217	35,490	134,280	3,549	4,436	5,678	13,428	16,785
Trunk Main	Trunk Main No.2	122	1,174	61,854	778,058	6,185	7,732	9,897	77,806	98,144
P&T LS	351	275,870	275,870	27,587	34,484	44,139	44,139	44,139	34,484	44,139
P&T Main	72	423	39,786	315,656	3,979	4,973	6,366	6,366	31,566	39,457
Trunk Main No.3	211	1,808	140,946	1,234,660	14,095	17,618	22,551	22,551	123,466	154,333
Sub-total	1,808	1,808	1,234,660	1,234,660	123,466	154,333	197,546	197,546	123,466	154,333
Narinda PS		0	2,818	2,206,240					220,624	275,780
Pagla SIP		0	4,445	3,706,194					370,619	463,274

Note: 1) Q1: Design Average Daily Flow, Per Capita Sewage Flow = 100 lpcd  
 2) Q2: Design Maximum Daily Flow, Per Capita Sewage Flow = 125 lpcd  
 3) Q3: Design Maximum Hourly Flow, Per Capita Sewage Flow = 160 lpcd

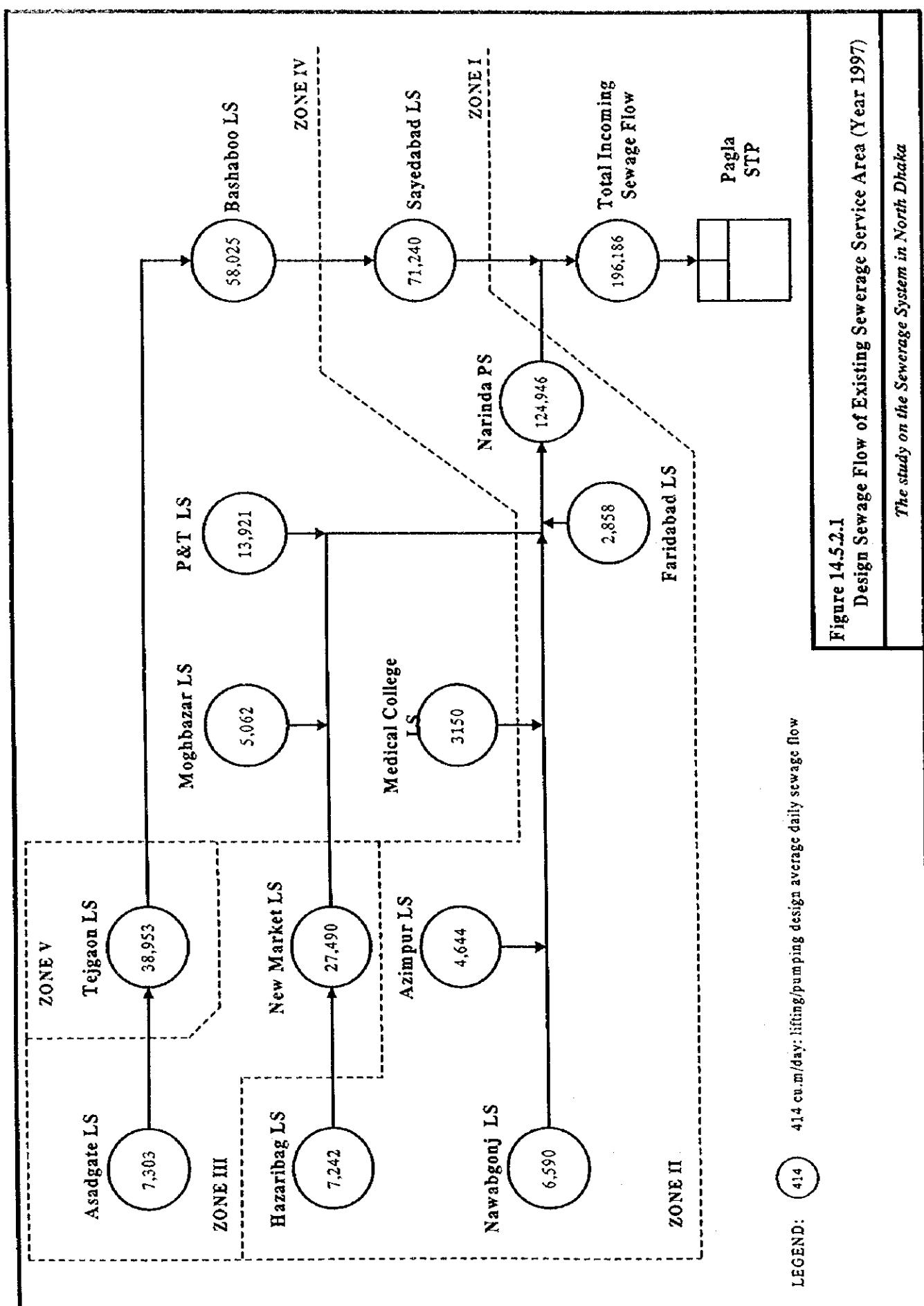


Figure 14.5.2.1  
Design Sewage Flow of Existing Sewerage Service Area (Year 1997)

