Appendix to Chapter 5

- 1. Zonal Population Estimate
- 2. Zonal Employment Estimate
- 3. Zonal Per Capita Imcome

nered i serudistichi.

constraint of party.

ZONAL POPULATION ESTIMATES

New Delhi Railway St. 272,046 275,328 259,328 255,436 2		POPULATION ESTIMATES		POPULATION	POPULATION	POPULATION
2 Jama Masjid 278.022 275.421 233.100 229.601 3 Kamla Nagar 299.914 306.438 332.520 357.803 35						2021
3 Kamia Nagar 290,914 306,438 352,520 357,804 4 Timappur 216,668 238,203 338,577 386,307 3	1	New Delhi Railway St.	272,046	275,328	259,328	255,436
4 Timarpur	2	Jama Masjid	278,022	275,421	233,100	229,601
S. Vijay Nagar	3	Kamla Nagar	290,914	306,438	352,520	
6 Wazirpur 450,241 476,406 560,521 568,922 7 K Arol Bagh 280,259 291,550 315,091 315,0	4	Timarpur	216,768	238,203	338,577	386,303
6 Wazirpur 450,241 476,406 560,521 568,922 7 K Arol Bagh 280,259 291,550 315,091 315,0	5	Vijay Nagar	131,263	137,711	155,257	157,764
Section	6	Wazirpur	450,241	476,406	560,521	
Pusa Institute	7	Karol Bagh	280,259	291,550	315,091	315,091
10 New Rajinder Nagar	8	Anand Parbat	296,764	310,159	343,090	348,233
11 Central Sectt	9	Pusa Institute	245,094	259,293	304,815	316,281
12 Purana Qila	10	New Rajinder Nagar	118,784	124,064	136,790	137,459
13 Lodhi Colony	11	Central Sectt.	110,911	115,379	124,695	124,695
14 Nizamunudin 197,062 222,075 358,046 435,084 15 Panchsheel Park 353,513 385,838 530,100 538,046 16 ChanakyaPuri 176,987 134,855 203,816 204,813 17 Delhi Cantt. 115,043 124,064 160,525 174,745 18 Janak Puri 447,812 467,720 515,696 523,426 19 Paschim Vihar 773,278 807,656 890,501 890,501 20 Pitampura 447,372 486,330 654,935 654,935 21 Salempur 185,293 202,236 277,850 311,675 22 Madanpur Khadar 75,962 85,604 138,017 167,713 23 Govindpuri 494,632 528,512 552,939 662,727 24 R.K. Puram 301,742 323,807 408,782 414,910 25 Jawahar Lal University 69,402 73,656 87,975 96,731 26 Kailashpuri 749,888 811,935 1,071,771 1,087,837 27 Najafgarh 553,670 649,412 1,278,847 1,717,444 28 Sultanpuri 748,743 310,696 1,070,135 1,070,135 29 Daulalptur 600,606 91,036 1,231,317 1,231,317 30 Bakauli 308,864 341,175 497,723 575,318 31 Tikri Khurd 400,924 450,910 719,758 870,026 32 Bawana 207,258 238,760 429,709 711,935 33 Nizampur 40,385 46,523 83,730 138,723 34 Gangatoli 202,545 233,798 425,007 548,388 35 Rasulpur 150,135 176,096 346,775 628,638 37 Mehrauli 125,097 130,659 144,061 146,220 38 Chhatarpur 342,377 372,192 501,226 621,375 34 34 34 34 34 34 34 3	h		60,463	65,754	88,725	98,632
15 Panchsheel Park 353,513 385,838 530,100 538,046 16 ChanakyaPuri 176,987 134,855 203,816 204,813 17 Delhi Cantt 115,043 124,064 160,525 174,745 18 Janak Puri 447,812 467,720 515,696 523,476 19 Paschim Vihar 773,278 807,656 890,501 890,501 20 Pitampura 447,372 486,330 654,935 654,935 654,935 21 Salempur 188,293 202,236 277,850 311,675 22 Madanpur Khadar 75,962 85,604 138,017 167,713 23 Govindpuri 494,632 528,512 655,939 662,727 24 R.K. Puram 301,742 323,807 408,822 414,910 25 Jawahar Lal University 66,402 73,656 87,975 96,731 26 Kailashpuri 749,888 811,935 1,071,771 1,087,837 27 Najafgarh 553,670 649,412 1,278,847 1,717,444 28 Sultampuri 748,743 810,696 1,070,135 29 Daulatpur 601,060 691,036 1,231,317 1,231,317 30 Bakauli 308,864 341,175 497,723 575,318 31 Tikri Khurd 400,924 450,910 719,758 870,262 32 Bawana 207,258 238,760 429,709 711,935 33 Nizampur 40,385 46,523 83,730 138,723 34 Gangatoli 202,545 233,798 425,007 548,388 35 Rasulpur 238,841 273,498 477,681 604,149 36 Qutabpur 150,135 176,096 346,775 628,638 37 Mehrauli 125,097 30,659 144,061 146,220 39 Mayur Vihar 248,214 274,182 399,989 462,347 40 Shakar Pur 339,313 365,922 473,461 480,558 40 40 40 40 40 40 40 4	13	Lodhi Colony	102,346	110,815	146,278	160,836
16 ChanakyaPuri 176,987 184,855 203,816 204,813 17 Delhi Cantt. 115,043 124,064 160,525 174,745 181 Janak Puri 447,812 467,720 515,696 523,426 19 Paschim Vihar 773,278 807,656 890,501 890,501 20 Pitampura 447,372 486,330 654,935 654,935 654,935 21 Salempur 183,293 202,236 277,850 311,675 22 Madanpur Khadar 75,962 85,604 138,017 167,713 23 Govindpuri 494,632 528,512 655,939 662,727 24 R.K. Puram 301,742 323,807 408,782 414,910 25 Jawahar Lal University 69,402 73,656 87,975 96,731 26 Kailashpuri 749,888 811,935 1,071,771 1,087,837 27 Najafgarh 553,670 649,412 1,278,847 1,717,444 28 Sultanpuri 748,743 810,696 1,070,135 1,070,135 29 Daulatpur 601,060 691,036 1,273,131 7,231,317 30 Bakauli 308,864 341,175 497,723 575,318 31 Tikri Khurd 400,924 450,910 719,758 870,262 32 Bawana 207,258 238,760 429,709 711,935 33 Nizampur 40,385 46,523 83,730 138,723 34 Gangatoli 202,545 233,798 425,007 548,388 35 Rasulpur 238,841 273,498 477,681 604,149 36 Qutabpur 150,135 176,096 346,775 628,638 37 Mehrauli 125,097 130,659 144,061 46,220 38 Chhatarpur 342,377 372,192 501,226 621,375 39 Mayur Vihar 248,214 274,182 399,939 462,347 40 Shakar Pur 339,313 365,922 473,461 460,528 47 48 48 48 48 48 48 4	L		197,062	222,075	358,046	435,084
17 Delhi Cantt.	15	Panchsheel Park	353,513	385,838	530,100	538,046
18 Janak Puri			176,987	184,855	203,816	204,813
19 Paschim Vihar 773,278 807,656 890,501 890,501 20 Pitampura 447,372 486,330 654,935 654,935 654,935 21 Salempur 185,293 202,236 277,850 311,675 22 Madanpur Khadar 75,962 85,604 138,017 167,713 23 Govindpuri 494,632 528,512 652,939 662,727 24 R.K. Puram 301,742 323,807 408,782 414,910 25 Jawahar Lal University 69,402 73,656 87,975 96,731 26 Kailashpuri 749,888 811,935 1,071,771 1,087,837 27 Najafgarh 553,670 649,412 1,278,847 1,717,444 28 Sultanpuri 748,743 810,696 1,070,135 1,070,135 29 Daulatpur 601,060 691,063 1,231,317 1,231,317 30 Bakauli 308,864 341,175 497,723 575,318 31 Tikri Khurd 400,924 450,910 719,758 870,262 32 Bawana 207,258 238,760 429,709 711,935 33 Nizampur 40,385 46,523 33,730 138,723 34 Gangatoli 202,545 233,798 425,007 548,388 35 Rasulpur 238,841 273,498 477,681 604,149 36 Qutabpur 150,135 176,096 346,775 628,638 37 Mehrauli 125,097 130,659 144,061 146,220 38 Chhalarpur 342,377 372,192 501,226 621,375 39 Mayur Vihar 248,214 274,182 399,989 462,347 49 Nakar Pur 339,313 365,922 473,461 486,234 480,545	17	Delhi Cantt.	115,043	124,064	160,525	174,745
20 Pitampura 447,372 486,330 654,935 654,935 21 Salempur 185,293 202,236 277,830 311,675 22 Madanpur Khadar 75,962 85,604 138,017 167,713 23 Govindpuri 494,652 528,512 652,939 666,727 24 R.K. Puram 301,742 323,807 408,782 414,910 25 Jawahar Lal University 69,402 73,656 87,975 96,731 26 Kailashpuri 749,888 811,935 1,071,771 1,087,837 27 Najafgarh 553,670 649,412 1,278,847 1,717,444 28 Sultanpuri 748,743 810,696 1,070,135 1,070,135 29 Daulatpur 601,060 691,036 1,231,317 1,231,317 30 Bakauli 308,864 341,175 497,723 575,318 31 Tkir Khurd 440,924 450,910 719,758 870,262 32 Bawana 207,258 238,760 429,709 7711,935 33 Nizampur 40,385 46,523 83,730 138,723 34 Gangatoli 202,545 233,798 425,007 548,388 37 Rasulpur 150,135 176,096 346,775 628,638 37 Mehrauli 125,097 130,659 144,061 146,220 38 Chhatarpur 342,377 372,192 501,226 621,375 43 Mayur Vihar 248,214 274,182 399,989 462,347 40 Shakar Pur 339,313 365,922 473,461 480,558 41 Jagat Puri 168,886 182,130 235,655 239,187 42 Anand Vihar 120,784 130,256 168,536 183,465 LONI (WEST OF RAILWAY TO BARAUT,INCLUDES 47 TARONICA TOWN) 84,871 91,145 179,798 292,389 SHAKARPURA NORTH OF GHAZIABAD 48 RAILWAY LINE 123,449 132,574 261,524 425,294 425,294 425,294 425,294 425,294 425,294 425,294 425,294 425,294	18	Janak Puri	447,812	467,720	515,696	523,426
21 Salempur 185,93 202,236 277,850 311,675	19	Paschim Vihar	773,278		890,501	890,501
22 Madanpur Khadar 75,962 85,604 138,017 167,713 23 Govindpuri 494,632 528,512 652,939 662,727 24 R.K. Puram 301,742 323,807 408,782 414,910 25 Jawahar Lal University 69,402 73,656 87,975 96,731 26 Kailashpuri 749,888 811,935 1,071,771 1,087,837 27 Najafgarh 553,670 649,412 1,278,847 1,717,444 28 Sultanpuri 748,743 810,696 1,070,135 1,070,135 29 Daulatpur 601,060 691,036 1,231,317 1,231,317 30 Bakauli 308,864 341,175 497,723 575,318 31 Tikri Khurd 400,924 450,910 719,758 870,262 32 Bawana 207,258 238,760 429,709 711,935 33 Nizampur 40,385 46,523 83,730 138,723 34 Gangatoli 202,545 233,798 425,007 548,388 35 Rasulpur 238,841 273,498 477,681 604,149 36 Qutabpur 150,135 176,096 346,775 628,638 37 Mehrauli 125,097 130,659 144,061 146,220 38 Chatarpur 342,377 372,192 501,226 621,375 39 Mayur Vihar 248,214 274,182 399,989 462,347 40 Shakar Pur 339,313 365,922 473,461 480,558 41 Jagat Puri 168,886 182,130 235,655 239,187 42 Anand Vihar 120,784 130,256 168,536 183,465 43 Seemapuri 321,209 341,583 412,088 433,164 45 Gokulpuri 414,070 457,388 667,260 771,285 CNI	20	Pitampura	447,372	486,330	654,935	654,935
23 Govindpuri 494,632 528,512 652,939 662,727	21	Salempur	185,293	202,236	277,850	311,675
24 R.K.Puram 301,742 323,807 408,782 414,910	22	Madanpur Khadar	75,962	85,604	138,017	167,713
25 Jawahar Lal University 69,402 73,656 87,975 96,731 26 Kailashpuri 749,888 811,935 1,071,771 1,087,837 27 Najafgarh 553,670 649,412 1,278,847 1,717,444 28 Sultanpuri 748,743 810,696 1,070,135 1,070,135 1,070,135 29 Daulatpur 601,060 691,036 1,231,317 1,231,317 30 Bakauli 308,864 341,175 497,723 575,318 31 Tikri Khurd 400,924 450,910 719,758 870,262 32 Bawana 207,258 238,760 429,709 711,935 33 Nizampur 40,385 46,523 83,730 138,723 34 Gangatoli 202,545 233,798 425,007 548,388 35 Rasulpur 238,841 273,498 477,681 604,149 36 Qutabpur 150,135 176,096 346,775 628,638 37 Mehrauli 125,097 130,659 144,061 146,220 38 Chhatarpur 342,377 372,192 501,226 621,375 39 Mayur Vihar 248,214 274,182 399,989 462,347 40 Shakar Pur 339,313 365,922 473,461 480,558 41 Jagat Puri 168,886 182,130 235,655 239,187 42 Anand Vihar 120,784 130,256 168,536 183,465 43 Jheel 197,010 212,459 274,897 279,018 44 Seelampur 278,564 296,513 359,408 364,795 LONI (WEST OF RAILWAY TO BARAUT,INCLUDES 47 TARONICA TOWN) 84,871 91,145 179,798 292,389 48 RAILWAY LINE 123,449 132,574 261,524 425,29	23	Govindpuri	494,632	528,512	652,939	662,727
26 Kailashpuri 749,888 811,935 1,071,771 1,087,837 27 Najafgarh 553,670 649,412 1,278,847 1,717,444 28 Sultanpuri 748,743 810,696 1,070,135 1,070,135 29 Daulatpur 601,060 691,036 1,231,317 1,231,317 30 Bakauli 308,864 341,175 497,723 575,318 31 Tikri Khurd 400,924 450,910 719,758 870,262 32 Bawana 207,258 238,760 429,709 711,935 33 Nizampur 40,385 46,523 83,730 138,723 34 Gangatoli 202,545 233,798 425,007 548,388 35 Rasulpur 238,841 273,498 477,681 604,149 36 Qutabpur 150,135 176,096 346,775 628,638 37 Mehrauli 125,097 130,659 144,061 146,220 38 Chhatarpur 342,377 372,192 501,226 621,375 39 Mayur Vihar 248,214 274,182 399,989 462,347 40 Shakar Pur 339,313 365,922 473,461 480,558 41 Jagat Puri 168,886 182,130 235,655 239,187 42 Anand Vihar 120,784 130,256 168,356 183,465 43 Jheel 197,010 212,459 274,897 279,018 44 Seelampur 278,564 296,513 359,408 364,795 44 Seelampur 278,564 296,513 359,408 364,795 47 TARONICA TOWN) 84,871 91,145 179,798 292,389 SHAKARPURA NORTH OF GHAZIABAD 48 RAILWAY LINE 123,449 132,574 261,524 425,294	24	R.K.Puram	301,742	323,807	408,782	414,910
