

# Initial Environmental Examination

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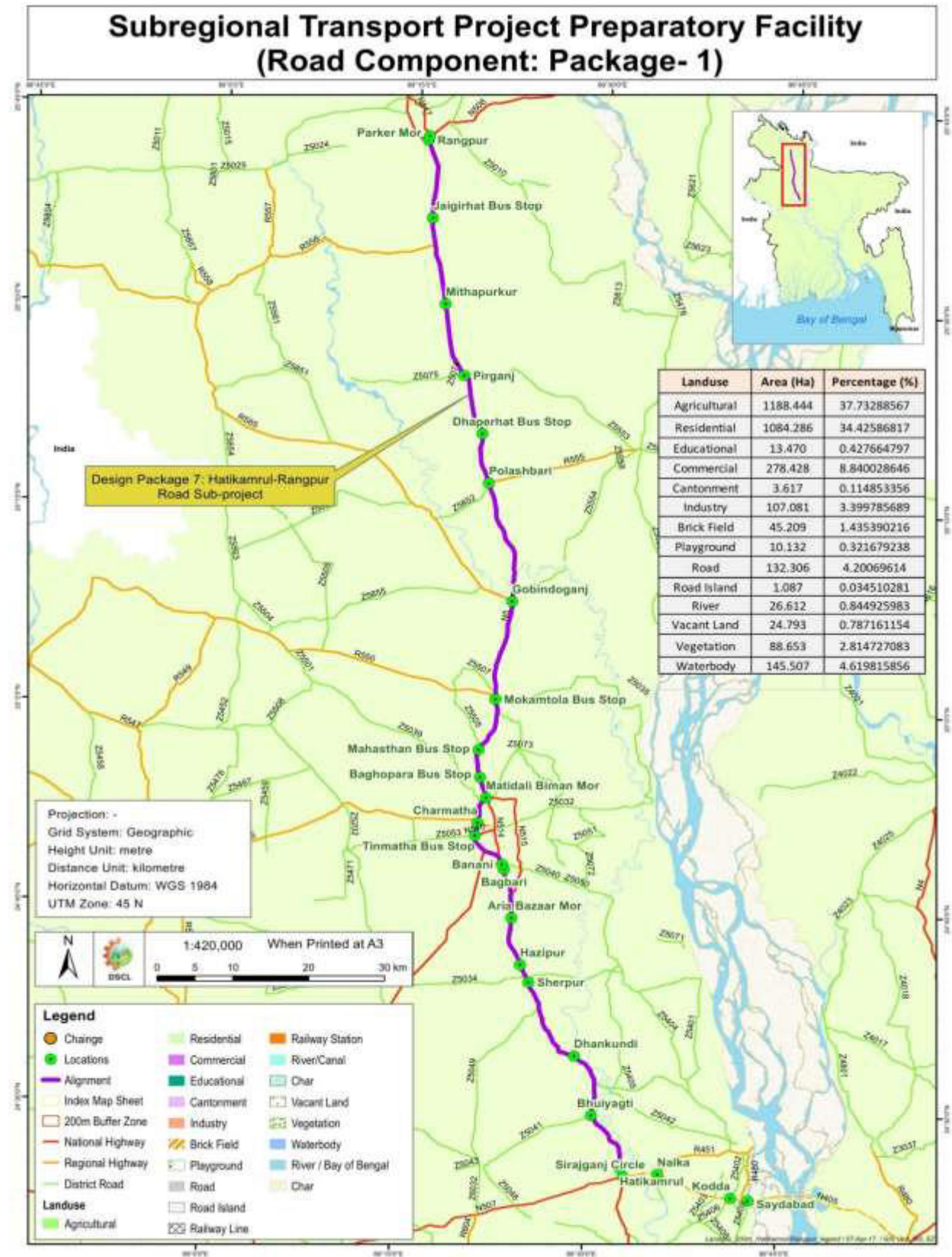
May 2017

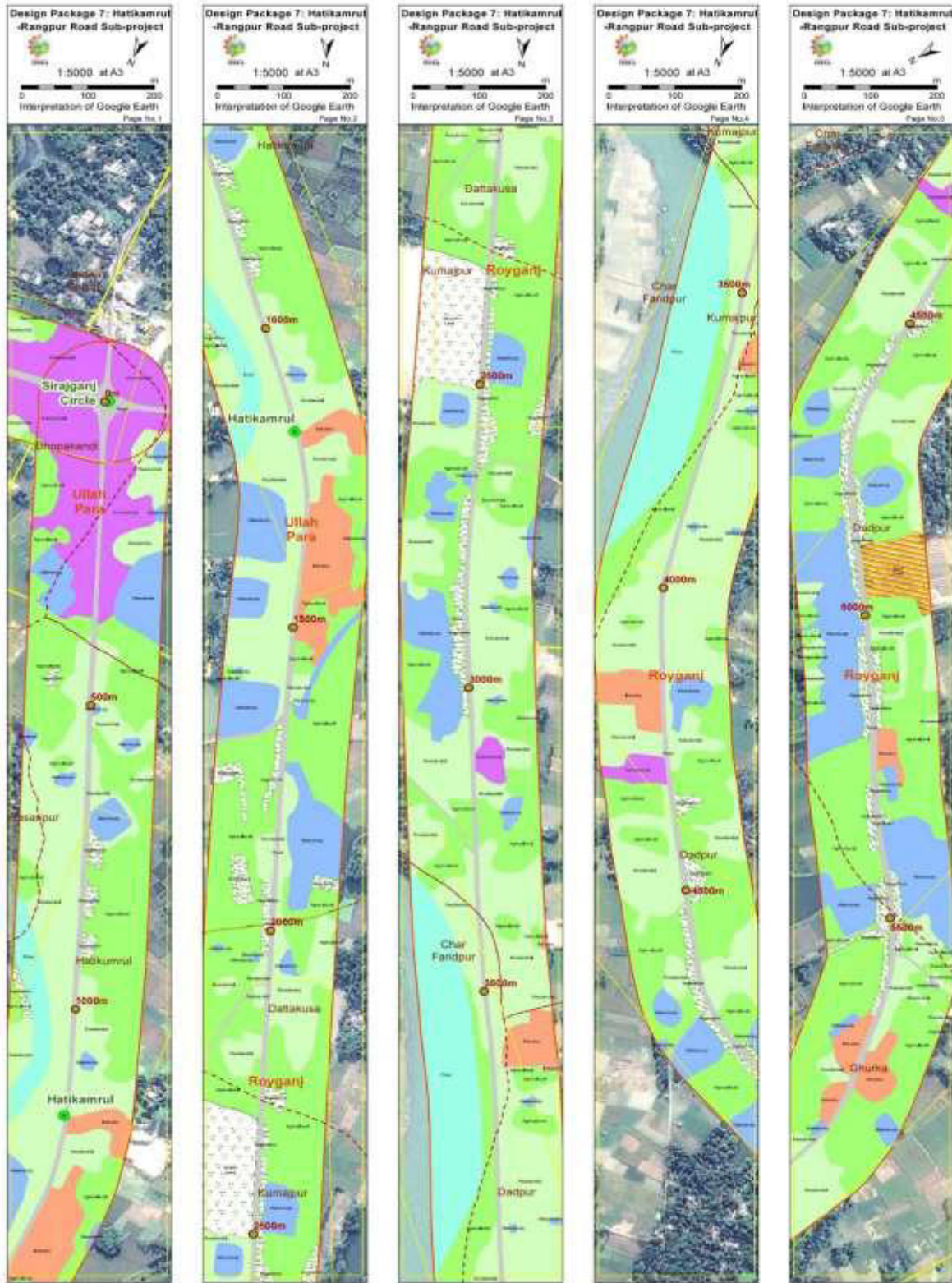
## BAN: South Asia Subregional Economic Cooperation Dhaka – Northwest Corridor Road Project, Phase 2

Hatikamrul - Rangpur Road

Appendices H-M (Part 3 of 3)