*The study on the Sewerage System in North Dhaka*

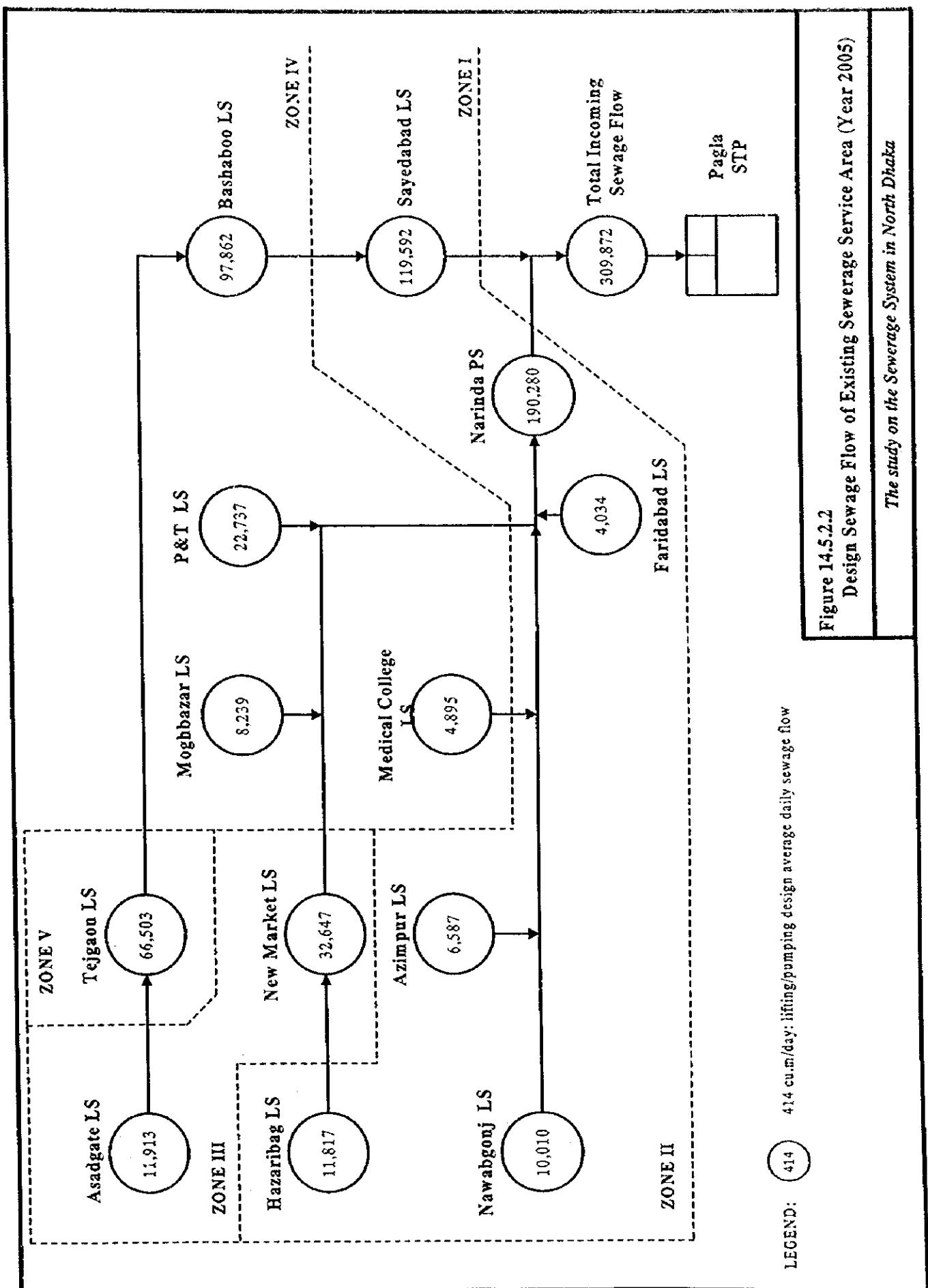


Figure 14.5.2.2  
Design Sewage Flow of Existing Sewerage Service Area (Year 2005)

