2 BRIDGE AND CULVERT

Summary of Work Quantities for Bridge and Road, Package 1 (1/2)

No.				1		
			L			
141 1	BRIDGE AND ROAD					
4,1	Care of River					
	Coffering and care of water including dewatering	<u>L.S.</u>				
	Demolishing, hauling and disposing concrete structures	cu.m	313		.104	198
. / 03	Demolishing, hauling and disposing asphalt/masonry structures	cu.m	843	21	196	626
					ļ	
	Foundation and Substructure					
<u> 101</u>	Furnishing and driving test PC pile, 350 mm, A type, L= 10 m	nos.	1	0	0	1
	Furnishing and driving test PC pile, 350 mm, A type, L= 11 m	nos.	4	0	3	<u> </u>
	Furnishing and driving test PC pile, 350 mm, A type, L= 12 m	nos.	8	1	2	5
	Furnishing and driving test PC pile, 350 mm, A type, L= 13 m	nos,	7	0	0	7
	Furnishing and driving test PC pile, 350 mm, A type, L= 14 m	nos.	L	0	1	0
	Furnishing and driving test PC pile, 350 mm, A type, L=15 m	nos.	1	0	0	
	Furnishing and driving test PC pile, 350 mm, A type, L= 18 m	nos.	2	0	0	2
	Furnishing and driving test PC pile, 350 mm, B type, L= 18 m	nos.	2	0	0	2
	Furnishing PC pile, 350 mm, A type, L= 10 m Driving PC piles, for Item No. 4.2/09	nos. lin.m	50	0	0	50
	Furnishing PC pile, 350 mm, A type, L= 11 m	nos.	36	0	25	
	Driving PC piles, for Item No. 4.2/11	lin.m	306	0	216	90
	Furnishing PC pile, 350 mm, A type, L= 12 m	nos.	78	7	18	53
	Driving PC piles, for Item No. 4.2/13	lin.m	771	70	180	521
	Furnishing PC pile, 350 mm, A type, L= 13 m	nos.	45	0	0	45
	Driving PC piles, for Item No. 4.2/15	lin.m	488	0	0	488
	Furnishing PC pile, 350 mm, A type, L= 14 m	nos.	15	0	15	0
/ 18	Driving PC piles, for Item No. 4.2/17	lin.m	180	0	180	0
	Furnishing PC pile, 350 mm, A type, L= 15 m	nos.	7	0	0	7
/ 20	Driving PC piles, for Item No. 4.2/19	lin.m	85	0	. 0	85
/ 21	Furnishing PC pile, 350 mm, A type, L= 18 m	nos.	24	0	0	24
/ 22	Driving PC piles, for Item No. 4.2/21	lin.m	369	0	<u> </u>	369
	Furnishing PC pile, 350 mm, B type, L= 12 m	nos.	56	12	0	44
	Driving PC piles, for Item No. 4.2/23	lin.m	536	162	0	374
	Furnishing PC pile, 350 mm, B type, L= 13 m	nos.	26	0	0	26
	Driving PC piles, for Item No. 4.2/25	lin.m	247	0	0	247
/ 27	Furnishing PC pile, 350 mm, B type, L= 18 m Driving PC piles, for Item No. 4.2/27	nos.	58	0	0	<u>4</u> 58
	Furnishing PC pile, 400 mm, B type, L= 11 m	lin.m nos	8	0	8	0
	Driving PC piles, for Item No. 4.2/29	lin.m	60	0	60	0
	Furnishing PC pile, 400 mm, B type, L= 12 m	nos.	20	<u>ö</u>	20	0
	Driving PC piles, for Item No. 4.2/31	lin.m	170	0	170	ŏ
	Furnishing PC pile, 400 mm, B type, L= 14 m	nos.	24	0	24	Ŏ
	Driving PC piles, for Item No. 4.2/33	lin.m	252	0	252	<u>_</u>
/ 35	Concrete, type 2, for bridge slab, pier and abutment	cu m	564	25	168	371
1 36	Concrete, type 5, for leveling, t = 10 cm.	cu.m	31	1	8	- 22
/ 37	Form, type F1, for Item Nos. 4.2/35 and 4.2/36	sq.m	1,201	52	332	817
/ 38	Reinforcing bars, for Item No. 4.2/35	kg	54,812	2,661	17,210	34,941
	Superstructure				<u>_</u>	
	Furnish and erection of PC girder, H=400mm, L=7.3m, BM-70	pc.	64	0	0	64
	Furnish and erection of PC girgder,H=450mm, L=8.4m, BM-70	pc	120	0	0	120
	Furnish and erection of PC girgder, H=450mm, L=10.5m, BM-70	pc	18	0	18	0
	Furnish and erection of PC girgder, H=450mm, L=11.9m, 8M-70	pc	72	0	0	72
	Furnish and erection of PC girgder, H=500mm, L=13.35m, BM-70	pc.	36	0	36	0
	Furnish and erection of PC girgder, II=500mm, L=14.15m, BM-70	pc.	48	0	48	0
	Furnish and erection of PC girgder, H=550mm, L=14.9m, 8M-70	pc.	18	18	18	0
	Furnish and erection of PC girgder, H=500mm, L=12.9m, BM-100	pc.	18	0		0
	Furnish and erection of PC girgder, H=350mm, L=7.3m, Pedestrian Furnish and erection of PC girgder, H=350mm, L=8.4m, Pedestrian	pc.	<u>12</u>	0	0	12
	Furnish and erection of PC giggder, H=450mm, L=13.1m, Pedestrian	pc. pc.	9	0	0	<u>6</u>
1 / 11 /	PC tendon and ancillary materials	lin.m	5,235	347	2,180	2,703
/ 12	Concrete, type 2, for lateral girder, side wall and in-situ slab	cu.m	539 L	331	. 189 L	317
/ 12 / 13	Concrete, type 2, for lateral girder, side wall and in-situ slab	cu.m	539 73	33	189	317
/ 12 / 13 / 14	Concrete, type 2, for lateral girder, side wall and in-situ slab Concrete, type 4, for side walk Form, type F1, for Item Nos. 4.3/13 and 4.3/14	cu.m cu.m			189 41 889	317 32 1,722

Summary of Work Quantities for Bridge and Road, Package 1 (2/2)

Item	Description	Unit	Total	Stage 1	Stage 2	Stage 3
No.						
/ 17	Curb stone	lin.m	332	0	188	144
/ 18	Rubber bearing pad, t=33mm, W=150mm	lin.m	628.7	27.4	192.3	409.0
/ 19	Non-shrink mortar with grid bars, for shoe base	lit.	7,860.0	330.0	2,290.0	5,240.0
/ 20	Anchoring in fixed bearing shoe	nos.	359	15	110	234
	Anchoring in movable bearing shoe	nos.	359	15	110	234
	Guard pipe for Road bridge, H=0.4m	lin.m	931.1	81.0	258.9	591.2
	Guard pipe for pedestrian bridge, H=1.0m	lin.m	310.7	0.0	218.7	92.0
124	Drain pipe (D=100mm, L=84cm) with cap (300x150mm)	nos.	60	0	36	24
1 25	Drain pipe, D=75mm, L=70cm	nos.	124	12	0	112
/ 26	Drain pipe, D=75mm, L=40cm	nos.	36	0	24	12
/ 27	Expansion joint, for road bridge	tin.m	419.7	18.4	104.8	296.5
/ 28	Expansion joint, for pedestrian and in-situ slab bridges	tin.m.	52.5	0.0	30.0	22.5
/ 29	Asphalt pavement	cu.m	225	13	85	127
4.4	Approach Road					
/ 01	Removal of existing asphalt/base pavement	sq.m	15,745	717	3,591	11,437
/ 02	Excavation	cu.m	3,025	48	394	2,583
7 03	Back filling	cu.m	2,254	44	352	1,858
/ 04	Wet rubble/cobble masonry for slope protection	cu.m	104	104	0	0
/ 05	Concrete, type 3, for approach step	cu.m	52	0	21	3 i
7 06	Concrete, type 4, for side wall	cu.m	2,742	43	378	2,321
/ 07	Concrete, type 5, for foundation concrete	cu.m	1,006	15	120	871
/ 08	Form, type F1, for Item Nos. 4.4'05 and 4.4'06	sg.m	14,454	219	2,096	12,139
/ 09	Form, type F2, for Item Nos. 4.4'05 to 4.4'07	sq.rn	2,531	. 30	249	2,252
/ 10	Reinforcing bars, for Item Nos. 4.4'05 and 4.4'06	kg	5,720	0	2,880	2,840
	Precast concrete drain block, type 5a	nos.	3,697	357	1,070	2,270
	Precast concrete side ditch, 300 x 300 mm	lin.m	6,989	214	903	5,872
	Embankment and sub-grade	cu.m	5,012	126	851	4,035
	Sub-base course	cv.m	2,709	109	613	1,987
/ 15	Base course	cu.m	2,035	82	461	1,492
	Asphalt pavement	çu.m	685	28	155	502
/ 17	Guardrail, concrete post	lin.m	158	:0	- 60	98



Summary of Work Quantities for Bridge and Road, Package 2 (1/2)

/ 02	Description	l Unit l		Tanionasa 1	PIK
4 4.1 / 01 / 02		````	Total	Tanjungan	LIN
/ 01 / 02	DOLDON AND DOAD	 			
/ 01 / 02	BRIDGE AND ROAD	 			
/ 02	Care of River		·—		
	Coffering and care of water including dewatering	L.S.			
100	Demolishing, hauling and disposing concrete structures	_cu.m	78	77	1
/ 03	Demolishing, hauling and disposing asphalt/masonry structures	çü.m	270	243	22
		il			<u> </u>
4.2	Foundation and Substructure				· · ·
7.01	Furnishing and driving test PC pile, 350 mm, A type, L= 11 m	nos.	1	1	0
/ 02	Furnishing and driving test PC pile, 350 mm, A type, L= 12 m	nos.	1	L	0
/ 03.	Furnishing and driving test PC pile, 350 mm, A type, L= 13 m	nos.	1	1	: 0
/ 04	Furnishing and driving test PC pile, 350 mm, A type, L= 17 m	nos.		<u> 1</u>	0
/ 05	Furnishing PC pile, 350 mm, A type, L= 11 m	_nos	9	9	C
7 06	Driving PC piles, for Item No. 4.2/05	lin.m	86	86	0
7 07.	Furnishing PC pile, 350 mm, A type, L= 12 m	nos.	9	9	0
7.08	Driving PC piles, for Item No. 4.2/07	lin.m	90	90	0
7 09	Furnishing PC pile, 350 mm, A type, L= 13 m	nos.	15	15	0
/ 10	Driving PC piles, for Item No. 4.2/09	lin.m	176	176	0
/ 11	Furnishing PC pile, 350 mm, A type, L= 17 m	nos.	11	11	0
/ 12	Driving PC piles, for Item No. 4.2/11	lin.m	165	. 165	O
/ 13	Furnishing PC pile, 350 mm, B type, L=11 m	nos	8	. 8	0
/ 14	Driving PC piles, for Item No. 4.2/13	lin.m	60	60	0
/ 15	Furnishing PC pile, 350 mm, B type, L= 12 m	nos.	: 8	8	0
/ 16	Driving PC piles, for Item No. 4.2/15	lin.m	68	68	0
/ 17	Furnishing PC pile, 350 mm, B type, L= 13 m	nos.	8	8	0
/ 18	Driving PC piles, for Item No. 4.2/17	lin.m_	76	76	0
/ 19	Furnishing PC pile, 350 mm, B type, L= 17 m	nos.	12	12	
/ 20	Driving PC piles, for Item No. 4.2/19	lin.m	162	162 156	75
/ 21	Concrete, type 2, for bridge slab, pier and abutment	cu.m	231	130	73
1 22	Concrete, type 5, for leveling, t = 10 cm.	cu.m	16 631	319	312
/ 23	Form, type F1, for Item Nos. 4.2/21 and 4.2/22	sq.m	21,284	14,574	6,710
/ 24	Reinforcing bars, for Item No. 4.2/21	kg	21,204	14,314	0,710
ļ	0				
4.3	Superstructure		64	64	0
/ 03	Furnish and erection of PC girgder, H=450mm, L=9.6m, BM-70	<u> </u>	24	24	0
111	Furnish and erection of PC girgder, H=550mm, L=14.1m, BM-70 Furnish and erection of PC girgder, H=500mm, L=12.9m, BM-100	<u>pc.</u>	28	28	
117	Concrete, type 2, for lateral girder, side wall and in-situ slab	cu.m	1,574	1,561	13
$\frac{130}{131}$	Concrete, type 4, for side walk	cu.m	139	139	0
/ 32	Form, type F1, for Item Nos. 4.3/30 and 4.3/31	sq.m	86	0	86
/ 33	Reinforcing bars, for Item Nos. 4.3/30 and 4.3/31	kg	1,918	596	1,322
/ 34	Curb stone	lin.m	3,618	3,618	(
/ 36	Non-shrink mortar with grid bars, for shoe base	lit.	172.3	172.3	0.0
137	Anchoring in fixed bearing shoe	nos.	1,940	1,940	(
/ 38		nos.	107	107	(
/ 39		nos.	107	107	(
7 41	Guard pipe for Road bridge, H=0.4m	lin.m	12,4	0.0	12.4
/ 42	Guard pipe for pedestrian bridge, H=1.0m	lin.m	205.4	205.4	0.0
/ 45	Drain pipe, D=75mm, L=40cm	nos.	36	36	
/ 47	Expansion joint, for pedestrian and in-situ slab bridges	lin.m	147.1	134.7	12.4
/ 48		CU.M	86	82	
	Approach Cushion Slab				
4.4	Concrete, type 4, for slab	CU.M	19	19	(
4.4		sq.m	64	64	(
	Form, type F1, for hem tvo. 4.4 O				
4.4	<u> </u>	kg	2,165	2,165	
4.4 / 01 / 02			2,165	2,165	
4.4 / 01 / 02 / 03	Reinforcing bars, for Item No. 4.4/01		2,165		
4.4 / 01 / 02	Reinforcing bars, for Item No. 4.4/01 Approach Road		2,165	2,165 4,661	(
4.4 / 01 / 02 / 03 4.5	Reinforcing bars, for Item No. 4.4/01 Approach Road Removal of existing concrete pavement	kg	<u> </u>	4,661 1,075	(
4.4 / 01 / 02 / 03 4.5 / 01	Reinforcing bars, for Item No. 4.4/01 Approach Road Removal of existing concrete pavement Removal of existing asphalt/base pavement	kg sq.m	4,661 1,075 425	4,661 1,075 425	(
4.4 / 01 / 02 / 03 4.5 / 01 / 02 / 03	Reinforcing bars, for Item No. 4.4/01 Approach Road Removal of existing concrete pavement Removal of existing asphalt/base pavement	sq.m	4,661 1,075	4,661 1,075	

Summary of Work Quantities for Bridge and Road, Package 2 (2/2)

Item	: Description	Unit	Total	Tanjungan	PIK
No.					
/ 06	Concrete, type 4, for side wall	cu.m	465	465	0
/ 07	Concrete, type 5, for foundation concrete	ต.เก	147	147	0
/ 08	Form, type F1, for Item No. 4.5/06	sq.m	1,894	1,894	0
/ 09	Form, type F2, for Item Nos. 4.5/06 to 4.5/07	şq.m	277	277	0
/ 10	Precast concrete drain block, type 5a	nos.	1,440	1,440	0
	Precast concrete side ditch, 300 x 300 mm	lio.m	864	864	0
/ 12	Embankment and sub-grade	çu.m	2,732	2,732	0
/ 13	Sub-base course	cu.m	925	925	0
/ 14	Base course	çu.m	695	695	. 0
/ 15	Asphalt pavement	cu.m	234	234	0





Summary of Work Quantities for Bridge and Road, Package 3 (1/2)