APPENDIX H: LAND USE OF THE PROJECT ROAD AREA











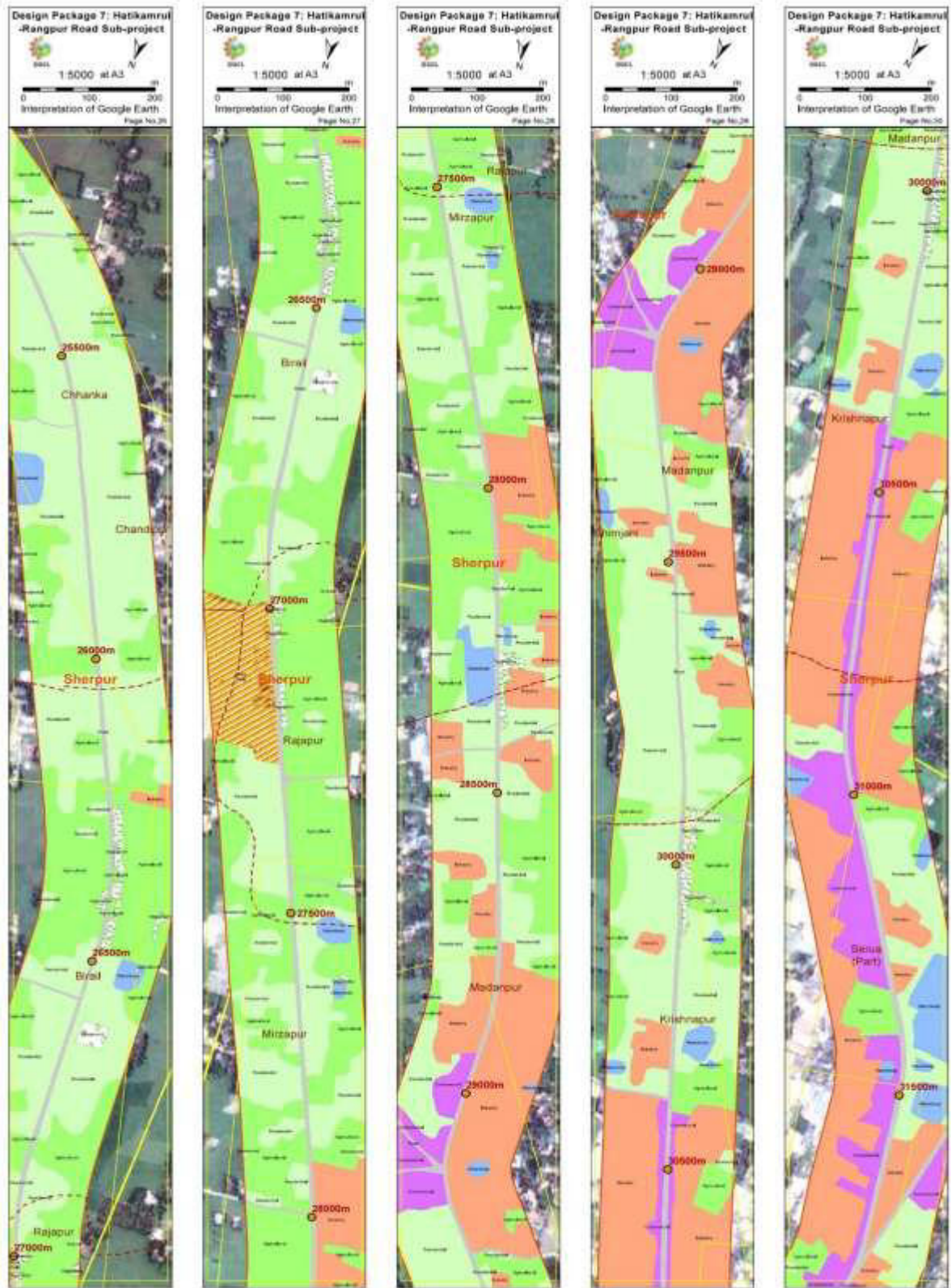




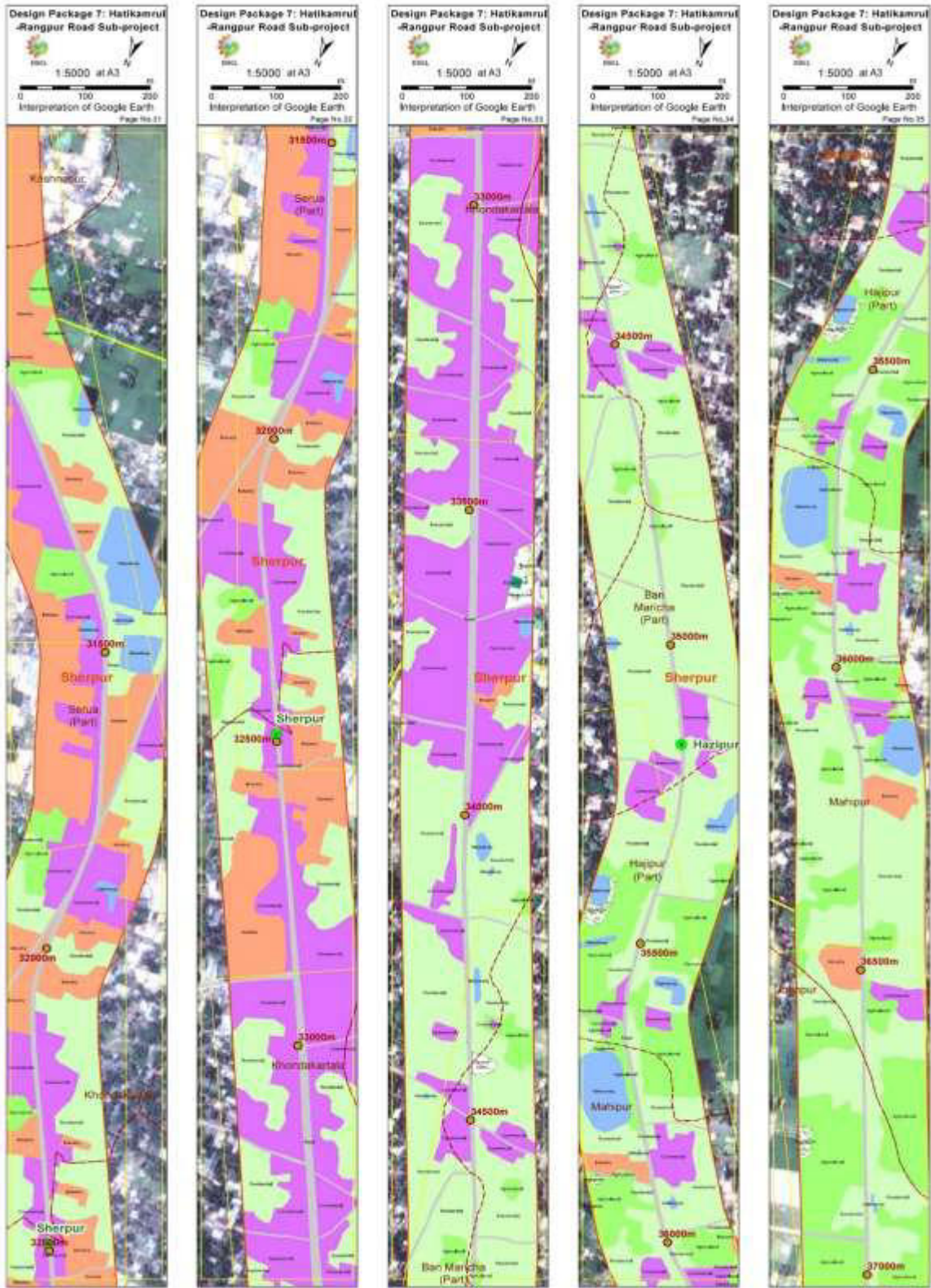




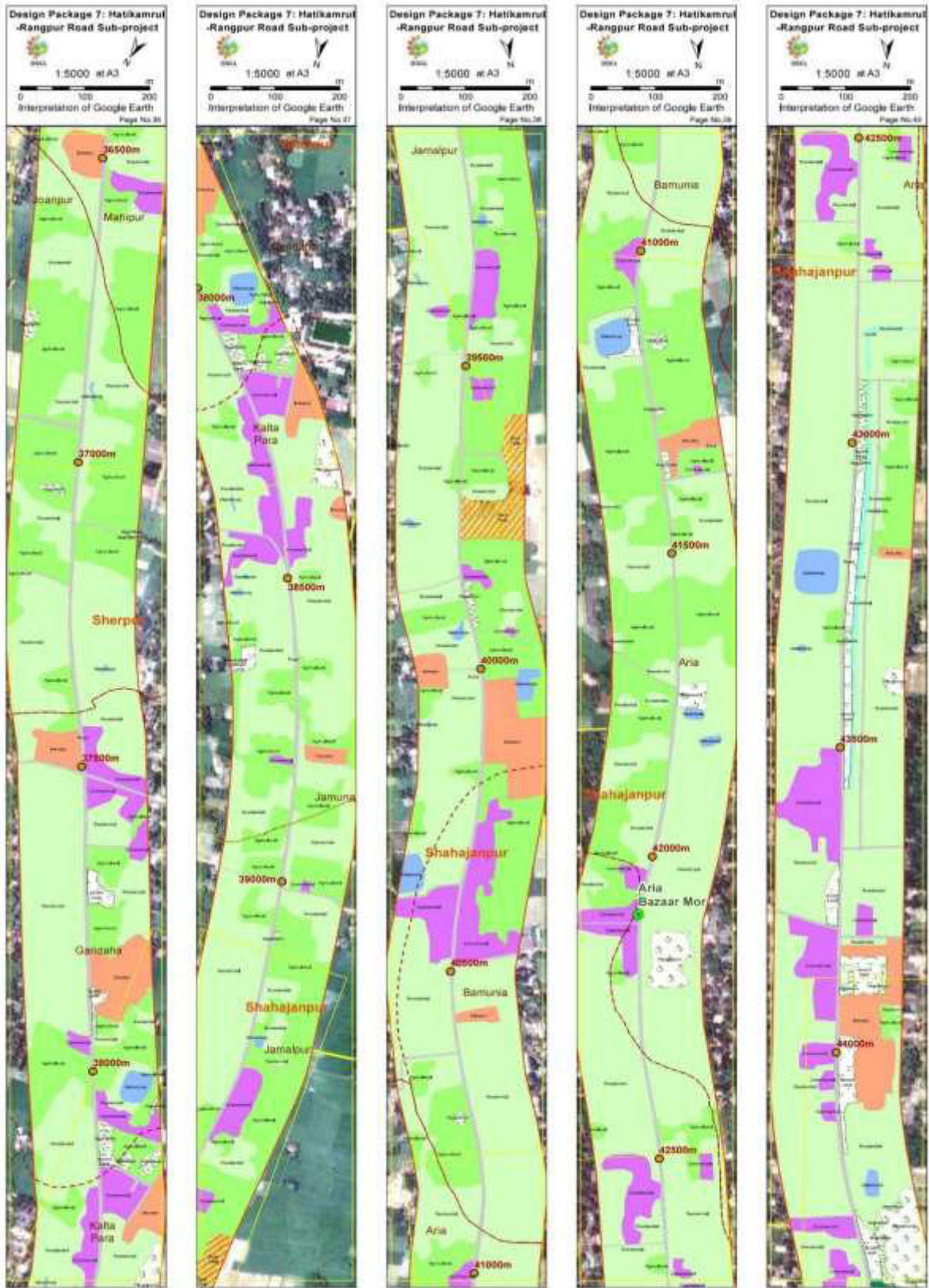








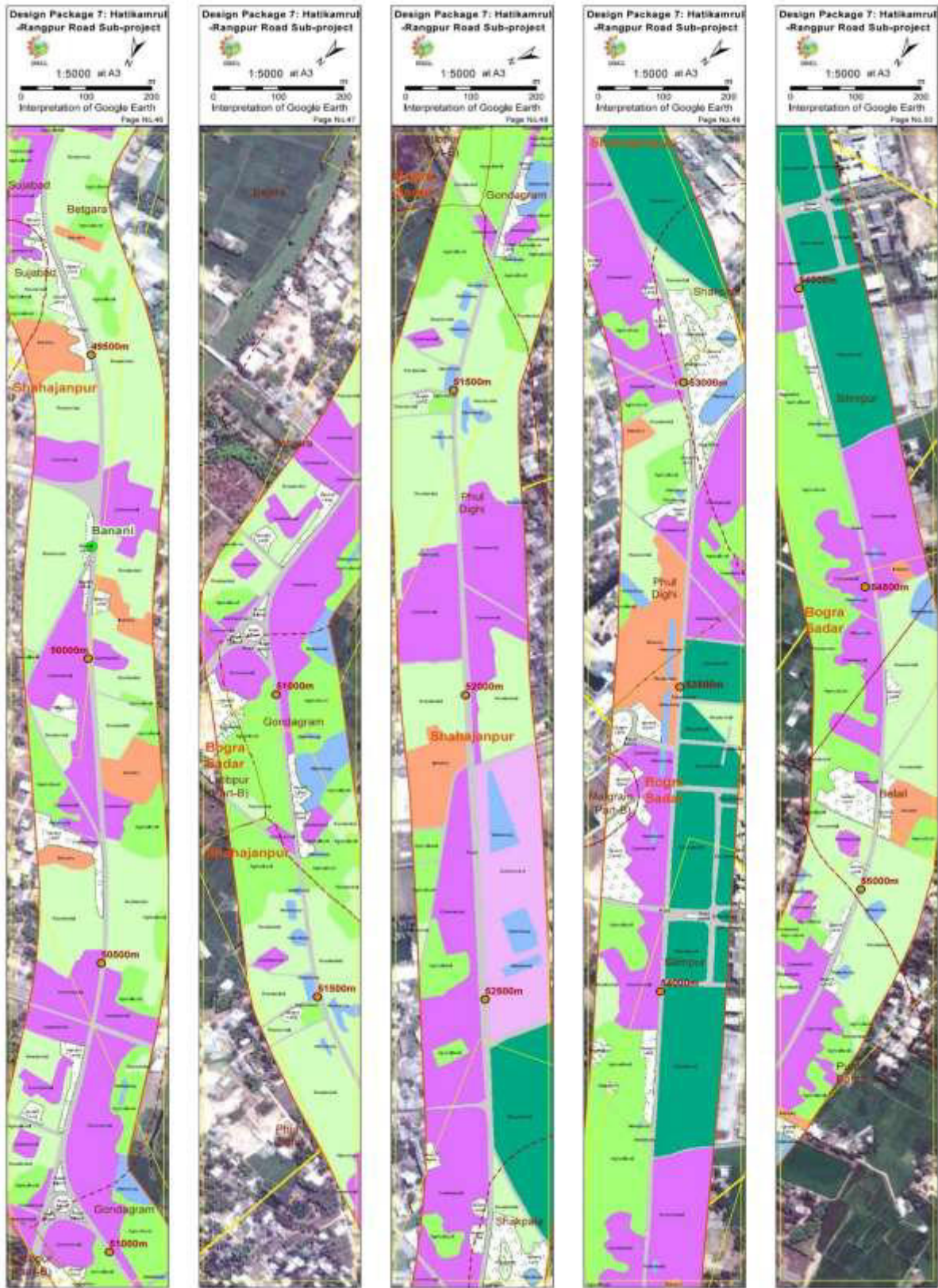








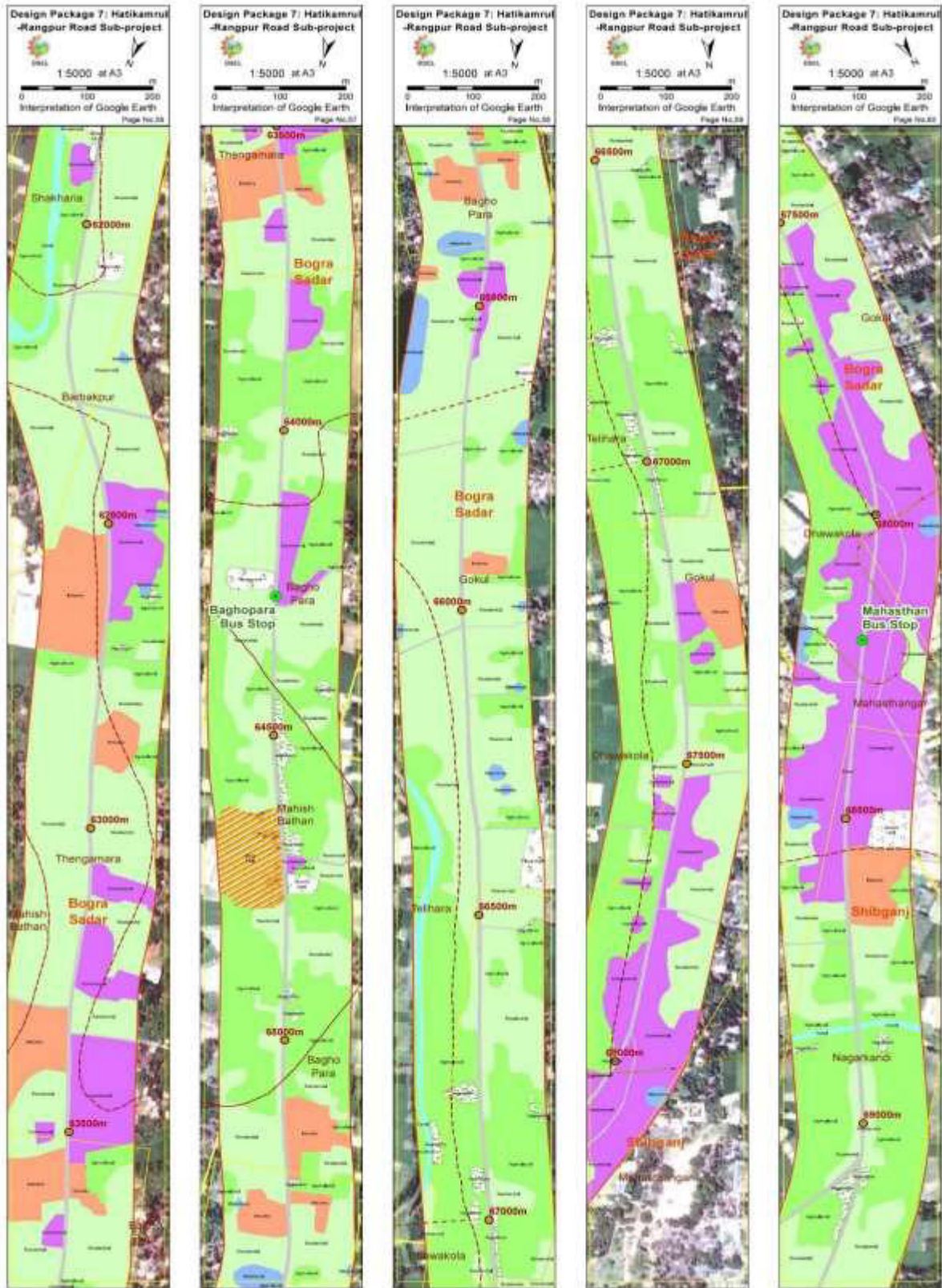








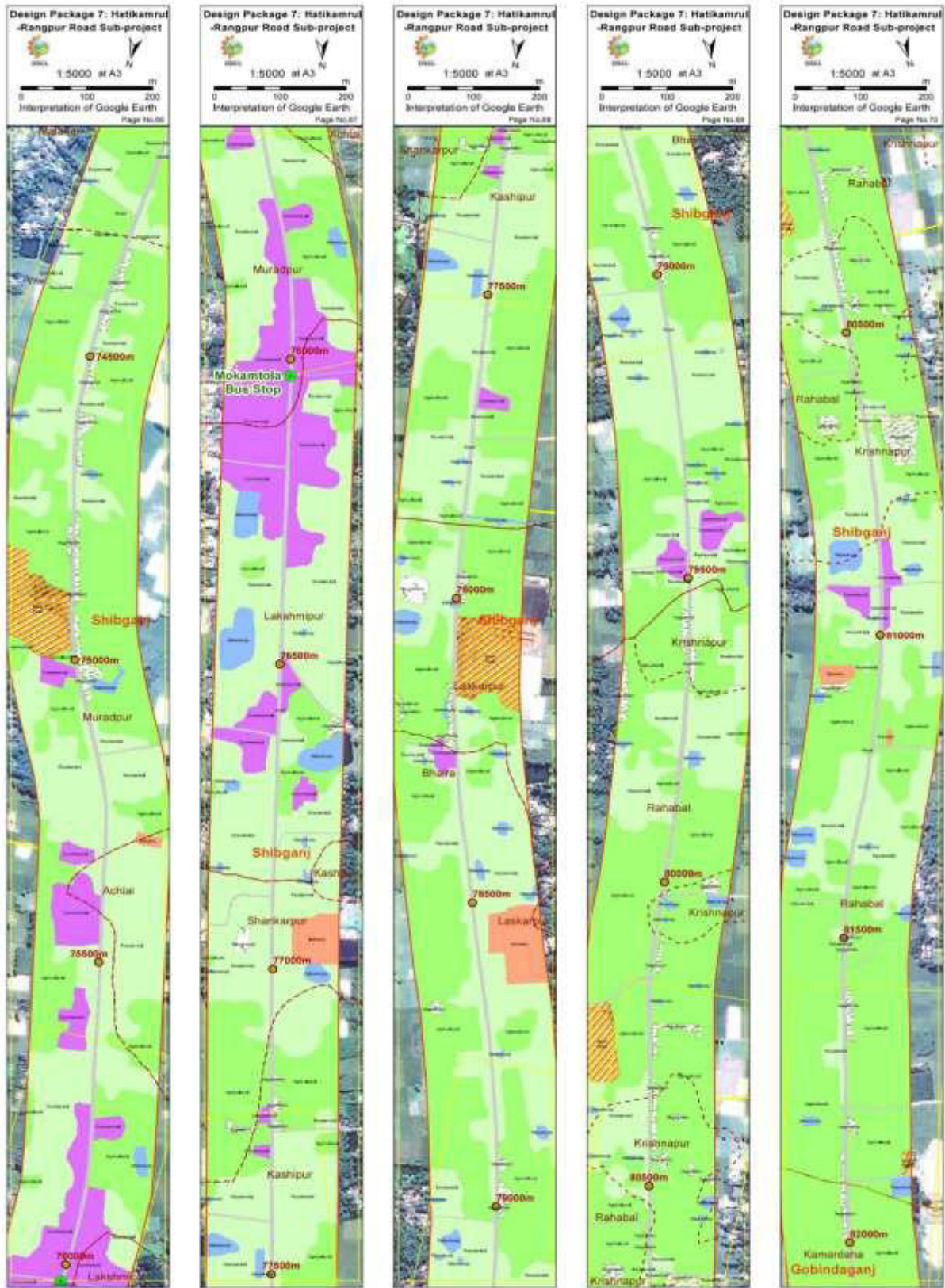












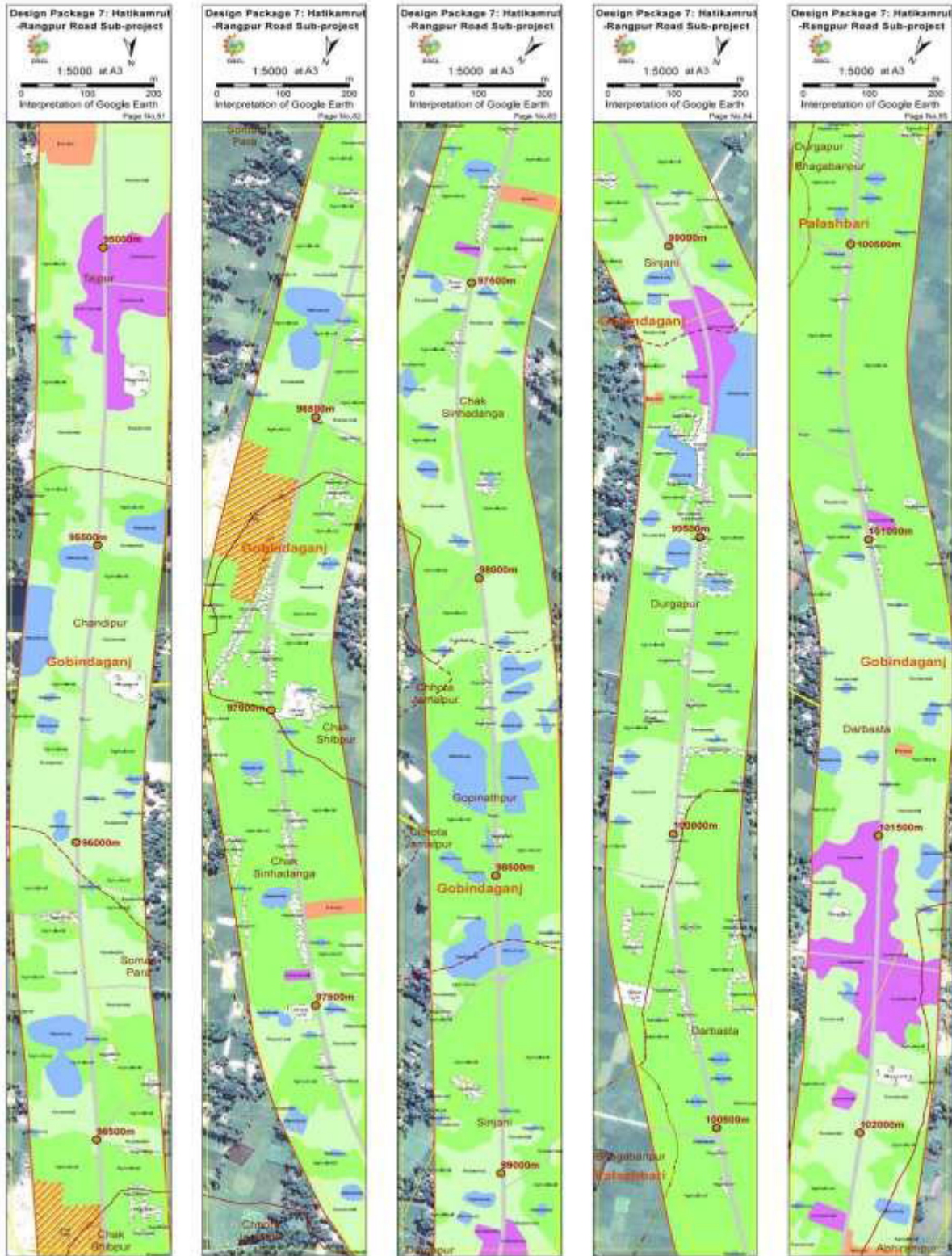




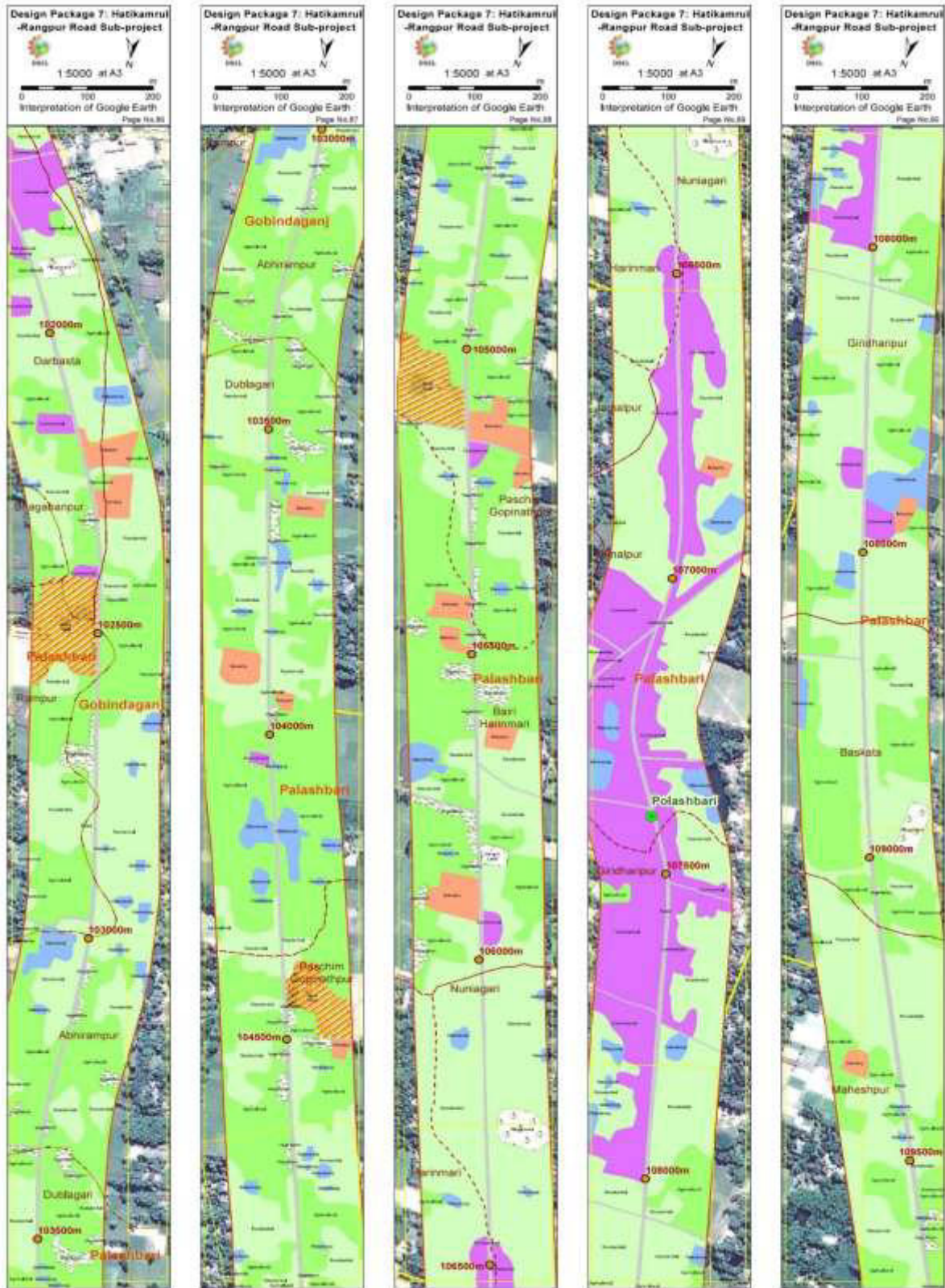














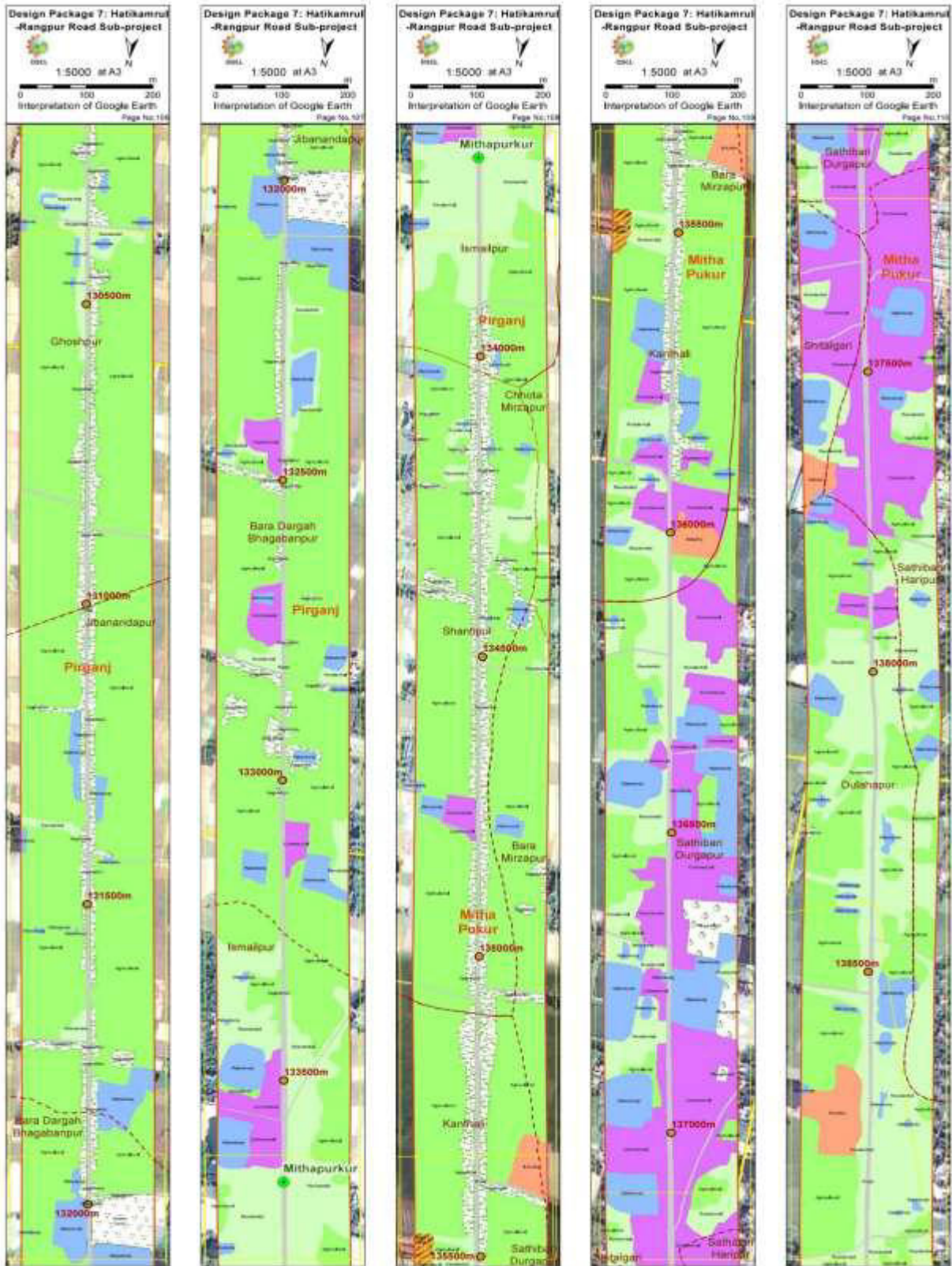






















## APPENDIX I: LIST OF IESFS ALONG THE ROW

IECs	Within the RoW		From Boundary of the RoW to 500meter			
	Chainages (km) Right	Chainages (km) Left	Chainages (km) Right	Distance from Alignment (m)	Chainages (km) Left	Distance from Alignment (m)
<b>Mosque</b>	1+510, 3+050, 16+300, 18+140, 19+580, 30+090, 31+560, 40+450, 43+040, 50+430, 52+460, 61+275, 62+620 72+615, 77+390, 104+850, 116+200, 118+270, 126+010, 127+450, 133+160, 141+210	12+820, 17+190, 20+370, 21+140, 25+490, 25+910, 30+375, 32+665, 33+765, 33+950, 37+290, 38+240, 40+220, 45+860, 47+690, 49+360, 54+760, 63+150, 65+395, 66+150, 70+065, 75+810, 76+200, 80+505, 84+545, 86+700, 88+820, 94+620, 97+240, 107+600, 115+450, 118+508, 147+900	1+100, 4+430, 38+240, 44+070, 45+480, 55+530, 57+230, 59+030, 59+420, 71+120, 103+965, 106+680, 115+020, 119+580, 129+440, 140+820, 141+640, 143+800, 147+780, 150+800, 154+680, 155+170, 156+180	40, 30, 40, 30, 40, 30, 100, 40, 30, 20, 80, 40, 02, 