

APPENDIX 5

SITE DATA OF REQUESTED BRIDGES AND SELECTION OF BRIDGES FOR 2ND SITE SURVEY

SITE DATA OF REQUESTED BRIDGES AND SELECTION OF BRIDGES FOR 2ND SURVEY (1/13)

No.	1	2	3	4	5	6	7	8	9	10
Bridge No.	01-01-01	01-01-02	01-01-03	01-02-01	01-04-01	01-05-01	02-01-01	02-01-02	02-02-01	02-02-02
District	Dhaka	Dhaka	Dhaka	Dhaka	Dhaka	Dhaka	Gazipur	Gazipur	Gazipur	Gazipur
Thana	Savar	Savar	Savar	Dhamrai	Nawabgonj	Dohar	Kapasia	Kapasia	Kaligonj	Kaligonj
Existence of Bridge	Exist	None	None	None	None	None			Exist	None
Bridge Type	RC Br.	-	-	-	-	-	Withdraw	Withdraw	Bamboo	-
Length (m)	40.0	-	-	-	-	-			20.0	-
Width (m)	2.1	-	-	-	-	-			-	-
Bridge Condition	Damaged	-	-	-	-	-			Danger	-
No. of Beneficiary (Person)	100,000	23,000	100,000	25,000	45,000	25,000			20,000	100,000
Land-use	Residence/Rice field	Farm	Residence/Farm	Farm/Bazar	Residence/Rice field	Residence/Rice field			Rice field/Farm	Rice field/Farm
Main Product	Rice	Vegetable	Vegetable	Vegetable	Rice	Rice/Jute			Rice/Jute	Rice/Jute
Industry	Agriculture	Agriculture	Agriculture	Agriculture	Agriculture	Agriculture/Commercial			Agriculture	Agriculture/Fishery
Public Facilities	School/Mosque/Bazar/Gov't office	School/Bazar/Mosque	School/Mosque/Clinic	School/Bazar	School/Bazar/Gov't office	School/Bazar/Gov't office			School/Bazar	School/Bazar
Road Class	R-1	R-1	R-1	R-1	R-1	R-3			R-1	R-1
Road Width (m)	3.9	3.0	3.6	3.0	3.0	3.0			3.5	1.5
Pavement Type	Brick	Earth	Earth	Earth	Earth	Earth			Earth	Earth
Road Condition	Poor	Poor	Poor	Poor	Fair	Fair			Poor	Bad
Detour Road (Additional Distance)	None	None	13km (7km)	11km (10km)	6km (4km)	Neighbor			None	None
Construction of new Approach	Necessary	Necessary	Necessary	Necessary	Not Necessary	Not Necessary			Not Necessary	Not Necessary
Vehicle (No.)	0	0	0	0	0	0			0	0
Richshaw (No.)	200	0	0	0	0	0			0	0
Pedestrian (Person)	10,000	0	0	0	0	0			700	0
Boat (Person)	0	5,000	3,000	7,000	5,000	500			0	5,000
Topography	Flat/Swamp	Flat/Swamp	Flat	Flat/Swamp	Flat	Flat			Flat	Flat
Geology	Clay	Silt	Clay	Clay	Clay	Clay/Silt			Silt	Silt
Depth (m)	(WL) 3.5 HWL 6.7	(6.5) 5.0 7.5	(3.7) 2.5 4.7	(5.3) 3.5 6.7	(3.6) 1.0 5.2	(6.6) 5.5 8.6			(3.4) 1.0 4.6	(5.2) 2.0 6.0
Width (m)	(WL) 34.0 HWL 39.0	(100.0) 93.0 110.0	(113.0) 98.0 140.0	(120.0) 100.0 125.0	(65.0) 40.0 80.0	(75.0) 70.0 82.0			(21.0) 10.0 21.0	(94.0) 30.0 94.0
Velocity (m/s)	0.5	0.5	0.5	0.6	None	0.5			0.1	0.1
River Dike	None	None	None	None	None	None			None	None
River Alignment	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed			Fixed	Fixed
Fairway	Exist	Exist	Exist	Exist	Exist	Exist			Exist	Exist
Condition of Transportation	Possible	Possible	Possible	Possible	Possible	Possible			Possible	Possible
Land Acquisition	None	None	None	Necessary(Houses)	None	None			None	None
Removal of Obstruction	None	None	None	Good	None	None			None	None
Peace & Order	Good	Good	Good	Good	Good	Good			Good	Good
Suggestive New Bridge	Length (m) 50.0 Height (m) 9.8	Length (m) 100.0 Height (m) 9.6	Length (m) 120.0 Height (m) 6.8	Length (m) 120.0 Height (m) 8.4	Length (m) 75.0 Height (m) 7.8	Length (m) 75.0 Height (m) 10.1			Length (m) 20.0 Height (m) 6.7	Length (m) 100.0 Height (m) 8.0
Socio-economic Effect	Yes	Yes	Yes	Yes	Yes	None			None	None (Yes)
Necessity of new Bridge	Yes	Yes	Yes	Yes	Yes	Yes			Yes	Yes
Adequacy as Grant Project	Yes	Yes	Yes	Yes	Yes	None			None	None (Yes)
Selection	③ OK	① OK	① OK	① OK	① OK	⑦ None	⑨ None	⑨ None	⑦ None	⑩ None(①OK)
Remarks			Loss by detour route is long	Loss by detour route is long	Loss by detour route is long	Possibility as By-Pass of RHD Rd.			Public facilities are located on both side	Need new access Rd Narrow access Rd less than 2.3m

SITE DATA OF REQUESTED BRIDGES AND SELECTION OF BRIDGES FOR 2ND SURVEY (2/13)

No.	11	12	13	14	15	16	17	18	19	20
Bridge No.	03-01-01	03-02-01	03-03-01	03-03-02	03-04-01	03-05-01	03-06-01	04-01-01	04-02-01	04-03-01
District	Munshigonj	Munshigonj	Munshigonj	Munshigonj	Munshigonj	Munshigonj	Munshigonj	Habigonj	Habigonj	Habigonj
Thana	Sadar	Shiragdhikhan	Gazaria	Gazaria	Tongbari	Lohajang	Sreenagar	Baniyachang	Madhabpur	Chunarughat
Existence of Bridge	Exist	-	-	Exist	-	Exist	-	-	-	-
Bridge Type	Bamboo	-	-	Bamboo	-	Wooden	-	-	-	-
Length (m)	33.0	-	-	55.0	-	49.0	-	-	-	-
Width (m)	2.0	-	-	2.5	-	2.0	-	-	-	-
Bridge Condition	Danger	-	-	Danger	-	Danger	-	-	-	-
No. of Beneficiary (Person)	100,000	44,000	25,000	25,000	30,000	200,000	50,000	50,000	50,000	20,000
Land-use	Farm	Residence/Rice field	Residence/Rice field	Residence/Rice field	Residence	Residence	Rice Field	Rice Field/Farm	Rice Field/Farm	Rice Field
Main Product	Potato	Rice	Rice/Vegetable	Rice/Vegetable	Rice	Rice	Rice	Rice/Vegetable	Rice/Vegetable	Rice/Timber
Industry	Agriculture	Agriculture	Agriculture	Agriculture	Agriculture	Agriculture	Agriculture	Agriculture/Fishery	Agriculture/Fishery	Agriculture/Forestry
Public Facilities	School/Bazar/ Gov't office	School/Bazar/ Mosque/Clinic	School/Clinic/ Gov't office	School/Bazar	School/Mosque/ Bazar	School/Shelter/ Bazar/Gov't office	School/Bazar/ Gov't office	School/Bazar/ Gov't office	School/ Gov't office	School/Bazar/ Gov't office
Road Class	R-1	R-1	R-1	R-1	R-1	FRB	R-1	FRB	R-1	R-1
Road Width (m)	3.5	2.4	3.0	3.0	2.8	2.4	2.4	4.5	3.5	4.5
Pavement Type	Earth	Earth	Earth	Earth	Earth	Earth	Earth	Earth	Earth	Earth
Road Condition	Fair	Bad	Good	Fair	Bad	Fair	Bad	Bad	Bad	Fair
Detour Road (Additional Distance)	None	None	None	Neighbor	Neighbor	6.5km (6km)	None	None	None	None
Construction of new Approach	Not Necessary	Not Necessary	Not Necessary	Not Necessary	Not Necessary	Necessary	Not Necessary	Not Necessary	Not Necessary	Not Necessary
Vehicle (No.)	0	0	0	0	0	0	0	0	0	0
Richshaw (No.)	150	0	0	0	0	0	0	0	0	0
Pedestrian (Person)	10,000	0	0	1,000	0	2,000	0	0	0	500(Ford)
Boat (Person)	0	1,000	1,500	0	0	0	1,000	300	1,000	100
Topography	Flat	Flat	Flat	Flat	Flat	Flat	Swamp	Swamp	Swamp	Rolling
Geology	Silt	Clay	Clay	Clay	Clay	Silt	Silt	Silt	Silt	Silt
Depth (m)	(3.5) 1.5	(5.3) 1.0	(4.5) 2.0	(4.0) 1.5	(1.6) 0.5	(3.9) 1.0	(4.0) 0.0	(5.0) 0.6	(1.6) 1.0	(0.9) 0.5
Width (m)	5.2	5.9	6.5	5.0	1.9	5.4	5.0	5.7	2.9	3.9
Velocity (m/s)	(33.0) 30.0	(80.0) 15.0	(52.0) 17.0	(80.0) 30.0	(20.0) 15.0	(43.0) 30.0	(30.0) 0.0	(160.0) 30.0	(99.0) 60.0	(16.0) 5.0
River Dike	None	None	None	None	None	None	None	None	None	None
River Alignment	Exist	None	None	None	None	Exist	None	None	None	Exist
Fairway	Fixed	Fixed	Fixed	Sifting	Fixed	Sifting	Sifting	Fixed	Fixed	Fixed
Condition of Transportation	Exist	Exist	Exist	Exist	Exist	Exist	Exist	Exist	Exist	Exist
Land Acquisition	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible
Removal of Obstruction	None	None	None	None	None	None	None	None	None	None
Peace & Order	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
Suggestive New Bridge	Length (m)	80.0	60.0	80.0	20.0	50.0	30.0	100.0	75.0	30.0
Suggestive New Bridge	Height (m)	7.3	8.1	7.1	4.0	7.5	6.6	7.2	5.4	5.0
Socio-economic Effect		Yes	Yes	Yes	None	Yes	Yes	None	Yes	None
Necessity of new Bridge		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Adequacy as Grant Project		Yes	Yes	Yes	None	Yes	Yes	None	Yes	Yes
Selection		① OK	② OK	② OK	⑦ None	① OK	② OK	⑦ None	② OK	⑦ None
Remarks		Local Consultant	Local Consultant	Exist detour route but many user	Exist detour route & No user	Loss by detour route is long	Access road is submerged in rainy season			