Item	Description	Unit	Total	Gede/Bor	S.Cengk	Meruya
No.	•			:	Ĭ	
	BRIDGE AND ROAD			\		
4.1	Care of River					
	Coffering and care of water including dewatering	L.S.				
	Demolishing, hauling and disposing concrete structures	cu.m	231	42	189	0
	Demolishing, hauling and disposing asphalt/masonry structures	cu.m	1,059	387	672	0
	Demolishing, having and disposing steel members	ton	10.7	4.0	6.7	0.0
704	Demotishing, hadding and disposing sect memoers		10.7	4.0		0.0
4.2	Foundation and Substructure				, .	
/ 01	Furnishing and driving test PC pile, 350 mm, A type, L=7 m	nos.	2	0	2	0
7.02	Furnishing and driving test PC pile, 350 mm, A type, L=8 m	nos.	- 4	0	4	0
/ 03	Furnishing and driving test PC pile, 350 mm, A type, L=9 m	nos.	5	1	4	0
/ 04	Furnishing and driving test PC pile, 350 mm, A type, L= 10 m	nos.	6	4	. 2	0
/ 05	Furnishing and driving test PC pile, 350 mm, A type, L= 11 m	nos.	. 6	5	1	0
/ 06	Furnishing PC pile, 350 mm, A type, L=7 m	nos.	22	0	22	0
/ 07	Driving PC piles, for Item No. 4.2/06	lin.m	115	0	115	0
/ 08	Furnishing PC pile, 350 mm, A type, L=8 m	nos.	12	0	12	0
	Driving PC piles, for Item No. 4.2/08	lin.m	113	: 0	113	0
	Furnishing PC pile, 350 mm, A type, L= 9 m	nos.	43	3	40	0
	Driving PC piles, for Item No. 4.2/10	lin.m	294	21	273	0
	Furnishing PC pile, 350 mm, A type, L= 10 m	nos.	70	44	26	0
	Driving PC piles, for Item No. 4.2/12	tin.m_	560	352	203	0
/ 14	Furnishing PC pile, 350 mm, A type, L= 11 m	nos.	54	43	11	0
/ 15	Driving PC piles, for Item No. 4.2/14	lin.m	486	387	99	0
	Concrete, type 2, for bridge slab, pier and abutment	cv.m	854	182	239	433
/ 17	Concrete, type 5, for leveling, t = 10 cm.	çu.m	71	. 15	23	33
/ 18	Form, type F1, for Item Nos. 4.2/16 and 4.2/17	sq.m	2,621	443	580	1,598
/ 19	Reinforcing bars, for Item No. 4.2/16	kg	76,987	17,692	24,544	34,751
4.3	Superstructure			l	- 13	
/ 01	Furnish and erection of PC girgder, H=450mm, L=10.5m, BM-70	pc.	12	0	12 10	0
/ 02	Furnish and erection of PC girgder, H=450mm, L=11.3m, BM-70	pc	8	0	8	0
/ 03		pc,	8	0	8	<u>0</u>
/ 04		pc.	100	66	34	0
/ 05		pc.	4	4	0	0
/ 06		pc.	32		32	0
/ 07	Furnish and erection of PC girgder, H=550mm, L=13.5m, BM-100	pc.	9	0	9	0
/ 08		<u>pc.</u>	. 6	- 2	3	. 0
/ 09		pc. lin.m	2,799	1,393	1,406	0
7.10	PC tendon and ancillary materials		439	188	211	40
- / 11	Concrete, type 2, for lateral girder, side wall and in-situ slab Concrete, type 4, for side walk	cu.m	26	14	12	0
	Form, type F1, for Item Nos. 4.3/11 and 4.3/12	sq.m	1,991	818	880	293
113	Reinforcing bars, for Item Nos. 4.3/11 and 4.3/12	- kg	17,784	5,257	5,792	6,735
	Curb stone	lin.m	96.0	64.0	32.0	0.0
	Rubber bearing pad, t=33mm, W=150mm	lin.m	191.4	109.4	82.0	0.0
/ 10	Non-shrink mortar with grid bars, for shoe base	lit.	2,860	1,080	1,780	0
/ 18		nos	158	63	95	0
/ 19		nos.	158	63	95	0
/ 19		lin.m	545.6	284.4	255.6	5.6
/ 21		lin.m	145.8	31.6	114.2	0.0
	Drain pipe (D=100mm, L=84cm) with cap (300x150mm)	nos.	12	8	4	0
	Drain pipe, D=75mm, L=70cm	nos.	60	28	32	0
1 24		nos.	20		16	0
1 25	· · · · · · · · · · · · · · · · · · ·	lin.m	285.4	123.0	162.4	0.0
1 26		lin.m	25.0	5.0	20.0	0.0
1 27		ÇU.M	168	63	93	12
1 - ' - '	Paramis pursuism					
		l		1		I
4.4	IApproach Cushion Slab		t	I	.i	1
4.4	Approach Cushion Slab Concrete, type 4, for slab	cu.m	44	0	44	0

Summary of Work Quantities for Bridge and Road, Package 3 (2/2)

Item	Description Unit		Total	Gede/Bor	S.Cengk	Meniya
No.						
/ 03	Reinforcing bars, for Item No. 4.4'01	kg	5,280		5,280	0
4.5	Approach Road					
/ 01	Removal of existing concrete pavement	sq.m	9,597	2,956	6,641	0
/ 02	Removal of existing asphalt/base pavement	\$q.m	8,675	5,669	3,006	0
	Excavation	cu.m	2,668	1,452	1,216	0
/ 04	Back filling	cù.m	1,996	1,029	967	0
/ 05	Wet rubble/cobble masonry for slope protection	cu.m	1,233	0	1,233	0
/ 06	Concrete, type 3, for approach step	cu.m	10	0	10	0
	Concrete, type 4, for side wall	çu.m	2,485	1,592	893	0
	Concrete, type 5, for foundation concrete	cu.m	831	450	381	0
/ 09	Form, type F1, for Item Nos. 4.5/06 and 4.5/07	sq.m	10,884	5,604	5,280	0
/ 10	Form, type F2, for Item Nos. 4.5/06 to 4.5/08	sq.m	1,597	828	769	0
/ 11	Reinforcing bars, for Item Nos. 4.5/06 and 4.5/07	kg	5,440	1,000	4,440	0
	Precast concrete drain block, type 5a	nos.	4,530	0	4,530	0
	Precast concrete side ditch, 300 x 300 mm	lin.m	5,296	2,578	2,718]0
	Embankment and sub-grade	co.m	7,480	4,071	3,409	0
	Sub-base course	cu.m	2,843	1,369	1,474	0
	Base course	cu.m	2,135	1,028	1,107	0
	Asphalt pavement	¢u.m	718	345	373	0
	Guardrail, concrete post	lin.m	173	32	141	0

QUANTITY ESTIMATE

PAY ITEM 4.1/02

DEMOLISHING, HAULING AND DISPOSING SUPERSTRUCTURE (CONCRETE)

LOCATION		QUANTITY(m3)	REMARKS
1. KAMAL DRAINAGE	STAGE- I	11	KM2
CHANNEL	STAGE-II	104	KM11-1,KM15,KM17-2,KM19,KM20,KM21-2
	STAGE-III	117	KM22-3,KM22-4,KM23-2
2. KAMAL BRANCH		81	KE1-1,KE2,KE3-2,KE4,KE5,KE6,KE7,KE9,
DRAINAGE CHANNE	L		KE10-1,KE12,KE14,KE15-1,KE15-2,KE16,
			KE17-1,KE18,KE19,KE20-1,KE22
3. TANJUNGAN DRAIN	AGE	77	TM1,TM3-4,TM5,TM6
CHANNEL	* * * *		
4. NEW DRAINAGE CHA	ANNEL	1	NM11
5. SALURAN CHENGKA	RENG	189	CM3,CM6,CM7,CM9,CM11,CM13,CM15,CM16,
DRAINAGE CHANNE	L		CM17-1,CM18-4,CM19-1,CM20,CM22
6. GEDE/BOR DRAINAC	E		GM1-2,GM1-4,GM5,GM6,GM7,GM8-1,GM9,
CHANNEL	· · · · · · · · · · · · · · · · · · ·		GM10-2,GM11-2,GM13-1,GA2,GA3-1
TOTAL		622	

PAY ITEM 4.1/03

DEMOLISHING, HAULING AND DISPOSING SUBSTRUCTURE (CONCRETE / MASONRY)

LOCATION		QUANTITY(m3)	REMARKS
1. KAMAL DRAINAGE	STAGE- I	21	KM2
CHANNEL	STAGE-II	196	KM11-1,KM15,KM17-2,KM19,KM20,KM21-2
	STAGE-III	158	KM22-3,KM22-4,KM23-2
2. KAMAL BRANCH		468	KE1-1,KE2,KE3-2,KE4,KE5,KE6,KE7,KE9,
DRAINAGE CHANNE	L	E-	KE10-1,KE12,KE14,KE15-1,KE15-2,KE16,
			KE17-1,KE18,KE19,KE20-1,KE22
3. TANJUNGAN DRAIN	AGE	248	TM1,TM3-4,TM5,TM6
CHANNEL			
4. NEW DRAINAGE CH	ANNEL	22	NM11
5. SALURAN CHENGKA	ARENG	672	CM3,CM6,CM7,CM9,CM11,CM13,CM15,CM16,
DRAINAGE CHANNE	L		CM17-1,CM18-4,CM19-1,CM20,CM22
6. GEDE/BOR DRAINAC	BE		GM1-2,GM1-4,GM5,GM6,GM7,GM8-1,GM9,
CHANNEL		<u></u>	GM10-2,GM11-2,GM13-1,GA2,GA3-1
TOTAL		2172	

PAY ITEM 4.1/04

REMOVAL OF STRUCTURAL STEEL MEMBERS

-	LOCATION	QUANTITY(i)	REMARKS		
Ī	5. SALURAN CHENGKARENG DRA	6.7	CM3,CM15,CM16	 	
ľ	6. GEDF/BÖR DRAINAGE CHANNE	4.0	GM1-2		
Ī	TOTAL	10.7		 	



PAY ITEM 4.1/02

DEMOLISHING, HAULING AND DISPOSING SUPERSTRUCTURE (CONCRETE)

1-1. KAMAL DRAINAGE CHANNEL (STAGE- I)

NO	L(m)	W(m)	T(m)	VOLUME(m3)	
KM 2	11.75	2.63		11	RC BEAM
TOTAL				11	

1-2. KAMAL DRAINAGE CHANNEL (STAGE-II)

NO	L(m)	W(m)	T(m)	VOLUME(m3)	
KM 11-1	13.70	7.40		33	RC BEAM
KM 15	5.93	2.69	0.37	6	SLAB
KM 17-2	13.90	7.95		40	RC BEAM
KM 19	10.35	1.96	0.65	13	SLAB
KM 20	7.07	1.94	0.45	6	SLAB
KM 21-2	5.70	3.15	0.36	6	SLAB
TOTAL				104	

1-3. KAMAL DRAINAGE CHANNEL (STAGE-III)

NO	L(m)	W(m)	T(m)	VOLUME(m3)	
KM 22-3	16.60	2.31		19	RC BEAM
KM 22-4	16.70	8.93		57	RC BEAM
KM 23-2	13.70	8.98		41	RC BEAM
TOTAL				117	



2. KAMAL BRANCH DRAINAGE CHANNEL

NO	L(m)	W(m)	T(m)	VOLUME(m3)	
KE 1-1	6.70	2.60	0.42	7	SLAB
KE2	6.80	3.80		6	RC BEAM
KE 3-2	5.60	5.75	0.35	11	SLAB
KE4	5.10	5.10	0.33	9	SLAB
KE5	4.80	5.05	0.28	7	SLAB
KE 6	4.30	3.20	0.20	3	SLAB
KE7	3.10	5.00	0.20	3	SLAB
KE9	3.50	1.27	0.22	1	SLAB
KE 10-1	3.05	4.45	0.35	5	SLAB
KE 12	3.00	5.50	0.25	4	SLAB
KE 14	2.45	3.00	0.30	2	SLAB
KE 15-1	2.70	7.50	0.35	7	SLAB
KE 15-2	2.70	7.40	0.37	7	SLAB
KE 16	1.90	2.60	0.15	1	SLAB
KE 17-1	1.70	2.90	0.13	1	SLAB
KE 18	1.40	1.45	0.10	1	SLAB
KE 19	1.25	1.65	0.13	1	SLAB
KE 20-1	1.08	4.50	0.70	3	SLAB
KE 22	1.90	4.60	0.12	1	SLAB
KE 24-1	1.69	3.74	0.11	1	SLAB
TOTAL				81	

3. TANJUNGAN DRAINAGE CHANNEL

NO	L(m)	W(m)	T(m)	VOLUME(m3)	
TM 1	4.88	5.63	0.31	9	SLAB
TM 3-4	9.90	8.50	0.62	52	SLAB
TM 5	2.00	12.70	0.20	5	SLAB
TM 6	3.00	11.80	0.30	11	SLAB
TOTAL				.77	

4. NEW DRAINAGE CHANNEL

NO	L(m)	W(m)	T(m)	VOLUME(m3)	
NM 11	1.70	4.00	0.15	1	SLAB
TOTAL				1	

5 SALURAN CHENCKARENG DRAINAGE CHANNEL

NO	L(m)	W(m)	T(m)	VOLUME(m3)	
CM 3	3.55	8.70	0.20	6	STEEL
CM 6	9.60	4.15		17	RC BEAM
CM 7	9.80	1.00	0.60	6	SLAB
CM 9	11.30	6.20		22	RC BEAM
CM 11	11.20	6.25		22	RC BEAM
CM 13	8.50	2.20	0.18	3	SLAB
CM 15	8.40	1.50		0	STEEL
CM 16	8.35	1.50		. 0	STEEL
CM 17-1	5.60	6.40		8	RC BEAM
CM 18-4	5.58	14.50		17	RC BEAM
CM 19-1	9.70	17.00		48	RC BEAM
CM 20	8.90	7.10		17	RC BEAM
CM 22	9.40	9.10		23	RC BEAM
TOTAL				189	

6. GEDE/BOR DRAINAGE CHANNEL

NO	L(m)	W(m)	T(m)	VOLUME(m3)	
GM 1-2	2.90	7.50	0.17	4	STEEL
GM 1-4	2.90	7.50	0.47	10	SLAB
GM 5	4.25	1.35	0.27	2	SLAB
GM 6	2.20	5.10	0.14	2	SLAB
GM 7	4.00	3.95		3	RC BEAM
GM 8-1	3.90	3.10	0.24	3	SLAB
GM 9	2.70	4.90	0.17	2	SLAB
GM 10-2	4.60	6.40		6	RC BEAM
GM 11-2	4.60	6.24		6	RC BEAM
GM 13-1	3.10	3.45	0.20	2	SLAB
GA 2	0.85	4.10	0.26	1	SLAB
GA 3-1	0.85	4.20	0.26	1	SLAB
TOTAL			~~~	42	

PAY ITEM 4.1/03

DEMOLISHING, HAULING AND DISPOSING SUBSTRUCTURE (CONCRETE/MASONRY)

1-1. KAMAL DRAINAGE CHANNEL (STAGE- I)

NO	W(m)	VOLUME(m3)	
KM 2	2.63	21	
TOTAL		21	

1-2. KAMAL DRAINAGE CHANNEL (STAGE-II)

NO	W(m)	VOLUME(m3)	
KM 11-1	7.40	58	
KM 15	2.69	21	
KM 17-2	7.95	62	
KM 19	1.96	15	
KM 20	1.94	15	
KM 21-2	3.15	25	
TOTAL		196	

1-3. KAMAL DRAINAGE CHANNEL (STAGE-III)

NO	W(m)	VOLUME(m3)	
KM 22-3	2.31	18	
KM 22-4	8.93	70	
KM 23-2	8.98	70	
TOTAL		158	



2. KAMAL BRANCH DRAINAGE CHANNEL

NO	W(m)	VOLUME(m3)	
KE 1-1	2.60	20	
KE 2	3.80	30	
KE 3-2	5.75	32	
KE 4	5.10	29	
KE 5	5.05	28	
KE 6	3.20	18	
KE 7	5.00	28	
KE 9	1.27	7	
KE 10-1	4.45	25	
KE 12	5.50	31	
KE 14	3.00	17	
KE 15-1	7.50	42	
KE 15-2	7.40	41	
KE 16	2.60	15	
KE 17-1	2.90	16	
KE 18	1.45	8	
KE 19	1.65	9	
KE 20-1	4.50	25	
KE 22	4.60	26	
KE 24-1	3.74	21	
TOTAL		468	

3. TANJUNGAN DRAINAGE CHANNEL

NO	W(m)	VOLUME(m3)		
TM 1	5.63	44		
TM 3-4	8.50	67		
TM 5	12.70	71		
TM 6	11.80	66		
TOTAL		248		

4. NEW DRAINAGE CHANNEL

NO	W(m)	VOLUME(m3)	
NM 11	4.00	22	
TOTAL		22	

5. SALURAN CHENGKARENG DRAINAGE CHANNEL

NO	W(m)	VOLUME(m3)	
CM 3	8.70	68	
CM 6	4.15	33	
CM 7	1.00	8	
CM 9	6.20	49	
CM 11	6.25	49	
CM 13	2.20	17	
CM 15	1.50	12	
CM 16	1.50	12	
CM 17-1	6.40	50	
CM 18-4	14.50	114	<u> </u>
CM 19-1	17.00	133	
CM 20	7.10	56	
CM 22	9.10	71	
TOTAL		672	

6. GEDE/BOR DRAINAGE CHANNEL

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NO	W(m)	VOLUME(m3)	
GM 1-2	7.50	59	
GM 1-4	7.50	59	
GM 5	1.35	8	
GM 6	5.10	40	
GM 7	3.95	22] 4 ¹
GM 8-1	3.10	17	. '
GM 9	4.90	38	
GM 10-2	6.40	50	
GM 11-2	6.24	49	
GM 13-1	3.45	27	
GA 2	4.10	9	
GA 3-1	4.20	9	
TOTAL		387	

