Data HD 5: Bill of Quantity and Construction Cost

Table BQ 1.1(1): Greater Dhaka East: Base of BQ

Station No.	Distance (m)	Accumulative Distance(m)	Ground Elevation(m)	Top of Embankment(m)	Embankment Height(m)	Design N	lsi Stage(m)	2nd Stage(m)	3rd Stage(m)	Remarks
3 0	0.0	0.0	5.46	8.60	3.14	7.50	3,14			
1	400.0	400.0		8.62	3.16	7.50	3,16			
2	400.0	800.0 1,200.0	3.96 3.96	8.63 8.65	4.67 4.69	4.50 4.50	4.67 4.69			
<u>3</u>	400.0 400.0	1,600.0	4.36	8.67	4.31	4.50	4,31			
- 5	400.0	2,000.0	4.36	8.69	4.33	4.50	4.33			
6	400.0	2,400.0	4.06	8.70	4.64	4.50	4.64			DC-4
7	400.0	2,800.0		8.72	4.46	4.50	4.46			
8	400.0	3,200.0	3.46	8.74	5.28	2.00	3.67	1.61		
9	400.0 400.0	3,600.0 4,000.0	2.96 3.46	8.76 8.77	5.8 5.31	2.00	3.67 3.67	2.13 1.64		
10	400.0	4,400.0	3.96	8.79	4.83	2.00	3.67	1.16		
11+150	150.0	4,550.0		8.80	4.86	2.00	3.67	1.19		
12	250.0	4,800.0	3.92	8.81	4.89	2.00	3.67	1.22		
13	520.0	5,320.0	2.72	8.83	6.11	2.00	3.67	2.44		
14	400.0	5,720.0		8.85	6.2	2.00	3.67	2.53		
15	400.0	6,120.0		8.87	6.32	2.00	3.67	2.65		DC-3
16	400.0	6,520.0		8.88	5.82	2.00	3.67	2.15		•
17	400.0 400.0	6,920.0 7,320.0		8,90 8,92	5.79 5.81	2.00	3.67	2.12		
18 18+200	200.0	7,320.0		8.93	5.53	2.00	3.67	1.86		
19	200.0	7,720.0		<del></del>	5.24	2.00	3.67	1.57		
20	400.0	8,120.0	3.02	8.95	5.93	2.00	3.67	2.26		
21	400.0			8.97	6.03	2.00	3.67	2.36		•
22	400.0			8.99	6.41	2.00	3.67	2.74	<b> </b>	
23	400.0			9.01	6.53	2.00	3.67	2.86	<del>  </del>	
24	400.0 400.0			9.02 9.04	6.25	2.00	3.67	2.69		
25 26	400.0			9.06	4.18	2.00	3.67	0.51	<del> </del>	DC-2
27	400.0				4.08	2.00	3.67	0.41		
28	400.0			9.09	4.16	2.00	3.67	0.49		
29	400.0			9.11	4.18	2.00	3.67	0.51		
30	400.0	12,120.0	1.72	9.13	7.41	2.00	3.67	2.88	3.46	
31	400.0			9.15	7.42	2.00	3.67	2.88	3.48	
32	400.0	<del></del>			7.12	2.00	3.67	2.88	3.49	
33	400.0			9.18	3.69	3.25	3.67	1.14	<del>                                     </del>	
33+200	200.0 200.0				2.57	4.50	2.57	<del> </del>	<del>  </del>	
34	400.0			9.22	2.21	4.50	2.21	<b>——</b>		
36	400.0			<del></del>	4.85	4.50	4.85	1		
37	400.0				7.64	4.50	7.64			
38	400.0			9.27	6.49	4.50	6.49		<u> </u>	
39	250.0				2.52	4.50	2.52	ļ	ļ	
40	400.0				2.34	4.50	2.34	<del> </del>	<del> </del>	
41	400.0				4.65	4.50	4.65	<del> </del>	<del> </del>	
42	400.0				3.87	4.50	3.87	2.88	3.68	
43 44	400.0 400.0				6.59 7.41	2.00	3.67	2.88	3.70	
45	400.0	<del></del>	<del></del>		8.52	2.00	3.67	2.88	3.71	DC-1
46	400.0			<del></del>	8.34	2.00	3.67	2.88	3.73	•
47	400.0			<del></del>	7.76	2.00	3.67	2.88	3,75	
48	400.0	· · · · · · · · · · · · · · · · · · ·			7.68	2.00	3.67	2.88	3.77	
49	400.0			·	7.99	2.00	3.67	2.88	3.78	
50	500.0		<del></del>	<del></del>	7.32	2.00	3.67	2.88	3.81	
51	500.0				5.04	2.00	3.67	1.37		
52	370.0				6.42	2.00	3.67	2.75 1.27		
53 54	400.0 400.0				4.94 4.49	2.00	3.67	0.82	<del>                                     </del>	
55 55	400.0				7.04	2.00	3.67	2.88	3.90	
56	160.0				7.49	2.00	3.67	2.88	3.90	
57	400.0			<del></del>	7.2	2.00	3.67	2.88	3.92	
58	400.0		·	<del></del>	7.24	2.00	3,67	2.88	3.94	
59	400.0			9.63	6,85	2.00	3.67	2.88	3.96	
60	400.0				2.38	7.50	2.38	<u> </u>		
61	400.0				7.28	2.00	3.67	2.88	3.99	
62	400.0				4.95	2.00	3.67	1.28	4.02	
63	400.0				7.2	2.00	3.67	2.88	4.03	
65	400.0 400.0				6.76 2.44	2.00	3,07	4.00	4.04	
66	400.0				2.2	4.50	<del>                                     </del>	1	<del> </del>	
67	400.0				2.88	4.50	1	<del> </del>	<b>†</b>	
68	400.0				2.77	4.50	1	1		
69	400.0	· Barineria - American de la compansión de		<del>  </del>	0	4.50				
				AVE	5.65	m			7520.00	
				MAX	8.52	m	1	68,6%	27.3%	i
		. "		MIN	2.2	111	1	90.07	27.570	

Table BQ 1.1(2): Greater Dhaka East - Base of BQ of Embankment

Station	Distance	Accumulative	Ground	Top of	Embankment	Area			Slope.L(C)	Remarks
		Distance	Elevation	Embankment	Height	(m2)	(m)	(m)	(m)	
			(pwd)	(pwd)	(m)		07.0	- 0.0	14.0	
. 0	0.0	0.0	5.46 5.46	8.60 8.62	3.14 3.16	45.3 45.8	27.8 27.9	9.9 10.0	14.9 15.0	
	400.0 400.0	400.0 800.0	3.96	8.63	4.67	97.2	40.0	17.8	19.8	
2 3	400.0	1,200.0	3.96	8.65	4.69	97.9	40.2	17.8	19.8	
4	400.0	1,600.0	4.36	8.67	4.31	82.9	37.9	16.6	18.6	
5	400.0	2,000.0	4.36	8.69	4.33	79.8	37.4	16.4	18.4	
6	400.0	2,400.0	4.06	8.70	4,64	96.0	39.9	17.7	19.7	DC-4
7	400.0	2,800.0	4.26	8.72	4.46	88.8	38.8	17.1	19.1 24.7	····
. 8	400.0	3,200.0	3.46	8.74	5.28	123.3	48.7 51.8	19.7 21.3	26.3	
9	400.0	3,600.0	2.96 3.46	8.76 8.77	5.8 5.31	148.3 124.9	48.9	19.8	24.8	
10	400.0 400.0	4,000.0 4,400.0	3.96	8.79	4.83	103.5	41.0	18.3	20.3	
11 11+150	150.0	4,550.0	3.96	8.80	4,84	104.7	41.2	18.4	20.4	1 1
12	250.0	4,800.0	3.92	8.81	4.89	105.9	41.3	18.5	20,5	
13	520.0	5,320.0	2.72	8.83	6.11	164.3	53.7	22.3	27.3	·
14	400.0	5,720.0	2.65	8.85	6.2	168.8	54.2	22.6	_	
15	400.0	6,120.0	2.55	8.87	6.32	175,0	54.9	23.0		DC-3
16	400.0	6,520.0	3.06	8.88	5.82	149.6	51.9	21.4 21.3	26.4 26.3	
17	400.0	6,920.0	3.11	8.90	5.79	148.0 148.9	51.8 51.9	21.4		
18	400.0	7,320.0	3.11 3.11	8,92 8.93	5.81 5.82	135.1	50.2	20.5	4	
18+200	200.0	7,520.0 7,720.0	3.70	8.94	5.24	121.3	48.4	19.6		
19 20	400.0	8,120.0	3.02	8.95	5.93	155.2	52.6	21.8	26.8	
21	400.0	8,520.0	2.94	8.97	6.03	160.1	53.2	22.1	27.1	
22	400.0	8,920.0	2.58	8.99	6.41	179.9	55.5			
23	400.0	9,320.0	2.48	9.01	6.53	186.2	56.2	23.6		
24	400.0		2.77	9.02	6.25	171.6	54.5	22.8 23.1		
25	400.0		2.68 4.88	9.04 9.06	6.36 4.18	177.3 78.0	55.2 37.1	16.2		DC-2
26 27	400.0 400.0	10,520.0 10,920.0	5.00	9.08	4.08	74.3	36.5			
28	400.0		4.93	9.09	4.16	77.5	37.0			
29	400.0		4.93	9.11	4.18	78.1	37.1	16.2	18.2	
30	400.0	•		9.13	7.41	236.3	61.5		+	
31	400.0	12,520.0	1.73	9.15	7.42	236.7	61.5			
32	400.0			9.16	7.12	219.6			<del></del>	<del></del>
33	400.0			9.18	4.81	102.7	40.9 32.7			
33+200	200.0			9.19	3.69	66.6	<del></del>	4	- <del> </del>	
34	200.0		7.01	9,20 9.22	2.57 2.21	30.4 23.4			<del></del>	
35 36	400.0 400.0			9.23	4.85	104.4		18.3	<del></del>	
37	400.0		4	9.25	7.64	250.7				
38	400.0			9.27	6.49	184.1	55.5	23.5	28.5	
39	250.0	15,570.0	6.76	9.28	2.52	29.2				
40	400.0			9.30	2.34	25.7	<del></del>		<del></del>	<del></del> _
41	400.0			9.31	4.65	96.3			<del></del>	
42	400.0			9.33	3.87	189.0				<del></del>
43	400.0			9.35 9.37	6.59 7.41	236.2	4	<del></del>		
44	400.0 400.0				8.52	306.3		<del></del>		DC-1
45 46	400.0	*			8.34	294.3				
47	400.0	<del></del>			7.76	257.			5 32.5	
48	400.0	<del></del>			7.68	252.4	63.			
49	400.0	***************************************			7.99	272	4	4	-+	
50	500.0	<del></del>			7.32	230.	<del></del>			
51	500.0		<del></del>	·	5.04	112.	+	_		
52	370.0	<del></del>			6.42	180.0		<del></del>		
53	400.0				4.49	108.0	<del></del>			
54 55	420.0				7.04	214.				
56	160.0				7.49	241.		<del></del>		
57	400.0	<del></del>			7.2	224.	<del></del>			
58	400.0				7.24	226.			-+	
59	400.0	23,520.0	2.78		6.85	203.	-4	<del></del>		
60	400.0			<del></del>	2.38	26.				
61	400.0			<del></del>	7.28	228.				
62	400.0				4.95	108.		_		<del></del>
63	400.0	<del></del>			6.76	223. 199.				
64 65	400.0				2.44	27.				
66	400.6				2.2	23.		_		4
67	400.0	·	<del></del>		2.88	38.	<del></del>	·		<del></del>
68	400.0				2.77	35.				+
69	400.0				0	0.		0 0.	0.0	
				AVE	5.66			· ——		
			Organica.	MAX	8.52					
				MIN	2.2					

Table BQ 1.2(1): Greater Dhaka East - Bill of quantity of Embankment (Emb.V & Land )

Station	Distance	Accumulative	Ground	Top of	Embankment	Area	Emb.	Accum.	B. Width	Land Area	Accum.		Remarks
No	2,000	Distance	Elevation	Embankment	Height		Volume	Volume	(m)	(n12)	Area		BQ BY Blocks
	(m)	(m)	(pwd)	(pwd)	(m)	(m2)	(m3)	(m3)	B+30m	L*(B+30)	(m2)		
- 0	0.0	0.0	5.46 5.46	8.60 8.62	3.14 3.16	45.3 45.8	18220.0	18220	57.8 57.9	23140.0	23140.0		
1 2	400.0 400.0	400.0 800.0	3.96	8.63	4,67	97.2	28600.0	46820	70.0	25580.0	48720.0		
$\frac{2}{3}$	400.0	1,200.0	3.96	8.65	4.69	97.9	39020.0	85840	70.2	28040.0	76760.0		
4	400.0	1,600,0	4.36	8.67	4,31	82.9	36160.0	122000	67.9	27620.0			DC-4
5	400.0	2,000.0	4.36		4.33	79.8	32540.0	154540	67.4 69.9	27060.0 27460.0	131440.0 158900.0		L=4.55 km
6	400.0	2,400.0	4.06		4,64 4,46	96.0 88.8	35160.0 36960.0	189700 226660	68.8	27740.0		V=	40003
7 8	400.0 400.0	2,800.0 3,200.0	4.26 3.46		5,28	123.3	42420.0	269080	78.7	29500.0	216140.0		32327
9	400.0	3,600.0	2.96	8.76	5.8	148.3	54320.0	323400	81.8	32100.0	248240.0		
10	400.0	4,000.0	3.46		5.31	124.9	54640.0	378040	78.9	32140.0			
11	400.0	4,400.0	3.96		4.83	103.5	45680.0	423720	71.0 101.2	29980.0 12911.3			
11+150	150.0	4,550.0	3.96 3.92		4.84 4.89	104.7	15615.0 26325.0	439335 465660	71.3	21556.3	344827.5		
12 13	250.0 520.0	4,800.0 5,320.0	2.72	8.83	6.11	164.3	70252.0	535912	83.7	40300.0			DC-3
14	400.0	5,720.0	2.65		6.2	168.8	66620.0	602532	84,2	33580.0			L=2.97 km
15	400.0	The second secon	2.55		6.32	175.0	68760.0	671292	84.9				3714
16	400.0		3.06		5.82	149.6	64920.0	736212	81.9 81.8			A≖	2473
17	400.0	6,920.0	3.11		5.79 5.81	148.0	59520.0 59380.0	795732 855112				1	
18	400.0 200.0	7,320.0 7,520.0	3.11 3.11	8.92 8.93	5.82	135.1	28400.0	883512	110.2	THE RESERVE TO A PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.			
18+200 19	200.0		3.70		5.24	121.3	25640.0	909152	78.4				
20	400.0		3.02	8.95	5.93	155.2	55300.0	964452	82.6				
21	400.0		2.94		6.03	160.1	63060.0	1027512	83.2	<del></del>			
22_	400.0				6.41	179.9 186.2	68000.0 73220.0	1095512 1168732	85.5 86.2				
23	400.0				6.53 6.25	171.6	71560.0	1240292				- 4	
24 25	400.0				6.36	177.3	69780.0	1310072	85.2			1	DC-2
26	400.0				4.18	78.0	51060.0	1361132					L=6.00km
27	400.0			9.08	4.08	74.3	30460.0					-1	7601 4841
28	400.0			·	4.16	77.5	30360.0					-1	4041
29	400.0				4.18 7.41	78,1 236,3	31120.0 62880.0				<del></del>		
30	400.0				7.42	236.7	94600.0						
32	400.0				7.12	219.6	91260.0					-	
33	400,0		<del></del>		4.81	102.7	64460.0					4	
33+200	200.0				3.69	66.6	16925.0				1054682.5		
34	200.0				2.57	30.4 23.4	9695.0 10760.0				1089707.5		
35 36	400.0			<del></del>	2.21 4.85	104.4	25560.0				1113367.5	-	
37	400.0			·	7.64	250.2	70920.0		92.		1146147.	-1	
38	400.0				6,49	184.1	86860.0				1181887.		
39	250.0			+	2.52	29.2	26662.5					~4	
40	400.0				2.34	25.7	10980.0 24400.0				0 1219807.: 0 1243387.:		
41	400.0				4.65 3.87	96.3 67.3	32720.6	<del></del>			_		
42 43	400.0				6.59	189.6	51380.0	· <del></del>				3	
44	400.6		4		7.41	236.2	85160.	221829			0 1335127.		
45	400.0				8.52	306.3	108500.				0 1373027.		DC-1
46	400.0				8.34	294.3	120120.				0 1412047. 0 1450167.		L=14.00 km 18985
47	400.0				7.76	257.5	110360.0				0 1487507.		
48	400.0				7.68	252.4 272.1	104900.	<del></del>		<del></del>	0 1525127.	-1	
49 50	400.6 500.6				7.32	230.8	125725			9 46475.	0 1571602	3	
51	500.0				5.04	112.2	85750.	0 297563	0 77.		0 1613627.		
52	370.	20,940.0	3.0	9 9.51	6.42	180.6	54168.				5 1643727.		
53	400.	21,340.0			4.94	108.0	57720.		_		0 1675147. 0 1703247.		
54	400.				4.49	89.8	39560. 63924				0 1703247.	_	
55	420.				7.04	214.6 241.4	63924. 36480.	-			0 1750944.		
56 57	160. 400.				7.2	224.1	93100.				0 1787384		
58	400.		·		7,24	226.3	90080.		-	4 36120	.0 1823504.		
59	400.				6.85	203.8	86020.	0 349668			0 1859204		
60	400.	23,920.	0 7.2	6 9.64	2.38	26.6					0 1886484		
61	400.				7.28	228.7	51060.				.0 1914284 .0 1946764		
62	400.				4.95	108.3	67400. 66420.				.0 1979144		
63	400.				6.76	223.8 199.2	84600				0 2014704	_	
65	400. 400.				2.44	27.6	· · · · · · · · · · · · · · · · · · ·				0 2041944		
66	400.				2.2	23.3					.0 2051104	_	
67	400.				2.88	38.2	12300	0 388008			.0 2081804		
68	400			9.78	2.77	35.5					.0 2104184	****	
69	400.			0 9.80	0	0.0					2122104		= 3430
				AVE	5.66		Tot	al 390192	12	Total=	2122104	U V	= 345L
				MAX	8.52					0.0		Α	= 2122

<sup>1)</sup> V=Accum. Volume-Foundation .T Areax0.6mx0.8

Table BQ 1.2(2): Greater Dhaka East - Bill of quantity of Embankment (Foundation Treatment

nation No	Distance	Accumulative Distance	Ground Elevation	Top of Embankment	Embankment Height	Found. Treat.	B. Width (m)	Foundation Treat.Area	Accum. F.T.Area	Accium. F.T.Arca	Remarks (Enb.Km)
	(m)	(m)	(pwd)	(pwd)	(m)	•		(m2)	(m2)	(m2)	(F.T.Km)
0	0.0	0.0	5.46	8.60	3.14		27.8				
	400.0	400.0	5.46 3.96	8.62 8.63	3.16 4.67		27.9 40.0		0		
_2	400.0 400.0	800.0 1,200.0	3.96	8.65	4.69	ļ	40.0		0	j	
3	400.0	1,600.0	4.36	8.67	4.31		37.9		0		DC-4
5	400.0	2,000.0	4.36	8.69	4.33		37.4		0	i	(L=4.55 km)
6	400.0	2,400.0	4.06	8.70	4.64		39.9		0	l	L=1.75 km
7	400.0	2,800.0	4.26	8,72	4.46		38.8		0	· .	81881
8	400.0	3,200.0	3.46	8.74	5.28	•	48.7	17500	17500		
9	400.0	3,600.0	2.96	8.76	5.8	•	51.8	20100	37600		
10	400.0	4,000.0	3.46	8.77	5.31	•	48.9	20140	57740		
11	400.0	4,400.0	3.96	8.79	4.83		41.0	17980	75720		
+150	150.0	4,550.0	3.96	8.80	4.84	•	41,2	6161	81881	81881	
12	250.0	4,800.0	3.92	8.81	4.89		41.3	10306	92188		
13	520.0	5,320.0	2.72	8.83	6.11	-	53.7	24700	116888		DC-3
14	400.0	5,720.0	2.65	8.85	6.2	•	54.2	21580	138468		(L=2.97 km)
15	400.0	6,120.0	2.55	8.87	6.32		54.9	21820	160288		L=2.97 km
16	400.0	6,520.0	3.06	8.88	5.82	•	51.9	21360	181648		151451
17	400.0	6,920.0	3,11	8.90	5.79	•	51.8	20740	202388		
18	400.0	7,320.0	3.11	8.92	5.81	*	51.9	20740	223128	· · · ·	
+200	200.0	7,520.0	3.11	8.93	5.82	•	50.2	10205	233333	233333	
19	200.0	7,720.0	3.70	8.94	5.24	•	48.4	9855	243188		
20	400.0	8,120.0	3.02	8.95	5.93	•	52.6	20200	263388		
21	400.0	8,520.0	2.94	,8,97	6.03	•	53.2	21160	284548		
22	400.0	8,920.0	2.58	8.99	6.4)	•	55.5	21740	306288	- 11 - 14 - 14 - 14 - 14 - 14 - 14 - 14	DC_2
23	400.0	9,320.0	2.48	9.01	6.53	*	56.2	22340	328628	·, [	(L=6.00km)
24	400.0	9,720.0	2.77	9.02	6.25	•	54.5	22140	350768		L=5.80km
25	400.0	10,120.0	2.68	9.04	6.36	-	55.2	21940	372708	7	290755
26	400.0	10,520.0	4.88	9.06	4.18	•	37.1	18460	391168		
27	400.0	10,920.0	5.00	9.08	4.08	•	36.5	14720	405888	[	
28	400.0	11,320.0	4.93	9.09	4.16	•	37.0	14700	420588		
29	400.0	11,720.0	4.93	9.11	4.18	•	37.1	14820	435408		
30	400.0	12,120.0	1.72	9,13	7.41	1	61.5	19720	455128		
31	400.0	12,520.0	1.73	9.15	7.42		61.5	24600	479728		
32	400.0	12,920.0	2.04	9.16	7.12	•	59.7	24240	503968		
33	400.0	13,320.0	4.37	9.18	4.81		40.9	20120	524088		
+200	200.0	13,520.0	5.50	9.19	3.69	·	32.7	25,20	524088	524088	
34	200.0	13,720.0	6.63	9.20	2.57	<del> </del>	24.4		524088		···
35	400.0	14,120.0	7.01	9.22	2.37	<del> </del>	17.2		524088	. 1	
35 36	400.0	14,120.0	4.38	9.22	4.85	<del> </del>	41.1	<del></del>	524088		
37	400.0	14,320.0	1.61	9.25	7.64		62.8		524088	. 1	
38	400.0	15,320.0	2.78	9.27	6.49		55.9		524088		
39	250.0	15,570.0	6.76	9.28	2.52	<b> -</b>	24.1		524088		
40	400.0	15,970.0	6.96	9.30	2.34		18.0		524088		
41	400.0	16,370.0	4.66	9.31	4.65		39.9		524088		
42	400.0	16,770.0	5.46	9.33	3.87	-	32.2		524088		DC-1
43	400.0		2.76	9.35	6.59		56.5	17740	541828		(L=14.0 km
44	400.0	17,170.0 17,570.0	1.96	9.33	7.41		61.4	23580	565408	1	L=8.35 km
45	400.0			9.37	8.52	<del>-</del> -	68.1	25900			458697
						-			618328	. 1	420071
46	400.0		1.06	9.40	8.34	-	67.0	27020	644448		
47	400.0	18,770.0	1.66	9.42	7.76		63.6	26120 25340	669788	1	
48	400.0	19,170.0	1.76	9.44	7.68		63.1			1	
19	400.0	19,570.0	1.46	9,45	7.99	*	65.0	25620	695408	l	
50	500.0	20,070.0	2.16	9.48	7.32	4	60.9	31475	726883	!	
51	500.0	20,570.0	4.46	9.50	5.04	<del>  ;</del>	47.2	27025	753908		
52	370.0	20,940.0	3.09	9.51	6.42		55.5	19000	772907	4	
53	400.0	21,340.0	4.59	9.53	4.94	*	41.6	19420	792327	1	4
54	400.0	21,740.0	5.06	9.55	4.49		38.9	16100	808427	İ	
55	420.0	22,160.0	2.53	9.57	7.04		59.2	20601	829028		
56	160.0	22,320.0	2.08	9.57	7.49	*	62.0	9696	838724	ļ	
57	400.0	22,720.0	2.39	9.59	7,2	+	60.2	24440	863164		
8	400.0	23,120.0	2,37	9.61	7.24	*	60.4	24120	887284		
59	400.0	23,520.0	2.78	9.63	6.85		58.1		887284		
0	400.0	23,920.0	7.26	9.64	2.38		18.3	15280	902564	•	
51	400.0	24,320,0	2.38	9.66	7.28	•	60.7	15800	918364	1	
52	400.0	24,720.0	4.73	9.68	4.95		41.7	20480	938844	į	
53	400.0	25,120.0	2.50	9.70	7.2	•	60.2	20380	959224	j	
54	400.0	25,520.0	2.95	9.71	6.76	*	57.6	23560	982784		100
55	400.0	25,920.0	7.29	9.73	2.44		18.6		982784	]	
56	400.0	26,320.0	7.55	9.75	2.2		17.2		982784		
57	400.0	26,720.0	6.89	9.77	2.88		26.3		982784		
58	400.0	27,120.0	7.01	9.78	2.77	<u> </u>	25.6		982784	· · · · · · · · · · · · · · · · · · ·	
59	400.0	27,520.0	9.80	9.80	0		4.0		982784	982784	982
<del></del> +				AVE	5.66	·		T0tal=	982784	Total=	982
				MAX	8.52		30.0	2 4.001	, ,		, 52.
			4	MIN	2.2		20.0			ļ	

Table BQ 1.2(3): Greater Dhaka East - Bill of quantity of Embankment (Sodding &Brick Soling)

