Bangladesh	
Consultants	
Ltd	ļ

District: Rajbari							
Name of Thana			Baliakandi		Pangsha	Ghoyalondo	
Serial Number		8	10	11	12	13	
Bridge ID		11-02-02	11-02-N1	11-02-N2	11-03-01	11-04-01	
Road ID		382073015	382073004	382073046	369033033	382295055	
÷.	Bank to Bank Wide (m)	46.00	54.00	41.00	127.00	64.00	
Water Way	Dry Season Water Depth (m)	0.80	0.65	0.80	0.80	0.20	
	Normal Flood Water depth(m)	3.20	3.40	5.30	3.60	3.00	
Proposed Bridge Length (m)		50	55	50	125	65	
Span Arrangeme	ent	2x15m+20m	2x15m+25m	2x15m+20m	5x25m	2x20m+25m	
Abutment Height	(m)	4.40	5.00	4.00	4.50	7.80	
Pier Height (m)		7.00	7.00	9.00	9.10	10.00	
Cost (Abutment i	ncluding Foundation)	2630420.0	2950075.0	3025160.0	2630420.0	3405470.0	
Cost (Pier Including Foundation)		2776920.0	2776920.0	2776920.0	5553840.0	2776920.0	
Cost (Super Structure)		14650000.0	16115000.0	14650000.0	36625000.0	19045000.0	
Cost (Super Structure Erection)		315000.0	346500.0	315000.0	787500.0	409500.0	
Total Cost		20372340	22188495	20767080	45596760	25636890	

District : Gopalg	gonj							-			
Name of Thana			Kasiani			Muksedpur					Tongipara
Serial Number		7	9	10	12	13	16	19	20	21	25
Bridge ID		12-02-06	12-02-N1	12-02-N2	12-03-02	12-03-03	12-03-06	12-03-N1	12-03-N2	12-03-N3	12-04-N1
Road ID		345433019	345434016	345434009	345583020	345584005	345543011	345583008	345583008	345584029	345913011
 ► .	Bank to Bank Wide (m)	43.00	52.00	45.00	48.00	55.00	40.00	34.00	50.00	42.00	22.00
Watei Way	Dry Season Water Depth (m)	0.90	2.80	0.60	0.80	0.90	0.90	0.30	0.95	0.90	0.30
5 -	Normal Flood Water depth (m)	4.30	3.60	3.90	3,80	3.80	3.60	2.80	6.85	3.50	1.10
Proposed Bridge Length (m)		50	-55	50	50	55	40	40	50	45	20
Span Arrangeme	ent	2x15m+20m	2x15m+25m	2x15m+20m	2x15m+20m	2x15m+25m	2x10m+20m	2x10m+20m	2x15m+20m	3x15m	1x20m
Abutment Height	(m)	5.50	5.80	6.00	6.10	4.00	3.90	6.30	6.20	4.80	1.80
Pier Height (m)		8.90	9.00	6.60	6.70	7.30	8.30	8.00	9.50	8.30	-
Cost (Abulment i	including Foundation)	3200851.0	3135835.0	3414475.0	2950075.0	2630420.0	2630420.0	2950075.0	3414475.0	2950075.0	2630420.0
Cost (Pier includi	ing Foundation)	2776920.0	2776920.0	2776920.0	2776920.0	2776920.0	2776920.0	2776920.0	2776920.0	2776920.0	
Cost (Super Stru	cture)	14650000.0	16115000.0	14650000.0	14650000.0	16115000.0	11720000.0	11720000.0	14650000.0	13185000.0	5860000.0
Cost (Super Stru	cture Erection)	315000.0	346500.0	315000.0	315000.0	346500.0	252000.0	252000.0	315000.0	283500.0	126000.0
Total Cost		20942771	22374255	21156395	20691995	21868840	17379340	17698995	21156395	19195495	8616420

•

Final Report October, 2002

Bangladesh	
Consultants	
Ltd	ļ

District : Gopalg	onj				
Name of Thana		Tongipata	Kotalipara		
Serial Number		26	28	29	
Bridge ID		12-04-N2	12-05-02	12-05-03	
Road ID		345913016	345514046	345514046	
	Bank to Bank Wide (m)	34.00	21.00	24.00	
Water Way	Dry Season Water Depth (m)	0.90	0.80	0.90	
	Normal Flood Water depth (m)	5.20	2.85	2.00	
Proposed Bridge Length (m)		35	20	25	
Span Arrangeme	nt	2x10m+15m	1x20m	1x25m	
Abutment Height	(m)	5.70	2.95	2.60	
Pier Height (m)		7.50	-	-	
Cost (Abutment i	nduding Foundation)	3600235.0	2630420.0	2630420.0	
Cost (Pier includi	ng Foundation)	2776920.0			
Cost (Super Stru	cture)	10255000.0	5860000.0	7325000.0	
Cost (Super Stru		220500.0	126000.0	157500.0	
Total Cost		16852655	8616420	10112920	

District: Jamala	our										
Name of Thana			Sac	lar			Dewa	angonj		Melandah	
Serial Number		1 1	4	6	7	13	14	15	16	17	19
Bridge (D	· · · · · · · · · · · · · · · · · · ·	13-01-01	13-01-04	13-01-N1	13-01-N2	13-02-N1	13-02-N2	13-02-N3	13-02-N4	13-03-01	13-03-N1
Road ID		339363029	339364025	339364065	339365019	339153044	339155059	339155072	339153034	339612005	339612008
	Bank to Bank Wide (m)	90	40.0	45	90	100	155	90	100	60.0	55
Vater Way	Dry Season Water Depth (m)	1.2	1	1.5	1.25	1 1	_ 4	1	1.5	0.5	1
35	Normal Flood Water depth(m)	5.5	5.75	5	5.5	3.5	7.5	4	4.5	3.0	4.4
Proposed Bridge	e Length (m)	90	40	30	90	100	150	90	100	60.0	55
Span Arrangem		3x20m+2x15m	2x10m+1x20m	1x30m	3x20m+2x15m	5x20m	6x25m	3x20m+2x15m	5x20m	3x20m	2x15m+1x25m
	including Foundation)	2630420	2630420	2630420	2630420	2630420	2630420	2630420	2630420	2630420	2630420
Cost (Pier including Foundation)		5553840	1858150		5553840	5553840	6942300	5553840	5553840	2776920	1858150
Cost (Super Structure)		26370000	11720000	8790000	26370000	29300000	43950000	26370000	29300000	17580000	16115000
Cost (Super Structure Erection)		567000	252000	189000	567000	630000	945000	567000	630000	376000	346500
Total Cost		35121260	16460570	11609420	35121260	38114260	54467720	35121260	38114260	23365340	20950070

District: Jamalp	ur									
Name of Thana		Melandah				Istampur				Bakshigonj
Serial Number	Number 20 22 24 25 26 27 28 29					29	30			
Bridge 1D	· · · · · · · · · · · · · · · · · · ·	13-03-N2	13-04-02	13-04-04	13-04-05	13-04-06	13-04-07	13-04-N1	13-04-N2	13-05-01
Road ID		339614010	339292001	339292005	339292004	339292004	339292001	339292001	339293015	339073018
	Bank to Bank Wide (m)	50	100	55	35	60	100	100	50	30
Water Way	Dry Season Water Depth (m)	1	3.6	1.32	1.72	2.39	3.6	3.9	4.3	2.0
	Normal Flood Water depth(m)	4.8	4.9	1.62	3.22	4.89	4.6	5.4	4.7	6.86
Proposed Bridge	Length (m)	50	90.0	50.0	30	60	90	100	50	30.0
Span Arrangeme		2x15m+1x20m	3x20m+2x15m	2x15m+1x20m	1x30m	3x20m	3x20m+2x15m	5x20m	2x15m+1x20m	1x30m
Cost (Abutment including Foundation)		2630420	2630420	2630420	2630420	2630420	2630420	2630420	2630420	2630420
Cost (Pier including Foundation)		1858150	5553840	1858150		2776920	5553840	5553840	1858150	
Cost (Super Structure)		14650000	26370000	14650000	8790000	17580000	26370000	29300000	14650000	8790000
		315000	567000	315000	189000	378000	567000	630000	315000	189000
Cost (Super Structure Erection)										

District: Jamalpu	ur'							
Name of Thana		Sarisi	nabari	Madergonj				
Serial Number		33	34	36	37	38	39	
Bridge ID		13-06-03	13-06-N1	13-07-N1	13-07-N2	13-07-N3	13-07-N4	
Road ID		339853066	339853026	339583024	339583001	339583008	339585019	
Vay Way	Bank to Bank Wide (m)	170	190	150	50	90	140	
	Dry Season Water Depth (m)	1.5	2.5	3	2	3	2	
	Normal Flood Water depth(m)	4.1	6.07	3.6	5	3.5	5	
Proposed Bridge	Length (m)	170	190	150	40	60	125	
Span Arrangeme	nt	6x25m+1x20m	6x25m+2x20m	6x25m	2x10m+1x20m	3x20m	5x25m	
Cost (Abutment in	ncluding Foundation)	2630420	2630420	2630420	2630420	2630420	2630420	
Cost (Pier includi	ng Foundation)	8330760	9719220	6942300	1858150	2776920	5553840	
Cost (Super Structure)		49810000	55670000	43950000	11720000	17580000	36625000	
Cost (Super Structure Erection)		1071000	1197000	945000	252000	378000	787500	
Total Cost		61842180	69216640	54467720	16460570	23365340	45596760	

Sarishabari 

13-06-01

166.5 4.42 

6x25m+1x20m

Total Cost

•••.

Banglades	
sh Consu	
Itants Lto	ļ

### District: Netrokona Name of Thana Sadar Kandua Barahatta Durgapur Atpara Serial Number 3 1 4 9 10 11 18 19 20 21 14-01-01 14-01-N1 14-01-N2 Bridge ID 14-02-N1 14-02-N2 14-03-01 14-05-N1-14-06-01 14-06-02 14-06-03 372744022 372742010 Road ID 372743007 372042003 372043008 372474046 372032001 372093009 372034014 372034005 80.00m 170 36 Bank to Bank Wide (m) 70.00m 70.00m 18 90 33 180 75.00m Water Way Dry Season Water Depth (m) 1.25m 1 1 6.30m 1.45m 1.03 3.1 1.61 3.27 0.81m Normal Flood Water depth(m) 4.44m 3 3 8.30m 6.36m 3.09 8.t 2.47 6.24 3.00m 80.00m 170 35 Proposed Bridge Length (m) 70.00m 70.00m 20 80 35 180 75.00m 4x15m+1x20m 2x10m+1x15m 2x25m+1x20m Span Arrangement 6x25m+1x20m 2x25m+1x20m 1x20m 4x15m+1x20m 2x10m+1x15m 4x25m+4x20m 3x25m 2630420 2630420 Cost (Abutment including Foundation) 2630420 2630420 2630420 2630420 2630420 2630420 2630420 2630420 5553840 Cost (Pier including Foundation) 8330760 1858150 2776920 2776920 5553840 1858150 9719220 2776920 Cost (Super Structure) 23440000 49810000 10255000 20510000 20510000 5860000 23440000 10255000 52740000 21975000 504000 1071000 Cost (Super Structure Erection) 441000 220500 441000 126000 504000 220500 1134000 472500 Total Cost 32128260 61842180 26358340 14964070 26358340 8616420 32128260 14964070 66223640 27854840

**PROJECT COST** 

Name of Thana		Durgapur	Kamlakanda	Mohongani	
Serial Number		22	25	26	
Bridge ID		14-06-04	14-08-02	14-09-01	
Road ID		372035009	372403006	372633002	
Water Way	Bank to Bank Wide (m)	140.00m	67.50m	41.00m	
	Dry Season Water Depth (m)	2.12m	5.00m	3.00m	
	Normal Flood Water depth(m)	5.10m	8.00m	7.50m	
Proposed Bridge	Length (m)	140m	70m	40m	
Span Arrangeme	nt	4x25m+2x20m	2x25m+1x20m	2x10m+1x20m	
Cost (Abutment i	ncluding Foundation)	2630420	2630420	2630420	
Cost (Pier includi	ng Foundation)	4645375	2776920	1858150	
Cost (Super Strue	cture)	41020000	20510000	11720000	
Cost (Super Strue	cture Erection)	882000	441000	252000	
Total Cost		49177795	26358340	16460570	

ultants	Bangladesh Cons	
E	sultants Li	

.

District: Shariat	tpur			· · · · · · · · ·	·····								
Name of Thana			Sa	dar		····· ··· ··· ··· ··· ···		Vec	larganj				
Serial Number		4	5	10	11	12	12 15 16 17 19						
Bridge ID		15-01-04	15-01-05	15-01-N1	15-01-N2	15-02-01	15-02-04	15-02-05	15-02-06	-06 15-02-08 15-			
Road ID		386695007	386695007	386693012	386693015	386142009	386143033	386143039	386143022	386143008	386143021		
<u>ل</u> ة \	Bank to Bank Wide (m)	24.00	45.00	70.00	28.00	12.00	10.00	15.00	15.00	40.00	250.00		
Vater Way	Dry Season Water Depth (m)	0.20	0.40	1.20	0,10	2.80	2.60	2.00	1.10	1.50	2.25		
	Normal Flood Water depth (m)	3.82	3.59	5.40	5.06	3.50	3.52	5.50	2.75	4.00	4.50		
Proposed Bridge	e Length (m)	25.00	45.00	75.00	35_00	15.00	10.00	15.00	15.00	40.00 256			
Span Arrangeme	ent	1x25m	3x15m	3x25m	2x10m+1x15m	1x15m	1x10m	1x15m	1x15m	2x10m+1x20m	10x25m		
Cost (Abutment	including Foundation)	2630420	2630420	2630420	2630420	2630420	2630420	2630420	2630420	2630420	2630420		
Cost (Pier includ	ling Foundation)		1858150	1858150	1858150					1858150	12496140		
Cost (Super Stru	ucture)	7325000	13185000	21975000	10255000	4395000	2930000	4395000	4395000	11720000	73250000		
Cost (Super Stru	ucture Erection)	157500	283500	472500	220500	94500	63000	94500	94500	252000	1575000		
Total Cost		10112920	17957070	26936070	14964070	70 7119920 5623420 7119920 7119920 16460570				89951560			

District: Shariat	pur								· · · · · · · · ·	
Name of Thana		Vedarganj		Naria			Jajira		Goashirhat	Damudia
Serial Number		24	25	46	47	51	52	56	64	71
Bridge ID		15-02-N2	15-03-01	15-03-22	15-03-23	15-05-01	15-05-02	15-05-06	15-06-06	15-07-04
Road ID		386143016	386653007	386654022	386654022	386943029	386943007	386943003	386363012	386252009
* `	Bank to Bank Wide (m)	50.00	100.00	16.50	17.00	105.00	100.00	80.00	30.00	68.00
Vater Way	Dry Season Water Depth (m)	0.60	1.50	1.25	1.83	2.61	2,77	0.90	1.00	6.49
>-	Normal Flood Water depth (m)	3.50	4.10	3.00	3.57	8.26	7.57	5.87	4,00	9.29
Proposed Bridge	Length (m)	50.00	100.00	15.00	15.00	100.00	100.00	60.00	30.00	70.00
Span Anangeme	ent	2x15m+1x20m	5x20m	1x15m	1x15m	5x20m	5x20m	4x15m+1x20m	1x30m	2x25m+1x20m
Cost (Abutment i	ncluding Foundation)	2630420	2630420	2630420	2630420	2630420	2630420	2630420	2630420	2630420
Cost (Pier includi	ing Foundation)	1658150	5553840			5553840	5553840	5553840		2776920
Cost (Super Stru	cture)	14650000	29300000	4395000	4395000	29300000	29300000	23440000	8790000	20510000
Cost (Super Stru	cture Erection)	315000	630000	94500	94500	630000	630000	504000	189000	441000
Total Cost		19453570	38114260	7119920	7119920	38114260	38114260	32128260	11609420	26358340

# Master Plan Study for Portable Steel Bridge Construction on Feeder and Rural Roads in Bangladesh

Total Cost

Cost (Super Structure)

Cost (Super Structure Erection)

District: Faridp											
Name of Thana					Sadar				Boalmari	<u>Charv</u>	adrason
Serial Number		5	6	7	8	9	10	11	16	27	26
Bridge ID		16-01-N1	16-01-N2	16-01-N3	16-01-N4	16-01-N5	16-01-N6	16-01-N7	16-02-05	16-05-01	16-05
Road 1D		329475029	329473031	329473015	329474002	329473027	329475120	329475055	329 184029	329214017	329212
	Bank to Bank Wide (m)	24.00	24.00	68.00	36.00	32.00	42.00	32.00	50.00	67.00	67.0
Vater Way	Dry Season Water Depth (m)	0.30	0.30	0.60	0.30	0.00	0.90	0.30	0.80	0.80	0.0
3 >	Normal Flood Water depth(m)	2.30	3.20	2.50	2.90	1.30	2.00	2.40	3.70	2.80	2.0
Proposed Bridge	e Length (m)	25	25	65	35	30	40	30	50	70	70
Span Arrangem		1x25m	1x25m	2x20m+25m	2x10m+15m	1x30m	2x10m+20m	1x30m	2x15m+20m	20m+2x25m	20m+2:
Abutment Heigh		3.60	3.50	3.20	3.50	1.60	3.90	2.70	3.20	3.00	3.1
Pier Height (m)			· · ·	4.60	4.70	-	5.00	•	6.80	5.00	4.4
Cost (Abutment	including Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	32434
	ling Foundation)	1		1858150.0	1858150.0		1858150.0		2776920.0	1858150.0	18581
Cost (Super Str		7325000.0	7325000.0	19045000.0	10255000.0	8790000.0	11720000.0	8790000.0	14650000.0	20510000.0	205100

220500.0

14964070

189000.0

11609420

252000.0

16460570

189000.0

11609420

315000.0

20372340

Name of Thana		Bangha				
Serial Number		29	31	32	33	
Bridge ID	· · · · ·	16-06-01	16-07-01	16-07-02	16-07-N1	
Road ID		329103016 329842010 329842003 329				
<u> </u>	Bank to Bank Wide (m)	25.00	80.00	25.00	20.00	
Water Way	Dry Season Water Depth (m)	0.30	0.15	0.80	0.60	
5-5	Normal Flood Water depth(m)	2.60	1.30	1.20	2.80	
Proposed Bridge	Length (m)	25	80	80 25		
Span Arrangeme	nt	1x25m	4x15m+20m	1x25m	1x20m	
Abutment Height	(m)	3.10	3.30	4.60	4.80	
Pier Height (m)			4.60	-	-	
Cost (Abutment is	cluding Foundation)	2630420.0	2955500.0	3368035.0	2950075.0	
Cost (Pier includi	ng Foundation)		3716300.0			
Cost (Super Structure)		7325000.0	23440000.0	7325000.0	5860000.0	
Cost (Super Strue	cture Erection)	157500.0	504000.0	157500.0	126000.0	
Total Cost		10112920	30615800	10850535	8936075	

157500.0

10112920

157500.0

10112920

409500.0

23943070

26

16-05-02

329212001

67.00

0.00

2.08

70

20m+2x25m

3.10

4.40

3243428.0

1858150.0

20510000.0

441000.0

26052578

441000.0

25439570

Bangladesh	
Consultants	
3 Ltd	

District: Madari	pur								· · · · · · · · · · · · · · · · · · ·		
Name of Thana		1			Sa	lar				Katkini	
Serial Number		1	2	3	4	12	14	15	16	23	24
Bridge ID		17-01-01	17-01-02	17-01-03	17-01-04	17-01-12	17-01-N1	17-01-N2	17-01-N3	17-02-07	17-02-08
Road ID		354545039	354545030	354545030	354545031	Unidentified	354543006	354543025	354545099	Unidentified	Unidentified
	Bank to Bank Wide (m)	15.00	10.00	15.00	15.00	15.00	21.00	84.00	55.00	9,00	10.00
Vater Way	Dry Season Water Depth (m)	0.50	0.50	1.50	1.50	0.50	0.40	4.00	3.00	3,00	1.60
>-	Normal Flood Water depth (m)	4.50	3.85	5.50	5.60	1.50	2.80	7.00	6.00	3.50	4.00
Proposed Bridge	Length (m)	15.00	10.00	15.00	15.00	10.00	20.00	85.00	60.00	10.00	10.00
Span Arrangeme	ant	1x15m	1x10m	1x15m	1x15m	1x10m	1x20m	4x15m+1x25m	3x20m	1x10m	1x10m
Cost (Abutment i	including Foundation)	2630420	2630420	2630420	2630420	2630420	2630420	2630420	2630420 _	2630420	2630420
Cost (Pier includ	ing Foundation)							5553840	1858150		
Cost (Super Stru	icture)	4395000	2930000	4395000	4395000	2930000	5860000	24905000	17580000	2930000	2930000
Cost (Super Stru	cture Erection)	94500	63000	94500	94500	63000	126000	535500	378000	63000	63000
Total Cost		7119920	5623420	7119920	7119920	5623420	8616420	33624760	22446570	5623420	5623420

District: Madarig	pur						······	······································				
Name of Thana				Kal	kini		·····	T	Shibchar		Rajayar	
Serial Number		25	26	28	29	30	31	32	42	42 45		
Bridge ID		17-02-09	17-02-10	17-02-12	17-02-13	17-02-14	17-02-15	17-03-01	17-03-11	17-03-11 17-03-N1		
Road ID		Unidentified	Unidentified	Unidentified	Unidentified	Unidentified	Unidentified	354873002	354874018	354874006	Unidentified	
ar <	Bank to Bank Wide (m)	10.00	13.00	9.50	18.00	14.00	8.00	50.00	160.00	300.00	21.00	
Vater Way	Dry Season Water Depth (m)	2.20	2.50	3.00	2.70	3.00	3.00	3.62	1.50	1.20	1.50	
^ _	Normal Flood Water depth (m)	3.85	2.70	3.60	4.20	5.00	4.00	5.03	5.90	5.50	3.00	
Proposed Bridge	Length (m)	10.00	15.00	10.00	20.00	15.00	10.00	50.00	160.00	200.00	20.00	
Span Arrangeme	nt	1x10m	1x15m	1x10m	1x20m	1x15m	1x10m	2x15m+1x20m	4x25m+3x20m	8x25m	1x20m	
Cast (Abutment i	ncluding Foundation)	2630420	2630420	2630420	2630420	2630420	2630420	2630420	2630420	2630420	2630420	
Cost (Pier includi	ing Foundation)				1			1858150	8330760	9719220		
Cost (Super Stru	Cture)	2930000	4395000	2930000	5860000	4395000	2930000	14650000	46880000	58600000	5860000	
Cost (Super Strue	cture Erection)	63000	94500	63000	126000	94500	63000	315000	1008000	1260000	126000	
Total Cost		\$623420	7119920	5623420	8616420	7119920	5623420	19453570	58849180	72209640	8616420	

District: Madari	pur	······	·····					
Name of Thana		-			Rajayar			
Serial Number		49	50	51	52	53	54	55
Bridge ID		17-04-04	17-04-05	17-04-N1 17-04-N2	17-04-N3	17-04-N4	17-04-N5	
Road ID		354803009	354803014	354803010	354803020	354603027	354803039	354803008
* ~	Bank to Bank Wide (m)	18.00	18.00	22.00	20.00	22.50	30.00	33.00
Water Way	Dry Season Water Depth (m)	0.60	0.85	1.40	0.70	0.50	0.50	2.00
	Normal Flood Water depth (m)	3.72	2.23	3.35	3.36	2.66	2.50	5.00
Proposed Bridge	Length (m)	20.00	20.00	30.00	25.00	25.00	30.00	30.00
Span Arrangeme	ent	1x20m	1x20m	1x30m	1x25m	1x25m	1x30m	tx30m
Cost (Abutment i	ncluding Foundation)	2630420	2630420	2630420	2630420	2630420	2630420	2630420
Cost (Pier includ	ing Foundation)							2000.20
Cost (Super Stru	cture)	5860000	5860000	8790000	7325000	7325000	8790000	8790000
Cost (Super Stru	cture Erection)	126000	126000	189000	157500	157500	189000	189000
Total Cost		8616420	8616420	11609420	10112920	10112920	11609420	11609420