PAY ITEM 4.1/04 REMOVAL OF STRUCTURAL STEEL MEMBERS

5. SALURAN CHENGKARENG DRAINAGE CHANNEL

NO	WEIGHT(t)
CM3	4.7
CM15	1.0
CM16	1.0
TOTAL	6.7

6. GEDE/BOR DRAINAGE CHANNEL

NO	WEIGHT(t)
GM1-2	4.0
TOTAL	4.0

Table BILL OF QUANTITIES OF SUPERSTRUCTURE (2/9)
KAMAL (BRANCH) 1/2

SPEC UNI BKE BKE BKE BKE SEC SEC SEC SEC UNI BKE BKE BKE BKE SEC SEC	KAM	KAMAL (BRANCH) 1/2	1/2	ſ		t.	-	-	Ι,	12000	7570	RVET	RKF 8	PKE 9	BKE 10	SUB
CONCRETE Sinches Concrete		STRUCTURE		7		_1	-	╣	-			. :			171	
CONCRETE SOK class m² 19.3 28.90 38.6 38.6 28.90 38.6 13.84 10.64 10.57 11.40 11.4	NIAIN GIR	DER		Unit	no	8	12	9	16	10	17	2	0	†		2
PC-TENDON SWPR7BN If 0.832 1248 1664 1664 1664 1248 1664 0.273 1.348 1447 1.140			CONCRETE	50K class	ĈE	19.3	28.90	38.6	38.6	38.6	28.90	38.6	11.30	28.90	19.80	291.5
Note			PO TENDON	SWPR7BN	4	0.832	1,248	1 664	1.664	1.664	1.248	1.664	0.273	1.248	1.447	12.952
FORM				010	4	0.444	0,665	0.887	0.887	0.887	0.665	0.887	0.361	0.665	0.771	7.119
CONCRETE 24K class m² 55.7 83.50 11.40 11.40 83.50 11.40 41.80 83.50 11.140 41.80 83.50 11.140 41.80 83.50 11.140 41.80 83.50 11.140 41.80 83.50 11.140 41.80 83.5				in set at	3"	1154	<u> </u>	230.80		230.80	173.10	230.80	74.90	173.10	188.90	1821.7
CONCRETE 24K class m² 2.5 4.8 5.7 5.7 5.7 5.7 5.0 9.7 2.0 9.0 8.70			SHEATH	metal	ε	55.7	 _	11.40		11.40	83.50	11.40	41.80	83.50	111.40	505
FORM Self-mail length NUMBER Self-mail length Method Self-mail length Self-mail length Self-mail length Method Self-mail length Self-mail lengt	PORMING		CONCRETE	24K class	^E	2.5	4.8	5.7	5.7	5.7	4.8	5.7	1.20	4.8	4.40	45.3
PC-TENDON NUMBER minit length m			FORM	left in place	"E	4.2	0.6	9.7	6.7	9.7	9.0	9.7		0.6	8.70	81.4
LENGTH Until length m 2830 4440 5830 5830 4440 5830 10560 10560 10550	 -	NOUNET JO	NITAPER	unit	g	24	24	24	24	24	24	24	24	24	ह	240
NUTEG. L. SULM m 67.920 139.920 1119.920		1000171-01	FNGTH	unit length	E	2.830	4.440	5.830	5.830	5.830	4.440	5.830	2.080	4,440	5.830	47.38
NATEGY W SUM	CINCO CINCO			SUM	E		105.560	L		#####	105.560	139.920	49.920	105.560	139 920	1134.12
SHEATI1 GIRDER SPACE metal m 14.4 26.60 33.6				SUM	Į.	0.112	0.716	0.231	0.231	0.231	0.716	0.231	0.082	0.716	0.231	3.497
CROUT THROUGH >20 K m 67.9 109.60 139.90 139.80	1-	SHEATH		metal	ε	14.4	26.60	33.6	33.6	33.6	26.60	33.6	09.6	26.60	33.60	271.8
SIDE WALK PAVEMENT 50 to 160 m/m m² 25 47 7.0 7.0 7.0 4.7 7.0 4.7 7.0 4.7 4.7 4.7 50 to 160 m/m m² 25 4.7 7.0 7.	.L .,	CROUT	•	>20 K	E	67.9	105.601	139.90	139.90	139.90	105.60	139.90	49.90	105.60	139.80	1134.1
SIDE WALK PAVEMENT 30 m/m m² m² m² m² m² m² m²	11100111	POADIVAV		50 to 160 m/m	~E	25	47	7.0	7.0	7.0	4.7	7.0	1.0	4.7	4.7	72.8
SUB-CONCRETE 18K class m' 14.5<	A NEOS IS	SIDE WALK	PAVEMENT	30 m/m	E		-									
K curb-stone m 7.70 7.60 14.5 14.5 14.5 7.60 14.5 5.20 7.60 12.20 24K class m² 7.70 7.60 14.5 14.5 14.5 7.60 14.5 5.20 7.60 12.20 wood/metal m² 150.50 63.10 86.70 86.70 86.70 35.60 35.60 35.80 65.310 74.300 D13 tf 0.361 0.358 0.684 0.684 0.684 0.388 0.584 0.358 0.584 0.358 0.584 0.358 0.584 0.358 0.584 0.358 0.584 0.358 0.584 0.358 0.584 0.358 0.584 0.358 0.358 0.538 0.573 pedestrian m 33.60 33.60 33.60 33.60 33.60 33.60 33.60 33.60 36.0 shaped steel no 8 8 8 8 4 8 8 </td <td>2001</td> <td></td> <td>SUB-CONCRETE</td> <td>18K class</td> <td>Ë</td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td>	2001		SUB-CONCRETE	18K class	Ë					-			-			
DR mortar m² 7.70 7.60 14.5 7.50 7.30 7.300 0.13 tf 0.361 0.358 0.684 0.684 0.684 0.384 0.384 0.245 0.358 0.573 0.13 tf 0.356 33.60 33.60 33.60 33.60 33.60 33.60 29.20 0.66 tshaped steel no 8 8 8 8 8 8 8 Post tspecial no 13.8 19.80 19.80 <td></td> <td></td> <td>SIDE BLOCK</td> <td>curb-stone</td> <td>٤</td> <td></td> <td></td> <td><u> </u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>			SIDE BLOCK	curb-stone	٤			<u> </u>								
24K class m³ 7.70 7.60 14.5 14.5 7.60 14.5 7.60 14.5 7.60 14.5 7.60 14.5 7.60 14.5 5.20 7.60 12.20 wood/metal m² 150.50 63.10 86.70 86.70 86.70 86.70 39.20 63.10 74.300 D13 tf 0.361 0.584 0.684 0.684 0.358 0.684 0.245 0.358 0.573 pcdestrian m 33.60 33.60 33.60 33.60 33.60 29.20 shaped steel no 8			FILLING MOR	mortar	٤											
wood/metal m² 150.50 63.10 86.70 86.70 63.10 86.70 36.70 39.20 63.10 74.300 D13 tf 0.361 0.584 0.684 0.684 0.358 0.684 0.358 0.684 0.358 0.573 2 dia.76.3 m 33.60 33.60 33.60 33.60 33.60 33.60 29.20 shaped steel m 8 <td< td=""><td><u>.</u></td><td>GUARD RAIL</td><td>CONCRETE</td><td>24K class</td><td>JE.</td><td>7.70</td><td></td><td>14.5</td><td>14.5</td><td>14.5</td><td>7.60</td><td>14.5</td><td>5,20</td><td>7.60</td><td>12.20</td><td>6.501</td></td<>	<u>.</u>	GUARD RAIL	CONCRETE	24K class	JE.	7.70		14.5	14.5	14.5	7.60	14.5	5,20	7.60	12.20	6.501
D13 tf 0.358 0.684 0.689 0.689 0.689 0.689 0.689 0.689 0.689 0.689 0.689 0.680 0.680 0.680 0.680 0.689 0.6	-) ; ; ; ; ;	EORM	wood/metal	75	150.50	63.10	86.70	86.70	86.70	63.10	86.70	39.20	63.10	74.300	800.1
2 dia.76.3 m 33.60 33.60 33.60 33.60 33.60 29.20 pedestrian m 8 9 9 9 <td></td> <td></td> <td></td> <td>D13</td> <td><i>3</i>;</td> <td>0.361</td> <td>0.358</td> <td>0.684</td> <td>0.684</td> <td>0.684</td> <td>0.358</td> <td>0.684</td> <td>0.245</td> <td>0.358</td> <td>0.573</td> <td>4.989</td>				D13	<i>3</i> ;	0.361	0.358	0.684	0.684	0.684	0.358	0.684	0.245	0.358	0.573	4.989
pedestrian m 8 8 8 8 4 8 8 3.560 2-angles m 9.06 13.8 19.80 19.80 13.8 19.80 19.80 19.80 19.80 19.80 19.80 19.80 19.80 149.80 19.80 19.80 149.80 19.80 19.80 19.80 19.80 19.80 19.80 19.80 19.80 149.80 149.80 19.80 18.24 23.80 18.24 23.80 18.24 23.80 19.80 </td <td></td> <td></td> <td>:</td> <td>2 dia.76.3</td> <td>E</td> <td>33.60</td> <td>33.60</td> <td>33.60</td> <td>33.60</td> <td>33.60</td> <td>33.60</td> <td>33.60</td> <td></td> <td>33.60</td> <td>29,20</td> <td>298</td>			:	2 dia.76.3	E	33.60	33.60	33.60	33.60	33.60	33.60	33.60		33.60	29,20	298
Staped steel no 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8			CTEEL RAIL	pedestrian	ε			-					33.60			33.6
2-angles m 9.06 13.8 19.80 19.80 13.8 19.80 13.8 19.80 13.8 19.80 149 R number no 12 20 28 0.29 0.29 0.29 0.11 0.22 0.29	<u>.1 .</u>	DRAINAGE	NIMBER	shaped steel	ဦ	8	8	8	83	8	8	8	4	8	95	76
2E rubber joint m 9.06 13.8 19.80 19.80 13.8 19.80 14.8 R number no 11.8 18.24 23.80 23.80 23.80 18.24 23.80 19.80	1.	NOTINGIA	וכדבנו דעשב	2-angles	E				-				7.50			7.5
RUBBER TYPE 150*33 m 11.8 18.24 23.80 23.80 18.24 23.80 18.24 23.80 19. ANCHOR BAR number no 12 20 28 28 20 28 8 20 28 SEAT MORTAR 200*60 ni³ 0.14 0.22 0.29 0.29 0.29 0.29 0.11 0.22 0.29		101111	RIBBER TYPE	robber joint	٤	9.06	13.8	19.80	19.80	08.61	13.8	19.80		13.8	19.80	149.46
ANCHOR BAR number no 12 20 28 28 20 28 8 20 28 28 20 28 8 20 28 8 20 28 8 20 28 8 20 28 8 20 28 20 25 8 20 20 20 20 20 20 20 20 20 20 20 20 20	٠.	CNIGATE	RUBBER TYPE	150*33	a	11.8	18.24	23.80	23.80	23.80	18.24			18.24	23.80	194.32
200-60 ni ³ 0.14 0.22 0.29 0.29 0.29 0.22 0.29 0.11 0.22 0) i	ANCHOR BAR	number	2	12	20	28	28	28	20	28	ω	20	23	220
			ہ ا	200*60	^E	0.14		0.29	0.29	0.29	0.22	0.29	0.11	0.22	0.29	

(3/g)	
 ERSTRUCTURE (3/9)	
JPERSTRU	
SOFSU	
BILL OF OUANTITIES OF SUPERS	
Table)

(

TOTAL	861	42		10.674		2	6	20 65.3				17			1724.6	7. 97.5					154.9			44		48 124	15 22.5		61	
STIR		12			l		445.4		40.6			ار	~		590.5	24.7		_		_		0 372.9			2	8				107
RKE 18	1	3	1_	L	_1_		83.50	3.70	8.00		4.440	의		ì	106.60	4.1					09.9	55.10		29.20	. [4	0	•		
0VE 17) X	08.0	0 237	0 212	12.0	64.60	27.80	1.00	2.50	16	2.080	33.280	0.055	6.40	33.30	1.4					4.50	34.20	0.213		29.20		7.50			8.80
71 3/10	4	0 0	0037	0 0 0		64.60	27.80	1.00	2.50	16	2.080	33.280	0.055	6.40	33.30	1.4					4.50	34.20	0.213		29.20	ঘ	7.50			8.80
		9 5	277	172	20.50	74.90	41.8	1.90	3.70	24	2.830	67.920	0.112	14.40	67.90	2.2					6.60	55.20	0.313	. 29.20		8		06		E
1,10,10	14 J. 14	9	0.272	2,200	0.301	74.90	41.8	1 90	3.70	24	2.830	67.920	0.112	14.40	06.79	2.2					9.60	55.20	0.313	29.20		8		0.6		=
6. 02.0	242	07 52	07:/5	200	200.0	235.10	139.20	5.70	11.20	75	7.330	175.920	0.291	43.20	175.90	8.7					12.60	75.90	0.596	29.20		8		24.60		29.80
	BKE 12	12 Cancel							1 6 6] ; ;							
	BKE II BKE 12 BKE 13 BKE 14 BKE 13	121	28.90	1.2.40	0.665	173.10	83.50	4.8	0.6	24	4.440	105.560	0.716	26.60	105.60	47					7.60	63.10	0.358	33.60		8		13.80		
		2	E		11	m,	E	Ē	, E	2	E	٤	£	E	ε	ļ.,	-		E	æ	Ê	m	ış:	a	٤	ဇ္	E	٤	3	E
	SPEC	Unit	SOK class	SWPK/ESN	D10	metal	metal	24K class	left in place	unit	unit length	SUM	SUM	metal	>20 K	7/m 050 ot 05	30 m/m	18K class	curb-stone	mortar	24K class	wood/metal	D13	2 dia 76.3	pedestrian	shaped steel	2-angles	cubber ioint	115	150*33
272		T	CONCRETE	PC-TENDON	RE-BAR	FORM	 ;:	CONCRETE	EORM	NIMBER	LENGTH			PACE		PAVEMENT	PAVEMENT	SUB-CONCRETE	SIDE BLOCK	FILLING MOR	CONCRETE	FORM	RE-BAR	STEEL RAIL	STEEL RAIL	NUMBER	EXPANTION STEEL TYPE	ממאש משמנים	ころしももにと こうさり	RUBBER TYPE
KAMAL (BRANCH) 2/2	JCTURE		, is also							NOGNAT-DG				CHEATH		VAWGAGG	SIDE WALK				GUARD RAIL CONCRETE		:			DRAINAGE	EXPANTION		-	BEARING
KAM		1. MAIN GIRDER	plantariel		44/2	iono l / Tel		ONIT COS C		30000	GIRDER					110000	ANFOLIS			****		- W-			· · · · · · · · · · · · · · · · · · ·	4.° 4 .	, Walter	~~		

Table BILL OF QUANTITIES OF SUPERSTRUCTURE (4/9)

(6/5)	
 ES OF SUPERSTRUCTURE	
BILL OF QUANTITIE	
Table	

	PIN JONCIION		ľ					7 77.70						TOTAL	-
e cajorio	STRUCTURE		SPEC	E	BNM	BNM Z BNM S	BNM S	DINM 4	1						Ĉ
I MAIN GIRDER	RDER	NUMBER	Unit	ou	Change Change Change Change	Change	Change	Change							1
		שבשמיועט	SOK class	سع		: .									ੈ
		PC_TENDON	SWPR7BN	4:											ॅ
04 to €.54		T	510	12											ॅॉ
	•		metal	37											া
		Ţ	metal	E								_			ॅॉ
2 EOBACING	و	CONCRETE	24K class	Ê											ॅॉ
)	FORM	left in place	a,											ী
3 CROSS	PC-TENDON	NUMBER	unit	20											३ द
GIRDER		LENGTH	unit length	£								_			वि
			SUM	ш									ļ		7
			SUM	tf		:									ة [5
-	SHEATH	PACE	metai	æ								1			ि
-	GROUT		>20 K	Ε											7
A NOSCII I	ROADWAY	PAVEMENT	50 to 160 m/m	"E	:			1		:					ा
ANFOIN	SIDE WALK	PAVEMENT	30 m/m	E											-250
		SUB-CONCRETE	TELISK class	E								_			
		SIDE BLOCK	curb-stone	E											Ī
ndje kravit di		FILLING MOR	mortar	'n						:					Î
-0-4-C-2	GUARD RAIL CONCRETE	CONCRETE	24K class	E							•				ী
		FORM	wood/metal	E.					14.5		1				0
- AD-SU		RE-BAR	D13	*:				*							ीं
nuncur-		STEEL RAIL	2 dia.76.3	E											ी
		STEEL RAIL	pedestrian	ε		2 2				:	_				Ĩ
	DRAINAGE NUMBER	NUMBER	shaped steel	ou							-	_			न्
-	EXPANTION	EXPANTION STEEL TYPE	2-angles	E					*.	3					ী
	!	RUBBER TYPE	nubber joint	ε											ľ
	BEARING	RUBBER TYPE	150*33	m·						:			 		5] i
h. Tarkenya		ANCHOR BAR	number	ဥ											ा
		SEAT MORTAR 200.60	200.00	Ë		. :		:							ं
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Table BILL OF QUANTITIES OF SUPERSTRUCTURE (6/9) CENGKARENG 1/2