B - 0	ccumulative Distance	ince E	Ground devation wd)	Top of Emb. (pwd)	Emb. Height (m)	Slope (R) & Berm (m2)	7	Sodding (m2)	Accum. I Sodding (m2)	(m2)	Accum. Revenment (m2)	Slope (C)	Sodding (m2)	Accum. Sodding (m2)	Brick Soling O/M Berm:5m (m2)	Remarks
1         400.0           2         400.0           3         400.0           4         400.0           5         400.0           6         400.0           7         400.0           8         400.0           9         400.0           10         400.0           11         400.0           12         250.0           13         520.0           14         400.0           15         400.0           17         400.0           18         400.0           19         200.0           20         400.0           21         400.0           23         400.0           24         400.0           25         400.0           26         400.0           27         400.0           28         400.0           31         400.0           32         400.0           33         400.0           34         200.0           33         400.0           34         400.0           35         400.0 <tr< td=""><td>0,0</td><td></td><td>5.46</td><td>8.60</td><td>3.14</td><td>9.9</td><td>+</td><td>(100)</td><td>- V.I.L./</td><td><u> </u></td><td></td><td>4.9</td><td></td><td></td><td></td><td></td></tr<>	0,0		5.46	8.60	3.14	9.9	+	(100)	- V.I.L./	<u> </u>		4.9				
2         400.0           3         400.0           4         400.0           5         400.0           6         400.0           7         400.0           8         400.0           9         400.0           10         400.0           11         150.0           12         250.0           13         520.0           14         400.0           15         400.0           16         400.0           17         400.0           18         400.0           20         400.0           21         400.0           22         400.0           23         400.0           24         400.0           25         400.0           26         400.0           27         400.0           28         400.0           31         400.0           32         400.0           33         400.0           34         200.0           33         400.0           34         200.0           35         400.0 <t< td=""><td>400.0</td><td></td><td>5.46</td><td>8.62</td><td>3.16</td><td>10.0</td><td>Ī</td><td>3980.0</td><td>3980.0</td><td></td><td></td><td>5.0</td><td>1980</td><td>1980</td><td>2000</td><td></td></t<>	400.0		5.46	8.62	3.16	10.0	Ī	3980.0	3980.0			5.0	1980	1980	2000	
3 400.0 4 400.0 5 400.0 5 400.0 6 400.0 7 400.0 8 400.0 9 400.0 10 400.0 11 400.0 11 14150 150.0 12 250.0 13 520.0 14 400.0 15 400.0 16 400.0 17 400.0 18 400.0 19 200.0 19 200.0 19 200.0 19 200.0 19 200.0 20 400.0 21 400.0 22 400.0 23 400.0 24 400.0 25 400.0 26 400.0 27 400.0 28 400.0 27 400.0 28 400.0 29 400.0 31 400.0 32 400.0 33 400.0 33 400.0 33 400.0 33 400.0 33 400.0 33 400.0 33 400.0 33 400.0 33 400.0 33 400.0 33 400.0 34 400.0 35 400.0 36 400.0 37 400.0 38 400.0 38 400.0 39 250.0 40 400.0 41 400.0 42 400.0 44 400.0 45 400.0 46 400.0 47 400.0 48 400.0 55 500.0 55 370.0 55 400.0 55 400.0 55 400.0 56 400.0 57 400.0 58 400.0 59 400.0 59 400.0 50 500.0 55 400.0 56 400.0 57 400.0 58 400.0 58 400.0 59 400.0 56 400.0 57 400.0 58 400.0 58 400.0 59 400.0 56 400.0 56 400.0 57 400.0 58 400.0 58 400.0 59 400.0 56 400.0 59 400.0 59 400.0 56 400.0 59 400.0	800.0		3.96	8.63	4.67	17.8	Ţ	5560.0	9540.0			9.8	2960	4940 8860		
5         400.0           6         400.0           7         400.0           8         400.0           9         400.0           10         400.0           11         400.0           12         250.0           13         520.0           14         400.0           15         400.0           16         400.0           17         400.0           18+200         200.0           19         200.0           20         400.0           21         400.0           22         400.0           23         400.0           24         400.0           25         400.0           26         400.0           27         400.0           28         400.0           30         400.0           31         400.0           32         400.0           33         400.0           34         200.0           34         200.0           35         400.0           37         400.0           38         400.0	1,200.0	***	3.96	8.65	4.69	17.8	-	7120.0	16660.0			9.8 8.6	3920 3680	12540		
6 400.0 7 400.0 8 400.0 9 400.0 11 400.0 11 400.0 11 400.0 11 400.0 11 400.0 11 400.0 11 400.0 11 50.0 12 250.0 13 520.0 14 400.0 15 400.0 16 400.0 17 400.0 18 400.0 20 400.0 21 400.0 22 400.0 22 400.0 23 400.0 22 400.0 23 400.0 24 400.0 25 400.0 26 400.0 27 400.0 28 400.0 29 400.0 31 400.0 31 400.0 31 400.0 31 400.0 33 400.0 31 400.0 33 400.0 31 400.0 33 400.0 33 400.0 31 400.0 33 400.0 31 400.0 33 400.0 31 400.0 32 400.0 33 400.0 33 400.0 34 400.0 35 400.0 36 400.0 37 400.0 38 400.0 39 250.0 40 400.0 41 400.0 42 400.0 43 400.0 44 400.0 45 400.0 46 400.0 47 400.0 48 400.0 59 400.0 50 500.0 51 500.0 55 500.0 55 500.0 55 500.0 55 500.0 55 500.0 56 160.0 57 400.0 58 400.0 59 400.0	1,600.0 2,000.0		4.36	8.67 8.69	4.31 4.33	16.6 16.4	-+	6880.0 6600.0	23540.0 30140.0			8.4	3400	15940		
7 400.0 8 400.0 9 400.0 10 400.0 11 400.0 11 1400.0 11 150 150.0 12 250.0 13 520.0 14 400.0 16 400.0 17 400.0 18 400.0 18 400.0 19 200.0 20 400.0 21 400.0 21 400.0 22 400.0 23 400.0 24 400.0 25 400.0 26 400.0 27 400.0 28 400.0 29 400.0 21 400.0 31 400.0 31 400.0 33 400.0 33 400.0 31 400.0 33 400.0 31 400.0 31 400.0 32 400.0 33 400.0 31 400.0 33 400.0 31 400.0 31 400.0 32 400.0 33 400.0 34 400.0 35 400.0 36 400.0 37 400.0 38 400.0 38 400.0 39 400.0 31 400.0 31 400.0 31 400.0 32 400.0 33 400.0 35 400.0 36 400.0 37 400.0 38 400.0 36 400.0 37 400.0 38 400.0 39 250.0 40 400.0 41 400.0 42 400.0 43 400.0 44 400.0 45 400.0 46 400.0 47 400.0 48 400.0 59 400.0 51 500.0 55 500.0 55 500.0 55 500.0 55 500.0 55 500.0 55 500.0 55 500.0 55 500.0 55 500.0 55 500.0 55 500.0 55 500.0 55 500.0 55 500.0 56 160.0 57 400.0 66 400.0 66 400.0 66 400.0 66 400.0 66 400.0 66 400.0 66 400.0 66 400.0 66 400.0 66 400.0 66 400.0 66 400.0 66 400.0 66 400.0 66 400.0 66 400.0 67 400.0 68 400.0	2,400.0		4.06	8.70	4.64	17.7	+	6820.0	36960.0			9.7	3620	19560		
8         400.0           9         400.0           10         400.0           11         400.0           12         250.0           13         520.0           14         400.0           15         400.0           16         400.0           17         400.0           18         400.0           19         200.0           20         400.0           21         400.0           22         400.0           23         400.0           24         400.0           25         400.0           27         400.0           28         400.0           29         400.0           30         400.0           31         400.0           32         400.0           33         400.0           34         200.0           34         200.0           35         400.0           36         400.0           37         400.0           38         400.0           39         250.0           40         400.0	2,800.0		4.26	8,72	4.46	17.1	1	6960.0	43920.0			9,1	3760	23320		DC-4
9 400.0 10 400.0 11 400.0 11 400.0 11 400.0 11 400.0 12 250.0 13 520.0 14 400.0 15 400.0 16 400.0 17 400.0 18 400.0 18 400.0 19 200.0 19 200.0 20 400.0 21 400.0 22 400.0 23 400.0 24 400.0 25 400.0 27 400.0 28 400.0 27 400.0 28 400.0 30 400.0 31 400.0 31 400.0 32 400.0 33 400.0 33 400.0 33 400.0 34 400.0 37 400.0 38 400.0 39 400.0 31 400.0 31 400.0 31 400.0 32 400.0 33 400.0 34 400.0 35 400.0 36 400.0 37 400.0 38 400.0 39 250.0 40 400.0 41 400.0 42 400.0 43 400.0 44 400.0 45 400.0 47 400.0 48 400.0 49 400.0 50 50 500.0 51 500.0 55 400.0 55 400.0 55 400.0 55 400.0 55 400.0 55 400.0 55 400.0 56 160.0 57 400.0 58 400.0 59 400.0 59 400.0 56 400.0 57 400.0 58 400.0 59 400.0 59 400.0 59 400.0 56 400.0 57 400.0 58 400.0 59 400.0 59 400.0 59 400.0 59 400.0 56 400.0 57 400.0 58 400.0 59 400.0 59 400.0 56 400.0 57 400.0 58 400.0 59 400.0	3,200.0		3.46	8.74	5.28	19.7	2	7360,0	51280.0			19.7	5760	29080		
11         400.0           11+150         150.0           12         250.0           13         520.0           14         400.0           15         400.0           16         400.0           17         400.0           18         400.0           20         400.0           21         400.0           22         400.0           23         400.0           24         400.0           25         400.0           28         400.0           29         400.0           30         400.0           31         400.0           32         400.0           33         400.0           34         200.0           35         400.0           36         400.0           37         400.0           40         400.0           41         400.0           42         400.0           43         400.0           44         400.0           45         400.0           47         400.0           48         400.0	3,600.0	3,600,0	2.96	8.76	5.8	21.3	2	8200.0	59480.0			21.3	8200 8220	37280 45500		
11+150         150.0           12         250.0           13         520.0           14         400.0           15         400.0           16         400.0           17         400.0           18+200         200.0           20         400.0           21         400.0           22         400.0           23         400.0           25         400.0           26         400.0           27         400.0           28         400.0           30         400.0           31         400.0           32         400.0           33+200         200.0           34         200.0           35         400.0           36         400.0           37         400.0           38         400.0           40         400.0           41         400.0           42         400.0           43         400.0           44         400.0           45         400.0           47         400.0           48         400.0 </td <td>4,000.0</td> <td></td> <td>3.46</td> <td>8.77</td> <td>5.31</td> <td>19.8</td> <td>괵</td> <td>8220.0</td> <td>67700.0</td> <td></td> <td></td> <td>19.8 15.3</td> <td>7020</td> <td>52520</td> <td></td> <td></td>	4,000.0		3.46	8.77	5.31	19.8	괵	8220.0	67700.0			19.8 15.3	7020	52520		
12 250.0 13 520.0 14 400.0 15 400.0 16 400.0 17 400.0 18 400.0 18 400.0 19 200.0 19 200.0 20 400.0 21 400.0 22 400.0 23 400.0 24 400.0 25 400.0 27 400.0 28 400.0 29 400.0 30 400.0 31 400.0 32 400.0 33 400.0 33 400.0 33 400.0 33 400.0 34 400.0 36 400.0 37 400.0 38 400.0 39 250.0 40 400.0 41 400.0 41 400.0 42 400.0 43 400.0 44 400.0 45 400.0 46 400.0 47 400.0 48 400.0 49 400.0 41 400.0 45 400.0 55 500.0 55 370.0 55 400.0 55 400.0 55 400.0 55 400.0 55 400.0 55 400.0 55 400.0 55 400.0 55 500.0 55 500.0 55 400.0 55 400.0 55 400.0 56 160.0 57 400.0 58 400.0 59 400.0 59 400.0 56 160.0 57 400.0 58 400.0 59 400.0 56 160.0 57 400.0 58 400.0 59 400.0	4,400.0		3.96	8.79 8.80	4.83 4.84	18.3 18.4	┥	7620.0 2752.5	75320.0 78072.5		····	10.4	1927.5	54448	+	
13         520.0           14         400.0           15         400.0           16         400.0           17         400.0           18         400.0           19         200.0           20         400.0           21         400.0           22         400.0           24         400.0           25         400.0           26         400.0           27         400.0           28         400.0           30         400.0           31         400.0           32         400.0           33+200         200.0           34         200.0           35         400.0           36         400.0           37         400.0           38         400.0           40         400.0           41         400.0           42         400.0           43         400.0           44         400.0           45         400.0           47         400.0           48         400.0           47         400.0	4,550.0 4,800.0		3.96 3.92	8.81	4.89	18.5	-	4612.5	82685.0			15.5	3237.5	57685		
14         400.0           15         400.0           16         400.0           17         400.0           18         400.0           18+200         200.0           19         200.0           20         400.0           21         400.0           23         400.0           24         400.0           25         400.0           26         400.0           27         400.0           30         400.0           31         400.0           32         400.0           33         400.0           34         200.0           34         200.0           35         400.0           37         400.0           38         400.0           40         400.0           41         400.0           42         400.0           43         400.0           45         400.0           47         400.0           48         400.0           49         400.0           50         500.0           51         500.0	5,320.0		2.72	8.83	6.11	22.3	2	10608.0	93293.0			22.3	9828	67512		
15 400.0 16 400.0 17 400.0 18 400.0 18 400.0 18 400.0 19 200.0 20 400.0 21 400.0 22 400.0 23 400.0 24 400.0 25 400.0 26 400.0 27 400.0 28 400.0 30 400.0 31 400.0 32 400.0 33 400.0 33 400.0 33 400.0 33 400.0 34 200.0 35 400.0 36 400.0 37 400.0 38 400.0 37 400.0 38 400.0 39 250.0 40 400.0 41 400.0 42 400.0 43 400.0 44 400.0 45 400.0 46 400.0 47 400.0 48 400.0 48 400.0 59 500.0 51 500.0 51 500.0 52 370.0 53 400.0 55 400.0 56 160.0 57 400.0 58 400.0 59 400.0 59 400.0 59 400.0 59 400.0 59 400.0 59 500.0 51 500.0 55 500.0 55 500.0 55 500.0 55 500.0 56 160.0 57 400.0 66 400.0 66 400.0 66 400.0 67 400.0 66 400.0 66 400.0 67 400.0 66 400.0 66 400.0 67 400.0 68 400.0	5,720.0		2.65	8.85	6.2	22.6	2	8980.0	102273.0			22.6	8980	7649.		DO 3
16         400.0           17         400.0           18         400.0           18+200         200.0           19         200.0           20         400.0           21         400.0           22         400.0           23         400.0           24         400.0           25         400.0           28         400.0           29         400.0           30         400.0           31         400.0           32         400.0           33+200         200.0           34         200.0           35         400.0           37         400.0           38         400.0           40         400.0           41         400.0           42         400.0           43         400.0           45         400.0           47         400.0           48         400.0           47         400.0           48         400.0           50         500.0           51         500.0           52         370.0	6,120.0		2.55	8.87	6.32	23.0				9120.0	9120.0		9120	8561.		DC-3
18         400.0           18+200         200.0           19         200.0           20         400.0           21         400.0           22         400.0           23         400.0           24         400.0           25         400.0           26         400.0           29         400.0           30         400.0           31         400.0           32         400.0           34         200.0           34         200.0           35         400.0           37         400.0           39         250.0           40         400.0           41         400.0           42         400.0           43         400.0           44         400.0           45         400.0           47         400.0           48         400.0           47         400.0           50         500.0           51         500.0           52         370.0           53         400.0           54         400.0	6,520.0		3.06	8.88	5.82	21.4				8880.0			8880 8540	9449. 10303.		
18+200         200.0           19         200.0           20         400.0           21         400.0           23         400.0           24         400.0           25         400.0           26         400.0           27         400.0           28         400.0           30         400.0           31         400.0           32         400.0           33         400.0           35         400.0           36         400.0           37         400.0           38         400.0           41         400.0           42         400.0           43         400.0           44         400.0           45         400.0           46         400.0           47         400.0           48         400.0           50         500.0           51         500.0           52         370.0           53         400.0           54         400.0           55         420.0           56         160.0	6,920.0		3.11	8.90	5.79	21.3 21.4	2			8540.0 8540.0	35080.0		8540	11157		
19	7,320,0		3.11	8.92 8.93	5.81 5.82	20.5				4190.0			3690	11526		
20 400.0 21 400.0 22 400.0 23 400.0 24 400.0 25 400.0 26 400.0 27 400.0 28 400.0 29 400.0 30 400.0 31 400.0 32 400.0 33 400.0 33 400.0 33 400.0 33 400.0 34 200.0 35 400.0 36 400.0 37 400.0 38 400.0 37 400.0 38 400.0 37 400.0 38 400.0 39 250.0 40 400.0 41 400.0 41 400.0 42 400.0 43 400.0 44 400.0 45 400.0 46 400.0 47 400.0 48 400.0 48 400.0 59 400.0 51 500.0 51 500.0 52 370.0 53 400.0 55 500.0 55 500.0 55 500.0 55 500.0 55 500.0 55 500.0 55 500.0 55 500.0 56 160.0 57 400.0 58 400.0 59 400.0	7,520.0 7,720.0		3.70	8.94	5.24	19.6				4010.0	43280.0		3510	11877	38600	
21 400.0 22 400.0 23 400.0 24 400.0 25 400.0 26 400.0 27 400.0 28 400.0 29 400.0 31 400.0 31 400.0 32 400.0 33 400.0 33 400.0 33 400.0 33 400.0 33 400.0 34 200.0 36 400.0 37 400.0 38 400.0 37 400.0 38 400.0 40 400.0 41 400.0 42 400.0 43 400.0 44 400.0 45 400.0 46 400.0 47 400.0 48 400.0 49 400.0 50 500.0 51 500.0 52 370.0 53 400.0 55 400.0 55 400.0 55 500.0 55 500.0 55 500.0 55 500.0 55 500.0 55 500.0 55 500.0 55 500.0 56 160.0 57 400.0 58 400.0 59 400.0 58 400.0 59 400.0 59 400.0 50 59 400.0 56 400.0 57 400.0 58 400.0 59 400.0 59 400.0 50 59 400.0 50 59 400.0 50 59 400.0 51 500.0 55 400.0 56 160.0 57 400.0 58 400.0 59 400.0 59 400.0 50 50 400.0 50 50 400.0 50 50 400.0 51 500.0 55 400.0 56 160.0 57 400.0 58 400.0 59 400.0 59 400.0 50 50 400.0 50 400.0 50 400.0 51 400.0 52 400.0 53 400.0 54 400.0 55 400.0 56 400.0 57 400.0 58 400.0 59 400.0 59 400.0 50 400.0	8,120.0		3.02	8.95	5.93	21.8				8280.0	51560.0	21.8	8280	12705		
22 400.0 23 400.0 24 400.0 25 400.0 26 400.0 27 400.0 28 400.0 29 400.0 30 400.0 31 400.0 32 400.0 33 400.0 33 400.0 33 400.0 33 400.0 36 400.0 37 400.0 38 400.0 39 250.0 40 400.0 41 400.0 42 400.0 41 400.0 42 400.0 43 400.0 44 400.0 45 400.0 47 400.0 48 400.0 49 400.0 50 500.0 51 500.0 52 370.0 53 400.0 55 400.0 55 400.0 55 400.0 55 400.0 57 400.0 58 400.0 59 400.0	8,520.0		2.94	8.97	6.03	22.1				8780.0	60340.0		8780	135833		
24         400.0           25         400.0           26         400.0           27         400.0           28         400.0           30         400.0           31         400.0           32         400.0           33         400.0           35         400.0           36         400.0           37         400.0           38         400.0           40         400.0           41         400.0           42         400.0           43         400.0           45         400.0           46         400.0           47         400.0           48         400.0           50         500.0           51         500.0           52         370.0           53         400.0           54         400.0           55         420.0           56         160.0           57         400.0           58         400.0           59         400.0           61         400.0           62         400.0 <td>8,920.0</td> <td>8,920.0</td> <td>2.58</td> <td>8.99</td> <td>6.41</td> <td>23.3</td> <td></td> <td></td> <td>111353.0</td> <td></td> <td><b></b></td> <td>23.3</td> <td>9080 9380</td> <td>144911 15429</td> <td></td> <td></td>	8,920.0	8,920.0	2.58	8.99	6.41	23.3			111353.0		<b></b>	23.3	9080 9380	144911 15429		
25 400.0 26 400.0 27 400.0 28 400.0 29 400.0 30 400.0 31 400.0 32 400.0 33 400.0 33 400.0 35 400.0 36 400.0 37 400.0 38 400.0 37 400.0 38 400.0 39 250.0 40 400.0 41 400.0 42 400.0 41 400.0 42 400.0 43 400.0 44 400.0 45 400.0 46 400.0 50 500.0 51 500.0 51 500.0 52 370.0 53 400.0 54 400.0 55 400.0 55 500.0 55 500.0 55 500.0 55 500.0 55 500.0 55 500.0 56 160.0 57 400.0 58 400.0 59 400.0 58 400.0 59 400.0 59 400.0 59 400.0 50 500.0 51 500.0 55 500.0 55 500.0 56 160.0 57 400.0 58 400.0 59 400.0 59 400.0 59 400.0 50 60 400.0 61 400.0 62 400.0 63 400.0 64 400.0 65 400.0 66 400.0 66 400.0 67 400.0 68 400.0	9,320.0		2.48	9.01	6.53	23.6		9380.0			}	23.6 22.8	9380	16357		-
26 400.0 27 400.0 28 400.0 29 400.0 30 400.0 31 400.0 31 400.0 32 400.0 33 400.0 33 400.0 33 400.0 33 400.0 36 400.0 37 400.0 38 400.0 37 400.0 38 400.0 41 400.0 41 400.0 42 400.0 43 400.0 44 400.0 45 400.0 46 400.0 50 500.0 51 500.0 51 500.0 52 370.0 53 400.0 55 400.0 55 400.0 55 400.0 56 160.0 57 400.0 58 400.0 59 400.0 59 400.0 60 400.0 61 400.0 62 400.0 63 400.0 64 400.0 65 400.0 66 400.0 66 400.0 67 400.0 66 400.0 67 400.0	9,720.0		2,77	9.02	6.25	22.8 23.1	2* 2*		130013.0 139193.0		ļ.———	23.1	9180	17275		DC-2
27 400.0 28 400.0 29 400.0 30 400.0 31 400.0 32 400.0 33 400.0 33 400.0 33 400.0 33 400.0 36 400.0 37 400.0 38 400.0 39 255.0 40 400.0 41 400.0 42 400.0 41 400.0 42 400.0 43 400.0 44 400.0 45 400.0 47 400.0 48 400.0 49 400.0 50 500.0 51 500.0 52 370.0 53 400.0 55 420.0 55 420.0 56 160.0 57 400.0 58 400.0 59 400.0 59 400.0 50 59 400.0 50 59 400.0 51 400.0 52 400.0 53 400.0 54 400.0 55 420.0 56 160.0 57 400.0 58 400.0 59 400.0 59 400.0 50 50 50 50 50 50 50 50 50 50 50 50 50 5	10,120.0 10,520.0		2.68 4.88	9.04	4.18	16.2	-		147053.0	77.0	1	13.2	7260	18001		
28	10,920.0		5.00	9.08	4.08	15.9	_		153473.0			12.9	5220	18523		
29 400.0 30 400.0 31 400.0 31 400.0 32 400.0 33 400.0 33 400.0 33 400.0 34 200.0 35 400.0 36 400.0 37 400.0 38 400.0 39 250.0 40 400.0 41 400.0 42 400.0 42 400.0 45 400.0 46 400.0 47 400.0 48 400.0 48 400.0 50 500.0 51 500.0 51 500.0 51 500.0 51 500.0 51 500.0 52 370.0 53 400.0 54 400.0 55 420.0 55 420.0 56 160.0 57 400.0 58 400.0 59 400.0 61 400.0 62 400.0 63 400.0 64 400.0 65 400.0 66 400.0 66 400.0 67 400.0 67 400.0	11,320.0		4.93	9.09	4.16	16.2	-		159893.0			13.2	5220	19045		
30 400.0 31 400.0 32 400.0 33 400.0 33 400.0 33 400.0 34 200.0 35 400.0 36 400.0 37 400.0 38 400.0 39 250.0 40 400.0 41 400.0 42 400.0 43 400.0 45 400.0 46 400.0 47 400.0 48 400.0 49 400.0 50 500.0 51 500.0 51 500.0 52 370.0 53 400.0 54 400.0 55 400.0 57 400.0 58 400.0 59 400.0 59 400.0 59 400.0 59 400.0 59 400.0 59 400.0 50 500.0 51 500.0 51 500.0 52 370.0 53 400.0 54 400.0 55 400.0 56 160.0 57 400.0 58 400.0 59 400.0 60 400.0 61 400.0 62 400.0 63 400.0 64 400.0 65 400.0 66 400.0 66 400.0 67 400.0 67 400.0	11,720.0		4.93	9.11	4.18	16.2			166373.0	1.74	11111	13.2	5280			
32 400.0 33 400.0 33 400.0 33+200 200.0 34 200.0 35 400.0 36 400.0 37 400.0 38 400.0 39 255.0 40 400.0 41 400.0 42 400.0 43 400.0 44 400.0 45 400.0 47 400.0 48 400.0 49 400.0 50 500.0 51 500.0 52 370.0 53 400.0 55 420.0 55 420.0 55 420.0 56 160.0 57 400.0 58 400.0 59 400.0 59 400.0 60 400.0 61 400.0 62 400.0 63 400.0 64 400.0 65 400.0 66 400.0 66 400.0 66 400.0 67 400.0 68 400.0	12,120.0	2,120.0	1.72	9.13	7.41	26.4	2*		174893.0			26.4	7920			
33 400.0 33+200 200.0 34 200.0 35 400.0 35 400.0 36 400.0 37 400.0 38 400.0 39 250.0 40 400.0 41 400.0 42 400.0 43 400.0 44 400.0 45 400.0 46 400.0 47 400.0 50 500.0 51 500.0 51 500.0 51 500.0 52 370.0 53 400.0 55 420.0 55 420.0 56 160.0 57 400.0 58 400.0 59 400.0 59 400.0 60 400.0 61 400.0 62 400.0 63 400.0 64 400.0 65 400.0 66 400.0 66 400.0 67 400.0 68 400.0	12,520.0		1.73	9.15	7.42	26.4	2*		185453.0	10380.0	70720.0	26.4 25.5	10560 10380			
33+200 200.0 34 200.0 35 400.0 35 400.0 36 400.0 37 400.0 38 400.0 39 250.0 40 400.0 41 400.0 42 400.0 44 400.0 45 400.0 46 400.0 47 400.0 50 500.0 51 500.0 51 500.0 51 500.0 51 500.0 51 500.0 52 370.0 53 400.0 55 420.0 56 160.0 57 400.0 58 400.0 59 400.0 60 400.0 61 400.0 62 400.0 63 400.0 64 400.0 65 400.0 66 400.0 66 400.0 67 400.0 68 400.0	12,920.0		2.04	9.16	7.12	25.5 18.2	2*		<del> </del>	8740.0			8140			
34 200.0 35 400.0 36 400.0 37 400.0 37 400.0 38 400.0 39 250.0 40 400.0 41 400.0 42 400.0 43 400.0 45 400.0 46 400.0 47 400.0 48 400.0 50 500.0 51 500.0 51 500.0 52 370.0 53 400.0 54 400.0 55 420.0 56 160.0 57 400.0 58 400.0 59 400.0 60 400.0 61 400.0 62 400.0 63 400.0 64 400.0 65 400.0 66 400.0 66 400.0 67 400.0 68 400.0	13,320.0		4.37 5.50	9.18 9.19	4.81 3.69	13.2	*	<del> </del> -		3135.0			2185	23491		
35 400.0 36 400.0 37 400.0 38 400.0 39 250.0 40 400.0 41 400.0 41 400.0 42 400.0 43 400.0 45 400.0 46 400.0 47 400.0 48 400.0 50 500.0 51 500.0 52 370.0 53 400.0 54 400.0 55 400.0 56 160.0 57 400.0 58 400.0 59 400.0 59 400.0 60 400.0 61 400.0 62 400.0 63 400.0 64 400.0 65 400.0 66 400.0 67 400.0 68 400.0	13,520.0		6.63	9.20	2.57	8.1	•	<del> </del>		2125.0			1475		3 68600	
36 400.0 37 400.0 38 400.0 39 250.0 40 400.0 41 400.0 42 400.0 43 400.0 44 400.0 45 400.0 47 400.0 48 400.0 50 500.0 51 500.0 52 370.0 53 400.0 54 400.0 55 400.0 56 160.0 57 400.0 58 400.0 59 400.0 60 400.0 61 400.0 62 400.0 63 400.0 64 400.0 65 400.0 66 400.0 67 400.0 68 400.0	14,120.0		7.01	9.22	2.21	7.0	*			3020.0						
38 400.0 39 250.0 40 400.0 41 400.0 41 400.0 42 400.0 43 400.0 45 400.0 46 400.0 47 400.0 50 500.0 51 500.0 52 370.0 53 400.0 55 420.0 56 160.0 57 400.0 58 400.0 59 400.0 60 400.0 61 400.0 62 400.0 63 400.0 64 400.0 65 400.0 66 400.0 66 400.0 67 400.0 68 400.0	14,520.0		4,38	9.23	4.85	2017	•		L	5060.0						i
39 250.0 40 400.0 41 400.0 41 400.0 42 400.0 43 400.0 44 400.0 45 400.0 46 400.0 47 400.0 50 500.0 51 500.0 51 500.0 52 370.0 53 400.0 54 400.0 55 420.0 56 160.0 57 400.0 58 400.0 59 400.0 60 400.0 61 400.0 62 400.0 63 400.0 64 400.0 65 400.0 66 400.0 67 400.0 68 400.0	14,920.0		1.61	9.25	7.64	27.2	2*	ļ	ļ	9100.0	+					
40 400.0 41 400.0 42 400.0 43 400.0 44 400.0 45 400.0 46 400.0 47 400.0 48 400.0 50 500.0 51 500.0 52 370.0 53 400.0 54 400.0 55 400.0 56 160.0 57 400.0 58 400.0 59 400.0 59 400.0 60 400.0 61 400.0 62 400.0 63 400.0 64 400.0 65 400.0 66 400.0 66 400.0 67 400.0 68 400.0	15,320.0		2.78	9.27	6.49	23.5		ļ ——	ļ	10140.0 3937.5						
41 400.0 42 400.0 43 400.0 44 400.0 45 400.0 46 400.0 47 400.0 48 400.0 50 500.0 51 500.0 52 370.0 53 400.0 54 400.0 55 420.0 56 160.0 57 400.0 58 400.0 59 400.0 60 400.0 61 400.0 62 400.0 63 400.0 64 400.0 65 400.0 66 400.0 66 400.0 67 400.0 68 400.0	15,570.0		6.76	9.28	2.52 2.34	8.0 7.4	-	3080.0	188533.0		11.3577.	2.4				
42 400.0 43 400.0 44 400.0 45 400.0 47 400.0 48 400.0 50 500.0 51 500.0 52 370.0 53 400.0 54 400.0 55 420.0 56 160.0 57 400.0 58 400.0 59 400.0 60 400.0 61 400.0 62 400.0 63 400.0 64 400.0 65 400.0 66 400.0 66 400.0 66 400.0 66 400.0 66 400.0 66 400.0 67 400.0 68 400.0	15,970.0 16,370.0		6.96 4.66	9.30	4.65	17.7	_		193553.0			14.7			1 81850	]
43 400.0  44 400.0  45 400.0  46 400.0  47 400.0  48 400.0  50 500.0  51 500.0  52 370.0  53 400.0  54 400.0  56 160.0  57 400.0  58 400.0  59 400.0  60 400.0  61 400.0  62 400.0  63 400.0  64 400.0  65 400.0  66 400.0  67 400.0  68 400.0	16,770.0		5.46	9.33	3.87	12.2			199533.0	-		12.7	5380			
44 400.0 45 400.0 46 400.0 47 400.0 48 400.0 50 500.0 51 500.0 52 370.0 53 400.0 55 420.0 56 160.0 57 400.0 58 400.0 59 400.0 60 400.0 61 400.0 62 400.0 63 400.0 64 400.0 65 400.0 66 400.0 66 400.0 67 400.0 68 400.0	17,170.6		2.76	9.35	6.59	23.8	2	7200.0	206733.0			23.8				
46 400.0 47 400.0 48 400.0 49 400.0 50 500.0 51 500.0 52 370.0 53 400.0 54 400.0 55 420.0 56 160.0 57 400.0 58 400.0 59 400.0 60 400.0 61 400.0 62 400.0 63 400.0 64 400.0 65 400.0 66 400.0 66 400.0 67 400.0 68 400.0	17,570.0	17,570.0	1.96	9.37	7.41	26.4			<u> </u>	10040.0						
47 400.0 48 400.0 49 400.0 50 500.0 51 500.0 52 370.0 53 400.0 54 400.0 55 420.0 56 160.0 57 400.0 58 400.0 59 400.0 60 400.0 61 400.0 62 400.0 63 400.0 64 400.0 65 400.0 66 400.0 66 400.0 67 400.0 68 400.0	17,970.0	17,970.0	0.86		8.52	30.0			<u> </u>	11280.0			*			
48 400.0 49 400.0 50 500.0 51 500.0 51 500.0 52 370.0 53 400.0 54 400.0 55 420.0 56 160.0 57 400.0 58 400.0 60 400.0 61 400.0 62 400.0 63 400.0 64 400.0 65 400.0 66 400.0 67 400.0 68 400.0		18,370.0	1.06		8.34	29.4			<del> </del>		0 149177. 0 160557.					
49 400.0 50 500.0 51 500.0 51 500.0 52 370.0 53 400.0 55 420.0 56 160.0 57 400.0 58 400.0 59 400.0 61 400.0 62 400.0 63 400.0 64 400.0 65 400.0 65 400.0 66 400.0 67 400.0		18,770.0	1.66	9.42	7.76	27.5 27.3			<del> </del>		0 171517.		· · · · · · · · · · · · · · · · · · ·			
50 500.0 51 500.0 52 370.0 53 400.0 54 400.0 55 420.0 56 160.0 57 400.0 58 400.0 59 400.0 61 400.0 62 400.0 63 400.0 64 400.0 65 400.0 66 400.0 67 400.0 68 400.0		19,170.0 19,570.0	1.76 1.46	9.44 9.45	7.68	28.3			<del> </del>		0 182637.		<del></del>			
51 500.0 52 370.0 53 400.0 54 400.0 55 420.0 56 160.0 57 400.0 58 400.0 59 400.0 61 400.0 62 400.0 63 400.0 64 400.0 65 400.0 66 400.0 67 400.0 68 400.0		20,070.0	2.16	9.48	7.32	26.1					0 196237.	5 26.	13600			-
52 370.0 53 400.0 54 400.0 55 420.0 56 160.0 57 400.0 58 400.0 59 400.0 60 400.0 61 400.0 62 400.0 63 400.0 64 400.0 65 400.0 66 400.0 67 400.0 68 400.0		20,570.0	4.46	9.50	5.04	18.9	2*	1		11250.						-4
54 400.0 55 420.0 56 160.0 57 400.0 58 400.0 59 400.0 60 400.0 61 400.0 62 400.0 63 400.0 64 400.0 65 400.0 66 400.0 67 400.0 68 400.0		20,940.0	3.09	9.51	6.42	23.3			<u> </u>	7807.	0 215294			<del> </del>	<del>.</del>	
55 420.0 56 160.0 57 400.0 58 400.0 59 400.0 60 400.0 61 400.0 62 400.0 63 400.0 64 400.0 65 400.0 66 400.0 67 400.0 68 400.0		21,340.0	4.59	9.53	4.94	18.6		8380.0	215113.0		0 222454	15. 5 14.				-
56 160.0 57 400.0 58 400.0 59 400.0 61 400.0 62 400.0 63 400.0 64 400.0 65 400.0 66 400.0 67 400.0 68 400.0		21,740.0	5.06	9.55	4.49	17.2 25.2		<del> </del>	<del> </del>	7160. 8904.						<b>⊣</b> (
57 400.0 58 400.0 59 400.0 60 400.0 61 400.0 62 400.0 63 400.0 64 400.0 65 400.0 66 400.0 67 400.0 68 400.0		22,160.0	2.53 2.08	9.57 9.57	7.04	26.7			<del> </del>	4152			*****			
58 400.0 59 400.0 60 400.0 61 400.0 62 400.0 63 400.0 64 400.0 65 400.0 66 400.0 67 400.0 68 400.0		22,320.0 22,720.0	2.39	9.59	7.2	25.8	2.	1	<del> </del>	10500.	_			0 4185	14 11360	<u> </u>
59 400.0 60 400.0 61 400.0 62 400.0 63 400.0 64 400.0 65 400.0 66 400.0 67 400.0 68 400.0		23,120.0	237		7.24	25.9				10340.	0 256350	.5 25.				
60 400.0 61 400.0 62 400.0 63 400.0 64 400.0 65 400.0 66 400.0 67 400.0 68 400.0		23,520.0	2.78	9.63	6.85	24.6	21			10100.						4
62 400.0 63 400.0 64 400.0 65 400.0 66 400.0 67 400.0 68 400.0		23,920.0	7.26	9.64	2.38	7.5	-			6420.	0 272870					
63 400.0 64 400.0 65 400.0 66 400.0 67 400.0 68 400.0		24,320.0	2.38	9.66	7.28	26.0			0 221813.			26.				
64 400.0 65 400.0 66 400.0 67 400.0 68 400.0		24,720.0	4.73		4.95	18.6	-	-	0 230733.		+	15. 25.				
65 400.0 66 400.0 67 400.0 68 400.0		25,120.0	2.50		7.2	25.8 24.4			0 239613. 0 249653.		+	24.				_
66 400.0 67 400.0 68 400.0		25,520.0 25,920.0	2,95 7.29		6.76 2.44	7.7	-		0 256073.		1	2.		<del></del>		
67 400.0 68 400.0		26,320.0	7.55		2.2	6.9	•		0 258993.			1.				
68 400.0		26,720.0	6.89		2.88	9.1			0 262193.			9.				
	27,120.	27,120.0	7.01	***************************************	2.77	8.8	-		0 265773.			8.				
		27,520.0	9,80		0	0.0			0 267533.			0.				
				AVE	5.66			Total	= 26753	3 Total	= 2728	71	Total	= 4905	94 13760	N)
		. *		MAX MIN	8.52 2.2											

Table BQ 1.3: Greater Dhaka East - Base of BQ of Sub-Embankment

Each Sta	ge U=	80%
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Station	Distance	Accumulative Distance	Ground Elevation	Top of Embankment(m)	Embankment Height(m)	Design N	1st Stage(m)	2nd Stage(m)	3rd Stage(m)	Remarks
SA 0	0.0	0.0	6.90	8.62	1.72	4.00	1.72			
1	400.0	400.0	7.61	8.62	1.01	4.00	1.01			
2	400.0	800.0	6.16	8.62	2.46	4.00	2.46			
3	400.0	1,200.0	6.53	8.62	2.09	4.00	2.09			
4	400.0	1,600.0	5.59	8.62	3.03	4.00	3.03			
5	400.0	2,000.0	4.44	8.62	4.18	4.00	4.18	: .	<u> </u>	<u> </u>
6	400.0	2,400.0	4.07	8.62	4.55	2.00	3.67	0.88		
7:	400.0	2,800.0	4.54	8.62	4.08	2.00	3.67	0.41		·
8	400.0	3,200.0	4.26	8.62	4.36	2.00	3.67	0.69		·
9	400.0	3,600.0	6.44	8.62	2.18	4.00	2.18			
10	400.0	4,000.0	5.21	8.62	3.41	4.00	3.41			
11	400.0	4,400.0	4.09	8.62	4.53	2.00	3.67	0.86		
12	400.0	4,800.0	4.18	8.62	4.44	2.00	3.67	0.77		
13	400.0	5,200.0	5.63	8.62	2.99	2.00	2.99			
14	400.0	5,600.0	6.64	8.62	1.98	4.00	1.98			
15	400.0	6,000.0	6.35	8.62	2.27	4,00	2.27			
16	400.0	6,400.0	8.12	8.62	0.50	4.00	0.50			
				AVE	3.11	m		2000.0		
				MAX	4.55			0.3		•
			:	MIN	0.50				1 1	

Station	Distance	Accumulative Distance	Ground Elevation	Top of Embankment	Embankment Height	Design N	1st Stage	2nd Stage	3rd Stage	
SB 0	0.0	0.0	3.87	8.33	4.46	2.00	3.67	0.79		
1	360.0	400.0	2.51	8.33	5.82	2.00	3.67	2.15		
2	400.0	760.0	2.30	8.33	6.03	2.00	3.67	2.36		
3	400.0	1,160.0	2.55	8.33	5.78	2.00	3.67	2.11		
4	400.0	1,560.0	1.57	8.33	6.76	2.00	3.67	2.88	0.21	
5	400.0	1,960.0	2.95	8.33	5.38	2.00	3.67	.1.71		
6	400.0	2,360.0	3.70	8.33	4.63	2.00	3.67	0.96		
7	400.0			8.33	3.75	2.00	3.67	0.08		
8	350.0	3,160.0	4.91	8.33	3.42	2.00	3.42			
9	400.0	3,510.0	4.65	8.33	3.68	2.00	3.67	0.01		
10	400.0	3,910.0	5.39	8.33	2.94	5.00	2.94			
11	400.0	4,310.0	6.09	8.33	2.24	5.00	2.24			
12	400.0	4,710.0	6.57	8.33	1.76	7.50	1.76	1444		
17.				AVE MAX MIN	4.72 6.76 1.76			3335.0 0.7	400.00 0.1	

Station	Distance	Accumulative	Ground	Top of	Embankment	Design	İst	2nd	3rd	
100		Distance	Elevation	Embankment	Height	N	Stage	Stage	Stage	
SC 0	0.0	0.0	3.36	8.21	4.85	4.00	4.85			
i	500.0	500.0	2.76	8.21	5.45	4.00	5.45			
2	500.0	1,000.0	4.53	8.21	3.68	4.00	3.68			
3	500,0	1,500.0	4.09	8.21	4.12	4.00	4.12			
4	500.0	2,000.0	3.94	8.21	4.27	4.00	4.27			
5	500.0	2,500.0	4.29	8.21	3.92	4.00	3.92			
6	500.0	3,000.0	3.12	8.21	5.09	2.00	3.67	1.42		
7	500.0	3,500.0	2.83	8.21	5.38	2.00	3.67	1.71	1	
8	500.0	4,000.0	2.03	8.21	6.18	2.00	3.67	2.51		
9	500.0	4,500.0	2.58	8.21	5.63	2.00	3.67	1.96		
10	500.0	5,000.0	2.49	8.21	5.72	2.00	3.67	2.05		
11	500.0	5,500.0	2.66	8.21	5.55	2.00	3.67	1.88		
12	500.0			8.21	6.11	2.00	3.67	2.44		
13	310,0			8.21	5.29	2.00	3.67	1.62		
				AVE	5.48			3556.0		
				MAX	6.18			0.6		
•				MIN	3.68			1		1

Table BQ 1.4(1): Greater Dhaka East - BQ of Sub-Embankment (Emb, Foundation & Land)

Station	Distance	Accumulative	Ground	Top of	Embankment	Arca	Emb.	Accum.	B. Width	Land Area	Accum.	Foundation .T
No		Distance	Elevation	Embankment	Height	4	Volume	Volume	(m)	(m2)	Area	Arca
	(m)	(m)	(pwd)	(pwd)	(m)	(m2)	(m3):	(m3)	B+30m	L*(B+30)	(m2)	(m2)
SA 0	0.0	Charles of the same of the same of	6.90	8.59	1.69	18.8			44.3			
1	400.0		7.61	8.59	0.98	10.1	5780.0	5780.0	40.1	16880		
2	400.0		6.16	8.59	2.43	31.0	8220.0	14000.0	48.8	17780		
3	400.0	the same of the sa	6.53	8.59	2.06	24.5	11100.0	25100.0	:46.5	19060		
4	400.0	Contract of the last of the la	5.59	8.59	3.00	42.7	13440.0	38540.0	52.2	19740		
5	400.0			8.59	4.15	73.2	23180.0	61720.0	65.1	23460	96920	
6	400.0			8.59	4.52	86.6	31960.0	93680.0	67.3	26480	123400	
7	400.0			8.59	4.05	69.7	31260.0	124940.0	64.5	26360	149760	14360
8	400.0				4.33	79.6	29860.0	154800.0	66.2	26140	175900	14140
9	400.0				2.15	26.0	21120.0	175920.0	47.1	22660	198560	
10	400.0			8.59	3.38	51.5	15500.0	191420.0	54.5	20320	218880	
11	400.0				4.50	85.9	27480.0	218900.0	67.2	24340	243220	12340
12	400.0		<del></del>		4.41	82.5	33680.0	252580.0	66.6	26760	269980	14760
13	400.0				2.96	41.8	24860.0	277440.0	51.9	23700	293680	
14	400.0				1.95	22.7	12900.0	290340.0	45.9	19560	313240	
15	400.0	\$ 16-16-16-16-16-16-16-16-16-16-16-16-16-1	<del></del>		2.24	27.5	10040.0	300380.0	47.6	18700	331940	
16	400.0				0.47	5.8	6660.0	307040.0	37.0	16920	348860	
10	1 400.0	0,400.0	I	1		<del> </del>	*γ <sub>*</sub>		<u> </u>	Total=	348860	70080
	•			Ave.H=	2.90	·	• •					
					*							[

Station	Distance	Accumulative	Ground	Top of	Embankment	Arca	Emb.	Accum,	B. Width	Land Arca	Accum.	Foundation .1
Outton	4.5 75 5	Distance	Elevation	Embankment	Height		Volume	Volume	(m)	(m2)	Arca	Area
	1.75		(pwď)	(pwd)	(m)	(m2)	(m3)	(m3)	B+30m	L*(B+30)	(m2)	(m2)
SB 0	0.0	0.0		8.33	4.46	91.7		1.2	68.8			<u></u>
1	360.0			8.33	5.82	152.4	43938.0	43938.0	81.9	27126	27126	
2	400.0			8.33	6.03	163.0	63080.0	107018.0	83.2	33020	60146	
3	400.0			8.33	5.78	150.4	62680.0	169698.0	81.7	32980	93126	
4	400.0				6.76	202.0	70480.0	240178.0	87.6	33860	126986	21860
5	400.0			8.33	5.38	131.0	66600.0	306778.0	79.3	33380	160366	
6	400.0				4.63	98.4	45880.0	352658.0	69.8	29820	190186	17820
7	400.0			8.33	3.75	66.4	32960.0	385618.0	61.5	26260	216446	14260
8	350.0			8.33	3.42	56.4	21490.0	407108.0	59.5	21175	237621	<del></del>
9	400.0	· · · · · · · · · · · · · · · · · · ·		8.33	3.68	64.2	24120.0	431228.0	61.1	24120	261741	12120
10	400.0			8.33	2.94	42.9	21420.0	452648.0	56.6	23540	285281	<u> </u>
11	400.0	-		8.33	2.24	27.0	13980.0	466628.0	47.4	20800	306081	<u> </u>
12	400.0				1.76	19.3	9260.0	475888.0	44.6	18400	324481	<u> </u>
	100.0	L					*٧=	405920		Total=	324481	145766
				Ave.H=	4.36							
		•			•							

			1									<del></del>
Station	Distance	Accumulative	Ground	Top of	Embankment	Arca	Emb.	Accum.	B. Width	Land Area	Accum.	Foundation.
		Distance	Elevation	Embankment	Height	,	Volume	Volume	(m)	(m2)	Area	Атеа
1	1 T		(pwd)	(pwd)	(m)	(m2)	(m3)	(m3)	B+30m	L*(B+30)	(m2)	(m2)
SC 0	0.0	0.0	3.36	8.20	4.84	107.3	- R.H.		71.1			
1	500.0	500.0	2.76	8.20	5.44	134.4	60425.0	60425.0	79.7	37700	37700	
2	500.0		4.53	8.20	3.67	64.2	49650.0	110075.0	61.1	35200	72900	
3	500.0			8.20	4.11	78.9	35775.0	145850.0	66.7	31950	104850	
4	500.0			8.20	4.26	84.4	40825.0	186675.0	67.6	33575	138425	
5	500.0			8.20	3.91	71.9	39075.0	225750.0	62.5	32525	170950	
6	500.0			8.20	5.08	117.6	47375.0	273125.0	77.5	35000	205950	2000X
7	500.0		2.83		5.37	131.0	62150.0	335275.0	79.3	39200	245150	24200
8	500.0				6.17	170.8	75450.0	410725.0	84.1	40850	286000	25850
9	500.0			8.20	5.62	143.0	78450.0	489175.0	80.8	41225	327225	2622
10	500.0				5.71	147.5	72625.0	561800.0	81.3	40525	367750	2552
11	500.0			8.20	5.54	139.2	71675.0	633475.0	80.3	40400	408150	25400
12	500.0			8.20	6.10	167.1	76575.0	710050.0	83.7	41000	449150	26000
13	310.0			8.20	5.28	126.8	45554.5	755604.5	78.7	25172	474322	1587
7							*V=	664850		Total≂	474322	18907
				Ave.H≠	5.08					,		
												T.

Note:

Foundation T.Areax0.6mx0.8

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Table BQ 1.4(2): Greater Dhaka East BQ of Sub-Embankment (Sodding & Brick Soling))

Station	Distance	Accumulative	Ground	Top of	Emb.	Slope (U)	Sodding	Accum.	Slope(D)	Sodding	Accum.	Accm.Brick
DMIII		Distance	Elevation	Emb.	Height	(-Berum)		Sodding	(-Berm)		-	Soling(Berm*2)
			(pwd)	(pwd)	(m)	(m)	(m2)	(m2)	(m)	(m2)	(m2)	(m2)
SA O	0.0	0.0	6.90	8.59	1.69	2.4			2.4			
240-	400.0		7.61	8.59	0.98	0.2	520.0	520.0	0.2	520	520	
	400.0	800.0		8.59	2.43	4.8	1000.0	1520.0			1520	
- 3	400.0			8.59	2.06	3.6	1680.0	3200,0	3.6		3200	
4	400.0			. 8.59	3.00	6.6	2040.0	5240.0				
- 5	400.0			8.59	4.15	13.2	3960.0	9200.0	13.2			
6	400.0			8.59	4.52	14.4	5520.0	14720.0		<u></u>		
	400.0			8.59	4.05	12.9	5460.0	20180.0	12.9		20180	
8	400.0		4.26	8.59	4.33	13.8	5340.0					
9	400.0			8.59	2.15	3.9	3540.0	29060.0				
10	400.0			8.59	3.38	7.8	2340.0	31400.0				
11	400.0			8.59	4.50	14.3	4420.0	35820.0	14.3			
12	400.0			8.59	4.41	14.0	5660.0	41480.0	14.0			
13	400.0			8.59	2.96	6.5	4100.0	45580.0	6.5			·
14	400.0			8.59	1.95	3.3	1960.0	47540.0	3.3	1960		
15	400.0			8.59	2.24	4.2	1500.0	49040.0	4.2	1500	<del></del>	<del></del>
16	400.0			8.59	0.47	1.6	1160.0	50200.0	1.6	1160	50200	38400
10	100.0						Total=	50200		Total=	50200	38400
				Avc.H=	2.90							;
		4. 4.				3.0				·		

Station	Distance	Accumulative Distance	Ground Elevation (pwd)	Top of Emb. (pwd)	Emb. Height (m)	Slope (U) (-Berum) (m)	Sodding (m2)	Accum. Sodding (m2)	(-Berm) (m)	Sodding (m2)	Accum. Sodding (m2)	Accm.Brick Soling(Berm*2) (m2)
SB 0	0.0	0.0	3.87	8.33	4.46	14.1			16.1			
1	360.0		2.51	8.33	5.82	18.4	5850.0	5850.0				
2	400.0			8.33	6.03	19.1	7500.0	13350.0	24.1	9500.0		
3	400.0			8.33	5.78	18.3	7480.0	20830.0	23.3	9480.0		
4	400.0			8.33	6.76	21.4	7940.0	28770.0	26.4	9940.0	36030	
5	400.0			8.33	5.38	17.0	7680.0	36450.0	22.0	9680.0	45710	
6	400.0				4.63	14.6	6320.0	42770.0	16.6	7720.0	53430	
7	400.0		\$	8.33	3.75	8.9	4700.0	47470.0	13.9	6100.0	59530	16560
8	350.0			8.33	3.42	7.8	2922.5	50392.5	12.8	4672.5	64202.5	18660
9	400.0			8.33	3,68	8.6	3280.0	53672.5	13.6	5280.0	69482.5	21060
10	400.0		ļ	8.33	2.94	6.3	2980.0	56652.5	11.3	4980.0	74462.5	23460
	400.0			8.33	2.24	4.1	2080.0	58732.5	4.1	3080.0	77542.5	25860
11		<del></del>		8.33	1.76	2.6	1340.0	60072.5	2.6	1340.0	78882.5	28260
12	400.0	4,730.0	0.37	6.33	1 2.70	<del>                                     </del>	Total=			Total≔	78883	28260
		· .	7 (b) (1)	Avc.H=	4.36							

			100			•						
Station	Distance	Accumulative	Ground	Top of	Emb.	Slope (U)	Sodding	Accum.	Slope(D)	Sodding	Accum.	Acem.Brick
Omnon	Distance	Distance	Elevation	Emb.	Height	(-Bcrum)		Sodding	(-Berm)		Sodding	Soling(Berm*2)
		Distance	(pwd)	(pwd)	(m)	(m)	(m2)	(m2)	(m)	(m2)	(m2)	(m2)
SC 0	0.0	0.0		8.20	4.84	18.3			20.3			
1	500.0			8.20	5.44	20.2	9625.0	9625.0	25.2	11375	11375	
2	500.0			8.20	3.67	11.6	7950.0	17575.0	16.6	10450	21825	
3	500.0			8.20	4.11	16.0	6900.0	24475.0	18.0	8650	30475	
4	500.0			8.20	4.26	16.5	8125.0	32600.0	18.5	9125	39600	12000
5	500.0			8.20	3.91	12.4	7225.0	39825.0	17.4	8975	48575	15000
6	500.0			8.20	5.08	19.1	7875.0	47700.0	24.1	10375	58950	18000
7	500.0	<del></del>		8.20	5.37	20.0	9775.0	57475.0	25.0	12275	71225	21000
8	500.0		<del></del>	8.20	6.17	22.5	10625.0	68100.0	27.5	13125	84350	24000
9	500.0			8.20	5.62	20.8	10825.0	78925.0	25.8	13325	97675	27000
10	500.0			8.20	5.71	21.1	10475.0	89400.0	26.1	12975	110650	
11	500.0		<del></del>	8.20	5.54	20.5	10400.0	99800.0	25.5	12900	123550	33000
12	500.0			8.20	6.10	22.3	10700.0	110500.0	27.3	13200	136750	36000
13	310.0		<del></del>	8.20	5.28	19.7	6510.0	117010.0	24.7	8060	144810	37860
		01230.0				<u> </u>	Total=	117010		Total=	144810	37860
				Ave.H=	5.08							
									30.0			
				: .								<u> </u>

Table BQ 1.5: Summary, of B.Q (Embankment-Dhaka & N.West)

Area	44 4 4	Dhaka East					N.West	
	DC-1	DC-2	DC-3	DC-4	Total	NW	NE	Total
1. Embankment.(m3)								.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
A.Main Embankment	1,898,550	760,123	371,481	400,032	3,430,186	161,641	517,392	679,033
B. Sub Embankment	273,402		405,920	664,850	1,344,172			
Sub. Total	2,171,952	760,123	777,401	1,064,882	4,774,358	161,641	517,392	679,033
2.Land Aquisition (m2)	ļ							***************************************
A.Main Embankment	1,067,422	484,110	247,301	323,271	2,122,104	285,839	587,107	872,946
B. Sub Embankment	348,860		324,481	474,322	1,147,663			
Sub. Total	1,416,282	484,110	571,782	797,593	3,269,767	285,839	587,107	872,946
3, Foundation. Treatment (m	2)							
A.Main Embankment	458,697	290,755	151,451	81,881	982,784		48,475	48,475
B. Sub Embankment	70,080	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	145,766	189,072	404,918			
Sub. Total	528,777	290,755	297,217	270,953	1,387,702		48,475	48,47
5.Reverment (m2)		1:						
A.Main Embankment	190,276	43,325	39,270		272,871		95,910	95,910
B. Sub Embankment								
Sub. Total	190,276	43,325	39,270	***************************************	272,871		95,910	95,91
4. Sodding (m2)				***************************************				
A. Main Embankment	337,756	202,835	85,015	132,521	758,127	88,422	118,135	206,55
B. Sub Embankment	100,400		138,956	261,820	501,176			<del></del>
Sub. Total	438,156	202,835	223,971	394,341	1,259,303	88,422	118,135	206,55
5. Brick Soling (m2)								
A.Main Embankment	70,000	30,000	14,850	22,750	137,600	19,995	51,750	71,74
B. Sub Embankment	38,400	:	28,260	37,860	104,520			
Sub. Total	108,400	30,000	43,110	60,610	242,120	19,995	51,750	71,74

TABLE BQ 1.6: Dhaka East-B.Q of Flood Wall (R)

	ı————		F3 - 3 337-33	P.C.C.	V	Even	Foot Pro	tection 1	Back	
		Accum.Dist	Flod Wall Height	R.C.C Volume	Form Work	Exca- vation	Area	Volume	Filling	Remarks
Station	Distance	Accum.Dist m	m	m3	m2	m3	m2	m3	m3	
	m							_	_	
R O	0	0							ا د	
RI	270	270	0.30	41	324	68	-	-	54	
R 2	1000	1270	0.40	200	1600	300	-	•	200	
R 3	1000	2270	0.40	200	1600	300		-	200	
R 4	1000	3270	0.50	220	200	350		-	300	
R 5	1000	4270	0.40	200	1600	300	-		200	DC-4
R 6	1000	5270	ing.			-	-	-	-	
R 7	1000	6270	1.10	450	4400	1000	- 1	•	800	
R 8	1000	7270	0.90	375	3600	900	-	٠, ١	600	
R8+800		8070	0.80	280	2700	560			400	
	1		4.80	1966.00		3778.00			2754.00	
Sub-Tota			4.60	1900.00	10024.00	3770.00		:		
					240		10.5	12500	90	
R 9	200	8270	0.70	60	560	120	12.5	12500		
R 10	1000	9270	. 1.10	450	4400	100	*	*		DC-3
R 11	1000	10270	0.70	300	2800	600	-	-	450	
R11+30	300	10570	0.70	90	840	180		<del></del>	135	
Sub-Totz	1		3.20	900.00	8600.00	1000.00	12.50	12500.00	1475.00	<b>1</b>
ļ				İ						
R 12	700	11270	0.70	210	1960	420		•	315	
R 13	1000	12270	1.00	400	4000	900	-	-	700	
R 14	1000	13270	1.00	400	4000	900	_	-	700	DC-2
	1000	14270	1.00					_		
R 15			0.80	250	3200	700	10.5	10500	500	
R 16		15270	0.80	350	1: "		10.5	10500	75	
R16+15	0 150	15420	0.80	50	480	100	1.0.50	10500.00		<u></u>
Sub-Tot	al		4.30	1410.00	13640.00	3020.00	10.50	10500.00	2290.00	1
			Ì							
R 17	850	16270	0.70	255	2380	500	12.0	12000	380	
R 18	1000	17270	0.70	300	2800	600	4.0	4000	450	
R 19	1000	18270	0.60	250	2400	500	-	-	350	DC-1
R 20	1	19270	0.40	200	1600	300	.		200	
R 21	1	20270	0.60	250	2400	500	-	-	350	
	and the second	21270				_			-	
R 22	1000		]							
1 1		21270	<del>                                     </del>	1077.55	1.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	104000	1,000	16000 00	1720 0	,
Sub-Tot		21000	3.00	1255.00	7	~~~~		16000.00 39000	1730.00 8249	,
Total:		21270	15.	3 5531	49844	10198	1 39	1 23000	1 0249	L