60, 400, 30, 40, 02, 05, 70, 10, 10, 05	10+130, 16+450, 22+760, 23+335, 32+440, 33+450, 35+120, 35+740, 35+960, 39+020, 43+630, 46+690, 49+510, 51+280, 51+490, 53+350, 55+090, 55+900, 56+440, 57+320, 58+250, 62+100, 65+090, 66+915, 78+160, 88+130, 93+960, 95+295, 98+825, 99+395, 101+250, 102+380, 113+930, 116+720, 122+840, 123+460, 124+035, 129+995, 135+500, 137+190, 138+520, 144+150, 148+890, 150+550, 152+610, 152+790, 152+950, 155+335	070, 050, 030, 100, 050, 050,050, 050, 300, 150, 010, 020, 020, 030, 025, 030, 100, 030,150, 010, 080, 045, 020, 200, 080, 025, 010, 050, 006, 003, 003, 007, 030, 030, 003, 002, 004, 002, 002, 005, 002, 003, 020, 020, 060, 005, 050, 050
<b>School</b>	4+000, 28+770, 33+880, 35+670, 37+460, 42+120, 42+920, 49+325, 51+400, 52+790, 62+880, 78+060, 78+870, 88+670, 90+200, 133+240	22+250, 38+560, 41+980, 48+150, 71+030, 72+405, 90+450	36+210, 41+920, 57+700, 74+480, 74+800, 77+680, 84+170, 85+350, 88+880, 90+460, 91+500, 94+935, 94+980, 95+100, 95+280, 95+300, 94+780, 103+940, 119+630, 134+400, 144+930, 145+560,	70, 50, 150, 20, 20, 30, 100, 100, 150, 70, 70, 20, 50, 30, 20, 20, 250, 100, 150, 400, 70, 15, 20, 30,	0+050, 3+600, 3+600, 5+600, 7+650, 8+580, 9+230, 16+400, 19+420, 23+410, 25+400, 25+500, 26+100, 26+650, 34+360, 35+780, 35+960, 37+480, 40+370, 42+295, 44+170, 45+830, 52+670, 66+025,	100, 030, 90, 080, 150, 80, 145, 100, 030, 040, 150, 100, 045, 400, 500, 055, 300, 150, 070, 015, 025, 015, 200, 015, 100, 015, 015, 100, 450, 015, 003, 100, 003, 100, 010, 100,