Marcol 12 12 12 13 14 15 15 15 15 15 15 15	STRUCTURE	STRUCTURE	SPEC	LIND	BCM 1	BCM 1 BCM 2 BCM 3	BCM 3	BCM 4 BCM 5	BCM 5	всм 6	BCM 7	BCM 8	BCM 9 BCM 10	3CM 10	SUB
March Marc	NUMBER		Unit		Cancel	12	9	3	8	χ,	9	~	3	8	57
It	CONCRETE 50	50	50K class	É		56.20	28.10	10.4	37.50	30.29	28.10	10.90	10.90	32.01	244.4
Harmon H		ΜS	SWPR7BN	ţţ		3.340	1.670	0.627	2.227	1.86	1.670	0.556	0.556	1 970	14.476
m	RE-BAR DIO	010		ĮĮ.		2.395	1.197	0.504	1.596	1.426	1.197	0.250	0.250	2.970	11.785
m	FORM metal	met		⊒7		627.40	313.70	110.8	418.2	326.60	313.70	63.70	63.70	345.13	2582.93
m	SHEATH	met	al	E		181 00	90.50	45.2	120.6	126.00	90.50	06.0	0.90	133,11	788.71
CC m² 12.6 7.60 2.0 6.90 7.20 7.60 1.80 7.62 1 mo 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.0 <td>CONCRETE 24K</td> <td>24K</td> <td>24K class</td> <td>m₃</td> <td></td> <td>12.1</td> <td>6.50</td> <td>1.30</td> <td>5.50</td> <td>5.70</td> <td>6.50</td> <td>1.20</td> <td>1.20</td> <td>6.07</td> <td>46.07</td>	CONCRETE 24K	24K	24K class	m ₃		12.1	6.50	1.30	5.50	5.70	6.50	1.20	1.20	6.07	46.07
No.	FORM left i	left i	left in place	E.		12.6	7.60	2.0	6.90	7.20	7.60	1.80	1.80	7.62	55.12
m m 8.830 4.440 2.080 5.830 8.830 4.440 2.080 2.080 5.830 15.380 11 tf	PC-TENDON NUMBER unit	unit		ou		26	26	26	26	26	26	12	12	26	206
m	LENGTH	unit	unit length	ε		8.830	4.440	2.080	5.830	5.830	4.440	2.080	2.080	5.830	17 -7
rf 0,379 0,191 0,089 0,250 0,250 0,191 0,041 0,041 0,040 0,250 m 57,20 28,90 10,40 36,40 36,40 28,90 4,80 4,80 36,40 15,60 115,40 28,90 4,80 4,80 36,40 15,60 115,40 28,90 4,80 4,80 36,40 15,60 115,40 25,00 25,00 151,60 151,60 115,40 25,00 25,00 151,60 151,60 151,60 151,60 151,60 151,60 151,60 151,00 151,60 151,60 151,00 13,70 13,80 m m 31,60 31,60 28,50 31,70 4,40 4,40 13,80 m 0,500 0,532 36,6 86,60 74,70 58,50 31,70 31,70 31,70 31,70 m 31,60 31,50 32,50 31,60 31,60 31,60 31,60 31,60 31,60 31,60 </td <td></td> <td>SUN</td> <td></td> <td>ε</td> <td></td> <td>229.580</td> <td>15.440</td> <td></td> <td>#####</td> <td>151.580</td> <td>115.440</td> <td>24.960</td> <td>24.960</td> <td>151.580</td> <td>1019.2</td>		SUN		ε		229.580	15.440		#####	151.580	115.440	24.960	24.960	151.580	1019.2
m/m m \$77.20 28.90 10.40 36.40 28.90 4.80 4.80 36.40 1 m/m m 229.60 115.40 54.1 15.160 151.60 151.60 25.00 25.00 25.00 151.60 1 m m.2 0.75 m 6.7 m m 4.4 1.4 5.6 5.85 4.4 1.2 1.2 6.2 m m.2 0.732 m 0.732 m m 4.40 4.40 4.40 13.80 ni m.2 0.322 m m 4.40 4.40 4.40 13.80 ni m.2 0.600 0.326 0.56 0.734 0.61 0.35 0.205 0.205 0.205 ni m.2 0.600 0.336 0.26 0.734 0.61 0.326 0.205 0.205 0.205 0.205 ni m.2 0.600 0.336 0.26 <th< td=""><td></td><td>SUN</td><td></td><td>J1</td><td></td><td>0.379</td><td>0.191</td><td>0.089</td><td>0.250</td><td>0.250</td><td>161.0</td><td>0.041</td><td>0.041</td><td>0.250</td><td>1.682</td></th<>		SUN		J1		0.379	0.191	0.089	0.250	0.250	161.0	0.041	0.041	0.250	1.682
m/m m 229,60 115.40 54.1 151.60 151.60 115.40 25.00 25.00 25.00 151.60 1 m/m m/m 0.75 4.4 1.4 5.6 5.85 4.4 1.2 1.2 6.2 m m/m 6.7 31.6 9.4 4.4 1.4 5.6 15.60 15.10 7.10 4.40 4.40 15.60 15.10 7.10 4.40 4.40 13.80 m m 0.322 31.60 32.6 86.60 74.70 58.50 31.70 78.91 5.00 ni 1.2.70 7.10 4.40 4.40 13.80 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10	GIRDER SPACE metal	metal		ε		57.20	28.90	10.40	36.40	36.40	28.90	4.80	4.80	36.40	24.2
m/m m² 94 4.4 1.4 5.6 5.85 4.4 1.2 1.2 6.2 m² 6.7 1.2 1.4 5.6 5.85 4.4 1.2 1.2 6.2 m² m² 6.7 1.2 1.2 1.2 1.2 1.2 6.2 m² m² 12.70 7.10 5.1 15.60 13.10 7.10 4.40 4.40 4.40 13.80 ni m² 86.30 58.50 36.6 86.60 74.70 58.50 31.70 78.91 5.80 ni m² 31.60 31.60 31.60 28.20 31.70 31.90 31.50 ni 31.60 31.60 28.20 31.60 25.20 25.20 25.20 25.20 ni 19.20 9.20 13.20 13.20 13.20 13.20 13.20 ni ni 17.90 9.12 4.40 4.40 4.40	THROUGH >20 K	>20 I	ζ	E		229.60	115.40	. 54.1	151.60	151.60	115.40	25.00	25.00	151.60	1019.3
m² 0.75 9 9 m² 6.7 9 11. m² 6.7 9 12.70 7.10 5.1 15.60 13.10 7.10 4.40 4.40 13.80 8.5 m² m² 12.70 7.10 5.1 15.60 13.10 7.10 4.40 4.40 13.80 8.5 n² 86.30 58.50 36.6 86.60 74.70 58.50 31.70 78.91 54.3 n² 16 0.600 0.336 0.238 0.734 0.61 0.336 0.205 0.205 0.650 35.80 m 31.60 23.60 31.60 28.20 31.60 26.20 25.20 2	PAVEMENT 50 to	50 to	160 m/m	Ê		9.4	4.4	1.4	5.6		4.4	1.2	1.2	6.2	39.65
m 6.7 1. m 31.6 . . . 6.6 m² 0.322 . 12.70 7.10 5.1 15.60 13.10 7.10 4.40 4.40 13.80 8.6 n³ 0.600 0.326 3.66 86.60 74.70 58.50 31.70 78.91 543 n¹ tf 0.600 0.336 0.238 0.734 0.61 0.336 0.205 0.650 3.50 m 31.60 31.60 23.20 31.60 28.20 31.60 25.20 25.20 25.20 25.80 18. m 10.0 4 11.90 9.12 4.40 11.90 9.12 4.40 4.40 11.90	:	30 m/	E	Ë		0.75									0.75
ne m 31.6 9 6 s m² 0.322 9 12.70 7.10 5.1 15.60 13.10 7.10 4.40 4.40 4.40 13.80 8 s m³ 86.30 58.50 36.6 86.60 74.70 58.50 31.70 78.91 543 stral m² 86.30 58.50 36.6 86.60 74.70 58.50 31.70 78.91 543 s m 31.60 0.236 0.238 0.734 0.61 0.336 0.205 0.650 35.90 n m 31.60 28.20 31.60 28.20 31.60 25.20 25.20 25.80 18 cel no 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 11.90 9.12 4.40 11.90 11.90	SUB-CONCRETE 18K class	18K c	ass	m		6.7	•								13.4
m² 0.322 15.60 13.10 7.10 4.40 4.40 4.40 13.80 8 tril m² 86.30 58.50 36.6 86.60 74.70 58.50 31.70 78.91 543 tf 0.600 0.336 0.238 0.734 0.61 0.336 0.205 0.650 35.60 n m 31.60 31.60 28.20 31.60 28.20 31.60 28.20 31.60	SIDE BLOCK curb-stone	curb-s	tone	ш)	31.6			•						63.2
s m³ 12.70 7.10 5.1 15.60 13.10 7.10 4.40 4.40 4.40 13.80 8.63 trid m³ 86.30 58.50 36.6 86.60 74.70 58.50 31.70 78.91 543 tf 0.600 0.336 0.238 0.734 0.61 0.336 0.205 0.600 3.60 3.60 n m 31.60 31.60 28.20 31.60 25.20 25.20 25.20 35.00 18. eel no 4	FILLING MOR mortar	morta		Ē		0.322	2								29.0
tril m² 86.30 58.50 36.6 86.60 74.70 58.50 31.70 78.91 543 1 tf 0.600 0.336 0.238 0.738 0.650 0.205 0.205 0.650 3.5 3 m 31.60 31.60 31.60 28.20 28.20 31.60 25.20 25.20 18. 2 m 29.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 18. m 29.20 20.20 20.20 13.20 13.20 20.20 20.20 20.20 20.20 13.20 20.20	GUARD RAIL CONCRETE 24K class	24K c	ass	ີຣ		12.70	7.10	5.1	15.60	13.10	7.10	4.40	4.40	13.80	83.3
tf 0.600 0.336 0.238 0.734 0.61 0.336 0.205 0.600 0.360 3.8 n m 31.60 31.60 28.20 31.60 25.20 25.20 25.20 3.8 cel no 4 10 10 10 10 10 10	FORM	wood	/metai	m		86.30	58.50	36.6	86.60	74.70	58.50	31.70	31.70	78.91	543.51
3 m 31.60 31.60 28.20 31.60 28.20 31.60 31.60 18.20 29.80 18.20 n m 4 11.90 85.00 11.90 85.00 11.90 85.00 11.90 85.00 11.90	RE-BAR D13	D13		į ji		0.600	0.336	0.238	0.734	0.61	0.336	0.205	0.205	0.650	3.914
n m 29.20 25.20 25.20 7. cel no 4 1 4 4 1 4 1 4 4 1 4 1 4 1	STEEL RAIL 2 dia. 76.3	2 dia.	76.3	æ		31.60	31.60		31.60	28.20	31.60			29.80	184.4
cel no 4 13.20 7 13.20 7 13.20 7 13.20 7 13.20 7 13.20 7 13.20 7 13.20 7 13.20 7 13.20 7 13.20 7 13.20 7 13.20 7 13.20 7 13.20 7 13.20 7 13.20 7 13.20 7 14 <td>STEEL RAIL pedestrian</td> <td>pedes</td> <td>trian</td> <td>æ</td> <td></td> <td></td> <td></td> <td>29.20</td> <td>~- </td> <td></td> <td></td> <td>25.20</td> <td>25,20</td> <td></td> <td>79.6</td>	STEEL RAIL pedestrian	pedes	trian	æ				29.20	~- 			25.20	25,20		79.6
int m 19.20 9.20 13.20 13.20 9.20 13		shape	d steel	ou		4	4	4	4	4	4	7	4	4	36
int m 19.20 9.20 13.20 13.20 9.20 13	EXPANTION STEEL TYPE 2-angles	2-ans	ics .	m				5.00					5.00		[5]
m 17.90 9.12 4.40 11.90 9.12 4.40 4.40 11.90 no 22 10 4 14 14 4 4 4 14 m³ 0.21 0.11 0.05 0.14 0.14 0.11 0.05 0.05 0.14	RUBBER TYPE nibbe	upp	nibber joint	u }		19.20	9.20		13.20	13.20	9.20			13,20	77.2
no 22 10 4 14 14 16 4 4 14 m³ 0.21 0.11 0.05 0.14 0.14 0.11 0.05 0.05 0.14	RUBBER TYPE 150*33	150	*33	u.		17.90	9.12		11.90	11.90	9.12	4.40	4.40	11.90	85.04
m ³ 0.21 0.11 0.05 0.14 0.14 0.11 0.05 0.05	ANCHOR BAR number	מווש	ber	ou		22	10	4	14	14	10	4	4	14	96
	SEAT MORTAR 200*60	200	09	e.		0.21	0.11	0.05	0.14	0.14	0.11	0.05	0.05	0.14	1

Table BILL OF QUANTITIES OF SUPERSTRUCTURE (7/9) CENGKARENG 2/2

11873 8.342 11.87 8.342 36.74 49.43 80.5 845.9 846.9 846.9 847.9 847.9 847.9 847.9 847.9 847.9 847.9 847.9 847.9 847.9 847.9 847.9 847.9 847.9 847.9 847.9 847.9 848.1 95.5 847.9 847.	STRUCTURE SPEC UNITIBCM 12 BCM 13 BCM 14 IRDER NUMBER Unit no 16 16 10 12	SPEC	UNIT BCM 11 BCM 12 BCM 13 BCM no 16 10	BCM 11 BCM 12 BCM 13 BCM 16 10	BCM 12 BCM 13 BCM	3CM 13 BCM 10	S S	12 14	SUB 54						TOTAL
SWPR7EN If 33990 1.84 2.048 1.87	CONCRETE	ETE	50K class	^E	64.87	64.87	23.39	36.20	189.3					-	433.73
D10	PC-TENDON	2	SWPR7BN	ιţ	3.990	3.990	1.84	2.048	11.87						26.344
metal m² 704.320 99.87 111.4 751.1 11.5 11.	RE-BAR		D10	ţţ	3.380	3.380	0.75	0.832	8.342						20.127
Parkelas m 269-90 2695-90 99-87 111-4 751-1 111-4 11-4	FORM	:	metal	Ë	704.330	704.330	194.14	216.50	1819		-				4402.23
Carticless	SHEATH		metal	ε	269.90	269.90	99.87	111.4	751.1						1539.78
Left in place m² 16,44 7.75 8.80 49,43	CONCRETE	TE	24K class	m,	13.20	13.20	4.74	5.6	36.74						82.81
unit length m 11830 1330 8830 3982 1830 11830 11830 1330 1330 1382 1845	FORM		left in place	m²	16.44	16.44	7.75	8.80	49.43						104.55
Initi length m 11.830 11.830 8.830 8.830 8.859	PC-TENDON NUMBER	×	unit	ou	26	26	12	191	80				-		286
SULM m 307,580 307,580 142,800 845.9 SULM tf 0,508 0,508 0,145 0,233 1,394 SULM tf 0,508 0,508 0,145 0,233 1,394 SULM tf 0,508 0,508 0,145 0,232 212.8 SOLD m 307,6 88.0 141.30 844.5 6.8 SOLD m 307,0 30.5 6.3 48.1 6.3 A curb-stone m 4.3 10.22 2.2 6.25 A curb-stone m 30.20 22.6 21.00 104 6.8 A curb-stone m 30.20 22.5 <t< td=""><td>LENGTH</td><td></td><td>unit length</td><td>E</td><td>11.830</td><td>11.830</td><td>7.330</td><td>8.830</td><td>39.82</td><td></td><td></td><td></td><td></td><td></td><td>81.26</td></t<>	LENGTH		unit length	E	11.830	11.830	7.330	8.830	39.82						81.26
SUM tf 0.508 0.145 0.233 1.394 ACE metal m 78.00 21.60 35.20 212.8 >20 K m 78.00 21.60 35.20 212.8 6.0 S O to 160 m/m m 77.5 17.5 17.5 18.0 6.3 48.1 S O to 160 m/m m 17.5 17.5 17.5 6.8 6.3 48.1 6.0 ET 30 m/m m 17.5 17.5 6.8 6.3 48.1 6.0 6.0 QUE 30 m/m m 11.07 11.07 10.22 7.0 30.5 6.2 8.6 8.6 8.8 8.8 8.8 8.8 8.8 8.8 8.8 8.8 8.8 8.8 8.8 8.8 8.8 8.8 8.8 9.5 9.5 9.5 9.5 9.5 9.5 9.5 9.5 9.5 9.5 9.5 9.5 9.5 9.5 9.5	INTEG. L		MUSI	٤	307.580			142.800	845.9						1865.12
ACE metal m 78.00 78.00 21.60 35.20 212.8 So to 160 m/m m 307.6 88.0 141.30 844.5 6 48.1 So to 160 m/m m² 17.5 17.5 6.8 6.3 48.1 6 6.3 48.1 6 6.3 48.1 6 6.3 48.1 6 6.3 48.1 6 6.3 48.1 6 6.3 48.1 6 6.3 48.1 6 6.3 48.1 6 6.3 48.1 6 6.3 48.1 6 6.3 48.1 6 6.3 48.1 6 6.3	INTEG. W		SUM	ŧξ	0.508	0.508	L	0.233	1.394		÷				3.076
P20 K m 307.6 307.6 88.0 141.30 844.5 So to 160 m/m m² 17.5 17.5 6.8 6.3 48.1 So to 160 m/m m² 17.5 17.5 6.8 6.3 48.1 SETE 18K class m² 17.5 17.5 17.5 6.8 6.3 48.1 OR curb-stone m 4.5 20 22 6.8 6.3 8.2 OR curb-stone m 0.22 2 2 6.8	GIRDE	SPACE	metai	E	78.00	78.00	21.60	35.20	212.8						457
So to 160 m/m m² 17.5 6.8 6.3 48.1 So m/m m 0.50 0.50 0.5 XC curb-stone m 4.5 6.8 6.3 48.1 XC curb-stone m 21 22 22 6.8 6.3 4.5 6.8 6.3 6.2	THROUGH	ЮH	>20 K	E	307.6	307.6	88.0	141.30	844.5						1863.8
RELE ISR class m² 0.50 0.5 K curb-stone m 4.5 0 OR curb-stone m 4.5 0 OR curb-stone m 4.5 0 OR curb-stone m 0.22 0 0 OR 24K class m² 73.49 73.49 59.08 53.40 259.5 0 Wood/metal m² 73.49 73.49 59.08 53.40 259.5 0	PAVEN	AENT .	50 to 160 m/m	°E	17.5	17.5	8.9	6.3	48.1						87.75
Keless m² 4.5 6 4.5 6 6 4.5 6 6 6 7.2 6 7.2 <t< td=""><td>PAVEN</td><td>ENT</td><td>30 m/m</td><td>u</td><td></td><td></td><td></td><td>0.50</td><td>0.5</td><td></td><td></td><td></td><td>į</td><td></td><td>, n = 4</td></t<>	PAVEN	ENT	30 m/m	u				0.50	0.5				į		, n = 4
K curb-stone m 21 Corb-stone m 0.22 Corporation Corporation Montant m² 11.07 11.07 10.22 72.0 39.56 S3.40 259.53 S3.40 259.53 S3.40 S3.56 S3.40 S3.56 S3.40 S3.56 S3.40 S3.50 S3.40 S3.50 S3.40 S3.50 S3.40 S3.50 S3.40 S3.50 S3.60	SUB-CC	NCRETE	18K class	'n				4.5					:		4.5
DR mortar m² 11.07 11.07 10.22 72.0 39.56 11.07 10.22 72.0 39.56 11.07 11.07 11.07 11.07 11.07 11.07 11.07 11.07 11.07 11.07 11.07 10.22 72.0 39.56 8.3.40 259.5 8.8 8 Local Disconting in pedestrian with per violet in part of the per violet in par	SIDE BLOCK	LOCK	curb-stone	æ				21	\	-		.]			21
24K class m² 11.07 11.07 10.22 7.20 39.56 8 wood/metal m² 73.49 73.49 59.08 53.40 259.5 8 D13 tf 0.52 0.52 0.50 0.338 1.878 8 Janach tf 0.52 0.52 0.50 21.00 104 8 Janach tf 4 4 4 16 8 Shaped steel no 4 4 4 16 8 E 2-angles m 24.40 16.40 19.20 84.4 8 PE rubber joint m 24.40 16.40 17.90 80.6 8 AR number no 30 0.29 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0	FILE	اررا	mortar	æ				0.22							0.22
wood/metal m² 73.49 73.49 59.08 53.40 259.5 D13 tf 0.52 0.52 0.50 0.338 1.878 2 dia.76.3 m 30.20 30.20 22.60 21.00 104 pedestrian m 4 4 4 4 16 shaped-steel no 4 4 4 4 16 2-angles m 24.40 16.40 19.20 84.4 11 2-angles m 24.40 24.40 16.40 19.20 84.4 16 R number no 30 23.90 14.90 17.90 80.6 17 R number no 30 30 18 22 100 AR 20.40 0.29 0.05 0.21 0.24 0.24	GUARD RAIL CONCRETE	tere	24K class	m,	11.07	11.07	10.22	7.20	39.56		:				122.86
D13 tf 0.52 0.50 0.338 1.878	FORM		wood/metal	a"	73.49	73.49	59.08	53.40	259.5						802.97
2 dia.76.3 m 30.20 22.60 21.00 104 pedestrian m 4 4 4 4 4 6 6 2-angles m 24.40 24.40 16.40 19.20 84.4 84.4 16 E Iso+33 m 23.90 14.90 17.90 80.6 17 18 18 18 AR 200*60 m³ 0.29 0.05 0.21 0.04 0.21 0.24<	RE-BAR	3	D13	JI	0.52	0.52	0.50	0.338	1.878						5.792
pedestrian m 4 4 4 4 16 22-angles m 24.40 24.40 16.40 19.20 84.4 16 PE 150•33 m 23.90 24.90 17.90 80.6 16 R number no 30 30 18 22 100 AR 200•60 m³ 0.29 0.05 0.21 0.21 0.84	STEEL RAIL	RAIL	2 dia.76.3	E	30.20	30.20	22.60	21.00	104						288.4
Shaped steel no 4 4 4 4 16 <	STEEL RAIL	RAIL	pedestrian	E					-						a*. 4.94
2-angles m 24.40 24.40 16.40 19.20 84.4 10 25 rubber joint m 23.90 23.90 14.90 17.90 80.6 15 R number no 30 30 18 22 100 RR 200*60 m³ 0.29 0.29 0.05 0.21 0.84	NUMBER	.R	shaped steel	uo	4	7	4	4	16						52
rubber joint m 24.40 24.40 16.40 19.20 84.4 15.00 150*33 m 23.90 23.90 14.90 17.90 80.6 16 16 number no 30 30 18 22 100 16 200*60 m³ 0.29 0.05 0.21 0.84 16	EXPANTION STEEL TYPE	TYPE	2-angles	Ε	:			.4		1					0
150*33 m 23.90 23.90 14.90 17.90 80.6 l l l l l l l l l l l l l l l l l l l	RUBBE	RTYPE	rubber joint	ш	24.40	24.40	16.40	19.20	84.4		:				171.6
number no 30 30 18 22 100 200*60 m³ 0.29 0.05 0.21 0.84	RUBBE	RTYPE	150*33	u.	23.90	23.90	14.90	17.90	9.08						165.64
200*60 m³ 0.29 0.29 0.05 0.21 0.84	ANCHO	R BAR	number	QI,	30	30	18	22	100						196
	SEATW		200*60	<u>.</u> ٤	0.29	0.29	0.05	0.21	0.84		:	,			1.84

