

2.2 Rural Electrification

2.2.1 Major Impact

2.2.1.1 Transmission Line

The transmission line passes through agriculture farming area. The tower and pole foundations will occupy the land permanently. Altogether it will occupy 3.18 ha. Among it, 1.55 ha is farmland. It will affect 1387 villages, 50270 families and 153690 people. Each tower foundation will approximately occupy 49m², and each pole foundation will occupy 0.25 m².

For 110kv Transmission Line, the affected villages is 89, which is 6 percent of the total affected villages; the affected households is 91, which is 0.2 percent of the total affected households; the affected population of 110kv the transmission line is 346, which is 0.2 percent of the total affected population. The maximum land to be occupied by 110kv Transmission Line is 2912 M² and the maximum farmland occupied is 1256 M². The maximum occupied land of the affected households was 53 m².

For 35kv Transmission Line, the affected villages is 179, which is 13 percent of the total affected villages; the affected households is 1969, which is 3.9 percent of the total affected households; the affected population of the 35kv transmission line is 6830, which is 4.4 percent of the total affected population. The maximum land to be occupied by 35kv Transmission Line is 1610 M² and the maximum farmland occupied is 664 M². The maximum occupied land of the affected households was 58 m².

For 10kv Transmission Line, the affected villages is 445, which is 32 percent of the total affected villages; the affected households is 47496, which is 94 percent of the total affected households; the affected population of the transmission line is 143685, which is 93 percent of the total affected population. The maximum land to be occupied by 10kv Transmission Line is 388 M² and the maximum farmland occupied is 388 M². And the land occupied condition of each line is shown in Table 2-28 and 2-29.

Table 2-28 Land Area Occupied by Transmission Line

Item	No. of Tower and Pole Foundations	Occupied Land (m ²)	Area of Farmland (m ²)	Numbers of Affected Village	% f Land Taken
1. Shijiazhuang City Area					
a. Jingxing County					
110 kV Transmission Lines	122	1834	738	14	0.05
35 kV Transmission Lines	56	302	132	9	0.02
10 kV Transmission Lines	716	91	91	16	0.01
Subtotal Jingxing County		2227	961	39	
b. Zanhuang County					
110 kV Transmission Lines	70	992	473	9	0.03
35 kV Transmission Lines	192	1610	649	12	0.03
10 kV Transmission Lines	2344	130	130	17	0.02
Subtotal Zanhuang County		2732	1252	38	
c. Pingshan County					
35 kV Transmission Lines	115	1012	549	12	0.02
10 kV Transmission Lines	1072	82	82	16	0.01
Retrofit low-voltage power network	-	-	-	68	-

Subtotal Pingshan County		1094	631	96	
d. Lingshou County					
110 kV Transmission Lines	95	1427	751	9	0.03
10 kV Transmission Lines	3478	158	158	32	0.02
Retrofit low-voltage power network	-	-	-	49	-
Subtotal Lingshou County		1585	909	90	
e. Yuanshi County					
110 kV Transmission Lines	99	986	329	8	0.03
10 kV Transmission Lines	2674	86	86	25	0.01
Subtotal Yuanshi County		1072	415	33	
f. Xingtang County					
110 kV Transmission Lines	145	1256	523	13	0.02
35 kV Transmission Lines	118	965	357	14	0.02
10 kV Transmission Lines	6854	388	388	53	0.02
Retrofit low-voltage power network	-	-	-	62	-
Subtotal Xingtang County		2609	1268	142	
g. Wuji County					
35 kV Transmission Lines	226	1560	627	22	0.03
10 kV Transmission Lines	3910	118	118	38	0.01
Subtotal Wuji County		1678	745	60	
2. Xingtai City Area					
a. Xingtai County					
110 kV Transmission Lines	86	982	421	11	0.03
35 kV Transmission Lines	38	480	210	12	0.02
10 kV Transmission Lines	-	-	-	13	
Retrofit low-voltage power network	-	-	-	62	-
Subtotal Xingtai County		1462	631	98	
b. Xinhe County					
35 kV Transmission Lines	145	1120	664	7	0.04
10 kV Transmission Lines	2375	186	186	16	0.02
Retrofit low-voltage power network	-	-	-	67	-
Subtotal Xinhe County		1306	850	90	
c. Guangzong County					
35 kV Transmission Lines	120	766	322	10	0.04
10 kV Transmission Lines	642	54	54	18	0.01
Subtotal Guangzong County		820	376	28	
d. Lincheng County					
35 kV Transmission Lines	62	512	210	7	0.02
10 kV Transmission Lines	1666	87	87	15	0.01
Retrofit low-voltage power network	-	-	-	61	-
Subtotal Lincheng County		599	297	83	
e. Shahe County					
110 kV Transmission Lines	60	653	367	8	0.04
35 kV Transmission Lines	65	482	243	7	0.020
10 kV Transmission Lines	4583	196	196	43	0.020
Subtotal Shahe County		1331	806	58	
3. Handan City Area					
a. Guangping County					
110 kV Transmission Lines	46	985	487	8	0.030
35 kV Transmission Lines	210	1265	652	16	0.030
10 kV Transmission Lines	1452	86	86	13	0.020
Subtotal Guangping County		2336	1225	37	
b. Guantao County					
35 kV Transmission Lines	128	978	485	12	0.03
10 kV Transmission Lines	1653	128	128	14	0.02
Retrofit low-voltage power network	-	-	-	61	-