Table BQ 1.7(1) Main Feature of Proposed Sluice Gate: Dhaka. East

No.	Sta. No.	Mark	Dimens	ions of	Culvert			Inlet	انتستند		Outlet				O.Bridge	Khal	Remarks
110.	D. (	(Khal No.)	В	Н	L	N	B1	L1	B2	В3	В4	B5	1.2	L3	LA .	Dimension	
:		O(m3/s)	(m)	(m)	(m)		(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(b1,b2,h1)	
Gre	ater Dhaka Eas											**					
						_				ا مد غ	10.00	منمدا	10.00	10.00	15.00	2.00	
1	E68 + 150	14	2.20	2.20	36.00	2	5.10	10.00	22.00	3.40	10.20	12.00	12.00	10.00	13.00	20.20	412112241141141111444
-		(KD-4)														4.55	
		22.57		,	- 4											:	
		15	2.20	2.20	34.00	3	8 00	10.00	25.00	8.60	13.40	15.40	12.00	10.00	15.00	5.00	
2	ESS.	(KD-3)	14.20		1.57.00.				1.2.2.							23.20	
		37.34														4.55	
		77.5				:											
3	E43 + 320	16	3.00	3.00	45.00	4	14.10	10.00	43.00	15.00	19.80	21.80	12.00	10.00	20.00		With Pump
		(KD-1)	† · · · · · · · · · · · · · · · · · · ·		ĵ		[					1				40.80	P5 : (25.2 M3/
		83.18	1			1				]	İ					5.20	
		1 :	1												1	27.00	Pump
4	E28 + 150	17	2.80	2,80	45.00	6	20.30	10.00	51.20	23.00	28.00	30.00	12.00	10.00	20.00	27.00 49.00	
		(KD-5)				İ			[ .							5.50	,
		114.61	1		1				'					1	1	3.50	
			l			. ,		1,50	ادران	24.20	na ec	31.00	12.00	10.00	19.00	28.50	Pump
5	E11 + 340	18A	3.00	3.00	43.50	ļ <u>s</u>	141.85	110.00	34.00	24.20		137.00	12.00	LAMINY			P7A : (53.1 m3
		(KD-11)	1		1.					1						5.80	
		129.49													·[		4.4
_	E8 + 90	18B	3,00	3.00	43.50	6	21.50	10.0X	53.00	23.00	27.50	29.50	12.00	10.00	19.00	27.50	****************
		(KD 14)	1	1	1	<b>†</b>	1	1	1								P7B: (47.2 m3
	1	140.67	1:						1							5.80	·
				1.						ĺ							
-	SA.11+100	Sub-1	3.00	3.00	40.00	4.	14.20	4.50	22.00	14.20	16.00	22.00	4.50	10.00	15.00	16.00	
	1	(KD-5)	]							1			ľ	1		31.70	4
	1	83.2	1								1		.]			3.92	
					1	İ											

Table BQ 1.7(2) BQ OF SLUICE GATES :DHAKA EAST

Mark		Concrete			Sheet Pile		R.C Pile		Bed.	Excavation	Backfill
(Khal No.)	Inict	Mainbox	Obilet	Total			Per No.	Total L	Protection		
Q(m3/s)				m3	m2	No	m	m	m2	m3	m3
. Greater Dhaka I	East	9.79									
. 0104121 211-111		2.45									
14	132.19	433.44	83.91	649.54	312.60	64	19	1216	322	1396	665
(KD-4)											
22.57		9.57									
		2.45									
15	149.99	577.32	106.95	834.26	358.20	95	19	1796	384	1670	63
(KD-3)											
37.34		9.35						-			
-		-0.70								0505	007
16	259.59	1229.02	156.95	1645.56	506.40	202	19	3845	628	7597	277
(KD-1)										ļ	
83.18		9.10							ļ	ļ	
•		-1.00									
17	299.22	1699.50	214.34	2213.06	612.00	292	25	7300	792	10181	302
(KD-5)	7								<b> </b>	<del> </del>	
114.61		8.81								ļ	
		-1.30			L						210
18A	321.13	1726.75	223.19	2271.07	640.80	304	8	2434	830	11022	319
(KD-11)		10			I				<del> </del>	<del> </del>	
129.49		8.74			l		<u> </u>		ļ	<b> </b>	
•		-1.30	33 3							10010	319
18B	316.08	1726.02	213.39	2255.49	627.90	299	10	2986	805	10919	315
(KD-14)					<b> </b>				<del> </del>		
140.67		8.62			<del> </del>	<u> </u>		ļ	<del> </del>	<del> </del>	<del> </del>
		0.64			ļ		<u> </u>		1 20	4377	142
Sub-1	90.46	1082.40	.54.33	1227.19	430.20	158	: 10	1585	381	43//	144
(KD-5)					era e		<del> </del>		<b> </b>	<del> </del>	<del> </del>
83.2							<del> </del>		<del> </del>	+	<del> </del> -
					1		<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>
	1	l	L		<u>j</u>		1	<u> </u>	<u> </u>	<del></del>	<u> </u>

Table BQ 1.8 BQ of Pump Station: G.Dhaka East

m	-			 4-4 	<del></del>	<b>y</b> <		***	+	Ame	*		~	-	- p-4		F-14
	Mechanic.	& Electric.	(L.S)											****	•		
	Building		(C.S)	<del>yant</del>	,	<b>F</b> tred	:				<b>*</b>		7		•		1
	Operation	Bridge	(m2)	•	18	<b>6</b> 00 <b>€</b> 21		•	18	18	,		17		82	18	71
	Sodding		(m2)	2,380		2,380		2,060	•	2,060	1,490	ı	1,499	1 336		1,336	7,275
	Bed Protec.	(Brick)	(m2)	449		449		872	ţ	872	872		872	27.2	·	872	3,064
	Slope Bed Protec Bed Protec Sodding	(Block)	(m2)	 •	168	168		•	126	126	1	126	126		126	. 126	. 546
	Slope	Protec.	(m2)	 882	557	1,439		441	891	1,332	100			202			6,296
	Form		(m2)	6,815	1,850	8,665		13,078	2,698	15,777	13.020		,	13.022		1	55,655
	Re. Bar	·	Θ	379	76	454	<u>.                                   </u>	727	110	837	724			123			2,950
	Concrete Re. Bar		(m3)	3,786	841	4		7,266	1,226	8,492	7.238			7 234			29,939
ties	Sheet.P Leveling	Conc.	(m3)	204	123			377	167	544	377	163	540	277			1,943
Bill of Quantities	Sheet.P		(m2)	 63	198	264		131	201	331	[3]	707	331	121	198	329	1,255
Bill	R.C.Pile		(m)	 5,302	2,433	7,735		9,552	3,511	13,063	4 806	1,734	6,540	790 9	:		35,313
-	Васкпп		(m3)	3,394	1,152	4,546		5,430	1.438		13.026 7.061	2,065	9,126	7 730		,	30,611
	Exca Banking Backfill		(m3)	18,221	ı	18,221		24,226 17,882	•	17,882			13,026	34° 11		11,246	975,09
	Exca		(m3)	16,800	6,980	23,780		24,226	9.348	33,574	39 766	9,166	48,931	33 720	12.680	46,400	152,686
	Part			Pump Station (Q=25.6)	Stuice Way (2.3X2.3X2)	Sub Total		Pump Station (Q=54.6)	Sluice Way (2.7X2.7X3)	Sub Total	Pump Station (0=53.1)	Sluice Way (2.7X2.7X3)	Sub Total	Prima Station (O-47.2)	Sluice Way (2.5X2.5X2)	Sub Total	Total
	No.	Area (Khal No.)			Σ	( <del>CD-1</del> )			P6	(KD-5)		P7A	Ţ -:		P78	(KD-14)	
	Project	Area			22				DC-2			8-3			8		

Table BQ 1.9: BQ of Khal Improvement and Bridge: G.Dhaka East

					· 				-			
Zone	Khal	Khal	Open C	hannel	Covered	Chann	Bridge	Aqueduct	Banking	Dredging	Maintenance	Land
		Length	Brick	Sodding	Box	Brick					Road	Acquisition
			Protection		Culvert	Pipe	(places)	(places)				
	No.	(km)	(m2)	(m2)	(m)	(m)	•		(1000m3)	(1000m3)	(1000m2)	(ha)
				5,233					14.00	25.10	3.00	1.88
	KD-1-1	0.50		4.7		•	•	-	53.20	1 1	11.40	2.35
	KD-1-2	1.90	*	19,884	• .		_	· •	64.40		13.80	7.47
	KD-1-3	2.30		24,070	_	· -	-		47.60		10.20	6.72
	KD-1-4	1.70	•	17,791	-		-		1	1 1	6.00	2.93
DC-1	KD-1-5	1,00	-	10,465	-		-	-	28.00	1	8.40	1.66
	KD-2	1.40	-	14,255	· -	-	-	•.	39.20			3.88
	KD-3-1	1.30		14,708	-	-	٠.	•	36.40	1 1	7.80	3.85
	KD-3-2	1.40		15,839	-	-	-	· · ·	39.20		8.40	
	KD-4	1.20	16,971			-	-	*	33.60		7.20	1.63
	KD-5-6	1.00	-	11,031		-	-	•	28.00			4.40
	KD-5-7	1.40		15,047	-	-	-	•	39.20		8.40	5.18
	KD-10-1	2.00	- 1	21,496	-	-	3	-	56.00	i .		7.06
1	KD-10-2	2.10	27,323	-		-	5	٠	58.80	1	1	7.29
	Sub-Total	19.20	44,293	169,819	0	0	8	0	537.60	433.66	115.20	56.30
		<del></del>	<b> </b>			<del>                                     </del>	<del></del>		50.00	5.40 44	15.00	8.01
1.	KD-5-1	2.50		28,284		-	-	•	70.00		ł	3.18
1	KD-5-2	0.70	- 1	7,920	-	•	-	-	19.60	1	4.20	
	KD-5-3	1.40	-	15,839	-	-		•	39,20	1	8.40	
	KD-5-4	2.00	•	22,627	-	-			56.00	1	the state of the s	
DC-2	KD-5-5	2.20		24,890		-	~	-	61.60	1	1	
-	KD-6	1.80		19,856	-		-	-	50.40	1 .	4 .	
1 1 1	KD-7-1	1.60	-	18,102	-	-	-		44.80			, , ,
	KD-7-2	2.20	-	23,646	-	٠	-		61.60		4.5	
	KD-8	1.80	_	19,856	-	-	-	-	50.40		2	
	KD-9	1.00	-	11,031		-	- '	-	28.00	E .		1 1
	Sub-Tota	17.20	0	192,050	0	0	0	0	481.60	493.65	103.20	47.80
			<del> </del>			<del> </del>	<del> </del>		61.60	135.81	13.20	2.38
	KD-11-1	2.20		26,757	1 .		_	-	61,60		and the second second	1 1
	KD-11-2			32,838	3	-	-	-	75.60			i I
1	KD-11-3	5 · · ·	- :	19,714		-	-	-	47.60	L.	1	1
DC-3			-	12,898	1 .	-	-	-	33.60	1		
	KD-12-2			12,134		-		-	36.40			
1	KD-13-1	1.80		21,383		•	-	-	50.40	1	1	
	KD-13-2	1.20		13,916	i  -	-	-	-	33.60			1 1
	Sub-Tota	1 12.10	0	139,639	0	0	0	0	338.80	495.03	72.60	25.90
-		+	<del> </del>		<del>                                     </del>	1	-	<del>                                     </del>	14.0	0 159.04	3.00	5.60
1 5	KD-14-1		-	6,081		1	-	-	1			1
441	KD-14-2			23,108		.	1 1	· -	53.2		4	
	KD-14-3	(		12,162	4 -	.   -	-	_	28.0			1 '
	KD-14-4		10,493	E	-	-		-	19.6		,	
	KD-14-5		22,062	-	-	-	1	-	42.0			1
1	KD-15-1	1.20	-	14,255		-	-	-	33.6			
	KD-15-2	1.40	1	14,255	•	.   -		-	39.2			
DC-4	KD-16	1.70		17,310	) [		1 -		47.6	E .		1
	KD-17-1		- 1	7,297	7 -	-	-	-	16.8		I.	1
	KD-17-2			25,512		-	1	-	61.6			
	KD-17-3		-	29,020		.   -	- '		75.6	b c		
	KD-18-1			25,512			-	-	61.6	0 56.1		
	KD-18-2			9,419				-	25.2	0 19.8	0 5.4	
	KD-19	A 12.5	1.1	18,809	1 .	-		1 .	53.2	- 1	6 11.4	0 1.65
	KD-20-1			13,06		1	1.5		30.8	1		3.45
	KD-20-2		18,752			.		-	36,4			
	KD-20-2		18,385		1 _			1	36.4			,
	Sub-Tota	(i) ■ (i) = (i)		215,80	0 0	0	4	0	674.8	and the second		
	240-10k	24.10	09,092	213,00	1		4	<del>- </del>		-,		
:	1				_  _				0.000.0	0 0000	6 425 6	104 52
	Total	72.60	113,986	717,31	7 0	0	12	0	2,032.8	2,660.0	5 435.6	0 196.53
	.1			1								

(1991 Price)

	1211	Lavab			On	en Chan	nel				<del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>	Main	enance	Road	~ <del></del>		
Zone	Khal	Length	Type	Arca				Construct	on Cost (	1000TK)	Arca		nstructio		Construct	ion Cost (	1000TK)
		m	-71	(m2)	Total	F/C(%)	L/C(%)	P/C	L/C	Total	(m2)	Total	F/C(%)	L/C (%)	PAC	r/c	Total
								- 1				***				176	1,764
	KD-1-1	500	Sodding	5,233	60	20	80	63	251	314	3,000	588	90	10 10	1,588 6,033	176 670	6,703
1	KD-1-2	1,900	Sodding	19,884	60	20	80	239	954	1,193	11,400		90 90	10	7,303	811	8,114
	KD-1-3		Sodding	24,070	60	20	80	289	1,155	1,444	13,800	588 588	90	10		600	5,998
	KD-1-4	1,700	Sodding	17,791	60	20	80	213	854	1,067 628	10,200 6,000	588	90	10	3,175	353	3,528
DC-1	KD-1-5	1,000	Sodding	10,465	60 60	20 20		126 171	502 684	855	8,400	588	90	10	4,445	494	4,939
	KD-2	1,400	Sodding	14,255	60	20	80	176	706	882	7,800	588	90	10		459	4,586
	KD-3-1	1,300	Sodding	14,708	60	20	1	190	760	950	8,400	588	90	10	4,445	494	4,939
	KD-3-2	1,400	Sodding Brick	15,839 16,971	1579	40	1 1	10,719	16,078	26,797	7,200	588	90	10	3,810	423	4,234
	KD-4 KD-5-6	1,000	Sodding	11,031	60	20		132	529	662	6,000	1 1	90	10		353	3,528
	KD-5-7	1,400	Sodding	15,047	60	. 20	1 1	181	722	903	8,400		90	10	4,445	494	4,939
	KD-10-1	2,000	Sodding	21,496		20		258	1,032	1,290	12,000	588	90	10	6,350	706	7,056
	KD-10-1	2,100	Brick	27,323	1579	40		17,257	25,885	43,142	12,600	588	90	10	6,668	741	7,409
	Sub-Total	19,200	-			37	63	30,013	50 115	80,128	115,200		90	10	60,964	6,774	67,738
				* .					. ,								
						: :							1	1 1			
	KD-5-1	2,500	Sodding	28,284	60	20		339	1,358	1,697	15,000	1	90	1		1 1	8,820
	KD-5-2	700	Sodding	7,920	60	20		95	380	475	4,200	1	90	i		247	2,470
	KD-5-3	1,400	Sodding	15,839	60	1	1 3	190	760	950	8,400	,	90	ı	1	494	4,939
	KD-5-4	2,000	Sodding	22,627	60	20		272	1,086	1,358			90				7,056
	KD-5-5	2,200	Sodding	24,890		20		299	1,195	1,493	ī	1	90	1	I '		7,762 6,350
DC-2	KD-6	1,800	Sodding	19,856			1. 1	238	953	1,191	10,800	1	90 90	1			5,645
	KD-7-1	1,600	Sodding	18,102	1		1 1	217	869	1,086		1		ł	•	1 1	7,762
	KD-7-2	2,200	Sodding	23,646		1 .	}	284	1,135 953	1,419 1,191	10,800	1	1	I	j	635	6,350
	KD-8	1,800	Sodding	19,856		l	,	238 132	529	662	6,000	1	4	i	1	i 1	3,528
100	KD-9	1,000	Sodding	11,031	60	20		2,305			103,200	4	90	I .		6,068	60,682
	Sub-Total	17,200				20	l °	2,303	,,210	11,520	105,200	1					,.
		<del>                                     </del>			<del> </del>		<b> </b>					1		-			
	KD-11-1	2,200	Sodding	26,757	60	20	80	321	1,284	1,605	13,200	588	90	10	6,985	776	7,762
	KD-11-2	2,700	Sodding	32,838			ł	394	1,576	1,970	16,200	588	90	10	8,573	953	9,526
	KD-11-3	1,700	Sodding	19,714	1	l .		237	946	1,183	10,200	588	90	10	5,398	600	5,998
DC-3	KD-12-1	1,200	Sodding	12,898	1 :	1	80	155	619	774	7,200	588				1 .	4,234
	KD-12-2	1,300	Sodding	12,134		20	80	146	582	728	7,800	588	90	10	4,128		4,586
	KD-13-1	1,800	Sodding	21,383	60	20	80	257	1,026	1,283				l			6,350
1	KD-13-2	1,200	Sodding	13,916	60	20			668			1	1	1	1	1	4,234
	Sub-Total	12,100				20	80	1.676	6,703	8,378	72,600	)	90	10	38,420	4,269	42,689
		<u> </u>	<u> </u>		<u> </u>	<u>-</u> _		2.5		<b></b>	<del> </del>		<b> </b>	<del> </del>	<del> </del>		
	1				1 :				·				, ,			!	1,764
	KD-14-1	500	Sodding		The state of the state of	4.0	ł					588	1				
	KD-14-2	1,900	Sodding		1 1						1		1 1			1	3,528
	KD-14-3	1,000	Sodding			•			ı	1	1			1	Ł	1	1
	KD-14-4	700	Brick	10,493		1	1	1 ' '		1	1					T .	
	KD-14-5	1,500	Brick	22,062			E	100		Ł '	1	1	· t	1			1
1	KD-15-1	1,200	Sodding					i		1				ı.		1	
	KD-15-2	1,400	Sodding	1	1 .	l.			ł		1 .		1			1	1
DC-4	KD-16	1,700	Sodding		£			!	ŧ	1	1				1 '	ı	1
	KD-17-1	600	Sodding Sodding	,		1	1	1	1.	l .	1 '		i .	1			
	KD-17-2 KD-17-3	2,200	Sodding	18			1	1				1	1		1 '		1
	KD-17-3	2,200	Sodding			1	i i	i	I .			1	1 .				
	KD-18-1	900	Sodding		4.5	- S		1	1			ł	•	0 1	2,85	318	3,175
	KD-19	1,900	Sodding		1	1	1	1			1		9 9	0 10	6,03	3 670	6,703
	KD-20-1	1,100	Sodding		1 1	1		1	1		1		B 91	0 1	0 3,49	3 388	-3,881
	KD-20-2	1,300	Brick	18,752		1					7,80	0 581	91	0 1	0 4,12	8 459	1
1 4	KD-20-3	1,300	Brick	18,38				1 4 4 11		4	7,80	0 58	8 9	0 1	0 4,12	8 459	-
	Sub-Total		1			3	Į.	!			3 144,60	0	9	0 1	0 76,52	2 8,50	85,025
	L	L	L											4	<del> </del>		<b></b>
	100			V. 25								1				_	
	Total	72,600			1	3	6 64	80,60	142,42	223,02	2 435,60	М	9	0 1	0 230,52	0 25,617	256,133
			<u> </u>			1		<u></u>	]:	<u> </u>							<u> </u>

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# Table BQ 1.11 : CONSTRUCTION COST OF KITAL IMPROVEMENT AND TRUNK DRAIN WORKS

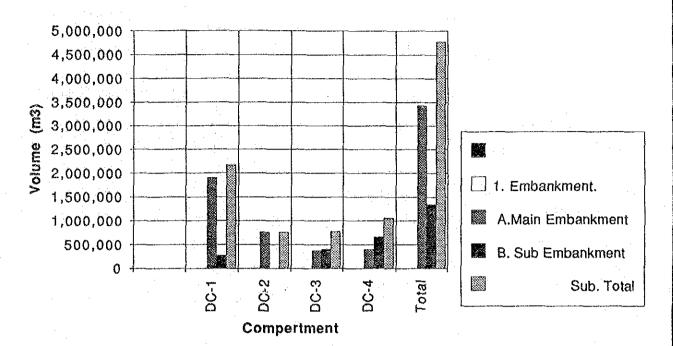
Dhaka East Zone (DC)

18,414 7,314 12,765 19,640 19,640 7,084 1,198 1,199 10,442 6,555 3,657 152,017 (1991 Price) 152,017 2001X 5.478 2.627 5.318 6.831 6.212 6.279 5.279 2,835 2,826 2,826 2,826 2,836 2,836 2,836 2,836 2,936 8888888888888888 8888888888888 <u>88888888888</u> 8888888 ş 22,300 22,300 22,300 22,300 22,300 23,300 20 2,300 2,300 2,300 2,300 2,300 2,300 22,300 22,300 22,300 22,300 22,300 22,300 22,300 22,300 22,300 22,300 23,300 20 Arca (ha) 8.01 5.55 5.55 6.80 8.67 8.67 8.67 8.67 1.59 1.59 2.35 2.35 2.47 2.47 2.65 3.88 3.88 3.88 3.88 3.85 5.18 5.18 5.18 5.18 5.18 55.55 55 22,287 24,375 13,699 17,719 27,788 27,788 13,1018 13,1018 13,1018 13,1019 13,1019 13,1019 13,1019 13,1019 13,1019 13,1019 13,1019 13,1019 13,1019 13,1019 13,1019 14,1 422,947 3,991 5,867 10,486 5,136 3,641 2,96 614 5,152 2,989 6,255 6,255 8,953 23,601 12,690 12,690 9,704 2,166 1,099 1,099 1,099 21,593 24,798 17,606 6,013 5,707 2,355 638 78,709 (10007K) Total 2,391 5,004 5,004 5,004 5,162 338,358 3,193 4,694 8,389 4,109 2,913 2313 18,881 6,293 10,152 10,152 1,732 1,732 2,976 2,976 2,976 2,976 2,976 2,976 7.275 9.838 7.085 4.811 1.884 510 510 20,230 7,438 14,194 14,194 11,194 11,021 11,021 12,008 12, on Cost Construct 598 598 1,251 1,251 1,251 25.53 827 178 178 188 188 188 1319 1521 1203 174 171 128 128 172 172 7.50.77 7.722 7.722 7.725 7.72 8888888888888 88888888888 2222222 Jnit Construction 88888888888888888 22222222222222 8888888888 ន្តន្តន្តន្តន្ត \$ 3232233333 135.81 155.96 110.73 37.82 35.89 14.81 4.01 4.01 49.47 49.47 49.47 61.03 23.40 6.91 6.91 6.91 153.30 153.30 153.30 151.59 16.56 16.56 17.59 17 2,660.05 /olume 11.652 6.777 7.788 8,269 6,625 7,269 7,269 7,269 3,304 3,304 5,965 5,965 7,296 5,617 7,295 7,295 7,295 7,295 7,295 7,295 7,295 7.65.7 ion Cost (1000 FK)
L/C Total 826 3,139 3,139 2,148 2,148 2,1313 3,394 3,469 3,469 1,718 3,634 2,808 1,982 2,974 1,982 9,989 19,935 2,130 2,313 3,304 3,643 2,974 2,974 2,974 3,643 3,643 4,552 onstruct 826 3,139 2,808 2,148 2,148 2,148 1,982 1,982 3,304 3,469 1,718 19,935 4,130 1,156 1,156 1,156 1,643 1,643 1,652 1,652 1,652 1,652 8,414 1,634 1,460 1,982 1,148 1,974 1,982 1,982 828, 1,139, 1,155, 1,156, 1,160, 1,160, 1,160, 1,160, 1,161, 1,16 8888888 8888888888888 222222222 Sosi uction 88888888 8888888888888 Unit Constr 8888888 2,032.80 /olume 72,600 500 1,900 1,100 1,00 1,00 1,00 1,00 1,00 1,00 1,00 1,00 1,00 1,00 1,00 1 25.50 Lengi  $\widehat{\mathbf{E}}$ KO 20 2 2 KO 20 2 KO 2 KO-11-1 KO-11-3 KO-12-1 KO-13-2 KO-13-2 Sub-Total Total Zone 200 8 S Š

5.478 5.318 5.318 6.831 6.279 6.279

2,885 9,826 12,921 2,921 1,822 1,822 1,928 1,928 1,723 1,723 1,723 1,735

### Embankment Volume:Dhaka East



# Foundation Treatment Area : Dhaka East

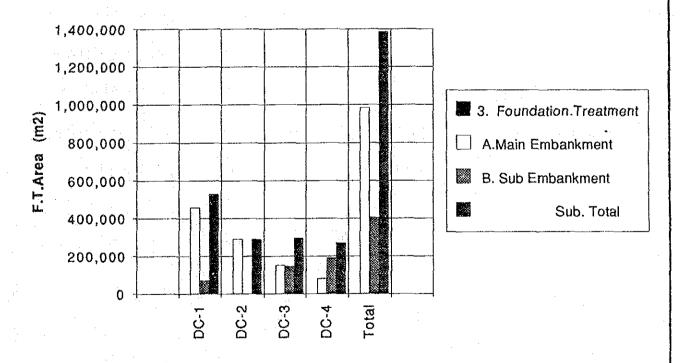
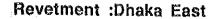
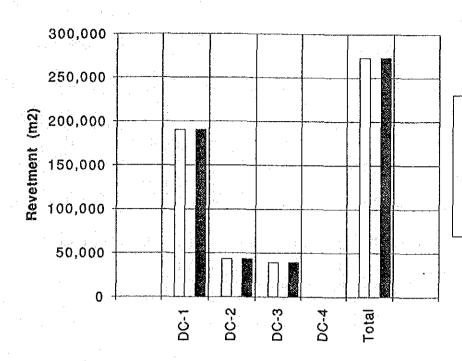


FIG. HD 1

BQ of Embankment/Foundation

GREATER DHAKA PROTECTION PROJECT (STUDY IN DHAKA METROPOLITAN AREA) OF BANGLADESH FLOOD ACTION PLAN NO.8A IN THE PEOPLE'S REPUBLIC OF BANGLADESH





### 5.Revetment

- A.Main Embankment
- B. Sub Embankment
- Sub. Total

# Sodding :Dhaka East

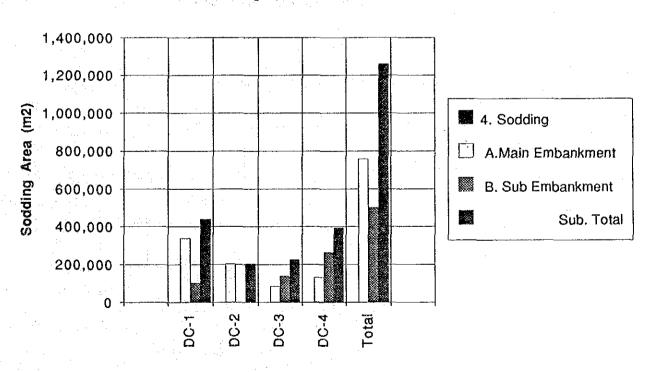
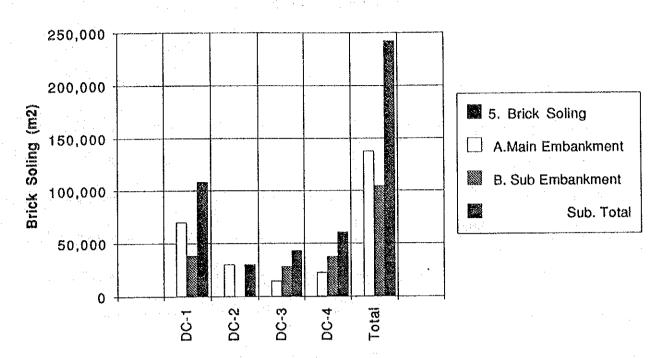


FIG. HD 2

BQ of Revetment/Sodding

GREATER DHAKA PROTECTION PROJECT (STUDY IN DHAKA METROPOLITAN AREA) OF BANGLADESH FLOOD ACTION PLAN NO.8A IN THE PEOPLE'S REPUBLIC OF BANGLADESH





Flood Wall :Dhaka East

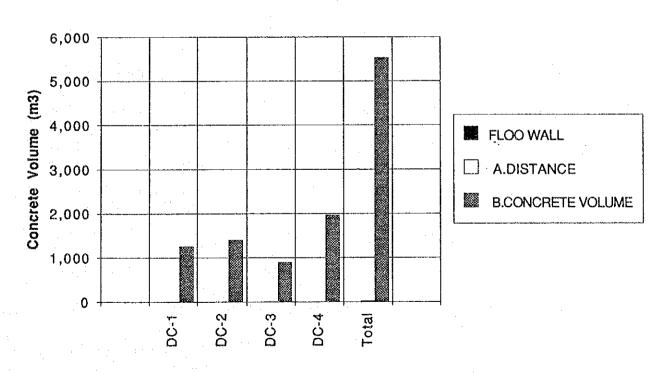


FIG. HD 3

BQ of Brick Soling/Flood Wall

GREATER DHAKA PROTECTION PROJECT (STUDY IN DHAKA METROPOLITAN AREA) OF BANGLADESH FLOOD ACTION PLAN NO.8A IN THE PEOPLE'S REPUBLIC OF BANGLADESH



# Land Acquisition : Dhaka East

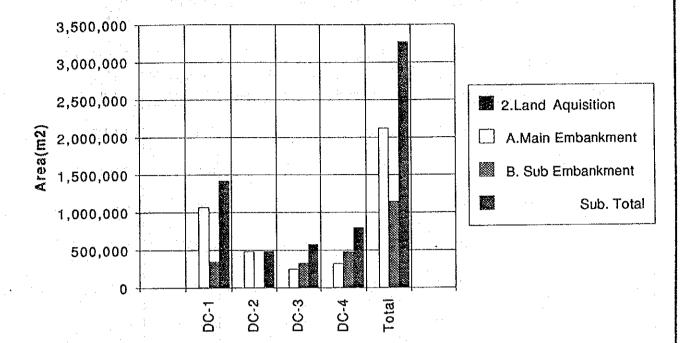


FIG. HD 4

BQ of Land Acquisition

GREATER DHAKA PROTECTION PROJECT (STUDY IN DHAKA METROPOLITAN AREA) OF BANGLADESH FLOOD ACTION PLAN NO.8A IN THE PEOPLE'S REPUBLIC OF BANGLADESH

Table BQ 2.1 BQ of foot Protection of Existing Flood Wall :DND (DW)

	a. emerican de la Proposición			th Filling		
Station	Distance		Work		ding	Remarks
No.	(m)	Area (m2)	Volume (m3)	Width (m)	Area (m2)	No.of Stop.Log
DW 1	400	9.6	3,840	7.74	3,096	
DW 2	400	6.4	2,560	5.71	2,284	
DW 3	400	4.0	1,600	8.67	3,468	
DW 4	400	8.8	3,520	5.19	2,076	
DW 5	400	9.6	3,840	7.83	3,132	
DW 6	400	18.4	7,360	7.78	3,112	
DW 20	400	1.6	640	1.28	512	
DW 24	400	8.8	3,520	4.21	1,684	
DW 26	400	10.4	4,160	7.65	3,060	
Total:	3600		31,040		22,424	14

Table BQ 2.2(1) : B.Q of Flood Wall: DND (DN)

governmental	ينج خيوج		 						-								
	Back Filling	m3	180	100		•							•		1	45	325
	Brick Soling 1	m2	20	20	·	,	1	1		į.				1	1:	45	145
Type)	Excavation	m3	230	140	:				:		,	1:		1	•	54	424
New Flood Wall (I-Type)	Form work	m2	096	640			ı	· .			•			·	•	288	1,888
New F	R.C.C	Volume (m3)	100	70				1	ı	1		1			i	36	206
	Height	m	1.20	0.80	1	1		1	1	1	1	1	1	t	1	0.40	
	Form work	m2			320	200	440	200	200	320	200	200	280	280	360	I	3,000
Heightening of Wall	R.C.C	Volume (m3)	. •		18	16	24	16	16	18	16	16	28	28	20	*	216
Height	Height	m	ţ	•	0.25	0.20	0.40	0.20	0.20	0.25	0.20		0.50	0.50	0:30		
	Station Distance Height	(m)	 200	200	400	400	400	400	400	400	400	400	400	400	400	180	4,980
	Station		 DN 0	9 NG	DN 7	6 NO	DN 10	DN 12	DN 13	DN 14	DN 16	DN 17	DN 19	DN 20	DN 21	DN 22	Total:

Table BQ 2.2(2) : B.Q of Foot Protection of Flood Wall : DND (DN)

	and the first of t			arth Filling		No. of
Station	Distance	Earth Wo		Soddin	the latest speciment of the latest speciments	Stop log
	(m)	Area (m2)	Volume (m3)	Width (m)	Area (m2)	· · · · · · · · · · · · · · · · · · ·
						Total
DN 3	400	5.60	2,240	1.77	708	17
DN 5	400	3.20	1,280	0.39	156	:
DN 7	400	12.00	4,800	8.81	3,524	
DN 9	400	13.60	5,440	9.42	3,768	
DN 10	400	9.60	3,840	7.82	3,128	
DN 12	400	14.40	5,760	11.09	4,436	
DN 13	400	21.60	8,640	11.78	4,712	•
DN 14	400	12.00	4,800	9.53	3,812	
DN 16	400	11.20	4,480	8.55	3,420	
DN 17	400	16.80	6,720	8.59	3,436	
DN 18	400	23.20	9,280	12.75	5,100	
DN 19	400	2.40	960	2.60	1,040	
DN 20	400	10.40	4,160	8.58	3,432	
DN 21	400	16.80	6,720	9.39	3,756	
DN 22	180	7		•	•	
Total:	5780		69,120		44,428	17

Table BQ 2.3(1) :B.Q of flood Wall :DND (DE)

		He	Heightening of Wall	/all		New F	New Flood Wall (I-Type)	Type)		
Station	Distance	Height	R.C.C	Form work	Height	R.C.C	Form work	Excavation	Form work Excavation Brick Soling	Back
	m	m	Volume (m3)	m2	m	Volume (m3)	m2	m3	m2	Filling (m3)
DE 0	100	ı	1	ı	0.70	30	280	09	25	45
DE 3	400	0.25	18	320	ı	1		1	1	1
DE 6	400	0.2	16	200	ı		1	ι	ł	
DE 8	400	0.2	16	200	•	1	ı	١	•	
DE 13	400	1	1	ı	08.0	140	1280	280	100	220
DE 15	400	0.2	16	200		ı		ı	ı	•
DE 18	400	- 1	1 .	,	0.20	40	320	09	100	40
DE 19	400	0.2	16	200	ı	ı	ŀ	ı.	•	ı
DE 20	400	0.2	16	200	1	1	1	ı	<b>₹</b>	
DE 22	400	0.2	16	200		ı	ı	1		•
DE 25	400	0.2	16	200	,	1	•	1	* .	•
DE 26	150	ŧ	1	1	0.45	30	270	53	38	38
Total:	4,250		130	1,720		240	2,150	453	263	343

Table BQ 2.3(2) :B,Q of Foot Protection of Flood Wall : DND (DE)

			Foot Earth			No. of
Station	Distance	Earth wo		Soddir		Stop log
No.	(m)	Area (m2)	Volume (m3)	Width (m)	Area (m2)	m
					. !	
DE 1	405	17	6,885	9.93	4,022	
DE 2	400	8.8	3,520	7.07	2,828	
DE 3	400	10	4,160	6.08	2,432	·
DE 4	400	5.6	2,240	5.10	2,040	
DE 5	400	2.4	960	1.43	572	
DE 6	400	14	5,440	7.58	3,032	
DE 7	400	5.6	2,240	4.99	1,996	·
DE 8	400	5.6	2,240	5.37	2,148	
DE 9	400	12	4,800	9.66	3,864	
DE 10	400	18	7,360	10.01	4,004	Total
DE 11	400	3.2	1,280	0.76	304	25
DE 12	400	4	1,600	1.30	520	
DE 13	400	. 4	1,600	1.75	700	
DE 14	400	3.2	1,280	1.97	788	
DE 15	400	8.8	3,520	4.88	1,952	ļ
DE 16	400	2.4	960	1.63	652	
DE 17	400	4.8	1,920	2.61	1,044	1
DE 19	400	6.4	2,560	3.03	1,212	
DE 20	400	12	4,800	4.88	1,952	i
DE 21	400	-		-	-	į
DE 22	400	14	5,440	7.07	2,828	
DE 25	400	25	9,920	14.61	5,844	
Total:	8,805		74,725		44,734	25

Table BQ 2.4 :B.Q of Flood Wall : DND (DS)

	No. of	Stop	Log					2				, , , , , , , , , , , , , , , , , , ,		2
	Sodding	Area		m2		•	581	3160	1897	2000	2528			10,166
Foot Earth Filling	Sode	Width		m		1	1.66	7.9	4.74	5.0	6.32	1		
Foot Ear	Work	Volume		m3		I	525	4000	2000	2700	2400	1		11,625
	Earth Work	Area	· · ·	m2		ı	1.50	10.00	5.00	6.75	9.00	ı		
Back	Filling			m3		1	245	320	500	280	•	120		1,465
Brick	Soling		<del></del>	m2		1	88	100	100	100	400	50		838
Exca-	vation			m3		,	315	400	009	360	•	7		1,682
Form	Work			m2	÷	1	1400	1760	2400	1600	1	720		7,880
Flood Wall	(I-Type)	R.C.C	Volume	m3			140	180	240	160	1	70		790
	Distance			m		0	350	400		400	400	200		2,150
	Station   Flood	Wali	Height	m	·	1.50	1.00	1.10	1.50	1.8	1	0.90	:	
	Station	No.		,		DS 0	had	7	ю	4	'n	9		Total:

Table BQ2.5(1) Main Feature of Proposed Sluice Gate: DND

No.	Sta. No.	Mark	Dimen	ions of	Culven		inict				Outlet			***********	O.Bridge	Knal	Remarks
	1	(Knai No.)	В	Н	I.	N:	B1	Ll	B2	B3 :	B4	B5	L2	L3	LA	Dimension	
		Q(m3/s)	(m)	(m)	(m)		(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(61,62,h1)	
I.DNI	>	[															
1	DE.10+300	20	3.00	3.00	21.50	6	21.50	10.00	47.00	23.00	27.80	<b>2</b> 9. <b>8</b> 0	12.00	10.00	7.00	33.50	Pump/Wali
		(KN-4)				:										45.30	P11 : (50.2 m3/s)
		143.5		.:						:						5.90	
2	DB,17+350	19	2.40	2.70		2											P 10
			]								,						(existing Pump.)