District: Chittag				3							
Name of Thana		Hath	azari	Satkania	Ranggoria			Potiya			
Serial Number		2	4	7	10	12	14	17	18-04-06         18-04-N1           415614046         Unidentified           20.00         54.00           0.00         1.00           3.80         3.50		
Bridge ID		18-01-02	18-01-N1	18-02-03	18-03-03	18-04-01	18-04-03	18-04-06	18-04-N1	18-04-N2	
Road ID		415373030	415373015	415823007	415702003	415613002	415613024	415614046	Unidentified	415613047	
÷.	Bank to Bank Wide (m)	37.00	22.00	60.00	16.00	20.00	96.00	20.00	54.00	50.00	
Water Way	Dry Season Water Depth (m)	3.00	2.00	0.30	0.30	2.00	1.00	0.00	1.00	2.00	
5-	Normal Flood Water depth (m)	6.00	3.00	4.93	0.60	4,50	5.00	3.80	3.50	6.00	
Proposed Bridge	Length (m)	35.00	25.00	60.00	15.00	20.00	100.00	20.00	55.00	50.00	
Span Arrangeme	ent	2x10m+1x15m	1x25m	3x20m	1x15m	1x20m	5x20m	1x20m	2x15m+1x25m	2x15m+1x20m	
Cost (Abutment i	ncluding Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	
Cost (Pier includi	ing Foundation)	1858150.0		1858150.0			5553840.0		1858150.0	1858150.0	
Cost (Super Stru	cture)	10255000.0	7325000.0	17580000.0	4395000.0	5860000.0	29300000.0	5860000.0	16115000.0	14650000.0	
Cost (Super Stru	cture Erection)	220500.0	157500.0	378000.0	94500.0	126000.0	630000.0	126000.0	346500.0	315000.0	
Total Cost		14964070	10112920	22446570	7119920	8616420	38114260	8616420	20950070	19453570	

District: Chittago	ng					· · · · · -					
Name of Thana		Mirsarai		Sitakunda		Bashkhati			Boalkhati		
Serial Number		32	40	41	42	46	48	53	54	55	
Bridge ID		18-05-06	18-06-N1	18-06-N2	18-06-N3	18-07-04	18-07-N1	18-08-N1	18-08-N2	18-08-N3	
Road ID	•	415533072	415864083	415863023	415863063	415083021	415083024	415123023	415124050	415125021	
5.	Bank to Bank Wide (m)	20.00	26.00	25.00	30.00	235.00	235.00	42.00	20.00	20.10	
Water Way	Dry Season Water Depth (m)	0.92	1.50	1.00	1.00	1.00	1.00	3.00	2.50	1.50	
5-	Normal Flood Water depth (m)	2.00	3.50	3.50	2.75	9.50	9.50	6.00	2.80	2.50	
Proposed Bridge I	Length (m)	20.00	25.00	25.00	30.00	200.00	200.00	45.00	20.00	20.00	
Span Arrangemer	ıt	1x20m	1x25m	1x25m	1x30m	8x25m	8x25m	3x15m	1x20m	1x20m	
Cost (Abutment in	cluding Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	
Cost (Pier includir	ig Foundation)					9719220.0	9719220.0	2776920.0			
Cost (Super Struc	ture)	5860000.0	7325000.0	7325000.0	8790000.0	58600000.0	58600000.0	13185000.0	5860000.0	5860000.0	
Cost (Super Struc	ture Erection)	126000.0	157500.0	157500.0	189000.0	1260000.0	1260000.0	283500.0	126000.0	126000.0	
Total Cost		8616420	10112920	10112920	11609420	72209640	72209640	18875840	8616420	8616420	

Master Plan Study for Portable Steel Bridge Construction on Feeder and Rural Roads in Bangladesh

D-21

Name of Thana			Boalkhati		Rawzan		Lohag	jora		Fatikchari
Serial Number	• • • • • • • • • • • • • • • • • • • •	56	57	58	64	68	69	70	71	84
Bridge ID		18-08-N4	18-08-N5	18-08-N6	18-09-06	18-10-N1	18-10-N2	18-10-N3	18-10-N4	18-11-N1
Road ID		415124009	415123023	415123023	415745011	415474011	415473008	415474049	415475024	415333040
	Bank to Bank Wide (m)	20.00	42.00	25.00	90.00	54.00	37.00	70.00	55.00	110.00
Water Way	Dry Season Water Depth (m)	2.00	4.00	4.00	0.25	0.00	0.74	2.00	0.35	0.75
3 >	Normal Flood Water depth (m)	3.00	5.00	5.00	2.75	3.01	2.74	3.05	2.60	5.00
Proposed Bridge	e Length (m)	20.00	45.00	25.00	90.00	55.00	40.00	60.00	60.00	110.00
Span Arrangem	ent	1x20m	3x15m	1x25m	3x20m+2x15m	2x15m+1x25m	2x10m+1x20m	3x20m	3x20m	3x20m+2x25m
Cost (Abutment	including Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0
Cost (Pier includ	ting Foundation)		1858150.0		3716300.0	1858150.0	1858150.0	1858150.0	1858150.0	3716300.0
Cost (Super Str.	ucture)	5860000.0	13185000.0	7325000.0	26370000.0	16115000.0	11720000.0	17580000.0	17580000.0	32230000.0
	cture Erection)	126000.0	283500.0	157500.0	567000.0	346500.0	252000.0	378000.0	378000.0	693000.0
Total Cost		8616420	17957070	10112920	33283720	20950070	16460570	22446570	22446570	39269720

District: Chittage	ong									
Name of Thana		•				Fatikchari				
Serial Number		85	86	87	88	89	90	91	92	93
Bridge ID		18-11-N2	18-11-N3	18-11-N4	18-11-N5	18-11-N6	18-11-N7	18-11-N8	18-11-N9	18-11-N10
Road ID		415334007	415334007	415333027	415333042	415333027	415333030	415333034	415333024	415333024
<u> </u>	Bank to Bank Wide (m)	28.00	20.00	25.00	125.00	110.00	85.00	80.00	70.00	75.00
Water Way	Dry Season Water Depth (m)	0.60	0.45	0.90	1.20	1.10	0.90	0.40	0.80	0.80
	Normal Flood Water depth (m)	3.00	3.10	2.60	7.90	7.00	6.90	5.70	5.40	6.10
Proposed Bridge	Length (m)	30.00	20.00	25.00	125.00	110.00	85.00	80.00	70.00	75.00
Span Arrangeme	nt	1x30m	1x20m	1x25m	5x25m	3x20m+2x25m	4x15m+1x25m	4x15m+1x20m	2x25m+1x20m	3x25m
Cost (Abutment in	ncluding Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0
Cost (Pier includi	ng Foundation)				5553840.0	3716300.0	3716300.0	3716300.0	1858150.0	1858150.0
Cost (Super Structure)		8790000.0	5860000.0	7325060.0	36625000.0	32230000.0	24905000.0	23440000.D	20510000.0	21975000.0
Cost (Super Strue	cture Erection)	189000.0	126000.0	157500.0	787500.0	693000.0	535500.0	504000.0	441000.0	472500.0
Total Cost		11609420	8616420	10112920	45596760	39269720	31787220	30290720	25439570	26936070

•

• •
1
41

District: Chittag	gong									
Name of Thana			Fatik	chari			Anowara	Sandip	Chandanaish	
Serial Number		94	95	96	97	99	100	101	103	104
Bridge ID	Bridge ID		18-11-N12	18-11-N13	18-11-N14	18-12-02	18-12-03	18-12-N1	18-14-01	18-15-01
Road ID		415333033	415333033	415334063	415334062	415045030	415045020	415045008	415785074	415183001
Vater Way	Bank to Bank Wide (m)	35.00	70.00	35.00	30.00	20.00	56,00	72.00	53.50	170.00
	Dry Season Water Depth (m)	1.00	0.70	0.75	0.90	3.60	6.50	8.00	1.10	1.50
~	Normal Flood Water depth (m)	2.15	4.65	4.40	4.10	4.22	8.25	8.00	7.37	7.00
Proposed Bridge	e Length (m)	35.00	70.00	35.00	30.00	25.00	30.00	25.00	55.00	190.00
Span Arrangem	ent	2x10m+1x15m	2x25m+1x20m	2x10m+1x15m	1x30m	1x25m	1x30m	1x25m	2x15m+1x25m	6x25m+2x20m
Cost (Abutment	including Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0
Cost (Pier includ	ding Foundation)	1858150.0	1858150.0	1858150.0			1		1858150.0	6503525.0
Cost (Super Structure)		10255000.0	20510000.0	10255000.0	8790000.0	7325000.0	8790000.0	7325000.0	16115000.0	55670000.0
Cost (Super Stru	ucture Erection)	220500.0	441000.0	220500.0	169000.0	157500.0	189000.0	157500.0	346500.0	1197000.0
Total Cost	Total Cost		25439570	14964070	11609420	10112920	11609420	10112920	20950070	66000945

District : Comit	la									
Name of Thana		Laksam	Dautkandi				Brahmanpara	······································		Muradnagar
Serial Number		9	10	21	26	27	28	29	30	33
Bridge ID		19-02-09	19-03-01	19-03-12	19-04-03	19-04-04	19-04-05	19-04-06	19-04-07	19-05-03
Road ID		419723054	419363038	419363004	419152001	419153003	419153017	419153011	419154016	419812003
	Bank to Bank Wide (m)	50.00	270.00	60.00	24.00	25.00	30.00	32.00	50.00	32.00
Water Way	Dry Season Water Depth (m)	0.60	2.25	3.25	0.33	0.60	0.30	0.80	1.20	1.20
	Normal Flood Water depth (m)	5.00	6.50	7.00	4.00	4.50	4.50	4.50	4.10	4.70
Proposed Bridge Length (m)		50	300	75	25	25	30	30	50	35
Span Arrangeme	ant	2x15m+20m	12x25m	3x25m	1x25m	1x25m	1x30m	1x30m	2x15m+20m	2x10m+15m
Abutment Height	t (m)	3.50	5.00	4.80	5.00	6.00	3.00	5.50	4.50	7.50
Pier Height (m)		7.50	7.50	8.50		-	-	-	7.00	8.50
Cost (Abutment i	including Foundation)	2630420.0	4343275.0	2950075.0	2950075.0	2950075.0	2862620.0	2950075.0	2630420.0	3544790.0
Cost (Pier includ	ing Foundation)	2776920.0	15273060.0	2776920.0					2776920.0	2776920.0
Cost (Super Structure)		14650000.0	87900000.0	21975000.0	7325000.0	7325000.0	8790000.0	8790000.0	14650000.0	10255000.0
Cost (Super Stru	cture Erection)	315000.0	1890000.0	472500.0	157500.0	157500.0	189000.0	189000.0	315000.0	220500.0
Total Cost	Total Cost		109406335	28174495	10432575	10432575	11841620	11929075	20372340	16797210

<b></b>									
District : Comil	a								
Name of Thana		Muradnagar	Chowddogram	Nangalkot	Burichong	Dev	dder	Но	ทกล
Serial Number		36	39	41	42	47	48	50	51
Bridge ID		19-05-06	19-06-03	19-07-02	19-08-01	19-09-02	19-09-N1	19-10-02	19-10-N1
Road ID		419813011	419313034	419873007	419182001	419404006	419403018	419543008	419543022
	Bank to Bank Wide (m)	30.00	43.00	105.00	94.00	86.00	84.00	84.00	81.00
Water Way	Dry Season Water Depth (m)	1.00	1.20	1.00	2.20	2.00	2.50	1.30	1.10
5-	Normal Flood Water depth (m)	5.00	5.50	5.00	6.30	6,40	6.50	6.00	5.50
Proposed Bridge	Length (m)	30	45	110	120	120	150	110	80
Span Arrangeme	nt	1x30m	3x15m	2x25m+3x20m	20m+4x25m	20m+4x25m	6x25m	3x20m+2x25m	4×15m+20m
Abutment Height	(m)	6.80	4.00	4.50	5.50	6.50	6.80	3.75	6.00
Pier Height (m)		-	6.00	7.00	7.80	8.00	8.00	8.00	7.50
Cost (Abutment i	ncluding Foundation)	3405470.0	2630420.0	2630420.0	2950075.0	2950075.0	3405470.0	2769740.0	2950075.0
Cost (Pier includ	ing Foundation)		1858150.0	5553840.0	\$553840.0	5553840.0	6942300.0	5553840.0	5553840.0
Cost (Super Stru	cture)	8790000.0	13165000.0	32230000.0	35160000.0	35160000.0	43950000.0	32230000.0	23440000.0
Cost (Super Stru	cture Erection)	189000.0	283500.0	693000.0	756000.0	756000.0	945000.0	693000.0	504000.0
Total Cost		12384470	17957070	41107260	44419915	44419915	55242770	41246580	32447915

District : B-Bar	ia						
Name of Thana	· · · · ·		Bancharampur		Nabir	Akhaura	
Serial Number		24	25	26	27	31	37
Bridge ID		20-04-N1	20-04-N2	20-04-N3	20-05-01	20-05-05	20-07-01
Road ID		412043020	412043005	412043009	412852002	412852004	412023002
	Bank to Bank Wide (m)	130.00	114.00	85.00	55.00	68.00	165.00
Water Way	Dry Season Water Depth (m)	2.00 6.00	3.00 8.00	1.50	1.25	1.00	t.00
>-	Normal Flood Water depth (m)			6.00	5.50	4.50	4.70
Proposed Bridge	: Length (m)	130	130	90	60	75	160
Span Arrangeme	ent	4x20m+2x25m	4x20m+2x25m	2x15m+3x20m	3x20m	3x25m	3x20m+4x25m
Abutment Height	t (m)	6.50	8.50	6.50	5,50	5.00	5.00
Pier Height (m)		8.00	10.00	8.00	7.00	6,50	6.50
Cost (Abutment i	including Foundation)	2950075.0	3405470.0	2950075.0	2950075.0	2950075.0	2950075.0
Cost (Pier includ	ing Foundation)	6942300.0	6942300.0	5553840.0	2776920.0	2776920.0	8330760.0
Cost (Super Stru	Cost (Super Structure)		38090000.0	26370000.0	17580000.0	21975000.0	46880000.0
Cost (Super Stru	Cost (Super Structure Erection)		819000.0	567000.0	378000.0	472500.0	1008000.0
Total Cost		48801375	49256770	35440915	23684995	28174495	59168835

.

District : Chan	ndpur											
Name of Thana	a		Sa	idar		Hajiganj						
Serial Number		2	3	4	5	6	11	12	13	14		
Bridge ID		21-01-N1	21-01-N2	21-01-N3	21-01-N4	21-02-01	21-02-N1	21-02-N2	21-02-N3	21-02-N4		
Road (D		413013002	413013002	413013002	413013002	413495005	413494007	413494003	413495001	413493002		
	Bank to Bank Wide (m)	16.00	26.00	30.00	16.00	50.00	22.00	112.00	27.00	132.00		
Vater Way	Dry Season Water Depth (m)	0.20	1.20	1.00	0.60	1.10	0.60	2.00	0.60	4.50		
	Normal Flood Water depth (m)	3.80	5.00	2.50	2.50	4.00	3.75	6.50	3.50	8.50		
Proposed Bridge Length (m)		20	30	30	20	50	25	120	30	140		
<b>Span Алта</b> ngem	nent	1x20m	1x30m	1x30m	1x20m	2x15m+20m	1x25m	20m+4x25m	1x30m	2x20m+4x25m		
Abutment Heigh	ht (m)	4.80	6.50	4.50	4.50	3,50	4.00	4.00	3.20	4.50		
Pier Height (m)		-	•	<del>_</del>	-	6.00		9.00	-	10.00		
Cost (Abutment	t including Foundation)	2950075.0	3042955.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0		
Cost (Pier inclus	ding Foundation)					1858150.0		5553840.0		6942300.0		
Cost (Super Structure)		5860000.0	8790000.0	8790000.0	5860000.0	14650000.0	7325000.0	35160000.0	8790000.0	41020000.0		
Cost (Super Structure Erection)		126000.0	189000.0	189000.0	126000.0	315000.0	157500.0	756000.0	189000.0	882000.0		
Total Cost	otal Cost		12021955	11609420	8616420	19453570	10112920	44100260	11609420	51474720		

District : Chand	pre.							· · · ·			
Name of Thana			Ma	tlab		Kachua					
Seriat Number		15	18	19	21	25	26	30	32	33	
Bridge ID		21-03-01	21-03-04	21-03-05	21-03-07	21-04-04	21-04-05	21-04-09	21-04-11	21-04-12	
Road ID		413732003	413763011	413762007	413765036	413585098	413585326	413584010	413584028	413585194	
<u>ہ</u> ۔	Bank to Bank Wide (m)	248.00	40.00	15.00	22.00	15.00	21.00	18.00	13.00	12.00	
Water Way	Dry Season Water Depth (m)	6.50	3.50	1.00	0.80	0.50	0.40	0.80	0.30	0.60	
	Normal Flood Water depth (m)	12.00	5.00	4.00	4.50	3.75	4.50	4.50	3.80	2.80	
Proposed Bridge Length (m)		260	40	15	25	15	25	20	15	15	
Span Arrangemer	nt	3x20m+8x25m	2x10m+20m	1x15m	1x25m	1×15m	1x25m	1x20m	1x15m	1x15m	
Abutment Height (	(m)	7.50	3.00	2.20	3.50	4.20	4.50	4.50	3.80	3.50	
Pier Height (m)		10.00	8.20	-		-				-	
Cost (Abutment in	cluding Foundation)	3405470.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	
Cost (Pier includir	ng Foundation)	13884600.0	2776920.0								
Cost (Super Structure)		76180000.0	11720000.0	4395000.0	7325000.0	4395000.0	7325000.0	5860000.0	4395000.0	4395000.0	
Cost (Super Structure Erection)		1638000.0	252000.0	94500.0	157500.0	94500.0	157500.0	126000.0	94500,0	94500.0	
Total Cost		95108070	17379340	7119920	10112920	7119920	10112920	8616420	7119920	7119920	

District : Chanc	dpur				• • • •				
Name of Thana			• • • • •	Kachua			Faric	lganj	Shahrashti
Serial Number		34	35	37	38	39	40	41	44
Bridge ID		21-04-N1	21-04-N2	21-04-N4	21-04-N5	21-04-N6	21-05-01	21-05-02	21-06-03
Road ID	· ·	413584003	413585298	413583023	413585173	413585080	413453009	413453014	413953017
<b>-</b> .	Bank to Bank Wide (m)	21.00	25.00	16.00	25.00	15.00	133.00	100.00	18.00
Water Way	Dry Season Water Depth (m)	0.20	0.60	0.60	0.20	0.40	1.00	6.00	0.60
	Normal Flood Water depth (m)	4.50	5.50	3.50	3.50	3.50	5.50	6.50	2.20
Proposed Bridge Length (m)		25	25	20	30	15	140	100	20.00
Span Arrangeme	ent	1x25m	1x25m	1x20m	1x30m	1x15m	2x20m+4x25m	5x20m	tx20m
Abutment Height	t (m)	4.50	4.50	4.50	4.50	4.00	4.50	6.00	4.00
Pier Height (m)			-	-	-	-	7.50	8.00	
Cost (Abutment i	including Foundation)	2630420,0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2950075.0	2630420.0
Cost (Pier including Foundation)		÷					6942300.0	5553840.0	
Cost (Super Stru	icture)	7325000.0	7325000.0	5860000.0	8790000.0	4395000.0	41020000.0	29300000.0	5860000.0
Cost (Super Stru	cture Erection)	157500.0	157500.0	126000.0	189000.0	94500.0	882000.0	630000.0	126000.0
Total Cost		10112920	10112920	8616420	11609420	7119920	51474720	38433915	8616420

District : Feni										
Name of Thana				Sadar				Porst	wan	
Serial Number		1	3	4	5	7	8	11	13	16
Bridge ID		22-01-01	22-01-03	22-01-04	22-01-05	22-01-07	22-02-01	22-02-04	22-02-06	22-02-09
Road ID		430295083	430295086	430295084	430295116	430295029	430515053	430514002	430515090	430513006
<u> </u>	Bank to Bank Width (m)	19.00	25.00	12.00	9.00	20.00	35.00	50.00	60.00	30.00
Water Way	Dry Season Water Depth (m)	1.20	0.40	0.70	0.00	0.60	2.50	1.50	1.00	2.50
53	Normal Flood Water depth(m)	2.10	2.70	1.80	1.50	2.50	3.80	2.00	2.00	6.80
Proposed Bridge	Length (m)	20	25	15	10	20	40	50	60	30
Span Arrangeme	ent	1x20m	1x25m	1x15m	1x10m	1x20m	2x10m+20m	2x15m+20m	3x20m	1x30m
Abutment Height	t (m)	5.00	4.60	2.50	2.50	3.50	4.00	3.00	5.00	4.50
Pier Height (m)		-	-	-	•	-	6.00	6.50	6.80	-
Cost (Abutment i	including Foundation)	2950075.0	2950075.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2950075.0	2630420.0
Cost (Pier including Foundation)							2776920.0	2776920.0	2776920.0	
Cost (Super Structure)		5860000.0	7325000.0	4395000.0	2930000.0	5860000.0	11720000.0	14650000.0	17580000.0	8790000.0
Cost (Super Stru	cture Erection)	126000.0	157500.0	94500.0	63000.0	126000.0	252000.0	315000.0	378000.0	189000.0
Total Cost		8936075	10432575	7119920	5623420	8616420	17379340	20372340	23684995	11609420

Final Report October, 2002

Master Plan Study for Portable Steel Bridge Construction on Feeder and Rural Roads in Bangladesh

Bangladesh
Consultants
Ltd

District : Feni								
Name of Thana	······································	Porshuram	Daganbhuiyan	Sonagazi		Chaga	inaiya	<u></u>
Serial Number		17	18	21	23	26	27	28
Bridge ID	<u> </u>	22-02-10	22-03-01	22-04-01	22-05-02	22-05-05	22-05-06	22-05-07
Road ID		430513014	430253011	430943016	430144010	430145079	430144002	430144032
Bank to Bank Width (m)		20.00	54.00	23.00	8.00	20.00	98,00	70,00
Water Way	Dry Season Water Depth (m)	1.60	0.80	0.60	0.20	0.40	3,50	3.20
35	Normal Flood Water depth(m)	2.50	4.20	2.50	1.60	1.50	5,20	5.50
Proposed Bridge Length (m)		20	50	25	10	20	100	80
Span Arrangeme		1x20m	3x20m	1x25m	1x10m	1x20m	5x20m	4x15m+20m
Abutment Height		3.00	4.50	3.50	2.80	3.50	4.50	4.50
Pier Height (m)		-	6.50	-	-	-	8,50	8.50
	ncluding Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0
Cost (Pier including Foundation)			2776920.0			,	5553840.0	5553840.0
Cost (Super Structure)		5860000.0	17580000.0	7325000.0	2930000.0	5860000.0	29300000.0	23440000.0
	Cost (Super Structure Erection)		378000.0	157500.0	63000.0	126000.0	630000.0	504000.0
Total Cost			23365340	10112920	5623420	8616420	38114260	32128260