SITE DATA OF REQUESTED BRIDGES AND SELECTION OF BRIDGES FOR 2ND SURVEY (3/13)

No.	21	22	23	24	25	26	27	28	29	30
Bridge No.	04-04-01	04-04-02	04-05-01	04-06-01	05-01-01	05-01-02	05-02-01	05-03-01	05-03-02	05-04-01
District	Habigonj	Habigonj	Habigonj	Habigonj	Moulvibazar	Moulvibazar	Moulvibazar	Moulvibazar	Moulvibazar	Moulvibazar
Thana	Nabigonj	Nabigonj	Lakhai	Bahubal	Komolgonj	Komolgonj	Kulaura	Sreemangol	Sreemangol	Barlekha
Existence of Bridge	Exist	None	None	Exist	Exist	None	None	None	None	Exist
Bridge Type	Bamboo	-	-	RC Br.	Bamboo	-	-	-	-	Bamboo
Length (m)	72.6	-	-	39.0	50.0	-	-	-	-	44.0
Width (m)	-	-	-	1.7	-	-	-	-	-	-
Bridge Condition	Danger	-	-	Fair	Danger	-	-	-	-	Danger
No. of Beneficiary (Person)	50,000	60,000	35,000	80,000	13,000	20,000	50,000	10,000	25,000	60,000
Land-use	Residence/Farm	Farm	Farm	Residence/Farm	Residence/Farm	Farm/Forest	Residence/Farm	Farm	Rice field/Farm	Farm/Forest
Main Product	Rice/Banana	Rice/Vegetable/Jute	Rice/Prawn	Rice/Vegetable	Rice/Vegetable	Rice/Tea	Rice/Potato	Rice/Vegetable	Rice/Vegetable	Rice/Banana
Industry	Agriculture/Fishery	Agriculture	Agriculture/Fishery	Agriculture/Fishery	Agriculture/Forestry	Agriculture/Forestry	Agriculture/Fishery	Agriculture	Agriculture	Agriculture/Fishery
Public Facilities	School/Hospital/Bazar	School/Mosque	School/Bazar	School/Gov't office	School/Hospital/Bazar/Gov't office	Mosque/Hospital/Bazar	Hospital/Bazar	School/Gov't office	School/Gov't office	School/Gov't office
Road Class	R-1	R-1	R-1	FRB	R-1	R-1	R-1	R-2	R-2	FRB
Road Width (m)	4.0	4.0	4.0	4.5	4.5	4.0	4.0	3.6	3.0	5.0
Pavement Type	Earth	Earth	Earth	Earth	Earth	Earth	Earth	Earth	Earth	AC/Earth
Road Condition	Poor	Poor	Poor	Poor	Poor	Poor	Poor	Poor	Poor	Fair
Detour Road (Additional Distance)	None	None	None	None	None	None	None	6km (2.5km)	None	None
Construction of new Approach	Not Necessary	Not Necessary	Not Necessary	Not Necessary	Necessary	Not Necessary	Not Necessary	Not Necessary	Necessary	Not Necessary
Vehicle (No.)	0	0	0	100	0	0	0	0	0	0
Richshaw (No.)	0	0	0	150	0	0	0	0	0	0
Pedestrian (Person)	3,000	0	0	2,000	3,000	0	0	0	0	3,500
Boat (Person)	0	3,000	2,000	0	0	1,000	2,000	200	1,500	0
Topography	Flat/Swamp	Rolling/Flat	Flat/Swamp	Flat	Rolling	Rolling	Flat	Flat	Flat	Flat
Geology	Clay	Clay	Silt	Clay	Sandy	Clay	Clay	Silt	Sandy	Sandy
Depth (m)	(WL) LWL HWL	(4.9) 3.0	(7.5) 1.0	(3.5) 0.0	(2.0) 1.0	(3.0) 0.6	(6.0) 4.0	(0.8) 0.3	(0.6) 0.5	(4.1) 0.0
Width (m)	(WL) LWL HWL	(90.0) 45.0	(45.0) 15.0	4.5	5.2	4.8	7.5	1.7	1.7	5.1
Velocity (m/s)	72.0	95.0	50.0	40.0	92.0	55.0	74.0	(52.0) 5.0	(19.0) 15.0	(41.0) 0.0
River Dike	None	Exist	Exist	None	Exist	Exist	None	0.3	0.5	0.8
River Alignment	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
Fairway	Exist	Exist	Exist	Exist	Exist	Exist	Exist	None	Exist	Exist
Condition of Transportation	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible
Land Acquisition	None	None	None	None	None	None	None	None	None	None
Removal of Obstruction	Necessary(Houses)	Necessary(Houses)	Necessary(Houses)	None	Necessary(Houses)	None	Necessary(Elc.Pole)	None	None	Necessary(Houses)
Peace & Order	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
Suggestive New	Length (m)	90.0	60.0	40.0	75.0	60.0	75.0	65.0	40.0	45.0
Bridge	Height (m)	7.7	10.5	6.0	5.3	6.3	9.0	2.8	3.2	6.6
Eval	Socio-economic Effect	Yes	Yes	Yes	Yes	Yes	Yes	None	Yes	Yes
Ratio	Necessity of new Bridge	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
n	Adequacy as Grant Project	Yes	Yes	Yes	Yes	Yes	Yes	None	Yes	Yes
Selection		① OK	① OK	③ OK	① OK	② OK	① OK	⑦ None	② OK	② OK
Remarks				Ext Br is OK but narrow. Need the additional Br Local Consultant				User is less but loss by detour route is long		

SITE DATA OF REQUESTED BRIDGES AND SELECTION OF BRIDGES FOR 2ND SURVEY (4/13)

