

**Informality Survey: Derivation of Sampling Weights -- Step by Step****Step 1:**

The Informality Survey is limited to old 19 districts. Distribution of census listing of enterprises of these districts are provided in Table 1 below. This distribution of the universe was compiled from two sources: (1) Economic Governance Index listing of enterprises in 19 districts; (2) Listing of 50+ enterprises from BBS Economic Census for the 19 districts.

**Table 1: Census Distribution of Enterprises by District and Size Class**

District Name	Number of location with business concentration	Total number of enterprises with 1 to 49 employees by district	Total number of enterprises with 50 & Up employees by district	Total number of Enterprises
BARISAL	42	11,630	9	11,639
BOGRA	65	15,649	41	15,690
CHITTAGONG	134	29,750	229	29,979
COMILLA	35	7,475	44	7,519
COX'S BAZAR	15	2,442	10	2,452
DHAKA	291	137,477	1,117	138,594
DINAJPUR	34	6,059	20	6,079
FARIDPUR	25	6,085	13	6,098
JESSORE	38	7,040	75	7,115
KHULNA	60	10,990	29	11,019
KUSHTIA	17	3,435	24	3,459
MYMENSINGH	32	4,886	13	4,899
NOAKHALI	27	5,872	11	5,883
PABNA	37	8,930	36	8,966
PATUAKHALI	35	3,975	14	3,989
RAJSHAHI	58	12,053	20	12,073
RANGPUR	30	8,370	29	8,399
SYLHET	53	13,600	48	13,648
TANGAIL	19	2,633	6	2,639

**Step 2:**

A minimum of either 8 locations (bazars) or 10% of the locations identified as business concentrated area were selected based on Probability Proportional to Size (PPS). Employment information from all the enterprises located within those selected locations were collected. Distribution of those enterprises by Employment Size Class and District is provided below. A detailed discussion on the PPS methodology applied in sampling is provided as an attachment file (Filename: EGI

**Table 2: Distribution of Enterprises in selected location (using PPP) by District and Employment Size Class**

District Name	Number of location with business concentration	Total NUMBER Enterprise of the sites selected for survey per district	Class I (1-3 employee)	Class II (4-9 employee)	Class III (10-49 employee)	Class IV (50 and above employee)
BARISAL	8	2,340	2,021	265	49	5
BOGRA	8	2,079	1,768	266	42	3
CHITTAGONG	14	5,360	4,228	988	140	4
COMILLA	8	2,760	2,343	388	28	1
COX'S BAZAR	8	2,109	1,621	387	99	2
DHAKA	29	14,292	11,704	2,385	200	3
DINAJPUR	8	2,222	1,959	224	37	2
FARIDPUR	8	2,042	1,708	289	44	1
JESSORE	8	1,972	1,587	343	41	1
KHULNA	8	2,468	2,004	373	90	1
KUSHTIA	8	1,970	1,612	268	88	2
MYMENSINGH	8	1,971	1,598	323	49	1
NOAKHALI	8	1,682	1,350	284	47	1
PABNA	8	2,691	2,175	445	69	2
PATUAKHALI	8	1,769	1,593	160	16	-
RAJSHAHI	8	2,003	1,681	285	37	-
RANGPUR	8	2,612	2,223	329	59	1
SYLHET	8	1,961	1,455	453	51	2
TANGAIL	8	1,510	1,259	219	32	-

**Step 3:**

Using the employment distribution found through the listing exercise (Table 2) the enterprise universe (Table 1) of 1-49 employee is redistributed.