District : Noakl	nali									·····
Name of Thana		Noakha	li Sadar				Begumganj			
Serial Number		1	6	8	10	11	12	13	14	15
Bridge 1D	······································	23-01-01	23-01-06	23-02-02	23-02-04	23-02-05	23-02-06	23-02-07	23-02-08	23-02-09
Road ID		475873008	475873036	475074055	475074032	475073017	475073030	475074085	475075028	475075026
	Bank to Bank Wide (m)	55.00	48.00	25.00	45.00	35.00	53.00	26.00	13.50	17.00
Water Way	Dry Season Water Depth (m)	1.80	1.00	1.75	1.20	1.90	1.80	0.80	0.60	1.50
35	Normal Flood Water depth (m)	5.00	3,50	4.20	5.00	3.30	5.50	4.50	4.00	3.10
Proposed Bridge	Length (m)	60	50	25	50	40	50	25	15	15
Span Anangeme		3x20m	2×15m+20m	1x25m	2x15m+20m	2x10m+20m	2x15m+20m	1x25m	1x15m	1x15m
Abutment Heigh		3.50	3.50	2.50	2.80	3.00	3.00	3.00	2.50	3.00
Pier Height (m)		7.00	5.2	•	6.00	5.00	7.00	-	-	-
	including Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0
	ling Foundation)	2776920.0	1858150.0		1858150.0	1858150.0	2776920.0			
Cost (Super Stru		17580000.0	14650000.0	7325000.0	14650000.0	11720000.0	14650000.0	7325000.0	4395000.0	4395000.0
	Icture Erection)	378000.0	315000.0	157500.0	315000.0	252000.0	315000.0	157500.0	94500.0	94500.0
Total Cost		23365340	19453570	10112920	19453570	16460570	20372340	10112920	7119920	7119920

•

·										
District : Noakh	1ali									
Name of Thana		Begu	imganj	Cha	itkhil	1	Companiganj		Ha	tiya
Serial Number		16	17	21	23	24	25	27	28	29
Bridge ID		23-02-10	23-02-11	23-03-04	23-03-06	23-04-01	23-04-02	23-04-04	23-05-01	23-05-N1
Road ID		475074087	475074086	475104024	475104039	475214022	475212004	475213015	475363010	Unidentified
<b></b>	Bank to Bank Wide (m)	17.00	48.00	13.00	24.00	146.00	366,00	132.00	74.00	149.00
Vater Vay	Dry Season Water Depth (m)	1.80	1.80	0.80	2.00	0.80	0.80	1.50	1.60	1.20
	Normal Flood Water depth (m)	3.00	5.50	3.50	4.00	3.00	3.50	4.00	4.50	7.82
Proposed Bridge	Length (m)	20	50	15	25	155	350	150	75	150
Span Arrangeme	ent	1x20m	2x15m+20m	1x15m	1x25m	4x20m+3x25m	14x25m	6x25m	3x25m	6x25m
Abutment Height	(m)	3.00	3.50	3.80	3.60	4.50	5.50	4.50	3.50	5.00
Pier Height (m)		-	7.00	-	-	8.00	8.00	7.50	7.00	9.00
Cost (Abutment i	ncluding Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2950075.0	2630420.0	2630420.0	2950075.0
Cost (Pier includi	ing Foundation)		2776920.0			8330760.0	18049980.0	6942300.0	2776920.0	6942300,0
Cost (Super Strue	cture)	5860000.0	14650000.0	4395000.0	7325000.0	45415000.0	102550000.0	43950000.0	21975000.0	43950000.0
Cost (Super Strue	cture Erection)	126000.0	315000.0	94500.0	157500.0	976500.0	2205000.0	945000.0	472500.0	945000.0
Total Cost		8616420	20372340	7119920	10112920	57352680	125755055	54467720	27854840	54787375

District : Laxmi	pur			····	
Name of Thana		Si	adar	Raipur	Ramganj
Serial Number		2	7	10	11
Bridge ID		24-01-02	24-01-07	24-02-01	24-03-01
Read ID		451435062	451433030	451583022	451653025
	Bank to Bank Wide (m)	35.00	35.00	78.00	20.00
Water Way	Dry Season Water Depth (m)	1.40	0.75	0.80	0.20
>-	Normal Flood Water depth (m)	4.00	3.00	4.40	3.00
Proposed Bridge	Length (m)	40	35	60	20
Span Arrangeme	at	2x 10m+20m	2x10m+1x15m	4x15m+20m	1x20m
Abutment Height	(m)	4.00	3.50	4.60	3.00
Pier Height (m)		6.20	5.00	7.50	-
Cost (Abutment i	ncluding Foundation)	3327020.0	2909060.0	2950075	2630420.0
Cost (Pier includi	ing Foundation)	2776920.0	1858150.0	5553840	
Cost (Super Stru	cture)	11720000.0	10255000.0	23440000	5860000.0
Cost (Super Stru	cture Erection)	252000.0	220500.0	504000	126000.0
Total Cost		18075940	15242710	32447915	8616420

PRO	JECT	COST

District : Cox's	Bazar									· · · · · · · · · · · · · · · · · · ·
Name of Thana		Sa	idar		Ramu			Uk	hia	
Serial Number		1	3	4	5	6	9	10	11	12
Bridge ID		25-01-01	25-01-03	25-02-01	25-02-02	25-02-03	25-03-02	25-03-03	25-03-04	25-03-05
Road ID		422242001	422244004	422663017	422663010	422663010	422944041	422943005	422943005	422944060
= \	Bank to Bank Wide (m)	300.00	35.00	45.00	40.00	120.00	22.00	30.00	25.00	34.00
Watel Way	Dry Season Water Depth (m)	3.80	2.00	1.10	1.00	1.00	1.00	1.00	1.00	0.50
5-	Normal Flood Water depth (m)	6.50	5.00	2.50	3.00	4.00	2.50	3.00	3.50	3.00
Proposed Bridge	a Longth (m)	300.00	40.00	45.00	45.00	120.00	25.00	30.00	25.00	35.00
Span Arrangem	ent	12x25m	2x10m+1x20m	3x15m	3x15m	4x25m+1x20m	1x25m	tx30m	1x25m	2x10m+1x15m
Cost (Abutment	including Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0
Cost (Pier includ	ting Foundation)	15273060.0	1858150.0	1858150.0	1858150.D	3716300.0				1858150.0
Cost (Super Stru	ucture)	8790000.0	11720000.0	13185000.0	13185000.0	35160000.0	7325000.0	8790000.0	7325000.0	10255000.0
Cost (Super Stn	scture Erection)	1890000.0	252000.0	283500.0	283500.0	756000.0	157500.0	189000.0	157500.0	220500.0
Total Cost		107693480	16460570	17957070	17957070	42262720	10112920	11609420	10112920	14964070

٠

District : Cox's	Bazar								
Name of Thana		Ukhia Moheskh				· · · · · · · · · · · · · · · · · · ·	Kutubdia		
Serial Number		13	14	16	17	18	19	20	
Bridge ID		25-03-06	25-03-07	25-04-01	25-04-02	25-04-03	25-05-01	25-05-02	
Road ID		422944029	422943004	422492002	422493004	422493004	422454022	422454021	
)   	Bank to Bank Wide (m)	21.00	72.00	265.00	60.00	75.00	55.00	42.00	
Water W <i>B</i> Y	Dry Season Water Depth (m)	1.00	1.00	4.43	1.22	2.27	1.30	1.30	
>	Normal Flood Water depth (m)	2.50	5.00	7.27	3.28	4.33	3.50	3.50	
Proposed Bridge	Length (m)	20.00	75.00	105.00	40.00	60,00	55.00	40.00	
Span Arrangeme	int	1x20m	3x25m	4x20m+1x25m	2x10m+1x20m	3x20m	2x15m+1x25m	2x10m+1x20m	
Cost (Abutment i	ncluding Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	
Cost (Pier includ	ing Foundation)		1858150.0	5553840.0	1858150.0	1858150.0	1858150.0	1858150.0	
Cost (Super Stru	clure)	5860000.0	21975000.0	30765000.0	11720000.0	17580000.0	16115000.0	11720000.0	
Cost (Super Stru	cture Erection)	126000.0	472500.0	661500.0	252000.0	378000.0	346500.0	252000.0	
Total Cost		8616420	26936070	39610760	16460570	22446570	20950070	16460570	

Bangladesh Consultants Ltd

Ł

Master Plan Study for Portable Steel Bridge Construction on Feeder and Rural Roads in Bangladesh

Final Report October, 2002

•

District: Ranga	mati									<u> </u>
Name of Thana	}	1	Sa	dar	<u></u>	Kawkhali		Bagha	ichari	
Serial Number		1	2	3	4	5	6	7	8	11
Bridge ID		26-01-01	26-01-02	26-01-03	26-01-04	26-02-01	26-03-01	26-03-02	26-03-03	26-03-06
Road ID		484872002	484872002	484872002	484872001	484253002	484072003	454072003	484072003	484073001
	Bank to Bank Wide (m)	312.00	105.00	26.00	21.00	32.00	45.00	40.00	75.00	60.00
Vater Way	Dry Season Water Depth (m)	2.60	2.00	8.60	3.60	1.19	0.50	0.50	0.65	1.50
5-	Normal Flood Water depth (m)	6.60	5.50	5.00	7,40	2.79	5.50	5.50	6.20	6.50
Proposed Bridge	e Length (m)	350.00	115.00	40.00	25.00	35.00	30.00	40.00	75.00	60.00
Span Arrangemi	ent	14x25m	3x25m+2x20m	2x10m+1x20m	1x25m	2x10m+1x15m	1x30m	2x10m+1x20m	3x25m	3x20m
Cost (Abutment	including Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0
Cost (Pier includ	ling Foundation)	18049960.0	5553840.0	1858150.0		1858150.0		1858150.0	1858150.0	1858150.0
Cost (Super Stru	cture)	102550000.0	33695000.0	11720000.0	7325000.0	10255000.0	8790000.0	11720000.0	21975000.0	17580000.0
Cost (Super Stru	ucture Erection)	2205000.0	724500.0	252000.0	157500.0	220500.0	189000.0	252000.0	472500.0	376000.0
Fotal Cost		125435400	42603760	16460570	10112920	14964070	11609420	16460570	26936070	22446570

District: Rangam	nati							
Name of Thana		Kaptai	Jura	chari		Lan	gadu	
Serial Number		Kaptai         Jurachari         1           12         13         14         15         16					17	18
Bridge ID		26-04-01	26-05-01	26-05-N1	26-06-N1	26-06-N2	26-06-N3	26-06-N4
Road ID		484362001	484472001	484473004	484583007	484583007	484583007	484584004
 5 ->	Bank to Bank Wide (m)	39.00	30.00	200.00	34.00	32.00	35.00	35.00
Water Way	Dry Season Water Depth (m)	1.40	2.40	1.52	1.30	1.19	3.00	2.79
	Normal Flood Water depth (m)	3.50	5.68	7.01	3.50	2.79	5.50	5.10
Proposed Bridge	Length (m)	35.00	30.00	200.00	35.00	30.00	35.00	35.00
Span Arrangemer	nt	2x10m+1x15m	1x30m	8×25m	2x10m+1x15m	1x30m	2x10m+1x15m	2x10m+1x15m
Cost (Abutment in	cluding Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0
Cost (Pier includin	g Foundation)	1858150.0	······································	6503525.0	1858150.0	··	2776920.0	2776920.0
Cost (Super Struc	ture)	10255000.0	8790000.0	58600000.0	10255000.0	8790000.0	10255000.0	10255000.0
Cost (Super Struc	ture Erection)	220500.0	189000.0	1260000.0	220500.0	189000.0	220500.0	220500.0
Total Cost		14964070	11609420	68993945	14964070	11609420	15882840	15882840

•

## PROJECT COST

Bangladesh Consultants Ltd

District: Khagra	chari						·			
Name of Thana		Noha	lichari	Ramgar						
Serial Number		3	4	7	8	9	10			
Bridge tD		27-01-03	27-01-04	27-02-03	27-02-04	27-02-05	27-02-06			
Road ID		446654010	446652002	446803009	446803013	446802001	446804018			
	Bank to Bank Width (m)	73.00	70.00	18.00	30.00	18.00	60.00			
Water Way	Dry Season Water Depth (m)	1.1	0.9	0.2	0.6	0.5	0.30			
	Normal Flood Water depth(m)	5.38	5,59	3.5	1.8	3	7.3			
Proposed Bridge	Length (m)	65.00	70.00	20.00	30,00	15.00	65.00			
Span Arrangeme	nt	1x25m+2x20m	2x25m+1x20m	1x20m	1x30m	1x15m	1x25m+2x20m			
Cost (Abutment i	ncluding Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0			
Cost (Pier includi	ng Foundation)	1858150.0	1858150.0				1858150.0			
Cost (Super Struc	sture)	19045000.0	20510000.0	5860000.0	8790000.0	4395000.0	19045000.0			
Cost (Super Struk	cture Erection)	409500.0	441000.0	126000.0	189000.0	94500.0	409500.0			
Total Cost		23943070	25439570	8616420	11609420	7119920	23943070			

District : Banda	npan	······································							
Name of Thana			· · · · · · · · · · · · · · · · · · ·	Naikhengchari		<u> </u>	<u> </u>	Sadar	
Serial Number		3	4	5	6	7	8	9	10
Bridge ID		28-02-N1	28-02-N2	28-02-N3	28-02-N4	28-02-N5	28-03-N1	28-03-N2	28-03-N3
Road ID		403734023	403734007	403734005	403734021	403734015	403142001	403142002	403142002
	Bank to Bank Wide (m)	28.00	48.00	37.00	37.00	32.00	30.00	30.00	25.00
Vater Way	Dry Season Water Depth (m)	0.60	0.90	1.00	1.00	0.45	0.25	0.15	0,15
	Normal Flood Water depth (m)	4.00	7.00	6.50	6.5	4.20	3.00	1.50	1.30
Proposed Bridge	Length (m)	25.00	45.00	35.00	35.00	30,00	35.00	25.00	20.00
Span Arrangeme	nt	1x25m	3x15m	2x10m+1x15m	2x10m+1x15m	1x30m	2x10m+1x15m	1x25m	1x20m
Cost (Abutment i	ncluding Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0
Cost (Pier includi	ng Foundation)		1858150.0	1858150.0	1858150.0		1858150.0		
Cost (Super Stru	cture)	7325000.0	13185000.0	10255000.0	10255000.0	8790000.0	10255000.0	7325000.0	5860000.0
Cost (Super Stru	cture Erection)	157500.0	283500.0	220500.0	220500.0	189000.0	220500.0	157500.0	126000.0
Total Cost		10112920	17957070	14964070	14964070	11609420	14964070	10112920	8616420

PROJECT COST
--------------

District: Syll	het									
Name of Tha	BNA	Sa Sa	dar	1		Goainghat		• • • • • • • • • • • • • • • • • • •	Bata	agonj
Serial Numbe	et	11	4	7	8	9	10	11	12	13
Bridge ID		29-01-01	29-01-04	29-02-01	29-02-02	29-02-03	29-02-04	29-02-05	29-03-01	29-03-02
Road ID		691622003	691623047	691414001	691413004	691413003	691413003	691412003	691083003	691084026
er ^	Bank to Bank Wide (m)	35m	25m	43m	90m	125m	90m	104m	50m	62m
Vater Way	Dry Season Water Depth (m)	0.5m	2.5m	1.33m	9.20m	0.09m	0.22m	7.5m	4m	208
<u> </u>	Normal Flood Water depth(m)	6m	4៣	4.35m	15.14m	4.37m	5.71m	9.5m	500	5m
Proposed Bri	idge Length (m)	100m	25m	40m	90m	125m	90m	100m	50m	80m
Span Arrange	ement	5x20m	1x25m	2x10m+1x20m	3x20m+2x15m	5×25m	3x20m+2x15m	5x20m	2x15m+1x20m	4x15m+1x20m
Cost (Abutme	ent including Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0
Cost (Pier inc	cluding Foundation)	5553840.0		1858150.0	5553840.0	5553840	5553840.0	5553840.0	1858150.0	5553840.0
Cost (Super S	Structure)	29300000.0	7325000	11720000.0	26370000.0	36625000	26370000.0	29300000.0	14650000.0	23440000.0
Cost (Super S	Structure Erection)	630000.0	157500	252000.0	567000.0	787500	567000.0	630000.0	315000.0	504000.0
Total Cost		38114260	10112920	16460570	35121260	45596760	35121260	38114260	19453570	32128260

District: Sylhe		<u></u>					······			······
Name of Than	18				Bishownath					tapur
Serial Number	r	16	17	18	19	20	21	22	23	24
Bridge (D		29-04-01	29-04-02	29-04-03	29-04-N1	29-04-N2	29-04-N3	29-04-N4	29-05-01	29-05-02
Road ID		691203004	691203008	691202003	691204001	691204001	691205065	691203005	691534008	691533004
* ~	Bank to Bank Wide (m)	80m	<b>45</b> m	47	\$5m	25m	45m	75m	30m	50m
Vater Way	Dry Season Water Depth (m)	1.76m	1.5m	1.25m	1.90m	1.50m	150	2m	1.00	1.00
<u>^</u>	Normal Flood Water depth(m)	6.5m	4.5m	4.5m	4.10m	5.45m	4.9m	5.64m	4.5m	3.5m
Proposed Brid	ge Length (m)	65	50	50	50m	20m	45m	70m	45	50
Span Arranger	ment	2x20+1x25	2x15m+1x20m	2x15m+1x20m	2x15m+1x20m	1×20m	3x15m	2x25m+1x20m	3x15m	2x15m+1x20m
Cost (Abutmer	nt including Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0
Cost (Pier inclu	uding Foundation)	2776920.0	1856150.0	1858150.0	1858150.0		1858150.0	1658150	1858150.0	1858150.0
Cost (Super Si	tructure)	19045000,0	14650000.0	14650000.0	14650000.0	5860000	13185000.0	20510000	13185000.0	14650000.0
Cost (Super St	tructure Erection)	409500.0	315000.0	315000.0	315000.0	126000	283500.0	441000	283500.0	315000.0
Total Cost		24861840	19453570	19453570	19453570	8616420	17957070	25439570	17957070	19453570

۲

District: Sylhel	t		······································		,					
Name of Thana	2	Jointapur	Bian	ibazar	Golar	Golapgonj		Kanighat		Companigonj
Serial Number		25	28	29	33	34	35	36	37	38
Bridge ID		29-05-03	29-06-03	29-06-04	29-07-01	29-07-02	29-08-01	29-08-02 29-06-03		29-09-01
Road ID		691533004	691173005	691174001	691384018	691383002	691592005	691595001	691593005	691273016
5 5	Bank to Bank Wide (m)	50m	20m	38m	36	23	20m	32m	92m	130m
Vatel Way	Dry Season Water Depth (m)	0.5m	0.75m	100	0.9m	1	0.3m	0.3m	2m	1
	Normal Flood Water depth(m)	3.5m	4m	4-00	3.60m	3,26	4m	7.5m	8.5m	3.Bm
Proposed Bridg	e Length (m)	50m	25m	40m	35m	20m	25m	40m	90m	130
Span Arrangem	nent	2x15m+1x20m	1x25m	2x10m+1x20m	2x10m+1x15m	1x20m	1x25m	2x10m+1x20m	3x20m+2x15m	4x20m+2x25m
Cost (Abutment	t including Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0
Cost (Pier inclu	ding Foundation)	1858150.0		1858150.0	1858150.0			1658150.0	5553840.0	4645375
Cost (Super Stre	ructure)	14650000.0	7325000	11720000.0	10255000.0	5860000	7325000	11720000.0	26370000.0	38090000
Cost (Super Str	ructure Erection)	315000.0	157500	252000.0	220500.0	126000	157500	252000.0	567000.0	819000
Total Cost		19453570	10112920	16460570	14964070	8616420	10112920	16460570	35121260	46184795

:

District: Sylt	net				7
Name of Tha	102		Zakigonj		Fenchugonj
Serial Numbe	э <b>х</b>	45	46	47	49
Bridge ID		29-10-N1	29-10-N2	29-10-N3	29-11-02
Road ID		691943018	691943018	691943018	691053006
<u>ل</u>	Bank to Bank Wide (m)	45m	18m	16m	44m
Water Way	Dry Season Water Depth (m)	0.5m	0.60m	0.2m	0.5m
	Normal Flood Water depth(m)	6.75m	6.25m	5m	10.5m
Proposed Bri	dge Length (m)	45m	20m	15m	40(1)
Span Arrange	ement	3x15m	1x20m	1x15m	2x10m+1x20m
Cost (Abutme	ant including Foundation)	2630420.0	2630420.0	2630420.0	2630420.0
Cost (Pier inc	luding Foundation)	1658150.0			1858150.0
Cost (Super S	Structure)	13185000.0	5860000	4395000	11720000.0
Cost (Super S	Structure Erection)	283500.0	126000	94500	252000.0
otal Cost		17957070	8616420	7119920	16460570

## PROJECT COST

District: Mou	ulvibazar						
Name of Tha	ină	Bari	ekha	Sreemongal	Kamolgonj	Rajnagar	Sadar
Serial Numbe	er	10	12	16	17	18	19
Bridge ID		30-02-04	30-02-06	30-03-01	30-04-01	30-05-01	30-06-01
Road ID		658142004	658143008	658833007	658563032	658803018	658743048
* ~	Bank to Bank Wide (m)	j 29m	23m	15m	80m	14m	128m
water Way	Dry Season Water Depth (m)	2.31m	0.7m	0.2m	0.6m	1.35m	1.2m
	Normal Flood Water depth(m)	6m	3.2m	2m	4.2m	4.75m	6m
Proposed Bri	dge Length (m)	30m	20m	20m	70m	20m	130m
Span Arrang	ement	1x30m	1x20m	1x20m	2x25m+1x20m	1x20m	4x20m+2x25m
Cost (Abutme	ent including Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0
Cost (Pier inc	suding Foundation)			ļ	1858150		6942300
ost (Super Structure)		8790000	5860000	5860000	20510000	5860000	38090000
Cost (Super Structure Erection)		189000	126000	126000	441000	126000	819000
Total Cost	Total Cost		8616420	8616420	25439570	8616420	48481720

District: Suna	ហាឮ០៧	······		<u> </u>	·		····			
Name of Than	14			Sac	far			Darmopasha	D	erai
Serial Number	r	3	4	6	10	11	12	14	16	17
Bridge 1D		31-01-03	31-01-04	31-01-06	31-01-N1	31-01-N2	31-01-N3	31-03-01	31-04-02	31-04-03
Road ID		690892009	690893003	690893001	690893012	690892009	690893002	690322001	690292003	690293006
* ~	Bank to Bank Wide (m)	50.0 m	65.0 m	40.0 m	100	50	60	110.0	170.0	146
Vater Way	Dry Season Water Depth (m)	1	3.60 m	1.0 m	2.4	1	2.4	1.0	5.0	6
5 -	Normal Flood Water depth(m)	3.7	6.0 m	4.0 m	8.6	3.7	8.6	4.0	7.0	10
Proposed Bride	ge Length (m)	60	70m	50m	120	60	80	120	175	160
Span Arrangen	ment	3x20m	2x25m+1x20m	2x15m+1x20m	4x25m+1x20m	3x20m	4x15m+1x20m	4x25m+1x20m	7x25m	4x25m+3x20m
Cost (Abutmen	nt including Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0
Cost (Pier inclu	uding Foundation)	1858150	2776920	1858150.0	5553840	1858150	5553840.0	5553840	8330760	8330750
Cost (Super St	tructure)	17580000	20510000	14650000.0	35160000	17580000	23440000.0	35160000	51275000	46880000
Cost (Super Structure Erection)		376000	441000	315000.0	756000	378000	504000.0	756000	1102500	1008000
Total Cost		22446570	26358340	19453570	44100260	22446570	32128260	44100260	63338680	58849180

÷

Final Report October, 2002

0 4

District: Sunamgonj

Proposed Bridge Length (m)

Cost (Abutment including Foundation)

Cost (Pier including Foundation)

Cost (Super Structure Erection)

Span Arrangement

Cost (Super Structure)

Total Cost

Bank to Bank Wide (m)

Dry Season Water Depth (m)

Normal Flood Water depth(m)