IECs	Within the RoW		From Boundary of the RoW to 500meter			
	Chainages (km) Right	Chainages (km) Left	Chainages (km) Right	Distance from Alignment (m)	Chainages (km) Left	Distance from Alignment (m)
			150+770, 152+000, 156+760	20	71+365, 71+570, 71+580, 75+810, 80+600, 82+580, 83+400, 84+680, 86+820, 89+610, 90+300, 95+395, 101+480, 101+540, 102+670, 106+115, 107+415, 108+685, 109+015, 109+005, 111+810, 113+920, 115+470, 116+520, 116+765, 118+370, 121+075, 133+260, 134+605, 137+800, 140+185, 145+040	015, 010, 050, 018, 050, 003, 008, 005, 035, 035, 070, 030, 007, 075, 150, 200, 500, 200, 005, 025
<b>College</b>	33+900, 33+950, 51+270, 62+890, 63+260, 63+950		17+400, 84+860	40, 100	17+120, 34+300, 34+360, 38+140, 44+170, 53+200, 53+700, 62+710, 62+780, 63+135, 64+740, 65+085, 68+130, 80+850, 84+385, 90+495, 116+890, 138+800, 140+540	080, 500, 500, 030, 025, 200, 030, 015, 010, 020, 020, 012, 200, 050, 450, 100, 300, 003, 050
<b>Madrasah</b>	28+020, 85+020	5+880, 24+980, 45+870, 49+650, 72+405, 107+600	25+070, 26+380, 40+080, 68+900, 75+010, 78+750, 88+490, 95+440, 18+820, 124+030, 127+440, 133+440, 140+250	60, 500, 500, 150, 25, 10, 15, 30, 70, 250, 150, 400, 50	19+250, 23+330, 35+960, 48+130, 61+350, 63+425, 63+700, 108+615	015, 070, 300, 050, 050, 400, 450, 005
<b>Training Institute</b>					46+950, 55+520, 60+380, 61+800, 62+625, 107+385	400, 050, 450, 055, 500, 450