BILL OF QUANTITIES OF SUPERSTRUCTURE (8/9)

17	73	284.6	6.822	17	3174.3	918	72	77.7	Š Ž	23	384.88	रू हुट्ट ट	336.3	5527.9	\$6.5	1.6	13.4	63.2	0.664	111.4	735.3	5.257	284.4	31.6	23	5	112.6	99.16	126	1.29	
TOTAL		``	×		3			ļ			2			Š											_						
BGM 10	7	19.70	1,113	0.798	221.50	60.30	3.60	3.50	26	2.830	73.580	0.122	15.60	73.60	3.0					12.20	86.20	0.5760	31.60		7		7.0	5.90	9	0.07	
BGM 9	8	37.50	2.227	1.596	418.20	120.0	7.70	8.00	26	5.830	151.580	0.25	36.40	151.60	6.7					15.60	86.60	0.734	31.6		4		13.20	11.90	14	0.14	
BGM 8	8	37.50	2.227	1.596	418.20	120.0	7.70	8.00	26	5.830	151.580	0.25	36.40	151.60	6.7					15.60	86.60	0.734	31.6		4		13.20	11.90	14	0.14	
BGM 7	9	28.10	1.670	1.197	313.70	90,50	6.50	7.60	26	4,44	114.440	0.191	28.90	115.40	4.4					7.10	58.50	0.336	31.60		4		9.20	9.12	10	0.11	
BGM 6	9	28.10	1 670	1.197	313.70	90.50	6.50	7.60	26	4.44	114.440	0.191	28.90	115.40	4.4			-	-	7.10	58.50	0.336	31.60		4		9.20	9.12	10	0.11	
4 BGM 5	9	28.10	1.670	1.197	313.70	90.50	6.50	7.60	26	4.44	HHHHH	0.191	28.90	115.40	4.4					7.10	58.50	0.336	31.60		4		9.20	9.12	10	0.11	
RGM 4	8	37.50	2.227	1.596	418.20	120.0	7.70	8.00	26	5.830	151.580	0.25	36.40	151.60	6.6					15.60	86.60	0.734	31.6		4		13.20	11.90	14	0.14	
L-		11 90	0.678	0.599	129.70	45.20	1.60	2.20	26	2.080	54.080	0.089	10.4	54.10	1.5				T	5.70	41.20	0.271		31.6	7	S		4.40	4	0.05	
BCW 2 BGW 3	2	28.10	1670	1.197	313 700	8 8	12,10	12.60	26	8.830	229.580	0.38	57.200	2299.6	9,4	0.8	6.70	31 60	0.3321	12.7	863	009 0			4		19.20	17.90	22	0.21	
1 MOG		28 10	1 670	1.197		8 20	12.10	12.60	26	8.830		0.38	57,200	2299.6	9.4	80	6.70	31,60	28.0	12.7	863	0090	31.6		4		19.20	17.90	22	0.21	
1 thirth	2 2	2	-	-	37	E	٦	"E	92	Ε	a	4.	ε	٤	TE	Ê	ŀε	٤	E	^E	~E	4	E	E	ဋ	E	ε	E	2	m³	
Cago	To:	Cort alass	SWP87RN	010	lesem	metal	24K class	ieft in place	111111	trait lenoth	SUM	SI IM	metal	>20 K	50 to 160 m/m	30 m/m	18K class	Constant	cui o-storic	24K clase	le famel som	D13	2 dia 76 3	nedestrian	shaped steel	2-angles	rubber joint	150*33	number	200*60	
	2 00074114		OCKETE OC TENDON			POKWI CHE A TH	#						# Z 4	٦	-		בעני	ī	SIDE BLOCK			P COLOR	ATT			STEEL TYPE	BURRER TYPE	1		I .	
GEDE/BOR	Z 10KE								PO TENION IN IMBER	נכיובואדיסוא			SUDA TIL	Τ	NAWA CO	SINCE WATER	איטרא שחוני			ETERONICA TO TO THE	אילא טאלטט				RAINAGE			CNIARDA	Section 2	· -	
		I. MAIN GINDER		محاورة.			OWN GOT	T. LOVAIII	30000	5 CNOSS	GIALIEA				11000	A MISCIEL	2000	· ·	******	- N. A. P. P.				LEV-VIII.		-	, <u></u>	E, Maryy,	negation.		

rable BILL OF QUANTITIES OF SUPERSTRUCTURE (9/9)

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•	GROUND TOTA	GROUND TOTAL OF SUPER STRUCTURE		Ì					171 1 1700	BCK 1-101	TOTA!
	STRUCTURE		SPEC	FIND	BKW 1-11	BKE 1-18	BIM I-5	PNM I	#1-14	-1	14.5
0.000.000		NI INBER	Unit	2	219	198	116	Ö	111	5	-
I. MAIN GIROFK		CONCETE	SOV class	E	686,8	422.1	348.63	0	433,73	284.6	2175.86
		CONCAETE PO TENINON	Nar salvo	, .	32 601	18,203	19.889	0	26.344	16.822	113.859
		PC-1ENDON	SWING.		24.7	10.674	12.808	0.000	20.127	12.170	80.479
		NE-DAN CODY	210		5550.9	2650.6	2886.2	0	4402.23	3174.3	18664.23
tol C		FORM	וווכנים!	Ę	2502.4	950.4	1227.6	0	1539.78	918	7138.18
0.00		CONCRETE	24K class	Ê	116.39	65.3	60.2	0	82.81	22	396.7
Z POKNING		CONCRETE	left in place	E	186.8	122	88.75	0	104.55	77.7	579.8
20000	BEANTIN: INCRINGT OF	I FORM	linii	2	602	392	178	0	286	260	1718
3 C KOSS		FNGTH	unit length	E	53.41	73.41	42.740	0	81.260	53.380	304.2
2000		NTEC 1	Wils	E	3901.64	1724.56	1559.6	0	1865.12	1384.88	10435.8
		INTEG W	SUM	tt	6.45	5.014	2.575	0.000	3.	2.294	19.409
	CUCATH	CIRDER SPACE	metal	٤	910	409.8	388.4	0	457	336.3	2501.5
	TIVES	THEOLIGH	>20 K	٤	3900.7	1724.6	1559.8	0	1863.8	5527.9	14576.8
i in Contra	× 4,100,00	PANENT	50 to 160 m/m	E	134.11	97.5	. 79.3	0	87.75	56.5	455.16
+ MISCILL-		PA VENCENT	30 m/m	E	7.95		0		-	1.6	10.55
ANEOUS	SiDe WALK	CTTO CONCOUTE	18K elsec	Ē	70.37		0		4.5	13.4	88.27
, ya		SUB-CONCALL	Curry City	E	330.3		0		21	63.2	414.5
	gange below	SIDE BUNN	Arrain - arrain	7	2.468		C		0.22	0.664	4.352
		FILLING MOK	mortar		3		֓֞֜֜֜֓֓֓֓֟֟֝֟֝֟֓֓֟֟ ֓֓֓֓֓֓֓֓֓֓֟				855 15
	GUARD RAIL	CONCRETE	24K class	eu .	189.19	154.9	76.8	2			033.13
-		FORM	wood/metal	z _w	1290,4	1173	505.8		<u>«</u>		4507.47
		RE-BAR	513	ت	8.931	7.306	3.618	0.000			30.904
ener)		STEELRAIL	12 dia 76.3	٤	488.7	448.4	205.4	0	288.4		1715.3
g fra Talke		STEEL RAIL	pedestrian	E	218.7	92	0			31.6	342.3
	SO A IN A GU	NIMBER	shaped steel	2	96	124	36	0	52	38	346
ang-three		בדמהו דיסה	2-anoles	E	30	22.5	0.0	0	0.0		57.5
ار م ا بند میان	EACAINLION	PI IBBER TVPF	nibber joint	E	200	219.66	134.7		171.6		838.56
C-Markart	CNIGATIO	PI ISBER TYPE	150*33	ε	327.02	۰	173.1	0.00	165.64	108	1076.72
		ANCHOR BAR	number	200	382	336	214	0.0	196	126	1254
		SFAT MORTAR	200*60	٦	4.2	1.3	1.94	0	1.84	1.29	10.57

Bill of Quantity of Substructure(1/9)
A. Pre-Ten Girder Bridge

:	KAMAL (MAIN)	MAIN)							F 11/10	0 4470	O WXG	DKW 10	EXX 11	TOTAL
				9KM -	BKM3	BKM 4	BKM 5	BKW 0	a Section	D INCO		1		
							-				Cancei		- }	
		0100	71141		-									
HAMM	HAMMER HEAD	מבות			1	9 (0.5	60	0.5	24.6		50.0	51.7	292.2
.0.07	CONCRETE 24 K class	24 K class	ε	25.1	200	0.5	0.10	350	0.35	0.863		1.393	1.393	9.033
-	RE-BAR	10-10,12	;;	0.863	1.093	200	0/0/3		1100	906		25691	3.569	20.762
		D-25	ŧŧ	1.798	3.569	0.671	4.446	0.071	1/00	1,130			1000	0 0
	FORM		3,	50.3	86.3	28.3	101.2	28.3	28.3	47.6		84	93.3	077.0
n rid c		SPEC	LIND					1				1	19	2
	A 920 0	7	8	8	16	7	16	4	4	20		2	2	3
-		NUMBER	2		4	1150	13 50	10.50	10,50	10.50	:	11.50	11.50	102.5
L. Shagari		Unit Length	ε	<u>.</u>		200			000	2100		1840	184.0	1292.0
		Σ Length	6	184.0	184.0	90.00	2100		25.25			9	16	77
ertege 7. d	Ø 350-B	Number	20	12								2	11.50	39.50
w-c.x=		Unit Length	æ	16.5				_				1870	1840	5680
2. W		7 Length	ε	198.0									2	2
	9	N. mber	Ę		161	7	24	4	4					20
		i composi	2		11 50	51.50	13.50	10.50	10.50					57.50
		Unit Length	E		3	00 45			0.27					548.0
		Σ Length	ε		5 401	20.02							-	
3 CUSHIC	3. CUSHION SLAB	SPEC	LIND											
	PERCENCE	CONCRETE 24 K class	ີຍ											
-	RF-BAR	D≤15	#											
54-2- ,		5 > 15	££											
	FORM		Œ											
1														

of Quantity of Substructure(2/9) A. Pre-Ten Girder Bridge

	KAMAL (I	KAMAL (BRANCH) 1/2	/2											ĺ
				1 3X8	BKE 2	BKE 3	BKE 4	BKE 5	BKE 6	BKE 7	BKE 8	BKE 9	BKE 10	SUB
														TOTAL
1. HAMMER HEAD	R HEAD	SPEC	TINO		-									
	CONCRETE 24 K class	24 K class	e.	9.9	14.8	20.9	20.9	20.9	14.8	20.9	7.3	14.8	20.7	165.9
	RE-BAR	D-10.12	*	0.363	0.549	0.768	0	0.768	0.549	0.768	0.287	0.549	0.768	6.137
		D-25	tf	0.697	1017	1.009	1.009	1,009	1.017	1.009	0.523	1.017	1 009	9.316
	FORM		m ²	27.1	36.6	48.6	48.6	48.6	36.6	48.6	21.9	36.6	47.0	400.2
												1		
12. PILE		SPEC	TINO											
	Ø 350-A	Number	ou	8	12	9	9	9	12	9	4	9	12	78
		Unit Length	ε	5.6	10.5	11,50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	119.0
		2 Length	٤	9/	126	0.69	75.0	75.0	150.0	75.0	50.03	75.0	150.0	921.0
	Ø 350-B	Number	92			9	9	9		9	2	9		32
		Unit Length	æ			11.5	12.50	12.50		12.50	12.50	12.50		74.00
		Σ Length	ε			0.69	75.0	75.0		75.0	25.0	75.0		394.0
	Ø 400-B	Number	9											
		Unit Longth	ε											P.CHIC
	,	Z Length	٤									- 2		
						1								
3. CUSHION SLAB	N SLAB	SPEC	UNIT							-				
	CONCRETE 24 K class	24 K class	E		,									
	RE-BAR	0.515	££					-	4 (2)			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		****
		0.>15	ŧť.											
	FORM		m²							;				