Subtotal Guantao County		1106	613	87	
c. Linzhang County					
110 kV Transmission Lines	41	1346	689	9	0.04
35 kV Transmission Lines	60	957	356	8	0.03
10 kV Transmission Lines	2479	98	98	13	0.02
Retrofit low-voltage power network	-	-	-	67	-
Subtotal Linzhang County		2401	1143	97	
d. Shexian County					
35 kV Transmission Lines	62	756	298	6	0.02
10 kV Transmission Lines	1728	54	54	13	0.02
Subtotal Shexian County		810	352	19	
e. Daming County					
35 kV Transmission Lines	36	215	114	4	0.03
10 kV Transmission Lines	2106	58	58	14	0.02
Retrofit low-voltage power network	-	-	-	42	-
Subtotal Daming County		273	172	60	
f. Weixian County					
35 kV Transmission Lines	65	683	326	7	0.03
10 kV Transmission Lines	3166	76	76	24	0.02
Subtotal Weixian County		759	402	31	
4. Baoding City Area					
a. Laiyuan County					
10 kV Transmission Lines	-	-	-	12	-
Retrofit low-voltage power network	-	-	-	39	-
Subtotal Laiyuan County		-	-	51	-
b. Fuping County					
35 kV Transmission Lines	76	1280	563	9	0.03
10 kV Transmission Lines	894	85	85	12	0.01
Subtotal Fuping County		1365	648	21	
c. Tangxian					
10 kV Transmission Lines	1166	43	43	16	0.03
Retrofit low-voltage power network	-	-	-	9	-
Subtotal Tangxian		43	43	25	
d. Shunping County					
35 kV Transmission Lines	45	674	356	5	0.03
10 kV Transmission Lines	715	76	76	12	0.01
Subtotal Sunping County		750	432	17	
e. Dingzhou					
110 kV Transmission Lines	91	2912	1256	10	0.03
10 kV Transmission Lines	1823	86	86	18	0.01
Retrofit low-voltage power network	-	-	-	59	-
Subtotal Dingzhou		2998	1342	87	
Total					

Table 2-29 Land Occupied by Transmission Line

Item	Affected Villages	Affected Households	Affected Persons	Maximum Land Occupation for All HHs (m ²)	% of Land Acquired
1. Shijiazhuang City Area					
a. Jingxing County					
110 kV Transmission Lines	14	122	439	53	3.8
35 kV Transmission Lines	9	56	190	47	3.3