27 Najafgarh 553,670 649,412 1,278,847 1,717,444 28 Sultanpuri 748,743 810,696 1,070,135 1,070,135 29 Daulatpur 601,060 691,036 1,231,317 1,231,317 30 Bakauli 308,864 341,175 497,723 575,318 31 Tikri Khurd 400,924 450,910 719,758 870,262 32 Bawana 207,258 238,760 429,709 711,935 33 Nizampur 40,385 46,523 83,730 138,723 34 Gangatoli 202,545 233,798 425,007 548,388 35 Rasulpur 238,841 273,498 477,681 604,149 36 Qutabpur 150,135 176,096 346,775 628,638 37 Mehrauli 125,097 130,659 144,061 146,220 38 Chhatarpur 342,377 372,192 501,226 621,375 39 Mayur Vihar 248,214 274,182 399,939 462,347 40 Shakar Pur 339,313 365,922 473,461 480,558 41 Jagat Puri 168,886 182,130 235,655 239,187 42 Anand Vihar 120,784 130,256 168,536 183,465 43 Jheel 197,010 212,459 274,897 279,018 44 Seelampur 278,564 296,513 359,408 364,795 45 Seemapuri 321,209 341,583 412,088 433,164 46 Gokulpuri 414,070 457,388 667,260 771,285 LONI (WEST OF RAILWAY TO BARAUT,INCLUDES 471,407 457,388 667,260 771,285 LONI (WEST OF RAILWAY TO BARAUT,INCLUDES 471,407 457,388 667,260 771,285 47 TARONICA TOWN) 84,871 91,145 179,798 292,389 38 SHAKARPURA NORTH OF GHAZIABAD 48 RAILWAY LINE 123,449 132,574 261,524 425,294	25	Jawahar Lal University	69,402	73,656	87,975	96,731
28 Sultanpuri 748,743 810,696 1,070,135 1,070,135 29 Daulatpur 601,060 691,036 1,231,317 1,231,317 30 Bakauli 308,864 341,175 497,723 575,318 31 Tikri Khurd 400,924 450,910 719,758 870,262 32 Bawana 207,258 238,760 429,709 711,935 34 Gangatoli 202,545 233,798 425,007 548,388 35 Rasulpur 238,841 273,498 477,681 604,149 36 Qutabpur 150,135 176,096 346,775 628,638 37 Mehrauli 125,097 130,659 144,061 146,220 38 Chhatarpur 342,377 372,192 501,226 621,375 39 Mayur Vihar 248,214 274,182 399,989 463,347 40 Shakar Pur 339,313 365,922 473,461 480,558 41 Jagat Puri 168,886 182,130 235,665 239,187 42 Anand Vihar 120,784 130,256	26	Kailashpuri	749,888	811,935	1,071,771	1,087,837
29 Daulatpur 601,060 691,036 1,231,317 1,231,317 30 Bakauli 308,864 341,175 497,723 575,318 31 Tikri Khurd 400,924 450,910 719,758 870,262 32 Bawana 207,258 238,760 429,709 711,935 33 Nizampur 40,385 46,523 83,730 138,723 34 Gangatoli 202,545 233,798 425,007 548,388 35 Rasulpur 238,841 273,498 447,681 604,149 36 Qutabpur 150,135 176,096 346,775 628,638 37 Mehrauli 125,097 130,659 144,061 146,220 38 Chhatarpur 342,377 372,192 501,226 621,375 39 Mayur Vihar 248,214 274,182 399,989 462,347 40 Shakar Pur 339,313 365,922 473,461 480,558 41 Jagat Puri 168,886 182,130 235,655 239,187 42 Anand Vihar 120,784 130,256 168,536 183,465 43 Jheel 197,010 212,459 274,897 279,018 44 Seelampur 278,564 296,513 359,408 364,795 45 Seemapuri 321,20	27	Najafgarh	553,670	649,412	1,278,847	1,717,444
30 Bakauli 308,864 341,175 497,723 575,318	28	Sultanpuri	748,743	810,696	1,070,135	1,070,135
31 Tikri Khurd	29	Daulatpur	601,060	691,036	1,231,317	1,231,317
32 Bawana 207,258 238,760 429,709 711,935 33 Nizampur 40,385 46,523 83,730 138,723 34 Gangatoli 202,545 233,798 425,007 548,388 35 Rasulpur 238,841 273,498 477,681 604,149 36 Qutabpur 150,135 176,096 346,775 628,638 37 Mehrauli 125,097 130,659 144,061 146,220 38 Chhatarpur 342,377 372,192 501,226 621,375 39 Mayur Vihar 248,214 274,182 399,989 462,347 40 Shakar Pur 339,313 365,922 473,461 480,558 41 Jagat Puri 168,886 182,130 235,655 239,187 42 Anand Vihar 120,784 130,256 168,536 183,465 43 Jheel 197,010 212,459 274,897 279,018 44 Seelampur 278,564 296,513 359,408 364,795 45 Seemapuri 321,209 341,583 412,088 433,164 46 Gokulpuri 414,070 457,388 667,260 771,285 LONI (WEST OF RAILWAY TO BARAUT,INCLUDES 47 TARONICA TOWN) 84,871 91,145 179,798 292,389 SHAKARPURA NORTH OF GHAZIABAD 48 RAILWAY LINE 123,449 132,574 261,524 425,294 48 RAILWAY LINE 123,449 132,574 261,524 425,294 42	30	Bakauli	308,864	341,175	497,723	575,318
33 Nizampur 40,385 46,523 83,730 138,723 34 Gangatoli 202,545 233,798 425,007 548,388 35 Rasulpur 238,841 273,498 477,681 604,149 36 Qutabpur 150,135 176,096 346,775 628,638 37 Mehrauli 125,097 130,659 144,061 146,220 38 Chhatarpur 342,377 372,192 501,226 621,375 39 Mayur Vihar 248,214 274,182 399,989 462,347 40 Shakar Pur 339,313 365,922 473,461 480,558 41 Jagat Puri 168,886 182,130 235,655 239,187 42 Anand Vihar 120,784 130,256 168,536 183,465 43 Jheel 197,010 212,459 274,897 279,018 44 Seelampur 278,564 296,513 359,408 364,795 45 Seemapuri 321,209 341,583 412,088 433,164 46 Gokulpuri 414,070 457,388 667,260 771,285 LONI (WEST OF RAILWAY TO BARAUT,INCLUDES 47 TARONICA TOWN) 84,871 91,145 179,798 292,389 SHAKARPURA NORTH OF GHAZIABAD 48 RAILWAY LINE 123,449 132,574 261,524 425,294	31	Tikri Khurd	400,924	450,910	719,758	
34 Gangatoli 202,545 233,798 425,007 548,388 35 Rasulpur 238,841 273,498 477,681 604,149 36 Qutabpur 150,135 176,096 346,775 628,638 37 Mehrauli 125,097 130,659 144,061 146,220 38 Chhatarpur 342,377 372,192 501,226 621,375 39 Mayur Vihar 248,214 274,182 399,989 462,347 40 Shakar Pur 339,313 365,922 473,461 480,558 41 Jagat Puri 168,886 182,130 235,655 239,187 42 Anand Vihar 120,784 130,256 168,536 183,465 43 Jheel 197,010 212,459 274,897 279,018 44 Seelampur 278,564 296,513 359,408 364,795 45 Seemapuri 321,209 341,583 412,088 433,164 46 Gokulpuri 414,070 457,388 667,260 771,285 LONI (WEST OF RAILWAY TO 84,871 91,145 179,798 292,389 SHAKARPURA NORTH OF GHAZIABAD			207,258	238,760	429,709	711,935
35 Rasulpur 238,841 273,498 477,681 604,149 36 Qutabpur 150,135 176,096 346,775 628,638 37 Mehrauli 125,097 130,659 144,061 146,220 38 Chhatarpur 342,377 372,192 501,226 621,375 39 Mayur Vihar 248,214 274,182 399,989 462,347 40 Shakar Pur 339,313 365,922 473,461 480,558 41 Jagat Puri 168,886 182,130 235,655 239,187 42 Anand Vihar 120,784 130,256 168,536 183,465 43 Jheel 197,010 212,459 274,897 279,018 44 Seelampur 278,564 296,513 359,408 364,795 45 Seemapuri 321,209 341,583 412,088 433,164 46 Gokulpuri 414,070 457,388 667,260 771,285 LONI (WEST OF RAILWAY TO BARAUT,INCLUDES 47 TARONICA TOWN) 84,871 91,145 179,798 292,389 SHAKARPURA NORTH OF GHAZIABAD 48 RAILWAY LINE 123,449 132,574 261,524 425,294	33	Nizampur	40,385	46,523	83,730	138,723
36 Qutabpur 150,135 176,096 346,775 628,638 37 Mehrauli 125,097 130,659 144,061 146,220 38 Chhatarpur 342,377 372,192 501,226 621,375 39 Mayur Vihar 248,214 274,182 399,989 462,347 40 Shakar Pur 339,313 365,922 473,461 480,558 41 Jagat Puri 168,886 182,130 235,655 239,187 42 Anand Vihar 120,784 130,256 168,536 183,465 43 Jheel 197,010 212,459 274,897 279,018 44 Seelampur 278,564 296,513 359,408 364,795 45 Seemapuri 321,209 341,583 412,088 433,164 46 Gokulpuri 414,070 457,388 667,260 771,285 LONI (WEST OF RAILWAY TO BARAUT,INCLUDES 34,871 91,145 179,798 292,389 SHAKARPURA NORTH OF GHAZIABAD 48 RAILWAY LINE 123,449 132,574 261,524 425,294	34	Gangatoli	202,545	233,798	425,007	548,388
37 Mehrauli	35	Rasulpur	238,841	273,498	477,681	604,149
38 Chhatarpur 342,377 372,192 501,226 621,375 39 Mayur Vihar 248,214 274,182 399,989 462,347 40 Shakar Pur 339,313 365,922 473,461 480,558 41 Jagat Puri 168,886 182,130 235,655 239,187 42 Anand Vihar 120,784 130,256 168,536 183,465 43 Jheel 197,010 212,459 274,897 279,018 44 Seelampur 278,564 296,513 359,408 364,795 45 Seemapuri 321,209 341,583 412,088 433,164 46 Gokulpuri 414,070 457,388 667,260 771,285 LONI (WEST OF RAILWAY TO BARAUT,INCLUDES 771,285 47 TARONICA TOWN) 84,871 91,145 179,798 292,389 SHAKARPURA NORTH OF GHAZIABAD 123,449 132,574 261,524 425,294 48 RAILWAY LINE 123,449 132,574 261,524 425,294	36	Qutabpur	150,135	176,096	346,775	628,638
39 Mayur Vihar 248,214 274,182 399,989 462,347 40 Shakar Pur 339,313 365,922 473,461 480,558 41 Jagat Puri 168,886 182,130 235,655 239,187 42 Anand Vihar 120,784 130,256 168,536 183,465 43 Jheel 197,010 212,459 274,897 279,018 44 Seelampur 278,564 296,513 359,408 364,795 45 Seemapuri 321,209 341,583 412,088 433,164 46 Gokulpuri 414,070 457,388 667,260 771,285 LONI (WEST OF RAILWAY TO BARAUT,INCLUDES 47 TARONICA TOWN) 84,871 91,145 179,798 292,389 SHAKARPURA NORTH OF GHAZIABAD 48 RAILWAY LINE 123,449 132,574 261,524 425,294	37	Mehrauli	125,097	130,659	144,061	146,220
40 Shakar Pur 339,313 365,922 473,461 480,558 41 Jagat Puri 168,886 182,130 235,655 239,187 42 Anand Vihar 120,784 130,256 168,536 183,465 43 Jheel 197,010 212,459 274,897 279,018 44 Seelampur 278,564 296,513 359,408 364,795 45 Seemapuri 321,209 341,583 412,088 433,164 46 Gokulpuri 414,070 457,388 667,260 771,285 LONI (WEST OF RAILWAY TO BARAUT,INCLUDES 77 TARONICA TOWN) 84,871 91,145 179,798 292,389 SHAKARPURA NORTH OF GHAZIABAD 123,449 132,574 261,524 425,294	38	Chhatarpur	342,377	372,192	501,226	621,375
41 Jagat Puri 168,886 182,130 235,655 239,187 42 Anand Vihar 120,784 130,256 168,536 183,465 43 Jheel 197,010 212,459 274,897 279,018 44 Seelampur 278,564 296,513 359,408 364,795 45 Seemapuri 321,209 341,583 412,088 433,164 46 Gokulpuri 414,070 457,388 667,260 771,285 LONI (WEST OF RAILWAY TO BARAUT,INCLUDES 34,871 91,145 179,798 292,389 SHAKARPURA NORTH OF GHAZIABAD 48 RAILWAY LINE 123,449 132,574 261,524 425,294	39	Mayur Vihar	248,214	274,182	399,989	462,347
42 Anand Vihar 120,784 130,256 168,536 183,465 43 Jheel 197,010 212,459 274,897 279,018 44 Seelampur 278,564 296,513 359,408 364,795 45 Seemapuri 321,209 341,583 412,088 433,164 46 Gokulpuri 414,070 457,388 667,260 771,285 LONI (WEST OF RAILWAY TO BARAUT,INCLUDES 71,798 292,389 47 TARONICA TOWN) 84,871 91,145 179,798 292,389 SHAKARPURA NORTH OF GHAZIABAD 123,449 132,574 261,524 425,294	40	Shakar Pur	339,313	365,922	473,461	480,558
42 Anand Vihar 120,784 130,256 168,536 183,465 43 Jheel 197,010 212,459 274,897 279,018 44 Seelampur 278,564 296,513 359,408 364,795 45 Seemapuri 321,209 341,583 412,088 433,164 46 Gokulpuri 414,070 457,388 667,260 771,285 LONI (WEST OF RAILWAY TO BARAUT,INCLUDES 47 TARONICA TOWN) 84,871 91,145 179,798 292,389 SHAKARPURA NORTH OF GHAZIABAD 48 RAILWAY LINE 123,449 132,574 261,524 425,294	41	Jagat Puri	168,886			
43 Jheel 197,010 212,459 274,897 279,018 44 Seelampur 278,564 296,513 359,408 364,795 45 Seemapuri 321,209 341,583 412,088 433,164 46 Gokulpuri 414,070 457,388 667,260 771,285 LONI	42	Anand Vihar	120,784	130,256	168,536	
44 Seelampur 278,564 296,513 359,408 364,795 45 Seemapuri 321,209 341,583 412,088 433,164 46 Gokulpuri 414,070 457,388 667,260 771,285 LONI (WEST OF RAILWAY TO BARAUT,INCLUDES 91,145 179,798 292,389 47 TARONICA TOWN) 84,871 91,145 179,798 292,389 SHAKARPURA NORTH OF GHAZIABAD 123,449 132,574 261,524 425,294	. 43	Jheel	197,010	·		
45 Seemapuri 321,209 341,583 412,088 433,164 46 Gokulpuri 414,070 457,388 667,260 771,285 LONI (WEST OF RAILWAY TO BARAUT,INCLUDES 47 TARONICA TOWN) 84,871 91,145 179,798 292,389 SHAKARPURA NORTH OF GHAZIABAD 48 RAILWAY LINE 123,449 132,574 261,524 425,294	44	Seelampur	278,564			
46 Gokulpuri 414,070 457,388 667,260 771,285 LONI (WEST OF RAILWAY TO BARAUT,INCLUDES 91,145 179,798 292,389 47 TARONICA TOWN) 84,871 91,145 179,798 292,389 SHAKARPURA NORTH OF GHAZIABAD 123,449 132,574 261,524 425,294	45	Seemapuri	321,209	341,583	412,088	
(WEST OF RAILWAY TO BARAUT, INCLUDES 47 TARONICA TOWN) 84,871 91,145 179,798 292,389 SHAKARPURA NORTH OF GHAZIABAD 48 RAILWAY LINE 123,449 132,574 261,524 425,294	46	Gokulpuri	414,070	457,388	667,260	
BARAUT,INCLUDES 47 TARONICA TOWN) 84,871 91,145 179,798 292,389 SHAKARPURA NORTH OF GHAZIABAD 48 RAILWAY LINE 123,449 132,574 261,524 425,294		LONI				
47 TARONICA TOWN) 84,871 91,145 179,798 292,389 SHAKARPURA NORTH OF GHAZIABAD 48 RAILWAY LINE 123,449 132,574 261,524 425,294		(WEST OF RAILWAY TO				
47 TARONICA TOWN) 84,871 91,145 179,798 292,389 SHAKARPURA NORTH OF GHAZIABAD 48 RAILWAY LINE 123,449 132,574 261,524 425,294		BARAUT,INCLUDES		ļ		
SHAKARPURA NORTH OF GHAZIABAD 48 RAILWAY LINE 123,449 132,574 261,524 425,294			84,871	91,145	179,798	292,389
NORTH OF GHAZIABAD 48 RAILWAY LINE 123,449 132,574 261,524 425,294	}					
48 RAILWAY LINE 123,449 132,574 261,524 425,294	1 1					
	1		123,449	132,574	261,524	425,294