Bill of Quantity of Substructure(3/9) A. Pre-Ten Girder Bridge

SPEC UNIT SKE 12 SKE 14 SKE 15 SKE 16 SKE 17 SKE 1	KAMAL	KAMAL (BRANCH) 2/2	7							4	4,5	- 0.0	10201
SPEC UNIT Cancel TOTAL TOTAL				BKE 11	BKE 12	BKE 13	DXF 74	8XE 15	8KE 16	BKE 17	8KE 18	SOS	10171
SPEC UNIT 14.6 35.1 9.8 7.3 7.3 14.6 8.1.9 2.1			2.		Cancel							TOTAL	
TFE 24 K class m³ 14.6 35.1 9.6 9.8 7.3 7.3 14.6 83.9	R HEAD	SPEC	CNIT			and an artist and a second and a							
D-10,12 tf 0,549 0,954 0,363 0,363 0,287 0,287 0,549 2,803 D-25 tf 1,017 1,736 0,697 0,623 1,017 5,195 D-25 tf 1,017 1,736 0,697 0,623 1,017 5,195 A Number no 11,50 11,50 14,50 17,50 17,50 17,50 17,50 17,50 17,50 10,0 10	CONCRET	F	ε	14.6		35.1	9.8	9.6	7.3	7.3	14.6	83.9	249.8
D-25	RE-BAR		*:	0.549		0.954	Ŀ	0.363	0.287	0.287	0.549	2.803	8.94
A Number no 12 8 8 4 12 44 A Number no 11.50 11.50 11.50 17.50 17.50 21.00 21.00 28.00 B Number no 11.50 11.50 11.50 17.50 17.50 20.00 21.00 20.00 B Number no 11.50 11.50 11.50 17.50 20.00 21.00 20.00 B Number no 69.0 11.50 17.50 35.0 35.0 35.0 35.0 B Number no 69.0 10.50 20.0 20.0 20.0 20.0 20.0 20.0 SPEC UNIT no 20.0 20.0 20.0 20.0 20.0 20.0 20.0 D 5.15 tf no		0-25	*-	1.017		1.738		0.697	0.523	0.523	1.017	5.195	14.511
A Number no 11 50 11 50 11 50 17 50 17 50 17 50 17 50 2 44 Lorit Length m 11 50 11 50 11 50 17 50 17 50 17 50 96 S Length m 11 50 11 50 17 50 17 50 10 0 B Number no 690 350 350 1390 Number no 690 350 350 1390 X Length m 12 4 Kolass tf 12 4 Kolass 12 4 Kolass D S 15 tf tf 12 4 Kolass 12 4 Kolass 12 4 Kolass	FORM		ε	35.4		56.2		26.2	21.9	21.9	35.4	187.8	588
UNIT 12 8 8 8 4 4 12 44 n 11.50 11.50 17.50 17.50 17.50 17.50 96 n n 138.0 92.0 116.0 140.0 70.0 70.0 210.0 698.0 n m n 69.0 17.50 17.50 17.50 139.0 n m m 69.0 35.0 35.0 35.0 139.0 u m m m m m m m m m a a a a a a u m m a a a a a u m a a a a a a u m a a a a a a u m a a a a a a													
A Number no 12 44 4 4 4 4 4 4 4 4 4 4 4 4 12 44 4 12 44 4 12 44 6 46 6		SPEC	TINO										
Unit Length m 11.50 11.50 17.50 17.50 17.50 96 Ength m 138.0 92.0 116.0 70.0 210.0 698.0 B Number no 11.50 17.50 17.50 46.50 B Number no 69.0 35.0 35.0 139.0 Unit Length m 69.0 35.0 35.0 139.0 SPEC UNIT m 10.0	1 € 350-A	N	8	12		8	8	8	4	4	12	44	122
E Length m 138.0 92.0 116.0 140.0 70.0 210.0 698.0 1 Unit Length m 1150 1750 1750 46.50 1 S Length m 69.0 35.0 35.0 139.0 1 Unit Length m 69.0 69.0 15.0 139.0 1 SPEC UNIT Clength m 69.0<			٤	11.50		11.50			17.50	17.50	17.50	96	215.00
B Number no 11.50 17.50 17.50 46.50 1 B Number no 69.0 35.0 35.0 139.0 1 B Number no 100 t Length no 139.0 1 1 Unit Length no 100 t Length no <td< td=""><td></td><td>ΣLength</td><td>£</td><td>138.0</td><td></td><td>92.0</td><td></td><td></td><td>70.0</td><td>70.0</td><td>210.0</td><td>698.01</td><td>1619.0</td></td<>		ΣLength	£	138.0		92.0			70.0	70.0	210.0	698.01	1619.0
Unit Length m 11.50 17.50 46.50 1 S Length m 69.0 35.0 139.0 139.0 Unit Length m 139.0 139.0 139.0 139.0 S Length m	9 350-B		8			9			2	2		10	42
Σ Length m 69.0 35.0 139.0 B Number no 35.0 139.0 139.0 Unit Length m Control Control <td></td> <td>Γ</td> <td>٤</td> <td></td> <td></td> <td>11.50</td> <td></td> <td></td> <td>17.50</td> <td>17.50</td> <td></td> <td>46.50</td> <td>120.50</td>		Γ	٤			11.50			17.50	17.50		46.50	120.50
B Number no Unit Length m Σ Length m SPEC UNIT D≤15 tf D>15 tf m³		ΣLength	ε			0.69			35.0	35.0		139.0	533.0
Unit Longth m Σ Length m SPEC UNIT SPEC UNIT D≤15 tf D≤15 tf m² m² m² m² m² m² m² m	Ø 400-B		2					2					
X Length m SPEC UNIT SPEC UNIT DS 15 tf D >			٤										
SPEC UNIT 24 K class m³ D≤15 tf D>15 tf		2 Length	ε										
SPEC UNIT 24 K class m³ D≨15 tf D>15 tf													
TTE 24 K class m³ D≤15 tf D>15 tf	N SLAB	SPEC	TINO			A TOWNSON		-					
tf tf	CONCRET	E 24 K class	8										
D>15 tf	RE-8AR	D 2 15	**										•
		D > 15	£ .										
	FORM		m _s								-		

Bill of Quantity of Substructure(4/9)
A. Pre-Ten Girder Bridge

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	TOTAL			169.4	5.674	10.466	344.1			54	63.50	693.0	42	63.50	549.0			-			18.6	0.741	1.424	63.9
	BTM6	New		14.8	0.549	1.017	38.6			8	12.50	75.0	9	12.50	75.0									14
	BTM 5			37.9	1.406	2.539	82.1	٠.	2 2 20 20 20	10	10.50	105.0	8	10.50	84.0								- T	
	BTM 4			37.9	1.406	2.539	82.1		-	10	11.50	115.0	8	11.50	92.0	·		-			-		•	
	BTM 3			43.3	1,545	2.953	17.77			16	12.50	200.0	18	12.50	100.0	-					18.6	0.741	1.424	63.9
-	BTM 1			35.5	0.768	1.418	65.6			12	16.50	198.0	12	16.50	198.0				7					
			CNIT	ິຍ	ft	تد	m ²		I NO	2	E	٤	2	E	E	ပ	æ	ε		UNIT	, w	tt.		m ²
NN 1/1			SPEC	24 K class	D-10,12	D-25			SPEC	Number	Unit Length	2 Length	Number	Unit Length	2 Length	Number	Unit Longth	2 Length		SPEC	24 K class	D.\$ 15	D > 15	
TANJUNGAN 1/1			HAMMER HEAD	CONCRETE 24 K class	RE-BAR		FORM			Ø 350-A	<u> </u>		Ø 350-B	Γ		Ø 400-B				N SLAB	CONCRETE 24 K class	RE-BAR		FORM
			1. HAMMEI						2. PILE											3. CUSHION SLAB				

Bill of Quantity of Substructure(5/9) A. Pre-Ten Girder Bridge

					-				-				-	-							-					
				:														_								
			-																						-	
												-	-		-	-										
	TOTAL			0.0	0	0	0		0	0.0	00		+					-				0	0	0	0.0	
	BNM 4	Change		-				***********				-	†				•	**		-	1					
L	BNM 3									-	ļ-															
	BNM 2	Change	H .								-	+								-	+				-	
	DNW 1	1	1								T	†						-			†					
			LINI	٦	1	35	ξ.	LNS	g	ε	1	E	2	٤	٤	٤	٤			1141		Ë	ŧŧ		3,	
PIK JUNCTION (BNM)			SPEC	24 1/ 0/200	D-1012	0-25		SPEC	Nimber	I fait I anoth	111111111111111111111111111111111111111	2 Length	Number	Unit Length	7 length	Nimber	loit Loomb	79777	Z cengo	VIC.	אַנגע	24 K class	0515	0 > 15	Ž.,	
PIK JUNC'			CADO	Sele V Ac Brack	DC-BAB		Maca		4-05€			1	Ø 350−B			a -007 e				4:10	2002	CONCRETE	_		MACH	
			O A DU GOLANA V		es.P	:		u iā c	- 1												3. CUSHION SLAB					

6.2-15

Bill of Quantity of Substructure(6/9) A. Pre-Ten Girder Bridge

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	CENGKAR	CENGKARENG 1/2												
				BCM 1	BCM 2	BCM 3	BCM 4	BCM 5	BCM 6	BCM 7	BCM 8	BCM 9	BCM 10	SUB
				Cancel							~~			TOTAL
1. HAMM	HAMMER HEAD	SPEC	LIND											
	CONCRETE 24 K class		٦		29.4	14.8	5.6	20.6	20.6	5.8	5.6	5.6	20.0	127.8
	RE-BAR	D-10,12	\$		1.05	0.532	0.225	0.724	0.724	0.225	0.225	0.225	0.724	4.654
		D-25	ţ.		1.813	0.966	0.375	1,305	1.305	0.375	0.375	0.375	1.305	8.194
	FORM		e E		63.6	36.2	18.7	47.2	43.8	18.7	18.7	18.7	43.8	309.4
														-
2. PILE		SPEC	UNIT						-				-	
	Ø 350-A	Number	2		16	8	4	12	12	4	4	4	4	68
		Unit Length	٤		6.50	6.50	7.50	8.5	10.5	7.50	7.50	7.50	9.5	71.5
-0		2 Length	E		104.0	52.0	30.0	102.0	126.0	30.0	30.0	30.0	114.0	618.0
	Ø 350−B	Number	no											
****		Unit Longth	ε											***
-aparet-		ΣLength	æ							•			_	
	<i>⊕</i> 400−B	Number	no										-	40
pęstaże		Unit Length	ε										_	M/12
		2 Length	٤			.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						~~	_	-2-7
						1.1			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
3. CUSHI	3. CUSHION SLAB	SPEC	LINIT											-
	CONCRETE 24 K class	24 K class	m ³											Salpatany as
	RE-BAR	0≤15	tf							: : :	27			
		D > 15	tf											
	FORM		m²											

Bill of Quantity of Substructure(7/9) A. Pre-Ten Girder Bridge

	CENGKARENG 2/2	ENG 2/2						4					TOTAL
				BCM 11	8CM 12	BCM 13	8CM 14	SUB				1	
								TOTAL					
CANALOD URAD	0.000	CEC	FINIT										
יייייייייייייייייייייייייייייייייייייי	מלים ע		,	2 46	036	100	0 81	9901					234.7
	CONCRETE 24 K class	24 K class	ε	2	6.00	2000						_	9.024
	RE-BAR	D-10,12	#	55.	55.1								15.52
		0-25	#	2.253	2.253	066.0	1.83	4.326			+	- - -	200
	FORM		~ E	72.2	72.2	45.1	54.4	243.9					555.5
												-	Ī
u iõ		SPFC	LINS										
	10 350-4	Nimber	٤	16	16	8	12	52					120
		I Init I enoth	٤	9.50	8.50	7.50	8.5	34.0					105.5
		2 Length	ε	152.0	136.0	60.0	102.0	450.0					3
	Ø 350-B	Numbor	ပို				9						
		Unit Length	æ										
		2 Longth	3										
	θ 400-B	Number	ဋ										
		Unit Length	Ε				:					- -	
		∑ Length	ε								-		
3 CUSHION SLAB	N SLAB	SPEC	LIND			1	71.50 m West	_					
	CONCRETE 24 K class	24 K class	3	21.4	21.4	* * * * * * * * * * * * * * * * * * * *		42.8					42.8
	BE-BAR	10 < 15	#	0.0854	0.0854			0.1708					0.1708
		0 > 15	¥.	2.558	2.558			5.116					5.116
	7000		3.5	73.0				146	•				146
	יאטטיו		<u> </u>	3.3.									

Bill of Quantity of Substructure(8/9) A. Pre-Ten Girder Bridge

	GEDE/80R 1/1	2 1/1						,	0:00	100	0 M20	o MOG	Of MOR	TOTAL
				BGM 1	BGM 2	BGM 3	BGM 4	BGM: 5	o Woo	ב ב ב	0 200	2		
						N 1 1								
1 114440	C < U > 0	CHES	Į.							1				
יייייייייייייייייייייייייייייייייייייי	מאשטע	2		700	706	57	306	14.8	14.8	14.8	20.6	20.6	7.9	178.6
204	CONCRETE 24 X class	24 X Class	E :	1050	10.50	02251	0.724	0.532	0.532	0.532	0.724	0.724	0.302	25.295
	אנו-מאנ מ-מאנו	20.00	3 4	1 813		0375	1,305	0.966	0.966	0.966	1 305	1.305	0.483	11.297
	nava.	27-2	7	63.6	:-	19.4	47.2	36.2	36.2	36.2	47.2	47.2	27.1	423.9
	L COM													
u io c		SPEC	LINU									1	†	,
	Δ-0-20-Φ	Nimber	g	16	16	4	12	8	8	8	12	121	7	3
	3	Harry Carlot		50	9.5	9.5	9.5	105	105	105	10.5	10.5	3.5	382.5
		כשור בפווארים		1500	1500	380	1140	84.0	84.0	84.0	126.0	126.0	34.0	994.0
		2 Length	E	132.0	25.5	2								nandi
	Ø 350−B	Number	٤											
p Jamp Pil		Unit Length	£			- 1								
		Z Length	8											
	Ø 400−B	Number	00	:										
~~		Unit Length	Ε					-						
		2 Length	E											
	N. C. AD	J300	TIMI					:						
S. COSTION SCA	100 ST		-											
	CONCRETE 24 h class	24 A Class	E .											
	RE-BAR	0515	5											
rad-ulai		0 > 15	Ť.											
· ·	FORM		m ₂											

Bill of Quantity of Substructure (9/9) Pre-Ten Girder Bridge

מיסיים		ĺ		3 4 1 HIG	CNW 1 +0.4	BCM 1 to14	BGM 1 to 10	20	CKAND
		BKK 1 to 11	5KE 1 to 18	000				01	TOTAL
SPEC	LINS								1.2
20.00	7.	262 2	249.8	169. 4		234. 7	178.0		330 23
45 V C. 45	ļ	520 6				9.024	25. 295		27. 300
10, 12		3. 030		10 466		15, 52	11. 297		72. 556
0-25	į,	70. /62	ř			6 633	423 9		2456.9
	32	547.6	588	344.1		,] - 	
2365	1135						8.	-	8
	8	9	122	54		120	3		050
		36 201	2.5	63.5		105. 5	382.5		3
COLT LONGEN	É					1068	994	~	2000
2 Length	E	7671							128
Number	u	44							223. 5
Unit Length	E	39. 5	12					 	1648
7 anoth	ε	568	533	549				_	S
The state of the s	٤	52	2		11 11 11 11				12
lbit langth		57.5	21						
S I anoth	E	548	6					-	
			•					+	
1	* 1401								
22.00	5			8.81		42.8			61.4
24 K class	€			200		0,1708			0 9118
0515	. t f			5		3,5			8
0 > 15	££			1.424		3. 110			18
	î			0 68		146			203. J

6.2-19.

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APPROACH ROAD
COMMON ITEM (1/14)
Table BILL OF QUANTITY (ITEM NO 4.3,03,04,05,06)

1

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	KAMAL	KAMAL (MAIN)										Í					-
io oz	-	2		m	_	4		-				,				<u> </u> _	
				g		Road					3	B/Q Item					e soot
	5	WAR) E	0.50	Main	Branch		Z 2003 3	<u> </u>	N004		No05		98 2	7	-temp
o Source	; . ر			·)	12	L-2	SUML	A1	A1-L	82	A2"L	£	7.5	A3	A3.t	इ
BXM 1	<u></u>	3.7	≥ 7	1.373	0.687	73.03	30.51	103.54	4.86	482.50	11.87	1229.02		0.00	0.58	60.05	
	8	<u> </u>											1	1		+	
	ω.	(7.0) II/III 9.60 -2	11/111	1.797	0.899	60.51	139.53	200.04	4.86	972.19	13.87	2774.55		800	0.00	180.04	
i	<u> </u>	,	2.50	2.13	1.065		9.00	00.6	5.31	47.79	18.67	168.03		0.0	0.54	4.89	
BKW	(SK)	9.60 -2	10/111	1.159		135.60		135.60	4.57	619.69	10.67	1446.85		000	0.46	62.38	
SKW 6	<u>a</u>	2.50		1.569	0.785		6.40	6.40	4.86	31.10	13.33	85.31		0.00	69.7	30.02	
		2.50		2.087	1.0:4		8.40	8.40	5.14	43.18	17.33	145.57		00.00	5.14	43.18	
	a	21 - 09:7	<u>},</u>	2.106	1.053	86.80		86.80	5.14	446.15	17.30	1501.64		0.00	1.20	104.16	
BKW 9	a.	2.5	2.50	1,575	0.788			0.00	5.03	00.0	13.33	8.		0.00	4.57	000	
3KM 10 B	80	(7.0)	(7.0) 11/111 9.60 -2	1.832	0.916	263.50		263.50	4.86	1280,61	14.00	3689.00		00.0	8	263.50	
SKW 11 B	ထ	9.6	(7.0) 11/111 9.60 -2	1,127	0,714	321.10		321.10	4.69	1505.96	12.00	3853.20		00.00	0.67	215.14	

APPROACH ROAD
COMMON ITEM (2/14)
Table BILL OF QUANTITY (ITEM NO 4.3,03,04,05,06)
KAMAL(BRANCH)