Name of Thana

Serial Number

Bridge ID

Road ID

Water Way

## Dowarabazar 33 31-06-N1 690332002 100 1.3 3.1 100 5x20m 3x20m+2x15m 2630420.0 5553840.0 29300000.0

630000.0

38114260

32

31-06-02

690332002

90

3

4.24

90

2630420.0

5553840.0

26370000.0

567000.0

35121260

Jagannathpur

26

31-05-02

690474019

45

1.5

7,5

50

2x15m+1x20m

2630420.0

1858150.0

14650000.0

315000.0

19453570

29

31-05-05

690472001

27

1.5

6

30

1x30m

2630420.0

8790000

189000

11609420

District: Suna		Dowarabazar		Jam	algonj		Shulla	Chatak	Taherpur	
Vame of Thar		34	35 38 39		40	41	43	44	45	
Serial Number	۲	31-06-N2	31-07-01	31-07-N1	31-07-N2	31-07-N3	31-08-01	31-09-N1	31-10-01	31-10-N1
Bridge ID		690332001	690504003	690502004	690502003	690502003	690862002	Not identified	690922001	690922002
Road ID			60	45	40	60	60	36	40	150m
le >	Bank to Bank Wide (m)	40		1.82		1.8	2	0.5	2	1.5m
Wate	Dry Season Water Depth (m)	3	2.5		┟───╴╴╴╴╴╴╴╴┤	3.8		4.6	6.2	5.5m
	Normal Flood Water depth(m)	4	4.0	4.1				35	40	125
Proposed Brid	ige Length (m)	40	40	45	40	60	60			
Span Amange	500C	2x10m+1x20m	2x10m+1x20m	3x15m	2x10m+1x20m	3x20m	3x20m	2x10m+1x15m	2x10m+1x20m	5x25m
	nt including Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0
	luding Foundation)	1858150.0	1858150.0	1858150.0	1858150.0	1858150	1858150	1858150.0	1858150.0	5553840
		11720000.0	11720000.0	13185000.0	11720000.0	17580000	17580000	10255000.0	11720000.0	36625000
		252000.0	252000.0	283500.0	252000.0	378000	378000	220500.0	252000.0	787500
Cost (Super Structure Erection)		16460570	16460570	17957070	16460570	22446570	22446570	14964070	16460570	45596760

## **PROJECT COST**

23

31-04-09

690293017

60

1.0

3.0

65.0

2x20+1x25

2630420.0

2776920.0

19045000.0

409500.0

24861840

24

31-04-N1

690292001

40

2.5

4.5

40

2x10m+1x20m

2630420.0

1858150.0

11720000.0

252000.0

16460570

Derai

22

31-04-08

690292004

35

2

3.5

40

2x10m+1x20m

2630420.0

1858150.0

11720000.0

252000.0

16460570

19

31-04-05

690293012

100

5.4

7.8

90.0

3x20m+2x15m

2630420.0

5553840.0

26370000.0

567000.0

35121260

18

31-04-04

690294015

65

5.4

7.8

70.0

2x25m+1x20m

2630420.0

2776920

20510000

441000

26358340

## District: Sunamgon Taherpur Biswamberpur Name of Thana 53 49 50 51 52 48 46 47 Serial Number 31-11-N3 31-11-N1 31-11-N2 31-10-N2 31-10-N4 31-10-N5 31-10-N6 31-10-N3 Bridge ID 690182003 690182004 690182004 690922005 690922005 690924002 690922003 690922001 Road ID 30 100 35 100m 40 45 130m 130m Bank to Bank Wide (m) Water Way 2 1.5 1.2 1 0m 1.5m 1.5m 1 Dry Season Water Depth (m) 4.5 4.5 3.5 5 4.74 5.5m 5m 5.5m Normal Flood Water depth(m) 50m 55m 80m 150m 120 85 30m 125 Proposed Bridge Length (m) 2x15m+1x25m 2x15m+1x20m 4x15m+1x20m 6x25m 1x30m 4x15m+1x25m 5x25m 4x25m+1x20m Span Arrangement 2630420.0 2630420.0 2630420.0 2630420.0 2630420.0 2630420.0 2630420.0 2630420.0 Cost (Abutment including Foundation) 1858150.0 1858150.0 5553840.0 6942300 5553840 5553840 3716300 Cost (Pier including Foundation) 14650000.0 23440000.0 16115000.0 24905000 8790000 43950000 36625000 35160000 Cost (Super Structure) 315000.0 504000.0 346500.0 945000 756000 535500 189000 787500 Cost (Super Structure Erection) 20950070 19453570 32128260 54467720 11609420 44100260 31787220 45596760 Total Cost

		· · · · · · · · · · · · · · · · · · ·				<u> </u>				
District: Hobig		<u>,                                     </u>	Sadar			Nabigoni		Bahubal	Chur	arughat
Name of Than	a				<u></u>		11	12	16	17
Serial Number		3		5						32-04-N1
Bridge 1D		32-01-N1	32-01-N2	32-01-N3	32-02-01	32-02-03	32-02-N1	32-03-01	32-04-01	
Road ID		636443016	636443003	636443018	636773028	636774025	636775159	636054019	┉╧╾╾╾┥╌╌╴╼╼╼╼╴┨╌╌╌┈╸	
	Bank to Bank Wide (m)	50m	40m	80m	100m	60m	100m	38m	33m	35m
Water Wey	Dry Season Water Depth (m)	1,5m	1.5m	9.6m	0.6m	0.4m	ta	tm	Ø.6m	0.5m
	Normal Flood Water depth(m)	6.5m	5m	4.25m	3.4m	4.5m	<del>5</del> m	3.1m	2.25m	3.62m
Proposed Bridg		45m	40m	75m	100m		100	40	m0a	<u>50m</u>
Span Arrangen		3x15m	2x10m+1x20m	3x25m	5x20m	3x20m	5x20m	2x10m+1x20m	3x20m	2x15m+1x20m
	t including Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0
	uding Foundation)	1858150.0	1658150.0	1858150	5553840.0	1858150	5553840.0	1858150.0	1858150	1858150.0
Cost (Super St		13185000.0	11720000.0	21975000	29300000.0	17580000	29300000.0	11720000.0	17580000	14650000.0
Cost (Super Structure Erection)		283500.0	252000.0	472500	630000.0	378000	630000.0	252000.0	378000	315000.0
Total Cost		17957070	16460570	26936070	38114260	22446570	38114260	16460570	22446570	19453570

## PROJECT COST

District: Hobigonj	
Name of Thana	
Serial Number	
Bridge ID	
Road ID	
2	Bank to Bank Wide
Water Way	Dry Season Water D
>	Normal Flood Water
Proposed Bridge Le	ngth (m)
Span Arrangement	

District: Hob	igonj				
Name of Tha	na	Chunarughat	Baniac	:hong	
Serial Numbe	r	18	19	20	
Bridge ID		32-04-N2	32-05-N1	32-05-N2	
Road ID		636264010	636112002	636112002	
<u>ل</u>	Bank to Bank Wide (m)	100m	62m	48m	
Water Way	Dry Season Water Depth (m)	1.2m	0.7m	0.6m	
<u> </u>	Normal Flood Water depth(m)	3.7m	2.60m	5m	
Proposed Brid	lge Length (m)	135m	50m	50m	
Span Arrange	ment	3x25m+3x20m	2x15m+1x20m	2x15m+1x20m	
Cost (Abutme	nt including Foundation)	2630420.0	2630420.0	2630420.0	
Cost (Pier incl	luding Foundation)	6942300	1858150.0	1858150.0	
Cost (Super S	Structure)	39555000	14650000.0	14650000.0	
Cost (Super S	Structure Erection)	850500	315000.0	315000.0	
Total Cost		49978220	19453570	19453570	

Master Plan Study for Portable Steel Bridge Construction on Feeder and Rural Roads in Bangladesh

.

District : Khulna										
Name of Thana		Ter	khada	Da	ikop	Bot	ighat	· · · · · · · · · · · · · · · · · · ·	Paikgasa	
Serial Number		1	2	6	9	14	16	18	21	26
Bridge ID		33-01-01	33-01-02	33-02-04	33-02-N1	33-04-02	33-04-N1	33-06-01	33-05-04	33-06-09
Road ID		247943008	247942004	247172004	247173004	247123026	247122009	247642008	247642008	247642003
	Bank to Bank Wide (m)	53.00	48.00	19:00	28.50	51.00	45.00	165.00	210.00	232.00
Water Way	Dry Season Water Depth (m)	2.44	3.30	1.29	2.85	4.05	1.90	11.37	4.15	11.39
	Normal Flood Water depth (m)	5.80	5.26	1.76	3.51	5.60	2.41	12.27	4.46	12.15
Proposed Bridge	Length (m)	45.00	50.00	20.00	30	50.00	45.00	180.00	210.00	250.00
Span Arrangeme	nt	3x15m	2x15m+1x20m	1x20m	1x30m	2x15m+1x20m	3x15m	4x25m+4x20m	6x25m+3x20m	10x25m
Cost (Abutment in	ncluding Foundation)	2630420	2630420	2630420	2630420	2630420	2630420	2630420	2630420	2630420
Cost (Pier includi	ng Foundation)	1858150	1858150			1858150	1858150	9719220	11107680	12496140
Cost (Super Struc	cture)	13185000	14650000	5860000	8790000	14650000	13185000	52740000	61530000	73250000
Cost (Super Struc	cture Erection)	283500	315000	126000	189000	315000	283500	1134000	1323000	1575000
Total Cost		17957070	19453570	8616420	11609420	19453570	17957070	66223640	76591100	89951560

District : Khulna	a					
Name of Thana		Koyra	Dighlia	Rupsha		
Serial Number		29	30	31	32	
Bridge ID		33-07-01	33-08-01	33-09-01	33-09-N1	
Road ID		247533048	247402001	247752004	247754032	
<b>5</b> >	Bank to Bank Wide (m)	28.00	362.00	160.00	199.00	
Water Way	Dry Season Water Depth (m)	1.00	12.00	4.80	12.10	
	Normal Flood Water depth (m)	2.14	14.00	6.00	13.77	
Proposed Bridge	Length (መ)	30.00	370.00	160.00	205.00	
Span Arrangeme	nt	1x30m	14x25m+1x20m	4x25m+3x20m	5x25m+4x20n	
Cost (Abutment i	ncluding Foundation)	2630420	2630420	2630420	2630420	
Cost (Pier includi	ng Foundation)		19438440	5574450	11107680	
ost (Super Structure)		8790000	108410000	46880000	60065000	
Cost (Super Strue	cture Erection)	189000	2331000	1008000	1291500	
Total Cost		11609420	132809860	56092870	75094600	

-

D-38

### District : Bagerhat Sadar Mollarhat Name of Thana 13 10 12 5 6 7 8 3 4 Serial Number 34-02-05 34-01-N6 34-02-02 34-02-04 34-01-N3 34-01-N4 34-01-N5 34-01-N1 34-01-N2 Bridge ID 201564022 201084023 201084023 201083009 201083044 201563004 201563013 Road ID 201083005 201083010 23.00 34.00 29.00 23.00 44.00 75.00 56.00 Bank to Bank Wide (m) 39.00 26.00 Water Way 3.96 3.00 1.20 0.60 2.70 1.14 5.34 Dry Season Water Depth (m) 2.70 1.20 2.00 5.96 8.53 4.86 4.00 3.00 Normal Flood Water depth (m) 4,00 2.40 4.00 25.00 40.00 80.00 80.00 35.00 30.00 20,00 40.00 45.00 Proposed Bridge Length (m) 4x15m+1x20m 4x15m+1x20m 2x10m+1x15m 1x30m 1x20m 1x25m 3x15m 2x10m+1x20m 2x10m+1x20m Span Arrangement 2630420 2630420 2630420 2630420 2630420 2630420 2630420 2630420 2630420 Cost (Abutment including Foundation) 5553840 5553840 1858150 1858150 1858150 1858150 Cost (Pier including Foundation) 10255000 5860000 7325000 11720000 13185000 11720000 23440000 23440000 8790000 Cost (Super Structure) 220500 157500 252000 283500 252000 504000 504000 189000 126000 Cost (Super Structure Erection) 11609420 8616420 10112920 16460570 17957070 16460570 32128260 32128260 14964070 Total Cost

District : Bagerl	hat								~ <u></u>			
Name of Thana		<b></b>	Fak	irhat		Rampál						
Serial Number 14 15 16 20 23 24 25				26	27							
Bridge ID 34-03-01 34-03-02 34-03-03 34-03-07 34-04-03 34-04-04 34-04-N		34-04-N1	34-04-N2	34-04-N3								
Road ID		201343005	201343016	201343008	201343011	201734016	201733027	201734028	201733015	201733006		
	Bank to Bank Wide (m)	12.00	22.50	30.00	30.00	36.00	48.00	28.50	20.00	18.00		
water Way	Dry Season Water Depth (m)	0.80	1.55	1.67	1.68	4.15	4.43	3.40	3,40	3.50		
35	Normal Flood Water depth (m)	1.53	2.55	2.23	2.35	5.00	5.50	6.00	4,56	6.50		
Proposed Bridge	a Length (m)	15.00	30.00	30.00	30,00	35.00	50.00	30.00	20.00	20.00		
Span Arrangeme	enit	1x15m	1×30m	1x30m	1x30m	2x10m+1x15m	2x15m+1x20m	1x30m	1x20m	1x20m		
	including Foundation)	2630420	2630420	2630420	2630420	2630420	2630420	2630420	2630420	2630420		
	ling Foundation)	1	1	[		1858150	1858150					
Cost (Super Structure)		4395000	8790000	8790000	8790000	10255000	14650000	8790000	5860000	5860000		
Cost (Super Structure Erection)		94500	189000	189000	189000	220500	315000	189000	126000	126000		
Total Cost		7119920	11609420	11609420	11609420	14964070	19453570	11609420	6616420	8616420		

# PROJECT COST

PROJECT COST	PRO	JECT	COST
--------------	-----	------	------

.

District : Bager	hat										
Name of Thana		Rampal	Morrelgong			Monelgong					
Serial Number		28	29	30	39	40	41	42	43	44	
Bridge ID		34-04-N4	34-05-01	34-05-02	34-05-N1	34-05-N2	34-05-N3	34-05-N4	34-05-N5	34-05-NG	
load ID		201733033	201602001	201602001	201602003	201602002	201602003	201602003	201502003	201603032	
	Bank to Bank Wide (m)	40,50	23.00	45.00	34.00	22.00	21.00	23.00	21.00	10.00	
Vater Way	Dry Season Water Depth (m)	3.87	1.00	4.60	2.00	1.80	1.00	1.80	0.70	1.50	
ŠŠ	Normal Flood Water depth (m)	5.87	3.55	7.00	2.50	4.30	3.05	6.50	6,50	3.35	
Proposed Bridge		40.00	25	50	40.00	30.00	25.00	30.00	30.00	15.00	
Span Arrangem		2x10m+1x20m	1x25m	2x15m+1x20m	2x10m+1x20m	1×30m	1x25m	1x30m	1x30m	1x15m	
and the second	including Foundation)	2630420	2630420	2630420	2630420	2630420	2630420	2630420	2630420	2630420	
	ding Foundation)	1858150		1858150	1858150						
		11720000	7325000	14650000	11720000	8790000	7325000	8790000	6790000	4395000	
Cost (Super Structure) Cost (Super Structure Erection)		252000	157500	315000	252000	189000	157500	189000	189000	94500	
Total Cost		16460570	10112920	19453570	16460570	11609420	10112920	11609420	11609420	7119920	

•

District : Bager	hat					· · · · · · · · · · · · · · · · · · ·						
Name of Thana		Morre	lgong	Citalmari								
Serial Number		45	46	48	49	51	52	53	54	55		
Bridge ID	vidge ID		34-05-N8	34-06-02	34-06-03	34-06-05	34-06-06	34-06-07	34-06-N1	34-06-N2		
Road ID		201603034	201603065	201144009	201145031	201142004	201142004	201142004	201143006	201143001		
	Bank to Bank Wide (m)	34.00	30.00	17.50	21.00	13.90	18.00	13.50	15.50	17.50		
Water Wey	Dry Season Water Depth (m)	3.66	3.00	1.10	2,50	1.00	1.20	1.10	1.10	1.10		
<u>3</u> s	Normal Flood Water depth (m)	7,00	5.50	2.50	2,80	2.50	2.50	1.90	2.50	2.50		
Proposed Bridge		35.00	35.00	20.00	25.00	15.00	20.00	15.00	15,00	20.00		
Span Arrangem		2x10m+1x15m	2x10m+1x15m	1x20m	1x25m	1x15m	1x20m	1x15m	1x15m	1x20m		
	including Foundation)	2630420	2630420	2630420	2630420	2630420	2630420	2630420	2630420	2630420		
	ling Foundation)	1858150	1858150									
Cost (Super Str		10255000	10255000	5860000	7325000	4395000	5860000	4395000	4395000	5860000		
	ucture Erection)	220500	220500	126000	157500	94500	126000	94500	94500	126000		
Total Cost		14964070	14964070	8616420	10112920	7119920	8616420	7119920	7119920	8616420		

----

District : Bagerl	hat	-								
Name of Thana			kac	chua		1		Mongla		
Serial Number		57	58	59	60	61	62	63	64	65
Bridge ID		34-07-02	34-07-N1	34-07-N2	34-07-N3	34-08-01	34-08-N1	'34-08-N2	"34-08-N3	'34-08-N4
Road ID		201383002	201383013	201382002	201382002	201583019	201584017	201583020	201584009	201582004
	Bank to Bank Wide (m)	28.50	16.50	12.00	12.00	30.00	80.00	56.00	40.00	44.00
Vater Way	Dry Season Water Depth (m)	4.49	1.50	1.03	0.88	3.20	6.90	5.80	3.70	3.80
>-	Normal Flood Water depth (m)	4.93	2.08	1.56	1.56	4.10	7.70	6.50	4.50	4.50
Proposed Bridge	Length (m)	30.60	15.00	15.00	15.00	30.00	65.00	60.00	40.00	45.00
Span Алталдете	ant	1x30m	1x15m	1x15m	1x15m	1x30m	4x15m+1x25m	3x20m	2x10m+1x20m	3x15m
Cost (Abutment i	including Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0
Cost (Pier includ	ing Foundation)						5553840	2776920	1858150.0	1858150.0
Cost (Super Stru	cture)	8790000	4395000	4395000	4395000	8790000	24905000	17580000	11720000.0	13185000.0
Cost (Super Stru	cture Erection)	189000	94500	94500	94500	189000	535500	378000	252000.0	283500.0
Total Cost		11609420	7119920	7119920	7119920	11609420	33624760	23365340	16460570	17957070

District : Bagert	hat									
Name of Thana	· · · · · · · · · · · · · · · · · · ·			·	Mon	igia				Sarankhola
Serial Number		66	67	68	69	70	71	72	73	74
Bridge ID		"34-08-N5	'34-08-N6	"34-08-N7	'34-08-N8	'34-08-N9	"34-08-N10	'34-08-N11	'34-08-N12	34-09-N1
Road ID		201582004	201582004	201583008	201583008	201583008	201583007	201583018	201583019	201772004
ar /	Bank to Bank Wide (m)	28.00	38.00	35.00	37.00	40.00	35.00	30.00	20.00	30.00
Water Way	Dry Season Water Depth (m)	3.30	2.60	4.30	2.80	3.30	3,30	3.30	2.80	3.60
7	Normal Flood Water depth (m)	4.00	3.50	5.00	3.50	4.00	4.00	4.00	3,50	4.75
Proposed Bridge	Length (m)	30.00	40.00	35.00	40.00	40.00	35.00	30.00	20.00	30.00
Span Arrangeme	int	1x30m	2x10m+1x20m	2x10m+1x15m	2x10m+1x20m	2x10m+1x20m	2x10m+1x15m	1x30m	1x20m	1x30m
Cost (Abutment i	ncluding Foundation)	2630420	2630420	2630420	2630420	2630420	2630420	2630420	2630420	2630420
Cost (Pier includi	ing Foundation)		1858150	1858150	1858150	1858150	1858150			
Cost (Super Stru	cture)	6790000	11720000	10255000	11720000	11720000	10255000	8790000	5860000	8790000
Cost (Super Siru	cture Erection)	189000	252000	220500	252000	252000	220500	189000	126000	189000
Total Cost		11609420	16460570	14964070	16460570	16460570	14964070	11609420	8616420	11609420

District : Bagert	hat					
Name of Thana				Sarankhola		
Serial Number		75	76	77	78	79
Bridge ID		34-09-N2	34-09-N3	34-09-N4	34-09-N5	34-09-N6
Road ID		201772004	201772003	237073008	237073008	201772003
	Bank to Bank Wide (m)		30.07	42.00	36.00	36.00
Vate	Dry Season Water Depth (m)		3.70	3.60	3.50	3.92
5-	Normal Flood Watar depth (m)	4.25	4.25	4.70	4.65	4.65
Proposed Bridge	Length (m)	30.00	30.00	45.00	35.00	35.00
Span Arrangeme	มน	1x30m	1x30m	3x15m	2x10m+1x15m	2x10m+1x15m
Cost (Abutment i	including Foundation)	2630420	2630420	2630420	2630420	2630420
Cost (Pier includi	ing Foundation)			1858150	1858150	1858150
Cost (Super Structure)		8790000	8790000	13185000	10255000	10255000
Cost (Super Structure Erection)		189000	189000	283500	220500	220500
Total Cost		11609420	11609420	17957070	14964070	14964070

District : Jessore	₽									
Name of Thana	<u>, , , , , , , , , , , , , , , , , , , </u>	1	····	Sadar			Bagarpara			
Serial Number	erial Number		4	5	6	7	10	11	12	13
Bridge ID		35-01-N1	35-01-N2	35-01-N3	35-01-N4	35-01-N5	35-02-N1	35-02-N2	35-02-N3	35-02-N4
Road ID	Cad ID		Unidentified	241475110	241475162	241475023	241093015	241093007	241095043	241093014
* >	Bank to Bank Wide (m)	30.00	30.00	40.00	55.00	35.00	65.00	171.00	80.00	B0.00
Water Way	Dry Season Water Depth (m)	0.56	0.70	0.60	0.45	0.50	1.50	1.75	1.00	1.30
>-	Normal Flood Water depth (m)	1.95	1.80	1.65	1.03	0.79	4.48	3.75	4.30	4.30
Proposed Bridge	Length (m)	30.00	30.00	40.00	55.00	35.00	65.00	105.0	50.0	50.0
Span Arrangeme	nt	1x30m	1x30m	2x10m+1x20m	2x15m+1x25m	2x10m+1x15m	2x20+1x25	4x20m+1x25m	2x15m+1x20m	2x15m+1x20m
Cost (Abutment in	ncluding Foundation)	2630420	2630420	2630420	2630420	2630420	2630420	2630420	2630420	2630420
Cost (Pier includi	ng Foundation)			1858150	1858150	1858150	2776920	3716300	1858150	1858150
Cost (Super Struc	cture)	8790000	8790000	11720000	16115000	10255000	19045000	30765000	14650000	14650000
Cost (Super Struc	ture Erection)	189000	189000	252000	346500	220500	409500	661500	315000	315000
Total Cost		11609420	11609420	16460570	20950070	14964070	24861840	37773220	19453570	19453570

.

Final Report October, 2002

.