10 kV Transmission Lines	16	716	2363		0
Subtotal Jingxing County	39				
b. Zanhuang County					
110 kV Transmission Lines	9	70	238	49	3.2
35 kV Transmission Lines	12	192	672	36	2.8
10 kV Transmission Lines	17	2344	7735		
Subtotal Zanhuang County	38				
c. Pingshan County					
35 kV Transmission Lines	12	115	402	35	2.7
10 kV Transmission Lines	16	1072	3430		0
Retrofit low-voltage power network	68				
Subtotal Pingshan County	96				
d. Lingshou County					
110 kV Transmission Lines	9	95	342	42	2.9
10 kV Transmission Lines	32	3478	10781		0
Retrofit low-voltage power network	49				
Subtotal Lingshou County	90				
e. Yuanshi County					
110 kV Transmission Lines	8	99	337	40	3.1
10 kV Transmission Lines	25	2674			0
Subtotal Yuanshi County	33				
f. Xingtang County					
110 kV Transmission Lines	13	145	493	49	3.2
35 kV Transmission Lines	14	118	425	38	2.9
10 kV Transmission Lines	53	6854	21247		0
Retrofit low-voltage power network	62	-			
Subtotal Xingtang County	142				
g. Wuji County					
35 kV Transmission Lines	22	226	771	58	2.9
10 kV Transmission Lines	38	3910	12512		0
Subtotal Wuji County	60		-		
2. Xingtai City Area					
a. Xingtai County					
110 kV Transmission Lines	11	136	476	38	2.6
35 kV Transmission Lines	12	88	295	42	2.7
10 kV Transmission Lines	13	-			
Retrofit low-voltage power network	62	-			
Subtotal Xingtai County	98				
b. Xinhe County					
35 kV Transmission Lines	7	145	522	47	1.8
10 kV Transmission Lines	16	2375	7124		
Retrofit low-voltage power network	67	-			
Subtotal Xinhe County	90				
c. Guangzong County					
35 kV Transmission Lines	10	120	396	36	1.8
10 kV Transmission Lines	18	642	1990		
Subtotal Guangzhong County	28		-		
d. Lincheng County					
35 kV Transmission Lines	7	62	210	49	2.2
10 kV Transmission Lines	15	1666	5330		
Retrofit low-voltage power network	61	-			
Subtotal Lincheng County	83		-		
e. Shahe County					
110 kV Transmission Lines	8	60	232	52	2.4
35 kV Transmission Lines	7	165	512	40	1.7
10 kV Transmission Lines	43	4583	14210		

Subtotal Shahe County	58				
3. Handan City Area					
a. Guangping County					
110 kV Transmission Lines	8	46	161	45	2.8
35 kV Transmission Lines	16	210	735	35	1.9
10 kV Transmission Lines	13	1452	4511		
Subtotal Guangping County	37				
b. Guantao County					
35 kV Transmission Lines	12	128	460	45	1.6
10 kV Transmission Lines	14	1653	5280		
Retrofit low-voltage power network	61	-			
Subtotal Guantao County	87				
c. Linzhang County					
110 kV Transmission Lines	9	41	138	42	2.3
35 kV Transmission Lines	8	60	196	36	2.0
10 kV Transmission Lines	13	2479	7936		
Retrofit low-voltage power network	67				
Subtotal Linzhang County	97				
d. Shexian County					
35 kV Transmission Lines	6	62	223	51	3.1
10 kV Transmission Lines	13	1728	5531		
Subtotal Shexian County	19				
e. Daming County					
35 kV Transmission Lines	4	36	124	48	1.8
10 kV Transmission Lines	14	2106	6949		
Retrofit low-voltage power network	42	-			
Subtotal Daming County	60				
f. Weixian County					
35 kV Transmission Lines	7	65	245	42	1.9
10 kV Transmission Lines	24	3166	10723		
Subtotal Weixian County	31				
4. Baoding City Area					
a. Laiyuan County					
10 kV Transmission Lines	12	-			
Retrofit low-voltage power network	39	-			
Subtotal Laiyuan County	51				
b. Fuping County					
35 kV Transmission Lines	9	76	281	35	1.4
10 kV Transmission Lines	12	894	3029		
Subtotal Fuping County	21				
c. Tangxian					
10 kV Transmission Lines	16	1166	4082		
Retrofit low-voltage power network	9	-			
Subtotal Tangxian	25				
d. Shunping County					
35 kV Transmission Lines	5	45	171	30	1.6
10 kV Transmission Lines	12	715	2432		
Subtotal Shunping County	17				
e. Dingzhou					
110 kV Transmission Lines	10	91	346	46	1.2
10 kV Transmission Lines	18	1823	6463		
Retrofit low-voltage power network	59				
Subtotal Dingzhou	87				
Total	1387	50270	153690		