	3	大をなるに、のスタンでは、		;												
No or		2	3								\$					l
			Gao		Road						B/Q Item					
Bridge	ပ္ပ	Width	J	0.5.0	Main	Branch		No03		N004		NoOS		No06		&
)					1-1	۲-2	SUML	٧	A1-L	8	A2"L	ī	H.:	83	A3.L	_
BKE 1	m	3.00 -5	1,742	0.871	77.42		77.42	4.86	376.26	14.40	1114.85		0.00	0.87	67.36	
BKE 2		∧i 0.5	1,530	0.765	76.00	188.65	264.65	4.80	1270.32	12.53	3316.06		0.00	0.70	185.26	
BKE 3	(SK)	VIVIN 6.60 -3	1,393	769.0	86.51	:	86.51	12.7	412.65	12.00	1038.12	2	00.00	09.0	16.18	
SKE 4	8	111/1V 6.60 -3	1.829	0.915	108.31		108.31	4.86	526.39	14.67	1588.91		0.00	0.92	99.65	
BKE 5	8	11/1/V 6.60 -3	1.849	0.925	103.14	\$0.29	153.43	4.86	745.67	14.67	2250.82		0.00	0.94	144.22	}
9 EXE	83	1- (S) +	1.852	0.926	92.98	85.86	178.84	4.86	869.16	14.67	2623.58		0.00	0.94	168.11	_
BKE 7	<u>m</u>	VI/III/V 6.60 -3	2.011	900:	189.21	100.28	289.49	5.14	1487.98	15.74	4556.57		00.00	0.07	20.26	[
BKE 8	<u> </u>	2.50	1.854	0.927		7.40	7.40	4.86	35.96	14.68	108.63		00.0	0.49	3,60	
BKE 9	8	1.00.1	1,543	277.0	77.58	34.29	111.87	4.80	536.98	13.07	1462.14		0.00	0.71	79.43	
BKE 10		VI/III 6,60 -3	1.832	0.916	171.68	100.28	271.96	4.86	1321.73	14.67	3989.65		00.0	0.92	250.20	
BKE 11	ထ	1.00.±	1.427	0.714	94.11	67.42	161.53	4.71	760.81	12.00	1938.36	:	00.0	0.62	100.15	

APPROACH ROAD
COMMON ITEM (2/14)
Table BILL OF QUANTITY (ITEM NO 4.3, 03,04,05,06)

No of :	_	2		3.		4						S					
			Csp		**	Road						B/Q Item					
Bridge	FC	Width	Ĺ	0	0.5.0	Main	Branch		No03		ZOON NOON		No05		900N		Rema-
				-	L	2	1:2	SUML	A1	A1"L	A2	A2.L	H1	H1"L	A3	A3.1	55
9KF 17 B	α	8 20 -1		1 4%	0.748			00.0		00.0		8.0		8		8.0	1507-16442B
8 71 3/18	a	VIUII	<u> </u>	87.	700	9 69		07 63	4.57	285 17	97 11	715 10		8	0.50	31.20	
BKE 12	<u>) </u>	3.00-5		2.204	102	93.80	79.70	173.50	5.14	891.79	18.67	3239.25		00.0	1.37	237.70	
BKE 15 B	80	3.00-5		2.131	1.066	87.36		87.36	5.09	1	17.33	1513.95		0.00	1.23	107.45	
BKE 16 P	<u>a</u>	2.50		2.164	1.082		4.30	4.30	\$.09	21.89	17.87	76.84	1 :	0.00	5.43	23.35	
BKE 17 P	a	2.50		80.	0.950		3.80	3.80	4.86	18.47	14,80	56.24		0.00	78.4	18.47	
BKE 18 B	<u>a</u>	71 09:4	1	2.148	1,074	87.73		87.73	5.14	450.93	18.13	1590.54		0.00	1.23	107.91	e necha lo im
(Š) BKE 19 B	(<u>%</u> 8	VI 00.1							•								Maist Cha
(SI BKE 20 8	(SL)	1.60-1	•				 										AND THE REAL PROPERTY AND THE PERSON NAMED IN COLUMN TWO IN COLUMN TO THE PERSON NAMED IN COLUMN

APPROACH ROAD COMMON ITEM (4/14) Table BILL OF QUANTITY (ITEM NO 4,3,03,04,05,06) TANJUNGAN

No of		~		3		7						\$					
				Gap		Road						B/O Item		-			±.9-0
Bridge	ပ္ပ	Width			0.5.0	Main	Branch		No03	-	N004		No05		N006		Rema-
)	:		-			3	2-5	SUMIL	Αí	A1.L	A2	A2-L	Ŧ	H1.L	2	A3-1	rks
8 XT8	æ	6.60-3	111/1V -3	1.968	0.984			00.0	4.86	0.00	15.20	0.00		00.0	1.07	0.00	
BTM 2	₹ Z							00.00		0.00		0.00		00.0		0.00	CO DESIGN
BTM 3	ω	(8.00) 1 10.60 -2	7	1.945	0.973	166.93	46.25	213.18	4.86	1036.05	15.20	3240.34		0.00	0.:	213.18	
BTM 4	a	12.20 -3	11 -3	2.065	1.033	68'89		68.93	5.14	354.30	15.86	1093.23		0.0	1.20	82.72	eura neats
87M S	SK) 80	12.20-3	= T	2.023	1.012	£7°29		67,43	5.00	337.15	15.60	1051.91	;	0.00	1.13	76.20	
;	אנא זהנ	FIK JUNCI ION															
No of	-	2.		3		*						γ					
				Gap		Road						B/O Item					
Bridge	ပ္ပ	Width			0.5°G	Main	Branch		No03 ·		N004		Ne05		N006		Rema-
)	:					3	1.2	SUML	A1	A1"L	A2	75¥	Ξ	H. H.	ध	A3-L	ş
BNN 1	8	8.20	8.20 -1	1 762	188.0					. :							
BNN 2	83	VI 1- 09.±	<u>}\</u>	1.483	0.742												and the second second second
BNW 3	83	VI VI 05.4	<u>^1</u>	2.426	1.213												The Branch of
			-						ĺ								

APPROACH ROAD
COMMON ITEM (5/14)
Table BILL OF QUANTITY (ITEM NO 4,3,03,04,05,06)
SALURAN CENGKARENG

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	SALC	SALURAN CENGRARENG	2000					İ									
	-	2		2	-	4		-	1			^					Ĩ
			١	Gao		Road						B/Q Item					
Bridge	Ų.	Width	ل	J	0.5.0	Main	Branch		Noo3		N604		Noos		900N		Кста-
0	·					2	1.2	SUML	A1	A17L	A2	A2*L	Ŧ	H1"L	A3	15	ž,
 80 80	80	-7 II/III 9.60 -2	=	8.	0.52	114.60		:14.60	4.57	523.72	9.60	1100.16		0.0	0.33	37.82	
BCM 2	က	11/11 (00. <i>t</i>) 9.60-3		1.941	0.971	181.58	97.05	278.63	4.97	1384.79	14.93	4159.95		0.0	8	278.63	1
	<u></u>	VI 05.£		1.544	0.772	77.20		77.20	4.86	375.19	12.80	988.16		0.00	0.77	59.44	e proposition (chi
SCM 4	<u>a.</u>	2.50		1.376	889.0		5.60	5.60	4.80	26.88	12.00	67.20		0.00	4,49	25.14	
BCM 5	ø	V/VIII 6.60 -3	≥	1.412	0.706	63.30	150.38	213.68	4.80	1025.66	12.00	2564.16		0.00	0.57	121.80	
v	m	0.60 -3	>	1.801	0.901	\$0.05	45.03	135.08	8.00	675.40	14.67	1981.62		00.0	0.93	125.62	
ı	<u>a.</u>	2.50		2 564	1,282		10.40	10.40	5.66	58.86	24.00	249.60		0.00	6.28	65.31	
80 80 80 80	a	2.50		2.103	1.052		8.40	8.40	5.14	43.18	16.00	134.40		0.00	5.09	42.76	
BCM 9	۵	2.50		2.596	1.298		10.40	10.40	5.71	59.38	25.33	263.43		0.00	6.43	66.87	
BCM 10 B	80	VIVII 6.60 -3	≥	2.307	1.154	107.67	53.83	161.50	5.37	867.26	20.27	3273.61		0.00	1.47	237.41	
BCM 11	m	12.20 -3		0.973	0.487	77.84	38.92	116.76	4.51	526.59	9.33	1089.37		00.0	0.30	35.03	
BCM 12	<u></u>	12.20 -3		2.351	1.176	77.84		77.84	5.37	418.00	20.00	1556.80		0.00	1.52	118.32	
BCM 13	B	11/111 8.20[-1	11	0.846	0.423	56.40		56.40	4.50	253.80	9.07	\$11.55		00.00	0.30	16.92	
BCM 14	æ	117/11 (00.7) 9.60 -3	11	0.828	0,414	\$5.20	27.60	82.80	4.50	372.60	9.07	751.00		0.00	0.30	24.84	

0 0.92 159.80

	APPRO	APPROACH ROAD COMMON ITEM (6/14)	(6/14)													
	Table Table	Table BILL OF QUANTITY (ITEM NO 4.3, 03,04,05,06)	UANTITY	(ITEM N	0.4.3 ,03,0	(90'50'7	:									
, JO 0(4)		,	3		4						5					
			1		Road						8/Q Item					
207.00	Ĺ	Width	1	0.50	Main	Branch		N803		760 20		N605		No06		Rema-
	ر 			•	3	1.2	SUM L	A1	A11	A2	A2-L	Ŧ	H1".	A3	A3"L	æ
BGM 1	Ø	(7.00) 11/111	0.50	0.25	114,60		114.60	4.28	490.49	8.00	916.80		0.00	0.20	22.92	
۱	_ α	9.60 -2	1.01		114.60	57.30	171.90	4.57	785.58	10.40	1787.76		0.00	0.33	\$6.73	
		2.50	1.91	0.96	64.59	3.80	68,30	4.86	331.94	15.73	1074.36		8	4,86	331.94	
	တ	VI/III 6.60 -3	2.89	1.44	58.13	52.13	110.26	5.83	642.82	29.60	3263.70		0.00	2.13	234.85	
٧	ω.	↑1. 1-09;÷	2.88	1,44	88.00	51.94	139.94	5.71	799 06	29.33	4104.44	Ì	00.00	2.13	298.07	
	<u>a</u>	<u>}1</u> 09;7	2.23	1.12	3.00	72.80	75.80	5.26	398.71	18.67	1415.19		000	1.39	105,36	
1	<u> </u>	≥1-09/ †	2.32	1.16	38.50	45.80	84.30	5.29	445.95	20.27	1708.76		0.00	1.25	105.38	
	<u>a</u>	VI/III 6.60 -3	1.75	\$8.0	86.00	87.70	173.70	5.06	878.92	13.33	2315.42		0.00	0.92	159.80	١
i	<u></u>	6.60 -3	2.15	1	111.63	103.73	215.38	5.14	1106.95	17.07	3676.20		0.00	1.29	277.81	
	ற	3.50-5	2.20	1.10		44.41	144.23	5.31	765.86	18.00	2596.14		0.00	1,32	190.38	
3GM 11	m	VI 05.4														
BCM 12 B	8	8.20 -1														

APPROACH ROAD
COMMON ITEM (7/14)
Table BILL OF QUANTITY (ITEM NO 4.3,03,04,05,06)
GEDFRORMBANCH

	วาว	GEDE/BOR(BRANCH)	ر ا	`													PG
No of :		7		3		7						۱					DE PE
				Gap		Road				1	-	B/Q Item					A. Pan
Bridge		Width		ပ	0.5°G	Main	Branch		No03		NO0.4		No05		No06		Rema-
9						5	1-2	SUMIL	A1	A1-L	A2 A2"L	A2"L	£	Hil	£5	A3.t	ş
8CA - 1 N/A	X																
1/2	1,5																
4 500	2	-															

												ľ					
No or		2		m		**											
				Gao		Road				:		B/O Item					
Bridge	ري	Width	:	ı	0.5*6	Main	Branch		ZOO3		N904		Noos		No06		Rema-
						1-3	1.2	SUML	A1	A1-L	82	A2.L	£	H1°L	A3	A3.L	ફ
BWW 1	O _Z				: :												
	(SL)		9 iiXOviiL													7	
BMM 3	(S) 81	9.6 úM	≥			24))		
BMM 4	(St.)	Min 6	×								. 300		Š				. [
	S) B	7.5 úM	\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\														
	(SL)	7.5 uM	>														
	U	7.5 uM	×														
1	ပ	7.5 úM	≥	,													
	ပ	7.5 WM	Ž			•											

APPROACH ROAD
COMMON ITEM(\$/14)

•	
•	
BILL OF QUANTITY (ITEM NO 4.3,07,08,09,10,11)	
Table BILL O	CALLAS ASSING

-	MANAL (MANIE)	לומוזייו)															435
No of :		7	3		4						,						
			Sao		Road					-	B/O item					-	anora
Bodoe	ري	Width		0.50	Main	Branch		700N	-	Noos		000N		Noto		i o	- d
	,			<u> </u>	3	L-2	SUMIL	A4	A4.1	H2	H2.L	유	H3-L	×	킿	킪	rks
BKW 1 B	60	71 09:1	1,373	0.687	73.03	30.51	103.54	0.21	21.74	3.00	310.62	0.41	42.45	0.39	40.38	207.08	
BKW 2	82														1	†	
1	8	(7.0) 11/1111	1.797	0.899	60.51	139.53	200.04	0.29	58.01	8	800.16	0.59	118.02	0.45	20.02	\$0.00°	
	a	2.50	2.13	1.065	:	9.00	9.00	0.37	3.33	37.14	334.26	0.67	6.03	0.53	4.77	18.00	202
	(SK)	(7.0) U/III 9.60 -2	1.159	0.580	135.60		135.60	0.16	21.70	4.70	637.32	0.43	58,31	0.38	51,53	271.20	
	<u>a</u>	2.50	1.569	0.785		6.40	6.40	0.25	1.60	26.86	171.90	0.53	3,39	0.38	2.43	12.80	
	a	2.50	2.087	1.044		8.40	3.40	0.35	2.94	34.29	288.04	0.67	5.63	0.53	5.45	16.80	
•	മ	VI 0.4.	2.106	1.053	86.80		86.80	0.37	32.12	4.60	399.28	0.67	58.16	0.53	46.00	173.60	
®KW %		2.50	1.575	0.788			0.00	0 24	00.0	25.71	0.0	0.53	000	0.43	00.00	0.00	
BKM 10 B	m	(7.0) 11/111 9.60 -2	1.832	0.916	263.50		263.50	0.31	81.69	8.4	1054.00	0.63	166.01	0.47	123.85	\$27.00	
BKM 11 B	_ m	(7.0) U/III 9.60 -2	1,427	0.714	321.10		321.10	0.21	67.43	5.10	1637.61	0.49	157.34	0.38	122.02	642.20	

APPROACH ROAD
COMMON ITEM(9/14)
Table BILL OF QUANTITY (ITEM NO 4.3,07,08,09,10,11)
KAMAL(BRANCH)

8

	3	יווייייייייייייייייייייייייייייייייייי															
900		2	3		- ≱		-				^						
			Gap		Road			·: -			8/Q Item						HA POR
Bridge	J.	Width	ļ.,	0.50	Main	Branch		No07		Noos		No09		S036		 2 2	Rema-
)					7	L-2	SUML	A4	A4"L	. H2	H2"L	H3	H3.F	×	Ϋ́	2.L	Ş
BKE -		3.00-5	1.742	178.0	77.42	·.	77.42	0.27	20.90	3.80	294.20	0.57	14 13	0.44	31.06	154.84	
BKE 2	<u>as</u>	<u>√1</u> (60 -1	1.530	0.765	76.00	188,65	264.65	0.25	90'19	3.30	873.35	5.30	1402.65	0.43	113.80	\$29.30	
BKE 3	(XS) 8	VIVII 6.60-3	1.393	0.697	18'98		86.51	0.21	18.17	2.60	224.93	0.48	11.52	0.38	32.87	173.02	
SKE 4	gs.	11UIV 6.60 -3	1.829	0.915	108,31		108.31	0.32	34.66	4.00	433.24	0.59	63.90	0.44	27.66	216.62	
BKE 5	<u>s</u>	717.1V 6.60 -3	1.849	0.925	103.14	50.29	153.43	0.32	49.10	4.03	618.32	09'0	92.06	0.41	67.51	306.86	
BKE 6	_ m	1.60 -1	1.852	0.926	92.98	85.86	178.84	0.32	57.23	4.04	722.51	0.60	107.30	0,44	78.69	357.68	
SKE 1	ø	11U1V 6.60 -3	2.011	1.006	189.21	100.28	289.49	0.35	101.32	4.40	1273.76	19'0	185.27	61.0	141.85	578.98	
BKE 8	8	2.50	1,854	0.927		7.40	7.40	0.32	2.37	30.86	228.36	09.0	44	0.44	3.26	14.80	
BKE 9	<u></u>	VI 4.60-1	1,543	0.772	85.77	34.29	111.87	0.25	27.97	3.40	380.36	0.53	59.29	0.43	13.10	223.74	
eke 10	ற	V.7.111 6.60-3	1.832	9160	171.68	100.28	271.96	0.32	87.03	4.00	1087.84	0.59	160.46	0.44	119.66	543.92	
BKE 11	т	1.60 -1	1.427	0.714	11.76	67.42	161.53	0.230		3,100		0.510		0.410			

APPROACH ROAD
COMMON ITEM(10/14)
Table BILL OF QUANTITY (ITEM NO 4.3,07,08,09,10,11)