D-42

District : Jessor	e				-	
Name of Thana		Chowgacha	Jiko	gasa	Keshobpur	Abhoynagar
Serial Number		18	19	23	24	25
Bridge ID		35-03-N1	35-04-01	35-04-05	35-05-01	35-06-01
load ID		241113023	241234077	241234071	241383001	241043022
<u> </u>	Bank to Bank Wide (m)		120.00	140.00	173.00	13.5
Water Way	Dry Season Water Depth (m)	1.20	2.27	1.370	1.05	0.91
5-	Normal Flood Water depth (m)	4.90	3.13	4.480	3.08	1.94
Proposed Bridge	Length (m)	100.00	100.0	100.0	160.0	15.0
Span Arrangeme	nt	5x20m	5x20m	5x20m	4x25m+3x20m	1x15m
Cost (Abutment i	ncluding Foundation)	2630420	2630420	2630420	2630420	2630420
Cost (Pier includi	ng Foundation)	5553840	5553840	5553840	5574450	
Cost (Super Stru	ost (Super Structure)		29300000	29300000	46880000	4395000
Cost (Super Stru	ost (Super Structure Erection)		630000	630000	1008000	94500
Total Cost		38114260	38114260	38114260	56092870	7119920

District : Satkhi	ira									
Name of Thana		Sa	ader	Shyamnagar						
Serial Number	ieriał Number		2	3	4	5	6	7	9	10
Bridge (D		36-01-01	36-01-02	36-02-01	36-02-02	36-02-03	36-02-04	36-02-05	36-02-07	36-03-01
Road ID		287823027	287823035	287863007	287863024	287863019	287863015	287862002	287862006	287043035
* ~	Bank to Bank Wide (m)	100.00	50.00	80.00	145.00	150.00	210.00	650.00	45.00	75.00
Water Wey	Dry Season Water Depth (m)	1.8 to 5.5	3.40	1.30	4.80	6.15	1.16	1.50	0.60	2.02
	Normal Flood Water depth (m)	5.55	3.96	3.60	8.80	9.15	6.15	8.00	3.80	5.62
Proposed Bridge	a Length (m)	100.00	40.00	20.00	150.00	100.00	120.00	650.00	60.00	90.00
Span Arrangeme	ent	5x20m	2x10m+1x20m	1x20m	6x25m	5x20m	4x25m+1x20m	26x25m	3x20m	3x20m+2x15m
Cost (Abutment i	including Foundation)	2630420	2630420	2630420	2630420	2630420	2630420	2630420	2630420	2630420
Cost (Piar includ	ling Foundation)	5553840	1858150		6942300	5553840	3716300	34711500	2776920	5553840
Cost (Super Stru	icture)	29300000	11720000	5860000	43950000	29300000	35160000	190450000	17580000	26370000
Cost (Super Stru	scture Erection)	630000	252000	126000	945000	630000	756000	4095000	378000	567000
Total Cost		38114260	16460570	8616420	54467720	38114260	42262720	231886920	23365340	35121260

Master Plan Study for Portable Steel Bridge Construction on Feeder and Rural Roads in Bangladesh

•

District : Satkhir	"a						· · · · · ·	· • · · · · · · · · · · · · · · · · · ·
Name of Thana		Ash	asuni	Debhat	Kaligonj	Kalaroa	Та	ula.
Serial Number		11	12	13	14	15	17	19
Bridge ID		36-03-N1	36-03-N2	36-04-01	36-05-01	36-06-01	36-07-01	36-07-03
Road ID	load ID		287044009	287263009	287423029	287473077	287903047	287903006
5.	Bank to Bank Wide (m)	60.00	50.00	27.00	25.00	28.00	90.00	125.00
Water Way	Ory Season Water Depth (m)	0.90	1.20	2.83	1.30	• 1.20	1.63	1.32
5-	Normal Flood Water depth (m)	2.07	2.13	2.99	4.72	2.10	3.63	2.12
Proposed Bridge	Length (m)	60.00	60.00	25.00	20.00	25.00	90.00	125.00
Span Arrangeme	nt	3x20m	3x20m	1x25m	1x20m	1x25m	3x20m+2x15m	5x25m
Cost (Abutment i	ncluding Foundation)	2630420	2630420	2630420	2630420	2630420	2630420	2630420
Cost (Pier includi	ng Foundation)	2776920	2776920				5553840	3716300
Cost (Super Structure)		17580000	17580000	7325000	5860000	7325000	26370000	36625000
Cost (Super Structure Erection)		378000	378000	157500	126000	157500	567000	787500
Total Cost	Total Cost		23365340	10112920	8616420	10112920	35121260	43759220

District: Jhenair	dah					· · ·		
Name of Thana			Sadar		Harinakunda	Shailakupa	Mohes	shpur
Serial Number		1	2	3	7	9	12	13
Bridge ID		37-01-01	37-01-02	37-01-03	37-03-01	37-04-01	37-06-N1	37-06-N2
Road ID		244193025	244193029	244 193050	244145028	244802004	244715089	244715089
	Bank to Bank Wide (m)	52	95	75	130	195.00	40	30
Water Way	Dry Season Water Depth (m)	1.1	1.86	0.32	0.6	1.25	1	1
	Normal Flood Water depth(m)	3.05	4.78	4.12	5	1.85	4.6	3.5
Proposed Bridge	Length (m)	40	95	75	130	100	35	30
Span Arrangeme	int	2x10m+1x20m	4x20m+1x15m	3x25m	2x25m+4x20m	5x20m	2x10m+1x15m	1x30m
Cost (Abutment i	ncluding Foundation)	2630420	2630420	2630420	2630420	2630420	2630420	2630420
Cost (Pier includ	ing Foundation)	1858150	3716300	1858150	4645375	5553840	1858150	
Cost (Super Stru	cture)	11720000	27835000	21975000	38090000	29300000	10255000	8790000
Cost (Super Stru	cture Erection)	252000	598500	472500	819000	630000	220500	189000
Total Cost		16460570	34780220	26936070	46184795	38114260	14964070	11609420

District: Magura	· · · · · · · · · · · · · · · · · · ·						
Name of Thana		Sadar	Sha	likha	Sreepur		
Serial Number		3	5	6	7	8	
Bridge (D		38-01-03	38-03-01	38-03-02	38-04-01	38-04-N1	
Road ID	oad ID		255853015	255853010	255953017	255953017	
5.	Bank to Bank Wide (m)	95m	55m	80	45	148	
Water Way	Dry Season Water Depth (m)	2.86m	0.3m	3.11	0.25	5.3	
	Normal Flood Water depth(m)	4.6m	3.25m	4.56	5.25	7.36	
Proposed Bridge	Length (m)	85	55	80	45	150	
Span Arrangeme	nt	4x15m+1x25m	2x15m+1x25m	4x15m+1x20m	3x15m	6x25m	
Cost (Abutment in	ncluding Foundation)	2630420	2630420	2630420	2630420	2630420	
Cost (Pier includi	ng Foundation)	5553840	1858150	5553840	1658150	6942300	
Cost (Super Structure)		24905000	16115000	23440000	13165000	43950000	
Cost (Super Strue	ost (Super Structure Erection)		346500	504000	283500	945000	
Total Cost	Total Cost		20950070	32128250	17957070	54467720	

District: Kustia											
Name of Thana		Sadar			Mirpur			Daulutpur	Kumarkhali		Bheramara
Serial Number		2	3	4	6	8	9	10	12	13	14
Bridge ID		39-01-02	39-01-03	39-01-04	39-02-02	39-02-04	39-02-N1	39-03-01	39-04-01	39-04-02	39-05-01
Road ID		250794046	250793018	250794046	250343017	250944029	250943009	250393065	250713016	250714049	250153017
Vater Way	Bank to Bank Wide (m)	55	65	60	65	28	20	61	60	65.00	30
	Dry Season Water Depth (m)	0.9	0.6	0.67	1.6	2	2.5	1.5	0.6	3.40	0.77
× -	Normal Flood Water depth(m)	2.85	4.3	3.33	3.6	3.8	3	6.8	2.85	4.00	4.17
Proposed Bridge	Length (m)	50	60	60	65	30	15	60	50	50	30
Span Arrangemer	nt	2x15m+1x20m	3x20m	3x20m	2x20+1x25	1x30m	1x15m	3x20m	2x15m+1x20m	2x15m+1x20m	1x30m
Cost (Abutment in	cluding Foundation)	2630420	2630420	2630420	2630420	2630420	2630420	2630420	2630420	2630420	2630420
Cost (Pier includir	ng Foundation)	1858150	1658150	1858150	2776920			1858150	1858150	1858150	
Cost (Super Structure)		14650000	17580000	· 17580000	19045000	8790000	4395000	17580000	14650000	14650000	8790000
Cost (Super Struc	ture Erection)	315000	378000	378000	409500	189000	94500	378000	315000	315000	189000
Total Cost		19453570	22446570	22446570	24861840	11609420	7119920	22446570	19453570	19453570	11609420

Bangladesh Consultants Ltd

District : Narail									
Name of Thana		Sa	dar		Lohagora				
Serial Number		1	2	3	4	5	6	7	8
Bridge ID		40-01-01	40-01-N1	40-02-01	40-02-N1	40-02-N2	40-02-N3	40-03-01	40-03-02
Road ID		265763015	265763010	265282004	265283010/ 265285037	265282007	265284037	265525046	265523010
	Bank to Bank Wide (m)	69.00	39.00	145.00	390,00	600.00	465.00	76.00	58.00
Water Way	Dry Season Water Depth (m)	0.90	1.92	1.17	1.83	1.07	0.14	1.05	0.44
	Normal Flood Water depth (m)	3.30	3.65	4.39	2.13	2.76	5.24	4.02	1.22
Proposed Bridge	e Length (m)	70.00	40.00	145.00	390.00	600.00	465.00	75.00	60.00
Span Arrangem	ent	2x25m+1x20m	2x10m+1x20m	5x25m+1x20m	14x25m+2x20m	24x25m	17x25m+2x20m	3x25m	3x20m
Cost (Abutment	including Foundation)	2630420	2630420	2630420	2630420	2630420	2630420	2630420	2630420
Cost (Abutment including Foundation) Cost (Pier including Foundation)		1658150	1858150	6942300	20826900	31934580	24992280	1858150	1858150
Cost (Super Stn	ucture)	20510000	11720000	42485000	114270000	175800000	136245000	21975000	17580000
Cost (Super Str	ucture Erection)	441000	252000	913500	2457000	3780000	2929500	472500	378000
Total Cost		25439570	16460570	52971220	140184320	214145000	166797200	26936070	22446570

District: Meherp			· · · · · · · · · · · · · · · · · · ·					
Name of Thana			Sac	lar	Muzib	Gangni		
Serial Number		4	5	6	7	8	9	10
Bridge ID		41-01-N1	41-01-N2	41-01-N3	41-01-N4	41-02-01	41-02-02	41-03-01
Road ID		257873050	257873064	257873044	257873043	257873017	257873018	257473035
ar	Bank to Bank Wide (m)	114	50.00	62	100	136	140	67
Water Way	Dry Season Water Depth (m)	0.5	0.80	0.75	0.85	0.9	2.02	0.95
>-	Normal Flood Water depth(m)	1.85	5.00	2	4	2.2	41-02-02 257873018 140 2.02 4.98 120 4x25m+1x20m 2630420 5553840 35160000 756000	2.48
Proposed Bridge	Length (m)	50	50	60	100	120	120	60
Span Arrangeme	nt	2x15m+1x20m	2x15m+1x20m	3x20m	5x20m	4x25m+1x20m	4x25m+1x20m	3x20m
Cost (Abutment i	ncluding Foundation)	2630420	2630420	2630420	2630420	2630420	2630420	2630420
Cost (Pier includi	ing Foundation)	1858150	1858150	1858150	5553840	5553840	5553840	1858150
Cost (Super Stru	cture)	14650000	14650000	17580000	29300000	35160000	35160000	17580000
Cost (Super Stru	cture Erection)	315000	315000	378000	630000	756000	756000	378000
Total Cost		19453570	19453570	22446570	38114260	44100260	44100260	22446570

.

Master Plan Study for Pontable Steel Bridge Construction on Feeder and Rural Roads in Bangladesh

District: Chuada	anga									
Name of Thana			Sadar		Damurhuda		Alamdanga			Jibon nagar
Serial Number		1	2	3	6	7	8	9	11	
Bridge ID		42-01-N1	42-01-N2	42-01-N3	42-02-03	42-03-01	3-01 42-03-02 42-03-03 42-03-04		42-04-01	
Road ID		218233017	218235033	218235020	218312003	218073003	218073036	218073003	218075162	218554057
Water Way	Bank to Bank Wide (m)	37	35	22	100	180.00	50	13	60	70
	Dry Season Water Depth (m)	3.2	1.8	3.7	1	1.20	0.6	3	0.9	0.35
	Normal Flood Water depth(m)	3.8	10	5.6	5.98	5.00	3.1	3.2	3	3.04
Proposed Bridge	e Length (m)	15	20	15	100	180	50	15	60	30
Span Алталдегие	ent	1x15m	1x20m	1x15m	5x20m	4x25m+4x20m	2x15m+1x20m	1x15m	3x20m	1x30m
Cost (Abutment i	including Foundation)	2630420	2630420	2630420	2630420	2630420	2630420	2630420	2630420	2630420
Cost (Pier includ	ling Foundation)				5553840	9719220	1858150		1858150	
Cost (Super Stru	icture)	4395000	5860000	4395000	29300000	52740000	14650000	4395000	17580000	8790000
Cost (Super Stru	Cost (Super Structure Erection)		126000	94500	630000	1134000	315000	94500	378000	189000
Total Cost		7119920	8616420	7119920	38114260	66223640	19453570	7119920	22446570	11609420

2

Master Plan Study for Portable Steel Bridge Construction on Feeder and Rural Roads in Bangladesh

D-47

District : Barisa	4				•						
Name of Thana		Sa	dar				Agoilzhara				
Serial Number		6	7	10	12	13	14	15	16	17	
Bridge ID		43-01-N1	43-01-N2	43-02-03	43-02-05	43-02-06	43-02-07	43-02-08	43-02-N1 43-02-N2		
Road ID		506512002	506514084	506012002	506012002	506013005	506013005	506015009	506012002	02 506012002	
⊾	Bank to Bank Wide (m)	75.00	93.00	28	20	23	33	20	22	24	
Water Way	Dry Season Water Depth (m)	4.90	4.58	2.10	2.91	2.45	1.83	1.08	1.54	2.62	
	Normal Flood Water depth (m)	6.00	5.20	2.60	3.91	2.55	2.77	1.42	2.54	3.62	
Proposed Bridge	Eength (m)	80	95	30	20	25	35	20	25	25	
Span Arrangema	ent	4x15m+1x20m	4x20m+1x15m	1x30m	1x20m	1x25m	2x10m+1x15m	1x20m	1x25m ·	1x25m	
Cost (Abutment i	including Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	
Cost (Pier includ	ling Foundation)	5553840.0	5553840.0				1658150.0				
Cost (Super Stru	icture)	23440000.0	27835000.0	8790000.0	5860000.0	7325000.0	10255000.0	5860000.0	7325000.0	7325000.0	
Cost (Super Structure Erection)		504000.0	598500.0	189000.0	126000.0	157500.0	220500.0	126000.0	157500.0	157500.0	
Total Cost		32128260	36617760	11609420	8616420	10112920	14964070	8616420	10112920	10112920	

District : Barisa	4									
Name of Thana Agoilzhara			i i i i i i i i i i i i i i i i i i i		Bakerganj					
Serial Number	ial Number		21	22	23	24	25	28	29	31
Bridge ID		43-02-N3	43-03-N1	43-03-N2	43-03-N3	43-03-N4	43-03-N5	43-04-03	43-04-04	43-04-N1
Road ID		506012002	506942012	506942009	506942009	506942009	506942009	506072002	506072004	506072004
F .	Bank to Bank Wide (m)	20	180.00	65.00	15.00	21.50	18.30	35.00	18.00	120.00
Vater Way	Dry Season Water Depth (m)	1.46	7.00	3.68	3.50	4.90	4.90	1.860	0.59	7.00
53	Normal Flood Water depth (m)	2.14	8.00	5.21	4.50	5.90	5.90	3.270	2.74	9.90
Proposed Bridge	Length (m)	20	250	95	. 15	20	20	35	20	120
Span Arrangeme	ent	1x20m	10x25m	4x20m+1x15m	1x15m	1x20m	1x20m	2x10m+1x15m	1x20m	4x25m+1x20m
Cost (Abutment i	including Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0
Cost (Pier includ	ling Foundation)		12496140.0	5553840.0				1858150.0		5553840.0
Cost (Super Structure)		5860000.0	73250000.0	27835000.0	4395000.0	5850000.0	5860000.0	10255000.0	5860000.0	35160000.0
Cost (Super Structure Erection)		126000.0	1575000.0	598500.0	94500.0	126000.0	126000.0	220500.0	126000.0	756000.0
Total Cost		8616420	89951560	36617760	7119920	8616420	8616420	14964070	8616420	44100260

2

District : Barisa	al									
Name of Thana		Bakerganj				Bana	ripara			
Serial Number		32	40	41	42	43	44	44 45 46		50
Bridge ID		43-04-N2	43-06-04	43-06-05	43-06-06	43-06-07	43-06-08	43-06-09	43-06-10	43-06-14
toad ID		506073083	Unidentified	506104055	Unidentified	Unidentified	Unidentified	506103020	506103031	506104026
<u> </u>	Bank to Bank Wide (m)	18.00	15.00	10.00	8.35	8.00	11.60	12.00	25.00	10.50
Vater Way	Dry Season Water Depth (m)	1.07	1.50	0.75	0.25	0.40	0.70	1.00	0.50	0.25
5-	Normal Flood Water depth (m)	2.97	2.25	2.00	1.70	1.60	1.75	2.25	2.00	1.60
Proposed Bridg	e Length (m)	20	20	10	10	10	15	15	25	10
Span Arrangem	nent	1x20m	1x20m	1x10m	1x10m	1x10m	1x15m	1x15m	1x25m	1x10m
Cost (Abutment	including Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0
Cost (Pier inclue	ding Foundation)									[·····
Cost (Super Stri	ucture)	5860000.0	5860000.0	2930000.0	2930000.0	2930000.0	4395000.0	4395000.0	7325000.0	2930000.0
Cost (Super Str	ucture Erection)	126000.0	126000.0	63000.0	63000.0	63000.0	94500.0	94500.0	157500.0	63000.0
Total Cost		8616420	8616420	5623420	5623420	5623420	7119920	7119920	10112920	5623420

District : Barisa	l l													
Name of Thana						Banaripara								
Serial Number		51	52	58	59	61	65	70	71	73				
Bridge ID		43-06-15	43-06-16	16 43-06-22 43-06-23 43-06-25 43-06-29 43-06-34 43-06-33	43-06-22 43-06-23 43-06-25	43-06-16 43-06-22 43-06-23 43-06-25 43-06-29 43-06-34 43-06	6 43-06-22 43-06-23 43-06-25 43-06-29 43-06-34 43-06-3	43-06-16 43-06-22 43-06-23 43-06-25 43-06-29 43-06-34 43-06-35	43-06-16 43-06-22 43-06-23 43-06-25 43-06-29 43-06-34 43-06-35	06-16 43-06-22 43-06-23 43-06-25 43-06-29 43-06-34 43-06-35	43-06-16 43-06-22 43-06-23 43-06-25 43-06-29 43-06-34 43-06-35	43-06-29	43-06-35	43-06-37
Road 1D	<u>.</u>	506104025	506105038	506103014	506103014	506103026	Unidentified	506103016	506103016	506104055				
* ~	Bank to Bank Wide (m)	8.00	27.00	12.00	11.00	11	16.5	19	18	12				
Vater Way	Dry Season Water Depth (m)	0.25	2.00	0.50	0.25	0.6	1.25	1.5	1.5	3				
>-	Normal Flood Water depth (m)	1.40	4.60	2.00	2.25	1.9	3.25	2.25	2.75	4.25				
Proposed Bridge	e Length (m)	10	30	15	15	15	20	20	20	15				
Span Arrangem	ent	1x10m	1x30m	1x15m	1x15m	1x15m	1x20m	1x20m	1x20m	1x15m				
Cost (Abutment	including Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0				
Cost (Pier includ	ling Foundation)					1 · · · ·								
Cost (Super Str.	ucture)	2930000.0	8790000.0	4395000.0	4395000.0	4395000.0	5860000.0	5860000.0	5860000.0	4395000.0				
Cost (Super Str.	ucture Erection)	63000.0	189000.0	94500.0	94500.0	94500.0	126000.0	126000.0	126000.0	94500.0				
Total Cost		5623420	11609420	7119920	7119920	7119920	8616420	8616420	8616420	7119920				

.

Master Plan Study for Portable Steel Bridge Construction on Feeder and Rural Roads in Bangladesh

.

Name of Thana						Destal				
Serial Number						Banaripara				
		77	79	85	86	87	92	93	94	95
Bridge ID		43-06-41	43-06-43	43-06-49	43-06-50	43-06-51	43-06-56	43-06-57	43-06-58	43-06-59
Road ID		Unidentified	506103020	Unidentified	506104011	Unidentified	506102001	506102001	506102001	506104031
5.5	Bank to Bank Wide (m)	10	7	10	6	8	22	17	13	13
Vetel Way	Dry Season Water Depth (m)	0.5	0.12	0.5	0.5	0.25	0.6	0.5	0.5	0.5
	Normal Flood Water depth (m)	1.75	1.6	1.6	1.6	1.5	1.75	2.25	1.5	1.6
Proposed Bridge	a Length (m)	15	10	10	10	10	25	25	1.5	
Span Arrangeme	ent	1x15m	1x10m	1x10m	1x10m	1x10m	1x25m	1x25m		15
Cost (Abutment i	including Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	1x15m	1x15m
Cost (Pier includ	ling Foundation)					2000120.0	2030420.0	2030420.0	2630420.0	2630420.0
Cost (Super Stru	ucture)	4395000.0	2930000.0	2930000.0	2930000.0	2930000.0	7325000.0	7325000.0	4005000 0	
Cost (Super Stru	icture Erection)	94500.0	63000.0	63000.0	63000.0				4395000.0	4395000.0
Total Cost						63000.0	157500.0	157500.0	94500.0	94500.0
UIDI CUSI		7119920	5623420	5623420	5623420	5623420	10112920	10112920	7119920	7119920

District : Barisal	i									
Name of Thana				·····		Banaripara				
Serial Number		96	97	98	99	100	101	102	103	104
Bridge (D		43-06-60	43-06-61	43-06-62	43-06-63	43-06-64	43-06-65	43-06-66	43-06-67	43-06-68
Road ID	····	506104001	506102001	506103018	506102001	506102001	506103028	506103028	506102001	506103018
خدة	Bank to Bank Wide (m)	17.5	27	12	15	11	30	16	13	61
Vater Way	Dry Season Water Depth (m)	0.5	2.74	0.5	1.5	0.5	0.6	0.6	0.6	10.63
	Normal Flood Water depth (m)	1.65	3.75	1.3	2.75	1.6	1.75	1.75	1.75	11.5
Proposed Bridge	Length (m)	20	30	15	20	15	30	20	1.75	65
Span Arrangeme	nt	1x20m	1x30m	1x15m	1x20m	1x15m	1x30m	1x20m	1x15m	2x20+1x25
Cost (Abutment in	ncluding Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0
Cost (Pier includi	· · · · · · · · · · · · · · · · · · ·									2776920.0
Cost (Super Struc		5860000.0	8790000.0	4395000.0	5860000.0	4395000.0	8790000.0	5860000.0	4395000.0	19045000.0
Cost (Super Struc	cture Erection)	126000.0	189000.0	94500.0	126000.0	94500.0	189000.0	126000.0	94500.0	409500.0
Total Cost		8616420	11609420	7119920	8616420	7119920	11609420	8616420	7119920	24861840

D-50

District : Barisal								
Name of Thana		Banar	ipara		Ma	ıladi		Hizta
Serial Number		105	106	110	111	112	113	115
Bridge ID		43-06-69	43-06-70	43-08-01	43-08-02 43-08-03	43-08-03 43-08-04	43-10-01	
Road ID		506103018	506103028	506692002	506692002	506693014	506693014	506363012
	Bank to Bank Wide (m)	36.5	18	27	22	35	30	76.50
Water Way	Dry Season Water Depth (m)	1.5	1.5	1.58	0.64	0.06	1.09	2.14
33	Normal Flood Water depth (m)	3.5	4.25	3.32	3.57	1.91	3.3	3.54
Proposed Bridge		40	20	30	25	35	30	55
Span Arrangeme		2x10m+1x20m	1x20m	1x30m	1x25m	2x10m+1x15m	1x30m	2x15m+1x25m
	including Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0
	ing Foundation)	1858150.0				1858150.0		1858150.0
		11720000.0	5860000.0	8790000.0	7325000.0	10255000.0	8790000.0	16115000.0
Cost (Super Stru		252000.0	126000.0	189000.0	157500.0	220500.0	189000.0	346500.0
Cost (Super Stru Total Cost	cture Election)	16460570	8616420	11609420	10112920	14964070	11609420	20950070