According to the table, firstly, the newly built 110kV and 35 kV transmission lines pass through regions, which are mainly consisting of mountainous and hilly areas, so the lines will not occupy much farmland. Secondly, the 10 kV line will only occupy few lands where each pole will occupy 0.12 m² only, Thirdly, The rehabilitation of the 35 kV and 10 kV transmission line will not occupy any additional land. The land occupation percentage of each affected village is lower than 0.05%, per capita farmland area will not change significantly. 58m² is the biggest affected for the family. It is 3.8% of the family's farmland. The internal land adjustment was conducted in the affected villages. The average land area per capita was reduced by 0.0003ha ~0.00159ha after the adjustment. The land occupation percentage of per household statistic is shown in table 2-30. There is no house removal and villager move.

Table 2-30 Land Occupation Percentage Statistics

Land Occupation Area (m ²)	Households	Percentage (%)
Not less than 50	615	1.2
From 40 to 50	1305	2.5
From 30 to 40	954	1.9
From 1 to 30	2216	4.4
0.25	12592	25
0.12	32740	65

According to the table, the percentage of land occupation which is more than 50 m² is about 0.92%, from 40 m² to 50 m² is about 2.59%, from 30 m² to 40 m² is about 1.9%, from 1 to 30 m² is about 4.4%, and the percentage of land occupation which is 0.25 and 0.12 is more than 90%, so the impact of transmission line is slight.

2.2.1.2 Substations

The newly built substation will occupy land permanently, but the rehabilitated substation will not occupy any additional land. The project will affect 79 villages, occupy land 8.56 ha, including 4.31 ha farmland. For the rehabilitated and newly built substation, the total affected households are 131 and the total affected population is 463. Among which, for the 110kv substations, the affected households are 32, which is 24 percent of the total affected households; the affected population is 113, which is 76 percent of the total affected population.

The maximum land to be occupied by 110kv substation is 2.95 ha and the maximum farmland occupied is 1.39 ha. For the 35kv substations, the affected households is 99, which is 24 percent of the total affected households; the affected population is 350, which is 76 percent of the total affected population. The maximum land to be occupied by 35kv substation is 5.6ha and the maximum farmland occupied is 2.91 ha. The maximum percentage of Land requisitioned is 0.38 percent of the total occupied land. Land occupation condition of each substation is shown in Table 2-31 and 2-32. From the table, all the land occupation percentage is lower than 0.38% of the affected villages. There is no house remove and villagers who need to be resettled. The affected villages will be compensated for the permanently occupied land according to the relevant stipulation in the "P.R.C Law of Land Administration". The impact can be eliminated by measures such as land adjustment within the villages.

Table 2-31 Land Occupation by Substation Project

Item	Occupied Area (m ²)	Area of Farmland (m ²)	% of Land Taken
1. Shijiazhuang City Area			
a. Jingxing County			
110 kV Substation	-	-	-
35 kV Substation	1550	926	0.11
Retrofit high-loss transformer	-	-	-
Subtotal Jingxing County	1550	926	
b. Zhanhuang County			
110 kV Substations	-	-	-
35 kV Substation	1334	967	0.18
Retrofit high-loss transformer	-	-	-
Subtotal Zhanhuang County	1334	967	
c. Pingshan County			
35 kV Substations	2435	1200	0.13
Retrofit high-loss transformer	-	-	-
Subtotal Pingshan County	2435	1200	
d. Lingshou County			
110 kV Substation	2105	564	0.12
Retrofit high-loss transformer	-	-	-
Subtotal Lingshou County	2105	564	
e. Yuanshi County			
110 kV Substations	1000	624	0.14
35 kV Substations	1986	846	-
Retrofit high-loss transformer	-	-	-
Subtotal Yuanshi County	2986	1470	
f. Xingtang County			
35 kV Substations	4472	1613	0.27
Subtotal Xingtang County	4472	1613	
g. Wuji County			
35 kV Substations	4334	1816	0.20
Subtotal Wuji County	4334	1816	
2. Xingtai City Area			
a. Xingtai County			
110 kV Substations	1667	595	0.17
35 kV Substations	-	-	-
Retrofit high-loss transformer	-	-	-
Subtotal Xingtai County	1667	595	
b. Xinhe County			
110 kV Substations	860	720	0.09
35 kV Substations	-	-	-
Retrofit high-loss transformer	-	-	-
Subtotal Xinhe County	860	720	
c. Guangzong County			
110 kV Substations	-	-	-
35 kV Substations	4667	2780	0.20
Subtotal Guangzhong County	4667	2780	
d. Lincheng County			
35 kV Substations	1800	1500	0.16
Subtotal Lincheng County	1800	1500	
e. Shahe County			
110 kV Substations	6467	2962	0.38
35 kV Substations	5265	3138	0.26
Retrofit high-loss transformer	-	-	-