Table BQ 2.5(2) BQ OF SLUICE GATES :DHAKA EAST

Mark		Concrete			Sheet Pile		R.C Pile		Bed.	Excavation	Backfill
(Khal No.)	Inlet	Mainbox	Outlet	Total			Per No.	Total L	Protection		
Q(m3/s)				m3	m2	No	m	m	m2	m3	m3
								******			
		-1.40					L <b>l</b>				
20	288.18	797.10	214.55	1299.82	580.20	181	8	1444	748	6635	195
(KN-4)	44.7										
143.5											
								,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,			
19											
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,									A. 5-25-4-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-		
								17			<del></del>

Table BQ 2.6: BQ of Pump Station: DND Area

						Bill	Bill of Quantities	ties										
Zone	Zone No.	Part	Exca	Exca Banking Backfill	Backfill	R.C Pile	Sheet.P	R.C Pile   Sheel.P   Leveling   Concrete   Re. Bar   Form	Concrete	Re. Bar	Form	Slope	Bed Protec.	Slope Bed Protec Bed Protec Sodding Operation Building Mechanic.	Sodding	Operation	Building	Mechanic.
	(Khal No.)		i					Conc.				Protec.	(Block) (Brick)	(Bnck)		Bridge		& Electric.
			(m3)	(m3)	(m3)	(m)	(m2)	(m3)	(m3)	Θ	(m <sub>2</sub> )	(m2)	(m2)	(m2)	(m2)	(m2)	(L.S)	(L.S)
		Pump Station (O=14.5)	•		,	•	•	•	•	,					ı	•	ı	91-4
ZA-1	NA-1 P10		. :	•	. •				•		•	•	•		•	,		
	(KN-1)	Sub lotal														***************************************		****
				Ç	0			į.			3	6		:				
		Pump Station (V=50.2)		24,192 18,691 14,932	14,932		131	3//5			117 12,913 2,220	7.77	•	7/8	750	•		- <b>-</b>
NA-1	P1.1	Sluice Way (2.0X2.5X4)				2,115	207	172	1.174		106 2.583		147			11	1	
	(KN-4)	Sub Total	54,192		14,932		٠.		••		823 15,495	2,220		872	632		9-4	<del></del>
																	-	

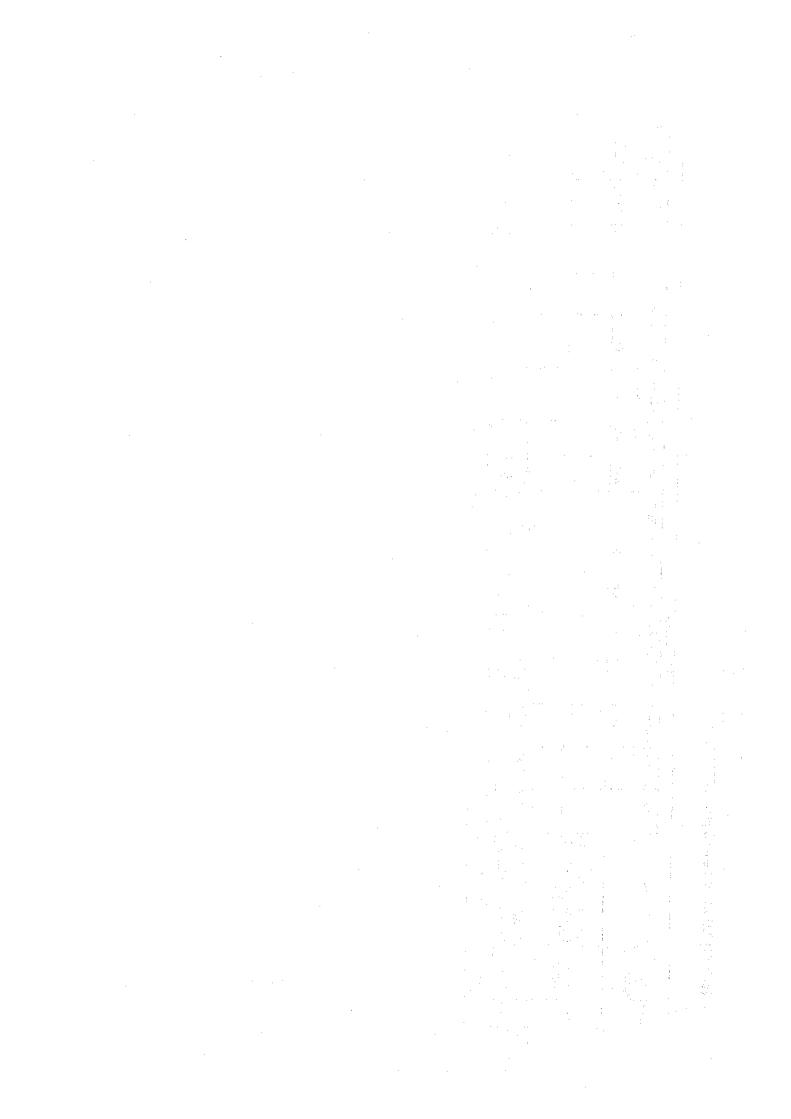


Table BQ 2.7: BQ of Khal Improvement and Bridge: DND Area

Zone	Khal	Khal	Onen	Channel	Covere	d Char	Bridge	Aqueduct	Banking	Dredging	Maintenance	Land
20110	4231412	Length	Brick	Sodding	Box	Brick	Bridge	riquodidot	Daning	2.000	Road	Acquisition
		Longui	Protection		Culvert	Pipe	(places)	(places)			, ttoat	· · · · · · · · · · · · · · · · · · ·
] .]	No.	(km)	(m2)	(m2)	(m)	(m)	(Places)	(Piaces)	(1000m3)	(1000m3)	(1000m2)	(ha)
	110.	(KIII)	(1112)	(1112)	(111)	(111)			(100011.7)	(1000113)	(10001112)	
	KN-1-1	2.10	29,698	_		_			58.80	22.27	12.60	0.61
1	KN-1-2	0.70	27,070	7,920			1	_	19.60	34.44	,	1.72
	KN-1-3	1.00		11,314			1	· _	28.00	43.02		2.54
)	KN-1-4	0.60		6,788			'		16.80	11.90		0.82
	KN-1-5	1.80	_	20,365			1		50.40	76.88		4.83
	KN-1-6	1.40		15,443	_		1		39.20	49.86	1	3.98
1 1	KN-1-7	1.20		11,540			_		33.60	29.51	7.20	2.67
NA-1	KN-1-8	0.60	6,958	11,540					16.80	5.91	3.60	0.22
I TACA	KN-2-1	1.60	0,230	17,649			3	1	44.80			3.70
	KN-2-2	1.60	20,365	17,047		i -	2	· •	44.80			2.37
	KN-3	1.70	20,505	18,752			1		47.60			2.92
	KN-13	1.20	_	13,237			1		33.60			3.49
	KN-14-1	1.50		16,546	_				42.00	48.18		4.92
	KN-14-2	1.50		16,122	]				42.00			4.45
	KN-14-3	1.60	18,554	10,122	_		1		44.80	27.68	ł .	
	KN-15	1.60	10,004	14,482	_		1		44.80			4.32
	KN-16	2.20	29,246		, _				61.60	1		4.68
	Sub-Total	23.90	104,822		0	0	13	1 :	669.20		1 1	51.42
	Sub-Total	23.90	104,022	170,130	]	"	'		007.20	332.47	145.40	31.42
										· · · · · · · · · · · · · · · · · · ·		
	KN-4-1	1.80	26,474		· · ·	_	3		50.40	229.56	10.80	4.37
	KN-4-2	1.30	2,0,-71-1	15,443				_	36.40			4.93
	KN-4-3	1.20		14,255			2	_	33.60	61.65		2.61
1 1	KN-4-4	1.50	-	16,971			2	-	42.00	73.93	i e	4.16
	KN-4-5	1.80	23,419	10,577			4		50.40	24.91	10.80	1.27
	KN-4-6	0.80	9,730	, _			1		22.40			0.67
	KN-5-1	1.80	2,7.50	20,874					50.40			6,03
NA-2	KN-5-2	1.00	14,142	2.0,017					28:00			2.40
1117-2	KN-6	0.90	17,172	10,182			_		25.20		i	1.36
	KN-7-1	2.40		28,511			: <b>1</b>	1	67.20		1	7.92
	KN-7-2	0.80		9,504					22.40	2.0		3
	KN-7-3	1.20	17,310	-			[ _ [		33.60			1.36
	KN-7-4	1.40	18,611		, -	_	6	_	39.20			1
} }	KN-7-5	0.80	9,956		_		1		22.40		1	0.58
	KN-8	1.00	2,330	11,597	-				28.00			1.65
	KN-9	1.30		15,076			1		36.40		1	
	KN-10	1.80	<u>.</u>	18,328	[		2		50.40		1	
1 1	KN-10	1.40	•	16,235	-	•	٠.		39.20	1		3.14
1 1	KN-11	1.60	20,817	10,233	-	_	1		44.80	i		
	KN-17	1.50	20,617	14,849		_			42.00	1	1	4.18
	Sub-Total	27.30	140,460		0	0	25	1	764.40	1	ŀ	
	Sub-10tai	27.30	140,400	191,024		, 	20		704,40	1,330.33	103.80	33.72
	Total	51.20	245,281	361,982	0	. 0	38	2	1,433.60	1,889.44	307.20	107.14
			2.3,201	201,702								

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Table BQ 2.8 : CONSTRUCTION COST OF KHAL IMPROVEMENT AND TRUNK DRAIN WORKS : DND AREA

טאט	Project Area	1 (14VV)													سواليا الأخراج المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع	(1991 P	rice)
Zone	Khal	Length			Or	en Char	mel					Main	tenance	Road			
2.01.00	*******		Турс	Arca				Construc	tion Cost (	1000TK)	Area				Construct	ion Cost	(1000TK)
:		m		(m2)		P/C(%)		F/C	L/C	Total	(m2)	Total	F/C(%)	L/C (%)	F/C	L/C	Total
																, , , , , ,	
	KN-1-1	2,100	Brick	29,698	1579	40	60	18,758	28,136	46,894	12,600	. 588	90	10	6,668	741	7,409
	KN-1-2	700	Sodding	7,920	60	1		95	380	475	4,200	588	90	10	2,223	247	2,470
	KN-1-3	1,000	Sodding	11,314	60	20		136	543	679	6,000	588	90	10	3,175	353	3,528
	KN-1-4	600	Sodding	6,788	60		80	81	326	407	3,600	588	90	10	1,905	212	2,117
	KN-1-5	1,800	Sodding		60	1	80	244	978	1,222	10,800	588	-90	10	5,715	635	6,350
	KN-1-6	1,400	Sodding	15,443	60	20	80	185	741	927	8,400	588	90	10	4,445	494	4,939
	KN-1-7	1,200	Sodding	11,540				138	554	692	7,200	588	90		3,810	423	4,23
NA-1	KN-1-8	600	Brick	6,958		40.		4,395	6,592	10,987	3,600	588	90	10		212	
	KN-2-1	1,600	Sodding	17,649	60	20		212	847	1,059		588	90	10	5,080	564	5,645
	KN-2-2	1,600	Brick	20,365	1579	40		12,862	19,293	32,156	1	588	90	10	5,080	564	5,645
	KN-3	1,700	Sodding		60		1	225	900	1,125		588	90	10	5,398	600	į ,
	KN-13	1,200	Sodding	13,237	60	•	í :	159	635	794	7,200	588	90	10	3,810	423	4,234 5,292
:	KN-14-1	1,500	Sodding	16,546	60	1		199	794	993	9,000	588	90		4,763	529	5,292
	KN-14-2	1,500	Sodding	16,122	60	•		193	774	967	9,000	588 588	90 90	10 10	4,763 5,080	529 564	5,64:
	KN-14-3	1,600	Brick Sodding	18,554	1579 60	40 20		11,719 174	17,579 695	29,298 869	9,600 9,600	588	90	10	5,080	564	5,64:
	KN-15	1,600	Brick	14,482		40		18,472	27,708	46,179	, .	588	90	10	6,985	776	
	KN-16 Sub-Total	2,200 23,900	Dilek	29,246	1379	39	61	68,247	107,475	175,723		200	90	10	75,887	8,432	
	Sub-Total	23,900				39	.01	00,247	107,475	173,123	143,400		30	10	13,007	0,432	04,517
<del></del>		<del> </del>				-											<b></b>
	KN-4-1	1,800	Brick	26,474	1579	40	60	16,721	25,082	41,803	10,800	588	90	10	5,715	635	6,350
:	KN-4-2	1,300	Sodding	15,443	60		80	185	741	927	7,800	588	90	10	4,128	459	4,586
	KN-4-3	1,200	Sodding	14,255	60			171	684	855		588	90	10	3,810	423	4,234
	KN-4-4	1,500	Sodding	16,971	60	20		204	815	1,018	1 1	588	90	10	4,763	529	5,292
1	KN-4-5	1,800	Brick	23,419	1579	40	60	14,792	22,188	36,979	10,800	588	- 90	. 10	5,715	635	6,350
	KN-4-6	800	Brick	9,730	1579	40	60	6,145	9,218	15,363	4,800	588	-90	10	2,540	282	2,822
	KN-5-1	1,800	Sodding	20,874	60	20	. 80	250	1,002	1,252	10,800	588	90	10	5,715	635	6,350
NA-2	KN-5-2	1,000	Brick	14,142	1579	40	60	8,932	13,398	22,330	6,000	588	90	10	3,175	353	3,52
	KN-6	900	Sodding	10,182	60	20	80	122	489	611	5,400		90	10	2,858	318	3,175
	KN-7-1	2,400	Sodding	28,511	- 60	20	80	342	1,369	1,711		588	90	10	7,620	847	8,46
	KN-7-2	800	Sodding	9,504	60	20	80	114	456	570	4,800	588	90	10	2,540	282	2,822
	KN-7-3	1,200	Brick	17,310	1579	40	60	10,933	16,399	27,332	7,200	588	90	10	3,810	423	4,234
- 1	KN-7-4	1,400	Brick	18,611	1579	. 40		11,755	17,632	29,387	8,400	588	90		4,445	494	4,939
	KN-7-5	800	Brick	9,956	1579	40	60	6,288	9,432	15,721	4,800	588	90		2,540	282	2,82
	KN-8	1,000	Sodding	11,597	60	20	80	139	557	696	6,000	588	90	10	3,175	353	3,52
	KN-9	1,300	Sodding	15,076	. 60			181	724	905	7,800	588	90	10	4,128	459	4,586
: .	KN-10	1,800	Sodding		60	•		220	880	1,100	ĺĺ	588		10		635	6.350
-	KN-11		Sodding						1	974			90			494	4,939
	KN-12	1,600	Brick	20,817						32,870	- A - A		1			564	5,645
- 1	KN-17	4 1 1	Sodding	14,849	60			178		891			90		,	529	5,292
	Sub-Total	27,300				39	61	91,016	142,279	233,295	163,800		90	10	86,683	9,631	96,314
	Total	51,200				39	61	159,263	249,755	409,018	307,200	-	90	10	162,570	18,063	180,634

# Table BQ 2.9:CONSTRUCTION COST OF KHAL IMPROVEMENT AND TRUNK DRAIN WORKS

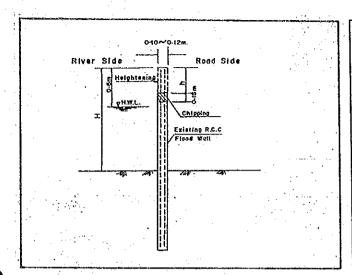
DND Project Area (NA)

1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	Colonomic   Colo	VARIOUGH TO THE
1,250   1,55	11.00   12.2   12.2   12.0	tion Cost (10001K)
1,469         6,523         2,227         139         20         700         2,431         5,461         170         1,100         0         100         0         11,500         1,100         0         100         0         1,100         1,100         0         100         0         1,100         1,100         0         100         0         1,100         0         1,100         0         100         0         1,100         0         1,100         0         100         0         1,100         0         1,100         0         100         0         1,100         0         100         0         1,100         0         100         0         100         0         1,100         0         100         0         100         100         0         100	2.2.7.7         159         2.0         80         7768         2.833         3.541         0.61         3.100         0           4.3.02         1.9         1.095         4.381         5.476         1.72         3.100         0           4.302         1.9         2.0         1.095         5.475         1.574         1.090         2.44         3.775         1.2224         4.83         3.100         0           4.088         1.9         2.445         9.779         1.2224         4.83         3.100         0           2.5         1.9         2.0         8.0         2.445         9.779         1.2224         4.89         3.100         0           3.1         1.9         2.4         9.779         1.2224         4.89         3.100         0           3.1         1.9         2.4         9.779         1.2224         4.89         3.100         0           3.1         1.9         2.4         3.9         7.73         4.467         3.100         0           3.1         1.9         2.4         3.1         3.100         0         3.100         0           3.1         1.0         3.0         3.2 <t< th=""><th>+</th></t<>	+
1,552   2,514   3,444   159   20   80   1,085   4,381   5,478   1,71   1,105   1,905	3.4.4         1159         20         1,005         4,381         5,776         1,772         1,100         0           11,90         10         30         1,005         5,478         1,574         1,574         1,100         0           11,90         10         20         80         1,368         5,475         6,840         2,443         3,174         0           20,51         139         20         80         1,386         6,342         3,100         0           20,51         139         20         80         1,386         6,342         3,100         0           20,51         139         20         80         1,386         6,342         3,100         0           21,32         139         20         80         1,386         3,722         4,692         22         3,100         0           21,32         139         20         80         1,387         1,592         3,20         3,100         0           21,32         139         20         80         1,372         4,711         3,46         3,100         0           21,32         130         80         373         2,144         3,100	
1,982   1,982   1,992   1,993   1,994   1,994   1,994   1,995   1,994   1,99	1,000 159 20 80 2,445 9779 112224 483 3,100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
2,574         4,526         7,688         159         20         2,446         9,779         12,226         4,625         3,100         0         10,673         1,578         1,588         6,342         7,728         4,625         3,100         0         100         0         16,273           1,821         3,962         2,931         1,99         20         80         1,995         20         10         10         0         10         0         1,533         1,533         1,532         2,543         3,100         0         10         0         10         0         1,533         1,542         2,543         3,100         0         10         0         1,542         2,543         3,100         0         10         0         1,542         2,542         3,100         0         10         0         1,542         3,100         0         10         0         10         0         1,542         3,100         0         10         0         1,542         3,100         0         10         0         0         1,542         3,100         0         0         1,542         3,100         0         1,542         3,100         0         0         1,542	76.88         159         20         80         2,445         9,779         11,224         4,85         3,100         0           29.51         159         20         80         1,886         6,422         7,928         3.98         3,100         0           5.95         159         20         80         1,886         6,422         7,928         3.98         3,100         0           34.36         159         20         80         1,093         .4371         5,463         2,77         3,100         0           34.36         159         20         80         1,093         .4371         3,463         2,77         3,100         0           36.30         159         20         80         1,532         6,128         7,764         492         3,100         0           48.18         159         20         80         1,532         6,128         7,661         492         3,100         0           48.18         159         20         80         1,532         6,128         3,724         3,100         0           48.18         159         20         80         1,154         4,677         3,467         3,10 </td <td></td>	
2,318         4,626         4,686         1199         20         80         1386         6,324         7,928         3,180         0         100         0         100         0         102           2,843         3,966         3,956         1,986         1,989         1,989         1,789         20         1,889         277         4,971         3,401         0         1,000         0         0         1,000         0         1,000         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0	49.86         159         20         80         1,586         6,342         7,728         3,100         0           59.51         159         20         80         1,888         3,754         4,692         267         3,100         0           29.436         159         20         80         1,893         3,754         4,692         267         3,100         0           21,23         159         20         80         1,093         4,371         3,463         2,37         3,100         0           21,23         159         20         80         1,251         2,463         2,37         3,100         0           48,18         159         20         80         1,354         4,617         4,627         4,45         3,100         0           48,18         159         20         80         1,354         4,617         4,45         3,100         0           48,18         159         20         80         1,354         4,617         3,461         3,100         0           11,67         159         20         80         1,354         4,617         3,461         3,100         0           4,044	
1,982         3,965         2,951         159         20         918         3,754         460         267         31,00         0         100         0         687           2,643         1,386         2,526         1,396         1,997         4,771         3,463         370         31,00         0         100         0         687           2,643         2,236         2,136         1,997         4,771         3,463         370         31,00         0         100         0	29.51         159         20         80         938         3754         4692         267         3.100         0           3.45         159         20         80         1093         7712         3490         0.22         3.100         0           2.132         159         20         80         1093         2712         3390         237         3.100         0           3.132         159         20         80         1534         2,134         2688         292         3.100         0           48.18         159         20         80         1534         2,134         2688         292         3.100         0           27.68         159         20         80         1,534         4,617         5,772         4,401         3.100         0           27.68         159         20         80         1,534         4,617         5,772         4,401         3.100         0           27.68         159         20         80         1,534         4,617         5,772         4,401         3.100         0           27.88         159         20         80         1,532         6,145         3.100 <t< td=""><td></td></t<>	
2,443         5,286         5,991         1,982         5,991         1,982         5,991         1,982         5,100         0         1,000         0         1,1470         0         0         1,1470         0         1,1470         0         1,1470         0         1,1470         0         1,1470         0         1,1470         0         1,1470         0         1,1470         0         1,1470         0         1,1470         0         1,1470         0         1,1470         0         1,1470         0         1,1470         0         1,1470         0         1,1470         0         1,1470         0         1,1470         0         0         <	591         159         20         80         188         752         940         0.22         3.100         0           21.32         159         20         80         1.93         4.712         3.46         2.77         3.100         0           21.32         159         20         80         1.251         5.06         6.27         3.10         0           39.35         159         20         80         1.251         5.06         6.27         3.49         3.10         0           48.18         159         20         80         1.154         2.668         2.97         3.100         0           27.88         159         20         80         1.154         4.46         3.100         0           27.89         159         20         80         1.154         1.467         1.859         4.32         3.100         0           11.69         159         20         80         1.352         6.125         3.100         0           27.80         159         20         80         1.352         1.447         1.487         3.100         0           27.24         159         20         80	
2.643         5.266         4.36         4.36         3.70         4.31         6.10         0         1.10         0         1.10         0         1.10         0         1.10         0         1.10         0         1.10         0         1.10         0         1.10         0         1.10         0         1.10         0         1.10         0         1.10         0	34.36         159         20         80         1,093         4,371         5,463         3.70         3,100         0           16.73         189         20         80         678         2,712         3.39         2.37         3,100         0           39.35         159         20         80         1,251         5,006         6,257         3,49         3,100         0           48.18         159         20         80         1,532         6,128         7,451         4,45         3,100         0           27.63         159         20         80         1,532         6,128         7,471         445         3,100         0           43.04         159         20         80         1,549         3,471         4,471         3,100         0           43.04         159         20         80         1,369         5,475         6,843         4,48         3,100         0           43.04         159         20         80         1,369         7,0277         8,784         4,88         1,100         0           43.04         159         20         80         1,369         7,0277         8,784         4,88 </td <td></td>	
2,643         5,286         1,324         1,59         20         678         2,712         3,390         2,37         3,100         0         100         0         7,347           1,982         3,986         3,935         1,93         20         80         1,231         5,006         6,257         3,49         3,100         0         100         0         103           2,478         4,956         36,11         159         20         80         1,237         6,128         7,661         4,92         3,100         0         100         0         103         0         100	21,32         159         20         80         678         2,712         3,390         2.37         3,100         0           39,33         159         20         80         1,532         6,128         7,661         4,92         3,100         0           48,13         159         20         80         1,154         4,617         5,772         4,45         3,100         0           27,68         159         20         80         1,154         4,617         5,772         4,45         3,100         0           11,69         159         20         80         1,154         4,617         5,772         4,45         3,100         0           43,04         159         20         80         1,369         5,774         4,87         3,100         0           552,49         159         20         80         1,369         7,277         87,846         51,42         3,100         0           18,68         159         20         80         1,369         7,347         87,846         1,45         3,100         0           220,49         159         20         80         1,374         1,569         7,277         87	
2,673         5,674         1,678         1,59         20         5,54         1,134         2,686         2,534         2,114         2,688         2,92         3,100         0         100         0         10,021           2,473         4,956         4,818         1,99         20         80         1,532         6,126         7,661         4,92         3,100         0         100         0         10,219           2,473         4,956         4,266         2,572         4,45         3,100         0         100         0         10,219           2,643         5,286         1,59         20         80         1,134         4,677         3,100         0         100         0         15,292           2,643         5,286         1,159         20         80         1,134         4,677         3,100         0         100         0         15,292           2,643         5,286         1,159         20         80         1,159         20         80         1,259         20         80         1,259         20         80         1,259         20         80         1,259         20         80         1,259         20         80	16.78   159   20   80   534   2.134   2.668   2.92   3.100   0     48.18   159   20   80   1.532   6.237   3.49   3.100   0     27.68   159   20   80   1.532   6.237   3.49   3.100   0     11.69   159   20   80   1.532   6.231   4.401   3.18   3.100   0     27.68   159   20   80   1.532   6.243   4.46   3.100   0     11.86   159   20   80   1.7569   70.277   87.846   51.42   3.100   0     11.86   159   20   80   3.774   15.69   18.70   4.93   3.100   0     11.86   159   20   80   3.774   15.69   18.70   4.93   3.100   0     22.95   159   20   80   3.774   15.69   18.70   4.93   3.100   0     24.51   159   20   80   2.351   9.404   11.755   4.16   3.100   0     26.69   159   20   80   2.351   9.404   11.755   4.16   3.100   0     26.69   159   20   80   2.351   9.404   11.755   4.16   3.100   0     26.69   159   20   80   2.351   9.404   11.755   4.16   3.100   0     26.69   159   20   80   2.351   9.404   11.755   4.16   3.100   0     27.23   159   20   80   2.351   9.404   11.755   4.16   3.100   0     26.69   159   20   80   2.351   9.404   11.755   4.16   3.100   0     26.69   159   20   80   2.351   9.404   11.755   4.16   3.100   0     26.69   159   20   80   2.351   9.404   11.755   4.16   3.100   0     26.69   159   20   80   2.351   3.405   2.25   3.100   0     26.69   159   20   80   2.351   3.405   2.25   3.100   0     26.72   159   20   80   2.351   3.405   3.405   3.100   0     26.60   159   20   80   2.365   3.405   3.100   0     26.60   159   20   80   2.364   4.365   2.25   3.100   0     26.60   159   20   80   2.364   4.365   2.25   3.100   0     26.60   159   20   80   2.544   3.180   2.40   3.100   0     26.60   159   20   80   2.544   3.180   2.40   3.100   0     26.60   159   20   80   2.544   3.180   2.40   3.100   0     26.60   159   20   80   2.544   3.180   2.40   3.100   0     26.60   150   20   20   20   20   20   20   20	
1,982         3,965         4,956         4,956         4,957         3,406         3,100         0         100         10,105           2,478         4,956         4,956         4,956         4,956         4,157         5,772         4,457         3,100         0         100         0         15,252           2,478         4,956         36,30         159         20         80         1,532         4,613         3,100         0         100         0         100         0         13,752           2,643         5,236         11,59         20         80         1,592         4,613         3,100         0         100         0         100         0         13,752           3,643         7,866         15,59         20         80         1,752         1,487         1,487         1,100         0         100         0         100         100         13,752         1,487	39.35         159         20         80         1,231         5,005         6,257         3.49         3,100         0           36.38         159         20         80         1,532         6,128         7,661         4,92         3,100         0           27.30         159         20         80         1,134         4,617         5,772         4,48         3,100         0           43.04         159         20         80         372         1,487         1,839         4.32         3,100         0           43.04         159         20         80         17.369         5,475         6,843         4,68         3,100         0           552.49         159         20         80         17.369         7,277         87,846         13.00         0           118.68         159         20         80         17.599         7,227         87,846         13.00         0           118.69         159         20         80         1,360         18.70         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1	
2,478         4,956         4,956         4,956         4,956         3,100         0         100         0         15,23           2,478         5,286         2,768         1,96         1,154         1,154         4,401         3,100         0         100         0         13,95           2,643         5,286         1,169         159         20         80         3,21         1,487         1,189         4,010         100         0         100         0         13,98           3,644         7,289         5,286         11,69         159         20         80         3,71         1,487         1,889         3,100         0         100         0         13,98           3,644         7,289         5,247         1,889         3,21         4,401         3,77         1,88         3,100         0         100         0         15,98           3,648         7,289         1,886         1,99         20         80         1,369         3,74         1,88         1,100         0         100         0         100         15,98           3,744         1,886         1,99         20         80         1,374         3,880         3,110	48.18         159         20         80         1,532         6,128         7,661         4,92         3,100         0           27.68         159         20         80         1,134         4,617         5,772         4,45         3,100         0           43.04         159         20         80         372         1,487         1,894         4,617         3,100         0           43.04         159         20         80         1,369         5,475         6,843         4,68         3,100         0           522.49         159         20         80         1,7369         5,475         6,843         4,68         3,100         0           118.68         159         20         80         1,7369         5,475         6,843         3,100         0           118.68         159         20         80         1,7369         1,8784         4,93         3,100         0           118.68         159         20         80         1,744         15,940         11,755         4,16         3,100         0           2.08         159         20         80         2,341         1,475         4,16         3,100         <	
2,478         4,956         3,536         159         20         80         1,154         4,617         3,772         440         3,18         3,100         0         100         0         13,98           2,643         5,286         1,156         1,09         80         880         3,471         4,481         3,100         0         100         0         13,98           3,634         7,269         4,324         1,59         20         80         1,369         5,475         6,843         468         3,100         0         100         0         14,588           3,634         7,269         4,324         1,399         2,073         1,889         1,100         0         100         0         100         14,589           3,648         7,249         4,989         1,344         1,889         1,100         0         100         0         100         100         14,589           2,478         6,843         4,88         1,144         1,144         1,144         1,144         1,144         1,144         1,144         1,144         1,144         1,144         1,144         1,144         1,144         1,144         1,144         1,144         1,144 </td <td>36.30         159         20         80         1,154         4,617         5,772         4,42         3,180         0           27.68         159         20         80         3721         1,487         1,889         4,32         3,100         0           43.04         159         20         80         13,69         5,475         6,843         3,100         0           552.49         159         20         80         1,369         7,370         29,200         36,804         4,48         3,100         0           118.68         159         20         80         7,300         29,200         36,804         4,37         3,100         0           118.68         159         20         80         7,300         29,200         36,804         4,37         3,100         0           229.56         159         20         80         1,360         0         7,340         0         1,460         1,472         3,100         0           229.57         159         20         80         7,340         1,752         4,46         3,100         0           229.69         159         20         80         661         2,</td> <td></td>	36.30         159         20         80         1,154         4,617         5,772         4,42         3,180         0           27.68         159         20         80         3721         1,487         1,889         4,32         3,100         0           43.04         159         20         80         13,69         5,475         6,843         3,100         0           552.49         159         20         80         1,369         7,370         29,200         36,804         4,48         3,100         0           118.68         159         20         80         7,300         29,200         36,804         4,37         3,100         0           118.68         159         20         80         7,300         29,200         36,804         4,37         3,100         0           229.56         159         20         80         1,360         0         7,340         0         1,460         1,472         3,100         0           229.57         159         20         80         7,340         1,752         4,46         3,100         0           229.69         159         20         80         661         2,	
2,643         5,286         27.58         159         20         880         3,521         4,401         318         3,100         0         100         0         9,838           3,634         7,286         1,526         1169         120         120         10         10         0         100         0         14,508           3,634         7,286         13,526         11,69         120         10         10         10         0         11,509         14,508           3,634         7,826         522,40         120         10         10         0         10         0         11,509         14,508           2,974         5,947         2,2946         1,566         13,940         3,744         15,696         18870         4,37         3,100         0         10         10         10         14,508           2,974         5,947         2,949         1,940         1,94	27.68         159         20         80         3.521         4.401         3.18         3,100         0           43.04         159         20         80         17.269         5.475         6.834         4.68         3,100         0           43.04         159         20         80         1,369         5.475         6.834         4.68         3,100         0           522.49         159         20         80         7,300         29,200         36,500         4.37         3,100         0           118.68         159         20         80         7,300         29,200         36,500         4.37         3,100         0           118.68         159         20         80         7,300         29,200         36,500         4.37         3,100         0           118.68         159         20         80         7,344         15,096         18,77         3,100         0           20.80         1,960         7,342         1,552         40,857         6.03         3,100         0           20.80         1,59         20         80         6,11         3,265         40,857         6.03         3,100         0	
2,643         5,286         11,69         159         20         372         1,487         1,889         4,32         3,100         0         100         0         13,398           3,644         78,966         43,04         159         20         80         17,369         5,475         6,843         4,66         3,100         0         100         0         14,508           3,948         78,966         552,49         13,06         159         20         17,569         7,200         3,500         0         100         0         14,508           2,148         4,206         118,66         159         20         80         7,300         29,200         3,600         100         0         11,556           2,148         4,206         118,66         159         20         80         7,300         29,200         3,600         100         0         11,556         11,556         11,556         11,575         11,00         0         100         10         15,540         11,576         11,00         0         10         11,530         0         11,548         11,558         3,100         0         10         10         10         10         10         <	11.69         159         20         80         372         1,487         1,889         432         3,100         0           43.04         159         20         80         1,369         5,475         6,843         4,68         3,100         0           229.26         159         20         80         7,300         29,200         36,500         4,37         3,100         0           118.68         159         20         80         3,774         15,996         18,870         4,93         3,100         0           61.65         159         20         80         3,774         15,996         18,870         4,93         3,100         0           229.26         159         20         80         3,774         15,996         1,960         4,37         3,100         0           24.91         159         20         80         2,351         9,404         11,755         4,16         3,100         0           25.92         159         80         2,351         9,404         11,755         4,16         3,100         0           24.91         159         80         2,351         9,404         11,755         4,16	
3.634         7.289         4.304         1.369         5.475         6.843         4.68         3.10         0         100         0         14,508           3.9483         7.289         5.2249         1.7599         7.0277         8.7846         51.42         1.00         0         100         0         14,508           2.974         5.947         2.2926         1.59         2.0         8.0         3.774         15.096         18.870         4.93         1.00         0         100         0         13.240           2.974         4.956         1.380         1.784         1.966         1.870         0         1.00         0         1.3289           2.974         4.956         1.39         2.9         1.960         1.870         1.00         0         1.3289           2.974         4.956         1.96         1.96         1.340         1.1755         4.16         3.100         0         1.00         0         1.3289           2.974         5.947         2.946         1.1755         4.11         3.100         0         1.00         0         1.3289           2.974         5.947         2.946         3.11         2.3	43.04         159         20         80         1,369         5,475         6,843         4.68         3,100         0           222.56         159         20         80         7,300         29,200         36,500         4.37         3,100         0           118.68         159         20         80         3,774         15,096         18,870         4.93         3,100         0           61.65         159         20         80         3,774         15,096         18,870         4.93         3,100         0           61.65         159         20         80         1,374         15,096         1,887         4.93         3,100         0           20.80         159         20         80         2,331         9,404         11,753         4.16         3,100         0           20.80         159         20         80         7,92         3,466         3,961         1.27         3,100         0           20.80         159         20         80         8,171         32,685         40,887         6.03         3,100         0           20.80         159         20         80         2,134         2,248	
29483         78,566         552,49         17,569         70,277         87,846         51,42         10         0         159,402           2974         5,947         229,56         135         20         29,200         36,500         4.37         3,100         0         100         0         155,402           2,148         4,295         118,68         159         20         80         3,774         15,996         18870         4.93         3,100         0         100         0         155,253           2,948         4,295         118,68         159         20         80         3,774         15,996         18870         4.93         3,100         0         100         0         152,253           2,974         5,947         2,946         11,532         20         80         7,300         29,400         11,735         3,100         0         100         0         100         15,283         2,941         13,283         3,100         0         100         0         100         12,289         2,944         11,735         20         80         2,544         3,300         0         100         0         100         100         100         100	552.49         17,569         70,277         87,846         51,42           229.56         159         20         80         7,300         29,200         36,500         4.37         3,100         0           118.68         159         20         80         7,300         29,200         36,500         4.37         3,100         0           61.65         159         20         80         1,960         7,842         9,802         2.61         3,100         0           20.80         159         20         80         2,351         9,404         11,755         4,16         3,100         0           20.80         159         20         80         661         2,464         3,901         0.67         3,100         0           256.96         159         20         80         6,111         32,685         2,946         3,901         0.67         3,100         0           266.22         159         20         80         6,113         32,685         2,946         3,901         1,700         0           18.41         159         20         80         8,113         3,585         1,36         2,90         1,30         0 <td></td>	
2.974         5.947         2229.56         1.59         7.300         29.206         4.37         3.100         0         100         0         115.283           2.974         4.5947         229.56         118.68         159         20         80         3,734         15.000         43.3         3,100         0         100         0         115.283           2.974         5.965         16.65         13.9         20         80         2,314         15.000         0         100         0         115.283           2.974         5.947         2.946         13.9         20         80         2,316         3,100         0         100         0         115.283           2.974         5.947         2.6         13.9         20         80         6.4         1,755         4.16         3,100         0         100         0         12.89           2.974         5.947         2.6         13.9         20         80         6.4         3,100         0         100         0         100         100         100         100         100         100         100         100         100         100         100         100         100 <td< td=""><td>229.56         159         20         37,300         29,200         36,500         4.37         3,100         0           61.65         159         20         80         3,774         15,096         18,870         4.93         3,100         0           61.65         159         20         80         1,960         7,842         9,802         2.61         3,100         0           20.80         159         20         80         2,351         9,404         11,755         4.16         3,100         0           20.80         159         20         80         661         2,646         3,307         6.03         3,100         0           256.96         159         20         80         6171         3,268         2,40         3,400         0         3,100         0           256.96         159         20         80         6,174         3,46         2,932         1,26         3,100         0           256.96         159         20         80         8,171         3,261         1,27         3,100         0           256.96         159         20         80         8,138         2,346         2,992         <td< td=""><td></td></td<></td></td<>	229.56         159         20         37,300         29,200         36,500         4.37         3,100         0           61.65         159         20         80         3,774         15,096         18,870         4.93         3,100         0           61.65         159         20         80         1,960         7,842         9,802         2.61         3,100         0           20.80         159         20         80         2,351         9,404         11,755         4.16         3,100         0           20.80         159         20         80         661         2,646         3,307         6.03         3,100         0           256.96         159         20         80         6171         3,268         2,40         3,400         0         3,100         0           256.96         159         20         80         6,174         3,46         2,932         1,26         3,100         0           256.96         159         20         80         8,171         3,261         1,27         3,100         0           256.96         159         20         80         8,138         2,346         2,992 <td< td=""><td></td></td<>	
2,974         5,947         229.56         159         20         7,300         29,200         36,500         4,37         3,100         0         100         0         13,537           2,478         4,956         118,681         159         20         80         3,774         15,096         18870         4,93         3,100         0         100         0         115,283           2,478         4,956         1766         159         20         80         1,960         11,755         4,16         3,100         0         100         0         115,283           2,974         5,947         2,949         11,755         4,16         3,100         0         100         0         12,289           2,974         5,947         2,949         11,755         4,16         3,100         0         100         0         12,289           2,974         5,947         2,949         11,755         4,18         3,100         0         100         0         100         0         12,289           1,622         3,946         1,74         11,755         4,18         3,100         0         100         0         10         100         0         100<	229.56         159         20         80         7,300         29,200         36,500         4.37         3,100         0           61.65         159         20         80         3,774         15,096         18,870         4.93         3,100         0           61.65         159         20         80         1,960         7,842         9,802         2.61         3,100         0           24.91         159         20         80         792         3,169         3,802         2.61         3,100         0           20.80         159         20         80         792         3,169         3,801         1.27         3,100         0           20.80         159         20         80         792         3,169         3,404         11,755         4,16         3,100         0           20.80         159         20         80         792         3,169         3,400         1,27         4,100         0           20.50         159         20         80         2,138         8,532         1,069         2,40         3,100         0           40.23         159         20         80         2,134         2,496 </td <td></td>	
2,974         5,947         2,947         5,947         2,947         3,500         4,37         3,100         0         100         0         113,547           2,1982         4,295         118.66         159         20         80         3,774         15,096         18,870         4,93         3,100         0         100         0         15,253           2,478         4,956         61.65         136         29,200         3,65,00         0         100         0         100         0         15,233           2,478         5,947         2,944         1,752         4,16         1,10         0         100         0         15,233         1,239         1,20         0         100         0         100         15,233         1,239         1,230         0         100         0         100         15,233         1,239         0         1,240	229.56         159         20         7,300         29,200         36,500         4.37         3,100         0           61.65         159         20         80         3,774         15,096         18,870         4,93         3,100         0           61.65         159         20         80         1,960         7,842         9,802         2.61         3,100         0           24.91         159         20         80         2,351         9,404         11,755         4.16         3,100         0           20.80         159         20         80         2,351         9,404         11,755         4.16         3,100         0           20.80         159         20         80         8,171         32,685         1,690         2,406         3,100         0           20.80         159         20         80         2,146         2,496         3,120         0         0           40.41         159         20         80         2,249         24,960         3,120         0         0         0         0         0         0         0         0         0         0         0         0         0         0	-
2,148         4,295         118,68         159         20         3,774         15,096         18,870         4,93         3,100         0         100         0         15,283           2,974         3,966         61,656         159         20         1,960         7,940         1,755         2,61         3,100         0         100         0         15,289           2,974         5,947         24,91         159         20         80         7,921         3,100         0         100         0         12,896           2,974         5,947         24,91         159         20         80         7,921         1,47         3,100         0         100         0         12,896           1,322         2,643         20,80         159         20         80         661         2,646         3,307         0.67         3,100         0         100         0         12,396           1,322         2,643         20,80         8,171         3,265         3,100         0         100         0         100         0         100         0         12,440         1,440         1,450         1,440         1,440         1,440         1,440         1,440<	118.68         159         20         80         3,774         15,096         18.870         4,93         3,100         0           61.65         159         20         80         1,960         7,842         9,802         2,61         3,100         0           24.91         159         20         80         2,351         9,404         11,755         4.16         3,100         0           25.86         159         20         80         661         2,646         3,307         0.67         3,100         0           25.696         159         20         80         8,171         32,685         6.03         3,100         0           25.696         159         20         80         2,1346         2,347         2,937         6.03         3,100         0           18.44         159         20         80         2,146         2,346         2,937         1,920         3,100         0           42.41         159         20         80         2,346         2,346         2,40         3,100         0           42.41         159         20         80         1,349         2,346         1,36         1,30	
1,982         1,966         7,842         9,802         2,61         3,100         0         100         0         8,091           2,478         4,956         77,393         1,960         7,842         9,802         2,61         3,100         0         100         0         12,896           2,974         5,947         2,943         1,960         7,92         3,169         1,961         17,97         3,100         0         100         0         12,896           2,974         5,947         2,643         1,99         20         80         661         2,464         1,755         40         100         0         100         0         12,896           1,652         3,946         1,752         1,69         2,03         1,060         2,40         1,755         40         100         0         100         0         12,896           1,652         3,946         1,753         1,26         2,40         2,136         2,40         3,100         0         100         0         12,896           1,652         3,946         4,24         1,24         1,24         1,34         2,40         3,100         0         100         0         1,40<	61.65         159         20         80         1,960         7,842         9,802         2.61         3,100         0           73.93         159         20         80         2,351         9,404         11,755         4.16         3,100         0           20.80         159         20         80         792         3,169         3,961         1.27         3,100         0           20.80         159         20         80         661         2,646         3,307         0.67         3,100         0           256.96         159         20         80         661         2,646         3,307         0.67         3,100         0           18.44         159         20         80         2,134         2,932         1,36         3,100         0           196.23         159         20         80         2,496         3,120         1         0         0         2,496         3,100         0	
2,478         4,956         73.93         159         20         80         2,351         9,404         11,755         4.16         3,100         0         100         0         12,896           2,974         5,947         24,91         159         20         80         792         3,166         3,307         0.67         3,100         0         100         0         3,977           1,322         2,643         2,080         159         20         80         8,171         2,648         3,307         0.67         3,100         0         100         0         15,897           1,687         3,945         2,944         2,954         1,680         3,100         0         100         0         15,899           1,687         2,944         6,240         2,486         3,467         1,927         3,100         0         100         0         17,440           1,682         2,441         159         20         80         6,240         24,960         31,200         0         100         0         100         0         100         0         100         0         100         0         100         0         10         0         10	73,93         159         20         80         2,351         9,404         11,755         4.16         3,100         0           24,91         159         20         80         792         3,169         3,961         1.27         3,100         0           20,80         159         20         80         661         2,646         3,377         0.67         3,100         0           667,23         159         20         80         8,171         32,685         40,887         6.03         3,100         0           196,23         159         20         80         2,134         2,292         1,240         3,100         0           24,41         159         20         80         6,240         24,960         3,1201         7,92         3,100         0           24,241         159         20         80         1,349         5,395         6,743         1,26         3,100         0           24,32         159         20         80         1,091         4,363         5,454         1,18         3,100         0           34,30         159         20         80         1,091         4,363         3,566	
2,974         5,947         24,91         159         20         792         3,169         3,961         127         3,100         0         100         0         3,971           1,322         2,643         2,043         2,044         2,307         0.61         2,646         3,307         0.67         3,100         0         100         0         2,077           1,672         2,974         6,947         6,246         2,307         0.67         3,100         0         100         0         10,693           1,672         3,304         6,249         2,138         8,528         1,0687         0         100         0         100         0         1,440           3,965         7,930         196,23         159         20         80         6,246         2,946         1,369         3,100         0         100         0         1,440           3,965         7,930         196,23         159         20         80         6,246         2,946         1,369         3,100         0         100         0         1,440           1,982         3,964         4,269         1,346         5,395         6,743         2,52         3,100 <td< td=""><td>24.91         159         20         80         792         3.169         3.961         1.27         3,100         0           20.80         159         20         80         661         2,646         3,307         0.67         3,100         0           67.23         159         20         80         8,171         32,685         40,887         6.03         3,100         0           196.23         159         20         80         2,134         2,2932         1,36         3,100         0           196.23         159         20         80         1,349         2,496         3,1201         7,92         3,100         0           24.241         159         20         80         1,349         3,157         3,46         1,36         3,100         0           24.241         159         20         80         1,991         4,363         5,454         1,18         3,100         0           20.54         159         20         80         1,091         4,363         5,454         1,18         3,100         0           20.54         159         20         80         653         2,613         3,100         0<td></td></td></td<>	24.91         159         20         80         792         3.169         3.961         1.27         3,100         0           20.80         159         20         80         661         2,646         3,307         0.67         3,100         0           67.23         159         20         80         8,171         32,685         40,887         6.03         3,100         0           196.23         159         20         80         2,134         2,2932         1,36         3,100         0           196.23         159         20         80         1,349         2,496         3,1201         7,92         3,100         0           24.241         159         20         80         1,349         3,157         3,46         1,36         3,100         0           24.241         159         20         80         1,991         4,363         5,454         1,18         3,100         0           20.54         159         20         80         1,091         4,363         5,454         1,18         3,100         0           20.54         159         20         80         653         2,613         3,100         0 <td></td>	
1,322         2,643         2,080         159         20         661         2,648         3,307         0.67         3,100         0         100         0         2,077           2,974         5,947         2,5696         159         20         80         8,171         32,685         40,857         6.03         3,100         0         100         0         18,695           1,687         3,304         67,23         159         20         80         2,346         2,932         1360         0         100         0         18,695           3,965         7,937         196,240         2,346         2,932         1,360         0         100         0         1,420           1,882         3,643         2,346         2,346         1,349         1,362         3,100         0         100         0         1,420           1,882         2,643         80         1,349         2,346         1,36         3,100         0         100         0         1,420           1,982         2,430         1,59         20         80         1,091         4,363         3,466         1,36         3,100         0         100         0         1,421 <td>20.80         159         20         80         661         2,646         3,307         0.67         3,100         0           256.96         159         20         80         8,171         32,685         40,857         6.03         3,100         0           67.23         159         20         80         2,138         8,552         10,680         2,40         3,100         0           196.23         159         20         80         6,240         24,960         31,201         7.92         3,100         0           24.82         159         20         80         1,349         5,395         6,743         1,202         0           24.82         159         20         80         1,991         4,365         3,100         0           24.82         159         20         80         1,091         4,365         3,100         0           24.82         159         20         80         1,091         4,365         3,100         0           24.82         159         20         80         277         1,107         1,383         0,58         3,100         0           20.54         159         20</td> <td></td>	20.80         159         20         80         661         2,646         3,307         0.67         3,100         0           256.96         159         20         80         8,171         32,685         40,857         6.03         3,100         0           67.23         159         20         80         2,138         8,552         10,680         2,40         3,100         0           196.23         159         20         80         6,240         24,960         31,201         7.92         3,100         0           24.82         159         20         80         1,349         5,395         6,743         1,202         0           24.82         159         20         80         1,991         4,365         3,100         0           24.82         159         20         80         1,091         4,365         3,100         0           24.82         159         20         80         1,091         4,365         3,100         0           24.82         159         20         80         277         1,107         1,383         0,58         3,100         0           20.54         159         20	
2,974         5,947         256,96         159         20         80         8,171         32,685         6.03         3,100         0         100         0         10,890           1,652         3,304         67,23         159         20         80         2,138         8,552         10,690         240         3,100         0         100         0         7,440           1,687         2,974         18,44         159         20         80         5,496         31,201         7,92         100         0         100         0         7,440           1,322         2,643         42,41         159         20         80         6,496         31,201         7,92         1,00         0         100         7,440           1,982         2,643         1,59         20         80         7,89         5,173         3,100         0         100         7,440           1,982         2,643         1,69         20         80         7,89         3,170         0         100         0         7,440           1,982         2,643         3,10         1,99         1,99         2,99         6,434         1,36         1,436         3,100	256.96         159         20         80         8,171         32,685         40,857         6.03         3,100         0           67.23         159         20         80         2,138         8,552         10,690         2.40         3,100         0           18.44         159         20         80         5,246         2,346         2,932         1.36         3,100         0           42.41         159         20         80         1,349         5,395         6,743         2.52         3,100         0           24.82         159         20         80         1,349         5,395         6,743         2.52         3,100         0           24.82         159         20         80         1,349         5,395         6,743         2.52         3,100         0           20.82         159         20         80         1,091         4,363         5,454         1,18         3,100         0           20.54         159         20         80         277         1,107         1,383         0,58         3,100         0           20.60         159         80         26         2,544         4,800         3,1	
1,652         3,304         67.23         159         20         80         2,138         8,532         10,690         240         3,100         0         100         0         7,440           1,487         2,974         18,44         159         20         80         5,246         2,496         31,201         7.92         3,100         0         100         0         24,216           3,965         7,930         196,23         159         20         80         6,240         24,966         31,201         7.92         3,100         0         100         0         24,216           1,322         2,643         4,241         159         20         80         1,349         5,395         6,743         252         3,100         0         100         0         24,216           2,313         4,626         34,30         159         20         80         1,349         5,395         6,744         1,383         3,100         0         100         0         7,812           1,322         2,643         8,70         1,89         2,345         1,383         0.58         3,100         0         100         0         1,216           2,148 <td>67.23         159         20         80         2,138         8,552         10,690         240         3,100         0           18.44         159         20         80         586         2,346         2,932         1,36         3,100         0           42.41         159         20         80         6,240         24,960         31,201         7,92         3,100         0           24.82         159         20         80         1,349         5,395         6,743         252         3,100         0           24.82         159         20         80         1,091         4,363         5,454         1,18         3,100         0           3.4.30         159         20         80         1,091         4,363         5,454         1,18         3,100         0           20.54         159         20         80         277         1,107         1,383         0,58         3,100         0           20.54         159         20         80         653         2,613         3,180         0         1,480         3,100         0           30.19         159         20         80         636         2,544</td> <td></td>	67.23         159         20         80         2,138         8,552         10,690         240         3,100         0           18.44         159         20         80         586         2,346         2,932         1,36         3,100         0           42.41         159         20         80         6,240         24,960         31,201         7,92         3,100         0           24.82         159         20         80         1,349         5,395         6,743         252         3,100         0           24.82         159         20         80         1,091         4,363         5,454         1,18         3,100         0           3.4.30         159         20         80         1,091         4,363         5,454         1,18         3,100         0           20.54         159         20         80         277         1,107         1,383         0,58         3,100         0           20.54         159         20         80         653         2,613         3,180         0         1,480         3,100         0           30.19         159         20         80         636         2,544	
1,487         2,974         18.44         159         20         80         586         2,346         2,932         1.36         3,100         0         100         0         24,552           3,965         7,930         196.23         159         20         80         6,240         24,960         31,201         7.92         3,100         0         100         0         24,552           1,322         2,643         42,41         159         20         80         7,89         3,157         3,946         1.36         3,100         0         100         0         24,552           1,982         3,965         24.82         159         20         80         7,89         3,157         3,946         1.36         3,100         0         100         0         24,216           1,382         2.63         8.0         1,991         4,363         5,44         1.18         3,100         0         100         0         1,758           1,622         3,204         1,89         3,157         1,383         0.58         3,100         0         100         0         1,759           1,622         3,204         2,49         3,263         3,564 <td>18.44         159         20         80         586         2,346         2,932         1.36         3,100         0           196.23         159         20         80         6,240         24,960         31,201         792         3,100         0           24.82         159         20         80         1,349         5,395         6,743         2.52         3,100         0           24.82         159         20         80         789         3,157         3,946         1.36         3,100         0           8.70         159         20         80         1,091         4,363         5,454         1.18         3,100         0           20.54         159         20         80         277         1,107         1,383         0.58         3,100         0           20.54         159         20         80         653         2,613         3,266         1,65         3,100         0           20.00         159         20         80         653         2,544         3,180         0         1,100         0           8.06         159         20         80         660         3,840         4,800         &lt;</td> <td></td>	18.44         159         20         80         586         2,346         2,932         1.36         3,100         0           196.23         159         20         80         6,240         24,960         31,201         792         3,100         0           24.82         159         20         80         1,349         5,395         6,743         2.52         3,100         0           24.82         159         20         80         789         3,157         3,946         1.36         3,100         0           8.70         159         20         80         1,091         4,363         5,454         1.18         3,100         0           20.54         159         20         80         277         1,107         1,383         0.58         3,100         0           20.54         159         20         80         653         2,613         3,266         1,65         3,100         0           20.00         159         20         80         653         2,544         3,180         0         1,100         0           8.06         159         20         80         660         3,840         4,800         <	
3,665         7,930         196.23         159         20         80         6,240         24,960         31,201         7.92         3,100         0         100         0         24,552           1,322         2,643         42,41         159         20         80         1,349         5,395         6,743         2.52         3,100         0         100         0         7,812           1,322         2,643         4,626         34,30         159         20         80         789         3,157         3,946         1.36         3,100         0         100         0         4,216           2,313         4,626         34,30         159         20         80         779         3,157         1,394         5,454         1.18         3,100         0         100         0         4,216           1,322         2,643         8.70         159         20         80         653         2,613         3,266         1,65         3,100         0         100         0         1,798           2,148         4,295         31,20         80         653         2,644         3,180         2,23         3,100         0         100         0	196.23         159         20         80         6,240         24,960         31,201         792         3,100         0           42.41         159         20         80         1,349         5,395         6,743         2.52         3,100         0           24.82         159         20         80         789         3,157         3,946         1.36         3,100         0           34.30         159         20         80         7,89         3,157         3,946         1.38         3,100         0           20.54         159         20         80         277         1,107         1,383         0.58         3,100         0           20.54         159         20         80         653         2,613         3,266         1.65         3,100         0           20.00         159         20         80         653         2,613         3,266         1.65         3,100         0           20.00         159         20         80         636         2,544         3,180         2,43         3,100         0           8.96         159         20         80         266         3,840         4,806	
1,322         2,643         42.41         159         20         80         1,349         5,395         6,443         2.52         3,100         0         100         0         4,216           1,932         3,965         24.82         159         20         80         789         3,157         3,946         1.36         3,100         0         100         0         4,216           2,313         4,626         34.30         159         20         80         1,091         4,363         5,454         1.18         3,100         0         100         0         3,558           1,622         3,304         20,54         159         20         80         653         2,613         3,266         1,65         3,100         0         100         0         1,798           2,148         4,295         31,22         159         20         80         653         2,544         3,180         2,43         3,100         0         100         0         1,798           2,148         4,295         30,19         159         20         80         636         2,544         3,180         2,43         3,100         0         100         0         1,7	42.41         159         20         80         1,349         5,395         6,743         2.52         3,100         0           24.82         159         20         80         789         3,157         3,946         1.36         3,100         0           34.30         159         20         80         1,091         4,363         5,454         1.18         3,100         0           20.54         159         20         80         277         1,107         1,383         0.58         3,100         0           20.54         159         20         80         653         2,613         3,266         1.65         3,100         0           31.32         159         20         80         653         2,613         3,266         1.65         3,100         0           20.00         159         20         80         636         2,544         3,180         2,43         3,100         0           8.96         159         20         80         286         3,840         4,800         3,14         3,100         0           1.336,95         15         20         80         286         1,140         1,425	
1,982         3,965         24.82         159         20         80         789         3,157         3,946         1.36         3,100         0         100         0         4,216           2,313         4,626         34.30         159         20         80         1,091         4,363         5,454         1.18         3,100         0         100         0         3,558           1,622         3,304         20,54         159         20         80         653         2,613         3,266         1,65         3,100         0         100         0         1,798           2,148         4,295         31,32         159         20         80         653         2,643         3,100         0         100         0         1,798           2,774         5,947         20,00         159         20         80         636         2,544         3,180         2,43         3,100         0         100         0         1,753           2,574         5,947         20,00         159         20         80         636         2,544         3,180         2,43         3,100         0         100         0         7,533           2,643 <td>24.82         159         20         80         789         3,157         3,946         1.36         3,100         0           34.30         159         20         80         1,091         4,363         5,454         1.18         3,100         0           20.54         159         20         80         277         1,107         1,383         0.58         3,100         0           20.54         159         20         80         653         2,613         3,266         1.65         3,100         0           20.00         159         20         80         653         2,613         3,266         1.65         3,100         0           20.00         159         20         80         653         2,644         3,180         2.43         3,100         0           8.06         159         20         80         960         3,840         4,800         3,14         3,100         0           8.06         159         20         80         285         1,140         1,425         0.76         3,100         0           1,336,95         1         20         80         20         6,019         7,524</td> <td></td>	24.82         159         20         80         789         3,157         3,946         1.36         3,100         0           34.30         159         20         80         1,091         4,363         5,454         1.18         3,100         0           20.54         159         20         80         277         1,107         1,383         0.58         3,100         0           20.54         159         20         80         653         2,613         3,266         1.65         3,100         0           20.00         159         20         80         653         2,613         3,266         1.65         3,100         0           20.00         159         20         80         653         2,644         3,180         2.43         3,100         0           8.06         159         20         80         960         3,840         4,800         3,14         3,100         0           8.06         159         20         80         285         1,140         1,425         0.76         3,100         0           1,336,95         1         20         80         20         6,019         7,524	
2.313         4,626         34.30         1.091         4,363         5,44         1.18         3,100         0         100         0         3.688           1,322         2,643         8.70         159         20         80         277         1,107         1,383         0.58         3,100         0         100         0         1,798           1,652         3,304         20,54         159         20         80         653         2,613         3,266         1.65         3,100         0         100         0         1,798           2,148         4,295         31,32         159         20         80         659         3,984         4,980         2.20         3,100         0         100         0         5,115           2,974         5,947         20.00         159         20         80         636         2,544         3,180         2.43         3,100         0         100         0         5,115           2,974         5,947         20.00         159         20         80         636         2,544         3,180         2.43         3,100         0         100         0         7,533           2,448         5,2	34.30 159 20 80 1.091 4.363 5.454 118 3.100 0 8.70 159 20 80 277 1,107 1,383 0.58 3,100 0 20.54 159 20 80 653 2.613 3.266 1.65 3,100 0 20.00 159 20 80 636 2.544 3,180 2.43 3,100 0 8.96 3,844 4,980 2.20 3,100 0 30.19 159 20 80 636 2,544 3,180 2.43 3,100 0 8.96 159 20 80 285 1,140 1,425 0.76 3,100 0 1,386,44 4,980 2.159 20 80 1,505 6,019 7,524 4,18 3,100 0 1,386,44 6,0084 240,337 300,421 107.14	
1,322         2,643         8.70         159         20         80         277         1,107         1,335         0.58         3,100         0         100         0         1,798           1,652         3,304         20,54         159         20         80         653         2,613         3,266         1,65         3,100         0         100         0         5,115           2,148         4,295         31,32         159         20         80         996         3,984         4,980         2.20         3,100         0         100         0         6,820           2,974         5,947         20,00         159         20         80         636         2,544         3,180         2.43         3,100         0         100         0         6,820           2,947         5,947         20,00         159         20         80         960         3,840         4,800         3,14         3,100         0         100         0         7,533           2,448         5,286         8,96         159         20         80         1,505         6,019         7,524         4,18         3,100         0         100         0         12,98 </td <td>8.70         159         20         80         277         1,107         1,383         0.58         3,100         0           20.54         159         20         80         996         3,984         4,980         2.20         3,100         0           20.00         159         20         80         996         3,984         4,980         2.20         3,100         0           20.00         159         20         80         636         2,544         3,180         2.43         3,100         0           8.96         159         80         960         3,840         4,800         3,14         3,100         0           8.96         159         20         80         285         1,140         1,425         0.76         3,100         0           47.32         159         20         80         1,505         6,019         7,524         4,18         3,100         0           1,336,95         1,389,44         60,084         240,337         300,421         107.14         1</td> <td></td>	8.70         159         20         80         277         1,107         1,383         0.58         3,100         0           20.54         159         20         80         996         3,984         4,980         2.20         3,100         0           20.00         159         20         80         996         3,984         4,980         2.20         3,100         0           20.00         159         20         80         636         2,544         3,180         2.43         3,100         0           8.96         159         80         960         3,840         4,800         3,14         3,100         0           8.96         159         20         80         285         1,140         1,425         0.76         3,100         0           47.32         159         20         80         1,505         6,019         7,524         4,18         3,100         0           1,336,95         1,389,44         60,084         240,337         300,421         107.14         1	
1,622         3,304         20,54         159         20         80         653         2,613         3,266         1.65         3,100         0         100         0         5,115           2,974         4,295         31,32         159         20         80         996         3,984         4,980         2.20         3,100         0         100         0         6,820           2,974         5,947         20,00         159         20         80         636         2,544         3,180         2.43         3,100         0         100         0         7,533           2,643         5,286         8.96         159         20         80         960         3,840         4,800         3,14         3,100         0         100         0         7,533           2,643         5,286         8.96         159         20         80         1,505         6,019         7,524         4,18         3,100         0         100         0         2,356           2,478         4,966         47,322         159         20         80         1,505         6,019         7,575         4,18         3,100         0         100         0         12,9	20.54         159         20         80         653         2,613         3,266         1,65         3,100         0           31.32         159         20         80         996         3,984         4,980         2,20         3,100         0           20.00         159         20         80         636         2,544         3,180         2,43         3,100         0           8.96         159         20         80         285         1,140         1,425         0.76         3,100         0           47.32         159         20         80         1,505         6,019         7,524         4.18         3,100         0           1,336.95         42,515         170,060         212,575         55.72         3,100         0           1,889.44         60,084         240,337         300,421         107.14         1	
2,748         4,295         31.32         159         20         80         996         3,984         4,980         2.20         3,100         0         100         0         6,820           2,974         5,947         20.00         159         20         80         636         2,544         3,180         243         3,100         0         100         0         7,533           2,313         4,626         30.19         159         20         80         960         3,840         4,800         3,14         3,100         0         100         0         7,533           2,643         5,286         8,96         159         20         80         2,840         4,800         3,14         0         100         0         9,734           2,478         4,956         47.32         159         20         80         1,505         6,019         7,574         4,18         3,100         0         100         0         12,958           45,100         90,199         1,336.95         2         80         2,515         170,060         212,575         55.72         3,100         0         100         0         172,732           84,582	31.32 159 20 80 996 3.984 4,980 2.20 3.100 0 20.00 159 20 80 636 2,544 3,180 2.43 3,100 0 80 636 2,544 4,800 3,14 3,100 0 8.96 159 20 80 285 1,140 1,425 0.76 3,100 0 1,306,95 1,306,00 7,524 4,18 3,100 0 1,306,95 1,100 0 7,524 4,18 3,100 0 1,306,95 1,100 0 1,505 6,019 7,524 4,18 3,100 0 1,889,44 60,084 240,337 300,421 107.14	
2,1374         3,5847         2,000         159         20         30	20.00 159 20 80 576 2,544 3,180 2.43 3,100 0 80 80 636 2,544 4,800 3,140 0 80 80 660 80 1,340 4,800 3,140 0 8,100 0 8,100 1,500 1,30	
2,974         5,947         20,00         159         20         80         950         3,400         4,800         3,140         0         100         0         7,534           2,313         4,626         30,19         159         20         80         960         3,840         4,800         3,140         0         100         0         9,734           2,643         5,286         8,96         159         20         80         2,835         1,140         1,425         0,76         3,100         0         100         0         2,336           2,478         4,956         47,32         159         20         80         1,505         6,019         7,524         4,18         3,100         0         100         0         12,958           45,100         90,199         1,336,53         20         80         1,505         6,019         7,524         4,18         3,100         0         100         0         172,938           45,100         90,199         1,336,53         20         80         42,515         170,060         212,575         55.72         3,100         0         100         0         172,732           84,582 <td< td=""><td>20,00 159 20 80 050 2,544 5,180 243 5,100 0 30,19 159 20 80 960 3,840 4,800 3,14 3,100 0 8,96 159 20 80 1,505 6,019 7,524 4,18 3,100 0 1,336,95 420,337 300,421 107.14</td><td></td></td<>	20,00 159 20 80 050 2,544 5,180 243 5,100 0 30,19 159 20 80 960 3,840 4,800 3,14 3,100 0 8,96 159 20 80 1,505 6,019 7,524 4,18 3,100 0 1,336,95 420,337 300,421 107.14	
2,313         4,626         30,19         159         20         80         960         3,840         4,800         3,14         3,100         00         100         0         9,734           2,643         5,286         8.96         159         20         80         2,85         1,140         1,425         0.76         3,100         0         100         0         2,356           2,478         4,956         47.32         159         20         80         1,505         6,019         7,524         4,18         3,100         0         100         0         12,938           45,100         90,199         1,336,95         1,336,95         42,515         170,060         212,575         55.72         3,100         0         100         0         172,732           84,582         169,165         1,889,44         60,084         240,337         300,421         107.14         0         332,134	30.19 159 20 80 960 3.840 4,806 3.14 3,100 0 8.96 159 20 80 2.85 1,140 1,425 0.76 3,100 0 47.32 159 20 80 1,505 6,019 7,524 4,18 3,100 0 1,336,95 420,337 300,421 107.14	
2,643         5,286         8,96         159         20         80         285         1,140         1,425         0.76         3,100         0         100         0         2,356           2,478         4,956         47.32         159         20         80         1,505         6,019         7,524         4,18         3,100         0         100         0         12,958           45,100         90,199         1,336,95         20         80         1,505         6,019         7,524         4,18         3,100         0         100         0         12,958           45,100         90,199         1,336,95         42,515         170,060         212,275         55.72         9         0         172,732           84,582         169,165         1,889,44         60,084         240,337         300,421         107.14         0         332,134	8.96 159 20 80 285 1,140 1,425 0.76 3,100 0 47.32 159 20 80 1,505 6,019 7,524 4.18 3,100 0 1,336,95 42,515 170,060 212,575 55.72 1,889.44 60,084 240,337 300,421 107.14	
2,478         4,956         47.32         159         20         80         1,505         6,019         7,524         4.18         3,100         0         100         0         12,958           45,100         90,199         1,336,95         42,515         170,060         212,575         55.72         0         0         172,732           84,582         169,165         1,889,44         60,084         240,337         300,421         107.14         0         332,134	47.32     159     20     80     1,505     6,019     7,524     4.18     3,100     0       1,336,95     42,515     170,060     212,575     55.72     30.72       1,889,44     60,084     240,337     300,421     107.14	
45,100     90,199     1,336,95     42,515     170,060     212,575     55.72     0     172,732       84,582     169,165     1,889,44     60,084     240,337     300,421     107.14     0     332,134	1,336.95     42,515     170,060     212,575     55.72       1,889.44     60,084     240,337     300,421     107.14	
84,582 169,165 1,889.44 60,084 240,337 300,421 107.14 0 332,134	1,889.44 60,084 240,337 300,421	
84,582 169,165 1,889,44 60,084 240,337 300,421 107.14 0 332,134	1,889.44 60,084 240,337 300,421	
84,582 169,165 1,889,44 60,084 240,337 300,421 107.14 0 332,134	1,889.44 60,084 240,337 300,421	