IECs	Within the RoW		From Boundary of the RoW to 500meter			
	Chainages (km) Right	Chainages (km) Left	Chainages (km) Right	Distance from Alignment (m)	Chainages (km) Left	Distance from Alignment (m)
<b>Graveyard</b>	1+490, 29+160, 34+580, 52+840, 63+070, 63+400, 64+040, 65+700, 69+070, 75+540, 90+840, 117+025	30+025, 54+800, 65+510, 65+990	4+330, 18+270, 28+400, 39+420, 41+780, 46+500, 63+440, 94+140, 98+450, 99+750 104+160, 108+750, 110+200, 115+580, 117+100, 117+570, 117+960, 138+690, 144+920, 145+190, 153+580, 153+680	30, 70, 40, 20, 50, 50, 20, 70, 60, 20, 100, 100, 10, 20, 20, 150, 100, 100, 50, 10, 70, 50,	19+350, 20+380, 32+440, 37+290, 51+160, 53+360, 62+990, 63+015, 63+360, 65+100, 65+180, 65+750, 66+085, 67+015, 71+720, 78+890, 80+445, 82+725, 86+800, 101+495, 102+590, 103+115, 115+300, 117+900, 121+130, 125+300, 125+430, 150+020, 152+830, 152+845, 153+010, 153+590, 153+630, 153+920	020, 005, 050, 020, 050, 030, 003, 050, 010, 010, 020, 005, 015, 005, 007, 006, 003, 005, 003, 004, 020, 018, 012, 013, 020, 012, 015, 040, 020, 040, 003, 050, 020, 070
<b>Mazar</b>	63+200, 64+400, 66+210,	64+005, 151+915, 155+300, 151+015	103+570, 133+180	50, 05,	67+650, 71+650, 85+515, 148+890	200, 005, 050, 020
<b>Temple</b>			17+440, 102+020, 113+730, 136+940,	70, 20, 40, 20	6+550	150
<b>Eidgah</b>	0+880, 39+620, 52+990, 64+930, 71+425, 80+560, 134+380, 153+640	8+200, 20+430, 26+420, 29+700, 38+285, 66+415, 70+200, 87+835, 115+445, 139+960, 144+630, 145+520	77+660, 97+260, 105+100, 121+540, 132+380, 148+840, 155+320	30, 350, 150, 06, 20, 05, 150,	22+420, 28+080, 85+515, 108+190, 126+970	150, 040, 050, 003, 016
<b>Boddhobhumi</b>					152+850	350
<b>UP Office</b>			85+070	200		
<b>Asrom</b>					6+190, 28+980	100, 010
<b>Filling Station</b>	8+660, 30+840, 34+080, 48+530, 49+040, 54+840, 55+200, 58+670, 58+850, 59+085, 61+300, 62+315, 62+360, 67+580,	1+390, 5+710, 28+490, 32+060, 39+140, 39+190, 50+470, 53+150, 56+600, 59+100, 74+970, 88+410, 107+070, 145+740,	24+880, 46+700, 46+780, 47+780, 48+970, 48+990, 49+160, 60+100, 61+100, 61+440, 61+580, 71+570,	30, 30, 20, 50, 50, 50, 50, 15, 20, 30, 30, 10, 10, 20, 07,	0+150, 37+500, 43+770, 46+620, 49+690, 57+350, 60+700, 64+020, 66+980, 90+170, 105+815, 123+605	030, 010, 050, 020, 020, 030, 010, 015, 007, 006, 003, 003



IECs	Within the RoW		From Boundary of the RoW to 500meter			
	Chainages (km) Right	Chainages (km) Left	Chainages (km) Right	Distance from Alignment (m)	Chainages (km) Left	Distance from Alignment (m)
	76+370, 83+580, 101+580, 137+320, 149+740	148+190, 155+560, 155+970, 156+540	114+920, 132+000, 141+110			
<b>Health Complex</b>	42+190, 63+160, 80+865,	66+205, 91+110	118+170, 140+690,	100, 100,	1+220, 33+040, 61+930, 107+150,	035, 400, 015, 050
<b>Library</b>					62+970	020
<b>Park</b>					105+370	035
<b>Power Station</b>	124+430		7+360, 8+850, 9+700 147+180,	30, 40, 40 30,	36+260, 53+410, 53+950, 108+135, 135+735, 108+135, 135+735	030, 025, 040, 015, 016, 015, 016
<b>Brick filed</b>	71+640, 71+900		11+730, 11+830, 16+050, 22+440, 22+790, 23+360, 26+920, 35+280, 64+370, 70+950, 71+260, 73+680, 78+860, 80+240, 81+540, 85+720, 102+060, 104+770, 112+110, 112+440, 134+980	30, 30, 80, 100, 30, 150, 40, 70, 30, 150, 40, 70, 100, 100, 50, 100, 50, 200, 70, 70, 70,	4+900, 10+630, 22+730, 39+520, 48+500, 70+700, 71+850, 71+195, 72+650, 73+350, 81+580, 84+940, 104+045, 111+115, 115+450, 124+385, 124+800, 128+400	200, 150, 120, 150, 100, 030, 025, 005, 050, 005, 080, 400, 003, 015, 200, 100, 500, 100
<b>Cold Storage</b>					76+600, 78+255	008, 048
<b>Wooden Garden</b>	2+040, 4+220, 8+960, 27+890, 28+050, 36+440, 36+680, 36+950, 37+520, 39+480, 39+880, 40+570, 41+500, 44+730, 48+650, 70+840, 76+740, 85+120, 86+060, 86+520, 91+860, 95+870, 100+500, 107+900, 109+300, 112+220, 113+580, 116+000,	2+220, 19+570, 92+740, 154+010	46+880, 63+660, 65+320, 67+160 90+600, 118+050, 142+680, 142+830, 142+860, 153+550, 155+500,	70, 100, 70, 50, 30, 20, 10, 20, 15, 05, 10,	38+680, 38+940, 39+690, 46+890, 47+490, 49+180, 51+850, 54+350, 62+320, 65+245, 65+450, 71+640, 72+950, 73+720, 76+100, 76+800, 80+480, 83+925, 85+05, 85+910, 92+650, 92+895, 93+700, 95+460, 95+510, 97+055, 97+595, 97+610,	030, 030, 100, 020, 020, 030, 030, 050, 060, 015, 013, 015, 080, 015, 007, 015, 005, 007, 015, 012, 005, 010, 003, 012, 010, 050, 100, 015, 015, 003, 008, 020, 018, 015, 007, 005, 006,

IECs	Within the RoW		From Boundary of the RoW to 500meter			
	Chainages (km) Right	Chainages (km) Left	Chainages (km) Right	Distance from Alignment (m)	Chainages (km) Left	Distance from Alignment (m)
	116+680, 123+640, 135+400, 139+030, 153+280,				98+510, 100+820, 101+605, 107+995, 108+550, 115+300, 115+750, 115+950, 116+200, 116+480, 117+150, 120+100, 120+750, 124+500, 125+435, 127+165, 127+440, 133+685, 139+450	004, 015, 100, 070, 002, 010, 005, 013, 200, 005
<b>Nursery</b>	36+540, 64+100, 66+430, 66+575, 67+020, 67+500, 70+410, 71+840, 101+660, 102+350, 155+020	36+140, 36+470, 37+390, 41+420, 67+000, 122+705, 152+080, 115+040, 155+100, 155+170, 115+170, 155+200	74+880, 154+960, 155+280,	15, 05, 05,	15+850, 41+320, 61+130, 64+110, 64+590, 66+250, 66+700, 66+820, 67+080, 67+110, 67+390, 76+290, 77+450, 87+230, 133+520	100, 030, 015, 010, 050, 015, 005, 010, 007, 005, 010, 010, 005, 008
<b>Hatchery</b>	146+140, 146+200, 146+260, 146+320, 146+360, 146+430, 146+510,					
<b>Industries</b>	113+380	57+750	86+460, 113+380, 117+160, 117+420, 120+520, 120+860, 137+200, 143+760, 145+600, 145+700, 147+820, 148+160, 149+160, 149+460, 154+640, 155+100	15, 05, 200, 200, 150, 100, 100, 05, 15, 20, 40, 30, 20, 10, 150, 20,		
<b>Hut / Bazar</b>	6+100-6+300, 9+850-1+000, 16+300-16+800, 25+300-25+600, 28+800-29+050, 31+500- 31+680, 32+800-33+100, 33+600-33+1800, 33+900-34+200, 35+700-35+880, 37+200- 37+400, 39+000-40+400, 63+900-64+050, 67+200-67+600, 68+260-68+600, 71+080- 71+200, 72+800-72+900, 75+700-76+200,					



IECs	Within the RoW		From Boundary of the RoW to 500meter			
	Chainages (km) Right	Chainages (km) Left	Chainages (km) Right	Distance from Alignment (m)	Chainages (km) Left	Distance from Alignment (m)
	80+500-80+700, 84+100-84+500, 88+700-90+00, 94+400-95+000, 98+700-98+880, 101+100-101+800, 106+300-107+400, 113+800-114+600, 122+700-123+020, 115+800-116+100, 133+100-133+400, 136+400-137+700, 152+300-152+600,					
<b>Road Crossing</b>	1+200, 2+590, 1+200, 2+560, 5+680, 7+640, 10+820, 12+020, 14+390, 17+550, 21+150, 28+220, 33+000, 33+295, 33+460, 33+660, 34+300, 34+485, 34+720, 34+860, 37+305, 40+270, 43+580, 50+380, 54+900, 55+410, 55+450, 55+945, 57+300, 58+255, 58+515, 59+390, 59+780, 60+920, 65+810, 68+260, 68+940, 72+440, 75+700, 78+820, 80+600, 83+880, 85+085, 88+140, 88+970, 89+220, 89+310, 89+430, 89+730, 90+150, 98+300, 99+145, 105+350, 100+755, 106+235, 106+700, 108+300, 112+300, 118+580, 124+000, 125+100, 129+950, 133+140, 134+480, 134+620, 135+490, 136+700, 138+520, 140+475, 144+700, 150+750, 151+315, 153+650, 155+340					
<b>Sculpture/ Monuments</b>			1+680, 8+900	500, 100		
<b>Pond</b>	17+480, 28+100, 31+150, 35+540, 40+910, 43+000, 47+600, 47+880, 65+100, 69+300, 72+950, 82+540, 90+340, 91+650, 99+160, 111+820, 128+500, 140+520, 141+240, 141+860, 141+900, 142+010, 142+120, 143+090, 144+160, 144+200,	0+300, 0+650, 1+750-1+900, 2+450, 4+150, 5+100, 5+590, 9+990, 17+880, 20+250, 22+500, 23+120, 24+390, 30+100, 51+950, 71+665, 71+905, 72+310, 72+790, 77+850, 78+110, 81+105, 85+700, 86+750, 90+620, 92+245, 92+280,	18+240, 71+570, 75+170, 82+770, 97+930, 126+020, 127+480, 127+600, 128+770, 133+170, 142+100, 142+930,	40, 70, 20, 30, 10, 20, 05, 80, 60, 70, 30, 100	24+810, 27+300, 35+920, 47+260, 51+310, 52+250, 55+190, 56+410, 71+770, 71+895, 76+700, 84+450, 87+000, 92+500, 100+985, 103+820, 104+925, 110+900, 111+865, 123+000, 125+330, 139+405, 143+100, 144+600,	035, 030, 050, 020, 010, 030, 020, 080, 035, 015, 020, 018, 010, 200, 025, 035, 100, 015, 018, 015, 015, 050, 200, 025, 070, 035, 020, 030, 100, 150