No.	31	32	33	34	35	36	37	38	39	40
Bridge No.	05-04-02	05-05-01	05-05-02	06-01-01	06-01-02	06-01-03	06-02-01	06-03-01	06-03-02	06-04-01
District	Moulvibazar	Moulvibazar	Moulvibazar	Chandpur	Chandpur	Chandpur	Chandpur	Chandpur	Chandpur	Chandpur
Thana	Barlekha	Rajnagar	Rajnagar	Sadar	Sadar	Sadar	Fariadgonj	Kachua	Kachua	Matlab
Existence of Bridge	Exist	Exist	Exist	Withdraw	Exist	Withdraw	Exist	Withdraw	Exist	Exist
Bridge Type	RC Br.	RC Br.	RC Br.	RC Br.	Bamboo	Withdraw	Bamboo	Bamboo	Bamboo	Wooden
Length (m)	21.0	25.6	12.0	Withdraw	20.0	Withdraw	20.0	Withdraw	19.5	25.0
Width (m)	3.5	3.7	2.4	RC bridge was constructed at the proposed site	1.5	New bridge was constructed at the proposed site	1.5	Construction of new bridge(RC) is on going at proposed site	-	1.0
Bridge Condition	Collapsed	Damaged	Minor Damage		Danger		Damaged		Danger	Collapsed
No. of Beneficiary (Person)	25,000	50,000	45,000		40,000		40,000		30,000	10,000
Land-use	Rice Field	Residence/Rice Field	Rice Field/Farm		Rice Field		Rice Field		Residence/Rice Field	Residence/Rice Field
Main Product	Rice/Fish	Rice/Banana	Rice/Potato		Rice		Rice		Rice	Rice
Industry	Agriculture/Fishery	Agriculture/Fishery	Agriculture/Fishery		Agriculture		Agriculture		Agriculture	Agriculture
Public Facilities	School	School/Bazar	School/Bazar/Hospital		School/Bazar		School/Bazar		School/Bazar/Clinic	School/Bazar/Hospital
Road Class	R-1	R-1	R-1		R-2		R-1		R-1	R-1
Road Width (m)	2.0	4.5	3.5		3.1		3.3		3.0	1.9
Pavement Type	Earth	Earth	Earth		Earth		Earth		Earth	Earth
Road Condition	Bad	Fair	Poor		Poor		Bad		Fair	Poor
Detour Road (Additional Distance)	None	None	6km (0.5km)		2km (1km)		4km (2km)		3km (1.5km)	None
Construction of new Approach	Not Necessary	Not Necessary	Not Necessary		Not Necessary		Not Necessary		Not Necessary	Not Necessary
Vehicle (No.)	0	350	10		0		0		0	0
Richshaw (No.)	0	500	10		60		0		0	0
Pedestrian (Person)	500	5,000	1,500		3,000		1,200		4,000	0
Boat (Person)	150	0	0		0		0		0	5,000
Topography	Flat/Swamp	Rolling	Flat		Swamp		Swamp		Flat	Swamp
Geology	Sandy	Clay	Silt		Silt		Silt		Clay	Silt
Depth (m)	LWL	(5.1) 2.0	(3.4) 1.4		(4.7) 3.0		(0.7) 0.0		(3.0) 1.0	(6.0) 4.0
	HWL	7.2	4.0	4.9	5.5		1.3		5.3	6.8
Width (m)	LWL	(24.0) 10.0	(21.0) 13.0		(26.0) 22.0		(65.0) 0.0		(17.0) 15.0	(40.0) 30.0
	HWL	27.0	25.0	12.0	31.0		80.0		18.0	50.0
Velocity (m/s)	0.1	0.05	0.05		0.1		None		None	0.1
River Dike	None	None	None		None		None		None	None
River Alignment	Fixed	Fixed	Fixed		Fixed		Fixed		Fixed	Fixed
Fairway	Exist	Exist	Exist		Exist		None		Exist	Exist
Condition of Transportation	Possible	Possible	Possible		Possible		Possible		Possible	Possible
Land Acquisition	None	None	None		None		None		None	None
Removal of Obstruction	None	Necessary(Ele.Pole)	None		None		None		None	Necessary(Houses)
Peace & Order	Good	Good	Good		Good		Good		Good	Good
Suggestive New Bridge	Length (m)	25.0	25.0		25.0		60.0		20.0	40.0
	Height (m)	9.2	5.5	6.4		7.6		2.9	5.6	8.4
Eval uatio n	Socio-economic Effect	None	Yes	Yes	Yes		Yes		Yes	None(Yes)
	Necessity of new Bridge	Yes	Yes	None	Yes		Yes		Yes	Yes
Adequacy as Grant Project Selection		None	None	None	Yes		Yes		Yes	None(Yes)
		(7) None	(3) OK	(8) None	(9) None	(9) None	(2) OK	(9) None	(1) OK	(10)None(10)OK
Remarks	Access road is submerged in rainy season		Ext Br is OK & loss by detour route is less		Exist detour route but many user		Need the study for Br length		Local Consultant	Narrow Access Rd less than 2.3m

SITE DATA OF REQUESTED BRIDGES AND SELECTION OF BRIDGES FOR 2ND SURVEY (5/13)

No.	41	42	43	44	45	46	47	48	49	50
Bridge No.	06-04-02	06-05-01	06-05-02	06-06-01	06-06-02	07-01-01	07-03-01	07-03-02	07-03-03	07-04-01
District	Chandpur	Chandpur	Chandpur	Chandpur	Chandpur	B. Baria	B. Baria	B. Baria	B. Baria	B. Baria
Thana	Matlab	Haimchar	Haimchar	Shahrastra	Shahrastra	Akhaura	Nabinagar	Nabinagar	Nabinagar	Sarail
Existence of Bridge	Withdraw	Withdraw	Withdraw	Exist	None	Exist	Exist	Exist	Exist	None
Bridge Type				Wooden	-	RC Br.	Steel Br.	Steel Br.	Steel Br.	-
Length (m)				15.0	-	24.0	23.6	34.5	Withdraw	-
Width (m)				2.0	-	2.4	1.5	1.4	Construction of new bridge is on going at the proposed site	-
Bridge Condition				Danger	-	Damaged	Weak	Weak		-
No. of Beneficiary (Person)				5,000	10,000	45,000	60,000	65,000		60,000
Land-use				Rice Field	Farm	Rice Field/Farm	Rice Field/Farm	Residence/Rice Field		Rice Field/Farm
Main Product				Rice	Vegetable/Jute	Rice/Jute/Banana	Rice/Jute/Banana	Rice/Jute		Rice/Jute
Industry				Agriculture	Agriculture/Clinic/Bazar/Gov't office	Agriculture/Commercial	Agriculture/Commercial	Agriculture/Commercial		Agriculture/Fishery
Public Facilities				School/Bazar/Mosque	School/Clinic/Bazar/Gov't office	School/Bazar/Gov't office	School/Bazar/Gov't office	School/Bazar/Mosque		School/Bazar/Gov't office
Road Class				R-1	R-1	R-1	R-1	R-1		R-1
Road Width (m)				3.0	4.4	3.0	3.5	4.0		3.5
Pavement Type				Earth	Brick/Earth	AC	Brick/Earth	Earth		Earth
Road Condition				Submerged	Fair	Good	Fair	Poor		Bad
Detour Road (Additional Distance)				6km (3.5km)	None	None	None	None		None
Construction of new Approach				Not Necessary	Necessary	Not Necessary	Not Necessary	Not Necessary		Not Necessary
Vehicle (No.)				0	0	25	50	35		0
Richshaw (No.)				0	0	250	100	150		0
Pedestrian (Person)				2,000(Dry season)	0	2,000	3,000	3,500		0
Boat (Person)				0	1,000	0	0	0		1,000
Topography				Swamp	Swamp	Flat/Swamp	Flat	Flat		Swamp
Geology				Silt	Silt	Silt	Clay	Clay		Silt
Depth (m)				(3.4) 1.0	(5.2) 3.5	(2.7) 2.0	(3.3) 0.0	(3.8) 0.6		(3.3) 0.5
Width (m)				4.4	5.5	3.8	4.9	5.0		4.3
Velocity (m/s)				(15.0) 12.0	(132.0) 100.0	(22.0) 12.0	(17.6) 0.0	(34.5) 5.0		(40.5) 15.0
River Dike				0.1	140.0	24.0	23.6	38.0		43.0
River Alignment				None	0.1	None	0.2	0.1		0.1
Fairway				Fixed	Fixed	Fixed	Fixed	Fixed		None
Condition of Transportation				None	Exist	Exist	Exist	Exist		Fixed
Land Acquisition				Possible	Possible	Possible	Possible	Possible		Exist
Removal of Obstruction				None	None	None	None	None		Possible
Peace & Order				None	Necessary(Houses)	None	None	None		None
Suggestive New Bridge				Good	Good	Good	Good	Good		Good
Length (m)				15.0	130.0	25.0	25.0	35.0		45.0
Height (m)				6.0	8.1	5.3	6.4	7.0		5.8
Socio-economic Effect				Yes	Yes	Yes	Yes	Yes		Yes
Necessity of new Bridge				Yes	Yes	Yes	Yes	Yes		Yes
Adequacy as Grant Project				Yes	Yes	Yes	Yes	Yes		Yes
Selection				④ OK	② OK	③ OK	③ OK	③ OK		② OK
Remarks				Access road is submerged in rainy season	Need study for Br alignment	Ext Br is OK but narrow & Low Many User	Need new Br duc to narrow Br	Need new Br duc to narrow Br		④ None
										Local Consultant

SITE DATA OF REQUESTED BRIDGES AND SELECTION OF BRIDGES FOR 2ND SURVEY (6/13)