50	BARAUT	610,678	621,803	696,911	768,079
	SARDHANA	678,850	688,602	755,632	825,340
	MERRUT (R)				
	EAST OF RAILWAY LINE	271,001	274,793	299,506	327,500
	MERRUT (U)	1,155,340	1,230,932	1,741,668	2,091,619
	MERRUT (R)	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
	WEST OF RAILWAY LINE	327,824	332,301	362,305	396,170
	MAWANA	658,721	669,971	745,791	817,818
	GARHMUKTESHWAR	307,336	312,170	344,448	378,120
	HAPUR (R)		312,		
	WEST TO RAILWAY LINE	192,962	195,838	215,096	235,403
	HAPUR (U)	182,455	190,255	241,725	275,081
		102,733	170,233		2.0,001
	HAPUR (R)	347,331	352,508	387,173	423,725
	EAST TO RAILWAY LINE	1,158,855	1,177,165	1,299,572	1,424,369
	BULANDSHAHR (R)		142,792	156,336	165,076
	BULANDSHAHR (U)	141,046			789,672
	ANUPSHAHR	639,951	650,208	719,994	
	KHURJA (R)	651,229	661,170	727,896	797,845
	KHURJA (U)	87,144	87,751	93,559	97,502
	SIKANDRABAD	464,479	472,808	528,652	581,648
	DADRI	493,797	530,296	1,046,096	1,701,175
	MODINAGAR (R)				
67	WEST TO RAILWAY LINE	239,183	256,862	506,703	824,006
	MODINAGAR (R)				
68	EAST TO RAILWAY LINE	362,632	389,436	768,227	1,249,300
69	GHAZIABAD (U)	762,570	831,100	1,312,973	1,663,304
70	NOIDA	401,487	507,601	700,664	831,178
	FARIDABAD (R)				•
- 71	EAST OF THE RAILWAY LINE	187,583	195,678	254,557	312,141
72	FARIDABAD (U)	998,700	1,114,345	1,975,417	2,793,543
	FARIDABAD (R)				
73	WEST OF THE RAILWAY LINE	105,355	109,901	142,970	175,312
	PALWAL (R)	496,928	518,877	678,019	833,177
	PALWAL (U)	70,651	73,195	91,325	109,445
	FEROZPUR	382,390	400,336	533,355	664,382
	NUH	285,765	299,440	400,567	499,767
	SOHNA				
•	RURAL GURGAON EAST TO				
78	THE RAILWAY LINE	269,525	281,268	366,509	449,781
	GURGAON (U)	172,269	181,166	243,648	303,164
	GURGAON (R)	172,207	101,100		
90	WEST OF THE RAILWAY LINE	196,018	204,558	266,552	327,113
	<u> </u>	102,749	107,329	140,301	172,369
	PATAUDI		809,125	1,085,287	1,355,435
	REWARI	771,607		2,769,280	3,584,382
83	RAJNCR	1,805,900	1,921,000	2,709,200	3,364,362
•	JHAJJAR				-
	SOUTH OF ROAD TO		100.544	662.226	673,496
84	BAHADURGARH	412,805	429,544	552,236	075,490
	JHAJJAR				1. 1
	NORTH OF ROAD TO				0010=
	BAHADURGARH	125,636	130,731	168,072	204,977
	BAHADURGARH	324,370	341,152	463,318	581,290
87	ROHTAK (R)+MAHAM	696,730	726,382	942,030	1,153,324
. 88	ROHTAK (U)	265,247	276,675	356,791	434,501
	SONIPAT (R)	- 		* * * * * * *	
	WEST TO THE RAILWAY LINE	351,544	366,924	478,681	587,809

	SONIPAT (R)				
90	EAST TO THE RAILWAY LINE	205,955	214,965	280,439	344,373
91	GANAUR	184,293	192,155	249,152	304,945
92	PANIPAT (R)	759,272	792,279	1,032,088	1,266,378
93	PANIPAT (U)	248,093	262,426	363,375	458.803
94	GOHANA	374,465	390,291	505,270	618,000
95	MODINAGAR (U)	152,394	158,548	199,163	225,358
96	HATHIN	182,023	189,736	245,878	300,926
97	SONIPAT (U)	179,017	187,363	245,944	302,290
98	MAHARASHTRA EXCEPT MU	79,534,257	81,544,116	95,711,043	110,066,774
99	MUMBAI	15,122,743	15,537,495	18,623,899	21,871,822
100	REST OF HAR (N)	6,057,585	6,148,083	6,995,939	7,799,685
101	REST OF HAR (W)	5,272,415	5,351,182	6,089,141	6,788,708
102	RAJ (N)	8,348,860	8,558,904	10,228,334	11,976,127
103	REST OF RAJ	42,786,140	43,862,571	52,418,043	61,375,111
104	PUNJAB (N)	16,468,249	16,612,908	18,734,552	20,699,779
105	PUNJAB (S)	7,602,751	7,669,535	8,649,015	9,556,285
106	JAMMU AND KASHMIR	9,313,000	9,559,195	11,503,979	13,564,370
107	HIMACHAL PRADESH	5,923,000	6,000,842	6,767,213	7,477,084
108	UP I	10,733,635	11,166,903	13,087,320	15,027,733
109	UP II	5,107,152	5,307,993	6,158,932	7,001,728
110	UP III	13,807,294	14,433,025	17,737,987	21,358,762
111	UP IV	32,424,818	33,812,464	40,562,838	47,676,528
112	REST OF UP	91,379,101	95,232,531	113,560,835	132,677,293
113	EAST INDIA EXCEPT CALCUT	242,478,911	246,605,267	285,424,759	323,672,432
114	CALCUTTA	12,621,089	12,803,817	14,453,446	15,985,569
115	SOUTH INDIA	224,535,000	226,787,940	252,953,303	276,430,224
116	MADHYA PRADESH	78,822,000	80,660,864	95,530,256	110,852,063
117	GUJRAT	47,735,000	48,363,553	54,703,955	60,623,921
	INDIA	990,292,891	1,012,386,001	1,178,888,999	1,341,000,000
	NCR	34,219,890	36,366,811	48,994,210	58,518,002
	DELHI	13,249,807	14,366,000	19,507,000	21,697,924
	HARYANA NCR	8,348,991	8,795,841	12,061,781	15,226,740
	RAJASTHAN NCR	1,805,900	1,921,000	2,769,280	3,584,382
	UP NCR	10,815,193	11,283,970	14,656,149	
	REST OF INDIA	956,073,001	976,019,190	1,129,894,789	1,282,481,998