District : Bhola			
Name of Thana		Charl	asion
Serial Number		8	9
Bridge ID		44-02-N1	44-02-N2
Road ID		509252002	509253016
<b>-</b>	Bank to Bank Wide (m)	90.00	39.00
Water Way	Dry Season Water Depth (m)	2.74	2.70
3 >	Normal Flood Water depth (m)	3.61	3.75
Proposed Bridge	e Length (m)	110	40
Span Arrangem	ent	3x20m+2x25m	2x10m+1x20m
Cost (Abutment	including Foundation)	2630420.0	2630420.0
Cost (Pier includ	ling Foundation)	5553840.0	1858150.0
Cost (Super Stru		32230000.0	11720000.0
Cost (Super Stn		693000.0	252000.0
Total Cost	·····	41107260	16460570

1 ,

District : Pirojp										
lame of Thana	)		Sadar		Kaukhali			Mothbaria		
Serial Number		1	2	3	4	· 8	11	13	14	17
Bridge tD		45-01-01	45-01-02	45-01-03	45-02-01	45-03-03	45-03-06	45-03-08	45-03-08 45-03-09	
Road ID	•	579805065	579803018	579803005	579803011	579033916	579033009	579034034	579034018	579034034
-	Bank to Bank Wide (m)	9.00	10.50	22.00	24.00	50.00	34.00	65.00	46.00	35.00
Vater Way	Dry Season Water Depth (m)	0.13	0.32	1.45	2.78	3.50	4.00	3.00	3.50	3.00
3 >	Normal Flood Water depth (m)	1.74	1.20	3.00	3.70	4.10	4.60	4.00	4.00	4.00
Proposed Bridge	e Length (m)	15	15	30	45	75	40	60	50	40
Span Arrangem	ent	1x15m	1x15m	1x30m	3x15m	3x25m	2x10m+1x20m	3x20m	2x15m+1x20m	2x10m+1x20n
Cost (Abutment	including Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0
Cost (Pier includ	ding Foundation)				1858150.0	2776920.0	1858150.0	2776920.0	1858150.0	1858150.0
Cost (Super Stri	ucture)	4395000.0	4395000.0	8790000.0	13185000.0	21975000.0	11720000.0	17580000.0	14650000.0	11720000.0
Cost (Super Stn	ucture Erection)	94500.0	94500.0	189000.0	283500.0	472500.0	252000.0	378000.0	315000.0	252000.0
Total Cost		7119920	7119920	11609420	17957070	27854840	16460570	23365340	19453570	16460570

District : Pirojpi	ur									
Name of Thana		1		Mothbaria				Nesa	rabad	
Serial Number		20	21	24	26	29	31	32	33	34
Bridge ID		45-03-15	45-03-16	45-03-19	45-03-21	45-03-24	45-04-01	45-04-02	45-04-N1	45-04-N2
Road ID		579033016	579033005	579233018	579033013	579033011	579873009	579872001	579873002	579874068
ų.,	Bank to Bank Wide (m)	38.00	60.00	35.00	22.00	20.00	30	67	25	20
Water Way	Dry Season Water Depth (m)	4.00	3.50	3.00	5.00	3.60	6.5	6	6.7	6.9
5-	Normal Flood Water depth (m)	4.50	4.00	4.10	5.50	4.20	6.55	6.5	8.1	6.6
Proposed Bridge	a Length (m)	40	65	40	30	25	35	70	30	20
Span Arrangeme	Brit	2x10m+1x20m	2x20+1x25	2x10m+1x20m	1x30m	1x25m	2x10m+1x15m	2x25m+1x20m	1x30m	1x20m
Cost (Abutment i	including Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0
Cost (Pier includ	ling Foundation)	1858150.0	2776920.0	1858150.0			1858150.0	2776920.0	1	
Cost (Super Stru	ucture)	11720000.0	19045000.0	11720000.0	8790000.0	7325000.0	10255000.0	20510000.0	8790000.0	5860000.0
Cost (Super Stru	cture Erection)	252000.0	409500.0	252000.0	189000.0	157500.0	220500.0	441000.0	189000.0	126000.0
Total Cost		16460570	24861840	16460570	11609420	10112920	14964070	26358340	11609420	8616420

.

-

District : Pirojo	K			
Name of Thana		Nesa	rabad	Nazirpur
Serial Number		35	36	37
Bridge ID		45-04-N3	45-04-N4	45-05-01
Road ID		579873002	579873002	579764029
<b>-</b> .	Bank to Bank Wide (m)	30	14	7
Water Way	Dry Season Water Depth (m)	7.9	6.9	0.15
5-	Normal Flood Water depth (m)	8.2	8.2	3.18
Proposed Bridge	Length (m)	30	15	10
Span Arrangeme	sot	1x30m	1x15m	1x10m
Cost (Abutment i	ncluding Foundation)	2630420.0	2630420.0	2630420.0
Cost (Pier includ	ing Foundation)			
Cost (Super Stru	cture)	8790000.0	4395000.0	2930000.0
Cost (Super Structure Erection)		189000.0	94500.0	63000.0
Total Cost		11609420	7119920	5623420

							•							
District : Jhalaka	athi													
Name of Thana						Sadar								
Serial Number		1.	5	6	7	8	9 .	10	11 11					
Bridge ID		46-01-01	46-01-N1	46-01-N2	46-01-N3	46-01-N4	46-01-N5	46-01-N6	46-01-N7	46-01-N8				
Road ID		542403005	542403004	542403005	542405041	542405023	542403001	542404021	542403022	542405100				
· •	Bank to Bank Wide (m)	62	60.00	65.00	25.00	28.00	28.00	25.00	25.00	35.00				
Vater Way	Dry Season Water Depth (m)	1.83	1.83	1.83	1.83	1.22	1.83	1.52	1.90	1.22				
5-	Normal Flood Water depth (m)	3.03	2.33	3.05	3.05	2.24	3.05	2.57	2.70	2.24				
Proposed Bridge	Length (m)	65	60	65	25	30	30	30	25	35				
<b>Span Arrangeme</b>	nt	2x20+1x25	3x20m	2x20+1x25	1x25m	1x30m	1x30m	1x30m	1x25m	2x10m+1x15m				
Cost (Abutment in	ncluding Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0				
Cost (Pier includi	ng Foundation)	2776920.0	2776920.0	2776920.0						1858150.0				
Cost (Super Struc	dure)	19045000.0	17580000.0	19045000.0	7325000.0	8790000.0	8790000.0	8790000.0	7325000.0	10255000.0				
Cost (Super Struc	cture Erection)	409500.0	378000.0	409500.0	157500.0	189000.0	189000,0	189000.0	157500.0	220500.0				
Total Cost		24861840	23365340	24861840	10112920	11609420	11609420	11609420	10112920	14964070				

District : Jhalak	kathi									<b>_</b>
Name of Thana		Sadar				Nak	:hiti			
Serial Number		13	14	17	18	19	20	23	25	26
Bridge ID		46-01-N9	46-02-01	46-02-04	46-02-05	46-02-06	46-02-07	46-02-10	46-02-12	46-02-13
Road ID		542403016	542734010	542733026	542733003	542733042	542733013	542733037	542733045	542734003
	Bank to Bank Wide (m)	70.00	24.00	16.50	11.00	25.00	25.00	15.00	27.00	23.00
Vater Way	Dry Season Water Depth (m)	1.52	1.65	2.30	1.35	2.20	2.30	2.75	2.00	2.34
3 >	Normal Flood Water depth (m)	2.25	3.55	3.10	1.75	3.00	4.30	3.75	3.52	2.74
Proposed Bridge	e Length (m)	70	25	20	. 15	30	30	25	35	25
Span Arrangem	ent	2x25m+1x20m	1x25m	1x20m	1x15m	1x30m	1x30m	1x25m	2x10m+1x15m	1x25m
Cost (Abutment	including Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0
Cost (Pier includ	ding Foundation)	2776920.0		· .					1858150.0	
Cost (Super Str.	ucture)	20510000.0	7325000.0	5860000.0	4395000.0	8790000.0	8790000.0	7325000.0	10255000.0	7325000.0
	ucture Erection)	441000.0	157500.0	126000.0	94500.0	189000.0	189000.0	157500.0	220500.0	157500.0
Total Cost		26358340	10112920	8616420	7119920	11609420	11609420	10112920	14964070	10112920

District : Jhalaka	athi								•			
Name of Thana		1				Nalchiti						
Serial Number	······································	27	28	29	30	31	32	33	34	35		
Bridge ID		46-02-14	46-02-N1	46-02-N2	46-02-N3	46-02-N4	46-02-N5	46-02-N6	46-02-N7	46-02-N8		
Road ID		542732001	542733022	542732001	542734037	542733038	542733010	542732001	542732001	542733022		
-	Bank to Bank Wide (m)	15.00	15.00	16.00	21.33	60	26	15	12	10		
Vatel Way	Dry Season Water Depth (m)	2.65	2.20	1.83	1.85	5.9	2.74	1.9	1.83	0.5		
53	Normat Flood Water depth (m)	3.75	3.00	2.28	2.83	7.1	3.28	2.28	2.83	1.4		
Proposed Bridge	Length (m)	20	20	25	30	70	30	20	20	15		
Span Arrangeme	nt	1x20m	1x20m	1x25m	1x30m	2x25m+1x20m	1x30m	1x20m	1x20m	1x15m		
Cost (Abutment i	ncluding Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0		
Cost (Pier includi	ing Foundation)			}		2776920.0						
Cost (Super Stru	cture)	5860000.0	5860000.0	7325000.0	8790000.0	20510000.0	8790000.0	5860000.0	5860000.0	4395000.0		
Cost (Super Stru	cture Erection)	126000.0	126000.0	157500.0	189000.0	441000.0	189000.0	126000.0	126000.0	94500.0		
Total Cost		8616420	8616420	10112920	11609420	26358340	11609420	8616420	8616420	7119920		

.

District : Jhalak	athi			
Name of Thana		Nal	Kathalia	
Senal Number		36	37	38
Bridge ID		46-02-N9	46-02-N10	46-03-01
Road #D		542733006	542733014	542434043
►	Bank to Bank Wide (m)	18.28	18	30.00
Water Way	Dry Season Water Depth (m)	1.26	3.05	4.32
3 >	Normal Flood Water depth (m)	2.74	3.3	4.76
Proposed Bridge	Length (m)	25	30	35
Span Arrangeme	nt	1x25m	1x30m	2x10m+1x15m
Cost (Abutment i	ncluding Foundation)	2630420.0	2630420.0	2630420.0
Cost (Pier includ	ing Foundation)			1858150.0
Cost (Super Stru	cture)	7325000.0	8790000.0	10255000.0
Cost (Super Stru	cture Erection)	157500.0	189000.0	220500.0
Total Cost		10112920	11609420	14964070

.

District : Borgu	na									
Name of Thana			Sa	dar		Ba	mna	Bet	Amtoli	
Serial Number		1	2	3	4	6	9	11	12	13
Bridge ID		47-01-01	47-01-02	47-01-03	47-01-04	47-02-02	47-02-05	47-03-01	47-03-02	47-04-01
Road ID		504282005	504282005	504282005	504282002	504192002	504195015	504473001	504474025	504093017
	Bank to Bank Wide (m)	36.50	32.00	24.00	68.50	100.00	48.30	90.00	18.00	110.00
Water Way	Dry Season Water Depth (m)	5.25	5.57	2.38	2.01	1.20	3.30	4.41	0.50	3.00
	Normal Flood Water depth (m)	6.23	5.68	3.08	4.67	3.00	4.00	6.01	2.50	3.80
Proposed Bridge	s Length (m)	35	30	25	65	105	50	95	20	100
Span Arrangeme	ent	2x10m+1x15m	1x30m	1x25m	2x20m+1x25m	4x20+1x25	2x15m+1x20m	4x20m+1x15m	1x20m	5x20m
	including Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0
	ling Foundation)	1858150.0		· ·	2776920.0	5553840.0	1858150.0	5553840.0		5553840.0
Cost (Super Stru	-I	10255000.0	8790000.0	7325000.0	19045000.0	30765000.0	14650000.0	27835000.0	5860000.0	29300000.0
Cost (Super Stru		220500.0	189000.0	157500.0	409500.0	661500.0	315000.0	598500.0	126000.0	630000.0
Total Cost		14964070	11609420	10112920	24861840	39610760	19453570	36617760	8616429	38114260

.

•

Name of Thana		Amtoli		Pathorghata		
Serial Number		17	24	25	26	
Bridge ID		47-04-05	47-04-05 47-05-N1		47-05-N3	
Road ID		504094539	504853006	504853011	504853011	
<u> </u>	Bank to Bank Wide (m)	80.00	40.00	59.00	30.00	
Water Way	Dry Season Water Depth (m)	0.76	1.20	1.99	1.47	
	Normai Flood Water depth (m)	1.90	1.33	2.80	2.29	
Proposed Bridge	Length (m)	60	45	65	35	
Span Arrangeme	nt	4x15m+1x20m	3x15m	2x20+1x25	2x10m+1x15m	
Cost (Abutment i	ncluding Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	
Cost (Pier includi	ng Foundation)	5553840.0	1858150.0	2776920.0	1858150.0	
Cost (Super Stru	ture)	23440000.0	13185000.0	19045000.0	10255000.0	
Cost (Super Structure Erection)		504000.0	283500.0	409500.0	220500.0	
Total Cost		32128260	17957070	24861840	14964070	

District : Patuakh		<u></u>								
Name of Thana		r	Sa	dar			Galachipa	·	Bauphai	
Serial Number						12	13	25	26	
Bridge ID		48-01-01	48-01-03	48-01-04	48-01-N1	48-02-N1	-N1 48-02-N2 48-02-N3 48-03-N1		48-03-N1	48-03-N2
Road ID	toad ID		578953048	578955075	578954041	578572004	578573044	578573059	578383004	578384014
÷.	Bank to Bank Wide (m)	40.00	42.00	90.00	35.00	75.00	70.00	90.00	32	21.00
/ ≥s /	Dry Season Water Depth (m)	2.80	2.50	5.77	2.50	0.65	1.25	0.85	2.00	1.50
	Normal Flood Water depth (m)	3.85	3.00	6.77	3.00	3.25	4.22	3.38	3.00	3.00
Proposed Bridge L	ength (m)	45	45	100	40	75	75	90	30	20
Span Arrangement	t	3x15m	3x15m	5x20m	2x10m+1x20m	3x25m	3x25m	3x20m+2x15m	1x30m	1x20m
Cost (Abutment inc	cluding Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0
Cost (Pier including	g Foundation)	1858150.0	1858150.0	5553840.0	1858150.0	1858150.0	1858150.0	5553840.0		
Cost (Super Struct	ure)	13185000.0	13185000.0	29300000.0	11720000.0	21975000.0	21975000.0	26370000.0	8790000.0	5860000.0
Cost (Super Struct	ure Erection)	283500.0	283500.0	630000.0	252000.0	472500.0	472500.0	567000.0	189000.0	126000.0
Total Cost		17957070	17957070	38114260	16460570	26936070	26936070	35121260	11609420	8616420

Final Report October, 2002

.

D-56

1

5

District : Patual	khali							·····		
Name of Thana	· · · · · · · · · · · · · · · · · · ·	Bau	iphal	Di	urniki	Dasmina	Kalapara			
Serial Number		27	30	31	32	33	36	37	38	
Bridge ID		48-03-N3	48-04-N1	48-04-N2	48-04-N3	48-05-01	48-07-01 48-07-02 4		48-07-03	
Road ID		578383076	546074013	546473036	546074013	578523021	578662002	578662003	578662003	
<u>ب</u>	Bank to Bank Wide (m)	27.00	40.00	65	84	48	42	60	55	
Water Way	Dry Season Water Depth (m)	2.50	8.00	6	8.5	2.28	2,9	3.57	3.2	
	Normal Flood Water depth (m)	4.50	18.00	19	. 18	8.52	4	4.15	3.65	
Proposed Bridge	a Length (m)	30	45	65	90	50	45	60	60	
Span Arrangem	ent	1x30m	3x15m	2x20+1x25	3x20m+2x15m	2x15m+1x20m	3x15m	3x20m	3x20m	
Cost (Abutment	including Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	
Cost (Pier includ	ling Foundation)	}	1858150.0	2776920.0	5553840.0	1858150.0	1858150.0	2776920,0	2776920.0	
Cost (Super Structure)		8790000.0	13185000.0	19045000.0	26370000.0	14650000.0	13185000.0	17580000.0	17580000.0	
Cost (Super Str.	cture Erection)	189000.0	283500.0	409500.0	567000.0	315000.0	283500.0	378000.0	378000.0	
Total Cost	· · ·	11609420	17957070	24861840	35121260	19453570	17957070	23365340	23365340	

District : Rajsh	ahi							······	
Name of Thana		Pa	ba			Bag	mara		
Serial Number		2	3	13	15	17	21	22	23
Bridge ID		49-01-N1 49-01-N2 49-02-10 49-02-12 49-02-14				49-02-14	49-02-N1	49-02-N2	49-02-N3
Road (D	·····	181723040	181723051	181122006	181123047	181123015	181124070	181123050	181123019
	Bank to Bank Wide (m)	30.00	50.00	90.00	66.00	43.50	90.00	90.00	90.00
Water Way	Dry Season Water Depth (m)	1.50	2.00	1.10	1.80	1.60	1.20	1.75	1.30
<u>s</u> s	Normal Flood Water depth (m)	4.00	3.00	3.50	4.50	3.20	3.10	3.40	2,90
Proposed Bridge	e Length (m)	30.00	50.00	90.00	65.00	45.00	90.00	90.00	90.00
Span Arrangem	ent	1x30m	2x15+1x20	3x20+2x15	2x20m+1x25m	3x15m	3x20+2x15	3x20+2x15	3x20+2x15
	including Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0
	sing Foundation)		1858150	37 16300	1858150	1858150	3716300	3716300	3716300
Cost (Super Str		8790000	14650000	26370000	19045000	13185000	26370000	26370000	26370000
	ucture Erection)	189000	315000	567000	409500	283500	567000	567000	567000
Total Cost		11609420	19453570	33283720	23943070	17957070	33283720	33283720	33283720

District : Gaiban	idha										
Name of Thana		Palashbari	Sadul	lahpur	Shagata	Sundargonj		Gobindaganj			
Serial Number		4	8	9	13	20	21	22	26	27	
Bridge ID		50-02-01	50-03-04	50-03-05	50-04-04	50-05-01	50-05-02	50-06-01	50-06-01 50-06-05 50		
Road ID		132673023	132825035	132824031	132883016	132913001	132914064	132303093	132303104	132303104	
	Bank to Bank Wide (m)	40.00	40.00	45.00	35.00	44.00	50.00	30.00	27.00	30.00	
Water Way	Dry Season Water Depth (m)	2.50	0.70	0.40	2.00	0.30	2.50	0.00	1.60	2.00	
	Normal Flood Water depth (m)	3.20	4.80	4.80	6.50	2.70	4.00	1.86	3.47	3.60	
Proposed Bridge	Length (m)	40.00	40.00	45.00	35.00	40.00	30.00	30.00	30.00	30.00	
Span Arrangeme	nt	2x10m+1x20m	2x10m+1x20m	3x15m	2x10m+1x15m	2x10m+1x20m	1x30m	1x30m	1x30m	1x30m	
	including Foundation)	2630420	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	
Cost (Pier includi		2776920	1858150.0	1858150	1858150	1858150.0					
Cost (Super Structure)		11720000	11720000.0	13185000	10255000	11720000.0	8790000	8790000	8790000	8790000	
	Cost (Super Structure Erection)		252000.0	283500	220500	252000.0	189000	189000	189000	189000	
Total Cost		17379340	16460570	17957070	14964070	16460570	11609420	11609420	11609420	11609420	

•

D-58

District : Rangp	Kal .									
Name of Thana		Sadar	Bodorganj					Gangacora		
Serial Number		2 6 8 9 10 11 12 13				13	15			
Bridge ID		51-01-02	51-02-02	51-02-N1	51-02-N2	51-03-01	51-03-02	51-03-03	51-03-04	51-04-01
Road ID		185493027	185033004	185033011	185032004	185763041	185764004	185763044	185763018	185273010
	Bank to Bank Wide (m)	60.00	35.00	150.00	175.00	30.00	50.00	50.00	45.00	50.00
Water Way	Dry Season Water Depth (m)	2.20	1.50	0.30	0.25	1.70	0.60	0.60	2.60	0.60
	Normal Flood Water depth (m)	4.16	3.24	4.81	2.80	4.50	4.40	4.74	3.00	4.10
Proposed Bridge	Length (m)	50.00	35.00	100.00	100.00	30.00	50.00	50.00	45.00	50.00
Span Arrangem		2x15+1x20	2x10m+1x15m	5x20m	5x20m	1x30m	2x15+1x20	2x15+1x20	3x15m	2x15+1x20
<u> </u>	including Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0
··· · ·	ling Foundation)	1858150	1858150	3716300	3716300		1858150	1858150	1858150	1858150
Cost (Super Str	······································	14650000	10255000	29300000	29300000	8790000	14650000	14650000	13185000	14650000
Cost (Super Stri		315000	220500	630000	630000	189000	315000	315000	283500	315000
Total Cost		19453570	14964070	36276720	36276720	11609420	19453570	19453570	17957070	19453570

District : Rangp											
Name of Thana		Pirgacha			Pirgacha			Mitha	ipukur	Ko	wnia
Serial Number		16	17	18	19	21	22	24	25	26	29
Bridge ID		51-05-01	51-05-02	51-05-03	51-05-04	51-05-06	51-05-N1	51-06-02	51-06-N1	51-07-01	51-07-04
Road ID		185733038	185733013	185733030	185733017	185733014	185733001	185582004	185584007	185425065	185422008
	Bank to Bank Wide (m)	30.00	50.00	44.00	35.00	70.00	28.00	60.00	110.00	96.00	38.00
Vater Way	Dry Season Water Depth (m)	1.30	0.40	0.80	0.50	0.90	2.40	6.50	8.10	0.00	0.00
<u>š</u> s	Normal Flood Water depth (m)	3.90	2.80	4.30	3.40	4.30	5.50	8.50	10.60	2.50	2.20
Proposed Bridge	Eenoth (m)	20.00	40.00	40.00	30.00	40.00	25.00	60.00	100.00	100.00	40.00
Span Arrangeme		1x20m	2x10m+1x20m	2x10m+1x20m	1x30m	2x10m+1x20m	1x25m	3x20m	5x20m	5x20m	2x10m+1x20m
·	including Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0
	ing Foundation)		1858150.0	1858150.0		1858150.0		2776920	5553840	5553840	1858150.0
Cost (Super Stru		5860000	11720000.0	11720000.0	8790000	11720000.0	7325000	17580000	29300000	29300000	11720000.0
Cost (Super Stru		126000	252000.0	252000.0	189000	252000.0	157500	378000	630000	630000	252000.0
Total Cost		8616420	16460570	16460570	11509420	16460570	10112920	23365340	38114260	38114260	16460570

• •

### **PROJECT COST**

Final Report October, 2002

.