No.	51	52	53	54	55	56	57	58	59	60
Bridge No.	07-04-02	07-05-01	07-05-02	07-05-03	07-06-01	07-06-02	07-06-03	07-06-04	07-07-01	07-07-02
District	B. Baria	B. Baria	B. Baria	B. Baria	B. Baria	B. Baria	B. Baria	B. Baria	B. Baria	B. Baria
Thana	Sarail	Bancharampur	Bancharampur	Bancharampur	Nasimagar	Nasimagar	Nasimagar	Nasimagar	Sadar	Sadar
Existence of Bridge	None	Exist	None	Exist	None	None	None	None	Exist	Exist
Bridge Type	-	Bamboo	-	Bamboo	-	-	-	-	RC Br.	RC+Bamboo
Length (m)	-	28.0	-	45.0	-	-	-	-	11.7	11.5+13.5
Width (m)	-	-	-	-	-	-	-	-	6.3	3.7/1.4
Bridge Condition	-	Danger	-	Danger	-	-	-	-	Damaged(slab)	Washed(Approach)
No. of Beneficiary (Person)	50,000	40,000	55,000	40,000	70,000	20,000	58,000	50,000	60,000	200,000
Land-use	Rice Field/Farm	Rice Field/Farm	Residence/Rice Field	Rice Field/Farm	Rice Field/Farm	Rice Field/Forest	Rice Field/Farm	Rice Field/Farm	Residence/Rice Field	Residence/Rice Field
Main Product	Rice/Jute	Rice/Jute	Rice/Jute	Rice/Jute	Rice/Jute	Rice/Jute/Banana	Rice/Jute	Rice/Sugar Cane	Rice/Jute	Rice/Jute
Industry	Agriculture	Agriculture	Agriculture	Agriculture	Agriculture	Agriculture	Agriculture	Agriculture	Agriculture/Commercial	Agriculture
Public Facilities	School/Bazar/ Gov't office	School/Bazar	School/ Gov't office	School/Mosque/ Bank/Gov't office	School/Mosque/ Bazar	School/Bazar	School/Bazar	School/Bazar/ Gov't office	School/Hospital	School/Bazar
Road Class	R-1	R-1	R-1	R-1	R-1	R-1	R-1	R-1	FRB	FRB
Road Width (m)	3.5	3.5	3.5	3.5	3.0	3.5	3.5	3.0	4.5	3.5
Pavement Type	Earth	Earth	Earth	Earth	Earth	Earth	Earth	Earth	AC	AC/Earth
Road Condition	Bad	Fair	Poor	Poor	Poor	Poor	Poor	Poor	Fair	Poor
Detour Road (Additional Distance)	None	None	None	None	None	None	None	None	None	None
Construction of new Approach	Not Necessary	Not Necessary	Not Necessary	Not Necessary	Not Necessary	Not Necessary	Not Necessary	Not Necessary	Not Necessary	Not Necessary
Vehicle (No.)	0	0	0	0	0	0	0	0	150	20
Richshaw (No.)	0	0	0	0	0	0	0	0	200	30
Pedestrian (Person)	0	3,500	0	2,000	0	0	0	0	6,000	5,000
Boat (Person)	1,200	0	3,000	0	3,000	1,000	3,000	2,000	0	0
Topography	Flat/Swamp	Flat/Swamp	Flat/Swamp	Flat/Swamp	Flat/Swamp	Flat	Flat/Swamp	Flat/Swamp	Flat	Flat
Geology	Clay	Silt	Clay	Clay	Clay	Clay	Clay/Sand	Clay/Sand	Clay	Clay
Depth (m)	(WL) LWL HWL	(3.2) 1.0 4.3	(5.9) 4.6 6.9	(3.3) 0.8 4.3	(4.1) 1.0 5.1	(4.6) 1.6 5.7	(2.0) 0.8 3.1	(1.6) 0.6 2.8	(5.3) 0.0 6.6	(4.9) 0.0 6.4
Width (m)	(WL) LWL HWL	(35.3) 20.0 38.0	(75.0) 60.0 82.0	(35.3) 30.0 48.0	(62.0) 35.0 66.0	(57.0) 45.0 61.0	(23.6) 20.0 28.5	(43.0) 27.0 46.0	(15.5) 0.0 17.5	(21.0) 0.0 25.0
Velocity (m/s)	0.2	0.1	0.2	0.2	0.3	0.1	0.2	0.1	0.4	0.2
River Dike	None	None	None	None	None	None	None	None	None	None
River Alignment	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
Fairway	Exist	Exist	Exist	Exist	Exist	Exist	Exist	Exist	Exist	Exist
Condition of Transportation	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible
Land Acquisition	None	None	None	None	None	None	None	None	None	None
Removal of Obstruction	None	None	None	None	None	None	None	None	Necessary(Ele.Pole)	None
Peace & Order	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
Suggestive New Bridge	Length (m) Height (m)	40.0 5.8	25.0 7.4	40.0 5.8	60.0 6.6	60.0 7.2	25.0 4.6	50.0 4.3	20.0 8.1	25.0 8.3
Eval uatio n	Socio-economic Effect	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Necessity of new Bridge	Yes	Yes	Yes	Yes	Yes	Yes	Yes	None	Yes
	Adequacy as Grant Project	Yes	Yes	Yes	Yes	Yes	Yes	Yes	None	Yes
	Selection	② OK	① OK	① OK	① OK	② OK	① OK	① OK	⑥ None	① OK
Remarks									Ext Br is OK	It seems the road was dug for fairway

SITE DATA OF REQUESTED BRIDGES AND SELECTION OF BRIDGES FOR 2ND SURVEY (7/13)

No.	61	62	63	64	65	66	67	68	69	70
Bridge No.	08-01-02	08-02-01	08-03-01	08-03-02	08-03-03	09-01-01	09-01-02	09-01-03	09-02-01	09-02-02
District	Comilla	Comilla	Comilla	Comilla	Comilla	Noakhali	Noakhali	Noakhali	Noakhali	Noakhali
Thana	Choddogram	Chandina	Daudkhandi	Daudkhandi	Daudkhandi	Sadar	Sadar	Sadar	Chattkhil	Chattkhil
Existence of Bridge	Exist	Exist	None	None	None	Exist	None	Exist	Exist	Exist
Bridge Type	Wooden	RC Br.	-	-	-	Bamboo	-	Bamboo	Bamboo	Bamboo
Length (m)	124.0	27.0	-	-	-	33.0	-	15.0	15.0	15.0
Width (m)	2.0	2.3	-	-	-	-	-	-	-	-
Bridge Condition	Danger	Minor Damage	-	-	-	Danger	-	New construction is planned in the other LGED project (RDP22)	Danger	Danger
No. of Beneficiary (Person)	40,000	42,000	55,000	40,000	50,000	30,000	100,000	17,000	17,000	13,000
Land-use	Residence/Rice Field	Rice Field/Farm	Residence/Rice Field	Rice Field/Farm	Residence/Rice Field	Rice Field	Rice Field	Residence/Rice Field	Rice Field	Residence/Rice Field
Main Product	Rice/Potato	Rice/Potato	Rice/Jute	Rice/Jute	Rice/Jute	Rice	Rice	Rice	Rice	Rice
Industry	Agriculture	Agriculture	Agriculture	Agriculture	Agriculture/Commercial	Agriculture	Agriculture	Agriculture	Agriculture	Agriculture
Public Facilities	School/Mosque	School/Bazar/ Gov't office	School/Bazar/ Gov't office	School/Bazar	School/Bazar	School/Bazar/ Gov't office	School/Bazar	School/Bazar/ Gov't office	School/Bazar/ Gov't office	School/Bazar/ Gov't office
Road Class	R-2	FRB	R-1	R-1	R-1	R-1	R-1	R-1	R-1	R-1
Road Width (m)	3.0	4.0	2.5	4.5	4.0	2.0	2.5	2.4	2.4	3.0
Pavement Type	Earth	Earth	Earth	Earth	Earth	Earth	Earth	Earth	Earth	Earth
Road Condition	Bad	Poor	Bad	Bad	Fair	Bad	Bad	Poor	Poor	Poor
Detour Road (Additional Distance)	None	None	None	None	None	3km (2km)	None	4.5km (3km)	4.5km (3km)	4km (3.5km)
Construction of new Approach	Not Necessary	Not Necessary	Not Necessary	Not Necessary	Not Necessary	Not Necessary	Necessary	Not Necessary	Not Necessary	Not Necessary
Vehicle (No.)	0	500	0	0	0	0	0	0	0	0
Richshaw (No.)	45	150	0	0	0	0	0	0	0	0
Pedestrian (Person)	5,000	5,000	0	0	0	1,000	0	500	500	1,000
Boat (Person)	0	0	200	200	2,000	0	2,000	0	0	0
Topography	Rolling/Flat	Flat	Flat/Swamp	Flat/Swamp	Rolling/Flat	Flat	River Bed	Flat	Flat	Flat
Geology	Silt	Silt	Silt	Silt	Clay	Silt	Silt	Clay	Clay	Clay
Depth (m)	(WL) LWL (2.7) 1.2	(3.9) 1.0	(3.2) 0.0	(4.0) 1.0	(7.5) 5.5	(2.8) 1.0	(2.2) 1.5	(3.0) 1.0	(3.0) 1.0	(3.1) 1.0
Width (m)	4.9	4.9	4.4	4.9	9.8	3.6	4.2	3.3	3.3	3.1
Velocity (m/s)	(117.0) 75.0	(25.0) 15.0	(21.0) 0.0	(29.0) 25.0	(59.0) 50.0	(30.0) 22.0	(70.0) 63.0	(11.0) 7.0	(11.0) 7.0	(12.0) 7.0
River Dike	None	0.6	0.05	None	80.0	40.0	Over 100m	12.0	12.0	20.0
River Alignment	Fixed	None	None	None	0.5	None	Exist	None	None	None
Fairway	Exist	Exist	Exist	Exist	Exist	Fixed	Fixed	Fixed	Fixed	Fixed
Condition of Transportation	Possible	Possible	Possible	Possible	Possible	None	Exist	Exist	Exist	Exist
Land Acquisition	None	None	None	None	None	Possible	Possible	Possible	Possible	Possible
Removal of Obstruction	None	None	None	None	Necessary(Houses)	None	None	None	None	None
Peace & Order	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
Suggestive New Bridge	Length (m)	25.0	20.0	30.0	75.0	45.0	80.0	15.0	15.0	15.0
Height (m)	6.4	6.4	5.9	6.4	11.8	5.2	5.0	4.9	4.9	4.7
Socio-economic Effect	Yes	Yes	None	None	Yes	None(Yes)	Yes	None	None	Yes
Necessity of new Bridge	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Adequacy as Grant Project	Yes	Yes	None	None	Yes	None(Yes)	Yes	None	None	Yes
Selection	③ OK	③ OK	⑦ None	⑦ None	① OK	⑩ None(②OK)	① OK	⑨ None	⑦ None	② OK
Remarks		Ext Br is OK but narrow & Low Many User				Loss by detour route is long Narrow access Rd less than 2.3m	River width is 380m & Br length is only for stream			Loss by detour route is long
										Local Consultant