p)

Fig. HD 5(1) : BQ of Construction and Rehabilitation Works of Flood Wall - Heightening

## HEIGHTENING EXISTING FLOOD WALL



H = 0.5mH + 0.15 m = 0.5 + 0.15 = 0.65m

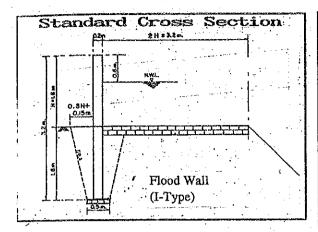
- 1) Chipping = 0.11m 0.15m x 1m = 0.0165m3
- 2) Heightening: h+0.15 = 0.5+0.15 = 0.65m(R.C.C) =  $0.65m \times 0.11m \times 1m = 0.0715m$
- 3) Form Work: 0.65 m x 1 m x 2 = 1.3 m 2

### HEIGHTENING

HEIGHTENING	1					
Heightening	Chipping	R.C.C	Form			
of Flood Wall	Volume	Volume	Work	Remarks		
(m)	m3	m3	m2			
H = 0.3  m	0.0165	0.0495	0.90	Chipping required same		
H = 0.5  m	0.0165	0.0715	1.30	in all the flood wall to		
H = 0.8 m	0.0165	0.1045	1.90	be raised.		

Fig. HD 5(2) : BQ of Construction and Rehabilitation Works of Flood Wall - Heightening - I Type Wall

### CONSTRUCTION OF NEW I-TYPE FLOOD WALL



H = 1.0m 2H = 2 x 1.0m = 2.0m/ (H+0.08 = 1.0+0.08) = 1.08m) 0.3H+0.15~ 0.3 x1.08+0.15 = 0.474m

- 1)  $RCC = 0.2m \times 2.0m \times 1.0m = 0.4m3$
- 2) Form Work =  $2m \times 2 \times 1m = 4m^2$
- 3) Excavation = (0.474 m x 2+0.2)+0.50)  $\times 1.08 = 0.89 \text{m}$ 3
- 4) Back fill =  $0.89 \text{ m}3 0.2 \text{m} \times 1.08 \text{m} = 0.68 \text{m}3$
- 5) Brick soling = 2H, 2mx1m = 2m2 (Top) Total = 2.25 m2

FLOOD WALL (I-TYPE).

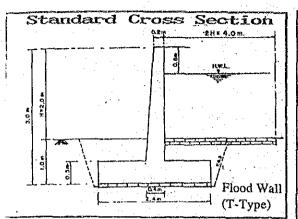
10000 111000							
Wall Height	R. C. C.	Form	Form Exca- Work vation m2/m m3/m	Back fill m3/3	Brick Soling (m2/m)		
(Hm)	m3/m	200			Foot Protection	Under base	Remark
H = 1.0 m	0.4	4	0.89	0.68	4.0	0.25	
H = 1.5m	0.6	6	1.54	1.22	4.0	0.25	1 m is taken as unit
H = 2.0m	0.8	8	2.34	1.93	4.0	0.25	length

Fig. HD 5(3)

: BQ of Construction and Rehabilitation Works of

Flood Wall - Heightening - T Type Wall

### CONSTRUCTION OF NEW T-TYPE FLOOD WALL



H = 2.0 m/H + 0.4 = 2 + 0.4 = 2.4 m

1) RCC work : (0.2+0.4)m x 2.5m x 1m = 0.75 m3

(2+0.4)m x 0.5m x 1m =  $\frac{1.20$ m3 = 1.95m3

2) Bricksoling (2+0.4)m x 1m = 2.4 m<sup>2</sup>

3) Excavation:  $(0.3 \times 1.08 \times 2 + 0.15 \times 2 + 2.0 + 0.4)$ m = 3.348m

 $2.0 + 0.4 + 0.15 \times 2 = 2.7 \text{ m}$ 

(3.348 + 2.7)m x 1.08m x 1m = 3.266m3

\_\_\_\_2

4) Form Work:  $(2.0 + 1.0) \times 2 = 6m^2$ 

5) Backfill:  $3.266 - \{2.4 \times 0.58 + \underline{(0.4 + 0.36)} \times 0.5\} = 1.684 \text{m}$ 

### FLOOD WALL (T)

### FLOOD WALL (T-TYPE).

12002 111202		•	1				*
T-Wall Height	R. C. C.	Form	Exca-	Back	Brick Soling m2/m		
(Hm)		Work	vation	fill	Foot	Under	Remarks
		m2/m.	m3/m	m3/m	Protection	base	
			. 13				
H = 2.0  m	1.95	6	3.266	1.684	4	2.4	Brick soling required
H = 2.5 m	2.35	. 7	3.806	1.934	5	2.9	only under the base slab.
H = 3.0  m	2.75	8	4.346	2.184	6	3.4	

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Table BQ 3.1(1): Narayanganj West - Base of BQ of Embankment (NW)

Each Stage U = 80% S.U. (m) S.D. (m) B. Width Station Distance Accumulative Ground Top of Embankment Design 1st 3rd Mater Stage Distance Elevation Embankment Height N Stage Stage NW 0 0.0 0.0 5.42 7.96 2.54 2.00 2.54 29.7 24.2 13.0 39.0 7.96 2.00 15.5 14.2 5.4 5.4 39.0 6.26 1.70 1.70 2 200.0 239.0 5.36 7.97 2.61 2.00 2.61 31.4 24.7 8.3 13.3 5.25 34.4 25,4 8.6 13.6 3 200.0 439.0 7,98 2.73 2.00 2.73 4 200.0 639.0 5,85 7.99 2.14 2.00 2.14 22.3 16.8 6.8 6.8 6.51 12.6 4.7 200.0 839.0 8.00 1.49 2.00 1.49 12.9 4.7 17,5 7.1 7.1 5.75 24.3 6 200.0 1,039.0 8.01 2.26 2.00 2.26 200.0 1,239.0 5.49 8.01 2.52 2.00 2.52 29.4 24,1 8.0 13.0 1,439.0 2.96 2.96 8 200.0 2.00 40.5 26.8 9.4 14,4 5.06 8.02 3.5 10.7 3.5 Q 200.0 1,639.0 6.91 8.03 1.12 2.00 1.12 8,3 10 200.0 1,839.0 6.03 8.04 2.00 20.2 16.1 6.4 6.4 2.01 2.01 2.96 2.00 2.96 40.4 26.8 9.4 14.4 200.0 2,039.0 8.05 11 5,09 41.5 14.5 27.0 9.5 12 200.0 2,239.0 5.07 8.07 3.00 2.00 3.00 12 200.0 2,439.0 6.75 8.09 1.34 2.00 1.34 10.7 12.0 4.2 4.2 2,639.0 2.00 17.2 14.9 5.7 5.7 14 200.0 6.29 8.11 1.82 1.82 9.8 15 200.0 2,839.0 5.02 8.13 3.11 2.00 3.11 44.4 27.6 14.8 3,039.0 6.06 2.00 21.4 16.5 6.6 6.6 16 200.0 8.15 2.09 2.09 3,239.0 2.00 17.8 15.1 5.9 5.9 200.0 17 6.31 8.17 1.86 1.86 18 200.0 3,439.0 5.30 8.19 2.89 2.00 2.89 38.5 26.3 9.1 14:1 3,639.0 4.77 3.44 2.00 53.8 29.6 10.9 15.9 19 200.0 8.21 3.44 2.00 14.6 5.6 5.6 3,839.0 1.77 16.6 20 200.0 6.45 8.22 1.77 21 200.0 4,039.0 6.55 8.24 1.69 2.00 1.69 15.4 14.2 5.4 5.4 5.0 200.0 4,239.0 8.26 1.59 2.00 1.59 14.0 13.6 5.0 22 6.67 2.19 2.00 23.2 17,2 6.9 6.9 23 200.0 4,439.0 6.09 8.28 2.19 24 200.0 4,639.0 5.20 8.30 3.10 2.00 3.10 44.3 27.6 9.8 14.8 4,839.0 5.27 2.00 42.9 27.3 9.7 14.7 3.05 3.05 25 200.0 8.32 47.6 2.00 28 3 26 200.0 5,039.0 5.12 8.34 3.22 3.22 10.2 15.2 5,239.0 5.22 3.14 2.00 3:14 45.4 27.8 9.9 14.9 27 200.0 8.36 2.00 5.79 2.59 30.9 24.5 8.2 13.2 28 200.0 5,439.0 8.38 2.59 2.00 4 9 29 200.0 5,639.0 6.86 8.40 1.54 1.54 13.3 13.2 4.9 617.5 222.9 297.9 AVE 2.43 847.9 MAX 3.44 MIN 1.12

Table BQ 3.1(2): Narayanganj West - Stage Construction of Embankment (NE)

						Each S	tage U	× 80%					
Station	Distance	Accumulative Distance	Ground Elevation	Top of Embankment	Embankment Height	Design N	1st Stage	2nd Stage	3rd Stage	Mater	B. Width	S.U. (m)	S.D. (m)
NE 62	0.0	14,430.0	4.52	8.35	3,83	7.50	3.83			66.0	32.0	12.1	17.1
62A	55.0	14,485.0	7.10	8.35	1.25	7.50	1.25			9.7	11.5	4.0	4.0
63	200.0	14,685.0	6.76	8.36	1.60	7.50	1.60			14.1	13.6	5.1	5.1
64	200.0		7.04	8.37	1.33	7.50	1,33			10.7	12.0	4.2	4.2
65	200.0	15,085.0	4.29	8.38	4.09	2.00	3,67	0.42		74.8	36.6	15.9	17.9
66	200.0	15,285.0	4.32	8.39	4.07	2.00	3.67	0.40		74.1	36.4	15.9	17.9
67	200.0	15,485.0	4.79	8.40	3.61	2.00	3.61			59.1	30.7	11.4	16.4
68	200.0		6.12	8.41	2.29	7.50	2.29			24.9	17.8	7.2	7.2
69	200.0		4.86	8.42	3.56	7.50	3.56	:		57.6	30.4	11.3	16.3
70	200.0			8.43	4.22	2.00	3.67	0.55	·	79.6		16.3	18.3
71	200.0	16,285.0	7.80	8.44	0.64	7.50	0.64			3.8		2.0	2.0
-(1	179.0	16,464.0	2.70	8.45	5.75	2.00	3.67	2.08		145.9		21.2	26.2
-1	250.0		5.24	8.45	3.21	7.50	3.21			47.3	28.3	10.2	15.2
-2	250.0			8.45	4.54	7.50	4.54			91.8		17.4	19.4
-3	250.0			8.45	3.87	2.00	3.87			67.3		12.2	17.2
3	296.0			8.45	4.95	2.00	4.95			108.4		18.7	20.7
2	250.0			8.45	5.40	2.00	5.40			129.0		20.1	25.1
1	250.0			8.45	3.13	7.50	3.13			45.1	27.8		
(1)	250.0				5.95	2.00	. 5.95			156.0		21.8	
72	69.0			8.45	1.01	7.50	1.01			7.1	10.1	3.2	
73	201.0		5.31	8.46	3.15	7.50	3.15			45.6		10.0	
74	200.0			8.47	2.12	7.50	2.12			22.0			
75	200.0		6.27	8.48	2.21	7.50	2.21			23.5		7.0	
76	200.0			8.49	1.92	7.50	1.92			18.7			
77	200.0			8.50	3.78	7.50	3.78			64.4		11.9	
78	200.0			8.51	3.04	7.50	3.04			42.6			
79	200.0			8.52	2.33	7.50	2.33			25.6			
80	200.0	19,930.0	6.15	8.53	2.38	7.50	2.38			26.5			
81	200.0	20,130.0	7.16	8.54	1.38	7.50	1.38			11.2			
82	200.0		6.41	8.55	2.14	7.50	2.14			22.3		+	
83	200.0			8.56	2.38	7.50	2.38	1		26.5			
84	200.0			8.57	2.03	7.50	2.03	<u> </u>		20.	<del></del>		
85	200.0		<del></del>	8.58	1.75	7.50	1.75	<u></u>	<u> </u>	16.2		<del></del>	
86	200.0			8.59	1.68	7.50	1.68		<u> </u>	15.2		<del></del>	
87	200.0				1.70	7.50	1.70			15.4	14.2	<del>                                     </del>	+
				AVE	2.92			814.50		1668.	878.0	347.6	417.6
				MAX	5.95	[		14.3%		1	1		
				MIN	0.64			i		1 .	i		

Table BQ 3.2(1): Narayanganj West - B.Q of Embankment (NW)

Station	Distance	Accumulative	Ground	Top of	Embankment	Emb.Area	Emb.	Acc. Volume		Land Area	Acc Land	Remarks
No		Distance	Elevation	Embankment	Haight		Volume	·	30.0		Area	
	(m)	(m)	(pwd)	(pwd)	(m)	(m2)	(m3)	(m3)	(m)		(m2)	
VW 0	0.0	0.0	5.42	7.96	2.54	29.7			54.2			
1	39.0	39.0	6.26	7.96	1.70	15.5	881.4	881.4	44.2		1918.8	Ì
2	200.0	239.0	5.36	7.97	2.61	31.4	4690.0	5571.4	54.7	9890.0	11808.8	
3	200.0	439,0	5.25	7.98	2.73	34.4	6580.0	12151.4	55.4		22818.8	l
4	200.0	639.0		7.99	2.14	22.3	5670.0	17821.4	46.8		33038.8	4
5	200.0	839.0		8.00	1.49	12.6	3490.0	21311.4	42.9			L=1.539k
	200.0	1,039.0		8.01	2.26	24.3	3690.0	25001.4	47.5			
<del>- 7</del>	200.0	1,239.0		8.01	2.52	29.4	5370.0	30371.4	54.1	<del></del>	61208.8	
8	200.0		5,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		2.96	40.5	6990.0	37361.4	56.8			
8+100	100.0			8.02	2.04	24.4	3245.0	40606.4	48.8		77576.3	
9	100.0			8.03	1.12	8.3	1635.0	42241.4	40.7		82048.8	-₹
10	200.0			8.04	2.01	20.2	2850.0	45091.4	46.1			4
11	200.0			8.05	2.96	40.4	6060.0	51151.4	56.8			-1
12	200.0			8.07	3.00	41.5	8190.0	59341.4	57.0			(
12	200.0	2,439.0			1.34	10.7	5220.0	64561.4	42.0			Road-Cu
14	200.0				1.82	17.2	2790.0	67351.4	44.9		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
15	200.0				3.11	44.4	6160.0	73511.4	57.6			L=4.1 km
16	200.0				2.09	21.4	6580.0	80091.4	46.	5 10410.0	151648.	<u> </u>
17	200.0			8.17	1,86	17.8	3920.0	84011.4	45.			-1
18	200.0				2.89	38.5	5630.0	89641.4	56.3			4
19	200.0				3,44	53.8	9230.0	98871.4	59.6	6 11590.0		₹
20	200.0			·	1.77	16.6	7040.0	105911.4	44.6			-
21	200.0			8.24	1.69	15.4	3200.0	109111.4	44.	2 8880.0	201838.	<u>8</u>
22	200.0			8.26	1.59	14.0	2940.0	112051.4	43.			
23	200.0				2.19	23.2	3720.0	115771.4	47.			<b>-</b> 1
24	200.0				3.10	44.3	6750.0	122521.4	57.			-1
25	200.0				3.05	42.9	8720.0	131241.4	57.	3 11490.0		<b>-</b> 4
	200.0		<del></del>		3.22	47.6	9050.0	140291.4	58.	3 11560.0		
26	200.0				3.14	45.4	9300.0	149591.4	57.			-
27	200.0		<del></del>		2.59	30.9	7630.0	157221.4	54.	5 11230.	276068.	8]
28					1.54	13.3	4420.0	<del></del>	43.	2 9770.	285838.	8
29	200.0	J 3,039.0	y v.oc	9.70		1	Total=	161641		Total=	285839	
							, Oub-					
									30.	0		

Table BQ 3.2(2): Narayanganj West-B.Q of Embankment (NW)

Station	Distance	Accumulative	Ground Elevation	Top of Emb.	Emb. Height	Slope (R) & Berm	Sodding	Accum. Sodding		Slope (C) (-)5m/3m	Sodding	Accum. Sodding	Brick Soling L*5m/3m
No		Distance (m)	(bwq)	(pwd)	(m)	(m2)	(m2)	(m2)		(m)	(m2)	(m2)	(m2)
	(m)			7.96	2.54	8.0	(IIIZ)	(inz)	**	8.0			
NW 0	0.0	39.0		7.96	1.70	5.4	261.3	261.3		5.4	261	261	l
1	39.0 200.0	239.0		7.97	2.61	8.3	1370.0	1631.3	80	8.3	1370	1631	
	200.0	439.0		7.98	2.73	8.6	1690.0	3321.3		8.6	1690	3321	
3 4	200.0	639.0		7.99	2.14	6.8	1540.0	4861.3		6.8	1540	4861	
	200.0	839.0		8.00	1.49	4.7	1150.0	6011.3		4.7	1150	6011	
	200.0			8.01	2.26	7.1	1180.0	7191.3		7.1	1180	7191	1
7	200.0	1,239.0	المحضوب المحضورة	8.01	2.52	8.0	1510.0	8701.3		8.0	1510	8701	İ
8	200.0			8.02	2.96	9.4	1740.0	10441.3		9.4	1740	10441	NW 0 to 8+100
8+100	100.0	1,539.0		8.02	2.04	6.5	792.5	11233.8		6.5	792.5	11234	7695
9	100.0	1,639.0		8.03	1.12	3.5	497.5	11731.3	<del> </del>	3.5	497.5	11731	
10	200.0	1,839.0		8.04	2.01	6.4	990.0	12721.3		6.4	990	12721	
11	200.0	2.039.0		8.05	2.96	9.4	1580.0	14301.3		11.4	1780	14501	l
12	200.0	2,239.0		8.07	3.00	9.5	1890.0	16191.3	•	11.5	2290	16791	
12	200.0	2,439.0		8.09	1.34	4.2	1370.0	17561.3		4.2	1570	18361	
14	200.0	2,639.0		8.11	1.82	5.7	990.0	18551.3		5.7	. 990	19351	
15	200.0	2,839.0		8.13	3.11	9.8	1550.0	20101.3		11.8	1750	21101	
16	200.0			8.15	2.09	6.6	1640,0	21741.3		6.6	1840	22941	
17	200.0	3,239.0	6.31	8.17	1.86	5.9	1250.0	22991.3		5.9	1250	24191	
18	200.0	3,439.0	5,30	8.19	2.89	. 9.1	1500.0	24491.3	*	11.1	1700	25891	
19	200.0	3,639.0	4.77	8.21	3.44	10.9	2000.0	26491.3	•	12.9	2400	28291	
20	200.0	3,839.0	6.45	8.22	1.77	5.6	1650.0	28141.3		5.6	1850		
21	200.0	4,039.0	6.55	8.24	1.69	5.4	1100.0	29241.3		5.4	1100		]
22	200.0	4,239.0	6.67	8.26	1.59	5.0	1040.0	30281.3		5.0	1040	32281	]
23	200.0	4,439.0	6.09	8.28	2.19	6.9	1190.0	31471.3		6.9	1190	33471	
24	200.0	4,639.0	5.20	8.30	3.10 i	9.8	1670.0	33141.3	٠	11.8	1870	35341	]
25	200.0	4,839.0	5.27	8.32	3.05	9.7	1950.0	35091.3	4	11.7	2350	37691	}
26	200.0			8.34	3.22	10.2	1990.0	37081.3	*	12.2	2390	40081	]
27	200.0			8.36	3.14	9.9	2010.0	39091.3	*	11.9	2410	42491	1
28	200.0			8.38	2.59	8.2	1810.0	40901.3	•	10.2			NW 8+100 to 29
29	200.0			8.40	1.54	4.9	1310.0	42211.3		4.9	1510	46211	12300
											Total=	46211	19995
												-	
1													1

Table BQ 3.3(1): Narayanganj West - B.Q of Embankment (NE)