The study on the Sewerage System in North Dhaka

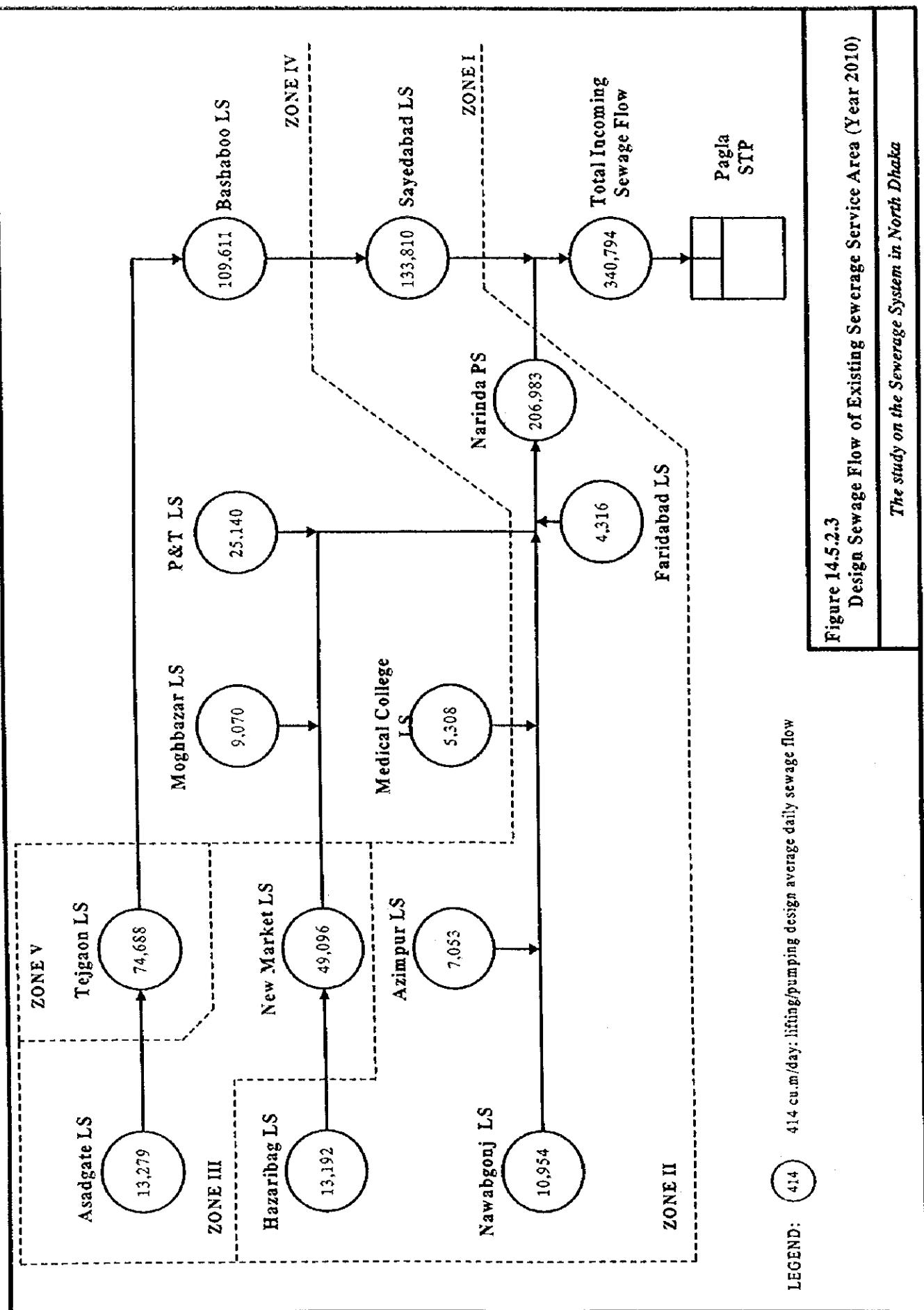


Figure 14.5.2.3  
Design Sewage Flow of Existing Sewerage Service Area (Year 2010)