SITE DATA OF REQUESTED BRIDGES AND SELECTION OF BRIDGES FOR 2ND SURVEY (8/13)

No.	71	72	73	74	75	76	77	78	79	80
Bridge No.	09-02-03	09-02-04	09-03-01	09-03-02	09-04-01	10-01-01	10-01-02	10-01-03	10-02-01	10-02-02
District	Noakhali	Noakhali	Noakhali	Noakhali	Noakhali	Laxmipur	Laxmipur	Laxmipur	Laxmipur	Laxmipur
Thana	Chatkhil	Chatkhil	Companigonj	Companigonj	Begumgonj	Sadar	Sadar	Sadar	Ramgonj	Ramgonj
Existence of Bridge	Withdraw	Withdraw	Exist	None	Exist	Exist	Exist	Exist	Exist	Exist
Bridge Type	Withdraw	Withdraw	RC Br.	-	RC Br.	Wooden	Bamboo	Bamboo	Bamboo	Bamboo
Length (m)			60.1	-	17.2	50.0	45.0	35.0	21.7	
Width (m)			3.2	-	2.8	2.5	-	-	1.4	
Bridge Condition	Proposed site was reclaimed	RC bridge was constructed at the proposed site	Narrow	-	Good	Danger	Danger	Danger	Danger	
No. of Beneficiary (Person)			100,000	500,000	50,000	43,000	26,000	14,000	30,000	
Land-use			Rice Field	Rice Field	Residence/Rice Field	Rice Field	Residence/Farm	Farm	Rice Field	
Main Product			Rice	Rice	Rice	Rice	Fruit	Fruit	Rice	
Industry			Agriculture	Agriculture	Agriculture	Agriculture	Agriculture	Agriculture	Agriculture	
Public Facilities			School/Bazar/Clinic	School/Bazar/Mosque	Station/Bank/Gov't office	School/Bazar/Gov't office	School/Bazar/Shelter	School/Gov't office	School/Bazar/Gov't office	
Road Class	R-1	R-2	R-1	R-2	R-1	R-1	R-1	R-1	R-1	
Road Width (m)	5.0	2.7	3.8	2.7	3.8	4.9	2.3	2.4	2.2	
Pavement Type	AC/Brck	Earth	Earth	Earth	Earth	Earth	Earth	Earth	Earth	
Road Condition	Fair	Bad	Fair	Bad	Fair	Bad	Bad	Bad	Fair	
Detour Road (Additional Distance)	None	None	7km (6.5km)	None	13.5km (8km)	9km (5.5km)	Neighbor	Neighbor	3km (1.5km)	
Construction of new Approach	Necessary	Necessary	Necessary	Necessary	Not Necessary	Not Necessary	Necessary	Necessary	Not Necessary	
Vehicle (No.)	150	0	150	0	0	0	0	0	0	
Richshaw (No.)	500	0	100	0	1,000	1,000	1,000	1,000	6,000	
Pedestrian (Person)	5,000	0	5,000	0	5,000	5,000	1,200	1,000	6,000	
Boat (Person)	0	3,000	0	3,000	0	0	0	0	0	
Topography	Flat	Flat	Flat	Flat	Flat	Flat	Flat	Flat	Flat	
Geology	Silt	Clay/Silt	Clay	Clay/Silt	Clay	Clay/Silt	Clay	Clay	Clay	
Depth (m)	(1.9) 0.5	(13.0) 12.0	(3.4) 1.0	(3.4) 1.0	(5.6) 4.5	(5.6) 4.5	(3.7) 2.5	(4.3) 3.0	(3.1) 2.0	
Width (m)	5.9	15.5	4.0	4.0	6.2	6.2	4.8	4.6	3.1	
Velocity (m/s)	(50.0) 45.0	(148.0) 140.0	(18.4) 14.0	(18.4) 14.0	(52.0) 50.0	(52.0) 50.0	(55.0) 50.0	(35.0) 30.0	(19.0) 17.0	
River Dike	60.0	180.0	19.0	19.0	53.0	53.0	57.0	36.0	19.0	
River Alignment	0.1	None	0.5	0.5	0.5	0.5	0.5	0.4	None	
Fairway	None	Exist	None	Exist	None	None	None	None	None	
Condition of Transportation	Fixed	Fixed	fixed	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed	
Land Acquisition	Exist	Exist	None	Exist	Exist	Exist	Exist	Exist	Exist	
Removal of Obstruction	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	
Peace & Order	Necessary	Necessary	Necessary	Necessary	None	None	None	None	None	
Suggestive New Bridge	None	Good	Good	Good	Necessary(Houses)	Necessary(Houses)	Necessary(Houses)	Good	Good	
Length (m)	80.0	180.0	25.0	180.0	60.0	60.0	60.0	45.0	20.0	
Height (m)	9.0	18.6	5.6	18.6	7.8	7.8	6.8	6.2	5.2	
Socio-economic Effect	Yes	Yes	None	Yes	Yes	Yes	Yes	Yes	None(Yes)	
Necessity of new Bridge	Yes	Yes	None	Yes	Yes	Yes	Yes	Yes	Yes	
Adequacy as Grant Project	Yes	Yes	None	Yes	Yes	Yes	Yes	Yes	None(Yes)	
Selection	(9) None	(9) None	(3) OK	(1) OK	(8) None	(1) OK	(2) OK	(2) OK	(10)None(1)OK	(9) None
Remarks			Ext Br is OK but need add lane		Ext Br is OK	Loss by detour route is long	Loss by detour route is long	Exist detour route but many user	Narrow access Rd less than 2.3m	Local Consultant

SITE DATA OF REQUESTED BRIDGES AND SELECTION OF BRIDGES FOR 2ND SURVEY (9/13)