Mathematics   Mathematics	Station No	Distance	Accumulative Distance	Ground Elevation	Top of Embankment	Embankment Height	Emb.Ares	Emb. Volume	Acc.Volume	B.Width (+30m)	Land Arca	Acc.Land Area	F.T Area	Accum. F.T Area
Time	140	(m)					(m2)		(m3)	(m)		(m2)	(m2)	(m2)
48-(1)   25:0	NB 48			5,08										
		125.0	125.0											
Section   1970	48-1R									COMMENTS THE PARTY				
New York   Color   C			THE RESERVE AND ADDRESS OF THE PERSON NAMED IN											
18-10   2500						THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE OW								
1.   1.   1.   1.   1.   1.   1.   1.														
1867    1869					the state of the s							75817.5		
1.50   1.50							***************************************			86.0	17150	92967.5		
										62.5	18562.5	111530		
1000						3.2	49.0	14437.5	130212.5	58.4	15112.5			<u></u>
Sub-Total   3450.0						3.78	66.0		135962.5	62.0				
Sub_Total   3,650.0				4.43	8.31	3.88		13350.0						ļ
Section   Sect		200.0	2,650.0	4.43	8.32									
Sub-Total   3,450.0   5,200.0   6,5		200.0	2,850.0	4.70	8.33				<del></del>					
Sub-Total   3,450.0   5.70   8.55   2.65   34.0   5350.0   196782.5   55.0   10000   201762.5	53												·	
NEG   Q. Q. Q.   14,450, Q.   4.52   8.35   3.83   66.0													· · · · · · · · · · · · · · · · · · ·	
NE 62	55	200.0	3,450.0	5.70	8.35	2.65	34.0	3.530.0	190/82.3	1 .33.0	1 10000	201702.3		
NE 62		Sub-Tota	3,450.0					Sub-Total V	196783		Sub-Total=	201763		
NE 62														
62A 55.0 [4485.6] 7.10 8.35 1.25 9.7 2081.8 2081.8 41.5 2846.3 2846.3   63 200.0 [14,685.0] 6.76 8.36 1.60 14.1 2380.0 4461.8 43.6 8510.0 11356.3   64 200.0 [14,885.0] 7.04 8.37 1.33 10.7 2480.0 6941.8 42.0 8560.0 19916.3   65 200.0 [15,085.0] 4.29 8.38 4.09 74.8 8550.0 15918.8 66.6 10860.0 30776.5 9720.0 972.0   66 200.0 [15,085.0] 4.29 8.38 4.09 74.8 8550.0 15918.8 66.6 10860.0 30776.5 9720.0 972.0   67 200.0 [15,085.0] 4.29 8.38 4.09 74.1 14890.0 30381.8 66.4 13300.0 44076.3 14600.0 2432.0   68 200.0 [15,085.0] 4.99 8.40 3.61 59.1 13320.0 43701.8 66.7 10850.0 67686.3   2432 68 200.0 [15,085.0] 4.86 8.42 2.29 4.9 8400.0 \$2018.8 60.7 10850.0 67686.3   2432 69 200.0 [15,085.0] 4.86 8.42 3.56 57.6 \$250.0 60351.8 60.4 10820.0 78456.3   2432 70 200.0 [16,085.0] 4.21 8.43 4.22 79.6 13720.0 74071.8 67.3 12770.0 9122.6   27 200.0 [16,085.0] 4.21 8.43 4.22 79.6 13720.0 74071.8 67.3 12770.0 9122.6   27 200.0 [16,085.0] 4.20 8.45 5.75 145.9 13398.2 9580.9 8.15 10677.4 112413.6 10614.7 844.1   28 20.0 [16,085.0] 4.86 8.42 3.56 5.76 8.250.0 60351.8 60.4 10820.0 78456.3   29 20 20 20 16,085.0 7.50 8.44 0.04 3.8 8340.0 \$2411.8 37.8 10510.0 101785.3   37 20 20 20 16,085.0 7.50 8.44 5.575 145.9 13398.2 9580.9 8.15 10677.4 112413.6 10614.7 844.1   31 20 3 20 4 10 4 10 4 4.58 8.45 5.75 145.9 13398.2 9580.9 8.15 10677.4 112413.6 10614.7 844.1   32 20 5 6 17,710.0 5.0 8.45 5.75 145.9 13875.5 137347.4 69.2 15937.5 145826.1 484.1   32 20 6 17,710.0 3.0 8.45 5.40 12.8 17387.5 137347.4 69.2 15937.5 145826.1 484.1   32 20 6 17,710.0 3.0 8.45 5.40 12.8 17387.5 137347.4 69.2 15937.5 145826.1 484.1   32 20 6 17,710.0 3.0 8.45 5.40 12.9 0.29675.0 212913.5 79.8 11887.5 20955.8 484.1   32 20 6 17,710.0 3.0 8.45 5.40 12.9 0.29675.0 212913.5 79.8 1887.5 20555.8 484.1   32 20 6 17,710.0 3.0 8.45 5.40 12.9 0.29675.0 212913.5 79.8 1887.5 20555.8 484.1   33 20 0 0 19,300.0 6.73 8.49 1.90 1.8 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9	NIE CO	0.0		452	8.35	3.83	66.0		T	62.0				
Color									2081.8			2846.3		
64 2000   14,885.0   7.04   8.37   1.33   10.7   2480.0   6941.8   42.0   8560.0   19916.3   65 2000   15,085.0   4.29   8.38   4.09   74.8   8550.0   15491.8   66.6   10860.0   30776.3   9720.0   66 2000   15,285.0   4.32   8.39   4.07   74.1   14890.0   30381.8   66.4   13300.0   44076.3   14600.0   67 2000   15,485.0   4.79   8.40   3.61   59.1   13320.0   43701.8   60.7   12710.0   56786.3   2432   68 200.0   15,685.0   6.12   8.41   2.29   24.9   8400.0   52101.8   47.8   16550.0   67656.3   2432   68 200.0   15,885.0   4.86   8.42   3.56   57.6   8250.0   60351.8   60.4   10820.0   78456.3   2432   70 200.0   16,085.0   4.21   8.43   4.22   79.6   13720.0   74071.8   67.3   12770.0   91226.3   13540.0   71   200.0   16,285.0   7.30   8.44   4.22   79.6   13720.0   74071.8   67.3   12770.0   91226.3   13540.0   71   200.0   16,285.0   7.30   8.44   5.575   145.9   13398.2   95809.9   81.5   10677.4   11241.6   1064.7   71   250.0   15,744.0   5.24   8.45   3.21   47.3   24150.0   119939.9   58.3   17475.0   12988.6   842   72   250.0   15,686.0   3.91   8.45   4.54   91.8   17337.5   137347.4   69.2   15937.5   145826.1   484   73   250.0   17,214.0   4.58   8.45   3.87   67.3   19887.5   157234.9   62.2   16425.0   16225.1   484   74   250.0   17,760.0   3.05   8.45   5.95   108.4   2600.0   81.913.5   79.4   18887.5   200955.8   434   75   250.0   18,010.0   5.32   8.45   3.13   45.1   21762.5   234676.0   57.8   17150.0   218105.8   484   76   250.0   18,010.0   5.32   8.45   3.13   45.1   21762.5   234676.0   57.8   17150.0   218105.8   484   77   200.0   18,330.0   6.41   8.45   3.15   3.15   4.50   2.20   26660.0   37193.0   6.35   8.47   2.12   2.20   6760.0   27796.8   4.67   0.14   23.6   23990.9   844   77   200.0   18,730.0   6.35   8.47   2.12   2.20   6760.0   27796.8   4.67   0.14   23.6   23990.9   484   78   200.0   19,330.0   6.77   8.48   2.21   2.33   3.50   3.206.8   8.43   3.900.0   3205.9   4.84   80   200.0   19,330.0   6.41   8.55   3.34   3.38   2.55   3.200.0   3200.0   3200.0   3										43.6	8510.0	11356.3		
Column							10.7	2480.0	6941.8	42.0	8560.0			
66 2000 15;285.0 4.32 8.39 4.07 74.1 14890.0 30381.8 66.4 13300.0 44076.3 [4600.0 2432] 67 200.0 15,885.0 4.79 8.40 3.61 59.1 13320.0 44701.8 66.7 12710.0 56786.3 2433 68 200.0 15,885.0 4.86 8.42 3.56 57.6 8250.0 60351.8 00.4 10820.0 78456.3 2433 69 200.0 15,885.0 4.86 8.42 3.56 57.6 8250.0 60351.8 00.4 10820.0 78456.3 32433 70 200.0 16,085.0 4.21 8.43 4.22 79.6 13720.0 74071.8 67.3 12770.0 9126.3 13540.0 3788 71 200.0 16,285.0 7.20 8.44 0.64 3.8 8340.0 82411.8 37.8 10510.0 101736.3 3788 71 200.0 16,285.0 7.20 8.45 5.75 145.9 13398.2 95809.9 81.5 10677.4 112413.6 10614.7 4847 71 200.0 16,714.0 5.24 8.45 5.75 145.9 13398.2 95809.9 81.5 10677.4 112413.6 10614.7 4847 72 250.0 16,714.0 5.24 8.45 3.21 47.3 24150.0 119959.9 58.3 17475.0 129888.6 4847 73 250.0 17,214.0 4.58 8.45 3.87 667.3 19887.5 15723.49 62.2 15937.5 145826.1 4847 3 2966 17,510.0 3.50 8.45 4.95 108.4 2600.5 15723.49 62.2 15937.5 145826.1 4847 3 2960 17,210.0 3.05 8.45 5.90 108.4 2600.5 15723.49 62.2 16425.0 16251.1 4844 1 250.0 18,010.0 5.32 8.45 3.13 45.1 12762.3 24560.0 578.8 1150.0 12810.8 4847 1 250.0 18,010.0 5.32 8.45 3.13 45.1 12762.3 24560.5 579.4 18887.5 200955.8 4847 1 250.0 18,010.0 5.32 8.45 3.13 45.1 12762.3 24566.0 57.8 1150.0 21810.8 4847 1 250.0 18,000.0 2.50 8.45 5.95 156.0 25137.5 259813.5 82.7 17562.5 235683.3 4847 1 250.0 18,000.0 2.50 8.45 5.95 1560.0 25137.5 259813.5 82.7 17562.5 235683.3 4847 1 250.0 18,000.0 5.32 8.45 3.13 45.1 12762.3 24566.8 57.9 9849.0 249753.9 4848 1 250.0 18,000.0 5.32 8.45 3.13 45.1 12762.3 24566.8 57.9 9849.0 249753.9 4848 1 250.0 18,000.0 5.32 8.45 3.13 45.1 12762.3 24566.8 57.9 9849.0 249753.9 4848 1 250.0 18,000.0 6.35 8.47 2.12 22.0 6760.0 27496.8 46.7 10460.0 26013.9 4847 1 200.0 18,730.0 6.35 8.47 2.12 22.0 6760.0 27496.8 46.7 10460.0 26013.9 4848 1 200.0 19,730.0 6.35 8.47 2.12 22.0 6760.0 27496.8 46.7 10460.0 26013.9 4848 1 200.0 19,730.0 6.35 8.47 2.12 22.0 6760.0 27496.8 46.7 10460.0 26013.9 4848 1 200.0 19,730.0 6.35 8.47 2.12 22.3 3350.0 32426.8 48.8 100.0 34913.9 4484 1 200.0 19,330.0 6.41						4.09	74.8	8550.0	15491.8					9720.0
68 200.0 15,485.0 4.79 8.40 3.61 59.1 13320.0 43701.8 60.7 12710.0 36186.3 2432 68 200.0 15,685.0 6.12 8.41 2.29 24.9 8400.0 52101.8 47.8 10850.0 67636.3 2432 70 200.0 15,885.0 4.86 8.42 3.56 57.6 8250.0 60351.8 60.4 10820.0 78456.3 3 2433 70 200.0 16,085.0 4.21 8.43 4.22 79.6 13720.0 74071.8 67.3 12770.0 91226.3 13540.0 3788 71 200.0 16,285.0 7.80 8.44 0.64 3.8 8340.0 8241.8 37.8 10510.0 101736.3 3788 71 200.0 16,464.0 2.70 8.45 5.75 145.9 13398.2 95809.9 81.5 10677.4 112413.6 10614.7 4847 1-1 250.0 16,714.0 5.24 8.45 3.21 47.3 24150.0 119959.9 58.3 17475.0 12988.6 4847 1-2 250.0 16,714.0 5.24 8.45 3.21 47.3 17387.3 173747.4 69.2 15937.5 145826.1 4847 3 250.0 17,214.0 4.58 8.45 3.87 67.3 19887.5 157234.9 62.2 16425.0 162251.1 4847 3 296.0 17,510.0 3.50 8.45 4.95 108.4 26003.6 183238.5 71.7 19817.2 182068.3 4847 1 250.0 18,010.0 5.32 8.45 3.13 45.1 21762.5 234676.0 57.8 17150.0 181887.5 200955.8 4847 1 250.0 18,010.0 5.32 8.45 3.13 45.1 21762.5 234676.0 57.8 17150.0 21810.8 4847 1 250.0 18,010.0 5.32 8.45 5.95 156.0 25137.5 25854.5 40.1 4236.6 239904.9 4847 73 201.0 18,520.0 250 8.45 5.95 156.0 25137.5 25854.5 40.1 4236.6 239904.9 4847 73 201.0 18,530.0 5.31 8.46 3.15 45.6 5296.4 270736.8 57.9 9849.0 249753.9 4847 77 200.0 18,730.0 6.35 8.47 1.0 7.1 5627.0 2865440.5 40.1 4236.6 239904.9 4847 78 200.0 18,730.0 6.35 8.47 2.12 22.0 6760.0 27736.8 57.9 1849.0 249753.9 4847 79 200.0 18,730.0 6.57 8.48 2.21 23.5 4550.0 2806.8 46.7 10460.0 269013.9 4847 79 200.0 19,730.0 6.59 8.59 3.78 64.4 8310.0 24856.8 47.3 9400.0 269613.9 4847 79 200.0 19,730.0 6.57 8.49 1.92 18.7 4220.0 285266.8 45.5 19280.0 330713.9 4848 82 200.0 19,730.0 6.51 8.52 2.33 2.56 6820.0 312096.8 48.3 9510.0 31503.9 4848 83 200.0 20,730.0 6.54 8.57 2.03 2.25 2.33 2.56 6820.0 312096.8 48.3 9510.0 31503.9 4848 84 200.0 20,730.0 6.54 8.57 2.03 2.05 4700.0 33760.8 48.3 9510.0 31503.9 4848 85 200.0 20,730.0 6.81 8.56 2.38 2.38 2.65 5210.0 31736.8 44.1 8860.0 330713.9 4848 86 200.0 20,730.0 6.83 8.58 1.75 1.62 3600.0 3408.68 44.1 8860.0 385343.9 4484 87 200						4.07	74.1	14890.0					14600.0	24320.0
69 200.0 15,685.0 4.46 8.42 3.56 57.6 8250.0 60351.8 60.4 10820.0 78456.3 2432 70 200.0 16,085.0 4.21 8.43 4.22 79.6 13720.0 74071.8 67.3 12770.0 9126.3 13540.0 3788 71 200.0 16,285.0 7.80 8.44 0.64 3.8 8340.0 82411.8 37.8 10510.0 10173.3 13540.0 3788 71 200.0 16,285.0 7.80 8.44 0.64 3.8 8340.0 82411.8 37.8 10510.0 10173.3 13540.0 3788 71 200.0 16,085.0 4.21 8.43 5.75 145.9 1398.2 95809.9 81.5 10677.4 112413.6 10614.7 8447 1-1 250.0 16,714.0 5.24 8.45 5.75 145.9 13988.2 95809.9 81.5 10677.4 112413.6 10614.7 8424 1-2 250.0 16,964.0 3.91 8.45 4.54 91.8 17387.5 137347.4 692. 15937.5 145826.1 4847 3 250.0 17,214.0 4.58 8.45 3.87 67.3 19887.5 157234.9 62.2 16425.0 162251.1 4843 3 296.0 17,510.0 3.50 8.45 4.95 108.4 26003.6 183238.5 71.7 19817.2 182068.3 4847 2 250.0 17,760.0 3.05 8.45 5.40 129.0 29675.0 212913.5 79.4 18887.5 200955.8 4847 1 250.0 18,010.0 5.32 8.45 3.13 45.1 21762.5 234676.0 57.8 17150.0 218103.8 4841 1 250.0 18,010.0 5.32 8.45 5.04 129.0 29675.0 212913.5 79.4 18887.5 200955.8 4847 1 250.0 18,00.0 2.50 8.45 5.95 156.0 25137.5 259813.5 82.7 17562.5 235668.3 4844 1 250.0 18,00.0 2.50 8.45 5.05 5.95 156.0 25137.5 259813.5 82.7 17562.5 235668.3 4844 1 250.0 18,00.0 2.50 8.45 5.05 5.95 156.0 25137.5 259813.5 82.7 17562.5 235668.3 4844 1 250.0 18,00.0 2.50 8.45 5.00 7.44 8.45 1.01 7.1 5627.0 265540.5 40.1 4236.6 239904.9 4844 1 250.0 18,00.0 2.50 8.45 5.00 7.44 8.45 1.01 7.1 5627.0 265540.5 40.1 4236.6 239904.9 4844 1 250.0 18,00.0 19,00.0 6.57 8.48 2.21 23.3 4550.0 282046.8 47.3 9400.0 269613.9 4844 1 250.0 18,00.0 19,30.0 6.55 8.47 2.12 2.20 6760.0 277496.8 45.7 10460.0 260213.9 4847 17 200.0 19,30.0 6.57 8.48 2.21 23.3 5450.0 30503.8 45.5 1000.0 305276.8 57.9 98490.0 249753.9 4844 18 200.0 19,30.0 6.57 8.48 2.21 23.3 56.5 820.0 31209.8 45.3 9600.0 31203.9 4844 18 200.0 19,30.0 6.15 8.55 2.14 22.3 3350.0 32426.8 45.8 9910.0 339623.9 4844 18 200.0 20,000.0 6.18 8.56 2.38 2.38 2.55 520.0 31209.8 48.9 10500.0 31003.9 4848 18 200.0 20,000.0 6.18 8.55 2.14 22.3 3350.0 324426.8 46.8 8910.0 339623.9 4848 18 20					8.40	3.61	59.1							24320.0
\$\begin{array}{c c c c c c c c c c c c c c c c c c c		200.0	15,685.0	6.12	8.41									24320.0
To   200.0   16,085.0   4.21   6.43   5.22   73.8   8340.0   82411.8   37.8   10510.0   101736.3   3786   1792.0   16,1664.0   2.70   8.45   5.75   145.9   13398.2   9889.9   81.5   10677.4   112413.6   10614.7   4847   1250.0   16,714.0   5.24   8.45   5.21   47.3   24150.0   119959.9   58.3   17475.0   12988.6   4847   1250.0   16,964.0   3.91   8.45   4.54   491.8   17387.5   137347.4   69.2   15937.5   145826.1   4847   3.2   250.0   17,214.0   4.58   8.45   3.87   67.3   19887.5   157234.9   62.2   16425.0   162251.1   4847   3.2   250.0   17,214.0   4.58   8.45   3.87   67.3   19887.5   157234.9   62.2   16425.0   162251.1   4847   3.2   250.0   17,510.0   3.50   8.45   4.95   108.4   26003.6   18323.5   71.7   19817.2   182068.3   4847   250.0   18,010.0   5.32   8.45   5.40   129.0   26975.0   212913.5   79.4   18887.5   200955.8   4847   250.0   18,010.0   5.32   8.45   5.31   45.1   21762.5   234676.0   57.8   17150.0   218105.8   4847   72   69.0   18,329.0   7.44   8.45   1.01   7.1   5627.0   265440.5   40.1   4236.6   239904.9   4847   73   2010.0   18,730.0   6.35   8.47   2.12   22.0   6760.0   277496.8   47.3   9400.0   260213.9   4847   74   200.0   18,730.0   6.35   8.47   2.12   22.0   6760.0   277496.8   47.3   9400.0   269013.9   4847   78   2000.0   19,730.0   6.57   8.49   1.92   18.7   4220.0   286266.8   47.3   9400.0   269013.9   4847   78   2000.0   19,330.0   6.77   8.48   2.21   23.5   4550.0   287206.8   47.3   9400.0   269013.9   4847   78   2000.0   19,330.0   6.77   8.48   2.21   23.5   6820.0   287206.8   47.3   9400.0   269013.9   4847   79   2000.0   19,330.0   6.77   8.48   2.21   23.5   6820.0   277496.8   47.3   9400.0   269013.9   4847   79   2000.0   19,330.0   6.77   8.48   2.21   23.5   6820.0   277496.8   47.3   9400.0   269013.9   4847   79   2000.0   19,330.0   6.77   8.48   2.21   23.5   6820.0   277496.8   47.3   9400.0   269013.9   4847   79   2000.0   19,330.0   6.77   8.48   2.21   23.3   26.5   5800.0   312006.8   48.0   312023.9   4847   4800.0   312023.9	69	200.0	15,885.0	4.86										
11   200.0   16,263.0   2.70   8.45   5.75   145.9   13398.2   93893.9   81.5   10677.4   112413.6   10614.7	70			4.21	<u> </u>							.,		37860.0
1	71				-			<del></del>						48474.7
-1   250.0   16,964.0   3.91   8.45   4.54   91.8   17387.5   137347.4   692   15937.5   145826.1   4847.3   250.0   17,214.0   4.58   8.45   3.87   67.3   19887.5   157234.9   62.2   16425.0   162251.1   4847.3   296.0   17,510.0   3.50   8.45   4.95   108.4   26003.6   183238.5   71.7   19817.2   182068.3   4847.4   2.2   250.0   17,760.0   3.05   8.45   5.40   129.0   29675.0   212913.5   79.4   18887.5   200955.8   4847.4   2.2   250.0   18,010.0   5.32   8.45   3.13   45.1   21762.5   234676.0   57.8   17150.0   218105.8   4847.4   2.2   2.5				+										48474.7
-2 250.0 16,54.0 5.71 6.4.2 5.51 6.4.2 5.51 6.4.2 5.51 1.51 6.4.2 5.0 162251.1 484.7 3 250.0 17,214.0 4.58 8.45 3.87 67.3 19887.5 157234.9 62.2 16425.0 162251.1 484.7 3 296.0 17,510.0 3.50 8.45 4.95 108.4 26003.6 183238.5 71.7 19817.2 182063.3 484.7 1.2 250.0 17,760.0 3.05 8.45 5.40 129.0 29675.0 212913.5 79.4 18887.5 200955.8 484.7 1 250.0 18,010.0 5.32 8.45 3.13 45.1 21762.5 234676.0 57.8 17150.0 21810.8 464.7 10.2 10.2 10.2 10.2 10.2 10.2 10.2 10.2											<del></del>			48474.7
3 296.0 17,510.0 3.50 8.45 4.95 108.4 26003.6 183238.5 71.7 19817.2 182068.3 484. 2 250.0 17,760.0 3.05 8.45 5.40 129.0 29675.0 212913.5 79.4 18887.5 200955.8 484. (1) 250.0 18,010.0 5.32 8.45 3.13 45.1 21762.5 234676.0 57.8 17150.0 218105.8 484. (1) 250.0 18,260.0 2.50 8.45 5.95 156.0 25137.5 259813.5 82.7 17562.5 235668.3 484. (1) 250.0 18,250.0 7.44 8.45 1.01 7.1 5627.0 265440.5 40.1 4236.6 239904.9 484. (2) 20 20 20 20 20 20 20 20 20 20 20 20 20														48474.7
2 250.0 17,760.0 3.05 8.45 5.40 129.0 29675.0 212913.5 79.4 18887.5 200955.8 48.4 1 250.0 18,010.0 5.32 8.45 3.13 45.1 21762.5 234676.0 57.8 17150.0 218105.8 48.4 (1) 250.0 18,260.0 2.50 8.45 5.95 156.0 25137.5 259813.5 82.7 17562.5 235668.3 48.4 72 69.0 18,329.0 7.44 8.45 1.01 7.1 5627.0 265440.5 40.1 4236.6 23990.49 48.4 73 201.0 18,530.0 5.31 8.46 3.15 45.6 5.296.4 270736.8 57.9 9849.0 249753.9 48.4 74 200.0 18,730.0 6.35 8.47 2.12 22.0 6760.0 277496.8 46.7 10460.0 260213.9 48.4 75 200.0 18,930.0 6.27 8.48 2.21 23.5 4550.0 282046.8 47.3 9400.0 269613.9 48.4 76 200.0 19,130.0 6.57 8.49 1.92 18.7 4220.0 286266.8 45.5 9280.0 278893.9 48.4 77 200.0 19,330.0 4.72 8.50 3.78 64.4 8310.0 294576.8 61.7 10720.0 289613.9 48.4 78 200.0 19,530.0 5.47 8.51 3.04 42.6 67070.0 305276.8 57.2 11890.0 301503.9 48.4 79 200.0 19,730.0 6.19 8.52 2.33 25.6 6820.0 312096.8 48.0 10520.0 312023.9 48.4 80 200.0 19,730.0 6.15 8.53 2.38 26.5 5210.0 317306.8 48.3 9630.0 321653.9 48.4 81 200.0 20,330.0 6.18 8.55 2.14 22.3 3350.0 324426.8 42.3 9060.0 330713.9 48.4 82 200.0 20,330.0 6.18 8.55 2.14 22.3 3350.0 324426.8 46.8 8910.0 339623.9 48.4 83 200.0 20,330.0 6.41 8.55 2.14 22.3 3350.0 32406.8 42.3 9060.0 330713.9 48.4 84 200.0 20,330.0 6.48 8.57 2.03 2.05 4700.0 312036.8 48.3 9510.0 349133.9 48.4 84 200.0 20,330.0 6.48 8.55 2.14 22.3 3350.0 324426.8 46.8 8910.0 339623.9 48.4 85 200.0 20,330.0 6.48 8.55 2.14 22.3 3350.0 324426.8 46.8 8910.0 339623.9 48.4 86 200.0 20,330.0 6.54 8.57 2.03 20.5 4700.0 33406.8 46.2 9450.0 38533.9 48.4 87 200.0 20,330.0 6.54 8.57 2.03 20.5 4700.0 33406.8 44.5 9070.0 367653.9 48.4 88 200.0 20,330.0 6.54 8.57 2.03 20.5 4700.0 33406.8 44.1 8860.0 376513.9 484 88 200.0 20,330.0 6.54 8.57 2.03 20.5 4700.0 33406.8 44.2 8830.0 385343.9 484 89 200.0 21,330.0 6.90 8.60 1.70 15.4 3060.0 343876.8 44.2 8830.0 385343.9 444 80 200.0 21,330.0 6.90 8.60 1.70 15.4 3060.0 343876.8 44.2 8830.0 385343.9 444 80 200.0 21,330.0 6.90 8.60 1.70 15.4 3060.0 343876.8 44.2 8830.0 385343.9 444				·										48474.7
2         250.0         17,100.0         5.00         8.45         3.13         45.1         21762.5         234676.0         57.8         17150.0         218105.8         484           (1)         250.0         18,260.0         2.50         8.45         5.95         156.0         25137.5         259813.5         82.7         17562.5         235668.3         484           72         69.0         18,329.0         7.44         8.45         1.01         7.1         5627.0         265440.5         40.1         4236.6         239904.9         4847           73         201.0         18,530.0         5.31         8.46         3.15         5627.0         265440.5         40.1         4236.6         239904.9         4847           74         200.0         18,730.0         6.35         8.47         2.12         22.0         6760.0         277496.8         46.7         10460.0         260213.9         484           75         200.0         18,730.0         6.57         8.48         2.21         23.5         4550.0         282046.8         47.3         9400.0         269613.9         484           76         200.0         19,330.0         4.72         8.50         3.78														48474.7
(1)         250.0         18,260.0         2.50         8.45         5.95         156.0         25137.5         259813.5         82.7         17562.5         235668.3         484           72         69.0         18,329.0         7.44         8.45         1.01         7.1         5627.0         265440.5         40.1         4236.6         239904.9         484           73         201.0         18,530.0         5.31         8.46         3.15         45.6         5296.4         270736.8         57.9         9849.0         249753.9         484           74         200.0         18,730.0         6.35         8.47         2.12         22.0         6760.0         277496.8         46.7         10460.0         260213.9         484           75         200.0         18,930.0         6.27         8.48         2.21         23.5         4550.0         282046.8         47.3         9400.0         269613.9         484           76         200.0         19,130.0         6.57         8.49         1.92         18.7         4220.0         285266.8         45.5         9280.0         278893.9         484           77         200.0         19,330.0         5.47         8.51														48474.7
(1)         250.0         18,329.0         7.44         8.45         1.01         7.1         5627.0         265440.5         40.1         4236.6         239904.9         484           73         201.0         18,530.0         5.31         8.46         3.15         45.6         5296.4         270736.8         57.9         9849.0         249753.9         484           74         200.0         18,730.0         6.35         8.47         2.12         22.0         6760.0         277496.8         46.7         10460.0         260213.9         484           75         200.0         18,930.0         6.57         8.48         2.21         23.5         4550.0         282046.8         47.3         9400.0         269613.9         484           76         200.0         19,130.0         6.57         8.49         1.92         18.7         4220.0         286266.8         45.5         9280.0         278893.9         484           77         200.0         19,330.0         4.72         8.50         3.78         64.4         8310.0         294576.8         61.7         10720.0         289613.9         484           78         200.0         19,730.0         6.19         8.52				<del></del>	4			·						48474.7
72         05.0         18,520.0         5.31         8.46         3.15         45.6         5296.4         270736.8         57.9         9849.0         249753.9         484           74         200.0         18,730.0         6.35         8.47         2.12         22.0         6760.0         277496.8         46.7         10460.0         260213.9         484           75         200.0         18,930.0         6.27         8.48         2.21         23.5         4550.0         282046.8         47.3         9400.0         269613.9         484           76         200.0         19,130.0         6.57         8.49         1.92         18.7         4220.0         286266.8         45.5         9280.0         278893.9         484           77         200.0         19,330.0         4.72         8.50         3.78         64.4         8310.0         294576.8         61.7         10720.0         289613.9         484           78         200.0         19,530.0         5.47         8.51         3.04         42.6         10700.0         305276.8         57.2         11890.0         301503.9         484           79         200.0         19,730.0         6.19         8.52														48474.7
74         200.0         18,730.0         6.35         8.47         2.12         22.0         6760.0         277496.8         46.7         10460.0         260213.9         484           75         200.0         18,930.0         6.27         8.48         2.21         23.5         4550.0         282046.8         47.3         9400.0         269613.9         484           76         200.0         19,130.0         6.57         8.49         1.92         18.7         4220.0         286266.8         45.5         9280.0         278893.9         484           77         200.0         19,330.0         4.72         8.50         3.78         64.4         8310.0         294576.8         61.7         10720.0         289613.9         484           78         200.0         19,530.0         5.47         8.51         3.04         42.6         10700.0         305276.8         57.2         11890.0         301503.9         484           79         200.0         19,730.0         6.19         8.52         2.33         25.6         6820.0         312096.8         48.0         10020.0         301503.9         484           80         200.0         19,930.0         6.15         8.53											9849.0			48474.7
75 200.0 18,930.0 6.27 8.48 2.21 23.5 4550.0 282046.8 47.3 9400.0 269613.9 484  76 200.0 19,130.0 6.57 8.49 1.92 18.7 4220.0 286266.8 45.5 9280.0 278893.9 484  77 200.0 19,330.0 4.72 8.50 3.78 64.4 8310.0 294576.8 61.7 10720.0 289613.9 484  78 200.0 19,530.0 5.47 8.51 3.04 42.6 10700.0 305276.8 57.2 11890.0 301503.9 484  79 200.0 19,730.0 6.19 8.52 2.33 25.6 6820.0 312096.8 48.0 10520.0 312023.9 484  80 200.0 19,930.0 6.15 8.53 2.38 26.5 5210.0 317306.8 48.3 9630.0 321653.9 484  81 200.0 20,130.0 7.16 8.54 1.38 11.2 3770.0 321076.8 42.3 9060.0 330713.9 484  82 200.0 20,330.0 6.41 8.55 2.14 22.3 3350.0 324426.8 46.8 8910.0 339623.9 484  83 200.0 20,330.0 6.41 8.55 2.14 22.3 3350.0 324426.8 46.8 8910.0 339623.9 484  84 200.0 20,730.0 6.54 8.57 2.03 20.5 4700.0 334006.8 46.2 9450.0 358583.9 484  85 200.0 20,730.0 6.54 8.57 2.03 20.5 4700.0 334006.8 46.2 9450.0 358583.9 484  86 200.0 20,730.0 6.83 8.58 1.75 16.2 3670.0 337676.8 44.5 9070.0 367653.9 484  87 200.0 21,330.0 6.91 8.59 1.68 15.2 3140.0 340816.8 44.1 8860.0 376513.9 484  88 200.0 21,130.0 6.91 8.59 1.68 15.2 3140.0 340816.8 44.1 8860.0 376513.9 484  89 200.0 21,330.0 6.90 8.60 1.70 15.4 3060.0 343876.8 44.2 8830.0 385343.9 484  80 200.0 21,330.0 6.90 8.60 1.70 15.4 3060.0 343876.8 44.2 8830.0 385343.9 484														48474.7
76         200.0         19,130.0         6.57         8.49         1.92         18.7         4220.0         286266.8         45.5         9280.0         278893.9         484           77         200.0         19,330.0         4.72         8.50         3.78         64.4         8310.0         294576.8         61.7         10720.0         289613.9         484           78         200.0         19,530.0         5.47         8.51         3.04         42.6         10700.0         305276.8         57.2         11890.0         301503.9         484           79         200.0         19,730.0         6.19         8.52         2.33         25.6         6820.0         312098.8         48.0         10520.0         312023.9         484           80         200.0         19,930.0         6.15         8.53         2.38         26.5         5210.0         317306.8         48.3         9630.0         312023.9         484           81         200.0         20,130.0         7.16         8.54         1.38         11.2         3770.0         321076.8         42.3         9060.0         330713.9         484           82         200.0         20,330.0         6.41         8.55							<del> </del>	4550.0						48474.7
77         200.0         19,330.0         4,72         8.50         3.78         64.4         8310.0         294576.8         61.7         10720.0         289613.9         484           78         200.0         19,530.0         5.47         8.51         3.04         42.6         10700.0         305276.8         57.2         11890.0         301503.9         484           79         200.0         19,730.0         6.19         8.52         2.33         25.6         6820.0         312096.8         48.0         10520.0         312023.9         484           80         200.0         19,930.0         6.15         8.53         2.38         26.5         5210.0         317306.8         48.3         9630.0         312023.9         484           81         200.0         20,130.0         7.16         8.54         1.38         11.2         3770.0         321076.8         42.3         9060.0         330713.9         484           82         200.0         20,330.0         6.41         8.55         2.14         22.3         3350.0         324426.8         46.8         8910.0         339623.9         484           83         200.0         20,330.0         6.54         8.57					8.49	1.92								48474.7
78         200.0         19,530.0         5.47         8.51         3.04         42.6         10700.0         305276.8         57.2         11890.0         301503.9         484           79         200.0         19,730.0         6.19         8.52         2.33         25.6         6820.0         31296.8         48.0         10520.0         312023.9         484           80         200.0         19,930.0         6.15         8.53         2.38         26.5         5210.0         317306.8         48.3         9630.0         321253.9         484           81         200.0         20,130.0         7.16         8.54         1.38         11.2         3770.0         321076.8         42.3         9660.0         330713.9         484           82         200.0         20,330.0         6.41         8.55         2.14         22.3         3350.0         324426.8         46.8         8910.0         339623.9         484           83         200.0         20,330.0         6.18         8.56         2.38         26.5         4880.0         329306.8         48.3         9510.0         349133.9         484           84         200.0         20,730.0         6.54         8.57					8.50	3.78								48474.7
80 200.0 19,930.0 6.15 8.53 2.38 26.5 5210.0 317306.8 48.3 9630.0 321653.9 484 81 200.0 20,130.0 7.16 8.54 1.38 11.2 3770.0 321076.8 42.3 9060.0 330713.9 484 82 200.0 20,330.0 6.41 8.55 2.14 22.3 3350.0 324426.8 46.8 8910.0 339623.9 484 83 200.0 20,530.0 6.18 8.56 2.38 26.5 4880.0 329306.8 48.3 9510.0 349133.9 484 84 200.0 20,730.0 6.54 8.57 2.03 20.5 4700.0 334006.8 46.2 9450.0 358583.9 484 85 200.0 20,930.0 6.83 8.58 1.75 16.2 3670.0 337676.8 44.5 9070.0 367653.9 484 86 200.0 21,130.0 6.91 8.59 1.68 15.2 3140.0 340816.8 44.1 8860.0 376513.9 484 87 200.0 21,330.0 6.90 8.60 1.70 15.4 3060.0 343876.8 44.2 8830.0 385343.9 484 Sub-Total 6,900.0 Sub-Total V= 32000 385343.9 484			19,530.0	5.47	8.51				<del></del>	_				48474.7
80 20.0 19,930.0 6.13 8.54 1.38 11.2 3770.0 321076.8 42.3 9060.0 330713.9 484 82 200.0 20,330.0 6.41 8.55 2.14 22.3 3350.0 324426.8 46.8 8910.0 339623.9 484 83 200.0 20,530.0 6.18 8.56 2.38 26.5 4880.0 329306.8 48.3 9510.0 349133.9 484 84 200.0 20,730.0 6.54 8.57 2.03 20.5 4700.0 334006.8 46.2 9450.0 358583.9 484 85 200.0 20,930.0 6.83 8.58 1.75 16.2 3670.0 337676.8 44.5 9070.0 367653.9 484 86 200.0 21,130.0 6.91 8.59 1.68 15.2 3140.0 340816.8 44.1 8860.0 376513.9 484 87 200.0 21,330.0 6.90 8.60 1.70 15.4 3060.0 343876.8 44.2 8830.0 385343.9 484 89 Sub-Total 6,900.0 Sub-Total V= 32000 385343.9 484	79	200.0					_							48474.7
81 200 20,330.0 6.18 8.55 2.14 22.3 3350.0 324426.8 46.8 8910.0 339623.9 484 83 200.0 20,530.0 6.18 8.56 2.38 26.5 4880.0 329306.8 48.3 9510.0 349133.9 484 84 200.0 20,730.0 6.54 8.57 2.03 20.5 4700.0 334006.8 46.2 9450.0 358583.9 484 85 200.0 20,930.0 6.83 8.58 1.75 16.2 3670.0 337676.8 44.5 9070.0 367653.9 484 86 200.0 21,130.0 6.91 8.59 1.68 15.2 3140.0 340816.8 44.1 8860.0 376513.9 484 87 200.0 21,330.0 6.90 8.60 1.70 15.4 3060.0 343876.8 44.2 8830.0 385343.9 484 88 Sub-Total 6,900.0 Sub-Total V= 32000 385343.9 484	80	200.0												48474.
82 20.0 20,530.0 6.41 8.56 2.38 26.5 4880.0 329306.8 48.3 9510.0 349133.9 484 84 200.0 20,730.0 6.54 8.57 2.03 20.5 4700.0 334006.8 46.2 9450.0 358583.9 484 85 200.0 20,930.0 6.83 8.58 1.75 16.2 3670.0 337676.8 44.5 9070.0 367653.9 484 86 200.0 21,130.0 6.91 8.59 1.68 15.2 3140.0 340816.8 44.1 8860.0 376513.9 484 87 200.0 21,330.0 6.90 8.60 1.70 15.4 3060.0 343876.8 44.2 8830.0 385343.9 484 Sub-Total 6,900.0 Sub-Total V= 320609 385343.9 484											<del></del>			48474
83         20.01         20.30.0         6.16         8.36         2.38         20.5         40.00.0         324006.8         46.2         9450.0         358583.9         484           85         200.0         20,930.0         6.83         8.58         1.75         16.2         3670.0         337676.8         44.5         9070.0         367653.9         484           86         200.0         21,130.0         6.91         8.59         1.68         15.2         3140.0         340816.8         44.1         8860.0         376513.9         484           87         200.0         21,330.0         6.90         8.60         1.70         15.4         3060.0         343876.8         44.2         8830.0         385343.9         484           Sub-Total         6,900.0         Sub-Total V=         320609         385343.9         44														48474.
84 200.0 20,730.0 6.54 8.57 2.03 20.0 775.0 337676.8 44.5 9070.0 367653.9 484 85 200.0 21,130.0 6.91 8.59 1.68 15.2 3140.0 340816.8 44.1 8860.0 376513.9 484 87 200.0 21,330.0 6.90 8.60 1.70 15.4 3060.0 343876.8 44.2 8830.0 385343.9 484  Sub-Total 6,900.0 Sub-Total = 320609 385343.9 44														48474.
85 200.0 20,930.0 6.83 8.58 1.73 10.2 300.0 340816.8 44.1 8860.0 376513.9 484 86 200.0 21,130.0 6.91 8.59 1.68 15.2 3140.0 340816.8 44.1 8860.0 376513.9 484 87 200.0 21,330.0 6.90 8.60 1.70 15.4 3060.0 343876.8 44.2 8830.0 385343.9 484  Sub-Total 6,900.0 Sub-Total V= 320609 385343.9 44														48474.
86 200.0 21,130.0 6.91 8.59 1.00 15.4 3060.0 343876.8 44.2 8830.0 385343.9 484 Sub-Total 6,900.0 Sub-Total V= 320609 385343.9 44					<del>-}</del>									48474.
Sub-Total   6,900.0   Sub-Total V= 320609   385343.9   44					<del></del>		_							48474.
Sub-10tal 6,700.0 500 500 500 500 500 500 500 500 500	87	200.			J 8.60	1.70					~ 0030.	·		4847
Total= 10,350.0 Total= 51/392 36/100 44													7	4847
		Total=	10,350.6	0				l otal=	51739	<i>L</i>		38/106		4047.
						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,								

Note: olume-F.T Area\*0.6m\*0.8

Table BQ 3.3(2): Narayanganj West - B.Q of Embankment (NE)