IECs	Within the RoW		From Boundary of the RoW to 500meter			
	Chainages (km) Right	Chainages (km) Left	Chainages (km) Right	Distance from Alignment (m)	Chainages (km) Left	Distance from Alignment (m)
	153+670, 153+820, 154+100	92+340, 97+800, 97+840, 97+885, 97+910, 7+960, 98+025, 98+920, 99+220, 107+415, 108+010, 18+030, 126+205, 127+030, 127+085, 127+800, 135+315, 135+385, 136+350, 138+115, 138+160, 139+210, 139+350, 142+390, 143+050, 144+345, 144+500, 146+600, 149+190, 150+525			146+100, 146+510, 149+700, 149+960, 150+170, 154+310	
<b>Ditches</b>	0+360, 0+640, 1+580, 1+980, 2+450, 2+500, 4+850, 5+420, 6+660, 6+860, 7+420, 9+440, 9+470, 9+660, 10+280, 12+020, 12+565, 12+590, 12+780, 12+800, 13+500, 13+720, 13+950, 17+620, 18+850, 19+240, 19+830, 20+120, 21+200, 23+510, 26+590, 31+270, 39+090, 39+680, 51+360, 53+180- 53+260, 53+280- 53+360, 53+380- 53+420, 56+100, 58+950-59+025,	1+000, 1+050, 1+100, 1+190, 2+090, 3+000, 3+350, 3+850, 4+750, 5+350, 5+880, 6+000, 6+450, 6+680, 7+180, 7+200, 7+310, 7+450, 7+500, 7+550, 7+950, 8+150, 8+450, 8+610, 8+700, 8+980, 9+200, 9+650, 9+800, 10+200, 10+520, 15+050, 15+200, 15+500, 15+600, 15+780, 16+050, 16+200, 16+250, 16+270, 16+310, 16+370, 17+010, 17+120, 17+190, 17+220, 17+390, 17+420, 17+460, 17+470, 17+620, 17+700, 17+780,	1+640, 4+400, 5+450, 6+050, 14+840, 30+760, 47+310, 65+500, 90+490, 91+260, 91+900, 92+170, 92+560, 92+650, 94+060, 96+050, 96+740, 96+960, 97+440, 97+580, 99+220, 104+460, 106+060, 112+570, 115+280, 126+160, 137+520, 141+050, 146+550, 148+900,	30, 60, 20, 20, 20, 80, 70, 40, 70, 40, 30, 50, 50, 50, 20, 20, 10, 10, 70, 10, 40, 100, 40, 100, 05, 15, 20, 40, 05, 05,	24+430, 29+420, 31+290, 31+300, 31+665, 72+710, 72+720, 77+960, 80+905, 82+100, 85+480, 94+300, 94+380, 95+120, 95+550, 97+130, 97+495, 98+390, 100+770, 101+850, 101+885, 102+045, 104+425, 128+800, 131+200, 131+350, 131+450, 134+010, 134+080, 137+190, 138+685, 149+280	040, 030, 050, 020, 040, 015, 010, 020, 018, 025, 020, 008, 008, 020, 025, 010, 008, 015, 008, 015, 050, 005, 012, 007, 005, 008, 005, 005, 006, 015, 010, 015



IECs	Within the RoW		From Boundary of the RoW to 500meter			
	Chainages (km) Right	Chainages (km) Left	Chainages (km) Right	Distance from Alignment (m)	Chainages (km) Left	Distance from Alignment (m)
	60+760, 62+720, 67+730, 72+370, 77+460, 77+480, 77+530, 78+090, 86+180, 91+570, 92+350, 92+390, 92+400, 92+440, 92+470, 92+970, 94+200, 94+260, 94+380, 95+180, 95+630, 95+970, 97+400, 97+980, 98+280, 98+700, 99+720, 100+050, 100+800, 100+880, 100+930, 101+000, 102+100, 102+470, 102+840, 103+900, 104+830, 105+750, 105+940, 108+720, 109+450, 115+100, 115+550, 116+550, 117+050, 125+070, 125+430, 125+450, 125+470, 125+540, 127+760, 127+970, 128+360, 129+270, 129+680, 129+760, 130+670, 132+280, 133+580, 135+230, 135+340, 135+370, 135+420, 135+490, 136+100, 137+400, 137+950, 138+070, 139+240, 139+590, 140+000, 140+070, 140+780, 140+900,	18+000-18+100, 18+240, 18+250, 18+350, 18+450, 18+530, 18+570, 18+640, 18+850, 18+900, 20+310, 20+400, 22+390, 29+980, 30+875, 31+065, 31+200, 31+250, 33+850, 33+920, 34+075, 34+960, 35+740, 39+050, 41+540, 42+120, 51+950, 54+905, 77+050, 78+020, 79+450, 79+470, 79+495, 79+510, 82+110, 86+685, 94+050, 97+750, 98+270, 99+490, 100+015, 100+110, 101+950, 102+590, 102+650, 102+230, 103+750, 104+310, 110+400, 115+150, 117+520, 117+800, 117+880, 121+300, 121+510, 121+850, 124+300, 125+110, 125+475, 127+285, 127+600, 127+700, 133+100, 134+680, 135+410, 135+850, 135+910, 136+010, 136+025, 137+510, 137+850, 137+900, 138+000,				

IECs	Within the RoW		From Boundary of the RoW to 500meter			
	Chainages (km) Right	Chainages (km) Left	Chainages (km) Right	Distance from Alignment (m)	Chainages (km) Left	Distance from Alignment (m)
	141+290, 141+350, 141+670, 141+960, 142+200, 148+550, 148+600, 150+070, 150+540, 152+940, 155+080,	138+210, 138+250, 138+300, 138+800, 138+325-138+615, 139+040, 141+000, 141+370, 141+400, 141+730, 141+750, 141+880, 141+990, 142+280, 142+730, 143+100, 143+400, 144+005, 144+080, 144+230, 145+020, 146+00, 146+000- 146+150, 146+155, 146+520-146+560, 148+450, 148+500, 148+590, 148+800, 149+050, 149+515, 153+640, 153+720, 153+980, 154+830, 154+830, 154+890, 154+910, 155+020				
<b>Canal</b>	11+400-11+560, 19+050-19+220, 19+850-20+090, 129+100-129+200	42+630, 44+350, 44+420 - 44+980, 45+020 – 45+340,			112+500, 128+700-129+485	012, 003
<b>River</b>	93+245					
<b>Borrow Pit</b>	7+800-8+100, 103+775, 147+500, 84+300 – 84+500, 87+750 – 87+850, 113+000, 126+240 – 126+475	138+800	136+000, 122+000, 146+850, 150+940-151+700	05, 100, 03, 03,		



## APPENDIX J: LIST OF TREES AFFECTED IN THE ROW

1. The survey on affected trees has been conducted in March 2015. The Forest Department of Bangladesh does not have any guideline of separating trees according to sizes. Therefore, the following standards of tree sizes have been followed to count the affected trees:

- **Large Tree:** A commonly found tree (except some particular species such as palm, dates, coconut, betel nut, guava, lemon, sharifa/sofeda, etc) with more than 4 feet of girth at the chest position has been classified as big tree. In case of fruit bearing trees (Mango, Jackfruit, Litchi, Black Berry, etc.) the girth size 3.5 feet and above are also considered as big category. In case of Palm, dates, coconut, betel nut, etc. 20 feet or above height is considered big. In case of guava, lemon, sharifa/sofeda, etc the age of the trees and judgment of the surveyor and trees owners has been imposed to classify the size. More than 10 years of age of such species of trees has been categorized as large.
- **Medium Tree:** Trees having 2-4 feet girth is classified as medium. In case of palm, dates, coconut, betel nut species, the height between 10-20 feet is medium and for guava, lemon, sharifa/sofeda, etc the age of the trees between 5-10 years are classified as medium.
- **Small Tree:** Three having less than 2 feet girth is classified as small, In case of palm, dates, coconut, betel nut species, the height between 5-10 feet is small and for guava, lemon, sharifa/sofeda, etc the age of the trees between 2-5 years are classified as small
- **Sapling/plant:** Tree planted for gardening or growing up is classified as sapling. The plant still in nursery or eligible for shifting is classified as seedling.

2. According to the Inventory of Losses (IOL) survey conducted in March 2015, a total of 105339 trees of different types (fruit, timber and medicinal) and sizes (large, medium, small and saplings) will be needed to remove being located within the ROW of the Hatikamrul-Rangpur road subproject's alignment.

**Table J-1: Number of trees affected in the ROW**

District	Type of Tree	Large	Medium	Small	Saplings	Total
Sirajganj	Fruit	168	294	216	58	736
	Timber	51	103	88	13	255
	Medicinal Plant	7	8	10		25
Bogra	Fruit	549	874	1350	182	2955
	Timber	181	546	1236	592	2555
	Medicinal Plant	21	20	6	1	48
Gaibandha	Fruit	381	520	756	72	1729
	Timber	469	974	1268	120	2831
	Medicinal Plant	0	0	0	0	0
Rangpur	Fruit	1077	1318	6531	4477	13403
	Timber	818	1097	2555	438	4908
	Medicinal Plant	2	20	18	5	45
<b>Total</b>	<b>Fruit</b>	<b>2175</b>	<b>3006</b>	<b>8853</b>	<b>4789</b>	<b>18823</b>
	<b>Timber</b>	<b>1519</b>	<b>2720</b>	<b>5147</b>	<b>1163</b>	<b>10549</b>
	<b>Medicinal Plant</b>	<b>30</b>	<b>48</b>	<b>34</b>	<b>6</b>	<b>118</b>

Source: Census and IOL Survey, March 2015.

**Table J-2: Number of affected trees remained in the Government land**

District	Type of Tree	Large	Medium	Small	Saplings	Total
Sirajganj	Fruit	10	28	10	0	48
	Timber	7	14	23	4	48
	Medicinal Plant	1	2	1	0	4
Bogra	Fruit	131	238	397	35	801
	Timber	108	475	689	500	1772
	Medicinal Plant	0	0	0	0	0
Gaibandha	Fruit	852	3387	4905	6322	15466
	Timber	5507	14723	26101	8330	54661
	Medicinal Plant	92	353	2238	29	2712
Rangpur	Fruit	130	7	56	3	196
	Timber	81	18	39	0	138
	Medicinal Plant	1	0	0	0	1
<b>Total</b>	<b>Fruit</b>	<b>1123</b>	<b>3660</b>	<b>5368</b>	<b>6360</b>	<b>16511</b>
	<b>Timber</b>	<b>5703</b>	<b>15230</b>	<b>26852</b>	<b>8834</b>	<b>56619</b>
	<b>Medicinal Plant</b>	<b>94</b>	<b>355</b>	<b>2239</b>	<b>29</b>	<b>2717</b>

Source: Census and IOL Survey, March 2015.

**Table J-3: Summary of affected trees located in the private and Government land**

Types	Large	Medium	Small	Saplings	Total
Fruit	3298	6666	14221	11149	35334
Timber	7222	17950	31999	9999	67170
Medicinal	124	403	2273	35	2835
<b>Grand Total of Affected Trees Remained on Private and Government Land</b>					<b>1,05,339</b>

Source: Census and IOL Survey, March 2015.

**Table J-4: Summary of affected banana and bamboo trees**

Types	Private Land	Gov Land	Total
Banana	6,436	31,349	37785
Bamboo	25,936	13,795	39731
<b>Grand Total of Affected Banana and Bamboo Trees</b>			<b>77516</b>

Source: Census and IOL Survey, March 2015.



## APPENDIX K: TREE PLANTATION PLAN

### A. Objectives

1. The objective of the tree plantation program is to compensate for the loss of trees due to the implementation of the Hatikamrul-Rangpur road project. Other major objectives of the program are to protect the affected cultural/sensitive areas and to enhance the health of the existing ecosystem.

2. Approximately 105339 nos. of various trees of different sizes will be cut down due to preparing of project sites. The proposed Tree Plantation Plan (TPP) will plant a total number of 215000 trees.

3. The following areas have been identified for development of plantation sites in the project areas. The required space for tree plantation will not cover areas required to plant 215000 saplings on the slopes and therefore it is suggested to use the open space of private land under social forestry category for tree plantation. The tree plantation programme will be carried out along the road embankment but there are many urban areas and market places. In that case the private land near these places will be considered for tree plantation.

- Both side slopes of the developed Hatikamrul-Rangpur road embankment;
- Open places of private land along the Hatikamrul-Rangpur road under social forestry; and
- Along the affected cultural/sensitive areas.

### B. Selection of Tree Species

4. The species for the proposed tree plantation have been selected based on the statistics of the lost vegetation and suitability for the intended purpose. The main consideration for selection of species for the Hatikamrul-Rangpur road has been on protection of the road embankment from erosion and habitat for biotic species, improved aesthetics and ecological conservation as well as commercial benefits. Accordingly, the list of tree species proposed to be planted on the slope of road embankment but not limited to be as follows:

- **Timber Trees:** Garjan (*Dipterocarpus turbinatus*), Shal (*Shorea robusta*), Shilkoroi (*Albizia procera*), Akasmoni (*Acacia auriculiformis*), Kat badam (*Terminalia calappa*), mehogani (*Swietenia mahagoni*), Raintree (*Samania saman*) etc.
- **Fruit Trees:** Date Tree (*Phoenix sylvestris*), Black berry (*Syzygium cumini*), Olive (*Elaeocarpus floribundus*), Palm tree (*Borossus flabelliformis*), Mango (*Mangifera indica*), Jackfruit (*Artocarpus heterophyllus*) etc.
- **Fuel Trees:** Epil –epil (*Leucaena leucocephala*), Raintree (*Samania saman*), Krishnochura (*Delonix regia*) etc.
- **Medicinal Trees:** Neem (*Azadirachta indica*), Arjun (*Terminalia arjuna*), Bohera (*Terminalia belliricha*), Bel (*Aegle marmelos*) etc.