ZONAL EMPLOYMENT ESTIMATES

		Employment	Employment	Employment	Employment
Zone No.	Name of the Zone	1999	2001	2011	2021
ì	New Delhi Railway St.	136,935	137,000	137,000	137,000
2	Jama Masjid	245,474	245,474	273,429	305,766
3	Kamla Nagar	155,947	155,947	174,995	195,690
4	Timarpur	37,964	40,000	40,000	40,000
	Vijay Nagar	35,331	38,000	38,000	38,000
6	Wazirpur	179,270	197,000	218,743	244,613
7	Karol Bagh	129,944	129,944	142,183	158,998
	Anand Parbat	89,627	95,000	95,000	95,000
9	Pusa Institute	108,576	89,000	89,000	89,000
10	New Rajinder Nagar	60,495	66,000	109,372	122,306
	Central Sectt.	253,000	253,000	328,115	366,919
	Purana Qila	49,000			122,306
	Lodhi Colony	59,000		109,372	122,306
	Nizammudin	52,000		109,372	122,306
	Panchsheel Park	81,000		109,372	122,306
16	ChanakyaPuri	81,304	91,000	109,372	122,306
17	Delhi Cantt.	43,306	50,000	109,372	122,306
18	Janak Puri	104,276		109,372	122,306
19	Paschim Vihar	104,000		164,058	183,460
20	Pitampura	119,838		164,058	183,460
	Salempur	94,908			122,306
	Madanpur Khadar	153,397	159,000		244,613
	Govindpuri	109,000		164,058	183,460
	R.K.Puram	87,000		164,058	183,460
	Jawahar Lal University	35,015			122,306
	Kailashpuri	228,327		546,858	611,532
	Najafgarh	223,700		546,858	611,532
	Sultanpuri	210,928		328,115	366,919
	Daulatpur	123,223			244,613
	Bakauli	80,665			183,460
	Tikri Khurd	173,930			366,919
	Bawana	134,191	175,000		366,919
	Nizampur	52,322			
	Gangatoli	126,730		}	244,613
<u> </u>	Rasulpur	78,980			
<u></u>	Qutabpur	23,113	 		
<u></u>	Mehrauli	44,849			
<u> </u>	Chhatarpur	26,605			
	Mayur Vihar	58,033			
40	Shakar Pur	48,192			
	Jagat Puri	50,708			
<u> </u>	Anand Vihar	21,984			
	Jheel	117,700			
}	Seelampur	45,207		 	
	Seemapuri	97,550			
	Gokulpuri	65,788	****		

	It over			 	γ
	LONI				ļ
	(WEST OF RAILWAY TO				
ļ ,,	BARAUT, INCLUDES TARONICA				
47	TOWN)	12,188	13,310	29,875	55,368
	SHAKARPURA				
	NORTH OF GHAZIABAD RAILWAY			ļ	
	LINE	16,300			54,867
	BAGHPAT	33,855	35,054	44,702	56,147
	BARAUT	65,344	67,627	85,968	107,669
	SARDHANA	60,718	61,343	66,393	71,662
	MERRUT (R)				
}	EAST OF RAILWAY LINE	24,097			28,269
	MERRUT (U)	311,971	340,085	567,891	806,423
1	MERRUT (R)				
	WEST OF RAILWAY LINE	29,149	29,429	31,646	34,196
<u></u>	MAWANA	54,655	55,365	60,787	65,872
	GARHMUKTESHWAR	20,722	20,963	22,814	24,749
	HAPUR (R)				
57	WEST TO RAILWAY LINE	16,866	17,049	18,469	19,974
58	HAPUR (U)	44,803	47,801	71,674	96,446
	HAPUR (R)				
L	EAST TO RAILWAY LINE	30,359	30,688	33,244	35,954
60	BULANDSHAHR (R)	58,202	58,884	64,117	69,445
61	BULANDSHAHR (U)	36,265	37,565	48,538	60,602
62	ANUPSHAHR	45,113	45,652	49,860	54,040
63	KHURJA (R)	23,834	24,101	26,170	28,346
64	KHURJA (U)	21,952	22,617	28,459	35,070
65	SIKANDRABAD	46,747	47,394	- 52,266	56,827
66	DADRI	70,914	77,442	173,817	322,141
	MODINAGAR (R)				
67	WEST TO RAILWAY LINE	34,349	37,511	84,193	156,037
	MODINAGAR (R)				
68	EAST TO RAILWAY LINE	52,077	56,871	127,647	236,572
69	GHAZIABAD (U)	227,487	254,117	472,069	704,367
70	NOIDA	129,106	167,302	271,554	379,419
	FARIDABAD (R)		,		3.7,1.2
71	EAST OF THE RAILWAY LINE	19,690	20,466	26,343	32,014
	FARIDABAD (U)	320,735	366,807	764,618	1,273,559
<u> </u>	FARIDABAD (R)				-,-,0,000
73	WEST OF THE RAILWAY LINE	11,059	11,495	14,796	17,980
	PALWAL (R)	39,495	41,074	52,937	64,283
	PALWAL (U)	18,127	19,215	28,294	40,095
}	FEROZPUR	28,099	29,300	38,501	47,393
}	NUH	29,002	30,268	39,935	49,237
	SOHNA	-,		27,733	.,,,,,,,
1	RURAL GURGAON EAST TO THE				
	RAILWAY LINE	38,000	40,325	59,787	83,617
}	GURGAON (U)	53,004	57,132	90,352	132,413
	GURGAON (R)	33,007	3,,132	70,332	1,72,713
	WEST OF THE RAILWAY LINE	27,636	29,327	43,481	60,812
· · · · · · · · · · · · · · · · · · ·	PATAUDI	12,836	13,628	20,205	28,209
011	43113000	16,030	13,020	20,203	20,209

			06.626	146 226	206,254
	REWARI	89,625	95,526	145,326	
83	RAJNCR	165,449	180,072	306,360	468,879
	JHAJJAR	l			
	SOUTH OF ROAD TO			44.000	55.454
84	BAHADURGARH	35,026	36,300	46,029	55,474
	JHAJJAR			1	
	NORTH OF ROAD TO	İ		ļ	
85	BAHADURGARH	10,660	11,048	14,009	16,883
86	BAHADURGARH	56,699	60,640	93,703	133,981
87	ROHTAK (R)+MAHAM	62,923	65,338	83,575	101,114
88	ROHTAK (U)	75,180	80,236	122,112	175,839
	SONIPAT (R)			ļ	
89	WEST TO THE RAILWAY LINE	46,731	49,599	73,622	103,032
	SONIPAT (R)				
90	EAST TO THE RAILWAY LINE	27,377	29,058	43,132	60,362
	GANAUR	21,574	22,864	33,625	46,767
	PANIPAT (R)	63,647	66,146	84,988	103,051
	PANIPAT (U)	78,498	84,957	138,833	207,274
	GOHANA	34,776	36,100	46,095	55,714
	MODINAGAR (U)	43,907	47,266	76,365	111,318
	HATHIN	9,950	10,330	13,203	15,968
	SONIPAT (U)	51,960	56,271	95,002	· 150,428
	MAHARASHTRA EXCEPT MUMBAI	10,763,018	11,241,248	14,404,603	17,957,075
	MUMBAI	5,225,455	5,391,305	6,597,323	7,906,500
	The state of the s	715,513	733,298	874,798	1,020,313
	REST OF HAR (N)	452,232	465,328	565,571	670,765
	REST OF HAR (W)		763,160	929,451	1,108,688
	RAJ (N)	741,585		6,120,004	7,711,946
	REST OF RAJ	4,538,544	4,730,792	3,340,838	3,921,145
	PUNJAB (N)	2,717,256	2,778,020		1,098,039
	PUNJAB (S)	765,142	781,807	937,722	
	JAMMU AND KASHMIR	1,154,653	1,198,875	1,525,207	1,895,562
	HIMACHAL PRADESH	653,296	670,393	803,998	941,358
	UP I	1,277,498	1,343,904	1,661,975	2,008,237
	UP II	519,695	546,519	671,190	805,163
	UP III	1,862,341	1,985,420	2,677,734	
	UP IV	3,160,631	3,298,582	3,973,249	
	REST OF UP	5,919,830	6,226,982	7,768,337	9,476,678
	EAST INDIA EXCEPT CALCUTTA	22,167,095	22,866,420	28,329,959	34,240,041
	CALCUTTA	3,827,360	3,899,246	4,494,599	
	SOUTH INDIA	47,007,135	50,732,931	74,734,063	
116	MADHYA PRADESH	7,826,888	8,138,507	10,402,835	
117	GUJRAT	7,903,147	8,207,344	10,415,160	
	INDIA	136,775,382		194,360,279	
	NCR	7,577,066			16,350,641
	DELHI UT	4,638,329			
	HARYANA NCR	1,262,308	1,363,448		
	RAJASTHAN NCR	165,449	180,072		·
	UP NCR	1,510,980	1,637,205	2,568,723	
	REST OF INDIA	129,198,316	136,000,082	181,228,614	231,291,868

		PER CAI	PITA INCO	OMF (MC	NTHI VI			ME (MON	THLY)
ZONE NO	ZONE NAME	1999	2001	2011	2021	1999	·	2011	2021
<u></u>	New Delhi Railway St.	2,493	2,637	3,232	4,868	1,498	1,585	1,942	2.925
	Jama Masjid	2,493	2,637	3,232	4,868	1,498	1,585	1.942	2.925
	Kamla Nagar	2,493	2,637	3,232	4,868	1,498	1,585	1,942	2,925
	Timarpur	2,484	2,627	3,219	4,849	1,492	1,578	. 1,934	2,913
	Vijay Nagar	2,493	2,637	3,232	4,868	1,498	1,585	1,942	2,925
<u></u>	Wazirpur	2,493	2,637	3,232	4,868	1,498	1,585	1,942	2,925
And the second s	Karol Bagh	2,493	2,637	3,232	4,868	1,498	1,585	1,942	2,925
	Anand Parbat	2,493	2,637	3,232	4,868	1,498	1,585	1,942	2,925
9	Pusa Institute	2,493	2,637	3,232	4,868	1,498	1,585	1,942	2,925
L	New Rajinder Nagar	2,493	2,637	3,232	4,868	1,498	1,585	1,942	2,925
	Central Sectt.	2,836	2,999	3,676	5,537	1,704	1,802	2,209	3,327
	Purana Qila	2,493	2,637	3,232	4,868	1,498	1,585	1,942	2.925
	Lodhi Colony	2,836	2,999	3,676	5,537	1,704	1,802	2,209	3,327
	Nizanımudin	2,403	2,541	3,114	4,691	1,444	1,527	1,871	2,819
1	Panchsheel Park	2,403	2,541	3,114	4,691	1,444	1,527	1,871	2,819
	ChanakyaPuri	2,836	2,999	3,676	5,537	1,704	1,802	2,209	3,327
1	Delhi Cantt.	3,179	3,362	4,120	6,206	1,910	2,020	2,476	3,729
1	Janak Puri	2,265	2,396	2,936	4,423	1,361	1,440	1,764	2,658
	Paschim Vihar	2,265	2,396	2,936	4,423	1,361	1,440	1,764	2,658
	Pitampura	2,272	2,403	2,945	4,436	1,365	1,444	1,770	2,665
	Salempur	2,484	2,627	3,219	4,849	1,492	1,578	1,934	2,913
	Madanpur Khadar	2,403	2,541	3,114	4,691	1,444	1,527	1,871	2,819
	Govindpuri	2,403	2,541	3,114	4,691	1,444	1,527	1,871	2,819
	R.K.Puram	2,403	2,541	3,114	4,691	1,444	1,527	1,871	2,819
	Jawahar Lal University	2,403	2,541	3,114	4,691	1,444	1,527	1,871	2,819
	Kailashpuri	2,265	2,396	2,936	4,423	1,361	1,440	1,764	2,658
	Najafgarh	2,265	2,396	2,936	4,423	1,361	1,440	1,764	2,658
	Sultanpuri	2,272	2,403	2,945	4,436	1,365	1,444	1,770	2,665
	Daulatpur	2,272	2,403	2,945	4,436	1,365	1,444	1,770	2,665
	Bakauli .	2,484	2,627	3,219	4,849	1,492	1,578	1,934	2,913
·	Tikri Khurd	2,484	2,627	3,219	4,849	1,492	1,578	1,934	2,913
32	Bawana	2,272	2,403	2,945	4,436	1,365	1,444	1,770	2,665
33	Nizampur	2,272	2,403	2,945	4,436	1,365	1,444	1,770	2,665
	Gangatoli	2,272	2,403	2,945	4,436	1,365	1,444	1,770	2,665
	Rasulpur	2,272	2,403	2,945	4,436	1,365	1,444	1,770	2,665
	Qutabpur	2,265	2,396	2,936	4,423	1,361	1,440	1,764	2,658
37	Mehrauli	2,403	2,541	3,114	4,691	1,444	1,527	1,871	2,819
38	Chhatarpur	2,403	2,541	3,114	4,691	1,444	1,527	1,871	2,819
. 39	Mayur Vihar	2,265	2,403	3,219	4,868	1,361	1,444	1,934	2,925
40	Shakar Pur	2,493	2,637	3,232	4,868	1,498	1,585	1,942	2,925
41	Jagat Puri	2,493	2,637	3,232	4,868	1,498	1,585	1,942	2,925
42	Anand Vihar	2,493	2,637	3,232	4,868	1,498	1,585	1,942	2,925
	Jheel	2,493	2,637	3,232	4,868	1,498	1,585	1,942	2,925
	Seelampur	2,265	2,403	3,219	4,868	1,361	1,444	1,934	2,925
	Seemapuri	2,265	2,403	3,219	4,868	1,361	1,444	1,934	2,925
	Gokulpuri	2,265	2,403	3,219	4,868	1,361	1,444	1,934	2,925
	LONI								
	(WEST OF RAILWAY TO		.					.]	-
	BARAUT, INCLUDES TARONICA	• •						:	1
	TOWN)	626	632	655	723	422	380	393	434