Subtotal Shahe County	11732	6100	
3. Handan City Area			
a. Guangping County			
35 kV Substations	8725	4026	0.38
Retrofit high-loss transformer	-	-	-
Subtotal Guangping County	8725	4026	
b. Guantao County			
110 kV Substations	1866	1045	0.32
35 kV Substations	-	-	-
Subtotal Guantao County	1866	1045	
C. Linzhang County			
110 kV Substations	2867	1667	0.36
35 kV Substations	3021	2354	0.31
Subtotal Linzhang County	5888	4021	
d. Shexian County			
110 kV Substations	1860	855	0.28
35 kV Substations	3000	2167	0.38
Retrofit high-loss transformer	-	-	-
Subtotal Shexian County	4867	3022	
e. Daming County			
110 kV Substations	4620	2560	0.32
35 kV Substations	1830	840	0.35
Retrofit high-loss transformer	-	-	-
Subtotal Daming County	6450	3400	
f. Weixian County			
35 kV Substations	2300	1300	0.29
Retrofit high-loss transformer	-	-	-
Subtotal Weixian County	2300	1300	
4. Baoding City Area			
a. Laiyuan County			
110 kV Substations	700	-	-
Retrofit high-loss transformer	-	-	-
Subtotal Laiyuan County	700		
b. Fuping County			
35 kV Substations	1067	600	0.22
Retrofit high-loss transformer	-	-	-
Subtotal Fuping County	1067	600	
c. Tangxian			
110 kV Substations	760	650	0.15
35 kV Substations	-	-	-
Retrofit high-loss transformer	-	-	-
Subtotal Tangxian	760	650	
d. Sunping County			
110 kV Substations	2667	850	0.34
35 kV Substations	3431	1256	0.28
Retrofit high-loss transformer	-	-	-
Subtotal Sunping County	6098	2106	
e. Dingzhou			
110 kV Substations	2150	872	0.38
35 kV Substations	4820	1800	0.30
Retrofit high-loss transformer	-	-	-
Subtotal Dingzhou	6970	2672	

Table 2-32 Land Occupation by Substation Project

Item	Households	Persons	Irrigated Land (m ²)	Dry Land (m ²)
1. Shijiazhuang City Area				
a. Jingxing County				
110 kV Substation				
35 kV Substation	5	19		926
Retrofit high-loss transformer				
Subtotal Jingxing County				
b. Zhanhuang County				
110 kV Substations				
35 kV Substation	4	15		967
Retrofit high-loss transformer				-
Subtotal Zhanhuang County				
c. Pingshan County				
35 kV Substations	4	15		1200
Retrofit high-loss transformer				-
Subtotal Pingshan County				
d. Lingshou County				
110 kV Substation	3	10		564
Retrofit high-loss transformer				
Subtotal Lingshou County				
e. Yuanshi County				
110 kV Substations	4	15	128	496
35 kV Substations	3	11	625	221-
Retrofit high-loss transformer				-
Subtotal Yuanshi County				
f. Xingtang County				
35 kV Substations	7	25	957	656
Subtotal Xingtang County				
g. Wuji County				
35 kV Substations	11	35	1124	692
Subtotal Wuji County				
2. Xingtai City Area				
a. Xingtai County				
110 kV Substations	2	7	328	267
35 kV Substations				-
Retrofit high-loss transformer				-
Subtotal Xingtai County				
b. Xinhe County				
110 kV Substations	2	8	573	147
35 kV Substations				-
Retrofit high-loss transformer				-
Subtotal Xinhe County				
c. Guangzong County				
110 kV Substations				-
35 kV Substations	9	30	1570	1210
Subtotal Guangzong County				
d. Lincheng County				
35 kV Substations	3	11	481	1019
Subtotal Lincheng County				
e. Shahe County				
110 kV Substations	2	7	657	2305
35 kV Substations	8	27	884	2254
Retrofit high-loss transformer				-
Subtotal Shahe County				