**Table 3: Distribution of Universe (Enterprises) by Employment Size Class and Districts**

District Name	Number of location with business concentration	Total NUMBER Enterprise of the sites selected for survey per district	Class I (1-3 employee)	Class II (4-9 employee)	Class III (10-49 employee)	Class IV (50 and above employee)
BARISAL	42	11,639	10,066	1,320	244	9
BOGRA	65	15,690	13,327	2,005	317	41
CHITTAGO	134	29,980	23,485	5,488	778	229
COMILLA	35	7,519	6,348	1,051	76	44
COX'S BAZAR	15	2,453	1,879	449	115	10
DHAKA	291	138,594	112,606	22,947	1,924	1,117
DINAJPUR	34	6,079	5,347	611	101	20
FARIDPUR	25	6,098	5,092	862	131	13
JESSORE	38	7,114	5,668	1,225	146	75
KHULNA	60	11,019	8,927	1,662	401	29
KUSHTIA	17	3,460	2,814	468	154	24
MYMENSINGH	32	4,899	3,963	801	122	13
NOAKHALI	27	5,883	4,716	992	164	11
PABNA	37	8,966	7,223	1,478	229	36
PATUAKHA	35	3,990	3,580	360	36	14
RAJSHAHI	58	12,073	10,115	1,715	223	20
RANGPUR	30	8,399	7,126	1,055	189	29
SYLHET	53	13,648	10,101	3,145	354	48
TANGAIL	19	2,639	2,195	382	56	6
Total	1,047	300,142	244,578	48,016	5,760	1,788

**Step 4:**

Distribution of the surveyed enterprises by their employment size class is generated and presented in Table 4 below.

**Table 4: Distribution of Enterprises Surveyed by Employment Size Class and Districts**

District Name	Number of location with business concentration	Total Enterprise	Class I (1-3 employee)	Class II (4-9 employee)	Class III (10-49 employee)	Class IV (50 and above employee)
BARISAL	8	65	24	22	18	1
BOGRA	8	61	25	17	16	3
CHITTAGO	14	183	53	69	50	11
COMILLA	8	70	33	26	9	2
COX'S BAZAR	8	84	17	38	29	0
DHAKA	29	431	131	181	75	44
DINAJPUR	8	57	26	21	8	2
FARIDPUR	8	60	21	22	16	1
JESSORE	8	62	16	27	16	3
KHULNA	8	87	25	27	34	1
KUSHTIA	8	74	18	21	34	1
MYMENSINGH	8	62	19	27	13	3
NOAKHALI	8	55	19	19	16	1
PABNA	8	86	30	28	26	2
PATUAKHA	8	42	24	9	8	1
RAJSHAHI	8	57	26	16	14	1
RANGPUR	8	76	30	24	21	1
SYLHET	8	69	15	33	21	0
TANGAIL	8	44	18	15	10	1
Total	179	1,725	570	642	434	79

**Step 5:**

Sample weight is calculated by dividing the total number of enterprises by number of enterprises surveyed for each district and employment size class.

**Table 5: Sampling Weights by District and Size Class**

District Name	Class I (1-3 employee)	Class II (4-9 employee)	Class III (10-49 employee)	Class IV (50 and above employee)
BARISAL	419.42	60.00	13.56	9.00
BOGRA	533.08	117.94	19.81	13.67
CHITTAGO	443.11	79.54	15.56	20.82
COMILLA	192.36	40.42	8.44	22.00
COX'S BAZAR	110.53	11.82	3.97	#DIV/0!
DHAKA	859.59	126.78	25.65	25.39
DINAJPUR	205.65	29.10	12.63	10.00
FARIDPUR	242.48	39.18	8.19	13.00
JESSORE	354.25	45.37	9.13	25.00
KHULNA	357.08	61.56	11.79	29.00
KUSHTIA	156.33	22.29	4.53	24.00
MYMENSINGH	208.58	29.67	9.38	4.33
NOAKHALI	248.21	52.21	10.25	11.00
PABNA	240.77	52.79	8.81	18.00
PATUAKHA	149.17	40.00	4.50	14.00
RAJSHAHI	389.04	107.19	15.93	20.00
RANGPUR	237.53	43.96	9.00	29.00
SYLHET	673.40	95.30	16.86	#DIV/0!
TANGAIL	121.94	25.47	5.60	6.00