No.							*****				, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		<del></del>	<del></del>
No.	Station	Distanco	Accumulative	Ground	Top of	Emb.	Slope (R)	Revement	Accum.		Slope(C+R)	Sodding		Brick Soling
				Elevation		Height				_				Berm :5m
No.   No.		(m)	(m)					(m2)	(m2)			(m2)	(m2)	(m2)
44-1	NE 48									_			1050	
48-11, 2500, 2500, 1500, 150, 150, 150, 150, 150, 150,	48-(1)R									-				
48-QR         2500         9750         S.18         8.30         3.12         9.8         2205.0         1475.5         9.8         2100         7025           48-QR         2500         1125.0         5.97         8.30         2.12         9.8         2235.0         178.2         2209.0         9225           48-QR         2500         1,150         4.60         8.9         3.7         11.8         244.4         997.5         11.8         245         9470           48-QR         2500         1,650         4.60         8.9         3.7         11.8         244.4         997.5         11.8         245         9470           48-QR         2500         1,6500         1.50         4.60         8.9         2.1         11.8         244.4         4025.0         12.9         12.0         11.9         14.4         405.0         11.8         244.7         13.9         14.9         14.0         14.0         14.0         14.0         14.0         14.0         14.0         14.0         14.0         14.0         14.4         15.9         14.0         14.0         14.4         15.9         14.0         14.0         14.0         14.0         14.0         14.0														
## CORP #2500   1,2500   5,250   5,37   8,39   2,33   7,8   2193,8   9681,3   7,8   2200   9275   ## CORP #2500   1,2500   4,600   8,39   3,7   11,8   244,4   9925,6   11,8   245   9470   ## CORP #2500   1,4600   5,37   8,39   2,43   7,8   24500   12375,6   7,8   2450   11920   ## CORP #2500   1,4600   5,37   8,39   2,43   7,8   24500   12375,6   7,8   2450   11920   ## CORP #2500   1,4600   5,37   8,39   2,43   7,8   24500   12375,6   7,8   2450   11920   ## CORP #2500   1,4000   4,47   8,39   3,83   12,4   46000   21000,6   11,5   4487,5   20432,5   ## CORP #2500   2,5500   4,57   8,30   3,32   12,4   46000   21000,6   11,5   4487,5   20432,5   ## CORP #2500   2,5500   4,57   8,30   3,37   1,04   25500   23500   25500   23500   4,37   8,31   3,88   5,9   ## CORP #2500   2,5500   4,43   8,30   3,78   12,0   1120,0   24970,5   12,   2220   2356   ## CORP #2500   2,5500   4,43   8,32   3,89   9,0   9   9,   2980   31925   ## CORP #2500   2,5500   4,43   8,32   3,89   9,0   9   9,   2980   31925   ## CORP #2500   2,5500   4,43   8,33   3,46   3,11,5     11,5   4487,5   20402   ## CORP #2500   2,5500   4,40   8,33   3,46   3,11,5     1,11,5   4487,5   20402   ## CORP #2500   2,5500   4,40   8,30   3,3   4,20   4,20   4,20   4,20   4,20   4,20   ## CORP #2500   2,5500   4,40   8,30   3,30   4,20   4,3				AND DESCRIPTION OF THE PERSON										
New York   Page   Pag														;
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AB-II										-				
49   100.0   2,250.0   4.52   8.30   3.78   12.0   112.0   24970.6   12   2220   25365										┢	The Party of the P			
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Signature   Sign										1			31925	
123   4760   40785   53   200.0   3,050.0   5.50   8.34   2.84   12.3   12.3   4920   45705   55   200.0   3,450.0   5.70   8.35   1.85   12.0   12.0   12.3   4920   45705   55   200.0   3,450.0   5.70   8.35   2.65   12.0   12.0   12.3   4920   45705										1	11.5	4100	36025	
Sub-Total   345.0   5.70   8.35   1.85   12.3   12.3   12.4   486.0   505.65									:	1-		4760	40785	
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62A 55.0   14,485.0   7.10   8.35   1.25   4.0   443   443   443   443   443   63   200.0   14,685.0   6.76   8.36   1.60   5.1   910   1353   5.1   910   1353   65   200.0   14,685.0   6.76   8.36   1.60   5.1   910   1353   4.2   930   2283   4.2   930   2283   65   200.0   14,685.0   7.04   8.37   1.33   4.2   930   2283   4.2   930   2283   65   200.0   15,085.0   4.99   8.38   4.09   15.9   2010   4293   12.9   1710   3993   66   200.0   15,085.0   4.99   8.38   4.09   15.9   2010   4293   12.9   1710   3993   66   200.0   15,085.0   4.79   8.40   3.61   11.4   2730   10203   11.4   2430   9003   68   200.0   15,685.0   4.79   8.40   3.61   11.4   2730   10203   11.4   2430   9003   68   200.0   15,685.0   6.12   8.41   2.29   7.2   1860   12033   7.2   1860   10863   7.		1	G. 5. Vi											ļ <u>.</u>
62A 55.0 14,485.0 7.10 8.35 1.25 4.0 443 443 443 443 443 63 200.0 14,685.0 6.76 8.36 1.60 5.1 910 1353 5 5.1 910 1353 64 200.0 14,685.0 6.76 8.36 1.60 5.1 910 1353 5 5.1 910 1353 64 200.0 14,685.0 7.04 8.37 1.33 4.2 930 2283 4.2 930 2283 65 200.0 15,685.0 4.29 8.38 4.09 15.9 2010 4293 12.9 1710 3993 66 200.0 15,685.0 4.29 8.38 4.09 15.9 2010 4293 12.9 1710 3993 66 200.0 15,685.0 4.29 8.39 4.07 15.9 3180 7473 12.9 2580 6573 67 200.0 15,685.0 4.79 8.40 3.61 11.4 2730 10203 11.4 2430 9003 68 200.0 15,685.0 4.679 8.40 3.61 11.4 2730 10203 7.2 1860 10863 69 200.0 15,685.0 4.68 8.42 2.39 7.2 1860 12663 7.2 1860 10863 69 200.0 15,685.0 4.21 8.43 4.22 16.3 2760 1593 11.3 1850 12713 11.3 1850 12713 71 200.0 16,285.0 7.80 8.44 0.64 2.0 1830 1850 1*913 11.3 1850 12713 71 200.0 16,285.0 7.80 8.44 0.64 2.0 1830 1850 1*913 11.3 1850 15713 11.0 190 16,646.0 2.70 8.45 5.75 21.2 2076.4 20579 21.2 2076.4 18779 1.1 250.0 16,714.0 5.24 8.45 3.21 10.2 3925 24504 10.2 3925 22704 1.2 250.0 16,964.0 3.91 8.45 4.54 17.4 3450 27954 14.4 3075 25779 1.3 250.0 17,214.0 4.58 8.45 3.31 10.2 3925 24504 10.2 3925 22704 3.3 250.0 17,214.0 4.58 8.45 3.87 12.2 3700 31654 12.2 3325 20104 3.3 250.0 17,760.0 3.05 8.45 5.49 5 18.7 4573.2 36227 15.7 4129.2 33233 12.9 12.0 12.0 18,000 5.32 8.45 3.13 9.9 3750 44827 9.9 3750 4475 3708 1.2 250.0 16,960.0 3.05 8.45 5.40 20.1 4850 41077 20.1 4475 3708 1.2 250.0 16,960.0 3.05 8.45 5.40 20.1 4850 41077 20.1 4475 3708 1.2 250.0 18,000 5.32 8.45 3.13 9.9 3750 44827 9.9 3750 4455 1.2 3323 20.0 18,000 5.32 8.45 3.13 9.9 3750 44827 9.9 3750 4455 1.2 3325 20104 1.2 30.0 18,000 5.32 8.45 3.13 9.9 3750 44827 9.9 3750 4455 1.2 3325 20104 1.2 30.0 18,000 5.32 8.45 3.13 9.9 3750 44827 9.9 3750 4455 1.2 3325 200.0 18,000 5.53 8.45 5.40 20.1 4850 41077 20.1 4475 3708 1.2 20.0 18,000 5.53 8.45 3.13 9.9 3750 44827 9.9 3750 4455 1.2 30.0 18,000 5.53 8.45 3.13 9.9 3750 44827 9.9 3750 4455 1.2 30.0 18,000 5.53 8.45 3.1 3.0 9.9 3750 44827 9.9 3750 4455 1.2 30.0 32.6 40.0 30.0 30.0 4.2 2.0 3.0 4.0 4.0 3.0 4.0 4.0 4.0 4.0 4.0 4.0	NE 62	0.0	14 430 0	4.52	8.35	3.83	12.1				12.1			
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69   200.0   15,885.0   4.86   8.42   3.56   11.3   1850   13913   11.3   1850   12713   70   200.0   16,085.0   4.21   8.43   4.22   16.3   2760   16673   13.3   2460   15173   17.1   200.0   16,085.0   7.80   8.44   0.64   2.0   1830   18503   2   21530   16703   17.1   200.0   16,464.0   2.70   8.45   5.75   21.2   2076.4   20579   21.2   2076.4   18779   1.1   250.0   16,714.0   5.24   8.45   3.21   10.2   392.5   24504   10.2   392.5   22704   2.2   250.0   16,764.0   3.91   8.45   4.54   17.4   3405   27954   14.4   3075   22770   2.3   250.0   17,214.0   4.48   8.45   3.87   12.2   3700   31654   12.2   332.5   29104   3.3   296.0   17,214.0   4.48   8.45   3.87   12.2   3700   31654   12.2   332.5   29104   3.3   296.0   17,510.0   3.50   8.45   4.95   18.7   4573.2   36227   15.7   4129.2   3323   2.2   2.							7.2			•				<del></del>
70				<del></del>	8.42	3,56	11.3				·			
11   20.0   10,29.0   2.30   5.45   5.75   21.2   2076.4   20579   21.2   2076.4   18779			- Company of the Street		8.43								<del></del>	
1   1950   16,714.0   5.24   8.45   3.21   10.2   3925   24504   10.2   3925   22704	1			7.80	8.44				<del></del>	_			+	+
1	-(1	179.0	16,464.0	2.70	8.45									
2 250.0 15,540.0 257 6.42 38.45 3.87 12.2 3700 31654 12.2 3325 29104 3 250.0 17,214.0 458 8.45 3.87 12.2 3700 31654 12.2 3325 29104 3 250.0 17,760.0 3.05 8.45 5.40 20.1 4850 41077 20.1 4475 37708 1 250.0 18,010.0 5.32 8.45 3.13 9.9 3750 44827 9.9 3750 41458 1 250.0 18,010.0 5.32 8.45 5.50 3.13 9.9 362.5 48790 21.8 3962.5 45421 1 250.0 18,260.0 2.50 8.45 5.59 21.8 3962.5 48790 21.8 3962.5 45421 1 250.0 18,329.0 7.44 8.45 1.01 3.2 862.5 49652 3.2 862.5 46283 73 201.0 18,530.0 5.31 8.46 3.15 10.0 1326.6 50979 10 1326.6 47610 74 200.0 18,730.0 6.35 8.47 2.12 6.7 1670 52649 6.7 1670 49280 75 200.0 18,330.0 6.27 8.48 2.21 7.0 1370 54019 7 7 1370 50650 76 200.0 19,330.0 6.27 8.48 2.21 7.0 1370 55039 6.1 1310 51960 77 200.0 19,330.0 6.57 8.49 1.92 6.1 1310 55329 6.1 1310 51960 78 200.0 19,330.0 6.77 8.51 3.04 9.6 2150 59279 9.6 2150 55910 79 200.0 19,330.0 6.19 8.52 2.33 7.4 1700 60979 7 7.4 1700 57610 80 20.00 19,330.0 6.18 8.52 2.33 7.4 1700 60979 7 7.4 1700 57610 80 20.00 19,330.0 6.18 8.52 2.33 7.4 1700 60979 7 7.5 1490 59100 80 20.00 19,330.0 6.18 8.55 2.38 7.5 1490 62669 7.5 1490 59100 82 200.0 20,330.0 6.18 8.56 2.38 7.5 1490 6269 7.5 1490 59100 82 200.0 20,330.0 6.18 8.56 2.38 7.5 1490 6269 7.5 1430 6229 7.5 1430 6229 82 200.0 20,330.0 6.18 8.56 2.38 7.5 1490 6269 7.5 1490 59100 82 200.0 20,330.0 6.18 8.56 2.38 7.5 1430 6229 7 7.5 1430 6229 82 200.0 20,330.0 6.18 8.56 2.38 7.5 1430 6229 7 7.5 1430 6229 82 200.0 20,330.0 6.18 8.56 2.38 7.5 1430 6229 7 7.5 1430 6229 82 200.0 20,330.0 6.18 8.56 2.38 7.5 1430 6229 7 7.5 1430 6229 82 200.0 20,330.0 6.18 8.56 2.38 7.5 1430 6229 7 7.5 1430 6229 7 7.5 1430 6229 82 200.0 20,330.0 6.18 8.56 2.38 7.5 1430 6229 7 7.5 1430 6229 7 7.5 1430 6220	-1	250.0	16,714.0		8.45				<del></del>					
3 296.0 17,510.0 3.50 8.45 4.95 18.7 4573.2 36227 15.7 4129.2 33233 2 250.0 17,760.0 3.50 8.45 5.40 20.1 4850 41077 20.1 4475 37708 1 250.0 18,010.0 5.32 8.45 3.13 9.9 3750 44827 9.9 3750 4158 2 1 250.0 18,260.0 2.50 8.45 5.95 21.8 3962.5 48790 21.8 3962.5 48421 72 69.0 18,329.0 7.44 8.45 1.01 3.2 862.5 48790 21.8 3962.5 46283 73 201.0 18,530.0 5.31 8.46 3.15 10.0 1326.6 50979 10 1326.6 47610 74 200.0 18,730.0 6.35 8.47 2.12 6.7 1670 52649 6.7 1670 49280 75 200.0 18,930.0 6.27 8.48 2.21 7.0 1370 54019 7 7 1370 50650 76 200.0 19,330.0 4.72 8.50 3.78 11.9 1800 57129 11.9 1800 53760 78 200.0 19,330.0 4.72 8.50 3.78 11.9 1800 57129 11.9 1800 53760 78 200.0 19,330.0 4.72 8.50 3.78 11.9 1800 57129 11.9 1800 53760 79 200.0 19,330.0 5.47 8.51 3.04 9.6 2150 59279 9.6 2150 55910 80 200.0 19,330.0 6.15 8.53 2.38 7.5 1430 6079 7.5 1430 62469 7.5 1430 6220 82 200.0 20,330.0 6.18 8.56 2.38 7.5 1430 66209 7.5 1430 6220 82 200.0 20,330.0 6.18 8.56 2.38 7.5 1430 66209 7.5 1430 6220 82 200.0 20,330.0 6.18 8.56 2.38 7.5 1430 66209 7.5 1430 6220 82 200.0 20,330.0 6.18 8.56 2.38 7.5 1430 66209 7.5 1430 6220 82 200.0 20,330.0 6.18 8.56 2.38 7.5 1430 66209 7.5 1430 6220 82 200.0 20,330.0 6.18 8.56 2.38 7.5 1430 66209 7.5 1430 6220 82 200.0 20,330.0 6.18 8.56 2.38 7.5 1430 66209 7.5 1430 6220 82 200.0 20,330.0 6.18 8.56 2.38 7.5 1430 66209 7.5 1430 66200 82 200.0 20,330.0 6.18 8.56 2.38 7.5 1430 66209 7.5 1430 66200 82 200.0 20,330.0 6.18 8.56 2.38 7.5 1430 66209 7.5 1430 66200 82 200.0 20,330.0 6.18 8.56 2.38 7.5 1430 66209 7.5 1430 66200 82 200.0 20,330.0 6.18 8.56 2.38 7.5 1430 66209 7.5 1430 66200 7.5 1430 66200 82 200.0 20,330.0 6.18 8.56 2.38 7.5 1430 66209 7.5 1430 66200 82 200.0 20,330.0 6.18 8.56 2.38 7.5 1430 66209 7.5 1430 66200 82 200.0 20,330.0 6.18 8.56 2.38 7.5 1430 66209 7.5 1430 66200 7.5 1430 66200 82 200.0 20,330.0 6.18 8.56 2.38 7.5 1430 66209 7.5 1430 66200 7.5 1430 66200 82 200.0 20,330.0 6.18 8.56 2.38 7.5 1430 66209 7.5 1430 66200 7.5 1430 66200 7.5 1430 66200 7.5 1430 66200 7.5 1430 66200 7.5 1430 66200 7.5 14	-2	250.0	16,964.0						<del></del>				+	
3         250.0         17,160.0         3.05         8.45         5,40         20.1         4850         41077         20.1         4475         37708           1         250.0         18,010.0         5.32         8.45         3.13         9.9         3750         44827         9.9         3750         41458           (1)         250.0         18,260.0         2.50         8.45         5.95         21.8         3962.5         48790         21.8         3962.5         4521           72         69.0         18,239.0         7.44         8.45         1.01         3.2         862.5         49652         3.2         862.5         4523           73         201.0         18,530.0         6.35         8.47         2.12         6.7         1670         52649         6.7         1670         49280           74         200.0         18,930.0         6.27         8.48         2.21         7.0         1370         54019         7         1370         50650           75         200.0         19,130.0         6.57         3.49         1.92         6.1         1310         55329         6.1         1310         51960           77         <	-3	250.0	17,214.0					<del></del>		-				
2   250,0	3	296.0											<del></del>	~
1         250.0         18,060.0         2.50         8.45         5.95         21.8         3962.5         48790         21.8         3962.5         45421           72         69.0         18,329.0         7.44         8.45         1.01         3.2         862.5         49652 *         3.2         862.5         46283           73         201.0         18,530.0         5.31         8.46         3.15         10.0         1326.6         50979         10         1326.6         47610           74         200.0         18,730.0         6.35         8.47         2.12         6.7         1670         52649 *         6.7         1670         49280           75         200.0         18,930.0         6.27         8.48         2.21         7.0         1370         54019 *         7         1370         50650           76         200.0         19,130.0         6.57         3.49         1.92         6.1         1310         55329 *         6.1         1310         51960           77         200.0         19,330.0         4.72         8.50         3.78         11.9         1800         57129         11.9         1800         53760           78<	2									_		<del></del>		
172   69.0   18,329.0   7.44   8.45   1.01   3.2   862.5   49652   *   3.2   862.5   46283     73   201.0   18,530.0   5.31   8.46   3.15   10.0   1326.6   50979   10   1326.6   47610     74   200.0   18,730.0   6.35   8.47   2.12   6.7   1670   52649   *   6.7   1670   49280     75   200.0   18,930.0   6.27   8.48   2.21   7.0   1370   54019   *   7   1370   50650     76   200.0   19,130.0   6.57   8.49   1.92   6.1   1310   55329   *   6.1   1310   51960     77   200.0   19,330.0   4.72   8.50   3.78   11.9   1800   57129   11.9   1800   53760     78   200.0   19,530.0   5.47   8.51   3.04   9.6   2150   59279   9.6   2150   55910     79   200.0   19,730.0   6.19   8.52   2.33   7.4   1700   60979   *   7.4   1700   57610     80   200.0   19,930.0   6.15   8.53   2.38   7.5   1490   62469   *   7.5   1490   59100     81   200.0   20,130.0   7.16   8.54   1.38   4.4   1190   63659   *   4.4   1190   60290     82   200.0   20,330.0   6.41   8.55   2.14   6.8   1120   64779   6.8   1120   61410     83   200.0   20,330.0   6.18   8.56   2.38   7.5   1430   66209   *   7.5   1430   62240     84   200.0   20,730.0   6.83   8.58   1.75   5.5   1190   68789   *   5.5   1190   65420     85   200.0   20,330.0   6.83   8.58   1.75   5.5   1190   68789   *   5.5   1190   65420     86   200.0   21,130.0   6.91   8.59   1.68   5.3   1080   69869   *   5.3   1080   66500     87   200.0   21,330.0   6.90   8.60   1.70   5.4   1070   70939   *   5.4   1070   67570     Sub Total   6,900.0   50.00	1											<del></del>		
72									<del></del>			<del></del>		
73         201.0         18,730.0         6.35         8.47         2.12         6.7         1670         \$2649 *         6.7         1670         49280           75         200.0         18,730.0         6.35         8.47         2.12         6.7         1670         \$2649 *         6.7         1670         49280           75         200.0         18,730.0         6.57         8.48         2.21         7.0         1370         \$4019 *         7         1370         50650           76         200.0         19,130.0         6.57         8.49         1.92         6.1         1310         \$5329 *         6.1         1310         \$1960           77         200.0         19,330.0         4.72         8.50         3.78         11.9         1800         \$7129         11.9         1800         \$3760           78         200.0         19,530.0         5.47         8.51         3.04         9.6         2150         \$9279         9.6         2150         \$5910           79         200.0         19,730.0         6.19         8.52         2.33         7.4         1700         6079 *         7.4         1700         \$5710           80														
74			18,530.0	5.31		<del></del>								
75 200.0 19,130.0 6.57 8.49 1.92 6.1 1310 55329 * 6.1 1310 51960  77 200.0 19,330.0 4.72 8.50 3.78 11.9 1800 57129 11.9 1800 53760  78 200.0 19,530.0 5.47 8.51 3.04 9.6 2150 59279 9.6 2150 55910  79 200.0 19,730.0 6.19 8.52 2.33 7.4 1700 60979 * 7.4 1700 57610  80 200.0 19,930.0 6.15 8.53 2.38 7.5 1490 62469 * 7.5 1490 59100  81 200.0 20,130.0 7.16 8.54 1.38 4.4 1190 63659 * 4.4 1190 60290  82 200.0 20,330.0 6.41 8.55 2.14 6.8 1120 64779 * 6.8 1120 61410  83 200.0 20,530.0 6.18 8.56 2.38 7.5 1490 66209 * 7.5 1430 62400  84 200.0 20,330.0 6.18 8.56 2.38 7.5 1430 66209 * 7.5 1430 62400  84 200.0 20,330.0 6.54 8.57 2.03 6.4 1390 67599 * 6.4 1390 64230  85 200.0 20,330.0 6.54 8.57 2.03 6.4 1390 67599 * 6.4 1390 64230  86 200.0 20,330.0 6.54 8.57 2.03 6.4 1390 67599 * 6.4 1390 64230  86 200.0 21,130.0 6.91 8.59 1.68 5.3 1080 69869 * 5.3 1080 66500  87 200.0 21,330.0 6.90 8.60 1.70 5.4 1070 70939 * 5.4 1070 67570  Sub Total: 6,900.0														
76   200.0   19,130.0   4.72   8.50   3.78   11.9   1800   57129   11.9   1800   53760     78   200.0   19,330.0   5.47   8.51   3.04   9.6   2150   59279   9.6   2150   55910     79   200.0   19,730.0   6.19   8.52   2.33   7.4   1700   60979   7.4   1700   57610     80   200.0   19,730.0   6.15   8.53   2.38   7.5   1490   62469   7.5   1490   59100     81   200.0   20,130.0   7.16   8.54   1.38   4.4   1190   63659   4.4   1190   60290     82   200.0   20,330.0   6.41   8.55   2.14   6.8   1120   64779   6.8   1120   61410     83   200.0   20,330.0   6.18   8.56   2.38   7.5   1430   66209   7.5   1430   662840     84   200.0   20,730.0   6.54   8.57   2.03   6.4   1390   67599   6.4   1390   64230     85   200.0   20,730.0   6.54   8.57   2.03   6.4   1390   67599   6.4   1390   64230     86   200.0   20,730.0   6.83   8.58   1.75   5.5   1190   68789   5.5   1190   65420     86   200.0   21,130.0   6.91   8.59   1.68   5.3   1080   69869   5.3   1080   66500     87   200.0   21,330.0   6.90   8.60   1.70   5.4   1070   70939   5.4   1070   67570     Sub Total   6,900.0   50.00														
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Sub Total   6,900.0   Sub-Total   70939   Sub-Total   67570					<del></del>			<del></del>	<del></del>	_				
360 1014- 0,700.0	- <u>*</u> /				J	1 1.70								
1 10(a): 10(350.0) 10(a): 10(a): 737(0 5 10(a): 110155	-				<u></u>									
1001.		Total:	10,350.0			1141	100	1 0(31:	- 9391	v		, 1041	- 11012	. 3113

Table BQ 3.4(1) :B.Q OF FLOOD WALL- N.WEST (NE)

	i		Flood Wall	Form	Exca-	Brick	Foot	Back	Land Acquis	tition	
Station	Flood	Distance	(T/I-Type)	Work	vation	Soling	Protection		Non		Remarks
	Wall		R.C.C	1.		·	(Brick		Commercial	Commercial	
	Height	,	Volume	0			soling)		Arca	Arca	
NE O	m 130	m D	m3 0	rn2 0	m3 0	m2 0	m2 0	m3 0	m2	m2	
NE 0	1.30 1.30	200	105	1040	250	50	800		1000		
2	2.50 (T)	203	477	1420	772	589	1075			1015	
3	2.50 (T)	197	463	1380	749	572	985			985	
4	2.80(1)	200	520	1520	790	640	1120			1000	
5	3.25 (T)	205	605	1743	913	748 52	1333	472		1025	
6 7	1.80	205 190	150	1486	410		820	328	***********	1025 0	
8	2.60 (T)	200	490	1440	750	600	1040	400		1000	
9	2.80 (T)	200	520	1520	790	640	1120	420		1000	
10	2.80 (T)	200	520	1520	790	640	1120			1000	
11	1.80 2.00	200	150	1450	400	50	800	320		1000	
12	2.00	200	160	1600	470	50	800	380		1000	
13 14	2.40(T)	200 200	380 470	1360 1400	710 760	560 580	960 1000			1000 1000	
15	250(I) 240(T)	200	380	1360	710	560	960			1000	
16	1.40	200	110	1120	280	50	800	220	*	800	
17	2.00	200	160	1600	470	50	800	380		1000	
18	2.00	200	160	1600	470	50	800	380		1000	
19	1.80	200	150	1450	400	50	800	320	1000		
20 21	1.30	200 200	105 470	1100 1400	250 760	50 580	800 1000		1000 1000		
22	2.5 (T) 1.40	200 200	110	1120	280	50	1000 800	220	1000		
23	1.40	200	110	1120	280	50	800	220		800	
24	2.00	200	160	1600	470	50	800	380		1000	
25	1.60	200	130	1280	340	50	800	270	1000		
26	1.80	200	150	1450	400	50	800	320	1000		
27	3.50 (T) 3.00 (T)	200	630 550	1800 1600	978 840	780 680	1400 1200		1000	1000	
28 29	2.00	200 200	160	1600	470	50	800	<b>7</b>	1000 1000		
30	2.50 (T)	200	470	1400	760	580	1000	<b>4</b>	1000		
31	2.80 (T)	200	520	1520	790	640	1120		1000		
32 33	1.80	200	150	1450	400	50	800	320	1000		
33	2.00	200	160	1600	470	50	800		1000	1000	
34	2.40(I)	200 200	380 120	1360 1200	710	560 50	960 800		1000	800	
35 36	1.50 2.50 (T)	200 200	470	1400	316 760	580	1000			1000	
37	1.60	191	124	1222	325	48	612			955	
38	2.50 (T)	234	550	1400	890	679	1170	457		1170	
39	1.50	175	105	1050	271	44	700	210		700	
40	1.60	200	130	1280	340 670	50	800		1000	.,,.,,	
41	2.20(1)	200	425 80	1280	670 180	520 50	880 800	<b>†</b>		600	
42 43	1.00 1.60	200 200	80 130	800 1280	340	50 50		<b>*</b> ***********		1000	
44	1.50	200	120	1200	310	50	800	<b>+</b> • • • • • • • • • • • • • • • • • • •		800	
45	2.50 (T)	200	470	1400	760	580	1000	<b>4</b>		1000	
46	3.00(1)	200	550	1600	840	680	1200	440	1000		
47	2.60 (T)	200	490	1440	750	600	1040	<b>*</b> ************	1000		
48	1.70	200	140	1360	370	14933		<del></del>		27575	
55	Sub-Total 1.80	9600	14129 150	65321	26204 400	14832 50	43415 800	<b>*</b> *************	18000 1000	,.,.,	
55 NE 56	1.80	200 200	150	1450 1450	400	50	800		1000		
57	3.00 (T)	200	550	1600	840	680	1200	440	***************************************	1000	
58	2.50 (T)	200	470	1400	760	580	{**, a	<b></b>	,	1000	
59	1.50	200	120	1200	310	50	800	240		1000	
60 61	1.00	200	80	800	180	50	800	140		600	
61	1.10	200	90	880	200	50	800			800	
62	2.50 (1) Sub-Total	180 1580	470 2080	1400 10180	. 760 3850	522 2032	7100		2000	900 5300	
88	0.75	1380 500	2080 175	1500	325	125	2000	<del>                                     </del>	2000	2000	
7-	Sub-Total	500	175	1500	325	125	2000	<del></del>		2000	
	Total	11680	16384	77001	30379	16989	52515		20000	34975	

TABLE BQ3.4(2): BILL OF QUANTITIES FORFLOOD WALL:LAND (N.WEST (N

Station	Flood	Distance	Colf Constitution and Colfe Separation (Colfe Separation)	LANI	J ACQUISI	TION	
	Wall		Easi	ly Availab		y Available	Building
	Height		Width(m)	Area	Width (m)	Area	Compensation
	m	m	(4+1) m	(m2)	(2h+1) < 5  m	(m2)	(m2)
NEO	1.30	0	5				
1	1.30	200	5	1000			-
2	2.50 (T)	203		2.00 E	5	1015	٠ .
3	2.50 (T)	197			5	985	· <u>-</u>
4	2.80 (T)	200			5	1000	-
5	3.25 (T)	205			5	1025	
6	1.80	205	: .		5	1025	-
7		_			5		
8	2.60 (T)	200			5	1000	-
9	2.80 (T)	200			5	1000	_
10	2.80 (T)	200			5	1000	-
11	1.80	200			5	1000	-
12	2.00	200			5	1000	-
13	2.40 (T)	200			5	1000	
14	2.50 (T)	200			5	1000	
15	2.40 (T)	200			5	1000	
16	1.40	200			5	800	
17	2.00	200			5	1000	
18	2.00	200			5	1000	
19	1.80	200	5	1000	_	1000	_
20	1.30	200		1000		•	_
20		200		1000			_
	2.5 (T) 1.40	200					_
22	1.40	200		1000		800	
23		200			4 5	1000	
24	2.00	200		1000		1000	
25	1.60	200					
26	1.80		1 :	1000	5	1000	
27	3.50 (T)	200		1000		1000	_
28	3.00 (T)	200		1000			_
29	2.00	200	) 2	1000			
30	2.50 (T)			1			
31	2.80 (T)						
32	1.80	200		1000	_	1000	
33	2.00	200		1000	5	1000	
34	2.40 (T)			1000		900	
- 35	1.50	200			4	800	
36	2.50 (T)				5	1000	
37	1.60	191			5	955	
38	2.50 (T)				5	1170	
39	1.50	175			1 4	700	기 -
40	1.60	200					-
41	2.20 (T)			1000			_
42	1.00	200			3	600	
43	1.60	200			5		
44	1.50	200		1	4		
45	2.50 (T)	200			5	1000	)  -
46	3.00 (T)	200					
47	2.60 (T)	200				<u> </u>	-
	<u> </u>	9210		17000	)	2767.	5

4.00

Table BQ3.5(1) Main Feature of Proposed Sluice Gate N.WEST

I. Nar	ayanganj West							````T				1					
	NE84 + 120	21	1.70	1.70	24.00	,	1.70	5.00	11.00	1.70	3.70	5.70	5.00	5.00	7.00	2.00	Emb
11	NE04 T 120	(KN-18)	Ali.y							·····"	· · · · · · · · · · · · · · · · · · ·					9.40 3.70	1
		7.23		. 1			·				į	]				İ	
2	NE 77 + 160	22	2,60	2.60	39.30	1	2.60	10.00	23.20	3.30	8.00	10.00	12.00	10.00	15.50	2.00	Pump/Emb P12 : (2.0 m3/s)
1		(KN-19) 16.72												1	•	4.50	
	, pri 40 . 100	23	3.00	3.00	38.00	1	3.00	10 00	23.60	3.70	8.00	10.00	11.00	10.00	15.50	2.00	Pump/Emb
3	NE69 + 100	(KN-20)	3.00													20.00 4.50	P13 : (2.2 m3/s)
		20.04											ı				
4	NE49 + 100	24	2.20	2.20	24.00	2	5.10	5.00	14.00	5.40	7.40	9.40	5.00	5.00	No	4.50 12.24	Emb
		(KN-22) 21.9														3.87	
		100				١.	200	1.50	11.00	200	3.50	5.50	1.50	5.00	No	2.50	F, Wall
5	NE46 + 180	25 (KN-23)	2.00	2.00	7.00		2.00	1.30	11.00	2.00	3.27					9.26	
		10.54		17		l		ŀ								3.38	: '
6	NE40 + 170	26	2.00	2.00	7.00	11	2.00	1.50	11.00	2.00	3.50	5.50	1.50	5.00	No	2.50 9.28	F. Wall
		(KN-24) 10.31				ļ		İ .					}			3.39	
							200			200	3.50	5.50	1.50	5.00	No	2.00	F. Wall
7	NE32	27 (KN-25)	2.00	2.00	7.00		2.00	1.30	11.00		3.50	1.9.59.				8.88	
	1	8.83		1												3.44	
8	NE26 + 150	28	2.00	2.00	7.00	1 1	2.00	1.50	11.00	2.00	3,50	5.50	1.50	5.00	No	2.00	
		(KN-26) 9.18			I											8.92 3.46	
		1 1 1					l						150	5 00	λJo	Box Culvert	F. Wall
9	NE19	(S-1)	3.00	3.00	7.00	11	3.00	1.50	5.00	3.00	4.50	6,50	1.50	5.00	No	3.00	
		10.47				١.		1								3.0mx3.0m	
10	NE8 + 50	30	2.50	2.50	7.00	1	2.50	1.50	5.00	2.50	4.00	6.00	1.50	5.00	No	Pipe Culvert	F. Wali
		(S-2)	1	1	1							:	ļ			2.50 D=2.5m	
		6.17	:			•									- 37_	2.00	F. Wall
11	NE5 + 70	31 (KN-27)	1.70	1.70	7.00	11	1.70	1.50	10.00	1.70	3.20	3.20	1.50	5.00	No	8.04	
		7.18														3.02	
12	NEI + 150	32	2.20	2,20	7.00	1	2.20	1.50	4.00	2.20	3.70	5.70	1.50	5.00	No	Pipe Culvert	
		(S-3)	1	1	1	1	1	[								2.20 D=2.2m	ή
		3.89	1	1						1					15.5	1	Down (F
13	NW23	33A	2.40	2.40	38.00	2	5.80	10.0	16.00	6.60	10.00	112.00	9.00	10.00	15.50	14.00	Pumo/Emb P14A : (2.7 m3/s)
		(KN-28) 26.97						1		1.		1				4.00	
	hmi14 - 104		3.00	3.00	29.50	2	70	10.0	0 19.60	7.80	14.00	16.00	15.00	10.00	8.50	9.50	
14	NW14 + 190	33B (KN-30)	3.00	1 3.00	1,27.30	1	1,4:55	1	1		1	1	T		·	17.5 4.0	
-1	1 .	43.15	1	1	1		1	.1	1	L		ــــــــــــــــــــــــــــــــــــــ		1	1	4.0	4

Table BQ3.5(2) BQ OF SLUICE GATES :N.WEST

Narayanganj We	ISI.	8.58									
		3.30							140	265	22
21	51.75	145.32	19.35	216.42	193.80	13	13	168	147	365	23
21 (KN-18)											
7.23		8.54									
·		0.00									
22	141.89	313.43	70.37	525.69	297,90	37	13	485	312	2917	201
(KN-19)											
16.72		8.47			1						
10.72		3.21									
22	154,39	324.48	68.07	546.94	312.30	40	13	524	316	763	4
23 (KN-20)											
20.04		8.30									
20.04		2.63									
			31.47	385.90	254.40	38	13	491	214	788	34
24	66.02	288.41	31,47	363.50	234.40						
(KN-22)				<del></del>							
21.9		7.69									
L		3.12				<del></del>	- 6	51	145	126	
25	28.23	40.00	5.22	73.44	176.70	- 8	- 0	31	143	120	
25 (KN-23)									<del></del>		
10.54	7 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	7.65									
		3.11								127	
26	28.23	39.94	5.22	73.38	176.70	. 8	. 6	51	145	121	
(KN-24)	1 1 2 2 2 2										
10.31		7.59				-:-					
- T		3.06									
27	28.23	39.92	5.22	73.36	176.70	8	6	51	145	131	
(KN-25)											
8.83		7.55									
5.85		3.04	7.								
28	28.23	39.88	5.22	73.32	176.70	8	6	51	145	133	
	10.12	37.66	J.D.								
(KN-26) 9.18		7.52									
9.18		3.33									·
				69.09	182.70	13	6	75	95	123	
29 (S-1)	11.18	51.34	6.58	69.09	102.10		<del></del>	<del>/-</del>			
							<del></del>				
10.47		7.47					<del></del>				
		3.00						63	90	145	
30 (S-2)	11.35	45.85	5.90	63.10	170.70	10	6		70	143	
(S-2)											
6.17	1.00	7.44									
· [		2.98									
31	23.85	36.15	4.81	64.81	166.50	7	6	43	132	133	
31 (KN-27)											
7.18		7.42									
		3.25									
32	8.25	41.62	5.49	55.36	160.50	9	6	55	77]	118	
(S-3)											
3.89		8.30		-							
2.07		0.50		12							
	113.17	484.89	67.69	665.76	306.60	72	16	1147	260	3057	1
33A	113.17	404.09	07.09	0.0.70	300.00	<del></del> -					
(KN-28)											
26.97		8.17									
. [		0.50			- 00:00			889	336	2930	1
33B	141.19	441.80	136.36	719.35	324 00	81	11	499	330	2730	
(KN-30)				1						+	
43.15			T			- 1				i	

Table BQ 3.6: BQ of Pump Station: Narayanganj West

													····				
	Mechanic.	& Electric.	(L.S)	•		7	<b>P-4</b>	pl			g-v-c		<b>}4</b>	<b>F4</b>		prof	F4
	Building	)	(L.S)	r			<b>P</b> -1-1	good		-	7-1	•	f(	<b>7</b> 1		cheel	-
	Operation	Bridge	(m2)		•	16	16		16	16		17	17		œ	80	57
			(m2)	. :	700		652	1,104	-	<u></u> 8	1,153	,	1,153	301	,	301	3,210
	Bed Protec   Bed Protec   Sodding	(Brick)	(m2)	,	130	,	130	130	•	130	141		141	193	,	193	594
	Red Protect	(Block)	(m2)		ı	63	63		63	9	•	63	63	,	63	63	252
	Slone		(m2)		1,203		1,203	749		749	358		358	1,283		1,283	3,593
.7	Form		(m <sub>2</sub> )		1,240	520	1,760	1,149	490	1,639	1,280	564	1,843	1,589	760	2,349	7,591
	Re Bar		Ξ		99	21	8	2	ଯ	84	7	23	24	88	31	119	388
	Concrete Re Bar	12.2	(m3)		689	236	52.6	638	223	861	711	256	296	883	345	1,228	3,981
¥	aveling.	Conce	(m3)		25	36	68	54	8	87	58	39	76	88	53	138	411
Dil of Prantition	Shoot D		(m2)		36	170	209	39	170	209	42	171	213	9	176	236	198
153	41000	3	Œ	7.	786	435	1.22.1	846	456	1,302	893		1,395	696	479	1,448	5,366
			(m3)	Ί.	4,000	,	4,000	3,077		3,077	2.974		2,974	4.717		4,717	42,158 21,356 14,767
	Deep Destring Darkell	Simulation	(m3)	1	4,338	,	4,338	7,342		7,342	7.675		7,675	2,002		2,002	21,356
	2000	17V2	(m3)		11,418	. 1	11,418	8.783		8,783	8 490		8,490	13.468	1	13,468	42,158
	ř	1			Pump Station (Q=2.0)	P12   Sluice Way (1.0X1.0)	Sub Total	Pump Station (O=2.2)	Sluice Way (1.0X1.0)	Sub Total	Prum Station (O=2.7)	Sluice Way (1.1X1.1)	Sub Total	Pump Station (0=5.3)	Sluice Way (1.5X1.5)	Sub Total	Total
		What No.	(TOLET TOLET)			P12	(KN-19)		P13	(KN-20)		P14A		-	P14R	(KN-30)	
ľ		roject				NB-1			NB-2			NB-4			NR.5		

.

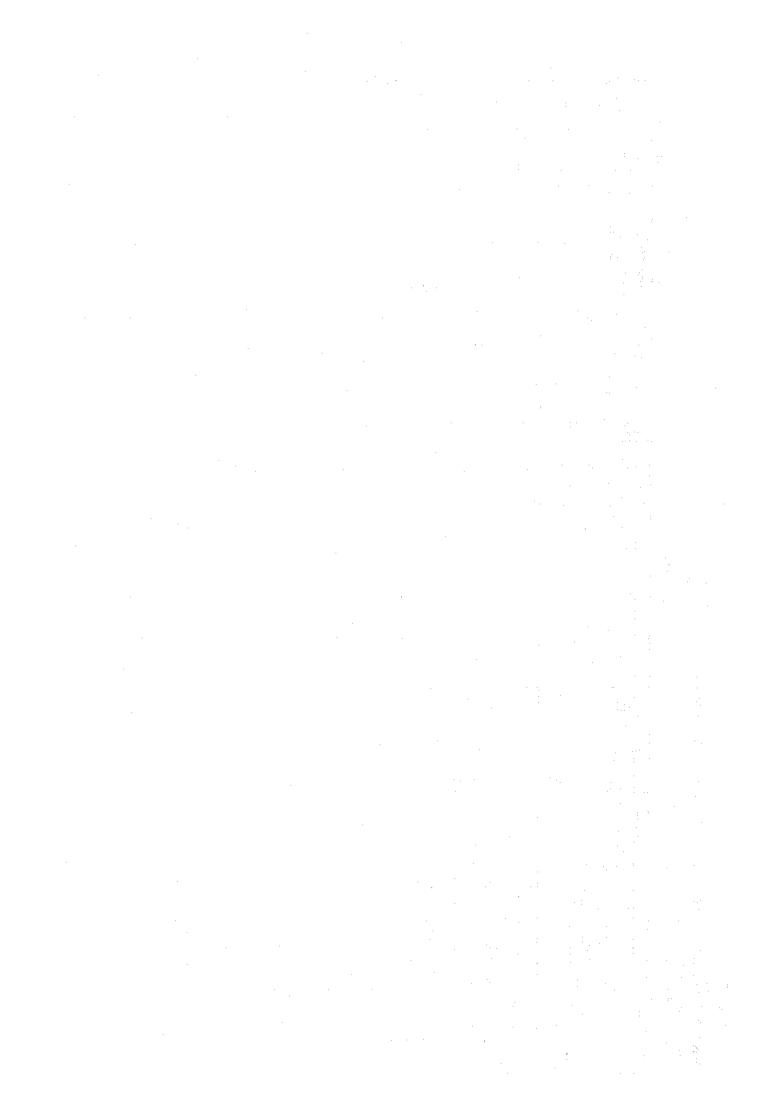
Table BQ 3.7: BQ of Khal Improvement and Bridge: Narayanganj West

Zone	Khal	Khal	Open	Channel	Covere	xl Char	Bridge	Aqueduct	Banking	Dredging	Maintenance	Land
2.0110	1231111	Length	Brick	Sodding	Box	Brick					Road	Acquisition
	•	258	Protection		Culvert	Pipe	(places)	(places)				
	No.	(km)	(m2)	(m2)	(m)	(m)	4	(1)	(1000m3)	(1000m3)	(1000m2)	(ha)
					``_`							
	KN-18	0.40	3,960	• •	_	•	-		11.20	5.52	2.40	0.65
NB-1	KN-19	1.20		10,182	-	-	1	-	33.60	29.85	7.20	2.43
·	Sub-Total	1.60	3,960	10,182	0	0	- 1	0	44.80	35,37	9.60	3.08
	WM 00	0.90		6,364		_	-		25.20	8.46	5.40	0.90
NID A	KN-20 KN-21		13,859	0,304	•	-	1	-	39.20	26.90		2.50
NB-2		1.40		-	-			•	22.40		1	1.60
	KN-22	0.80	9,051	[		-	2	•	86.80	45.20	i .	5.00
	Sub-Total	3.10	22,910	6,364	0	0	3	0	80.80	45.20	18.60	5.00
	KN-23	0.60	5,940		_	-	1	_	16.80	7.80	3.60	1.02
	KN-24	0.70	6,930				1		19.60	11.20	1 4	1.20
	KN-25	0.40	3,960				_	-	11.20			
NB-3	KN-26	0.60	5,940		_	-		. •	16.80	0.00		0.12
	KN-27	0.30	2,970	_			_		8.40	1.80		0.31
	S-1	0.90		_	900			_		-	_	-
	S-2	0.30		•	_	300		-	_	_	-	
	S-3	0.20		_	_	200	· -	-			-	-
	Sub-Total		25,739	. 0	900	500	2	0	72.80	20.80	15.60	3.02
	1	Heart										
				<del></del>								
	KN-28-1	0.90		7,637			-	•	25.20	10.25	5.40	1.65
NB-4	KN-28-2	0.50		3,960			-	•	14.00	4.33	3.00	1.04
	KN-29	1.40	15,839	-	-	-	2		39.20	35.40	8.40	2.70
;	Sub-Total	2.80	15,839	11,597	0	0	2	0	78.40	49.98	16.80	5.39
	EN 20 1	0.20	2 204		· · · · · · · · · · · · · · · · · · ·		4		8.40	13.52	1.80	0.41
	KN-30-1 KN-30-2	0.30 1.50	3,394 16,971			-	1	•	42,00	13.52		
NB-5	KN-30-2 KN-31-1	0.80	10,9/1	6,788		-	1	-	22.40	22.80		1
C-GN	KN-31-1 KN-31-2	1.30	14,708	0,700		_	2		36.40			
.	KN-31-2	1.80	20,365		} `	į	2		50.40		J .	3
		5.70		6,788	0	0	6	0	159.60		1	i .
	Sub-Total	3.70	55,438	0,788	V	U	В	<u> </u>	139.00	120.89	34.20	9,00
	Total	17.20	123,886	34,931	900	500	14	0	442.40	272.24	94.80	26.15

7354 BQ 3.8:CONSTRUCTION COST OF KHAL IMPROVEMENT AND TRUNK DRAIN WORKS

Nareyanganj West Zone (NB)