No.	81	82	83	84	85	86	87	88	89	90
Bridge No.	10-02-03	10-02-04	10-03-01	10-03-02	10-03-03	11-01-01	11-01-02	11-01-03	11-01-04	11-01-05
District	Laxmipur	Laxmipur	Laxmipur	Laxmipur	Laxmipur	Narsingdi	Narsingdi	Narsingdi	Narsingdi	Narsingdi
Thana	Rangonj	Rangonj	Rangonj	Rangonj	Rangonj	Sadar	Sadar	Sadar	Sadar	Sadar
Existence of Bridge	Exist	Exist	None	None	None	Exist	Exist	Exist	Exist	Exist
Bridge Type	Bamboo	Bamboo	-	-	-	Bamboo	Steel Br.	Withdrew	Withdrew	Withdrew
Length (m)	28.7	17.2	-	-	-	38.0	56.0	Withdrew	Withdrew	Withdrew
Width (m)	-	-	-	-	-	-	1.7	Withdrew	Withdrew	Withdrew
Bridge Condition	Danger	Danger	-	-	-	Danger	Weak	Withdrew	Withdrew	Withdrew
No. of Beneficiary (Person)	12,000	25,000	250,000	30,000	30,000	22,000	50,000	Withdrew	Withdrew	Withdrew
Land-use	Residence/Rice Field	Residence/Rice Field	Farm	Rice Field	Rice Field	Factory/Farm	Factory/Farm	Withdrew	Withdrew	Withdrew
Main Product	Rice	Rice	Fruit	Rice	Rice	Vegetable/Textile	Rice/Textile	Withdrew	Withdrew	Withdrew
Industry	Agriculture	Agriculture	Agriculture	Agriculture	Agriculture	Vegetable/Textile	Rice/Textile	Withdrew	Withdrew	Withdrew
Public Facilities	School/Bazar	School	School/Bazar	School/Bazar/Mosque/Shelter	School/Bazar/Mosque/Shelter	School/Bazar/Mosque	School/Bazar/Mosque/Hospital	Withdrew	Withdrew	Withdrew
Road Class	R-3	R-1	R-1	Embankment Rd.	Embankment Rd.	R-1	R-1	Withdrew	Withdrew	Withdrew
Road Width (m)	2.3	3.1	3.8	2.8	2.8	3.5	3.5	Withdrew	Withdrew	Withdrew
Pavement Type	Earth	Earth	Earth	Earth	Earth	Earth	Brick	Withdrew	Withdrew	Withdrew
Road Condition	Fair	Bad	Poor	Bad	Bad	Poor	Fair	Withdrew	Withdrew	Withdrew
Detour Road (Additional Distance)	3km (1km)	6.5km (4.5km)	None	Neighbor	Neighbor	None	None	Withdrew	Withdrew	Withdrew
Construction of new Approach	Not Necessary	Not Necessary	Not Necessary	Not Necessary	Not Necessary	Not Necessary	Not Necessary	Withdrew	Withdrew	Withdrew
Vehicle (No.)	0	0	0	0	0	0	200	Withdrew	Withdrew	Withdrew
Richshaw (No.)	0	0	0	0	0	0	0 (Regulating)	Withdrew	Withdrew	Withdrew
Pedestrian (Person)	1,000	1,500	0	0	0	2,500	11,000	Withdrew	Withdrew	Withdrew
Boat (Person)	0	0	2,000	500	500	0	0	Withdrew	Withdrew	Withdrew
Topography	Flat	Flat	Flat/Swamp	Flat	Flat	Flat	Flat	Withdrew	Withdrew	Withdrew
Geology	Clay	Clay	Silt	Silt	Silt	Silt	Silt	Withdrew	Withdrew	Withdrew
Depth (m)	(WL) 1.8	(2.8) 2.0	(1.8) 1.0	(5.0) 3.5	(5.0) 3.5	(2.2) 1.0	(4.3) 1.5	Withdrew	Withdrew	Withdrew
Width (m)	(2.8) 2.5	(17.0) 16.0	(77.5) 75.0	(79.8) 70.0	(79.8) 70.0	3.2	5.8	Withdrew	Withdrew	Withdrew
Velocity (m/s)	27.8	17.4	82.0	90.0	90.0	(38.0) 10.0	(50.0) 30.0	Withdrew	Withdrew	Withdrew
River Dike	None	None	1.0	None	None	42.0	56.0	Withdrew	Withdrew	Withdrew
River Alignment	Exist	None	Exist	Exist	Exist	0.1	0.1	Withdrew	Withdrew	Withdrew
Fairway	Fixed	Fixed	Fixed	Shifting	Shifting	Fixed	Fixed	Withdrew	Withdrew	Withdrew
Condition of Transportation	None	None	Exist	Exist	Exist	Fixed	Fixed	Withdrew	Withdrew	Withdrew
Land Acquisition	Possible	Possible	Possible	Possible	Possible	Exist	Exist	Withdrew	Withdrew	Withdrew
Removal of Obstruction	None	None	None	None	None	Possible	Possible	Withdrew	Withdrew	Withdrew
Peace & Order	None	None	Necessary(Houses)	Necessary(Houses)	Necessary(Houses)	None	None	Withdrew	Withdrew	Withdrew
Suggestive New Bridge	Good	Good	Good	Good	Good	None	Necessary(Houses)	Withdrew	Withdrew	Withdrew
Length (m)	30.0	20.0	80.0	90.0	90.0	Good	Good	Withdrew	Withdrew	Withdrew
Height (m)	4.5	4.5	4.7	8.9	8.9	40.0	65.0	Withdrew	Withdrew	Withdrew
Socio-economic Effect	Yes	Yes	Yes	None	None	4.7	7.8	Withdrew	Withdrew	Withdrew
Necessity of new Bridge	Yes	Yes	Yes	None	None	Yes	Yes	Withdrew	Withdrew	Withdrew
Adequacy as Grant Project	Yes	Yes	Yes	None	None	Yes	Yes	Withdrew	Withdrew	Withdrew
Selection	② OK	② OK	① OK	⑦ None	⑦ None	① OK	① OK	③ None	③ None	④ None
Remarks	Local Consultant	Loss by detour route is long	Local Consultant	Broken point of river bank & exist detour route	Broken point of river bank & exist detour route	① OK	① OK	③ None	③ None	④ None

SITE DATA OF REQUESTED BRIDGES AND SELECTION OF BRIDGES FOR 2ND SURVEY (10/13)

No.	91	92	93	94	95	96	97	98	99	100
Bridge No.	11-01-07	11-02-01	11-02-02	11-02-03	11-02-04	11-03-01	11-03-02	11-03-03	12-01-01	12-01-02
District	Narsingdi	Narsingdi	Narsingdi	Narsingdi	Narsingdi	Narsingdi	Narsingdi	Narsingdi	Faridpur	Faridpur
Thana	Sadar	Monohardi	Monohardi	Monohardi	Monohardi	Shibpur	Shibpur	Shibpur	Alfadhanga	Alfadhanga
Existence of Bridge	Exist	None	Withdraw	Withdraw	Exist	None	Exist	None	Exist	Exist
Bridge Type	RC Br.	-	-	Bamboo	Bamboo	-	RC Br.	-	Withdraw	Bamboo
Length (m)	24.4	-	-	34.5	-	-	19.2	-	RC bridge was constructed at the proposed site	50.0
Width (m)	2.0	-	-	-	-	-	3.35	-	-	-
Bridge Condition	Superannuated	-	Proposed site is included in the other project of BWDB	New construction is planned in the other LGED project (CBC)	Danger	-	Damaged (slab)	-	-	Danger
No. of Beneficiary (Person)	40,000	35,000	-	-	6,000	28,000	21,000	50,000	-	40,000
Land-use	Factory/Farm	Farm/Commercial	-	-	Residence/Farm	Residence/Farm	Residence/Farm	Residence/Farm	Residence/Farm	Rice Field/Farm
Main Product	Rice/Textile	Rice/Jute	-	-	Rice/Jute	Rice/Jute	Rice/Jute	Rice/Jute/Textile	Rice/Jute	Rice/Jute
Industry	Agriculture/Manufacture	Agriculture/Commercial	-	-	Agriculture	Agriculture	Agriculture/Forestry	Agriculture/Manufacture	Agriculture	Agriculture
Public Facilities	School/Bazar/Mosque/Hospital	School/Bazar/Mosque/Hospital	-	-	School/Bazar	School/Bazar/Gov't office	School/Bazar	School	School	School/Bazar/Mosque
Road Class	FRB	R-1	-	-	R-1	R-1	R-1	R-1	R-1	FRB
Road Width (m)	2.7	3.5	-	-	4.0	4.0	3.5	3.5	3.5	2.2
Pavement Type	Earth	Earth	-	-	Earth	Earth	Earth	AC/Earth	Earth	Earth
Road Condition	Poor	Poor	-	-	Poor	Fair	Fair	Good/Poor	Bad	Bad
Detour Road (Additional Distance)	None	None	-	-	None	None	Neighbor	5km (4km)	None	None
Construction of new Approach	Not Necessary	Not Necessary	-	-	Not Necessary	Not Necessary	Not Necessary	Not Necessary	Not Necessary	Not Necessary
Vehicle (No.)	30	0	-	-	0	0	50	0	0	0
Richshaw (No.)	25	0	-	-	0	0	250	0	0	0
Pedestrian (Person)	6,500	0	-	-	1,000	0	6,000	0	0	5,000
Boat (Person)	0	14,000	-	-	0	1,000	0	500	0	0
Topography	Flat	Flat	-	-	Flat	Rolling	Rolling/Flat	Rolling	Flat	Flat
Geology	Silt	Silt	-	-	Silt	Silt	Silt	Clay	Silt	Silt
Depth (m)	(WL) 5.3	(1.8) 1.0	-	-	(1.9) 0.5	(4.7) 2.0	(3.4) 1.0	(3.0) 0.5	(3.5) 2.5	(3.5) 2.5
	HWL 6.8	3.0	-	-	3.1	6.0	4.8	4.2	4.1	4.1
Width (m)	(WL) 23.0	(79.0) 10.0	-	-	(19.0) 15.0	(130.0) 50.0	(20.5) 10.0	(30.0) 10.0	(49.0) 43.0	(49.0) 43.0
	HWL 23.0	97.0	-	-	30.0	150.0	22.5	72.0	51.0	51.0
Velocity (m/s)	0.2	0.1	-	-	0.2	0.1	None	0.1	None	None
River Dike	None	None	-	-	None	None	None	Exist	Exist	Exist
River Alignment	Fixed	Fixed	-	-	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
Fairway	Exist	Exist	-	-	Exist	Exist	Exist	Exist	None	None
Condition of Transportation	Possible	Possible	-	-	Possible	Possible	Possible	Possible	Possible	Possible
Land Acquisition	None	None	-	-	None	None	None	None	Necessary	Necessary
Removal of Obstruction	Necessary(Houses)	Necessary(Houses)	-	-	None	None	None	None	Necessary(Houses)	Necessary(Houses)
Peace & Order	Good	Good	-	-	Good	Good	Good	Good	Good	Good
Suggestive New Bridge	Length (m) 25.0	75.0	-	-	30.0	100.0	25.0	75.0	50.0	50.0
	Height (m) 8.4	5.0	-	-	4.6	8.0	6.3	5.4	5.7	5.7
Socio-economic Effect	Yes	Yes	-	-	Yes	Yes	None	None	None(Yes)	None(Yes)
Necessity of new Bridge	Yes	Yes	-	-	Yes	Yes	None	Yes	Yes	Yes
Adequacy as Grant Project	Yes	Yes	-	-	Yes	Yes	None	None	None(Yes)	None(Yes)
Selection	① OK	① OK	⑨ None	⑨ None	② OK	② OK	⑧ None	⑦ None	⑨ None	⑩ None(①OK)
Remarks	Ext Br is low	-	-	-	-	-	Ext Br is OK & exist detour route	-	-	Narrow access Rd less than 2.3m