····	OLI A IZ A TOPI ID A			·····	т	T		т	
	SHAKARPURA NORTH OF GHAZIABAD RAILWAY	l		-	1				
		607	602	530	510	395	350	318	306
	LINE	587	582 594	652	720	395	357	392	432
	BAGHPAT	587		652	720	395	357	392	432
	BARAUT	587	594				321		
L	SARDHANA	534	534	536	538	360	321	322	324
1	MERRUT (R)				63.4	367	310	330	221
l	EAST OF RAILWAY LINE	530	530	532	534	357	319	320	321
53	MERRUT (U)	933	957	1,144	1,373	628	575	687	825
	MERRUT (R)				62.1	35,7	310	200	
	WEST OF RAILWAY LINE	530	530	532	534		319	320	321
L	MAWANA	527	527	529	531	355	317	318	319
56	GARHMUKTESHWAR	470	470	472	473	316	283	284	284
	HAPUR (R)						224	205	
	WEST TO RAILWAY LINE	508	509	511	513	342	306	307	308
58	HAPUR (U)	857	880	1,051	1,260	577	529	631	757
	HAPUR (R)]	22.		
L	EAST TO RAILWAY LINE	508	509	511	513	342	306	307	308
	BULANDSHAHR (R)	401	401	402	404	270	241	242	243
	BULANDSHAHR (U)	889	912	1,094	1,314	598	548	658	789
	ANUPSHAHR	469	469	471	473	316	282	283	284
	KHURJA (R)	372	372	373	373	250	223	224	224
	KHURJA (U)	881	905	1,083	1,298	593	544	651	780
65	SIKANDRABAD	534	534	536	539	359	321	322	324
66	DADRI	626	632	655	723	422	380	393	434
	MODINAGAR (R)								
67	WEST TO RAILWAY LINE	626	632	655	723	422	380	393	434
	MODINAGAR (R)					ļ			
68	EAST TO RAILWAY LINE	626	632	655	723	422	380	393	434
69	GHAZIABAD (U)	1,021	1,050	1,253	1,498	687	631	753	900
70	NOIDA	1,111	1,139	1,358	1,622	748	685	816	975
	FARIDABAD (R)							4.	
71	EAST OF THE RAILWAY LINE	1,197	1,205	1,148	1,164	771	724	690	700
72	FARIDABAD (U)	1,988	2,081	2,484	3,155	1,280	1,251	1,493	1,896
	FARIDABAD (R)			·			·		
73	WEST OF THE RAILWAY LINE	1,197	1,205	1,148	1,164	771	724	690	700
74	PALWAL (R)	1,206	1,209	1,128	1,122	777	726	678	674
75	PALWAL (U)	1,667	1,740	2,070	2,618	1,073	1,046	1,244	1,573
76	FEROZPUR	1,186	1,186	1,090	1,074	764	713	655	645
77	NUH	1,280	1,283	1,197	1,198	824	771	- 719	720
	SOHNA								
	RURAL GURGAON EAST TO THE								
78	RAILWAY LINE	1,371	1,401	1,486	1,700	883	842	893	1,021
79	GURGAON (U)	1,901	1,992	2,383	3,028	1,224	1,197	1,432	1,819
	GURGAON (R)								
80	WEST OF THE RAILWAY LINE	1,371	1,401	1,486	1,700	883	842	893	1,021
	PATAUDI	1,257	1,283	1,350	1,534	810	771	811	922
	REWARI	1,177	1,199	1,250	1,415	758	721	751	850
<u> </u>	RAJNCR	769	783	860	1,046	518	470	517	629
	JHAJJAR	1							12
	SOUTH OF ROAD TO			'					
84	BAHADURGARH	1,193	1,199	1,133	1,136	768	720	681	683
	ЛАJJAR	T	1	1					
1	NORTH OF ROAD TO							111	
94	BAHADURGARH	1,193	1,199	1,133	1,136	768	720	681	683
	BAHADURGARH	1,600	1,634	1,733	1,995	1,030	982	1,041	1,199
L	ROHTAK (R)+MAHAM	1,300	1,304	1,225	1,225	837	784	736	736
L 8	TUOLITAK (K) TIMATIAM	1,500	1,504	1,245	1,225	L	1		1

88	ROHTAK (U)	1,772	1,853	2,221	2,829	1,141	1,113	1,334	1 700 }
	SONIPAT (R)		1,055		2,027	1,141	1,113	1,334	1.700
89	WEST TO THE RAILWAY LINE	1,437	1,464	1,527	1,720	925	880	918	1,033
	SONIPAT (R)								1,055
90	EAST TO THE RAILWAY LINE	1,437	1,464	1,527	1,720	925	880	918	1,033
91	GANAUR	1,402	1,426	1,466	1,628	903	857	881	978
92	PANIPAT (R)	1,258	1,262	1,180	1,176	810	758	709	706
93	PANIPAT (U)	1,964	2,053	2,463	3,141	1,265	1,234	1,480	1,887
94	GOHANA	1,385	1,390	1,304	1,302	892	835	784	782
95	MODINAGAR (U)	990	1,028	1,341	1,752	666	617	806	1,053
96	HATHIN	1,217	1,217	1,121	1,098	784	731	674	660
97	SONIPAT (U)	1,844	1,947	2,526	3,488	1,188	1,170	1,518	2,096
98	MAHARASHTRA EXCEPT MUMBAI	2,053	2,364	3,657	5,666	1,382	1,421	2,197	3,405
99	MUMBAI	1,901	2,174	3,109	4,455	1,280	1,306	1,868	2,677
100	REST OF HAR (N)	1,429	1,487	1,614	1,755	962	894	970	1,055
101	REST OF HAR (W)	1,430	1,488	1,617	1,760	963	894	971	1,057
102	RAJ (N)	735	759	759	762	495	456	456	458
103	REST OF RAJ	776	805	855	909	522	484	514	546
104	PUNJAB (N)	1,753	1,884	2,380	3,013	1,180	1,132	1,430	1,810
105	PUNJAB (S)	1,745	1,874	2,356	2,968	1,175	1,126	1,416	1,783
106	JAMMU AND KASHMIR	796	853	1,014	1,208	536	512	609	726
107	HIMACHAL PRADESH	1,172	1,296	1,819	2,558	788	779	1,093	1,537
108	UP (663	685	731	783	446	411	440	470
109	UP II	669	692	746	807	450	416	448	485
110	UP III	635	653	665	679	427	392	400	408
111	UP IV	649	669	698	730	437	402	419	439
112	REST OF UP	652	673	707	743	439	404	425	447
113	EAST INDIA EXCEPT CALCUITA	611	635	659	685	411	382	396	412
114	CALCUTTA	1,222	1,383	2,110	3,226	823	831	1,268	1,938
115	SOUTH INDIA	1,053	1,168	1,669	2,391	709	702	1,003	1,437
116	MADHYA PRADESH	705	738	817	905	474	444	491	544
117	GUJRAT	1,525	1,735	2,655	4,069	1,026	1,043	1,595	2,445
	INDIA	1,080	1,176	1,514	1,997				
	NCR	1,549	1,633	1,939	2,598				
	DELHI	2,473	2,616	3,205	4,828				
	HARYANA NCR	1,435	1,471	1,592	1,862				
	RAJASTHAN NCR	769	776	981	1,351				
	UP NCR	635	652	743	841				

Appendix to Chapter 6

- 1. Land Value
- 2. Brick Kilns
- 3. Land Acquisition, Resettlement and Rehabilitation
- 4. The National Commission for Women

Appendix 6.1: Land Value

In U.P., particularly in Ghaziabad and Meerut districts, there are some categories to describe land divided in following:

- Bara/Kachiyana: A land, which is located in, and around 100-meter radius of village habitation.
- Sevta: Loamy soils.
- Dakar/Bhur: Black color soils that are generally sandy type.
- Khader: Soils that are located around the river belt.

On the other hand, in Haryana State the land has been classified in to following four categories:

- Nehri or Wahi: A land that is close to the canal or has irrigation potential.
- Warani/Rosli: A land mostly cultivated under rain water conditions as it lacks irrigation facilities.
- Banjar/Khudan: A land that is sodic/saline/waste or degraded, and not fit for cultivation unless reclaimed.
- Abadi: A land fit for residential purpose due to its proximity to habitation.

The cost of land based on land types is given in Box-1 below for the villages falling in Haryana State. These rates are fixed by the Revenue Department of respective districts. The rates are proposed for the year 1999-2001.

Box-1: Cost of land in villages of Sonepat District (Rs. /hectare)

	Broad land categories						
Village Name	Nehri/Wahi	Warani	Banjar	Abadi			
1. Kundli	200,000	1,200,000	900,000	300/Sq.meter			
2. Patla	600,000	400,000	300,000	175/Sq.meter			
3. Atrena	540,000	400,000	300,000	175/Sq.meter			
4. Manoli	640,000	440,000	300,000	175/Sq.meter			
5. Badhkhalsa	1,300,000	720,000	500,000	200/Sq.meter			

Source: Social Survey Report in the Expressways Project Area, MDP Consultants Limited.

In U.P., the land has been classified according to its location as well as its type.

The location wise classification is in four categories i.e., falling in Municipal area, Town area, partially urbanized area, and rural area.

The value of land fixed in Modi Nagar is indicated in Box-2 below. The cost is determined and fixed the Revenue Department of the district.

Box-2: Value of land in Modi Nagar

(Rs./hectre)

Type of Land	Partially Urban Area	Rural Area
Bara / Kachiyana	420,000	380,000
Sevta	300,000	300,000
Dakar / Bhur	300,000	280,000
Khadar		200,000

Source: Social Survey Report in the Expressways Project Area, MDP Consultants Limited.

In Modi Nagar, Yaqutpur Mavi falls under the category of partially urbanized area. The rest of sample villages fall under rural area. Apart from this, in U.P. there are other condition prescribed by the Revenue Department for land acquisition. These are as follows:

- The minimum stipulated cost of the agricultural land on Delhi-Meerut Road is Rs.1.6 million per hectare.
- If the land is sold for other than agricultural purpose, the rate applicable will be thrice that of the minimum stipulated rate.
- The cost of agricultural land on Hapur-Modi Nagar Road will be 25% more than that of minimum stipulated rate.
- Agricultural land closer to the town will be 50% higher rate than that of minimum stipulated rate.
- Agricultural land on National Highways, link roads and district roads would cost 50%, 25% and 15% more than that of minimum stipulated rate.
- The agricultural rate of the land will only be applicable if the necessary documents are produced in case of joint holder / co-holder of the 0.125 hectare of agricultural land, otherwise one has to pay Stamp Duty¹ on per square meter of the area.

¹ This is one of registration fees.

The costs of land in Bagpat district are shown in Box-3 below:

Box-3: Cost of land in Bagpat District

(Rs./hectre)

Partially Urbanised Villages						
Type of Land	Agricultural Land	Non Agricultural Land				
Bara / Kachiyana	420,000	450,000				
Sevta	370,000	450,000				
Dakar / Bhur	285,000	450,000				
Khadar	185,000	450,000				

Source: Social Survey Report in the Expressways Project Area, MDP Consultants Limited.

Village called Khekra (Bagpat district) falls under the special category of partially urbanized village, and, in fact, it is a Tchsil². Most of our sample villages of Bagpat district fall under the Khekra Tehsil and the rate mentioned above are applicable to them.

The cost of partially urbanized village i.e., Idrispur only agricultural purpose is Rs.310,000 per hectare.

The cost of land in villages in Meerut district is given in Box-4 below:

Box-4: Cost of land in Meeraut District

(Rs./hectre)

Type of Land	Agricultural Land	Non Agricultural Land
Bara / Kachiyana	350,000	400,000
Sevta	300,000	400,000
Dakar / Bhur	250,000	400,000
Khadar	120,000	400,000

Source: Social Survey Report in the Expressways Project Area, MDP Consultants Limited.

The cost of land in villages falling in Ghaziabad district is given in Box-5 below:

² This is to be positioned between District and Block.

Box-5: Cost of land in Ghaziabad District (Rs./ha.)

Name of Village	Agricultural Land
1. Bhikanpur	520,000
2. Bhowapur	520,000
3. Morti	. 600,000

Source: Social Survey Report in the Expressways Project Area, MDP Consultants Limited.