*The study on the Sewerage System in North Dhaka*

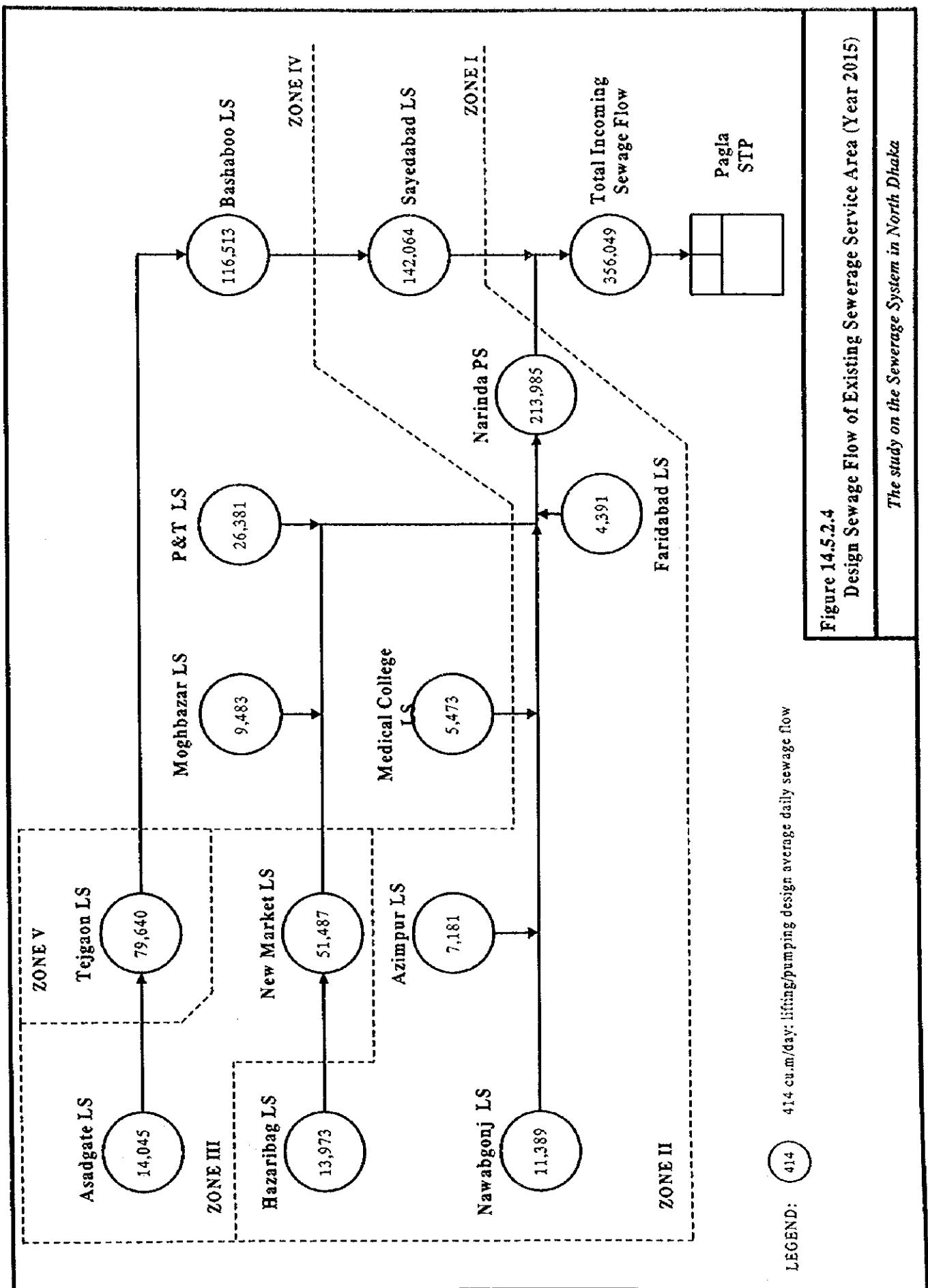
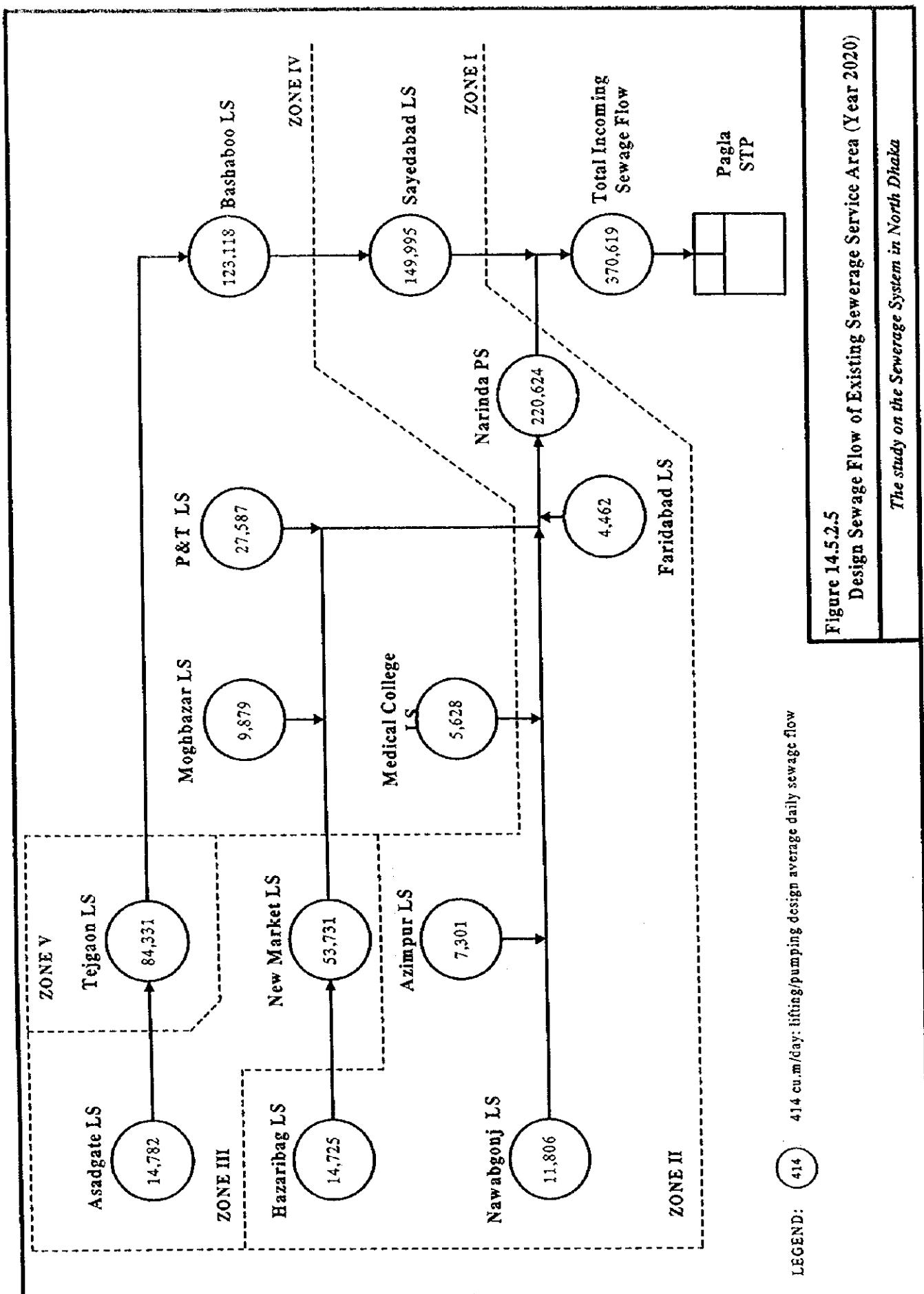