SITE DATA OF REQUESTED BRIDGES AND SELECTION OF BRIDGES FOR 2ND SURVEY (11/13)

No.	101	102	103	104	105	106	107	108	109	110
Bridge No.	12-01-03	12-02-01	12-02-02	12-03-01	12-04-01	12-05-01	13-01-01	13-01-02	13-01-03	
District	Faridpur	Faridpur	Faridpur	Faridpur	Faridpur	Faridpur	Chittagong	Chittagong	Chittagong	
Thana	Alfadhang	Boalmari	Boalmari	Nagarkanda	Sadarpur	Char Bhadrason	Anowara	Anowara	Anowara	
Existence of Bridge	Exist	Exist	None		Exist	Exist	Exist	Exist	Exist	
Bridge Type	RC Br.	Bamboo	-	Withdraw	Bamboo	Bamboo	RC Br.	Bamboo	Bamboo	
Length (m)	30.1	99.0	-		48.5	24.0	20.0	36.0	20.0	
Width (m)	2.6	-	-				3.6			
Bridge Condition	Minor Damage	Danger	-	RC bridge was constructed at the proposed site	Danger	Danger	Damaged	Danger	Danger	
No. of Beneficiary (Person)	30,000	80,000	50,000		30,000	30,000	30,000	15,000	50,000	
Land-use	Rice Field/Farm	Commercial	Rice Field/Farm		Rice Field	Rice Field	Rice Field	Rice Field	Rice Field	
Main Product	Rice/Jute	Rice/Jute	Rice/Jute		Rice	Rice	Rice	Rice	Rice	
Industry	Agriculture	Agriculture	Agriculture		Agriculture	Agriculture	Agriculture	Agriculture	Agriculture	
Public Facilities	School/Bazar	School/Bazar/ Gov't office	School/Bazar		School/Mosque/ Bazar/ Gov't office	School/Mosque/ Bazar/ Gov't office	School/ Shelter/ Bazar/ Gov't office	School/Mosque/ Bazar/ Gov't office	School/ Shelter/ Bazar	
Road Class	R-1	R-1	R-1		FRB	FRB	R-2	R-1	R-2	
Road Width (m)	3.1	3.1	2.5		4.0	4.2	2.5	3.0	2.4	
Pavement Type	Brick	Earth	Earth		Brick	Earth	Earth	Earth	Brick	
Road Condition	Fair	Bad	Bad		Good	Good	Poor	Poor	Bad	
Detour Road (Additional Distance)	6km (4km)	None	7km (6.5km)		None	1.5km (1km)	5km (3.5km)	4.5km (3km)	2km (1km)	
Construction of new Approach	Not Necessary	Necessary	Necessary		Not Necessary	Not Necessary	Not Necessary	Necessary	Not Necessary	
Vehicle (No.)	0	0	0		0	0	0	0	0	
Richshaw (No.)	200	0	0		0	0	0	0	0	
Pedestrian (Person)	1,000	5,000	0		2,000	3,500	5,000	1,000	1,000	
Boat (Person)	0	5,000	1,000		0	0	0	0	0	
Topography	Flat	Flat	Flat/Swamp		Flat	Flat	Flat	Flat	Flat	
Geology	Silt	Silt	Silt		Clay	Clay	Clay/Silt	Clay/Silt	Clay/Silt	
Depth (m)	(WL) 1.0	(6.3) 5.0	(4.0) 3.0		(7.5) 4.5	(2.9) 1.5	(2.3) 2.3	(1.0) 1.0	(1.2) 1.0	
Width (m)	(23.0) 17.0	(90.0) 85.0	(70.0) 67.0		8.0	4.1	3.3	2.8	2.4	
Velocity (m/s)	30.0	120.0	75.0		(56.5) 42.0	(46.0) 37.0	(17.0) 17.0	(37.0) 37.0	(13.0) 10.0	
River Dike	None	Exist	Exist		None	None	Exist	None	None	
River Alignment	Fixed	Sifting	Fixed		Fixed	Fixed	Fixed	Fixed	Fixed	
Fairway	Exist	Exist	Exist		None	Exist	Exist	Exist	None	
Condition of Transportation	Possible	Possible	Possible		Possible	Possible	Possible	Possible	Possible	
Land Acquisition	None	Necessary	Necessary		None	Necessary	None	None	None	
Removal of Obstruction	None	Necessary	Necessary		None	Necessary	Necessary	None	None	
Peace & Order	Good	Good	Good		Good	Good	Good	Good	Good	
Suggestive New Bridge	30.0	100.0	75.0		65.0	50.0	25.0	50.0	25.0	
Height (m)	5.7	10.9	7.6		10.6	6.7	6.4	5.6	5.0	
Socio-economic Effect	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	
Necessity of new Bridge	None	Yes	Yes		Yes	Yes	Yes	Yes	Yes	
Adequacy as Grant Project	None	Yes	Yes		Yes	Yes	Yes	Yes	Yes	
Selection	⑤ None	① OK	② OK	⑨ None	① OK	① OK	③ OK	② OK	② OK	
Remarks	Ext Br is OK	Need study for Br alignment	Need study for Br alignment			Loss by detour is less but many user	Loss by detour route is long	Loss by detour route is long	Loss by detour is less but many user	
					Local Consultant	Local Consultant				

SITE DATA OF REQUESTED BRIDGES AND SELECTION OF BRIDGES FOR 2ND SURVEY (12/13)