In Table 6.4.9, it shows the 17 sample villages of land use pattern, sources-wise irrigated area and market value of the land.

ž
ă
Ď
Ā

	namedration of the control of the co		2222006					,					
	Name of The Villages	Total	Land on	Land other than agri.	Land not fit Land for Irrigated Canal	Land for	Irrigated	Canal	State	Private ·	Open Others	Others	Cost of land (ha) as
	-	Area	which water	use like houses, roads,	for agri.	Agri. use	land		Tubewell Tubewell Well	Tubewell	Well		informed by villagers
			is present	railway line etc.									in Rs.
	1 Katha	1016	156	55	216	167	191	z	z	191	z	z	720,000
	2 Badh Khalsa	Data not	Data not available from Tehsil	Tehsil									3,000,000
	3 Sonda	556	27	99	95	448	448	160	z	288	z	z	400,000
	4 Panchali Khurd	709	20	55	88	009	009	179	z	421	z	z	420,000
	5 Sherpur	156	9	7	14	142	142	z	z	142	z	z	800,000
Δ6	6 Khurrampur	416	12	43	59	SSE	355	Z	z	355	z	z	400,000
5 - 6	7 Rawan (Badagawan)	943	42	55	100	ZZ <i>L</i>	722	z	z	350	z	z	000'009
<u> </u>	8 Bhidoli	548	21	17	40	868	398	z	z	368	z	z	400,000
	9 Jalalpur Raghunathpur	148	5	11	16	112	112	z	z	112	z	z	000,009
	10 Mawi Kalan	632	\$	48	88	523	523	z	z	523	z	z	800,000
	11 Sharfabad	142	2	11	14	511	115	z	z	115	z	z	200,000
	12 Sikhera	142	3	2	12	127	127	Z	Z	127	z	z	800,000
	13 Alamgirpur	75		3	\$	70	70	z	Z	20	z	z	000,009
	14 Soharka	101	2	9	6	88	88	91	Z	72	z	z	400,000
	15 Reora	505	9	32	51	427	427	Z	293	134	z	z	200,000
	16 Chajjupur	325	10	23	43	270	270	136	z	134	z	z	200,000 ~ 300,000
	17 Manauli	1666	•	•	06	1539	1536	z	z	1304	z	232	3.000,000

Source: Data collected from Tehsil records of the concerned districts.

Appendix 6.2: Brick Kilns

Price of land leasing:

Lease period: not less than 5 years, not more than 15 years.

Lease fee: Rs.25,000/ha/year. Size of leasing-in area: 0.2 ~ 20ha.

Depth of soil: 0.3 m/year.

Platform and chimney: Rs.35,000/ha.

Total area (soil part and platform & chimney): 0.2 ~ 100ha.

Height of chimney:

Large size of factory: about 35m or above. Medium size of factory: about 32 ~34 m. Small size of factory: about 12 m.

Production and cost:

During peak period (dried summer season): 70,000 bricks/day.

Labor productivity: 2,000/person.

Labor cost: Rs.240/day.

Value of a chimney: Rs.5 million (in large size).

(Factories in Khekra have been operating for 3 years.)

Cost of bricks: Rs.1.2 ~ 1.5/one brick.

Man power:

Example: A medium size brick kilns case:

- (1) 200 workers for molding (In case of large size: 290 ~ 300 workers).
- (2) 56 workers for carrying bricks.
- (3) 8 workers for fueling (mainly coal and charcoal).
- (4) 20 ~ 28 workers for taking out bricks

Total: more than 290 workers for a medium size brick factory.

(2) ~ (4) kinds of worker income: Rs.2,000/month (12 hours/day).

Appendix 6.3: Land Acquisition, Resettlement and Rehabilitation

Summary of Key Trends in Indian Law and Policies

Legislation and policies to address social issues associated with infrastructure projects are evolving rapidly. Most of these laws and policies are oriented towards improved understanding of two key issues namely – definition of project affected persons (PAPs), and nature and extent of entitlements. Some key changes taking place are:

- (a) Regarding the inclusion of persons within the definition of 'PAPs', unlike the Land Acquisition Act which at only once deals with people who lose land and have valid legal titles, the Draft National Rehabilitation Policy (Ministry of Rural Development) is no moving to a holistic understanding of what Rehabilitation & Resettlement (R&R) mean and who PAPs are. There are many instances where the people are encroaching upon land, which already belongs to the Government. It is comparatively easy, given political will, to clear the encroachments, since the encroaches have no legal standing. Difficulty often arises because of proper land records. Also, to make the persons encroaching amenable as well as to obtain political acceptability, certain policies of compensation and rehabilitation of persons encroaching are made by a number of States. In these State cases, the removal of encroachments becomes smooth and fast.
- (b) Regarding the extent and nature of entitlements, while 'adequate compensation' was initially the objective of lows/policies, replacement value and even development benefits are now favored in order to mitigate the potentially disruptive nature of project-induced displacement and other adverse effects. Correspondingly, compensation has now been re-defined, and includes grants/allowances/civic amenities leading to establishment of a resource base similar to pre-project condition. Seven basic categories of issues and impacts are increasingly being recognized under the entitlement framework. These are (1) loss of land, (2) loss of structure, (3) loss of source of livelihood, (5) loss of access to common resources and facilities, (6) loss of standing crops and trees, (7) losses during transition of displaced persons/establishments, and (8) loss to host communities.
- (c) Laws and policies now provide for resettlement on a community-wide basis and not on an individual basis. Integration into host communities is also an important consideration.
- (d) Most policies now view R&R as a time bound activity.
- (e) Cut off dates for identification of PAPs, and the formulation of eligibility criteria are now specified in some of the laws.
- (f) National Acts and policies have little provision for public disclosure,

consultation and participation, whereas the Orissa R&R policy and NGO policy do.

(g) Grievance and redress mechanisms are addressed in the National Draft Policy through the provision for setting up of a Grievance and Redress Cell including organizations of displaced persons.

The requirement of social assessment is not mandatory under national law. Preparations of R&R plans are required under specific State laws and some policies, but there is no parallel with the environmental clearance required under the Environmental Impact Assessment (EIA) Notification, 1994.

Resettlement and Rehabilitation Problems

The Indian experience of displacement induced by development projects shows that the government made too weak efforts to minimize the extent and the trauma of displacement, and to comprehensively resettle the displaced people. A number of factors have contributed to make rehabilitation and development of the displaced people difficult and unmanageable. The pace of change has exceeded the limits of resilience of the prevalent social and economic system and has thus led to its disruption. The people have been left to tend for themselves in, so called, 'new world' about which they know nothing. Adverse forces, therefore, overwhelm them. Sudden changes in technology, and the rapid penetration of the market economy are all well-known examples resulting in extensive dislocation of traditional economies. One important cause of displacement is the lack of recognition of people's rights. Farmer's rights, even though partial, are on record as agriculture is their dominant activity. However, pastoralists and illegal dwellers³ have no rights whatsoever. The rights of tenants on land belonging to farmers have largely been ignored. State or any agency on its behalf can claim the resources for alternative use, at best after paying some compensation. People whose rights are not recognized at all cannot claim even nominal compensation.

Displacement has consistently been treated as a non-issue because planners and leaders fail to appreciate the empirical reality. The planners viewed people living in and around the site of a development project as impediments to progress, as those who must make sacrifices in the interests of the nation. Most planners assumed that displacement is inevitable, and often attempted to deal with the fallout only when the affected people resisted eviction. The rehabilitation policies, which emerged, were mere mitigating strategies. The system established to compensate for the loss of property and livelihoods is limited by its own definitions, the second problems arises from the mindset of the administrators of the system. They are primarily concerned about the physical location. To them, the question of livelihood is not an issue. It is expected that the people will take care of themselves, particularly after their

³ They are mainly migrants from Rajasthan, U.P. and Bihar, and their main occupations are agricultural workers and laborers in informal service sector.

legal claims have been settled. Basic needs remain unsatisfied, while superficial pay off are made to justify the process of rehabilitation. In fact, rehabilitation is a lengthy process, which may take several generations: normalization is rarely achieved. Further displacement has not been recognized as a serious issue because most of the people affected belong to he weakest sections of the community. More often than not, when land is acquired for development projects in the so-called advanced area, the landowners are not dependent on the land for their subsistence. Those who do depend on the land for their livelihood tenants or sharecroppers — have no rights and therefore can be pushed aside without much fuss.

Appendix 6.4: The National Commission for Women

The National Commission for Women identified the following major issues which hinder the development of women:

- (a) fewer and poorer opportunities to work;
- (b) greater impact if unemployment levels are high;
- (c) under employment or employed only in 'casual' work;
- (d) greater vulnerability due to lower average skills and education;
- (e) lesser mobility;
- (f) dual home and employment responsibilities;
- (g) a current systematic social practice of underrating women's work; and
- (h) lack of access to the more sophisticated technologies.

In 1991, out of the total female population, only 4.6% were recorded as participating in the workforce. And in proportion to the total population, in the urban area of the NCR the work force participation ratio (WFPR) was only 1.1%. According to the Ministry of Labour, State of Haryana and Uttar Pradesh and the National Capital Territory of Delhi fall within the lowest category range of female WFPR.

Appendix to Chapter 7

- 1. Meteorological Data of the Study Area
- 2. River Cross Sections for Yamuna and Hindan Rivers (for Alternative Routes)
- 3. Horizontal Alignment Tables for Alternatives
- 4. Crossing Facility List for Proposed Optimum Route
- 5. Conversion to Economic Cost from Financial Cost
- 6. Yearly Allocation of Construction Cost
- 7. Traffic Demand of Nine Alternatives
- 8. Cost Benefit Analysis of Investment Priority
- 9. Estimation of Time Cost Saving on Meerut Extension

ones australitation established

Appendix 7.1: Meteorological Data of the Study Area

Mean daily temperature

Unit: ℃

								Omt. C
Station		Jan.	Feb.	Mar.	Apl.	May	June	June
Delhi Safdarjang	max.	21.3	23.6	30.2	36.2	40.5	39.9	35.3
	min.	7.3	10.1	15.1	21.0	26.6	28.7	27.2
Meerut	max.	20.6	24.5	30.1	36.1	40.0	39.5	34.3
	min.	7.9	9.8	15.0	20.2	24.8	27.4	28.4
Gurgaon	max.	21.4	23.5	29.8	37.1	40.0	39.5	35.0
	min.	5.1	7.5	12.4	19.1	23.7	26.7	26.1

Station		Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Delhi Safdarjang	max.	33.7	34.1	33.1	28.7	23.4	31.7
	min.	26.1	24.6	18.7	11.8	8.0	18.8
Meerut	max.	32.7	33.4	31.9	27.9	23.2	31.2
	min.	25.7	24.3	18.5	11.3	8.1	18.3
Gurgaon	max.	33.3	34.3	33.8	28.9	23.4	31.7
	min.	25.1	22.8	17.6	10.7	6.1	16.9

Source: NCRPB, "Study on Drainage System and Flood Control Including Water Resources in National Capital Region," October 1994

Maximum and minimum daily temperature

Unit: ℃

							Omn. V
Station		Jan.	Feb.	Mar.	Apl.	May	June
Delhi Safdarjang	max.	29.4	33.3	40.6	45.6	47.2	46.7
	min.	-0.6	1.7	4.4	10.7	17.0	18.9
Meerut	max.	29.3	32.0	37.8	43.1	45.7	46.1
	min.	0.2	0.0	6.2	12.2	15.8	19.4
Gurgaon	max.	27.4	33.0	38.3	44.6	49.0	46.3
	min.	0.0	0.7	3.8	9.4	17.0	19.1

Station	I	June	Aug.	Sep.	Oct.	Nov.	Dec.
Delhi Safdarjang	max.	45.0	40.0	40.6	39.6	35.0	28.9
	min.	21.4	21.2	17.6	9.4	3.9	1.1
Meerut	max.	46.1	38.3	38.2	37.8	34.0	30.0
	min.	20.3	19.9	18.5	10.9	5.6	0.2
Gurgaon	max.	44.0	38.6	41.0	38.0	38.4	29.6
·	min.	21.0	15.5	15.8	9.8	3.2	-4.7

Source: NCRPB, 'Study on Drainage System and Flood Control Including Water Resources in National Capital Region," October 1994

Mean maximum and mean minimum temperature

Unit: ℃

						<u> </u>		Onti.
Sub-region		Jan.	Feb.	Mar.	Apl.	May	June	June
Haryana	max.	20.9	23.9	29.7	35.8	40.1	40.1	35.4
(including NCT)	min.	6.5	9.0	14.2	19.7	24.8	27.4	26.2
Uttar Pradesh	max.	22.1	25.4	31.5	37.4	41.3	39.9	34.2
(west)	min.	7.9	10.3	15.4	21.0	26.2	28.1	26.2
Rajasthan	max.	23.3	26.9	32.2	37.1	40.5	38.6	33.1
(east)	min.	8.2	10.5	15.9	21.4	26.5	27.5	25.4
NCR	max.	22.1	25.4	31.1	36.8	40.6	39.5	34.2
	min.	7.5	9.9	15.2	20.7	25.8	27.7	25.9