District : Natore	)											
Name of Thana		Natore Sadar	Gurudashpur		Shingra			Baraigram				
Serial Number		3	12	13	14	15	17	18 19				
Bridge ID		52-01-03	52-02-01	52-03-01	52-03-02	52-03-N1	52-04-02	52-04-N1	52-04-N2	52-04-N3		
Road ID		169634003	169414054	169912004	169914021	169913025	169153013	Unidentified	169153013	Unidentified		
r /	Bank to Bank Wide (m)	60.00	100.00	90.00	48.00	44.00	50.00	60.00	48.00	120.00		
Vater Way	Dry Season Water Depth (m)	0.20	2.00	0.45	0.40	0.50	1.10	0.60	0.40	0.65		
-	Normal Flood Water depth (m)	3.70	5.00	3.80	3.80	2.30	2.80	3.10	2.30	2.30		
Proposed Bridge Length (m)		65	105	90	50	50	50	60	50	120		
Span Arrangeme	ent	2x20m+25m	4x20m+25m	2x15m+3x20m	2x15m+20m	2x15m+20m	2x15m+20m	3x20m	2x15m+20m	20m+4x25m		
Abutment Heighi	t (m)	3.60	5.60	6.60	5.00	4.00	4.60	4.80	4.50	5.20		
Pier Height (m)		7.00	9.50	9.40	7.60	6.30	5.90	6.80	6.50	6.00		
Cost (Abutment	including Foundation)	2630420.0	3544507.0	3405470.0	3182275.0	2630420.0	2950075.0	3460915.0	3559220.0	3460915.0		
Cost (Pier includ	ing Foundation)	2776920.0	5553840	5553840	2776920	2776920	1858150	2776920.0	2776920	3716300.0		
Cost (Super Stru	icture)	19045000.0	30765000	26370000	14650000	14650000	14650000	17580000.0	14650000	35160000.0		
Cost (Super Stru	cture Erection)	409500.0	661500	567000	315000	315000	315000	378000.0	315000	756000.0		
Total Cost		24861840	40524847	35896310	20924195	20372340	19773225	24195835	21301140	43093215		

District : Natore				
Name of Thana		Barai	gram	Lalpur
Serial Number		21	22	23
Bridge ID	· · ·	52-04-N4	52-04-N5	52-05-01
Road ID		169155070	Unidentified	169443022
* ~	Bank to Bank Wide (m)	45.00	55.00	62.00
Water Way	Dry Season Water Depth (m)	0.80	0.60	0.80
>-	Normal Flood Water depth (m)	2.80	3.40	4.50
Proposed Bridge Length (m)		50	60	65
Span Алалдете	nt	2x15m+20m	3x20m	2x20m+25m
Abutment Height	(m)	3.60	4.00	4.30
Pier Height (m)		6.00	8.00	-8.80
Cost (Abutment i	ncluding Foundation)	2630420.0	3234140.0	3187700.0
Cost (Pier includi	ng Foundation)	1858150.0	2776920.0	2776920.0
Cost (Super Stru	cture)	14650000.0	17580000.0	19045000.0
Cost (Super Stru	cture Erection)	315000.0	378000.0	409500.0
Total Cost		19453570	23969060	25419120

District : Naoga	on				-					
Name of Thana		1		Sada	21		·	Motia	debpur	Dhamoirhat
Serial Number		1	10	11	12	13	14	16	17	20
Bridge ID	· · · · · · · · · · · · · · · · · · ·	53-01-01	53-01-10	53-01-N1	53-01-N2	53-01-N3	53-01-N4	53-02-N1	53-02-N2	53-04-02
Road ID		164603057	164602002	164603043	Unidentified	Unidentified	Unidentified	164502002	502002 164504051	
	Bank to Bank Wide (m)	90.00	105.00	62.00	76.00	90.00	90.00	170.00	245.00	50.00
Water Way	Dry Season Water Depth (m)	1.00	0.60	1.00	1.50	1.02	1.00	1.60	1.20	0.10
e X	Normal Flood Water depth (m)	6.50	6.50	7.00	8.85	9.62	8.50	7.90	7.16	6.00
Proposed Bridge		90.00	105.00	65.00	75.00	85.00	90.00	170.00	240.00	40.00
Span Arrangeme		3x20+2x15	4x20m+1x25m	2x20m+1x25m	3x25m	4x15m+1x25m	3x20+2x15	6x25m+1x20m	8x25m+2x20m	2x10m+1x20m
	including Foundation}	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0
·····	ling Foundation)	37 16300	3716300	1858150	2776920	3716300	3716300	5574450	12496140.0	1858150.0
Cost (Super Stru		26370000	30765000	19045000	21975000	24905000	26370000	49810000	70320000.0	11720000.0
Cost (Super Stru		567000	661500	409500	472500	535500	567000	1071000	1512000.0	252000.0
Total Cost		33283720	37773220	23943070	27854840	31787220	33283720	59085870	86958560	16460570

District : Naoga	on					······				
Name of Thana		Dhamoirhat	Shapahar		Porsha	Niamatpur	Badalgaci	Atrai		
Serial Number		21	23	24	25	26	27	28	29	30
Bridge ID		53-04-03	53-05-01	53-05-02	53-06-01	53-07-01	53-08-01	53-09-N1	53-09-N2	53-09-N3
Road ID		164032001	164854010	164854010	164792007	164693010	164063006	164032003	164033004	164032003
Bank to Bank Wide (m)		430.00	87.00	90.00	50.00	60.00	84.00	200.00	60.00	60.00
Water Way	Dry Season Water Depth (m)	2.00	1.50	2.30	1.28	0.15	0.79	3.00	1.00	1.00
<u>3</u> ×	Normal Flood Water depth (m)	5.00	8.59	5.15	4.28	4.40	4.78	8.00	3.00	4.00
Proposed Bridge	Length (m)	280.00	90.00	90.00	50.00	50.00	90.00	180.00	40.00	60.00
Span Arrangeme		8x25m+4x20m	3x20+2x15	3x20+2x15	2x15+1x20	2x15+1x20	3x20+2x15	4x25m+4x20m	2x10m+1x20m	3x20m
	including Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0
Cost (Pier including Foundation)		10219825	3716300	3716300	1858150	1858150	3716300	6503525	1858150.0	1858150
Cost (Super Structure)		82040000	26370000	26370000	14650000	14650000	26370000	52740000	11720000.0	17580000
		1764000	567000	567000	315000	315000	567000	1134000	252000.0	378000
		96654245	33283720	33283720	19453570	19453570	33283720	63007945	16460570	22446570

D-61

ï

٩

		000T
PRO'	JECT	COST

District : Nawat	ogónj											
Name of Thana		Sac	lar		Shibgonj							
Serial Number		2	3	5	6	7	8	9	10	11		
Bridge ID		54-01-N1	54-01-N2	54-02-N1	54-02-N2	54-02-N3	54-02-N4	54-02-N5	54-02-N6	54-02-N7		
Road ID		170665025	170663037	170884017	170883012	170884047	170883026	170683047	170883043	170883039		
	Bank to Bank Wide (m)	70.00	100.00	150.00	30.00	80.00	80.00	50.00	35.00	130.00		
Water	Dry Season Water Depth (m)	1.50	0.87	1.15	0.00	0.60	1.20	0.00	0.00	1.20		
53	Normal Flood Water depth (m)	4.50	3.77	3.71	6.00	5.60	3.20	5.50	3.00	8.20		
Proposed Bridge	: Length (m)	65.00	90.00	150.00	30.00	80.00	80.00	40.00	30.00	130.00		
Span Arrangeme	ent	2x20m+1x25m	3x20+2x15	6x25m	1x30m	4x15m+1x20m	4x15m+1x20m	2x10m+1x20m	1x30m	4x20m+2x25m		
Cost (Abutment	including Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0		
Cost (Pier includ	ling Foundation)	2776920	3716300	4645375		3716300.0	3716300.0	1858150.0		6942300.0		
Cost (Super Stru	ucture)	19045000	26370000	43950000	8790000	23440000.0	23440000.0	11720000.0	8790000	38090000.0		
Cost (Super Structure Erection) 409500		567000	945000	189000	504000.0	504000.0	252000.0	189000	819000.0			
Total Cost		24861840	33283720	52170795	11609420	30290720	30290720	16460570	11609420	48481720		

District : Nawab	ogonj									
Name of Thana					Shibgonj				Gomostapur	
Serial Number		12	13	14	15	16	17	18	20	21
Bridge ID	Bridge ID		54-02-N9	54-02-N10	54-02-N11	54-02-N12	54-02-N13	54-02-N14	54-03-N1	54-03-N2
Road ID		170883033	Unidentified	170883006	170883042	170884026	170883028	170883026	170283030	170284031
Bank to Bank Wide (m)		40.00	40.00	25.00	40.00	40.00	65.00	100.00	180.00	300.00
Water Way	Dry Season Water Depth (m)	0.00	1.80	1.20	1.60	1.80	1.10	1.00	6.15	4.00
5 4	Normal Flood Water depth (m)	6.50	6.60	6.70	6.80	7.30	4.50	4.50	11.78	11.00
Proposed Bridge	: Length (m)	40.00	40.00	25.00	40.00	40.00	40.00	100.00	180.00	300.00
Span Arrangeme	ant	2x10m+1x20m	2x10m+1x20m	1x25m	2x10m+1x20m	2x10m+1x20m	2x10m+1x20m	5x20m	4x25m+4x20m	12x25m
Cost (Abutment i	including Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0
Cost (Pier including Foundation)		1858150.0	1858150.0		1858150.0	1858150.0	1858150.0	3716300	9719220	15273060
Cost (Super Structure)		11720000.0	11720000.0	7325000	11720000.0	11720000.0	11720000.0	29300000	52740000	87900000
Cost (Super Structure Erection)		252000.0	252000.0	157500	252000.0	252000.0	252000.0	630000	1134000	1890000
Totai Cost		16460570	16460570	10112920	16460570	16460570	16460570	36276720	66223640	107693480

- .

.

Bangladesh	
Consultants	
Ltd	

District : Nawab	gonj										
Name of Thana						Nachol					Bholahat
Serial Number		22	24	25	26	27	28	29	30	31	32
Bridge ID		54-04-01	54-04-03	54-04-N1	54-04-N2	54-04-N3	54-04-N4	54-04-N5	54-04-N6	54-04-N7	54-05-N1
Road ID	load ID		170563015	170565017	170565017	170564002	170565067	170565028	170564017	170564017	170183015
	Bank to Bank Wide (m)	14.00	15.00	25.00	16.00	16.00	30.00	16.00	20.00	40.00	25.00
Vater Way	Dry Season Water Depth (m)	0.60	0,60	1.14	0.60	0.50	1.00	2.50	2.00	4.50	1.00
<u>š</u> ×	Normal Flood Water depth (m)	1.65	2.50	6.60	1.50	6.50	9.00	6.50	7.00	7.50	3.00
Proposed Bridge	Length (m)	20.00	20.00	25.00	15.00	15.00	30.00	15.00	20.00	40.00	15.00
Span Arrangeme		1x20m	1x20m	1x25m	1x15m	1x15m	1x30m	1x15m	1x20m	2x10m+1x20m	1X15m
	ncluding Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0
Cost (Pier includi		L								1858150.0	
Cost (Super Stru		5860000	5860000	7325000	4395000	4395000	8790000	4395000	5860000	11720000.0	4395000
Cost (Super Structure Erection)		126000	126000	157500	94500	94500	189000	94500	126000	252000.0	94500
Total Cost		8616420	8616420	10112920	7119920	7119920	11609420	7119920	8616420	16460570	7119920

÷.,

District : Sirajga	anj									
Name of Thana				Sirajganj Sadar		•		Chouhali		Kamarkhanda
Serial Number		1 1	2	3	5	6	7	8	9	11
Bridge ID		55-01-01	55-01-02	55-01-03	55-01-N1	55-01-N2	55-02-01	55-02-02	55-02-03	55-03-02
Road ID		188783038	188783066	188783004	168783003	188783003	188272002	188272001	188273002	188445010
Bank to Bank Wide (m)		200.00	62.00	25.00	30.00	40.00	60.00	65.00	48.00	43.00
Water Way	Dry Season Water Depth (m)	1.50	1.50	1.25	0.00	0.00	0.30	0.00	0.30	1.50
3>	Normal Flood Water depth (m)	6.50	3.50	2.30	1.25	0.75	2.50	3.25	3.20	3.25
Proposed Bridge	Length (m)	200	65	25	30	40	60	65	50	45
Span Arrangeme	ant	8x25m	2x20m+25m	1x25m	1x30m	2x10m+20m	3x20m	2x20m+25m	2x15m+20m	3x15m
Abutment Height	t (m)	5.00	3.25	3.50	3.10	3.60	3.80	3.65	3.10	3.00
Pier Height (m)	· · · · · · · · · · · · · · · · · · ·	10.50	6.00			7.20	5.70	9.00	5.70	7.00
Cost (Abutment i	including Foundation)	2950075.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2862620.0
Cost (Pier includ	ing Foundation)	13321595	2776920		•	2776920.0	1858150	2776920	1858150	2776920
Cost (Super Structure)		58600000	19045000	7325000	8790000	11720000.0	17580000	19045000	14650000	13185000
Cost (Super Structure Erection)		1260000	409500	157500	189000	252000.0	378000	409500	315000	283500
Total Cost			24861840	10112920	11609420	17379340	22446570	24861840	19453570	19108040

District : Sirajga	unj				. <u> </u>			· · <u>· · · · · · · · · · · · · · · · · </u>		
Name of Thana		Bell	uchi	Roy	gonj	L	Tarash		Ullar	
Serial Number		13	14	15	16	17	18	19	21	22
Bridge ID		55-04-01	55-04-02	55-05-01	55-05-02	55-06-01	55-06-02	55-06-03	55-07-02	55-07-03
Road ID		188113012	188113014	188612002	188612008	188893003	188893003	188892002	188943074	188942006
Bank to Bank Wide (m)		100.00	120.00	210.00	205.00	50.00	80.00	60.00	30.00	210.00
Vater Way	Dry Season Water Depth (m)	0.40	1.50	1.50	1.50	0.00	0.00	1.75	0.00	5.00
₹×	Normal Flood Water depth (m)	6.10	4.00	5.50	4.50	1.500	2.00	5.65	1.500	7.50
Proposed Bridge		100	120	200	200	50	80	60	30	200
Span Arrangeme		5x20m	20m+4x25m	8x25m	8x25m	2x15m+20m	4x15m+20m	3x20m	1x30m	8x25m
Abutment Heigh		3.90	4.50	7.50	5.00	4.50	4.80	3.75	3.50	4.50
Pier Height (m)		8.90	9.00	10.00	10.00	8.50	9.00	9.25	-	13.50
	including Foundation)	2630420	2630429.0	3405470.0	2950075.0	2630420.0	2950075.0	2630420.0	2630420.0	2630420.0
	ling Foundation)	5553840	5553840	9719220	9719220	2776920	5553840.0	2776920		13321595
Cost (File Initiation of Foundation)		29300000	35160000	58600000	58600000	14650000	23440000.0	17580000	8790000	58600000
Cost (Super Structure Erection)		630000	756000	1260000	1260000	315000	504000.0	378000	169000	1260000
Total Cost			44100260	72984690	72529295	20372340	32447915	23365340	11609420	75812015

District : Sirajga	nj			<u>.                                    </u>						
Name of Thana						Ullapara				·
Seriat Number		23	25	26	27	28	29	31	32	33
Bridge ID		55-07-04	55-07-06	55-07-07	55-07-08	55-07-09	\$5-07-10	55-07-12	55-07-13	55-07-N1
Road ID		188943036	188943006	188943060	168943059	188943074	188943038	188943063	188943024	188942007
Bank to Bank Wide (m)		60.00	55.00	62.00	61.00	65.00	39.00	25.00	48.00	212.00
Water Way	Dry Season Water Depth (m)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	8.40
<u>s</u> s	Normal Flood Water depth (m)	1.30	4.80	2.50	1.50	4.25	3.30	0.45	4.50	13.50
Proposed Bridge Length (m)		60	50	60	60	60	40	25	50	200
Span Arrangeme		3x20m	2x15m+20m	3x20m	3x20m	3x20m	2x10m+20m	1x25m	2x15m+20m	Bx25m
Abutment Height	· · · · · · · · · · · · · · · · · · ·	3.75	3.90	4.25	3.90	4.50	4.00	3.50	5.60	6.00
Pier Height (m)		6.00	8.50	7.00	7.00	8.50	9.00	-	9.50	8.50
	ncluding Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2950075.0	2950075.0
		1858150	2776920	2776920	2776920	2776920	2776920.0		2776920	97 19220
Cost (Pier including Foundation) Cost (Super Structure)		17580000	14650000	17580000	17580000	17580000	11720000.0	7325000	14650000	58600000
		378000	315000	376000	378000	378000	252000.0	157500	315000	1260000
		22446570	20372340	23365340	23365340	23365340	17379340	10112920	20691995	72529295

D-64

Final Report October, 2002

Master Plan Study for Portable Steel Bridge Construction on Feeder and Rural Roads in Bangladesh

District : Sirajga	າມ				
Name of Thana		Ulla	para	Kazipur	Shahjadpur
Serial Number		34	35	36	37
Bridge ID		55-07-N2	55-07-N3	55-08-01	55-09-01
Road ID	·	188943038 188943009		188503022	188673022
Bank to Bank Wide (m)		42.00	55.00	95.00	80.00
		0.00	0.00	6.70	0.00
Normat Flood Water depth (m)		3.50	2.50	9.40	3.50
Proposed Bridge	Length (m)	40	40 50 10		60
Span Алтапдете	nt	2x10m+20m	2x15m+20m	5x20m	4x15m+20m
Abutment Height	(m)	3.75	4.00	4.75	4.50
Pier Height (m)		6.00	7.00	10.50	9.50
Cost (Abutment i	ncluding Foundation) -	2630420.0	2630420.0	2950075.0	2630420.0
Cost (Pier including Foundation)		1858150.0	2776920	7612340	5553840
Cost (Super Structure)		11720000.0	14650000	29300000	23440000
Cost (Super Stru	cture Erection)	252000.0	315000	630000	504000
Total Cost		16460570	20372340	40492415	32128260

District : Pabna										
Name of Thana		Sadar	I	Chatmohor		Fari	dpur	Faridpur		
Serial Number		2	3	5	12	13	14	15	16	17
Bridge ID		56-01-02	56-02-01	56-02-03	56-02-10	56-03-01	56-03-02	56-03-03	56-03-04	56-03-05
Road ID		176553120	176223017	176223032	176222006	176332001	176333002	176335042	176333005	176333005
* ~	Bank to Bank Wide (m)	101.00	82.00	155.00	86.00	78.00	171.00	142.00	83.00	86.00
Water Way	Dry Season Water Depth (m)	0.30	0.30	0.30	0.30	1_20	5.70	5.60	2.18	2.10
>-	Normal Flood Water depth (m)	2.10	2.10	6.50	6.50	8.40	15.60	15.40	10.80	11.70
Proposed Bridge	Proposed Bridge Length (m)		80	160	90	60	180	150	90	90
Span Arrangeme	sut	5x20m	4x15m+1x20m	4x25m+3x20m	2x15m+3x20m	4x15m+1x20m	4x20m+4x25m	6x25m	2x15m+3x20m	2x15m+3x20m
Abutment Height	(m)	4.50	3.50	5.80	6.15	4.70	7.00	6.30	6.30	6.50
Pier Height (m)		7.60	4.50	10.50	10.00	10.00	20.00	20.00	15.00	15.00
Cost (Abutment i	ncluding Foundation)	2630420.0	2630420.0	2950075.0	3368035.0	2950075.0	3702686.0	3321595.0	4389715.0	2950075.0
Cost (Pier includi	ing Foundation)	5553840	3716300	11418510	5553840	5553840	13321595	9515425	7612340	7612340
Cost (Super Structure)		29300000	23440000	46880000	26370000	23440000	52740000	43950000	26370000	26370000
Cost (Super Structure Erection)		630000	504000	1008000	567000	504000	1134000	945000	567000	567000
Total Cost		38114260	30290720	62256585	35858875	32447915	70898281	57732020	38939055	37499415

.

.

Final Report October, 2002

Master Plan Study for Portable Steel Bridge Construction on Feeder and Rural Roads in Bangladesh

•

District : Pabna					
Name of Thana		Vangura	Sathia	Atgoria	
Serial Number		20	23	33	
Bridge ID		56-04-03	56-06-01	56-08-N1	
Road ID		176192002	176723045	176052002	
<b>±</b> >	Bank to Bank Wide (m)	219.00	75.00	90.00	
Water Way	Dry Season Water Depth (m)	2.60	0.80	0.90	
>-	Normal Flood Water depth (m)	9.84	3.60	5.10	
Proposed Bridge	Lêngth (m)	200	75	95	
Span Arrangeme	nt	8x25m	3x25m	15m+4x20m	
Abutment Height	(m)	8.04	3.40	8.00	
Pier Height (m)		15.00	8.40	9.50	
Cost (Abutment i	ncluding Foundation)	4157798.0	4023620.0	3405470.0	
Cost (Pier includi	ng Foundation)	13321595	2776920.0	5553840.0	
Cost (Super Strue	cture)	58600000	21975000.0	27835000.0	
Cost (Super Stru	cture Erection)	1260000	472500.0	598500.0	
Total Cost		77339393	29248040	37392810	

District : Bogra								· · ·		
Name of Thana				Sadar				Sh	erpur	
Serial Number		2	4	6	. 8	9	13	14	15	16
Bridge ID		57-01-02	57-01-04	57-01-06 .	57-01-N1	57-01-N2	57-02-N1	11 57-02-N2 57-02-N3 57-02		
Road ID		110203019	110203017	110203071	110203070	110203005	110583006	110883001	110883006	110683006
<u>ہ</u> د	Bank to Bank Wide (m)	60.00	65.00	65.00	76.00	37.00	150.00	146.00	46.00	36.00
Water Way	Dry Season Water Depth (m)	1.00	1.00	1.00	2.25	1.50	0.50	1.60	0.40	1.00
>-	Normal Flood Water depth (m)	3.25	3.30	2.75	3.50	3.00	5.00	7.40	2.50	2.50
Proposed Bridge	Length (m)	60	60	60	80	40	150	150	45	35
Span Arrangeme	nt	3x20m	3x20m	3x20m	4x15m+20m	2x10m+20m	6x25m	6x25m	3x15m .	2x10m+15m
Abutment Height	(m)	3.60	3.75	3.90	4.50	3.00	5.25	4,50	4.50	4.50
Pier Height (m)		8.50	8.45	7.50	9.00	6.75	10.50	16.00	6.50	7.00
Cost (Abutment i	ncluding Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2950075.0	2630420.0	2630420.0	2630420.0
Cost (Pier includi	ing Foundation)	2776920	2776920	2776920	5553840	2776920	9515425	9515425	2776920.0	2776920
Cost (Super Stru	cture)	17580000	17580000	17580000	23440000	11720000	43950000	43950000	13185000.0	10255000
Cost (Super Stru	cture Erection)	378000	378000	378000	504000	252000	945000	945000	283500.0	220500
Total Cost		23365340	23365340	23365340	32128260	17379340	57360500	57040845	18875840	15882840

Final Report October, 2002

.

Master Plan Study for Portable Steel Bridge Construction on Feeder and Rural Roads in Bangladesh

.

District : Bogra										
Name of Thana		Sherpur				Ga	obtali			
Serial Number		17	25	26	27	28	30	31	32	33
Bridge ID		57-02-N5	57-03-N1	57-03-N2	57-03-N3	57-03-N4	57-03-N6	57-03-N7	57-03-NB	57-03-N9
Road ID		110883047	110403054	110403040	110403007	110403033	110404001	110403048	110403030	110403042
	Bank to Bank Wide (m)	96.00	57.00	63.00	90.00	93.00	32.00	43.00	36.00	30.00
Water Way	Dry Season Water Depth (m)	1.00	2.50	1.25	0.50	0.30	0.30	2.25	2.00	0.30
5-	Normal Flood Water depth (m)	3.00	5.50	3.75	2.50	3.00	1.50	5.00	4.50	2.50
Proposed Bridge	Length (m)	100	60	60	90	90	· 30	45	40	30
Span Алталдетне	znit	5x20m	3x20m	3x20m	2x15m+3x20m	2x15m+3x20m	1x30m	3x15m	2x10m+20m	1x30m
Abutment Height	(m)	4.50	4.90	4.50	4.00	4.50	3.50	3.50	4.00	3.50
Pier Height (m)		7.00	10.00	7.50	7.00	7.50	-	8.00	8.50	-
Cost (Abutment i	ncluding Foundation)	2630420.0	2950075.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	3094820.0
Cost (Pier includ	ing Foundation)	5553840.0	2776920	2776920	5553840	5553840		2776920	2776920	
Cost (Super Stru	cture)	29300000.0	17580000	17580000	26370000	26370000	8790000	13185000	11720000	8790000
Cost (Super Stru	cture Erection)	630000.0	378000	378000	567000	567000	189000	283500	252000	189000
Total Cost		38114260	23684995	23365340	35121260	35121260	11609420	18875840	17379340	12073820

District : Bogra										
Name of Thana		Gabtali	Nandigarm		Sona	itola			Shariakandi	
Serial Number		34	37	38	39	40	41	44	45	46
Bridge ID		57-03-N10	57-04-03	57-05-01	57-05-02	57-05-03	57-05-04	57-06-N1	57-06-N2	57-06-N3
Road ID		110404036	110673011	110953011	110953018	110953014	110953069	110813028	110813012	110814034
<b>*</b> .	Bank to Bank Wide (m)	47.00	60.00	75.00	44.00	336.00	68.00	283.00	280.00	50.00
Water Way	Dry Season Water Depth (m)	0.00	1.00	2.50	1.20	2.00	1.00	2.50	2.50	0.50
5-	Normal Flood Water depth (m)	1.50	3.85	5.00	3.50	4.50	4.50	5.50	6.00	1.50
Proposed Bridge	a Length (m)	50	60	75	50	350	70	300	270	50
Span Arrangeme	ent	2x15m+20m	3x20m	3x25m	2x15m+20m	14x25m	1x20m+2x25m	12x25m	10x25m+20m	2x15m+20m
Abutment Height	t (m)	2.50	3.50	5.50	4.00	7.50	4.50	6.50	7.50	4.50
Pier Height (m)		4.50	10.00	10.00	7.50	16.00	6.50	13.50	15.50	7.00
Cost (Abutment i	including Foundation)	2630420.0	2630420.0	2950075.0	2630420.0	3405470.0	2630420.0	2950075.0	3405470.0	2630420.0
Cost (Pier includ	ling Foundation)	1858150	2776920	2776920	2776920	24740105	2776920	20933935	19030850	2776920
Cost (Super Stru	icture)	14650000	17580000	21975000	14650000	102550000	20510000	87900000	79110000	14650000
Cost (Super Stru	icture Erection)	315000	378000	472500	315000	2205000	441000	1890000	1701000	315000
Total Cost		19453570	23365340	28174495	20372340	132900575	26358340	113674010	103247320	20372340

.