No.	111	112	113	114	115	116	117	118	119	120
Bridge No.	13-02-02	13-02-03	14-01-01	15-01-01	15-01-02	15-01-03	15-02-01	15-03-01	15-03-02	15-04-01
District	Chittagong	Chittagong	Cox's Bazar	Kishoregonj	Kishoregonj	Kishoregonj	Kishoregonj	Kishoregonj	Kishoregonj	Kishoregonj
Thana	Banshkhali	Banshkhali	Chokoria	Kuliarchar	Kuliarchar	Kuliarchar	Karimganj	Bajitpur	Bajitpur	Nikli
Existence of Bridge	Exist	Exist	None	None	Exist	Exist	Exist	None	None	None
Bridge Type	Bamboo	Bamboo	-	-	Bamboo	Bamboo	Bamboo	-	-	Withdraw
Length (m)	60.0	25.0	-	-	40.0	30.0	22.6	-	-	-
Width (m)	-	-	-	-	-	-	2.9	-	-	-
Bridge Condition	Danger	Danger	-	-	Danger	Danger	Danger	-	-	-
No. of Beneficiary (Person)	10,000	1,000,000	50,000	65,000	19,000	10,000	70,000	14,000	25,000	-
Land-use	Salt Farm	Rice Field	Residence/Rice Field	Residence/Rice Field	Residence/Rice Field	Farm/Forest	Residence/Bazar	Rice Field/Farm	Residence/Farm	-
Main Product	Salt	Rice	Rice	Rice/Vegetable/Jute	Rice/Vegetable/Jute	Rice/Vegetable/Jute	Rice/Jute	Rice/Jute	Rice/Vegetable/Jute	-
Industry	Agriculture	Agriculture	Agriculture	Agriculture/Commercial	Agriculture	Agriculture	Agriculture/Commercial	Agriculture	Agriculture/Forestry	-
Public Facilities	School/Bazar	Bazar/Gov't office	School/Bazar/Gov't office	School/Bazar/Mosque	School/Mosque	School/Bazar	School/Bazar/Mosque	School	Gov't office/School	-
Road Class	R-3	FRA	R-1	FRB	R-1	R-1	R-1	R-1	R-1	-
Road Width (m)	2.8	4.5	3.3	3.5	4.0	3.0	5.0	3.0	3.5	-
Pavement Type	Earth	Earth	Brick	Earth	Earth	Earth	Earth	Earth	Earth	-
Road Condition	Poor	Bad	Bad	Poor	Fair	Poor	Fair	Poor	Poor	-
Detour Road (Additional Distance)	1km (1km)	None	None	None	None	Neighbor	None	None	None	-
Construction of new Approach	Necessary	Necessary	Necessary	Not Necessary	Not Necessary	Not Necessary	Not Necessary	Not Necessary	Not Necessary	-
Vehicle (No.)	0	0	0	90	0	0	20	10	10	-
Richshaw (No.)	0	0	0	0	0	0	35	0	0	-
Pedestrian (Person)	1,000	3,000	0	0	3,000	1,000	12,000	0	0	-
Boat (Person)	0	0	3,000	9,500	0	0	0	1,250	1,250	-
Topography	Flat	Flat	Flat	Flat	Rolling	Rolling	Rolling	Flat	Flat/Swamp	-
Geology	Silt	Clay/Silt	Silt	Silt	Silt	Silt	Silt	Clay	Silt	-
Depth (m)	(WL) 5.3	(1.6) 1.0	(1.0) 0.5	(4.1) 2.5	(2.5) 0.3	(2.8) 1.0	(2.4) 0.0	(2.6) 1.0	(3.9) 1.0	-
	5.8	3.2	2.4	5.0	3.3	4.8	3.6	2.8	4.8	-
Width (m)	(WL) 60.0	(23.0) 20.0	(53.0) 50.0	(145.0) 70.0	(42.8) 20.0	(32.5) 20.0	(22.6) 0.0	(29.0) 10.0	(110.0) 40.0	-
	65.0	30.0	57.0	145.0	53.0	40.0	85.0	43.0	140.0	-
Velocity (m/s)	0.5	None	1.0	0.05	0.01	0.1	0.01	0.01	0.1	-
River Dike	Exist	Exist	None	None	None	None	None	None	None	-
River Alignment	Fixed	Fixed	Shifting	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed	-
Fairway	Exist	None	None	Exist	Exist	Exist	Exist	Exist	Exist	-
Condition of Transportation	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	Possible	-
Land Acquisition	Necessary	None	Necessary	None	None	None	None	None	None	-
Removal of Obstruction	Necessary(Houses)	Necessary(Houses)	Necessary(Houses)	Necessary(Houses)	None	None	None	None	None	-
Peace & Order	Good	Good	Good	Good	Good	Good	Good	Good	Good	-
Suggestive New Bridge	Length (m)	30.0	60.0	125.0	30.0	25.0	45.0	25.0	90.0	-
	Height (m)	4.8	4.2	7.0	4.8	5.5	4.8	5.3	7.3	-
Socio-economic Effect	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-
Necessity of new Bridge	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-
Adequacy as Grant Project	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-
Selection	(4) OK	(1) OK	(1) OK	(1) OK	(1) OK	(2) OK	(1) OK	(2) OK	(2) OK	(4) None
Remarks	Need study for Br alignment & neighbor Barry Br	Need check for RHD road				Exist detour route but many user				

SITE DATA OF REQUESTED BRIDGES AND SELECTION OF BRIDGES FOR 2ND SURVEY (13/13)

No.	121	122	123	124	125	126	127
Bridge No.	16-01-01	16-01-02	16-01-03	02-00-01	02-00-02	04-00-01	04-00-02
District	Manikganj	Manikganj	Manikganj	Gazipur	Gazipur	Habiganj	Habiganj
Thana	Dautatpur	Dautatpur	Dautatpur	Sadar	Sadar	Bahubal	Chunarughat
Existence of Bridge	None	None	None	Exist	None	Exist	Exist
Bridge Type	-	-	-	RC Br.	-	Bamboo	Steel Br.
Length (m)	-	-	-	26.8	-	29.0	33.0
Width (m)	-	-	-	2.6	-	-	3.1
Bridge Condition	-	-	-	Fair	-	Danger	Superannuated
No. of Beneficiary (Person)	35,000	40,000	35,000	80,000	95,000	50,000	5,000
Land-use	Rice Field/Farm	Rice Field/Farm	Rice Field/Farm	Rice Field/Farm	Farm	Farm/Forest	Farm/Forest
Main Product	Rice/Potato	Rice/Jute/Vegetable	Rice/Jute/Vegetable	Rice/Vegetable	Vegetable/Jute	Rice/Tea	Rice/Tea
Industry	Agriculture	Agriculture	Agriculture	Agriculture/Forestry	Agriculture/Manufacture	Agriculture/Forestry	Agriculture/Forestry
Public Facilities	School/Bazar/Mosque	Bazar	School/Bazar	School	School/Mosque	School/Hospital	School
Road Class	R-1	R-1	R-1	R-1	FRB	R-1	R-1
Road Width (m)	3.5	3.5	4.5	3.5	2.5	4.0	3.6
Pavement Type	Earth	Earth	Earth	Earth	Earth	Earth	Earth
Road Condition	Poor	Poor	Poor	Poor	Bad	Poor	Fair
Detour Road (Additional Distance)	None	None	None	None	None	10km (5km)	None
Construction of new Approach	Not Necessary	Not Necessary	Not Necessary	Not Necessary	Necessary	Not Necessary	Not Necessary
Vehicle (No.)	0	0	0	220	0	0	40
Richshaw (No.)	0	0	0	400	0	0	60
Pedestrian (Person)	2,000(detour)	0	0	7,500	0	0	500
Boat (Person)	0	1,500	1,500	0	1,700	1,500	0
Topography	Flat	Flat/Swamp	Flat	Rolling/Flat	Flat	Rolling	Rolling
Geology	Silt	Clay	Clay	Silt	Silt	Silt	Silt
Depth (m)	LWL (9.0) 6.0	(3.5) 2.0	(6.5) 3.0	(3.8) 0.8	(5.0) 0.6	(2.7) 0.7	(1.2) 1.2
	HWL 11.3	4.6	8.2	4.4	6.2	6.4	3.3
Width (m)	LWL (45.5) 40.0	(40.0) 15.0	(93.5) 70.0	(36.0) 30.0	(50.0) 15.0	(18.0) 10.0	(21.0) 21.0
	HWL 48.0	48.0	95.0	40.5	51.0	26.0	33.0
Velocity (m/s)	None	0.1	0.1	None	0.05	0.5	0.4
River Dike	None	None	None	None	None	None	None
River Alignment	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
Fairway	None	Exist	Exist	Exist	Exist	Exist	Exist
Condition of Transportation	Possible	Possible	Possible	Possible	Possible	Possible	Possible
Land Acquisition	None	None	None	None	None	None	None
Removal of Obstruction	None	None	None	None	None	None	None
Peace & Order	Good	Good	Good	Good	Good	Good	Good
Suggestive New Bridge	Length (m) 50.0	40.0	100.0	40.0	50.0	35.0	40.0
	Height (m) 12.5	6.6	9.7	6.5	8.8	8.0	5.4
Eval Socio-economic Effect	Yes	Yes	Yes	Yes	Yes	Yes	None
Necessity of new Bridge	Yes	Yes	Yes	None	Yes	Yes	None
Adequacy as Grant Project	Yes	Yes	Yes	None	Yes	Yes	None
Selection	① OK	② OK	② OK	⑤ None	② OK	② OK	⑦ None
Remarks	Br site is water gate			Ext Br is OK		Loss by detour route is long	Ext Br is OK