Item	Households	Persons	Irrigated Land (m ²)	Dry Land (m ²)
3. Handan City Area				
a. Guangping County				
35 kV Substations	9	35	3150	876
Retrofit high-loss transformer				-
Subtotal Guangping County				
b. Guantao County				
110 kV Substations	4	14	478	567
35 kV Substations				-
Subtotal Guantao County				
C. Linzhang County				
110 kV Substations	2	8	419	1248
35 kV Substations	8	27	965	1389
Subtotal Linzhang County				
d. Shexian County				
110 kV Substations	3	10		855
35 kV Substations	9	31	1250	917
Retrofit high-loss transformer				-
Subtotal Shexian County				
e. Daming County				
110 kV Substations	3	11	896	1664
35 kV Substations	3	10	567	273
Retrofit high-loss transformer				-
Subtotal Daming County				
f. Weixian County				
35 kV Substations	2	7	824	476
Retrofit high-loss transformer				-
Subtotal Weixian County				
4. Baoding City Area				
a. Laiyuan County				
110kV Substations				-
Retrofit high-loss transformer				-
Subtotal Laiyuan County				
b. Fuping County				
35 kV Substations	3	12		600
Retrofit high-loss transformer				-
Subtotal Fuping County				
c. Tangxian				
110 kV Substations	2	7	650	
35 kV Substations				-
Retrofit high-loss transformer				-
Subtotal Tangxian				
d. Sunping County				
110 kV Substations	2	6		850
35 kV Substations	7	25	1020	236
Retrofit high-loss transformer				-
Subtotal Sunping County				
e. Dingzhou				
110 kV Substations	3	10	0	872
35 kV Substations	4	15	667	1133
Retrofit high-loss transformer				
Subtotal Dingzhou				
	131	463	18213	24880

2.2.2 Mitigation Measures

The transmission and substation budget includes compensation for land occupation. Based on the analysis, the land occupation percentage is small. The per-capita farmland holding changes before and after land acquisition is also small. So the impacts on affected villages for transmission line and substation land occupation are few. Adjusting farmland within the villagers in all villages may eliminate the impact. The village committees will develop agricultural production by land compensation cost to further increasing the villagers' income.

2.2.3 Socio-Economic Surveys of Affected Area

The rural electrification project is located in four cities of Shijiazhuang, Handan, Xingtai and Baoding of the Hebei South Power Grid area. People living in the rural areas of the counties will benefit from the reduction of transmission line loss and associated tariff reduction as a result of the Project. The total land area in the beneficiary areas covers 2.74 million square kilometers, including 788,304 ha of farmland. In 2000, the rural population in these counties was 9.55 million, among which, the population below 15 years old was 2.88 million, population between 15 years to 65 years is 5.79 million, and the population above 65 years old is 8.71 million. The age distributions of the related counties are shown in table 2-36. 49.19% or 4.70 million were female and 50.81% or 4.85 million were male. The gender distributions of the related counties are shown in Table 2-37.

The average GDP per capita for the beneficiary counties was RMB 5,200. The average per-capita income for farmers was RMB 2,238, or 9.7% lower than provincial average. There were 742,811 rural people living under the provincial poverty line of RMB 820, which is 7.8% of the total population, 1.36 million rural people per-capita income between RMB 820 to RMB 1000, which is 14.3% of the total population, and 7.44 million people per-capita income was over RMB 1000, which is 77.9% of the total population. The social economy condition of the project area, please are shown in Table 233, resettlement and social condition of the areas affected by the construction and rehabilitation of the transmission line and the cultural and healthy condition of the areas affected by the construction and reform of the substations are shown in Table 2-34. The income distributions of the related counties are shown in Table 2-35.