Figure 14.5.2.4  
Design Sewage Flow of Existing Sewerage Service Area (Year 2015)

The study on the Sewerage System in North Dhaka



**Appendix 14.5.3.3 Design Incoming Sewage Flow of Existing Lift Station (Year 2005)**

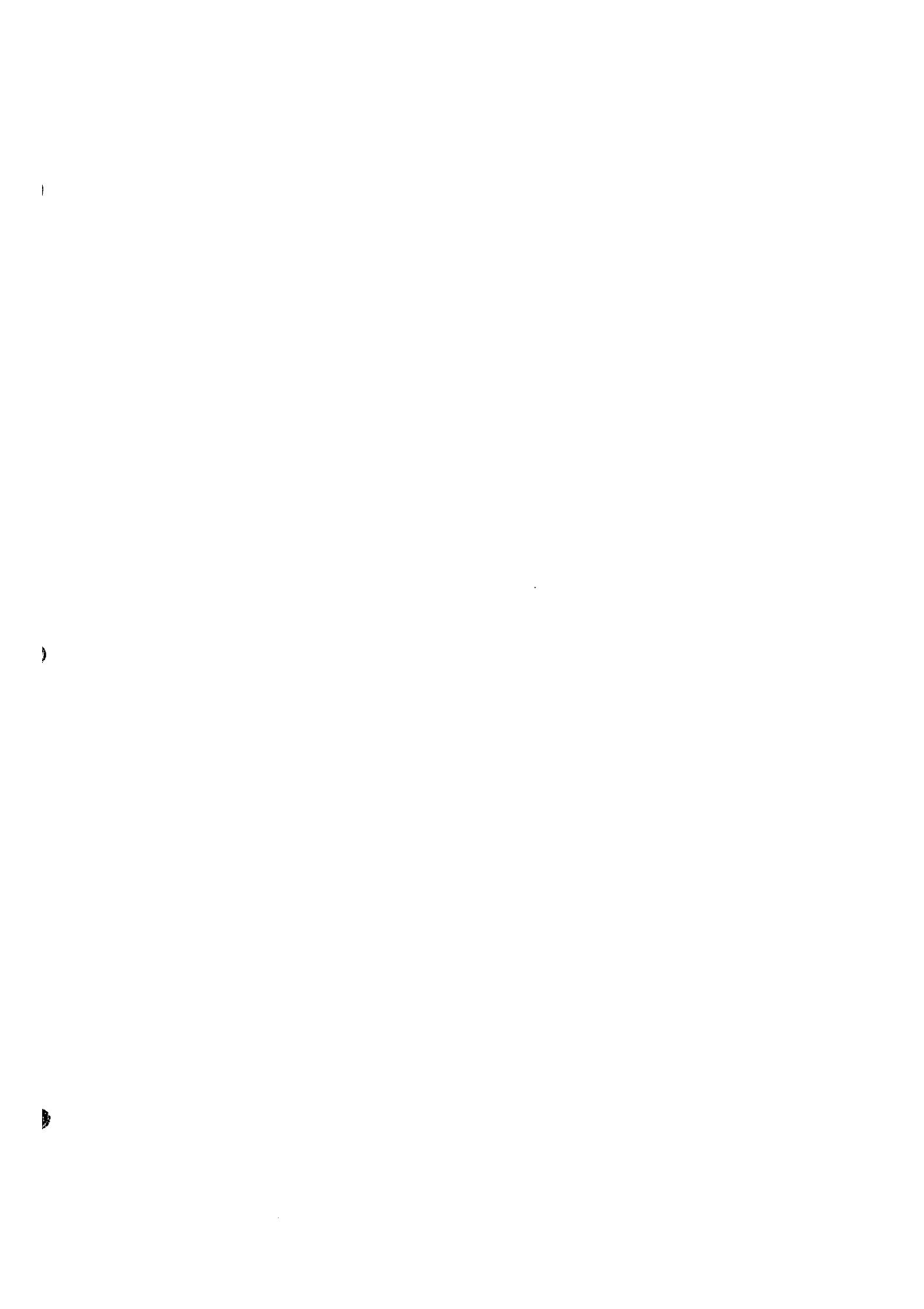
**Table 14.5.3.1 Design Sewage Flow of Existing Sewerage Service Area (Year 2005)**