Station		Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Haryana	max.	33.8	34.3	32.9	28.2	23.1	31.5
(including NCT)	min.	25.4	23.7	17.5	11.0	7.4	17.7
Uttar Pradesh	max.	32.5	33.1	32.7	28.7	24.0	31.9
(west)	min.	25.4	24.3	18.9	11.9	8.4	18.7
Rajasthan	max,	31.3	32.5	33.2	29.5	25.5	32.0
(east)	min.	24.3	23.3	18.6	11.9	8.8	18.5
NCR	max.	32.5	33.3	32.9	28.8	24.2	31.8
	min.	25.0	23.8	18.3	11.6	8.2	18.3

Source: NCRPB, 'Study on Drainage System and Flood Control Including Water Resources in National Capital Region," October 1994

Seasonal and annual rainfall

Period: 1941-1990

Unit: mm

		Winter			Sumi	mer	
Station	Dec.	Jan.	Feb.	Mar.	Apl.	May	June
Delhi University	6.69	22.60	17.42	19.19	14.67	19.02	62.26
Delhi Safdarjang	7.00	21.39	16.23	14.93	11.44	17.27	54.55
Sonipat	4.72	17.20	12.32	13.41	7.58	12.43	42.06
Bagpat	4.37	18.60	15.68	11.31	4.91	11.10	38.25
Meerut	9.55	20.38	17.03	16.49	11.28	14.04	51.20
Gaziabad	5.62	19.54	13.53	14.54	5.68	10.38	37.12

]	Monsoon	T	Post mo	nsoon	Annual
Station	July	Aug.	Sep.	Oct.	Nov.	total
Delhi University	259.69	254.54	127.16	33.38	3.81	840.43
Delhi Safdarjang	226.71	223.78	136.65	26.14	3.79	759.88
Sonipat	219.50	194.04	101.95	20.05	3.70	648.96
Bagpat	176.06	194.25	93.01	17.44	3.35	588.33
Meerut	252.12	279.60	130.41	29.46	3.68	835.24
Gaziabad	190.28	199.92	106.55	27.37	3.22	633.75

Source: NCRPB, "Study on Drainage System and Flood Control Including Water Resources in National Capital Region," October 1994

Normal rainfall comparison of 50 years

Unit: mm

		1901 -	1950	
Station	Jan.	May	July	Annual
Delhi	20.80	9.70	186.20	660.10
Sonipat	20.30	12.70	157.20	535.50
Meerut	13.20	15.20	229.90	810.90
Gaziabad	22.10	12.70	172.70	596.40

		1941 -	1990			
Station	Jan.	May	July	Annual	Difference	%
Delhi	21.39	17.27	226.71	759.88	99.78	15%
Sonipat	17.10	12.43	219.50	648.96	113.46	21%
Meerut	20.38	14.04	252.12	835.12	24.22	3%
Gaziabad	19.54	10.38	190.28	633.74	37.34	6%

Source: NCRPB, "Study on Drainage System and Flood Control Including Water Resources in National Capital Region," October 1994

Related humidity

Unit: %

Station		Jan.	Feb.	Mar.	Apl.	May	June	June
Delhi Safdarjang	08:30	72	59	47	32	31	48	73
	17:30	41	28	21	16	18	32	60
Mecrut	08:30	78	65	56	39	38	54	79
	17:30	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Gurgaon	08:30	75	69	60	45	43	56	77
	17:30	48	42	35	25	28	39	66

Station		Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Delhi Safdarjang	08:30	77	70	54	48	63	56
	17:30	65	54	35	31	38	37
Meerut	08:30	83	76	69	63	73	64
	17:30	N/A	N/A	N/A	N/A	N/A	N/A
Gurgaon	08:30	82	72	59	64	71	64
	17:30	71	58	40	43	46	45

Source: NCRPB, "Study on Drainage System and Flood Control Including Water Resources in National Capital Region," October 1994

Mean maximum and minimum relative humidity

Unit: %

and the second s								
Sub-region		Jan.	Feb.	Mar.	Apl.	May	June	June
Haryana	morning	76	68	56	40	37	51	75
(including NCI)	evening	46	38	30	22	21	33	61
Uttar Pradesh	morning	76	66	51	36	35	52	79
(west)	evening	49	37	27	21	22	38	69
Rajasthan	morning	66	55	41	33	37	56	77
(east)	evening	39	30	24	21	23	39	64
NCR	morning	72.7	63.0	49.3	36.3	36.3	53.0	77.0
	evening	44.7	35.0	27.0	21.3	22.0	36.7	64.7

Station		Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Haryana	morning	80	75	63	60	72	63
(including NCT)	evening	67	57	40	38	44	41
Uttar Pradesh	morning	84	78	66	61	71	63
(west)	evening	76	65	46	40	47.	45
Rajasthan	morning	82	75	57	56	63	58
(east)	evening	70	60	37	35	39	40
NCR	morning	82.0	76.0	62.0	59.0	68.7	61.3
	evening	71.0	60.7	41.0	37.7	43.3	42.0

Source: NCRPB, "Study on Drainage System and Flood Control Including Water Resources in National Capital Region," October 1994

Mean wind speed

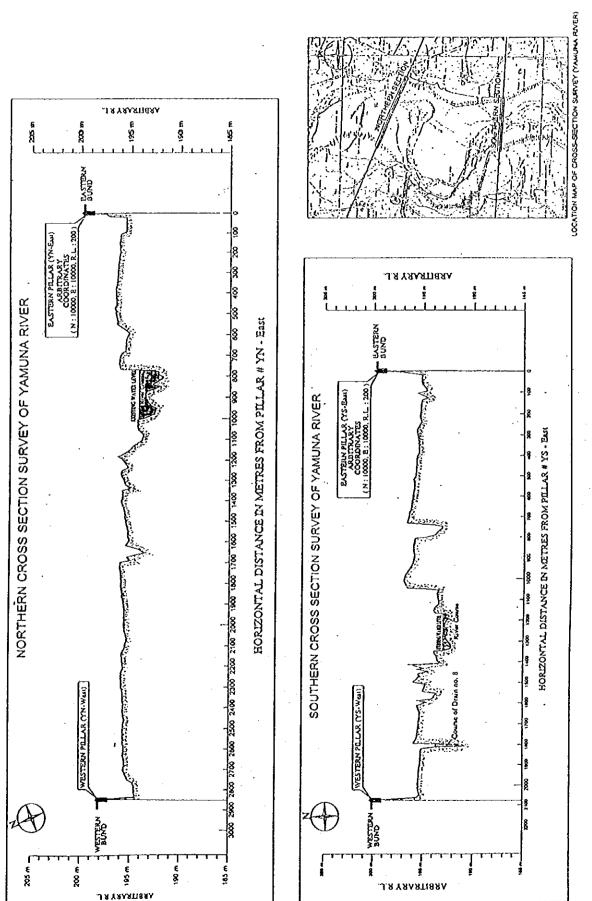
Unit: km/h Unit: (m/s)

							Uni	ı. (111/3 <i>)</i>
Sub-region		Jan.	Feb.	Mar.	Apl.	May	June	June
Haryana	km/h	6.5	7.7	8.5	8.5	9.8	11.1	9.0
(including NCT)	(m/s)	(1.8)	(2.1)	(2.4)	(2.4)	(2.7)	(3.1)	(2.5)
Uttar Pradesh	km/h	4.9	7.2	7.1	7.7	8.6	8.9	7.1
(west)	(m/s)	(1.4)	(2.0)	(2.0)	(2.1)	(2.4)	(2.5)	(2.0)
Rajasthan	km/h	11.0	11.5	12.0	13.1	16.5	17.8	16.2
(east)	(m/s)	(3.1)	(3.2)	(3.3)	(3.6)	(4.6)	(4.9)	(4.5)
NCR	km/h	7.5	8.8	9.2	9.8	11.6	12.6	10.8
	(m/s)	(2.1)	(2.4)	(2.6)	(2.7)	(3.2)	(3.5)	(3.0)

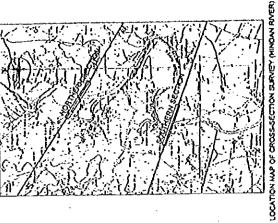
Station		Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Haryana	km/h	7.5	7.1	5.3	5.3	5.8	7.7
(including NCT)	(m/s)	(2.1)	(2.0)	(1.5)	(1.5)	(1.6)	(2.1)
Uttar Pradesh	km/h	5.9	6.0	4.4	4.4	3.7	6.3
(west)	(m/s)	(1.6)	(1.7)	(1.2)	(1.2)	(1.0)	(1.8)
Rajasthan	km/h	12.4	12.3	10.0	7.6	8.1	12.4
(east)	(m/s)	(3.4)	(3.4)	(2.8)	(2.1)	(2.3)	(3.4)
NCR	km/h	8.6	8.5	6.6	5.8	5.9	8.8
	(m/s)	(2.4)	(2.4)	(1.8)	(1.6)	(1.6)	(2.4)

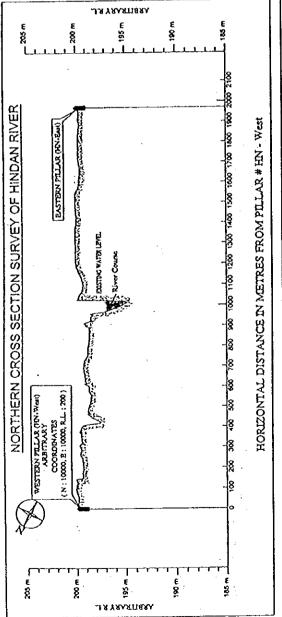
Source: NCRPB, "Study on Drainage System and Flood Control Including Water Resources in National Capital Region," October 1994

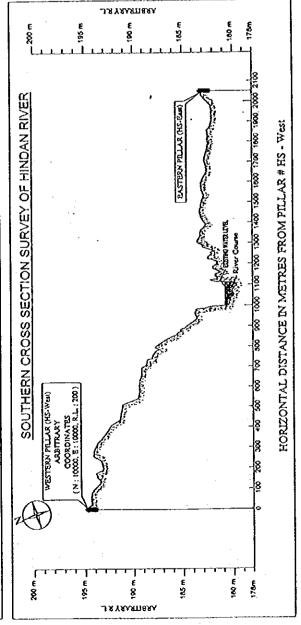
Appendix 7.2: River Cross Sections for Yamuna and Hindan Rivers (for Alternative Routes



River Cross Sections for Yamuna River







River Cross Sections for Hindan River

Appendix 7.3(1): Kundli - Ghaziabad Expressway Horizontal Alignment Alternatives Horizontal Alingment

Kundli -	Ghaziabad	Kundli - Ghaziabad : Alternative Route	e Route 1	Kundli -	Ghaziabad	Kundli - Ghaziabad : Alternative Route 2	Route 2	Kundli -	Ghaziabad	Kundli - Ghaziabad : Alternative Route 3	e Route 3
Station	Design	Design Element	Length(m)	Station	Design	Design Element	Length(m)	Station	Design	Design Element	Length(m)
000+0	ВР	R=-7,000	1,300	1,300 0+000	BP	R=-7,000	1,300	1,300 0+000	BP	R=-7,000	1,300
1+300	PRC2	R= 8,000	3,630	3,630 1+300	PRC2	R= 2,500	3,709	1+300	PRC2	R= 8,000	3,630
4+930	PT2	Tangent	1,250	600+5	PT2	Tangent	2,740	2,740 4+930	PT2	Tangent	1,250
6+180	PC3	R=17,500	4,276	4,276 7+749	PC3	R=-5,000	5,760	5,760 6+180	PC3	R=17,500	4,276
10+456	PT3	Tangent	3,000	000 13+509	PT3	Tangent	2,640	2,640 10+456	PT3	Tangent	3,000
13+456	PC4	R=10,000	2,617	2,617 16+149	PC4	R=10,000	4,887	4,887 13+456	PC4	R=10,000	2,617
16+073	PT4	Tangent	2,580	2,580 21+036	PRC5	R=-4,000	2,094	2,094 16+073	PT4	Tangent	1,320
18+653	PCS	R= 9,000	5,969	5,969 23+130	PT5	Tangent	980	980 17+393	PCS	R= 5,000	5,061
24+622	PRC6	R=-7,000	3,421	3,421 24+110	PC6	R=2,500	1,920	1,920 22+454	PTS	Tangent	2,820
28+043	PRC7	R= 4,000	2,793	2,793 26+030	PRC7	R=-4,000	2,513	2,513 25+274	PC6	R=-3,000	3,142
30+836	PT7	Tangent	2,450	2,450 28+543	PRC8	R=2,000	2,513	2,513 28+416	PRC7	R=2,000	2,513
33+286	PC8	R=-3,500	2,138	2,138 31+056	PT8	Tangent	2,300	2,300 30+929	PT7	Tangent	2,300
35+424	PRC9	R=2,500	2,225	2,225 33+356	PC9	R=-2,000	2,129	2,129 33+229	PC8	R=-2,000	2,129
37+649	PT9	Tangent	1,660	660 34+485	PT9	Tangent	1,000	1,000 35+358	PT8	Tangent	1,000
39+309	PC10	R=3,000	1,937	1,937 36+485	PC10	R=2,500	2,138	36+358	PC9	R= 2,500	2,138
41+246	EP			38+623	PT10	Tangent	2,700	2,700 38+496	PT9	Tangent	2,700
				41+323	PC11	R=2,000	2059	2059 41+196	PC10	R= 2,000	2,059
				43+382	EP(PT11)			43+255	EP(PT10)		