Table 2-33 Socio-Economic Conditions in the Project Area

	County	Total Area (km ²)	Population (x 10 ⁴)	Agricultural Population (x 10 ⁴)	GNP (x 10 ⁴ yuan)	Per Capita GNP (yuan/person)	National Minorities
A	Shijiazhuang City						
1	Jingxing County	1381	33.09	29.4	274053	8316	The minorities have a sparse population and no centralized housing area.
2	Zanhuang County	1210	22.96	20.98	116080	5100	The minorities have a sparse population and no centralized housing area.
3	Pingshan County	2951	45.67	42.05	304941	6743	The minorities population is over 70, most of which are the Zhuangzu and Huizu people.
4	Lingshou County	1546	31.38	27.4	179829	5700	The minorities have a sparse population and no centralized housing area.
5	Yuanshi County	849	38.73	35.8	314926	8100	The minorities have a sparse population and no centralized housing area.
6	Wuji County	524	48.5	44.8	337381	7000	The minorities have a sparse population and no centralized housing area.
7	Xingtang County	1025	41.05	37.4	228367	5600	The minorities have a sparse population and no centralized housing area.
B	Xingtai City						
1	Lincheng County	797	19.07	17.27	108156	5700	A population of less than 20.
2	Xingtai County	1983	45.35	43.3	260418	5700	The minorities have a sparse population and no centralized housing area.
3	Xinhe County	366	16.55	15.2	78822	4800	The minorities have a sparse population and no centralized housing area.
4	Guangzong County	493	26.76	25.4	95507	3600	The minorities have a sparse population and no centralized housing area.
5	Shahe City	999	47.09	39.8	371726	7900	The minorities have a sparse population and no centralized housing area.

C		Handan City					
1	Guangping County	320	24.74	23.2	129166	5200	The minorities have a sparse population and no centralized housing area.
2	Guantao County	456	27.83	25.7	143696	5200	The minorities have a sparse population and no centralized housing area.
3	Lincheng County	744	57.16	54.1	211170	3700	The minorities have a sparse population and no centralized housing area.
4	Shexian County	1489	37.89	34.4	201239	5300	The minorities have a sparse population and no centralized housing area.
5	Daming County	1056	73.18	69.1	262494	3600	The minorities have a sparse population and no centralized housing area.
6	Weixian County	851	79.03	74.9	270101	3400	The minorities have a sparse population and no centralized housing area.
D		Baoding City					
1	Laiyuan County	2448	26.25	22.1	99890	3800	The minorities population is about 200, most of which are the Manzu and Huizu people. The minorities have no centralized housing area.
2	Fuping County	2476	20.5	18.1	73348	3600	The minorities population is about 280, most of which are the Manzu and Huizu people. The minorities have no centralized housing area.
3	Tangxian County	1402	52.1	48.3	147764	2800	The minorities population is about 200, most of which are the Manzu and Huizu people. The minorities have no centralized housing area.
4	Shunping County	708	29.3	27.1	141386	4800	The minorities population is about 480, most of which are the Manzu and Huizu people. The minorities have no centralized housing area.
5	Dingzhou City	1284	111.62	100.4	615311	5500	The minorities have a sparse population and no centralized housing area.

Table 2-34 Cultural and Health Conditions in the Project Area

County		Encroachment on Historical and Cultural Sites	Nature Reserve	Scenic Spot	Resettlement	Occupied farm land (hm ²)
A	Shijiazhuang City					
1	Jingxing County	None	None	None	None	0.189
2	Zanhuang County	None	None	None	None	0.222
3	Pingshan County	None	None	None	None	0.183
4	Lingshou County	None	None	None	None	0.147
5	Yuanshi County	None	None	None	None	0.188
6	Wuji County	None	None	None	None	0.256
7	Xingtang County	None	None	None	None	0.288
B	Xingtai City					
1	Lincheng County	None	None	None	None	0.153
2	Xingtai County	None	None	None	None	0.123
3	Xinhe County	None	None	None	None	0.157
4	Guangzong County	None	None	None	None	0.316
5	Shahe City	None	None	None	None	0.691
C	Handan City					
1	Guangping County	None	None	None	None	0.525
2	Guantao County	None	None	None	None	0.166
3	Linzhang County	None	None	None	None	0.516
4	Shexian County	None	None	None	None	0.337
5	Daming County	None	None	None	None	0.357
6	Weixian County	None	None	None	None	0.17
D	Baoding City					
1	Laiyuan County	None	None	None	None	0
2	Fuping County	None	None	None	None	0.145
3	Tangxian County	None	None	None	None	0.069
4	Shunping County	None	None	None	None	0.254
5	Dingzhou City	None	None	None	None	0.405