Trunk Main	Lift Station	Area (ha)			Population (person)			Each			Sewage Flow (cu.m/day)			Total			
		Each	Total	Each	Total	Q1	Q2	Q3	Q1	Q2	Q3	Q1	Q2	Q3			
Gulshan	Tejgaon LS	719	316,573	316,573	316,573	30,074	36,406	45,903	30,074	36,406	45,903	36,406	36,406	45,903			
	Sub-total	719	316,573	316,573	316,573	30,074	36,406	45,903	30,074	36,406	45,903	36,406	36,406	45,903			
Trunk Main	Fardababd LS	44	42,460	42,460	42,460	4,034	4,883	6,157	4,034	4,883	6,157	4,034	4,883	6,157	49,334		
	Trunk Main No.1	309	353	297,777	340,237	28,289	34,244	43,178	32,323	39,127	39,127	32,323	39,127	39,127	49,334		
Trunk Main	Sub-total	353	353	340,237	340,237	32,323	39,127	49,335	32,323	39,127	39,127	32,323	39,127	39,127	49,334		
	Asadgate LS	153	125,404	11,913	11,913	1,4,421	18,184		1,4,421	18,184		1,4,421	18,184				
Asadgate	Tejgaon LS	498	1,004	250,118	692,095	23,761	28,764	36,267	65,749	79,591	100,354	65,749	79,591	100,354			
	Bashaboo LS	368	1,372	330,096	1,022,191	31,359	37,961	47,864	97,08	117,552	148,218	97,08	117,552	148,218			
Trunk Main	Sayedabad LS	255	1,627	228,735	1,250,926	21,730	26,305	33,167	118,838	143,856	181,384	21,730	26,305	33,167	181,384		
	Sub-total	1,274	1,627	934,533	1,250,926	88,763	107,451	135,482	118,838	143,856	181,384	88,763	107,451	135,482	181,384		
Nawabgonj LS	Nawabgonj LS	115	105,368	10,010	12,117	15,278			12,117	15,278		12,117	15,278		18,357		
	Trunk Main No.1	22	137	21,230	126,598	2,017	2,441	3,078	12,027	14,559		12,027	14,559				
Azimpur LS	Azimpur LS	75	69,333	6,587	7,973	10,053			6,587	7,973	10,053	6,587	7,973	10,053			
	Trunk Main No.2	60	283	57,900	264,446	5,501	6,659	8,396	25,122	30,411		264,446	30,411				
Trunk Main	Medical College LS	97	51,524	4,895	5,925	7,471			4,895	5,925	7,471	4,895	5,925	7,471			
	MC Main	38	135	27,544	79,068	2,617	3,168	3,994	7,511	9,093	11,465	27,544	3,168	3,994	7,511	11,465	
Trunk Main No.3	Trunk Main No.3	239	657	230,635	574,149	21,910	26,523	33,442	54,544	66,027	83,252	21,910	26,523	33,442	54,544	83,252	
	Sub-total	657	657	574,149	574,149	54,545	66,027	83,251	54,544	66,027	83,252	54,545	66,027	83,251	83,252		
Hazaribag LS	Hazaribag LS	142	124,392	11,817	14,305	18,037			11,817	14,305		11,817	14,305				
	New Market LS	605	747	343,648	468,040	32,647	39,520	49,829	44,464	53,825	67,866	32,647	39,520	49,829	44,464	67,866	
Trunk Main No.1	Trunk Main No.1	88	835	40,304	508,344	3,829	4,635	5,844	48,293	58,460	73,710	40,304	508,344	3,829	4,635	5,844	73,710
	Moghobazar LS	147	86,723	8,239	9,973	12,575			8,239	9,973	12,575	8,239	9,973	12,575			
Trunk Main	Moghobazar Main	70	217	32,060	118,783	3,046	3,687	4,649	11,284			3,046	3,687	4,649	11,284		
	Trunk Main No.2	122	1,174	55,876	683,003	5,308	6,426	8,102	64,885	78,545	99,035	5,308	6,426	8,102	64,885	99,035	
P&T LS	P&T LS	351	239,339	22,737	27,524	34,704			22,737	27,524	34,704	22,737	27,524	34,704			
	P&T Main	72	423	35,610	274,949	3,383	4,095	5,163	26,120	31,619	39,868	3,383	4,095	5,163	26,120	39,868	
Trunk Main No.3	Trunk Main No.3	211	1,808	130,607	1,088,559	12,408	15,020	18,938	103,413	125,184	157,841	12,408	15,020	18,938	103,413	125,184	
	Sub-total	1,808	1,808	1,088,559	1,088,559	103,414	125,185	157,841	103,413	125,184	157,841	103,414	125,185	157,841	103,413	125,184	
Narinda PS	Narinda PS	0	2,818	2,002,945								2,002,945					
	Pagle STP	0	4,445	3,253,871								3,253,871					