5. The species of tree under the social forestry will be selected after the consultation with the land owner.

### C. Tree Plantation Regime

6. According to the prevailing practice in Bangladesh, the FD has recommended to plant minimum 2 trees for each tree felled for the implementation of the project. Total available space for the tree plantation on the slopes of the road embankment is approximately 500000 m<sup>2</sup> taking on an average road height 0.92 m on the left side and 1.10 m on the right side of the road. In this case, on the available areas approximate 125000 saplings are possible to plant and therefore it is suggested to plant rest of the required saplings (90,000 Nos.) under social forestry.

7. Under the proposed tree plantation plan:

- fruit tree species will cover 40% of the total area;
- timber tree species will cover 30% of the total area;
- medicine tree species will cover 20% of the total area and
- fuel tree species will cover the rest 10% of the total area.

8. The estimated land area under each category of trees and the number of trees are given in Table 1.

Tree species	Spacing of Tree Species (m)	No. of Trees
Fruit (40%)	2.0	86,000
Timber (30%)	2.0	64,500
Medicine (20%)	2.0	43,000
Fuel (10%)	2.0	21,500
<b>Total</b>		<b>215,000</b>

#### D. Institutional Arrangements

9. The Forest Department (FD) is generally responsible for plantation of all government owned sites. It is a common practice in Bangladesh that the Forest Department performs the task by themselves. However, the FD will be encouraged to involve the PAPs, especially vulnerable poor and women, in the plantation program. The Forest Department will provide all technical and other supports in planning and developing the plantations.

10. Nurseries of the FD in along the Hatikamrul-Rangpur road districts can be used for raising the suitable saplings of the tree species for the project areas as mentioned above. There are a number of private sector nurseries in the project districts which may be also contacted for raising saplings as well. The Forest Department will also assist the PAP in developing the tree plantation surrounding their housing space in all possible ways. The Environmental Officer of Project Implementation Unit (PIU), RHD will be responsible for overall coordination (with the FD, PAPs, and destitute women), implementation and supervision of the program. It is recommended that RHD should start dialogue with the Forest Department for the tree plantation development program in the construction stage, so that setting up of nurseries for about trees can be done in the operation stage of the project.

11. The tasks of the FD are as follows:

- Training of the local people particularly the PAPs on tree plantation and maintenance;
- Preparation of the tree plantation programs in accordance with this plan and get them approved by the Forest Department and PIU under RHD;



- Development of nurseries for raising seedlings;
- Procurement of seedlings of approved species and / or FD nurseries;
- Plantation of seedlings after preparation of the land with fertilizers and installing fences for the protection of saplings;
- Maintenance of the saplings by employing adequate number of the trained PAPs;
- Distribution of saplings among the PAPs settled in and outside of the RA;
- Assist Forest Department and PIU-EMU in procurement and distribution of saplings and other inputs to the PAPs and conduct sample trace studies on the effectiveness of the program in plantation.

## E. Budget

12. The budget for the proposed tree plantation development plan is given in Table 2. The budget also includes maintenance for first five years of plantation to ensure that all planted saplings will survive and provision for an additional plantation. The plantation on the slopes of road embankment, and along the affected cultural/sensitive areas will be taken up after completion of construction work. The budget also includes procurement and development of all facilities required to establish a nursery such as, collection of suitable soils, decomposing cow dung, procurement of fertilizers etc. The budget also includes measures required for maintenance of plantation, such as watering, weeding, fertilizer application, replacing of dead saplings (if any) etc. for first tree years. Total approximate budget for tree plantation is **BDT 66.65 Million**.

**Table K-2: Cost estimates for the tree plantation plan**

Item	Rate (BDT)	Quantity	Amount (Million BDT)
Plantation of saplings	100	215000	21.5
Maintenance of replanted trees (three years)	200	215000	43
Provision of additional 10% tree plantation (in case of dead)	100	21500	2.15
<b>Total</b>			<b>66.65</b>

## APPENDIX L: LIST OF PARTICIPANTS FOR FGDS

TECHNICAL ASSISTANCE FOR SUBREGIONAL ROAD TRANSPORT PROJECT  
 PREPARATORY FACILITY (Elenga to Hatikamrul and Hatikamrul to Rangpur Road Sections)  
**Focus Group Discussions (FGDs)**

**List of Participants**

Focus Group No. 01 Date 20.03.17 Time 10:00 AM  
 Location: Jumada High School Field, Polasbari, Gaihandha.  
 GPS: N 25.25718° E 89.36279°

Sl No.	Name	Age	Occupation	Telephone No.	Signature
1	Md. Shoriful Islam	42	Teacher	01718690851	
2	Md. Rofiqul Islam	40	Teacher	01722819744	
3	Md. Belal uddin	50	Teacher	01729870700	
4	Md. Abdul Samath	65	Teacher	01722643358	
5	Md. Abdul Mannan	60	Teacher	01719876794	
6	Md. Redad katim	42	Teacher	01787064710	
7	Md. Menhaj uddin	70	Teacher	01768537180	
8	Md. Anisur rahman	26	Teacher	01719214198	
9	Mrs. Nur najmun	33	Teacher	01718613307	
10	Mrs. Shamima sultana	40	Teacher	01758498742	
11	Mrs. Shammasultana	35	Teacher	01728589287	
12	Mrs. Rakshasapurnita	41	Teacher	01723059735	
13	Mrs. Thekamina	42	Teacher	01745366305	
14	Mrs. Shamima	20	Teacher	01757862316	
15	Md. Musfiqur rahman	20	Teacher	01788251576	

FGD Completed By: MD. BAPPY RAHMAN

Signature: BAPPY RAHMAN  
20.03.17



TECHNICAL ASSISTANCE FOR SUBREGIONAL ROAD TRANSPORT PROJECT  
PREPARATORY FACILITY (Elenga to Hatikamrul and Hatikamrul to Rangpur Road Sections)

Focus Group Discussions (FGDs)

List of Participants

Focus Group No. 02 Date 21-03-2017 Time 1.30 Pm  
Location: Mo Infront of Cadet College, Modern mark, Rangpur  
GPS: N. 25.71133 E. 89.26043

Sl No.	Name	Age	Occupation	Telephone No.	Signature
01	MD. Samon	25	Service	01747281330	
02	Balbul	28	Service	01962703291	
03	Selina	50	Housewife	—	
04	MD. Razzak	33	Business	01920292929	
05	Karinaz	50	Housewife	—	
06	HM Javed Mahmood	36	Service	01557278027	
07	Shafi Arman	28	Dentist	01749199637	
08	Mahmudul Hossain	31	Driver	01918099462	
09	MD. Alangire Hossain	39	Business	01812221559	
10	Sabidul Islam	35	Driver	01786883131	
11	Motahare	35	Service	01723456039	
12	MD. Mearshid Alam	35	Driver	01798953521	
13	Sabidul Islam	50	Business	01761192341	
14	MD. Sakka Mia	35	Business	01789478669	
15	Ashvare	22	Student	01957161378	

FGD Completed By: Taimoore Faiyaz

Signature:   
21-3-17

TECHNICAL ASSISTANCE FOR SUBREGIONAL ROAD TRANSPORT PROJECT  
PREPARATORY FACILITY (Elenga to Hatikamrul and Hatikamrul to Rangpur Road Sections)  
**Focus Group Discussions (FGDs)**

**List of Participants**

Focus Group No. 03 Date 22.3.2017 Time 12.30 Pm  
Location: Majhira Bazar, Sanyapur, Bogura  
GPS: N. 24.77152° E. 89.33636°

Sl No.	Name	Age	Occupation	Telephone No.	Signature
01.	Sahadat Hossain	50	Business	01729840259	
02	MD Alai	40	Farmer	01721989430	
03	Rahaman	57	Business	01717522724	
04	Abdus Sattar	52	Business	01721705892	
05	Jahangir	27	Business	—	
06.	Rezaul Karim Raja	34	teaching	01913432688	
07.	Sahajahan Ali	47	Business	01712545920	
08	Rafiq	39	Business	01718541280	
09	Harna Banu	55	Housewife	—	
10	MD. Hafijar Rahman	42	Business	01718710883	
11.	Saifol	42	Business	01700531710	
12.	MD. Abdus Salam	51	Business	01918360183	
13.	MD. Nqraw Islam	44	Tailor	01739937313	
14.	MD. Sahidul Islam	38	Business	01711411798	
15	Mostafijar Rahman	35	Business	01731982538	

FGD Completed By: Taimore Faiyaz

Signature:   
22.3.17

**TECHNICAL ASSISTANCE FOR SUBREGIONAL ROAD TRANSPORT PROJECT  
PREPARATORY FACILITY (Elenga to Hatikamrul and Hatikamrul to Rangpur Road Sections)  
Focus Group Discussions (FGDs)**

**List of Participants**

Focus Group No. 03 Date 22.03.2017 Time 12.30 Pm  
 Location: Maghira Bazar, Subjahanpur, Bogra  
 GPS: N 24.77158° E 89.32636°

Sl No.	Name	Age	Occupation	Telephone No.	Signature
16	MD. Abdur Rahman	60	Motor worker	01705288468	<i>[Signature]</i>
17	Mehedi Hasan	26	Textile engineer	01680969696	<i>[Signature]</i>
18	Saiful Islam	35	Business	01734042376	<i>[Signature]</i>
19	MD. Sohel Rana	27	Business	01713729369	<i>[Signature]</i>
20	Jannati	17	Student	—	<i>[Signature]</i>

FGD Completed By: Taimoor Fayaz  
 Signature: *[Signature]*  
22.3.17



TECHNICAL ASSISTANCE FOR SUBREGIONAL ROAD TRANSPORT PROJECT  
PREPARATORY FACILITY (Elenga to Hatikamrul and Hatikamrul to Rangpur Road Sections)

Focus Group Discussions (FGDs)

List of Participants

Focus Group No. 04 Date 22/03/17 Time 2:00 PM  
Location: Shenka Bazar, Shaopur, Bogra  
GPS: N 24.60380° E 89.44501°

Sl No.	Name	Age	Occupation	Telephone No.	Signature
01.	Md. Mojnu Mia	40	Business	01774201060	
02.	Md. Bablu Mia	40	Business	01843445810	
03.	Cameli Begum	35	Housewife	01735076633	
04.	Asoti	30	Housewife	—	—
05.	Abdul Basik Mondol	70	Agriculture	01933106482	
06.	Chan Mahmud	75	—	—	
07.	Md. Dilshad Ali	53	Business	01753329533	
08.	Md. Abul Hossain	63	Agriculture	01781303278	
09.	Md. Rezaul Karim	30	Agriculture	01728976302	
10.	Md. Billal Hossain	40	Agriculture	01729531901	
11.	Md. Nazim	35	Business	01745328438	
12.	Md. Hafizur Rahman	21	Student	01795211100	
13.	Md. Abul Hossain	70	—	—	
14.	Md. Shauful	17	Business	01758825287	
15.	Md. Shamsul Haque	60	Agriculture	01820734207	

FGD Completed By: MASFIQ BASHIR

Signature:   
22/03/17

TECHNICAL ASSISTANCE FOR SUBREGIONAL ROAD TRANSPORT PROJECT  
PREPARATORY FACILITY (Elenga to Hatikamrul and Hatikamrul to Rangpur Road Sections)  
Focus Group Discussions (FGDs)

List of Participants

Focus Group No. 05 Date 22/03/17 Time 3:00 PM  
Location: Hatikamrul, Singajanj Road, Singajanj  
GPS: N 24.41952° E 89.55310°

Sl No.	Name	Age	Occupation	Telephone No.	Signature
01	Md. Feroz Kamal	33	Business	01759176950	
02	Md. Abdus Razzak	32	Business	01719985872	
03	Md. Abdul Kuddus	40	Agriculture	-	-
04	Md. Abdul Malek	50	-	01938705742	
05	Mrs. Sultana Begum	30	Housewife	-	
06	Sapla Khatun	30	Housewife	01965796431	
07	Monoara Khatun	32	Housewife	-	
08	Sefat Khatun	32	Housewife	-	
09	Hena Khatun	36	Housewife	-	
10	Selima Hullah	30	Member (wood-s)	01719753570	
11	Sobuj	19	Student	01799658822	
12	Nargis Khatun	42	Housewife	-	
13	Md. Saïdur Rahman	32	Business	01939795195	
14	Md. Abdul Sattar	52	Business	01759110053	
15	Md. Husim Uddin	45	Business	01779215109	