### **PROJECT COST**

Master Plan Study for Portable Steel Bridge Construction on Feeder and Rural Roads in Bangladesh

District : Bogra	i i i i i i i i i i i i i i i i i i i									
Name of Thana	i	Shariakandi				Dhunot				Shibganj
Serial Number		47	48	49	50	51	52	53	54	56
Bridge (D		57-06-N4	57-07-01	57-07-N1	57-07-N2	57-07-N3	57-07-N4	57-07-N5	57-07-N6	57-08-N1
Road ID		110814029	110272008	110272008	110273082	110273082	110273026	110273005	110273055	110944039
= .	Bank to Bank Wide (m)	73.00	42.00	200.00	60.00	34.00	51.00	50.00	72.00	70,00
Water Way	Dry Season Water Depth (m)	1.00	1.25	1.50	0.30	1.50	2.50	3.50	0.50	0.50
5-	Normal Flood Water depth (m)	2.50	2.50	6.50	3.70	6.00	3.60	7.50	3.00	2.00
Proposed Bridge	s Length (m)	70	40	200	55	35	50	50	70	70
Span Arrangeme	ent	20m+2x25m	2x10m+20m	8x25m	2x15m+25m	2x10m+15m	2x15m+20m	2x15m+20m	2x25m+20m	2x25m+20m
Abutment Heigh	t (m)	5.00	4.50	7.50	5.50	4.50	5.00	4.50	4.00	4.00
Pier Height (m)		7,80	7.00	12.00	8.00	8.00	8.50	10.00	8.50	6,00
Cost (Abutment	including Foundation)	2950075.0	2630420.0	3405470.0	2950075.0	2630420.0	2950075.0	2630420.0	2630420.0	2630420.0
Cost (Pier includ	ling Foundation)	2776920	2776920.0	13321595	2776920	2776920	2776920	2776920	2776920	1858150
Cost (Super Str.	ucture)	20510000	11720000.0	58600000	16115000	10255000	14650000	14650000	20510000	20510000
Cost (Super Str.	cture Erection)	441000	252000.0	1260000	346500	220500	315000	315000	441000	441000
Total Cost		26677995	17379340	76587065	22188495	15882840	20691995	20372340	26358340	25439570

District : Bogra						
Name of Thana		Shibganj	Dhupe	hachia	Alam	dighi
Serial Number		57	58	59	60	61
Bridge ID		57-08-N2	57-09-01	57-09-02	57-10-01	57-10-N1
Road ID		110943010	110334020	110333002	110062009	110064042
5	Bank to Bank Wide (m)	74.00	42.00	65.00	85.00	58.00
Water Way	Dry Season Water Depth (m)	1.00	0.40	0.50	0.50	0.75
5-	Normal Flood Water depth (m)	2.50	1.50	2.50	2.40	1.50
Proposed Bridge	Lengih (m)	75	40	65	85	60
Span Arrangeme	int	3x25m	2x10m+20m	2x20m+25m	4x15m+25m	3x20m
Abutment Height	(m)	3.90	3.50	4.00	4.50	3.90
Pier Height (m)		6.50	5.50	7.00	7.50	7.60
Cost (Abutment i	including Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0
Cost (Pier includ	ing Foundation)	2776920	1858150.0	2776920	5553840	2776920
Cost (Super Stru	cture)	21975000	11720000.0	19045000	24905000	17580000
Cost (Super Stru	cture Erection)	472500	252000.0	409500	535500	378000
Total Cost		27854840	16460570	24861840	33624760	23365340

District : Dinajp	ur.									
Name of Thana			Sa	ıdar		Kaharole	Naba	ubgonj	Birol	Bochagonj
Serial Number		2	3	4	5	6	7	8	11	12
Bridge (D		58-01-N1	58-01-N2	58-01-N3	58-01-N4	58-02-01	58-03-01	58-03-02	58-04-03	58-05-01
Road ID		127643031	127643021	127642003	127643015	127563002	127694034	127695062	127173012	127213022
	Bank to Bank Wide (m)	285.00	140.00	160.00	120.00	235.00	50.00	30.00	96.00	20.00
Vater Way	Dry Season Water Depth (m)	1.20	0.00	0.00	0.15	1.00	0.74	0.21	0.45	0.30
>-	Normal Flood Water depth (m)	4.50	3.00	3.15	4.50	3.50	3.37	4.78	2.62	2.85
Proposed Bridge	Length (m)	285.00	50.00	160.00	100.00	235.00	50.00	30.00	60.00	20.00
Span Arrangeme	nt	9x25m+3x20m	2x15+1x20	4x25m+3x20m	5x20m	7x25m+3x20m	2x15+1x20	1x30m	3x20m	1x20m
Cost (Abutment i	ncluding Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0
Cost (Pier includi	ng Foundation)	10219825	1858150	5574450	3716300	8361675	1858150		2776920	
Cost (Super Struc	cture)	83505000	14650000	46880000	29300000	68855000	14650000	8790000	17580000	5860000
Cost (Super Strue	cture Erection)	1795500	315000	1008000	630000	1480500	315000	189000	378000	126000
Total Cost		98150745	19453570	56092870	36276720	81327595	19453570	11609420	23365340	8616420

District : Dinajp										
Name of Thana			Ghor	aghat		ſ	Birgonj		Parb	atipur
Serial Number		14	15	16	17	18	19	20	24	25
Bridge ID		58-06-01	58-06-02	58-06-03	58-06-04	58-07-01	58-07-02	58-07-03	58-08-N1	58-08-N2
Road ID		127433028	127433038	127433039	127433032	127123005	127123015	127123033	127772007	127773041
* ~	Bank to Bank Wide (m)	40.00	45.00	40.00	30.00	120.00	75.00	85.00	110.00	80.00
Vater Way	Dry Season Water Depth (m)	0.36	1.32	1.67	2.26	0.06	0.20	0.43	0.65	0.60
A *	Normal Flood Water depth (m)	3.51	4.74	5.51	5.61	2.93	3.79	3.75	5.47	4.20
Proposed Bridge	Length (m)	40.00	45.00	40.00	30.00	40.00	30.00	40.00	50.00	80.00
Span Arrangeme	ent	2x10m+1x20m	3x15m	2x10m+1x20m	1x30m	2x10m+1x20m	1x30m	2x10m+1x20m	2x15+1x20	4x15m+1x20m
Cost (Abutment i	ncluding Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0
Cost (Pier includi	ing Foundation)	2776920.0	2776920	2776920.0		1858150.0		1858150.0	1858150	3716300.0
Cost (Super Stru	cture)	11720000.0	13185000	11720000.0	8790000	11720000.0	8790000	11720000.0	14650000	23440000.0
Cost (Super Stru	cture Erection)	252000.0	283500	252000.0	189000	252000.0	189000	252000.0	315000	504000.0
Total Cost		17379340	18875840	17379340	11609420	16460570	11609420	16460570	19453570	30290720

Bangladesh Consultants Ltd

District : Dinajp	NUF									
Name of Thana		Parbatipur			Khanshama			Birampur	Chirin	bandar
Serial Number		26	27	28	29	30	31	32	34	36
Bridge ID		58-08-N3	58-09-01	58-09-02	58-09-03	58-09-04	58-09-05	58-10-01	58-11-01	58-11-03
Road ID		127773033	127605077	127605059	127603010	127605005	127603025	127103019	127044014	127043005
5.5	Bank to Bank Wide (m)	30.00	60.00	75.00	180.00	75.00	100.00	115.00	27.00	32.00
Vater Way	Dry Season Water Depth (m)	0.60	0.00	0.00	0.00	1.20	1.20	1.00	0.60	0.75
>-	Normat Flood Water depth (m)	3.29	1.50	1.50	2.00	3.50	3.20	2.44	2.80	2.50
Proposed Bridge	a Length (m)	20.00	60.00	75.00	180.00	60.00	60.00	110.00	30.00	35.00
Span Arrangeme	ent	1x20m	3x20m	3x25m	4x25m+4x20m	3x20m	3x20m	3x20m+2x25m	1x30m	2x10m+1x15m
Cost (Abutment	including Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0
Cost (Pier includ	ing Foundation)		1858150	1858150	6503525	2776920	2776920	3716300		1858150
Cost (Super Stru	icture)	5860000	17580000	21975000	52740000	17580000	17580000	32230000	8790000	10255000
Cost (Super Stru	icture Erection)	126000	378000	472500	1134000	378000	378000	693000	189000	220500
Total Cost		8616420	22446570	26936070	63007945	23365340	23365340	39269720	11609420	14964070

District : Dinajp	ur,				
Name of Thana			Fulbari		Hakimpur
Serial Number		39	40	41	42
Bridge ID		58-12-N1	58-12-N2	58-12-N3	58-13-01
Road ID		127383032 127383039		127383023	127473040
	Bank to Bank Wide (m)	145.00	122.00	127.00	50,00
Water Way	Dry Season Water Depth (m)	1.00	0.90	1.10	0.00
A -	Normal Flood Water depth (m)	4.70	5.30	5.50	5.00
Proposed Bridge	Length (m)	100.00	100.00	100.00	40.00
Span Arrangeme	nt	5x20m	5x20m	5x20m	2x10m+1x20m
Cost (Abutment i	ncluding Foundation)	2630420.0	2630420.0	2630420.0	2630420.0
Cost (Pier includi	ing Foundation)	3716300	3716300	3716300	1858150.0
Cost (Super Stru	cture)	29300000	29300000	29300000	11720000.0
Cost (Super Structure Erection)		630000	630000	630000	252000.0
Total Cost		36276720	36276720	36276720	16460570

Bangladesh Consultants Ltd

1

2

.

District : Panch	aganh		<u>-</u>							
Name of Thana		1	·····	Sa	dar			Tatulia	Deb	iganj
Serial Number		2	3	4	5	6	7	9	11	12
Bridge ID		59-01-N1	59-01-N2	59-01-N3	59-01-N4	59-01-N5	59-01-N6	59-02-N1	59-03-02	59-03-N1
Road ID		177733010	177733001	177733053	177734018	177735082	177734018	177794016	177343021	177343011
	Bank to Bank Wide (m)	60.00	135.00	80.00	130.00	70.00	60.00	30.00	51.00	51.00
Vater Way	Dry Season Water Depth (m)	0.62	0.58	0.63	0.80	0.70	0.50	0.85	1.25	1.20
	Normal Flood Water depth (m)	3.37	2.23	3.23	4.00	3.60	4.00	4.25	3.40	3.00
Proposed Bridge	Length (m)	45.00	80.00	60.00	120.00	70.00	60.00	20.00	60.00	45.00
Span Arrangeme	unit	3x15m	4x15m+1x20m	3x20m	4x25m+1x20m	1x20m+2x25m	3x20m	1x20m	3x20m	3x15m
Cost (Abutment i	ncluding Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0
Cost (Pier includi	ing Foundation)	2776920	3716300.0	1858150	3716300	1858150	1858150	·	1858150	1858150
Cost (Super Stru	cture)	13185000	23440000.0	17580000	35160000	20510000	17580000	5860000	17580000	13185000
Cost (Super Stru	cture Erection)	283500	504000.0	376000	756000	441000	378000	126000	378000	283500
Total Cost		18875840	30290720	22446570	42262720	25439570	22446570	8616420	22446570	17957070

District : Pancha	agarh				<u> </u>	······
Name of Thana		Atwari		Bod	a	
Serial Number		13	14	15	16	17
Bridge ID		59-04-N1	59-05-N1	59-05-N2	59-05-N3	59-05-N4
Road 1D			177253020	177255045	177253026	177254020
	Bank to Bank Wide (m)	109.00	170.00	80.00	115.00	35.00
Water Way	Dry Season Water Depth (m)	0.90	1.20	0.45	0.30	0.15
_ >-	Normal Flood Water depth (m)	2.60	3.24	4.00	1.52	1.74
Proposed Bridge	Length (m)	100.00	30.00	85.00	60.00	30.00
Span Arrangeme	<u>nt</u>	5x20m	1x30m	4x15m+1x25m	3x20m	1x30m
Cost (Abutment i	ncluding Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0
Cost (Pier includi	ng Foundation)	3716300		3716300	1858150	
Cost (Super Struk	cture)	29300000	8790000	24905000	17580000	8790000
Cost (Super Strue	cture Erection)	630000	189000	535500	378000	189000
Total Cost	· · ·	36276720	11609420	31787220	22446570	11609420

District : Thaku	rgaon									<u> </u>
Name of Thana				Sadar			Pirganj		Ranishankail	· · ·
Serial Number		3	4	5	6	7	9	12	13	17
Bridge ID		60-01-03	60-01-N1	60-01-N2	60-01-N3	60-01-N4	60-03-01	60-04-02	60-04-03	60-04-N1
Road ID	······································	194945062	194945017	194945078	194943017	194945210	194823046	194863023	194863008	194862007
	Bank to Bank Wide (m)	200.00	270.00	70.00	30.00	20.00	234.00	150.00	35.00	20.00
Vater Way	Dry Season Water Depth (m)	0.50	0.55	0.70	0.00	0.00	1.50	0.35	2.00	. 0.53
3>	Normal Flood Water depth (m)	4.50	4.00	5.00	3.50	3.50	5.10	1.53	3.30	2.20
Proposed Bridg	e Length (m)	50.00	100.00	65.00	25.00	15.00	200.00	100.00	30.00	20.00
Span Arrangem	ent	2x15+1x20	5x20m	2x20m+1x25m	1x25m	1x15m	8x25m	5x20m	1x30m	1x20m
	including Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0
`	ding Foundation)	1858150	3716300	1858150			6503525	3716300		
Cost (Super Str		14650000	29300000	19045000	7325000	4395000	58600000	29300000	8790000	5860000
Cost (Super Str		315000	630000	409500	157500	94500	1260000	630000	189000	126000
Total Cost		19453570	36276720	23943070	10112920	7119920	68993945	36276720	11609420	8616420

District : Thakur	gaon									
Name of Thana		Ranishankail	Baliadangi							
Serial Number		18	19	20	21	22	23			
Bridge ID		60-04-N2	60-05-N1	60-05-N2	60-05-N3	60-05-N4	60-05-N5			
Road ID		194864018	194084005	194084001	194085057	194084019	194084020			
Water Way	Bank to Bank Wide (m)	36.00	61.5	40	30	120	90			
	Dry Season Water Depth (m)	0.07	0.3	0.6	0.5	1.00	1			
	Normal Flood Water depth (m)	0.87	1.93	3.00	3.20	3.00	3.5			
Proposed Bridge Length (m)		20.00	60	40	30	100	75			
Span Arrangeme	nt	1x20m	3x20m	2x10m+1x20m	1x30m	5x20m	3x25m			
Cost (Abutment i	ncluding Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0			
Cost (Pier including Foundation)			1858150	1858150.0		3716300	1858150			
Cost (Super Structure)		5860000	17580000	11720000.0	8790000	29300000	21975000			
Cost (Super Structure Erection)		126000	378000	252000.0	189000	630000	472500			
Total Cost		8616420	22446570	16460570	11609420	36276720	26936070			

Master Plan Study for Portable Steel Bridge Construction on Feeder and Rural Roads in Bangladesh

0-72

District : Latmor	nirhat									
Name of Thana Serial Number		Patgram								
		3	4	5	6	7	8	11		
Bridge ID		61-02-01	61-02-02	61-02-03	61-02-N1	61-02-N2	61-02-N3	61-03-N1		
Road ID		152705059	152703059	152704062	152704065	152703007	152703044	152333016		
Water Way	Bank to Bank Wide (m)	103.00	126.00	70.00	75.00	80.00	40.00	27.50		
	Dry Season Water Depth (m)	0.77	1.50	0.50	0.48	0.90	0.40	2.00		
	Normal Flood Water depth (m)	3.60	2.80	2.80	2.41	2.87	3.60	3.50		
Proposed Bridge	Length (m)	115.00	180.00	80.00	35.00	85.00	40.00	30.00		
Span Arrangeme	sut	2x20m+3x25m	4x25m+4x20m	4x15m+1x20m	2x10m+1x15m	4x15m+1x25m	2x10m+1x20m	1x30m		
Cost (Abutment i	including Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0		
Cost (Pier including Foundation)		3716300	6503525	3716300.0	1858150	3716300	1858150.0			
Cost (Super Structure)		33695000	52740000	23440000.0	10255000	24905000	11720000.0	8790000		
Cost (Super Structure Erection)		724500	1134000	504000.0	220500	535500	252000.0	189000		
Total Cost		40766220	63007945	30290720	14964070	31787220	16460570	11609420		

Disrtict: Nilphar	mari									-	
Name of Thana		Sadar									
Serial Number		1	2	4	6	7	8	9	10	13	
Bridge ID		62-01-01	62-01-02	62-01-04	62-01-06	62-01-07	62-01-08	62-01-09	62-01-10	62-02-03	
Road ID		173643058	173643039	173644038	173643013	173643023	173643026	173642009	173643048	173363007	
Water Way	Bank to Bank Wide (m)	25.00	60.00	18.00	125.00	26.00	95.00	45.00	30.00	90.00	
	Dry Season Water Depth (m)	0.50	1.50	0.50	0.00	0.60	1.00	0.50	1.00	0.30	
	Normal Flood Water depth (m)	3.00	4.50	3.00	2.50	2.90	4.20	4.50	3.80	3.35	
Proposed Bridge	s Length (m)	15.00	50.00	15.00	115.00	20.00	80.00	40.00	20.00	100.00	
Span Arrangeme	ent	1x15m	2x15+1x20	1x15m	2x20m+3x25m	1x20m	4x15m+1x20m	2x10m+1x20m	1x20m	5x20m	
Cost (Abutment i	including Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	
Cost (Pier including Foundation)		1	1858150		3716300		3716300.0	1858150.0		3716300	
Cost (Super Stru	ucture)	4395000	14650000	4395000	33695000	5860000	23440000.0	11720000.0	5860000	29300000	
Cost (Super Structure Erection)		94500	315000	94500	724500	126000	504000.0	252000.0	126000	630000	
Total Cost	· · · · · · · · · · · · · · · · · · ·	7119920	19453570	7119920	40766220	8616420	30290720	16460570	8616420	36276720	

.

.

.

.

Disrtict: Nilphar	nari					
Name of Thana Serial Number Bridge ID		Do	mar	Dir	Kishoreganj	
		17	18 62-03-N2	19	20	21
		62-03-N1		62-04-01	62-04-02	62-05-01
Road ID		173153029	173152012	173125015	173123020	173453031
Water Way	Bank to Bank Wide (m)	35.00	60.00	75.00	130.00	36.00
	Dry Season Water Depth (m)	0.00	0.60	0.00	1.50	1.19
	Normal Flood Water depth (m)	1.72	2.60	2.14	3.50	2.54
Proposed Bridge Length (m)		30.00	60.00	15.00	90.00	35.00
Span Arrangeme	ant	1x30m	3x20m	1x15m	3x20+2x15	2x10m+1x15m
Cost (Abutment i	including Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0
Cost (Pier including Foundation)			1858150		3716300	1858150
Cost (Super Structure)		8790000	17580000	4395000	26370000	10255000
Cost (Super Structure Erection)		189000	378000	94500	567000	220500
Total Cost		11609420	22446570	7119920	33283720	14964070

District : Joypur	hat		·····								
Name of Thana		Sadar	Panchbibi					Akkalpur		Khatlal	
Serial Number		4	9	11	12	13	14	16	17	18	19
Bridge ID		63-01-04	63-03-02	63-03-04	63-03-05	63-03-N1	63-03-N2	63-04-N1	63-04-N2	63-05-N1	63-05-N2
Road ID		138474018	138743031	138743014	138743023	138743015	138743019	138133001	138133001	138612006	138613023
Vater Way	Bank to Bank Wide (m)	50.00	60.00	40.00	110.00	60.00	80.00	50.00	30.00	40.00	100.00
	Dry Season Water Depth (m)	1.20	0.00	0.30	0.45	0.00	0.90	1.00	0.00	0.00	1.00
A -	Normal Flood Water depth (m)	5.15	3.54	3.18	3.62	3.18	3.10	5.17	6.40	5,00	5.00
Proposed Bridge	Length (m)	40.00	60.00	40.00	100.00	60.00	80.00	70.00	30.00	40.00	80.00
Span Arrangeme	nt	2x10m+1x20m	3x20m	2x10m+1x20m	5x20m	3x20m	4x15m+1x20m	2x25m+1x20m	1x30m	2x10m+1x20m	4x15m+1x20m
Cost (Abutment in	ncluding Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0
Cost (Pier includi	ing Foundation)	1858150.0	1858150	1858150.0	3716300	1858150	3716300.0	1858150		1858150.0	3716300.0
Cost (Super Strut	cture)	11720000.0	17580000	11720000.0	29300000	17580000	23440000.0	20510000	8790000	11720000.0	23440000.0
Cost (Super Structure Erection)		252000.0	378000	252000.0	630000	378000	504000.0	441000	189000	252000.0	504000.0
Total Cost		16460570	22446570	16460570	36276720	22446570	30290720	25439570	11609420	16460570	30290720

Final Report October, 2002

Master Plan Study for Portable Steel Bridge Construction on Feeder and Rural Roads in Bangladesh

0-74

,

, 1

District : Kurigra	im					
Name of Thana		Roumari		Rajarhat		
Serial Number		2	5	5 6 7		6
Bridge ID	ridge ID		64-04-01	64-04-02	64-04-03	64-05-01
Road ID		109073004	109044015	109044014	109043016	149773011
Water Way	Bank to Bank Wide (m)	190.00	54.00	56.00	30.00	20.00
	Dry Season Water Depth (m)	1.50	0.00	0.00	2.19	1.00
	Normal Flood Water depth (m)	5.33	3.27	2.74	3.28	3.00
Proposed Bridge	Length (m)	40.00	55.00	55.00	30.00	25.00
Span Arrangement		2x10m+1x20m	2x15m+1x25m	2x15m+1x25m	1x30m	1x25m
Cost (Abutment i	ncluding Foundation)	2630420.0	2630420.0	2630420.0	2630420.0	2630420.0
Cost (Pier includi	ng Foundation)	1858150.0	1858150.0	1858150.0		
Cost (Super Strue	cture)	11720000.0	16115000.0	16115000.0	8790000	7325000
Cost (Super Stru	cture Erection)	252000.0	346500.0	346500.0	189000	157500
Total Cost		16460570	20950070	20950070	11609420	10112920

Master Plan Study for Portable Steel Bridge Construction on Feeder and Rural Roads in Bangladesh

D-75