Note: 1) Q1: Design Average Daily Flow, Per Capita Sewage Flow= 95 lped  
 2) Q2: Design Maximum Daily Flow, Per Capita Sewage Flow= 115 lped  
 3) Q3: Design Maximum Hourly Flow, Per Capita Sewage Flow= 145 lped

**Table 14.5.3.2 Sewage Flow of Each Lift Station (Year 2005)**

Lift Station	Area	Design Sewage Flow		Sewerage Service Ratio %	Sewerage Leakage Ratio %	Sewage Flow	
		Q1 cu.m/day	Q3 cu.m/day			Q1 cu.m/day	Q3 cu.m/day
Asad Gate		11,913	18,184	64	69	2364	3,608
Tejgaon	North Dhaka	30,074	45,903	44	69	4102	6,261
	South Dhaka	23,761	36,267	64	69	4714	7,195
	Total	65,748	100,354			11,180	17,064
Bashaboo	Each	31,359	47,864	64	69	6222	9,496
	Total	97,107	148,218			17,402	26,560
Sayedabad	Each	21,730	33,166	64	69	4311	6,580
	Total	118,837	181,384			21,713	33,140
Hazaribag		11,817	18,037	64	27	5521	8,427
New Market		44,464	67,866	64	27	20774	31,707
Moghbazar		8,239	12,575	64	27	3849	5,875
P&T		22,737	34,704	64	27	10623	16,214
Nawabgonj		10,010	15,278	64	27	4677	7,138
Azimpur		6,587	10,053	64	27	3077	4,697
Medical College		4,895	7,471	64	27	2287	3,490
Faridabad		4,034	6,157	64	27	1885	2,877
Narinda		190,280	290,427	64	27	88899	135,687
Pagla STP		309,117	471,811			110612	168,827



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