Ω		Total	1,411	4224	5,645		3,175	4,939	10,937		2,117	2,470	1.411	2,117	1,058	1	1	(	9,173		3,175	1,764	4,939	9,878	1,058	5,292	2,822	4,586	6,350	20,110	55,742	
(1991 Price)		Cost Cost	4	423	38	1	313	6 6	266.		212	247	4	212	8	1	(	•	917		318	176	494	988	901	529	282	459	635	2,011	5,574	
		Construction Cost (1000TK)	1,270	3,810	5,080	1	2,858	4,445	9,843		1,905	2,233	270	1,905	953	l.	•	l	8,256		2,858	1,588	4,445	8,891	953	4,763	2,540	4,128	5,715	18,099	50,168	
	1		<u>8</u>	10	2	-	ខ្ម	<u>Q</u> (	2 2		01	Ö.	<u>a</u>	ŭ	0	•	ı	•	ខ្ព		o C	õ	01	0	- 07	22	ō	ŏ	20	<u>0</u>	2	
	Maintenance Road	Unit Construction Cost	8	ይ	8				8 8		8					,	,	,	8			8		06					ĝ	8	8	
	Mar	Total	J	588				583		L			88		588	1	•	,							588				588			
		Area (m2)	2,400	7,200	6,600	,	84.8	8,400	18,600		3,600	4,200	2,400	3,600	1,800	•	٠	1	15,600		5,400	3,000	8,400	16,800	1,800	000'6	4,800	7,800	10,800	34,200	94,800	
		TooTK)		•				F *	1			,	,	•		76,168	8,420	5,105	89,693		,	1	•			.,		•	'		89,693	
		Construction Cost (1000TK)	,	,					•		,		,	1	•	30,467	4.547	2,757	37,77	-		,	•			1		•	1		37,771	
		Construct		•				1	į		. 1	,	,	ı	,	45,701	3,873	2,348	51,922				,	:	,		1	,	•		51,922	
			,	•			,	,	1		,	,		. •	,	03	32	32	42		,	,	ı		,	'	1	ı	,		42	
	Covered Channel	Unit Construction Cost		F	* ; -				•		. ,	4.	,	•	•	8	46	46	85	-		,	ı		,		,	1			288	
	Š	Total C									,	,		•		84,631	28,067	25,527				,	,			,	•	ι				
		Length (m)		1					!		•	1	\ :	,		8	300	200	1,400		•	. 1			,	·	,		•		1,400	
		Size		1			,	,	•			,	,		,	3.0x3.0	\$2.5	\$2.2			•	2	,		,	,	,	•	,		-	
		Total	6,253	119	6,863		382	21,884	36,557		9,379	10,942	6.253	9,379	4,689	•		•	40,641		458	238	25,010	25,706	5.359	26,797	407	23,224	32,156	87,943	017,761	
	72	Construction Cost (10)	3,752	489	4,240		305	13,130	22,011		5,627	6,565	3,752	5,627	2,814	•	•	•	24,385		367	190	15,006	15,563	3,216	16,078	326	13,934	19,293	52,847	119,045	
		Construct F/C	2,501	122	2,623		16	8,754	14,546		3,752	4,377	2,501	3,752	1,876	,	1	'	16,257		92	48	10,004	10,143	2.144	10,719	81	682'6	12,862	35,096	78,665	
	6	108 208 208 208 208 208 208 208 208 208 2	8	8	62	-	80	8 8	8 8	1-	8	8	8	8	જ	1	,	•	8		80	80	8	19	8	8	08	8	8	ક્ર	09	1
	Open Charmel	Unit Construction Cost Total   F/C/%)   1./C/%)	40	8	38	- 2	8	<del>0</del> (	<del>2</del> <del>2</del>		40	40	9	40	9	,	,	,	40		8	20	40	33	ê ê	40	ଯ	40	40	0	<del>Q</del>	
	õ	Total Co	1579	8		-	8	1579	6)21		1579	1579	1579	1579	1579	,	1	,			8	8	1579	<del></del> -	1579	1579	8	1579	1579			
		A. C.	3,960	10,182			6.36	13,859	180,7		5,940	6,930	3,960	5,940	2,970	1	,	1			7,637	3,960	15,839		3.394	16,971	6,788	14,708	20,365			
		i. Yp	Brick	Sodding	, 2, -		Sodding	Brick	Y Y		Brick	Brick	Brick	Brick	Brick	1	,	,			Sodding	Sodding	Brick		Brick	Brick	Sodding	Brick	Brick	:		
	Congra	<u> </u>	\$	1,200	8			2,400	3,100		8	8	8	8	300	006	38	200	4,000		8	200	1,400	2,800	380	1500		1,300	1,800	5,700	17,200	
1	E C		KN-18	KN-19	Sub-Total	1		XX-21	~:1		KN-23	KN-24	S.S.	KN-26	KN-27	S-1	S-2	S-3	Sub-Total		KN-28-1	KN.28-2	KN-29	Sub-Total	KN-30-1	KN-30-2	KN-31-1	KN-31-2	KN-32	Sub-Total	Total	
	8			N3-1			- !	NB-2						NB-3								NB-4				-	NB-S		-			



# Tabr BQ 3.9:CONSTRUCTION COST OF KHAL IMPROVEMENT AND TRUNK DRAIN WORKS

Narayanganj West Zone (NB)

	١	Total	4,810	17,982	22.792	6.660	18.500	11.840	37,000		7,548	8,380	2.738	888	2,294			37 48		12,210	7,696	19.980	39,886	3.034	9,324	11,322	22,274	25,530	71,484		193,510	
	Cost (1000TK)	2	4,810	17,982	22,792	6.660	18.500	11.840	37,000		7,548	8,880	2,738	888	2,294	•	1 1	27.00	3	12,210	7,696	19,980	39,886	3.034							193,510	
	_ {	22	6	0	o		5 6		0		<u>ح</u>	9	0	8	<del>-</del>	L				0	6	~~	O	Ó			-6	0	0		ō	
Land Acqisition	00Tk)	Total F/C(%) [L/C (%)	100	8		001									8	,		1		100		8		5				92				
Į.	Unit Price (1000Tk)	F/C(%)	0	6		- 6		; ;	,		0	0	0	0	0		٠.	•		0	0	0	:									
	Unit	Total	7,400	7,400		7.400	30 F.	7.40	}		7,400	7,400	7,400	7,400	7,400	•		,		7,400	7,400	7.400		7.400	7.40	7.400	7.400	7.400	<u>:</u> 			
	Area	ĝ	0.65	2.43	3.08	S	2 6	9	2.00		1.02	1.20	0.37	0.12	0.31	•			3.0.5	1.65				170							26.15	
	X00TK)	Total	878	4,746	5,624	1 246	4,7	565	7,187		1,240	1,781	0	0	285	•	•		3.307	1.630	688	5.629	7,947	031.0			۔ نے۔			17,444	43,286	
	Construction Cost (1000TK)	왕	702	3,797	4,499	20	2,0,0	3,422	5,749		992	1,425	Ó	O	229		•	' ;	2,546	1 304	551	4 503	6,357	001.	1,720	2000	:			116,61	34,629	
	Construct	2	176	949	1,125	9	607	825	1,437		248	356	6	6	57	•		• ;	661	328	300	1 126	1,589	Ş	054	. t	3 9	20,1	2 844	2,044	8,657	
Dredging	Cost	(g)	8	8		5	\$ 6	<u> </u>	•		2	8	8	8	æ	•	1	,		Ş	8	8		S	3 8	3 8	3 6	8 8	8			
٥	Unit Construction Cost	F/C(%) L/C (%)	82	50			3 8	2 6	3	1	8	8	8	20	8		<u></u>	•	<u> </u>	ź	8	3 8	}	8	3 8	3 8	3 8	3 8	3			
	Unit Co	Total	159	159		5	2	5	уст		159	159	159	159	159	•	'	•		9	20	9		3	2	2 5	Ĉ.	7 5	2			
	Volume	(1000m2)	5.52	29 85	35.37		9.40	26.90	45.20		7.80	11.20	000	00.0	1.80	,	,	•	20.80	10.25	4 33	26.40	49.98		13.52	15.07	00.00	33.30	00.70	120.89	272.24	
	00TK)	Total	1,322	3,965	5,286	3	2,974	4.626	10,242		1,982	2,313	1.322	1.982	166	1	•	,	8,590	7,000	1,650	4001	9,251						7 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	18,833	52,203	
	Construction Cost (1000TK)	S	661	1,982	2,643		1,487	2,313	5,121		166	1,156	199	166	496	1	•	•	4,295	3 407	,04.4 ACS	2000	4,626		496		1,322			9,416	26,102	
	Construct	F/C	8	1,982	2,643		1,487	2,313	5,121		166	1,156	199	166	496	•	•	•	4,295	-	104,1	0,00	4,626		4 96	2,478	1,322	2,148	2,9/4	9,416	26,102	
Banking	ž	(%) (%)	Š	8	:		\$	ଞ୍ଚ :	ጸ		S	8	Ş	ક્ષ	જ	•	,	٠		5	3 5	3 (	7		Ş	ନ	8	Š,	R			
ď	Unit Construction Cost	F/C(%) [1/C (%)	8	જ		-	ଟି '	S, i	ጽ	-	-87	20	Ş	50	8	,	•	1		1	२ इ	2 6	?		8	8	S.	20	Š.			
	Unit Con	Total	- 8	118	<del></del>	-	118	118	80	+	118	318	118	118	118	•	,	•			0	0 0	×2	1	118	118	8	8	118			
***************************************	Volume [		11.20	33.60	44.80		25.20	39.20	22.40 86.80		16.80	19.60	11.20	16.80	8.40	•	,	'	72.80	3	3.6	3. 5	78.40		8.40	45.00	22.40	36.40	20.40	159.60	442.40	
Length	ــــــــــــــــــــــــــــــــــــــ	Ę	004	200	1,600	<u> </u>	8	1,400	3,100		9	9 2	8	89	300	8	300	200	4,000		<u>3</u>	3	2,800		 26 26	1,500	800	1,300	1,800	5,700	17.200	
Khai			K K K K K K K K K K K K K K K K K K K	KN-19	Sub-Total		KN-20	KN-21	KN-22 Sub-Total		KN.3	KN-2	KN-25	KN-26	KN-27	S-1	S-2	S-3	Sub-Total		1-27-V3	7-87-1	Sub-Total		KN-30-1	KN-30-2	KN-31-1	KN-31-2	XN-32	Sub-Total	Total	
Zone		,	<del></del>	夏				NB-2				:		NB-3								200					NB-5					

Table BQ 4.1: CONSTRUCTION COST OF SLAB BRIDGE

TYPE.A (L=3.00m,W=3.66m)

Item	Unit	U	nit Cost (Tk	()	Quantity	Constru	ction Cost (1	1000TK)
		Total	F/C(%)	L/C(%)		F/C	L/C	Total
I. Preparation of Work	LS	59,337	39	61	1.00	23	36	59
II. Direct Construction Cost				:	• 1			
1. Excavation	m3	159	20	80	1,126.00	36	143	179
2. Backfill	m3	118	50	50	930.00	55	-55	110
3. Concrete (1:3:5)	m3	3,777	60	.40	5.50	12	8	2:
4. Concrete (1:2:4)	m3	4,786	60	40	5.50	16	11	20
5. Reinforcement Bar	1	44,717	60	40	0.50	13	9	22
6. Form	m2	761	80	20	12.10	.7	2	(
7. Brick Work	m3	3,156	40	60	197.00	249	373	62:
8. Miscellaneous	เร	197,789	39	61	1.00	78	120	198
Subtotal		*************	39	61		466	721	1,18
Total			39	61		489	757	1,24
		,						(113,486Tk/m2

### TYPE.B (L=3.50m,W=3.66m)

Item	Unit	U	nit Cost (TK	(2)	Quantity	Constru	ction Cost (1	1000TK)
		Total	F/C(%)	L/C(%)		F/C	L/C	Total
I. Preparation of Work	LS	68,797	40	60	1.00	27	41	69
II. Direct Construction Cost							· .	!
1. Excavation	m3	159	20	80	1,250.00	40	159	199
2. Backfill	m3	118	50	50	1,022.75	60	60	121
3. Concrete (1:3:5)	m3	3,777	60	40	5.50	12	8	21
4. Concrete (1:2:4)	m3	4,786	60	40	8.28	. 24	16	40
5. Reinforcement Bar	t	44,717	60	40	0.75	20	13	33
6. Готп	m2	761	80	20	18.22	11	3	14
7. Brick Work	m3	3,156	40	60	228.00	288	432	720
8. Miscellaneous	LS	229,323	40	. 60	1.00	91	138	229
Subtotal			40	60		546	830	1,376
Total			40	60		574	871	1,445
	<u> </u>							(112,782Tk/m2)

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Table BQ 4.1: CONSTRUCTION COST OF SLAB BRIDGE

TYPE.C (L=4.00m,W=3.66m)

Item	Unit	U	nit Cost (Tr	()	Quantity	Constru	ction Cost (1	.000TK)
	handari dan venga ja	Total	F/C(%)	L/C(%)		F/C	L/C	Total
I. Preparation of Work	LS	78,257	40	. 60	1.00	31	47	78
II. Direct Construction Cost			·		[			ĺ
1. Excavation	m3	159	20	80	1,374.00	44	175	218
2. Backfill	m3	118	50	50	1,115.50	66	66	132
3. Concrete (1:3:5)	m3	3,777	60	40	5.50	12	8	21
4. Concrete (1:2:4)	m3	4,786	60	40	11.07	32	21	53
5. Reinforcement Bar	t	44,717	60	40	1.00	27	18	45
6. Form	m2	761	80	20	24,34	15	4	19
7. Brick Work	m3	3,156	40	60	259.00	327	490	817
8. Miscellaneous	LS	260,857	40	60	-1,00	104	156	261
Subtotal			40	60		627	938	1,565
Total			40	60		658	985	1,643
				- CONTRACT - CONTRACT				(112,254Tk/m2)

## TYPE.D (L=5.00m,W=3.66m)

Item	Unit	υ	nit Cost (TK	3)	Quantity	Construc	ction Cost (1	000TK)
		Total	F/C(%)	L/C(%)		F/C	L/C	Total
I. Preparation of Work	LS	97,178	41	59	1.00	39	58	97
II. Direct Construction Cost								
1. Excavation	m3	159	20	80	1,622.00	52	206	258
2. Backfill	m3	118	50	50	1,301.00	77	77	154
3. Concrete (1:3:5)	m3	3,777	60	40	5.50	12	8	- 21
4. Concrete (1:2:4)	m3	4,786	60	40	16.63	48	32	. 80
5. Reinforcement Bar	i	44,717	60	40	1.50	40	27	67
6. Form	m2	761	80	20	36.59	22	6	28
7. Brick Work	m3	3,156	40	60	321.00	405	608	1,013
8. Miscellaneous	LS	323,925	., 41	59	1.00	131	193	324
Subtotal			41	59		787	1,156	1,944
Total			41	59		827	1,214	2,041
								(111,515Tk/m2)

Table BQ 4.2: CONSTRUCTION COST OF GIRDER BRIDGE

TYPE.A (L=6.00m, W=3.66m)

Item	Unit	Un	it Cost (1	ľK)	Quantity	Constru	ction Co	st (1000TK)
		Total	F/C(%)	L/C(%)		F/C	L/C	Total
I. Preparation of Work	LS	83,446	40	60	1.00	33	50	83
II. Direct Construction Cost								
1. Excavation	- m3	159	20	80	1,536.00	49	195	244
2. Backfill	m3	118	50	50	1,260.00	74	74	149
3. Concrete (1:3:5)	m3	3,777	60	40	7.20	16	11	27
4. Concrete (1:2:4)	m3	4,786	60	40	9.50	27	18	45
5. Reinforcement Bar	t	44,717	60	40	0.86	23	15	38
6. Form	m2	761	80	20	20.90	13	3	16
7. Brick Work	m3	3,156	40	60	276.00	348	523	871
8. Miscellaneous	LS	278,152	40	60	1.00	110	168	278
Subtotal			40	60	***********************	661	1,008	1,669
Total			40	60		694	1,058	1,752
								(79,798Tk/m2)

### TYPE.B (L=7.00m,W=3.66m)

Item	Unit	Un	it Cost (	rk)	Quantity	Construct	ion Cost	(1000TK)
		Total	F/C(%)	L/C(%)		F/C	L/C	Total
I. Preparation of Work	LS	86,991	40	60	1.00	35	52	87
II. Direct Construction Cost					:			
1. Excavation	m3	159	20	80	1,564.50	50	199	249
2. Backfill	m3	118	50	50	1,282.00	76	76	151
3. Concrete (1:3:5)	m3	3,777	60	40	7.20	16	11	27
4. Concrete (1:2:4)	m3	4,786	60	40	12.50	36	. 24	60
5. Reinforcement Bar	t.	44,717	60	40	1.13	30	20	50
6. Form	m2	761	80	20	27.50	17	4	21
7. Brick Work	m3	3,156	40	60	282.50	357	535	892
8. Miscellaneous	LS	289,971	40	60	1.00	116	174	290
Subtotal		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	40	60		697	1,042	1,740
Total			40	60	······································	732	1,095	1,827
				<u> </u>		<u> </u>		(71,304Tk/m2)

Table BQ 4.2: CONSTRUCTION COST OF GIRDER BRIDGE

TYPE.C (L=8.00m,W=3.66m)

Item	Unit	Un	it Cost (T	ΓK)	Quantity	Construct	ion Cost	(1000TK)
		Total	F/C(%)	L/C(%)		F/C	L/C	Total
I. Preparation of Work	LS	90,537	41	59	1.00	37	54	91
II. Direct Construction Cost					•			
1. Excavation	m3	159	20	80	1,593.00	51	203	253
2. Backfill	m3	118	50	50	1,304.00	77	77	154
3. Concrete (1:3:5)	m3	3,777	60	40	7.20	16	11	27
4. Concrete (1:2:4)	m3	4,786	60	40	15.50	45	30	74
5. Reinforcement Bar	, t	44,717	60	40	1.40	37	25	62
6. Form	m2	761	80	20	34.10	21	5	26
7. Brick Work	m3	3,156	40	60	289.00	365	547	912
8. Miscellaneous	LS	301,790	41	59	1.00	122	180	302
Subtotal			41	59		734	1,077	1,811
Total			41	59	· · · · · · · · · · · · · · · · · · ·	770	1,131	1,901
								(64,934Tk/m2)

### TYPE.D (L=10.00m, W=3.66m)

Item	Unit	Un	it Cost (	ГК)	Quantity	Construct	ion Cost	(1000TK)
e de la companya de la companya de la companya de la companya de la companya de la companya de la companya de		Total	F/C(%)	L/C(%)		F/C	L/C	Total
I. Preparation of Work	LS	97,629	41	59	1.00	40	57	98
II. Direct Construction Cost								
1. Excavation	m3	159	20	80	1,650.00	52	210	262
2. Backfill	m3	118	50	50	1,348.00	. 80	80	159
3. Concrete (1:3:5)	m3	3,777	60	40	7.20	16	- 11	27
4. Concrete (1:2:4)	m3	4,786	. 60	40	21.50	62	41	103
5. Reinforcement Bar	t	44,717	60	40	1.94	52	35	87
6. Form	m2	761	80	20	47.30	29	7	36
7. Brick Work	m3	3,156	40	60	302.00	381	572	953
8. Miscellaneous	LS	325,428	41	59	1.00	134	191	325
Subtotal	************		41	59		806	1,146	1,953
Total			41	59		847	1,203	2,050
				<u>[</u>				(56,016Tk/m2)

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Table BQ 4.3: CONSTRUCTION COST OF CANTILEVER BRIDGE

TYPE.A (L=22.00m,W=3.66m)

(1991 Price)

Item	Unit	Ur	it Cost (T	K)	Quantity	Construct	ion Cost (	1000TK)
		Total	F/C(%)	L/C(%)		F/C	L/C	Total
I. Preparation of Work	LS	125,512	46	54	1.00	58	68	126
II. Direct Construction Cost					,		1	
1. Excavation	m3	159	20	80	1,754.00	56	223	279
2. Backfill	- m3	118	50	50	1,464.00	86	86	173
3. Concrete (1:3:5)	m3	3,777	60	40	9.57	22	14	36
4. Concrete (1:2:4)	m3	4,786		40	66.00	190	126	316
5. Reinforcement Bar	t.	44,717		40	5.94	159	106	266
6. Form	m2	761	80	20	145.20	88	22	110
7. Brick Work	m3	3,156	40	60	289.00	365	547	912
8. Miscellaneous	LS	418,372		1	-1.00	193	225	418
Subtotal			46	54		1,159	1,351	2,510
Tatal	<del> </del>		46	54		1,217	1,419	2,636
Total								(32,734Tk/m2)

TYPE.B (L=24.00m,W=3.66m)

Item	Unit	Unit Cost (TK)			Quantity	Construction Cost (1000TK)		
		Total	F/C(%)	L/C(%)		F/C	L/C	Total
I. Preparation of Work	LS	129,258	47	53	1.00	60	69	129
II. Direct Construction Cost								
1. Excavation	m3	159	20	80	1,757.00	56	223	279
2. Backfill	m3	118	50	50	1,456.00	86	86	172
3. Concrete (1:3:5)	m3	3,777	- 60	40	9.57	22	14	-36
4. Concrete (1:2:4)	m3	4,786	60	40	72.00	207	138	345
5. Reinforcement Bar	t	44,717	60	40	6.48	174	116	290
6. Form	m2	761	80	20	158.40	96	24	121
7. Brick Work	m3	3,156	40	. 60	289.00	365	547	912
8. Miscellaneous	LS	430,860		53	1.00	201	230	431
Subtotal			47	53		1,206	1,379	2,585
Total			47	53		1,267	1,448	2,714
								(30,902Tk/m2)

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Table BQ 4.3: CONSTRUCTION COST OF CANTILEVER BRIDGE

TYPE.C (L=26.00m,W=3.66m)

(1991 Price)

Item	Unit	Uı	ut Cost (T	K)	Quantity	Construc	tion Cost (	1000TK)
		Total	F/C(%)	L/C(%)		F/C	L/C	Total
I. Preparation of Work	LS	133,005	. 47	53	1.00	63	70	133
II. Direct Construction Cost								
1. Excavation	m3	159	20	- 80	1,760.00	56	224	280
2. Backfill	m3	118	50	50	1,448.00	85	85	171
3. Concrete (1:3:5)	m3	3,777	60	40	9.57	22	14	36
4. Concrete (1:2:4)	m3	4,786	60	40	78.00	224	149	373
5. Reinforcement Bar	t	44,717	60	40	7.02	188	126	314
6. Form	m2	761	80	20	171.60	104	26	131
7. Brick Work	m3	3,156	40	60	289.00	365	547	912
8. Miscellaneous	LS	443,349	47	53	1.00	209	234	443
Subtotal		***************************************	47	53	***************************************	1,254	1,406	2,660
Total	1		47	53		1,316	1,477	2,793
								(29,352Tk/m2)

### Table BQ 4.4: UNIT CONSTRUCTION COST OF RAILWAY BRIDGE

### A. BN-43,BN-54,BN-55 (L=3.50m,W=1.70m)

(1991 Price)

Itèm	Unit	Ū	nit Cost (TI	()	Quantity	Construc	tion Cost (	1000TK)
en en en en en en en en en en en en en e		Total	F/C(%)	L/C(%)	<b>(</b> ,	F/C	L/C	Total
I. Preparation of Work	LS	37,477	-47	53	1.00	17	20	37
II. Direct Construction Cost								
1. Excavation	m3	159	20	80	358.40	11	46	57
2. Backfill	m3	118	50	50	261.72	15	15	31
3. Levelling Concrete	m3	3,777	60	40	4.15	9	6	. 16
4. Brick Work	m3	3,156	40	60	96.67	122	183	305
5. Form	m2	614	80	20	6.70	3	1	4
6. Miscellaneous	LS	20,637	39	61	1.00	- 8	13	21
Subtotal			39	61		170	264	433
III. Temporary Work	LS	216,692	39	61	. 1.00	85	132	217
IV. Prefebricated Steel Structure								
Main Girder							,	
1. Girder	ŧ	26,000	100	0	3.22	84	0	84
2. Installation	LS	8,372	90	10	1.00	8	1	8
3. Miscellaneous	LS	7.367	55	45	1.00	4	- 3	-7
Subtotal	***************************************		96	4	.,,	95	4	99
Total			47	53		367	420	787
V. C.D.S.T.	LS		0	100	1.00	0	117	117

#### B. BN-30 (L=4.40m, W=1.70m)

(1991 Price)

Item	Unit	U	nit Cost (TI	()	Quantity	Construc	tion Cost (	1000TK)
		Total	F/C(%)	L/C(%)		F/C	L/C	Total
I. Preparation of Work	LS	42,113	47	53	1.00	20	22	42
II. Direct Construction Cost								
1. Excavation	m3	159	20	80	392.30	12	50	62
2 Backfill	m3	118	50	50	284.81	17	17	34
3. Levelling Concrete	m3	3,777	60	40	4.23	10	6	16
4. Brick Work	m3	3,156	40	60	107,49	136	204	339
5. Form	m2	614	80	20	6.75	3	1	4
6. Miscellaneous	LS	22,767	. 39	61	1.00	9	14	23
Subtotal			39	61		187	291	478
III. Temporary Work	LS	239,055	39	61	1.00	93	146	239
IV. Prefebricated Steel Structure	:							
1. Girder	' t.	26,000	100	0	4.05	105	0	105
2. Installation	LS	10,530	90	10	1.00	9	.1	11
3. Miscellaneous	LS	9,266	55	45	1.00	5	4	9
Subtotal	***************************************	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	96	4		120	5	125
Total			47	53		420	464	. 884
V. C.D.\$.T.	LS		0	100	1.00	. 0	147	147

Note: Preparation work (site clearing, site office motor pool, survey works, soil boring, safety control, etc.)

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#### Table BQ 4.4: UNIT CONSTRUCTION COST OF RAILWAY BRIDGE

### C. BN-53 (L=5.30m,W=1.70m)

(1991 Price)

Item	Unit	U	nit Cost (TI	<b>〈</b> )	Quantity	Construc	tion Cost (	1000TK)
		Total	F/C(%)	L/C(%)		F/C	L/C	Total
I. Preparation of Work	LS	46,744	48	52	1.00	23	24	47
II. Direct Construction Cost							i	
1. Excavation	m3	159	20	80	426.20	14	54	. 68
2. Backfill	m3	118	50	50	307.90	18	18	36
3. Levelling Concrete	m3	3,777	60	40	4.30	10	6	16
4. Brick Work	m3	3,156	40	60	118.30	149	224	373
5. Form	m2	614	80	20	6.80	3	. 1	. 4
6. Miscellaneous	LS	24,893	39	61	1.00	10	15	25
Subtotal	**************	***************************************	- 39	. 61		204	319	<b>52</b> 3
III. Temporary Work	LS	261,381	39	61	1.00	102	159	261
IV. Prefebricated Steel Structure					·			
Main Girder			4.					
1. Girder	t .	26,000	100	0	4.88	127	0	127
2. Installation	LS	12,688	90	10	1.00	11	1	13
3. Miscellaneous	LS	11,165	55	45	1.00	6	5	11
Subtotal	******************		96	4		144	6	151
Total			48	52		473	509	982
V. C.D.S.T.	LS		0	100	1.00	0	178	178

## D. BD-5 (L=9.40m,W=1.70m)

(1991 Price)

Item	Unit	U	nit Cost (Th	(2)	Quantity	Construc	tion Cost (	000TK)
		Total	F/C(%)	L/C(%)		F/C	L/C	Total
I. Preparation of Work	LS	69,227	50	50	1.00	34	35	69
II. Direct Construction Cost			.			. [		•
1. Excavation	m3	159	20	80	619.96	20	79	99
2. Backfill	m3	118	50	50	451.02	27	27	53
3. Levelling Concrete	m3	3,777	60	40	5.26	12	. 8	20
4. Brick Work	m3	3,156	40	60	168.94	213	320	533
5. Form	m2	614	80	20	7.48	4	1	5
6. Miscellaneous	LS	35,471	39	61	1.00	14	22	35
Subtotal			39	61		289	456	745
III. Temporary Work	LS	372,450	39	61	1.00	144	228	372
IV. Prefebricated Steel Structure						·		
Main Girder			ĺ					
1. Girder	t	26,000	100	0	8.65	225	0	225
2. Installation	LS	22,490	90	10	1.00	20	2	22
3. Miscellaneous	LS	19,791	55	45	1.00	11	9	20
Subtotal	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		96	4		256	11	267
Total			50	50		724	730	1,454
V. C.D.S.T.	LS		0	100	1.00	0	315	315

Note: Preparation work (site clearing, site office motor pool, survey works, soil boring, safety control, etc.)

Table BQ 4.4: UNIT CONSTRUCTION COST OF RAILWAY BRIDGE

### E. BN-19,BN-21 (L=26,20m,W=1.70m)

(1991 Price)

Item	Unit	U	nit Cost (TI	ζ)	Quantity	Construc	tion Cost (	1000TK)
i de la companya de la companya de la companya de la companya de la companya de la companya de la companya de		Total	F/C(%)	L/C(%)		F/C	L/C	Total
I. Preparation of Work	LS	120,091	57	43	1.00	68	52	120
II. Direct Construction Cost		. :				•		:-
1, Excavation	m3	159	20	80	760.79	24	97	121
2. Backfill	m3	118	50	50	537.76	32	32	63
3. Levelling Concrete	m3	3,777	60	40	8.46	19	13	32
4. Brick Work	m3	3,156	40	60	262.93	332	498	830
5. Form	m2	614	80	20	9.70	5	1	6
6. Miscellaneous	LS	52,607	39	61	1.00	21	32	53
Subtotal	:		39	61		432	672	1,105
III. Temporary Work	LS	552,372	39	61	1.00	216	336	552
IV. Prefebricated Steel Structure	•			. •	. 1			
Main Girder						·	.*	
1. Girder	, <b>t</b> ,	26,000	100	0	24.11	627	0	627
2. Installation	LS	62,686	90	10	1.00	56	6	63
3. Miscellaneous	LS	55,164	55	45	1.00	30	25	- 55
Subtotal			96	4		714	31	745
Total	······································		57	43		1,430	1,092	2,522
V. C.D.S.T.	LS		. 0	100	1.00	0	878	878

Note: Preparation work (site clearing, site office motor pool, survey works, soil boring, safety control, etc.)

Table BQ 4.5: CONSTRUCTION COST OF AQUEDUCT

## A. BN-9 (L=7.00m)

(1991 Price)

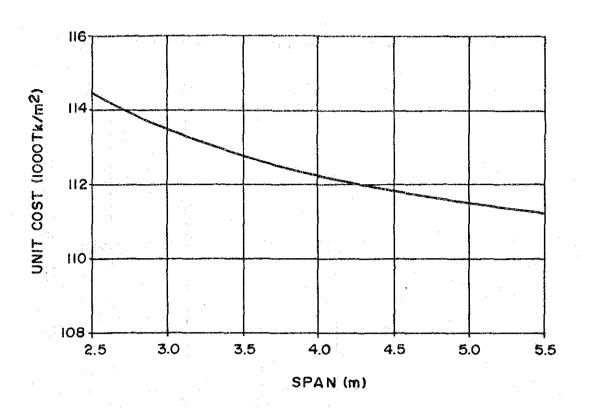
Item	Unit	Un	it Cost (	ГК)	Quantity	Construct	ion Cost (	1000TK)
		Total	F/C(%)	L/C(%)		F/C	L/C	Total
I. Preparation of Work	LS	78,041	38	62	1.00	30	48	78
II. Direct Construction Cost								
1. Excavation	m3	159	20	80	1,377.00	44	175	219
2. Backfill	m3	118	50	50	1,089.00	64	64	129
3. Concrete (1:3:5)	m3	3,777	60	40	5.90	13	9	22
4. Concrete (1:2:4)	m3	4,786	60	40	2.10	6	4	10
5. Reinforcement Bar	t	44,717	60	40	0.19	5	3	8
6. Form	m2	761	80	20	4.62	3	. 1	4
7. Brick Work	m3	3,156	40	60	288.00	364	545	909
8. Miscellaneous	LS	260,135	38	62	1.00	100	160	260
Subtotal	**************		38	62		599	962	1,561
Total			38	62		629	1,010	1,639

## B. BN-35 (L=15.00m)

(1991 Price)

							<u> </u>	
Item	Unit	Un	it Cost (	ľK)	Quantity	Construc	tion Cost (	1000TK)
À		Total	F/C(%)	L/C(%)		F/C	L/C	Total
I. Preparation of Work	LS	121,572	39	61	1.00	48	74	122
II. Direct Construction Cost						•		
1. Excavation	- m3	159	20	80	2,073.00	66	264	330
2. Backfill	m3	118	50	50	1,638.00	97	97	193
3. Concrete (1:3:5)	m3	3,777	60	40	9.00	20	14	34
4. Concrete (1:2:4)	m3	4,786	60	40	9.20	26	18	44
5. Reinforcement Bar	ŧ	44,717	60	40	0.83	22	15	37
6. Form	m2	761	80	20	20.24	12	3	15
7. Brick Work	m3	3,156	40	60	435.00	549	824	1,373
8. Miscellaneous	LS	405,241	39	61	1.00	159	247	405
Subtotal			39	61		952	1,480	2,431
Total	<del></del>		39	61		999	1,554	2,553





#### UNIT CONSTRUCTION COST OF GIRDER BRIDGE

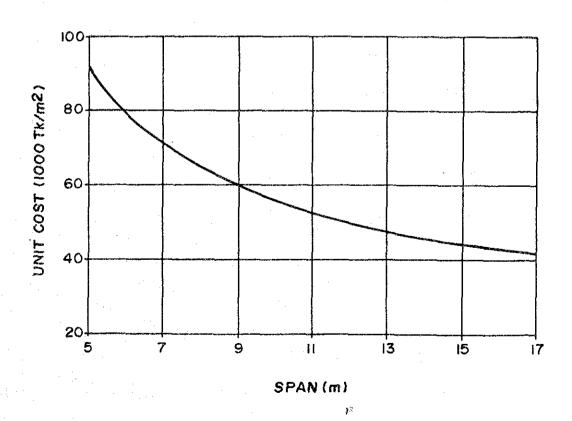


FIG. HD 6(1)

Unit Construction Cost of Bridge - Slab/Girder

GREATER DHAKA PROTECTION PROJECT (STUDY IN DHAKA METROPOLITAN AREA) OF BANGLADESH FLOOD ACTION PLAN NO.8A IN THE PEOPLE'S REPUBLIC OF BANGLADESH

# UNIT CONSTRUCTION COST OF CANTILEVER BRIDGE

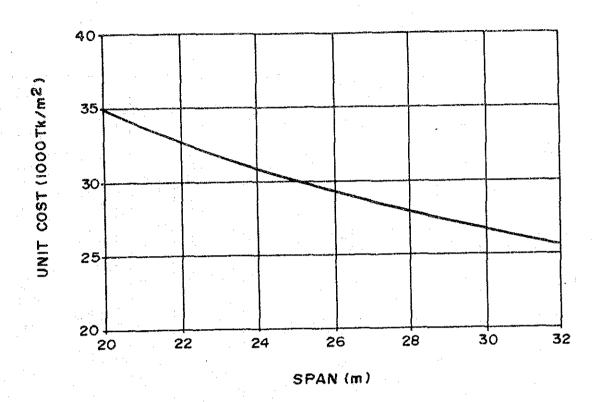


FIG. HD 6(2)

Unit Construction Cost of Bridge - Cantilever

GREATER DHAKA PROTECTION PROJECT (STUDY IN DHAKA METROPOLITAN AREA) OF BANGLADESH FLOOD ACTION PLAN NO.8A IN THE PEOPLE'S REPUBLIC OF BANGLADESH

Data HD 6: Proposed Disbursement Schedule

Table H 1 : Proposed Disbursement Schedule :DC-1

Continue   Fice LiC   %   %   %   %   %   %   %   %   %	Phase	Total Cost	F	FICE LY	ت															ģ
104 253 254 254 257 257 257 257 257 257 257 257	Project Area	F/C&	ပ္	1			93	.64	. 56	96.	.62		8	2,00				3	4	S
104	G Dhaka East			 	<u> </u>	ļ										••••	••••		;÷•••	
1.104     1.104     1.17     1.18	1.DC-1	******				•					:									
104   104   105	A.Project Preparation									,										
3.98       5.31     17     17     17       1.067     2.65     2.66     17       7.067     2.66     17     17       7.067     2.66     17     17       7.067     2.66     6     6     6       7.067     6.0     6.0     6     6     6       8.52     8.52     8.52     8.52     8.52     8.52       8.52     8.52     8.52     8.52     8.52     8.52       8.52     8.52     8.52     8.52     8.52     8.52       8.52     8.52     8.52     8.52     8.52     8.52       8.52     8.52     8.52     8.52     8.52     8.52       8.52     8.52     8.52     8.52     8.52     8.52       8.53     8.52     8.52     8.52     8.52     8.52       8.53     8.52     8.52     8.52     8.52     8.52       8.53     8.52     8.52     8.52     8.52     8.52       8.53     8.52     8.52     8.52     8.52     8.52       8.54     8.54     8.54     8.54     8.54     8.54     8.54       8.54     8.54     8.54     8.54     8.54 <td>1).Administration</td> <td></td> <td>104</td> <td></td> <td></td> <td></td> <td>•</td> <td></td> <td></td> <td></td> <td></td> <td>7</td> <td></td> <td></td> <td></td> <td>7.7</td> <td></td> <td>2</td> <td></td> <td></td>	1).Administration		104				•					7				7.7		2		
34     285     286     286     17     17       1,067     2340     17     17     17       2,340     2340     2340     14     41     41       2,340     632     885     885     885       1,673     14     14     14     14       1,673     14     14     14     14       1,673     14     14     14     14       1,673     14     18     18     18       1,673     14     18     18     18       1,673     14     18     18     18       1,673     15     130     130     130     130       1,674     169     169     10     0     0     0     0     0       1,674     1,181     1,181     1,181     1     1,181     1       1,675     1,221     1,121     1,181     1     1,181     1			398									<u>۲</u>		ז ע						
1,067     498     499     17     17     17       1,067     3885     3885     3885     3885     3885       2,030     6     6     6     6       1,067     6     6     6     6       1,073     7     18     18     18       1,073     852     652     652     632     632       1,073     10     10     10     10     10     10       1,073     10     10     10     10     10     10     10       1,073     10     10     10     10     10     10     11			34									- (		,						
2.2430     6.23     6.32	4) Land Aquisition		531				••••	••••				×		ö					c	
2.68       7.99     8.65       2.240     6       1.65     6       1.65     6       1.67     6       2.257     632       1.675     632       634     181       1.675     63       654     6       657     6       67     6       67     6       67     6       7.75     7       7.75     7       808     808       808     122       2.240     0       1.65     120       1.81     1181       1.181     1181       1.181     1181	Suo-Total: (x10% TK)	-	1,067	ļ		ļ						4		9		17	1/	D	5	
2.2440     6 <td< td=""><td>(F/C)</td><td></td><td>268</td><td></td><td></td><td></td><td>••••</td><td>••••</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	(F/C)		268				••••	••••												
2,340     6     6     6     6     6       1,65     6     6     6     6     6       1,673     6     6     6     6     6       1,673     6     6     6     6     6       1,673     6     6     6     6     6       1,673     7     93     93       1,673     7     93     93       1,673     8     6     6     6       1,673     8     6     6     6       1,673     9     9     9     9       1,673     9     9     9     9       1,673     9     9     9     130     130       1,673     1     1     1     1     1       1,674     1     1     1     1     1       1,675     1     1     1     1     1       1,674     1     1     1     1     1       1,675     1     1     1     1     1       1,675     1     1     1     1     1       1,675     1     1     1     1     1       1,774     1     1     1     1	(JC)	***************************************	799	ļ		ļ											_			
2330     382     383     383       1 63     6     6     6     632     632     632       1 63     632     632     632     632     632     632     632     632       1 63     852     852     852     852     852     852     852       2 80     80     80     80     80     80     80       2 80     80     80     130     130     130     130     130       2 80     80     80     130     130     130     130     130     130       2 80     80     80     122	B. Flood Witigation			ļ	ļ										ĺ			202		
2527       165       2527       852       852       853       854       634       634       634       634       634       637       636       77       852       853       853       854       855       857       868       809       800       800       800       800       800       800       800       800       800       800       800       800       800       800       800       800       800       800       800   <	1).Embankment		2,340	ļ.,	ļ									ñ		382	382	080		
165     41			22		ļ							•				ö	ö	4 (		
2,527       632 <td< td=""><td>3).Sluice Gate</td><td></td><td>165</td><td>ļ !</td><td>ļ</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>4</td><td>41</td><td>47</td><td></td><td></td></td<>	3).Sluice Gate		165	ļ !	ļ											4	41	47		
2.5271     6.52	4) Related Struc Etc		Ö	j	ļ			****											č	
1,675       1,675         852       1,81         634       1,81         634       6,6         657       6,6         657       280         238       130         340       130         808       130         808       122         2546       0         2546       0         2546       0         2546       0         2546       0         2546       0         2546       0         2546       0         2546       0	Sub-Total: (x10% TK)		2,527	ļ										•		250	250	25	5	
6.54       181	(F/C)		1,675																	
634     181     181       280     93     93       932     280     280       657     130     130       518     130     130       518     130     130       808     169     122       808     122     122       572     122     122       2,541     0     0     0     498     499     900     1,181     1,181     1	(T/C)		:				***													
634     131       280     280       657     280       275     130       518     130       808     169       808     122       349     499       400     122       540     122       540     122       541     122       542     122       543     122       544     122       64     122       75416     0       75416     0       75416     0       75416     0       75416     0       75416     0       75416     0       75418     1.181       1181     1.181	C.Storm Water Drainage									}						101	181	180	.,	
280 932 657 657 275 808 808 808 808 808 808 808 80	1).Pump Sta.		634													107	02	80		
17       932       657       657       10   <	2).Khal Improve.		280					7									2	, v		
932       657       775       130       349       808       808       389       150       151       152       152       153       154       155       156       157       157       158       158       158       151       151       151       151       151       151       151       151       151       151       151       151       151       151       151       151       151       151       151       152       152       152       152       153       154       2549	3).Bridge,Etc		17		٠							_				1080	280	270	٦	
5.57       130	2		932					7								207	200	7		
\$518     130     130     130     130       \$349     169     130     130     130     130       \$808     808     130     130     130     130     130       \$389     122     122     122     122     122     122       \$5,616     0     0     0     0     0     1,181     1	(F/C)		657													-	-			
518       349       808       389       772       5,616       0     0       2,249       9,547	(0/1)		275												30:	130	130	128	Ĭ	
518       349       808       389       6       772       5,616       0     0       0     0       2,549	D.Physical Contingency														; ?	2		}		
349       808       389       6       772       5,616       0     0       0     0       1,181	Sub-Total: (x10% TK)		518																	
808 389 572 572 572 5616 0 0 0 0 0 0 498 499 900 1,181 1,181 1.181	(P/C)		349																	
808       389       389       600       600       600       600       700 </td <td>(P/C)</td> <td></td> <td>169</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td> </td> <td>. .</td> <td></td> <td>-</td> <td> </td> <td></td> <td></td>	(P/C)		169										-		. .		-			
808       389       572       572       5616     0       0     0       2,949	E.Operation&Maintenance																		36	<u>.</u>
389       572       5746       0     0       0     0       2,949	1).O & M Work		808				!													
572     122     122     122       5,616     0     0     0     0     1,181     1,181       2,549     2,549	2).Repacement Cost		389											-				1	36	<u>.</u>
7C) 572 122 122 122 122 172 172 172 172 172 1	Sub-Total: (x10% TK)					!														
JC)         572         122 <td>(F/C)</td> <td></td> <td></td> <td></td> <td></td> <td><u>I</u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td><u>.</u></td>	(F/C)					<u>I</u>														<u>.</u>
TK)         572:         0         0         0         0         0         1,181 <th< td=""><td>(<u>[</u>(<u>(</u>[/C)</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td><td>122</td><td>122</td><td>122</td><td>123</td><td></td><td><u> </u></td></th<>	( <u>[</u> ( <u>(</u> [/C)										-				122	122	122	123		<u> </u>
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••			2,667			•			•••	•••							-			