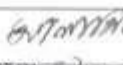
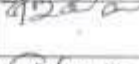
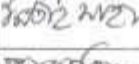
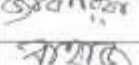
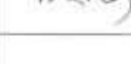
FGD Completed By: MASFIQ BASHIR  
Signature: Masfiq Bashir  
22/03/17

**TECHNICAL ASSISTANCE FOR SUBREGIONAL ROAD TRANSPORT PROJECT  
PREPARATORY FACILITY (Elenga to Hatikamrul and Hatikamrul to Rangpur Road Sections)**

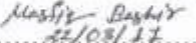
**Focus Group Discussions (FGDs)**

**List of Participants**

Focus Group No. 05 Date 22/03/17 Time 3:00 PM  
 Location: Hatikamrul, Sitajgonj Road, Sitajgonj  
 GPS: N 24.41952° E 89.55310°

Sl No.	Name	Age	Occupation	Telephone No.	Signature
16	Alamin Saiker	35	Business	01726140739	
17	Md. Jahurul Islam	48	Business	01728029424	
18	Ms. Nitai Saha	40	Business	01921473161	
19	Md. Jakaria Hossain	19	Service	01773891834	
20	Bakas Uddin	45	Doctor	01965981575	

FGD Completed By: MASFIQ BASHIR

Signature:   
22/03/17



## EIA of Hatikamrul-Rangpur (N5) 160km Road Project

Focus Group Discussions (FGDs)List of ParticipantsFocus Group No. 01 Date 18.01.2019 Time 11:00 AMLocation 45+400 (Magira Bazzerc, Shajahanpur, Bogra)

Sl No.	Name	Address	Occupation	Telephone No.	Signature
1	Md. Faris Ali		Bus	01918-762587	
2	Md. Zaykur Rahman		student	01719-251428	
3	Md. Nur Alam		Bus.	01715-652998	
4	Md. Abdullofour.		Driver	01923-226328	
5	Md. Mameed Ali		"	01944-282230	
6	Md. Abdul Gafar		Sub Constructor	01718-616928	
7	Md. Shahin Reza			01751-349189	
8	Md. Shahedul Islam		Bus	01833-615837	
9	Md. Sha Alam		Tea stall	01767-536780	
10	Md. Mezenun Rahman		Driver	01751-255393	
11	Md. Emon Ali		Job	01721-543464	
12	Md. Sharafat Ali		Jobani		
13	Md. Elias Ali		Mohajir	01729-781205	
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## EIA of Hatikamrul-Rangpur (N5) 160km Road Project

Focus Group Discussions (FGDs)List of ParticipantsFocus Group No. 02 Date 18.01.2014 Time 11:30Location 17+000 (Chandichona Bazar, Rangpur, Sirajganj).

Sl No.	Name	Address	Occupation	Telephone No.	Signature
1	<del>Md.</del> Nisi Karim Sarkar	Chandichona Bazar, Rangpur Sirajganj	Driver	01728-589889	
2	Sikul Das	"	Bus	01720-496268	
3	Raju Ahmad	"	Job	01718-609127	
4	Chomoz Chandoo	"	Tailor	01733-998400	
5	Kholil Ahmad	"	Bus	01718-443198	
6	Manic Chandoo	"	Fish Bus	01735-401500	
7	Uzzal Sarkar	"	Driver	0	
8	Md. Foridul Islam	"	Chain master	01736-128065	
9	Md. Emrul Shak	"	Driver	01817-319629	
10	Md. Abul Hossain khalim	"	Bus stand Chainmaster	01718-898827	
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## EIA of Hatikamrul-Rangpur (N5) 160km Road Project

Focus Group Discussions (FGDs)List of ParticipantsFocus Group No. 03 Date 19.01.2014 Time 10'30 AMLocation 28+900 (Mirzapur, Sheikhpur, Bogra)

Sl No.	Name	Address	Occupation	Telephone No.	Signature
1	Md. Siful Islam		Bus	01761-592708	
2	Md. Rafiqul Islam		Farmer	01749-670076	
3	Md. Asadul Islam		Driver	01745-039840	
4	Md. Mamunur		Bus	01740-806056	
5	Md. Harunur Rosid		Bus	01734-505787	
6	Md. Fuzdul Hoq		Bus	01742-089694	
7	Md. Motiz ulla Kabir		U.P Member	01298-232042	
8	B.R. Afaf Hossain		X-Teacher	01716-197851	
9	Md. Ansal Shak		Farmer	01761-201973	
10	Md. Golam mostafa		Dokane	01714-507602	
11	Md. Haruner Rashed		Bus.	01713-729369	
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## EIA of Hatikamrul-Rangpur (NS) 160km Road Project

**Focus Group Discussions (FGDs)****List of Participants**Focus Group No. 04 Date 21.07.2014 Time 10'30 AM,Location 72+900 Chowkizgate, Shibgang, Bogra.

Sl No.	Name	Address	Occupation	Telephone No.	Signature
1	Md. Siful Islam	Malahiz Mokamh Bogra.	Bus	01832-636690	
2	Md. Polist Sarkar	"	Driver	01714-723822	
3	Md. Zohurul Islam	"	Fermer	01742-936248	
4	Md. Mahadul Islam.	"	BUS	01719-736671	
5	Md. Asrafur Islam	"	Fermer	01935-868227	
6	Md. Zohurul Islam	"	Dokani	01757-962754	
7	Md. Rozaful Islam.	"	Driver	01828-135802	
8	Md. Samim	"	mobil lead	01822-851305	
9	Md. Abdul Bashed	"	Raj mistri	01747-018969	
10	Md. Abdul Jobber	"	Dokani	01920-535857	
11	Md. Anamul Haque	"	Driver	01846-302041	
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## EIA of Hatikamrul-Rangpur (N5) 160km Road Project

Focus Group Discussions (FGDs)List of Participants

Focus Group No. 05 Date 21.01.2014 Time 11:45 AM  
 Location 89+000 (Dhaka bus stand, Gobindogony, Gubanda.)

Sl No.	Name	Address	Occupation	Telephone No.	Signature
1	Md. Younus Ali	Bus stand, Gobindogony, Gubanda	Labour	017611-70009	
2	Md. Yohadul Shak	"	Tec steel		
3	Md. Asraful Islam	"	Driver	01739-012342	
4	Md. Sumon Mandal	"	Bus	01716-438103	
5	Md. Nur Mohammed	"	"	01717-331102	
6	Md. Azad	"	Ferrmar	01720-847039	
7	Md. Muzadul Islam	"	Job	01725-488097	
8	Md. Jilul Rahman	"	Bus	01740-963983	
9	Md. Samim	"	Dokani	01915-153086	
10	Md. Mozammel Haque	"	Job	01736-505805	
11	Md. Ripon	"	"	01732-657309	
12	Md. Rumman	"	Bus	01745-249946	
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## EIA of Hatikamrul-Rangpur (N5) 160km Road Project

Focus Group Discussions (FGDs)List of ParticipantsFocus Group No. 06 Date 22.01.2014 Time 3:15 PMLocation 113+700 (Ghibamda) Dhaperhat, Shadullapur, Ghibamda.

Sl No.	Name	Address	Occupation	Telephone No.	Signature
1	Md. Shahin Ferdus	Dhaperhat, Shadullapur, Ghibamda	Teacher	01713-994363	
2	Md. Shahin Akter	"	"	01745-229291	
3	Nandon Sha	"	Bus	01820-511928	
4	Mohammad Ali	"	Dokani	01734-038489	
5	Shiful chandro Sha	"	Bus	01742-482116	
6	Mahadi Hassan	"			
7	Mounju Miya	"	Day lab.	01770-990629	
8	Mahmedul Hasan	"	Bus	01798-501015	
9	Suruj Miya	"	Dokani	01914-858994	
10	Shohel Rana	"	Dokani	01746-720901	
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## EIA of Hatikamrul-Rangpur (NS) 160km Road Project

Focus Group Discussions (FGDs)List of ParticipantsFocus Group No. 07 Date 23, 01, 2014 Time 12:10 PMLocation 125+900 (Fotapur luldigi, Pirgong, Rangpur.

Sl No.	Name	Address	Occupation	Telephone No.	Signature
1	Md. Abdullah	Fotapur, Pirgong, Rangpur	Driver	01722-076628	
2	Md. Bisu	Fotapur luldigi, Pirgong, Rangpur.	Bus	01737897284	
3	Amir	"	Farmer		
4	Abul Kalam Azad	"	Farmer	01722-305195	
5	Gulap Miya	"	"	01738-534740	
6	Md. Hafizur Mondol	"	"	01740-087715	
7	Md. Abdul Razzak	"	Bus	01759-577699	
8	Bikas	"	Dokani	01710-265268	
9	Md. Ataur Rahman	"	Bus	01725-193015	
10	Md. Rustom Ali	"	"	01737-064704	
11	Md. Shohidul Islam	"	UP member	01721-518277	
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## EIA of Hatikamrul-Rangpur (N5) 160km Road Project

Focus Group Discussions (FGDs)List of ParticipantsFocus Group No. 08 Date 24.01.2019 Time 12:30 PMLocation 156+400 (Modan more, Rangpur)

Sl No.	Name	Address	Occupation	Telephone No.	Signature
1	MD. Abdur Razzaq	Modan more Rangpur	Business	0173344802	
2	MD. Hafizur Rahman	"	Driver	01750-797970	
3	MD. Shoel Rana	"	Bus	01759387634	
4	MD. Omer Farque	"	Job	01922-114347	
5	MD. Mukul Mia	"	Bus	01737-343192	
6	MD. Golam Kibria	"	"	01716-097247	
7	MD. Rafiqul Islam	"	"	01823-642815	
8	MD. Nurrobi	"	Job	01767-296376	
9	MD. Faghrur Rahman	"	"	01943-616504	
10	MD. Shahid	"	laber	01780-755938	
11	MD. Abu Aoual	"	Bus	01740-640763	
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**APPENDIX M: LIST OF INDIVIDUAL INTERVIEWEE**

<b>Location</b>	<b>Name</b>	<b>Occupation</b>	<b>Contact Number</b>
Royganj, Sirajganj	Md. Monirul Islam	Business	01729727160
	Palash Chandra	Business	01752445194
	Md. Shafiqur Rahman	Business	01735433150
	Md. Sohel	Business	01736267821
	Somir	Business	01721718440
Bogra Sadar, Bogra	Md. Rezaul Karim	Electrician	01729614812
Shibganj, Bogra	Md. Badsha Mia	Farmer	01835330923
	Md. Mamtaj Uddin	Business	01823609694
	Md. Rezaul Karim	Doctor	01716126866
	Md. Abu-Bakar Siddik	UP Memembr	01718969524
	Md. Badsha Mia	Business	01943622851
	Md. Abdul Motalib	Business	01917211674
	Md. Nurul Islam	Teacher	01713716695
Palashbari, Gaibandha	Md. Jahangir Alam	Labour	
	Md. Saju Miah	Business	01934984629
	Md. Emdadul	Business	01745215730
Sadullahpur, Gaibandha	Subol Kumar	Employee	01786831322
	Md. Sharif Uddin	Business	01729163630
	Md. Bodrul Alam	Teacher	01716336544
Govindoganj, Gaibandha	Md. Monsur Rahman	Teacher	01717975124
	Md. Nazrul Islam	Driver	01743941454
	Md. Aytal Haque	Business	01740801256
	Md. Mehdi Hasan	Business	01725674533
	Md. Anamul	Business	01735115972
	Md. Hasan Miah	Business	01734101837
	Md. Zahid Hossain	Business	01767453688
	Md. Ripon	Business	01711411692
	Md. Sohel Rana	Business	01757963346
Pirganj, Rangpur	Md. Nazrul Islam	Employee	01714169731
	Md. Russel	Business	01722722192
	Md. Abul Kalam	Farmer	01722905195
	Md. Golap	Farmer	01738534740
	Krisno	Business	01724020441