Table 2-35 Income Distribution of Related Counties

County	Income Level (RMB)						Total Population
	<820		820-1000		>1000		
	Population	%	Population	%	Population	%	
1. Shijiazhuang city							
Jingxing county	22970	6.94	47527	14.36	260467	78.7	330964
Xingtang county	26274	6.4	64782	15.78	319469	77.82	410525
Lingshou county	21026	6.7	50589	16.12	242207	77.18	313822
Zanhuang county	24794	10.8	30305	13.2	174479	76	229578
Wuji county	29589	6.1	76593	15.79	378887	78.11	485069
Pingshan county	50688	11.1	51694	11.32	354267	77.58	456649
Yuanshi county	24016	6.2	58026	14.98	305309	78.82	387351
2. Handian city							
Linzhang county	41155	7.2	78310	13.7	452130	79.1	571595
Diaming county	102454	14	99528	13.6	529835	72.4	731817
She county	29559	7.8	50252	13.26	299154	78.94	378965
Guangping county	18805	7.6	36794	14.87	191831	77.53	247430
Guantao county	21982	7.9	38345	13.78	217932	78.32	278259
Wei county	52951	6.7	119338	15.1	618021	78.2	790310
3. Xingtai city							
Xingtai county	28572	6.3	67122	14.8	357829	78.9	453523
Lincheng county	15642	8.2	26516	13.9	148595	77.9	190753
Xinhe county	10760	6.5	23142	13.98	131629	79.52	165531
Guangzong county	20877	7.8	37741	14.1	209040	78.1	267658
Xiahe county	28727	6.1	69698	14.8	372503	79.1	470928
4. Baoding city							
Dingzhou county	64737	5.8	170997	15.32	880428	78.88	1116162
Laiyuan county	24155	9.2	35236	13.42	203164	77.38	262555
Shunping county	27543	9.4	34518	11.78	230954	78.82	293015
Tang county	37479	7.2	78135	15.01	404929	77.79	520543
Fuping county	18056	8.8	24582	11.98	162544	79.22	205182
Total	742811		1369770		7445603		9558184

Table 2-36 Age Distribution of Related Counties

County	Total Population	<15	15~65	>65
		Population	Population	Population
1. Shijiazhuang city	2613958	787643	1549665	276650
Jingxing county	330964	99621	197289	34054
Xingtang county	410525	122748	242170	45607
Lingshou county	313822	84733	187102	41987
Zanhuang county	229578	71170	138230	20178
Wuji county	485069	150857	289151	45061
Pingshan county	456649	138822	269470	48357
Yuanshi county	387351	119692	226253	41406
2. Handian city	2998376	913508	1858288	226580
Linzhang county	571595	170336	342215	59044
Diaming county	731817	217351	446409	68057
She county	378965	112175	233064	33726
Guangping county	247430	72993	154447	19990
Guantao county	278259	84592	175958	17709
Wei county	790310	256061	506195	28054
3. Xingtai city	1548393	469721	951156	127516
Xingtai county	453523	135151	284813	33559
Lincheng county	190753	57227	118395	15131
Xinhe county	165531	49826	101706	13999
Guangzong county	267658	76819	162782	28057
Xiahe county	470928	150698	283460	36770
4. Baoding city	2397457	718580	1438041	240836
Dingzhou county	1116162	346011	662846	107305
Laiyuan county	262555	75354	163048	24153
Shunping county	293015	81752	178740	32523
Tang county	520543	156164	310297	54082
Fuping county	205182	59299	123110	22773
Total	9558184	2889452	5797150	871582

Table 2-37 Gender Distribution of Related Counties

County	Male	Female	Total Population
1. Shijiazhuang city			
Jingxing county	170585	160379	330964
Xingtang county	223923	186602	410525
Lingshou county	167858	145964	313822
Zanhuang county	122798	106780	229578
Wuji county	259456	225613	485069
Pingshan county	233893	222756	456649
Yuanshi county	208848	178503	387351
2. Handian city			
Linzhang county	310593	261002	571595
Diaming county	394574	337243	731817
She county	206708	172257	378965
Guangping county	134962	112468	247430
Guantao county	151778	126481	278259
Wei county		790310	790310