Appendix 7.3(2): Ghaziabad - Meerut Expressway: Hirizontal Alignment for Alternatives Horizontal Alinement

1,396 960 1,963 1,571 2,340 1,955 2,920 2,985 2,793 1,885 Length(m) 2,374 Ghaziabad - Meerut : Alternative Route 1-2 Ghaziabad - Meerut : Alternative Route 2-1 3,054 1,860 1,640 2,025 2,234 1,830 1,400 R=-2,000 R=10,000 R = 1,500R=-7,500 R=-4,500 R=3,500R=2,500R=-5,000 R=-2,000 R=-2,000 R = 4,000R=-2,000 Tangent R = 2,000Tangent Tangent Tangent Tangent Design Element Tangent Tangent PRC13 PRC10 PRC11 PRC2 PRC6 PRC9 PRC7 PT11 PC12 PT12 PC1 PI2PC3PT3 PC4 PT4 <u>7</u> **2**0% PT7 BP EP Station 34+000 35+885 3,910 10+285 2,580 13+205 1,400 18+983 37+285 3,351 16+190 2,720 27+911 29+936 25+537 1,140 31+170 3,211 22+037 2,000 23+897 41+055 1,571 1+496 100 0+000 1,396 0+100 960 3+067 1,963 4+027 2,340 5+990 1,955 8+330 Length(m) 6,283 3,927 R=20,000 R=-2,000 R=1,500R=-7,500 R=-7,000 R=-4,000 R = 3.500R=4,000R=-5,000 Design Element Tangent Tangent Tangent Tangent Tangent Tangent Tangent Tangent PRC2 **PRC5** PT2 ద్ద PT3 72 PC1PTSPC6 PT6 PC7 PCS PT8 PC9 PT7 **PT9** BP EР Station 1,400 20+126 3,211 21+526 1,300 33+020 3,910 10+285 2,580 14+195 3,351 16+755 2,000 24+737 6,283 26+737 1,955 35+740 39+667 40+807 100 0+000 1,396 0+100 1,571 1+496 960 3+067 2,340 5+990 1,955 8+330 1,963 4+027 Ghaziabad - Mecrut : Alternative Route 1-1 Length(m) 3,770 R=-2,000 R=20,000 R=-7,500 R = 1.500R = 3,500R=-7,000 R=-4,000 R=-2,000 R=10,000 R = 4,000Tangent Design Element Tangent Tangent Tangent Tangent Tangent Tangent PRC10 PRC2 **PRC5** PC4 Γ P12 ద్ద **PT3** PTS PC6 PT6 $\frac{P}{8}$ PT8 PC9 PC7 PT7 BP ΕP Station 10+285 14+195 16+755 20+126 21+526 24+737 26+737 33+020 34+320 36+275 000+0 40+045 1+496 3+067 5+990 8+330 0+1004+027

Horizontal Alingment

	200000000000000000000000000000000000000	TO THE CHARGE THE PROPERTY OF THE COURSE									
Ghaziaba	d - Meerut	Ghaziabad - Meerut : Alternative Route 2-2			l - Meerut	Ghaziabad - Meerut : Alternative Route 3-1	_	Ghaziabad	- Meerut	Ghaziabad - Meerut : Alternative Route 3-2	Route 3-2
Station	Design	Design Element	Length(m)	Station	Design	Design Element	Length(m)	Station	Design	Design Element	Length(m)
000+0	BP	Tangent	100	000+0 00	BP	Tangent	100	100 0+000	ВР	Tangent	100
0+100	PC1	R=-2,000	1,396	1,396 0+100	PC1	R=-2,000	1,396	1,396 0+100	PCI	R=-2,000	1,396
1+496	PRC2	R= 1,500	1,571	1,571 1+496	PRC2	R= 1,500	1,571	1+496	PRC2	R= 1,500	1,571
3+067	PT2	Tangent	960	960 3+067	PT2	Tangent	096	290 3+067	PT2	Tangent	096
4+027	PC3	R=-7,500	1,963	63 4+027	PC3	R=-7,500	1,963	1,963 4+027	PC3	R=-7,500	1,963
2+990	PT3	Tangent	2,340	2,340 5+990	PT3	Tangent	2,340	2,340 5+990	PT3	Tangent	2,340
8+330	22	R= 3,500	1,955	55 8+330	PC4	R= 3,500	1,955	1,955 8+330	PC4	R= 3,500	1,955
10+285	PT4	Tangent	2,920	20 10+285	PT4	Tangent	2,920	2,920 10+285	PT4	Tangent	2,920
13+205	PCS	R=-4,500	2,985	2,985 13+205	PCS	R=-4,500	2,985	2,985 13+205	PCS	R=-4,500	2,985
16+190	PRC6	R= 2,500	2,793	2,793 16+190	PRC6	R= 2,500	2,793	2,793 16+190	PRC6	R= 2,500	2,793
18+983	PRC7	R=-5,000	3,054	18+983	PRC7	R=-5,000	3,054	3,054 18+983	PRC7	R=-5,000	3,054
22+037	PI7	Tangent	1,860	1,860 22+037	PIT7	Tangent	1,860	1,860 22+037	PT7	Tangent	1,860
23+897	PC8	R=-2,000	1,640	1,640 23+897	PC8	R=-2,000	1,640	1,640 23+897	PC8	R=-2,000	1,640
25+537	PRC9	R= 2,000	2,374	2,374 25+537	PRC9	R= 9,000	5,563	5,563 25+537	PRC9	R= 9,000	5,563
27+911	PRC10	R=-2,000	2,025	2,025 31+100	PRC10	R=20,000	2,500	2,500 31+100	PRC10	R=20,000	2,500
29+936	PRC11	R= 4,000	2,234	2,234 33+600	PT10	Tangent	1,300	1,300 33+600	PT10	Tangent	2,720
31+170	PT11	Tangent	3,000	3,000 34+900	PC11	R=-2,000	1,955	1,955 36+320	PC11	R=-5,000	3,927
35+170	PC12	R=-5,000	3,752	752 36+855	PRC11	R=10,000	3,770	3,770 40+247	PT11	Tangent	1,140
38+922	PT12	Tangent	2,700	2,700 40+625	EP			41+387	EP		
41+622	EP										

Appendix 7.4(1): Crossing Facility List for Proposed Optimum Route (K-G Expressway)

Kundli - Ghaziabad : Alternative Route 1	Kundli -	Ghaziabad	: Alternative	Route 1
--	----------	-----------	---------------	---------

Station	Fill Heigh	Crossing Facility	Requir	ement	Remarks
0+00	4m	National Highway No.1	Bridge	L=100m	
0+700	4m	Village Road		L=10m	
2+100	4m	1L Minor (Distributary)	Bridge	L=10m	Including Farm Road
3+400	4m	Village Read	Bridge	L=10m	
4+100	4m	Farm Road	Box Culvert		Relocation L=400m
4+900	4m	Farm Road	Box Culvert		
5+400	4m	Drain (Small)	Pipe Culvert	D1m*2Nos	
6+100	4m	Farm Road	Box Culvert		
7+100	4m	Village Road	Bridge	I.=10m	
8+000	4m/5m	Farm Road	Box Culvert		
9+500	5m	Drain (Small)	Pipe Culvert	D1m*2Nos	
10+400	5m(2m)/7m	Left Bank Road	Box Culvert		Relocated to outside of river
12+400	7m	Yamuna River	Bridge	L=600m	
13+400	7m/2m	Right Bank Road	Box Culvert		Relocated to outside of river
14+000	2m	State Highway No.57	Bridge	L=40m	
16+300	2m	Farm Road	Box Culvert		
17+500	2m	Farm Road	Box Culvert		
18+500	2m	Northen Railway	Bridge	L=11m	Shahadra Saharampur Branch
19+400	2m	Khekra Distributary	Bridge	I.=10m	Including Farm Road
19+500	2m	Basi Drain	Pipe Culvert	D1m*2Nos	
19+700	2m	Mitli Distributary	Bridge	L=10m	
22+000	2m	Eastern Yamuna Canal	Bridge	L=27.7m	Inculding roads of both sides
22+200	2m	Village Road	Bridge	L=10m	Relocation L=500m
22+700	2m	Duala Drain	Bridge	L=10m	
25+300	2m	Farm Road	Box Culvert		
25+500	2m	Duala Drain	Bridge	L=10m	Relocation L=1,000m
26+500	2m	Village Road	Bridge	L=10m	
29+200	2m	Village Road	Bridge	L=10m	
30+600	2m	Village Road	Bridge	L=10m	
31+200	2m	Village Road	Bridge	L=10m	· · · · · · · · · · · · · · · · · · ·
32+000	2m/5m		<u>-</u>	-	
33+150	5m/2m	Hindan River	Bridge	L=200m	
34+500	2m/5m	Village Road	Bridge	L=10m	·
36+500	5m	Sonda Drain	·	D1m*2Nos	
36+700	5m	Branch of Sonda Drain		D1m*1No	
37+800	·	Village Road	Bridge	L=10m	
39+500		Bhikampur Drain		D1m*3Nos	· · · · · · · · · · · · · · · · · · ·
39+600	·	Disrict Road	Bridge	L=10m	
40+000		Sultampur Minor Distributary	Bridge	L=10m	Including Farm Road
41+246	2m	End Point		<u> </u>	

Appendix 7.4(2): Crossing Facility List for Proposed Optimum Route (G-M Expressway)

Ghaziabad - Mecrut : Alternative Route 1-1

Station	Fill Heigh	Crossing Facility	Requi		Remarks
0+00	2m				
0+500	2m/5m				
1+750	5m		Pipe Culvert	D1m*2Nos	Rip-rap at river side
1+800	5m		r ipo curron	D1111 21103	
1+900	5m	Village Road	Bridge	L=10m	New Town Area
2+700	5m	Farm Road	Box Culvert		Town / Med
3+800	5m/2m	Village Road		L=10m	
5+600	2m	Village Road	Bridge	L=10m L=10m	
6+200	2m	Sultanpur Minor		L=10m	
6+600	2m	Branch of Sutanpur Minor	Pipe Culvert		
6+900	2m	Branch of Sutanpur Minor	Pipe Culvert		
7+300	2m	Farm Road	Box Culvert		

7+400	2m	Branch of Sutanpur Minor	Pipe Culvert		
8+100	2m	Branch of Sutanpur Minor	Pipe Culvert		
9+000	2m	Branch of Sutanpur Minor	Pipe Culvert		
10+000	2m	Farm Road	Box Culvert		
10+800	2m	Village Road		L=10m	
11+000	2m	Bhikampur Drain	Pipe Culvert	i————	
11+500	2m	District Road	Bridge	L=10m	Relocation L=500m
13+100	2m	Tikri Distributary	Bridge	L=10m.	
15+100	<u>2m</u>	Village Road	Bridge	L=10m	<u></u>
16+300	2m	Major District Road	Bridge	L=10m	
17+300	2m	Farm Road	Box Culvert		
19+000	2m	Farm Road	Box Culvert		
20+000	2m/3m	Farm Road	Box Culvert		
20+900	3m	Upper Ganga Canal	Bridge	L=100m	
21+500	3m	Farm Road	Box Culvert		
22+800	3m/2m	Jalalabad Distributary	Bridge	L=10m	
24+000	2m	Village Road	Bridge	L=10m	
25+000	2m	Sherpur Minor (Distributary)	Bridge	L=10m	
26+250	2m	Mawi Minor	Bridge	L=10m	
26+500	2m	District Road	Bridge	L=10m	
27+500	2m	Niwari Drain	Pipe Culvert	D1m*3Nos	
28+000	2m	Aghera Minor		L=10m	
29+700	2m	Qadiribad Drain	Pipe Culvert		
32+000	2m	Kalaniri Minor	Pipe Culvert	D1m*2Nos	
32+100	2m	Village Road	Bridge	L=10m	
32+400	2m	Dhidala Drain	Pipe Culvert	D1m*2Nos	
34+800	2m	Left Bhola Distributary	Bridge	L=10m	
35+900	2m	Farm Road	Box Culvert		
35+900	2m	Sheikhpuri Drain	Pipe Culvert	D1m*2Nos	
36+300	2m	Sheikhpuri Drain	Pipe Culvert	D1m*2Nos	
36+900	2m	Branch of Sheikhpuri Drain	Pipe Culvert		
38+700	2m	Village Road		L=10m	Relocation L=200m
38+800	2m	Sheikhpuri Drain	Pipe Culvert		
39+500	2m	Puth Distributary	Bridge	L=10m	
40+045	2m	End Point			