											1						
No of	L	7	<u>ر</u>		7												Ī
	-		Gao		Road						B/Q Item						en.
00000	ر	Width	ŀ	0.50	Main	Branch		N007		N008		000N		No10	1		Rema-
, S	,			-1 -	3	۲-5	SUML	A4	A4".	42	H2"L	£	H3•L	×	호	킪	S.
	<u> </u> 	VIVIII						:			****						
3KE 12	m	8.20 -1	1.4%	0.748					7		1					+	
BXE 13		111/AV 8.20 -1	1.248	0.624	62.40		62.40	0.19	11.86	2.73	170,35	0.48	29.95	0.38	23.71	124.80	
BKF 14		3.00 -S	2.204	1.102	93.80	79.70	173,50	0.37	64.20	4.80	832.80	0.71	123.19	0.55	95.43	347.00	
BXE 15		3 00 S	2.131	300°.	87.36		87.36	0.37	32.32	4.65	406.22	0.67	58.53	0.53	+6.30	174.72	al desire
9KF 16	<u>a</u>	2.50	2.164	1.082		4.30	4.30	0.37	1.59	36.57	157.25	800	2.97	0.53	2.28	8.60	
BKE 17	<u>a.</u>	2.50	1.900	0.950		3.80	3.80	0.33	1,25	30.29	115.10	0.63	2.39	0.45	-2	3.6	
BKE 18 B	a	VI 1- 09.4	2.148	1.074	87.73		87.73	0.37	32.46	4,68	410.58	0.67	58.78	75.0	47.37	175.46	
SKE 19 B	(7 <u>S)</u>	71 1.60 -1	•			1						,					
BKE 20 B	(SL)	1.60 ±	•														

APPROACH ROAD
COMMON ITEM(11/14)
Take bill of Quantity (ITEM NO 4.3,07,08,09,10,11)
TANJUNGAN

,,000	-	Ĺ		3		4						s.						
												0.0 frem					-	
				CBO	-	708C						מול זוכור				l		1
Brake	7	Width	٠.	S	0.50	Main	Branch		No07		200Z		No0.		Noto		2	Rema-
	1					7	7-7	SUML	A4	A4"L	Н2	H2.r	유	H3.L	×	š	깄	rks
BTM 1	m	6.60-3	111/1V	1.968	0.984			00:00	0.35	00:0	4.36	00'0	0.64	0.00	0,64	8	8.0	
BTM 2 N/A	\ <u>\</u>							00:00		0.00		0.0		0.00		8.0	8	
BTM 3 B	æ	(8.00) 1 10.60 -2	1.2	1.945	1.945 0.973	166.93	46.25	213.18	0.33	70.35	4.27	910.28	0.63	134.30	79.0	136.44	426.36	
BTM 4	8	11,20 -3	= <u>;</u>	2.065	1.033	68.93		68.93	0.35	24.13	4.60	317.08	99.0	45.49	0.49	33.78	137.86	
em s	SK) B	12.20 -3	= ?	2.023	1.012	67.43		67.43	0,34	22.93	4.47	301.41	+9.0	13.16	0.47	31.69	134.86	

•	5	TIP TOTAL TOTAL															
Jo on		2	3		4		:				\$						
			Gab		Road						B/Q Item		. :				****
Bridge FC	5.	Width	0.5.0	0.5.0	Main	Branch		No07		NoO8		No09		No10		Z i o	Renua-
,	 !				1-3	L-2	SUME	A4 .	A4.	Н2	H2.L	H3	H3-L	¥	ž	<u></u>	zg
a · You	σ	11/111	1 762	1 762 0 881													
	,	-1-															nza-de
8NM 2 8	æ	1.60-1		1,483 0,742				i									
g 2 7440	þ	VI 1V	7.276	2161 9676					- 1 - 1 - 1		:						eres de la constante de la con
C INING	1	1 00:1	7														
BNM + B	00	12.20 -1	1.802	1.802 0.901													

APPROACH ROAD
COMMON ITEM(12/14)
Table BILL OF QUANTITY (ITEM NO 4,3,07,08,09,10,11)
SALURAN CENGKARENG

	2			ľ		ŀ						5					i	e leve
10 o.		2	1	٦	1	3		1									r	
				Gap		Road					1	B/O Item			0.54		10,7	e c
Bridge	S.	Width	4		0.5.0	Main	Branch		No07		N008	-	S000		2502	Ţ	5	
0	,			!	-	2	7-7	SUML	A4	A4-L	742	H2.1	£	H3.4	×	ž	킪	হ
28 80	gr.	9,60-2	2	101	0.52	114.60		114.60	0.14	16.04	2.40	275.04	0.41	46.99	0.36	41.26	229.20	
		1/1! (00.7) 1.41 (00.7)	1M11 -3	1.941	0.971	181.58	97.05	278.63	0.32	89.16	4.13	1150.74	0.62	172.75	0.5	125.38	557.26	
BCM 3 B	8	7.60.1	≥ 7	1,544	0.772	77.20		77.20	0.25	19.30	3.33	257.08	0.53	40.92	0.43	33.20	154,40	
BCM	۵	2.50		1.376			5.60	5.60	0.21	1.18	24.57	137.59	0,49	2.74	0.39	2.18	11.20	
	<u>a</u>	6.60	univ 3	1.412	0.706	63.30	150.38	213.68	0.22	47.01	3.00	641.04	0.50	106.84	0.39	83,34	427.36	
BCM 6		6.60	IIIVIV -3	1.801	0.901	\$0.05	45.03	135.08	0.31	41.87	8:	\$40.32	0,60	81.05	77.0	59.44	270.16	
8CM 7	<u>a</u>	2.50		2.564	1.282		10.40	10.40	0.45	4.68	48.00	499.20	0.77	8.01	0.69	7.18	20.80	
S X		2.50		2,103	1		8.40	8.40	25.0	3.11	33.14	278.38	0.53	4.45	0.45	3.78	16.80	
BCM 9		2.50		2.5%	1		10.40	10.40	0.48	4.99	48.00	499.20	0.77	8.01	0.0	7.18	70.80	
BCM 10	<u></u>	6.60-3	timV -3	2.307	1.154	107.67	53.83	161.50	0.40	64.60	4.36	801.04	0.71	114.67	19'0	98.52	323.00	
BCM 11	Ø	12.20 -3		0.973	0.487	77.84	38.92	116.76	0.13	15.18	2.07	241.69	0.40	46.70	0.35	40.87	233,52	
BCM 12		12.20 -3	3	2.351	1.176	77.84		77.84	0.40	31.14	5.17	402.43	0.71	55.27	0.63	49.04	155.68	
BCM 13		11/ 8.20 -1	11/111 -1	0.846	0.423	56.40		56,40	0.13	7.33	1.97	111.11	0.37	20.87	0,31	17.48	112.80	
BCN 14	9	[/]] (00.7) 5- 09.6	11/111 -3	0.828	0.414	55.20	27.60	82.80	0.13	10.76	1.97	163.12	0.37	30.64	0.31	25.67	165.60	

APPROACH ROAD
COMMON ITEM(13/14)
Table BILL OF QUANTITY (ITEM NO 4.3,07,08,09,10,11)
GEDE/BOR

	STORY STORY	2															
No of		2		3	7						5						
			Gap		Road						B/Q Item						- (***,****)
Bridge	FC	Width	ی	0.5°C	Main	Branch		No07		No08		No09		Noto		No!	Rema-
)					1-1	1.2	SUML	A4	A4"L	Н2	H2"L	H3	H3*L	¥	Ž.	<u>"</u>	શ
2	۰	11/111 (00.7)	005	0,00	0771		114.60	800	6 17	07.0	80 22	0.29	33.23	0,30	34,38	229.20	
300		(7.00)		1				3									
BGM 2	ည		1.014	1 0.507	114.60	57.30	171.90	0.13	22.35	2.20	378.18	0,40	68.76	0.37	63.60	343.80	
8GK 3	a	2.50	216.1	0.956	05.49	3.80	68.30		0.0	31,14	2126.86		0.00	0.50	34.15	136.60	
-,	g.	V1/111 5- 09-5	2,885	1 77.	58 13	52.13	110.26	0.53	58.44	6.20	683.61	0.85	93.72	0.74	81.59	220.52	
1	ω	1.60 ±	2.875	1	88.00	51.94	139.94	0.53	74.17	6.20	867.63	0.85	118.95	0.74	103.56	279.88	
5	m	VI 1.60 -1	2,232	1	3.80	72.80	75.80	0.39	29.56	4.91	372.18	69.0	52.30	0.59	44.72	151.60	
1		VI 05.4	2.322	<u> </u>	38,50	45.80	84.30	0.40	33.72	4.96	418.13	0.72	60.70	0,62	52.27	168.60	
	ല	VI/III 6.60-3	1,754	4 0.877	86.00	87.70	173.70	0.29	50.37	3.76	653.11	0.47	81.64	0.44	76.43	347.40	3 12
BGM %	60	Viviii 6.60-3	2.149	1.075	111.63	103.73	215.36	0.37	79.68	4.67	1005.73	0.67	144.29	0.54	116.29	430.72	
8GM 10 B	a	3.50 -5	2.197	1,099	99.82	44.41	144.23	0.38	54.81	4.80	692.30	69.0	99.52	0.56	80.77	288.46	
8GM 11 8	æ	1V \$.60 -1								- -							
BGM 12 B	В	8.20 -1			:								!				

COMMON HEM(14/14) Table BILL OF QUANTITY (TTEM NO 4.3,07,08,09,10,11)	GEDE/BOR(BRANCH)
	COMMON HEM (147.14) Table BILL OF QUANTITY (TTEM NO 4.3,07.08,09,10,11)

					İ						•				•		
10 OV	==	2	7		*												PACT
			Gap		Road	!					B/O Item			1			C
	ر	Width	١.,	0.5*0	Main	Branch		N ₀ 07		NoOS		600Z		0100	Т	1	
					3	1.2	SUML	A4	A4"L	H2	H2*L	£	H3.1	¥	∵	2.1	ર્
BCA - 1 NA	ۆ ک															:	44.780
BGA-2 N/A	₹	:															
		SHE BUT OF QUANTITY (ITEM NO 4.3, 07,08,09,10,11)	UANTITY	CTEM	30 4.3 07	08,09,10,1						:			. * .		
	MERUYA	*															
No of		2			7						\$						
			Gap		Road						B/Q Item			0.01		2	,
Bridge	FC	Width		0.5*G	Main	Branch		No07	0.00	Z 2	2) E	H3•L	×	ķ	<u></u>	S
_					3	3	100 000 000 000 000 000 000 000 000 000	ŧ	,	4	1						
700	Q.						:										
	(75)											3.				-	
BNOV 2	ω,	9 0KU^UL														 	
01013	(SL)	Wii 9 6		,													
1	(31)												; 			:	- 19
BWW 7	8	9) úM	•												†	-	
SWW 5	(SL)	7.5 úM									:		2 1 2 2				
	(75)	26.37											:			•	W
	ם	vin C.														:	
MAZ 7	υ	7.5 um.	<u>.</u>														
BND/S	ပ	7.5 úM										*					
	ر	7.5 úM	·	· 													***************************************

[8] SLOPE PLOTECTION TYPE (177)
Table BILL OF QUANTITY (ITEM NO.01,02,15,16,17,18) for Slope Protection Type
KANKAL (XKAIN)

[2]: 0.5G*A [3]: 0.5G*G*L Remarke(1):

[4]: 0.4A SUM: 0.5G*1+0.5G*G*L-0.4A

402.41 218.74 11 390,17 164,96 30168 38.30 167.09 216.73 555.30 X3.51 165.40 108.37 196.70 18.10 170 111 277.65 109,37 127.dI 2016 0.2.A 70.18 147.52 X2.03 77.17 124 03 52,18 208.74 9079 A-510 A-500 No. 23.46 35.46 19.17 27.34 41,35 27 099 31,75 Z 10Z are an 1777 800 983.48 117,711 619.15 8 36,194 541 83 1 × 50 635.03 1388.25 246.84 SUM:A 112.00 3.19.tck 231 80 162.02 173.02 1X3 *X1 2 1 K | 7 T 3.10.49 16.0 UC 61.61 194 00 215 74 180 (3) 11. 10. 3 4 140.51 145 16 ξ 105 6.8 91.45 67.42 20 07 32.54 147.15 85 %6 ÷ 47190 72.58 [6] SLOPE PLOTECTION TYPE (2/7)

TABE BILL OF QUANTITY (ITEM NO 01,02,15,16,17,18)
KAMAL(BRANCH) 30 Ê 3 78.7 43 331.5 10.2 19() 13 1.18 6 i 1 11.21.05 3 CE 3 17.7 10.2.2.1 K7 14 3 ? *i*≥ 4.1 ₹.1 1170 17.0 3.50 . . c 6.2-35

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(B) SLOPE PLOTECTION TYPE (37)
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(B) SLOPE PLOTECTION TYPE (47)

Table BILL OF QUANTITY (ITEM NO 01.02,15,16,17,18)

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(B) SLOPE PLOTECTION TYPE (57) Table BILL OF QUANTITY (THEM NO 0),02.15.16,17.18)

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(B) SLOPE PLOTECTION TYPE (67)

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Table BILL OF QUANTITY (TTEM NO 4.3,01,02,15,16,17,18) KAMAL(MAIN)

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		13,	\$65.1	0.788	900	0.00	800	2.50	0.40	16.00	16.00	0.0	2.10	3.20	6.40	6.20	71.00	-2 94	18.40	
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A3:Concrete Volume of Retaining Wall(cu.m/m)

(1): 0.5G*A-O.4A-A3*L (2): 0.5 G*A-0.4A

SUM:A: W*L(Main+Branch)
0.05:Depth of Surface Course(m)
0.15: Depth of Base Course (m)
0.20:Sub-Base Course (m)

W-1: With of Main Road (m)
L-1:Length of Main Road (m)
W-2:With of Branch Road (m)
L-2:Length of Branch Road (m)

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<u></u>	- C 4.7%	c a	<u>}</u> [-09 ¶	1 \$10	1	1	1	349.20	8	00.03	160.00	509.20	''	76.38		203.68	185.86	78.40	185.86	\$85.585	
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1	RKE 5	α.	VIVIV 6 60 -3	1 849)	1		480,48	235	147.45	346.51	826.99	41.35	124.05	165,40	330.80	433.76	234.70	433.76	951.04	
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Table BILL OF QUANTITY (ITEM NO 4.3,01,02,15,16,17,18)

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<u>6</u> .		III/II			_ <u> </u>		113 171 804 64	7.50	136.00	1020.00	1824.64	91.23	273.70	364.93	729.86	E 1877,65	231.88		\$ 82.03	
2-	<u>≘</u> _	3.102.8 VI	1,762	70							l	1	320.40	107 3	614.63	524.74	155.56	524.74	1767.06	
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			15/11	A3.L	42.17	280.13	59.44	86'8	101.92	134.65	12.56	10.18	12.86	257.54	41.90	267.64	19.32	36.72
			No.	-	61,34	675.93	107.69	5:60)	262.69	268.75	22.93	13.68	23.35	633.24	76.14	1365.50	8.89	8.51
			SUM	0.4*A [2]	204.48	473.92	115.80	(09:5	343.38	214.78	10:40	8.40	10.40	336.16	352.09	704:32	154.56	243.20
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)2,15,16,17,18)				W.L	511.20	805.86	289.50	1	%	136.73	1	0000	00.0	\$57.78		1760.80	386.40	421.40
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BGM 7 IB	œ	1.60-1	2,322	1.161	6 50	38.50	38.50 250.25	4.50	45.80	206.10	436.55	70.77	00.43		1					
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3		VALIL	07.0	1 075	\$ 00	115.93	115.93 579.65	6.40	96.26	552.06	1131.71	56.59	169.76	226.34	452.69	763.34	260.83	763.34	1301.47	
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Table BILL OF QUANTITY (ITEM NO 4.3,03,04,05,07)

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BKM 3 B	2-09%	1.797	0.899	144,02	102.51	246.53	0.87	214.48	09.0	147.92	10.5	25235	0.00	221.88	
	2 50	, 13		000	00.6	9.00	5,31	10.62	18.67	37.34		第142.94	5,43	10.86	
(SK)	m/m (0.7)	0.51	(9) (:	0	12130	0.54	65.50	0.41	49.73	1800 E	25.00元	0.46	55.80	
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SAN / P	λ <u>ι</u>	yen;			000	73.71	60	80.34	0.73	53.81	では、	25.25 27.72	1.20	\$8.45	mare STLP
DENNI S CO	1-00.4	\$65.1			6 40	6.40		10.06	13.33	26.66		新期 [22:58	4.57	9.14	TO THE PERSON NAMED IN
BKN 16B	9 60 -2	1.832	1			323.50	06.0	291.15	0.61	197.34		1000000000000000000000000000000000000	00	323.50	
BKN 11B	11711 (0.7) 9.60 - 2	1,427	1		267.20	357.20	89.0	242.90	0.49	175.03	100 mg 20	100 TO 10	0.67	239.32	

Note:

A1: Excavation(cu.m/m)
A2: Back filling (cu.m/m)
2.24G: Stope protection (sq.m/m)
A3:Concrete of retaining wall for No 07(cu.m)/Approach step for pedestrian bridge (cu.m/one side)

Table BILL OF QUANTITY (ITEM NO 4.3,03,04,05,07)

\$	KAMAL(MAIN)									ľ					9
No or	1 3	1		च											
		Gap		Road					±1	B/Q Item			7 200		
Di se di	Width		0.50	Main	Branch		NoO3		No04		No.05		NOU//06		
-				-	2.7	SUM L	A1	A11	A2	A2.L	2.24G	2.24G*L	A3	A3-L	arks
	<u>> -</u>	,	637.0	73.02		73.03	0.65	47.47	09.0	43.82	3:08	224.61	0.58	42 36	<u>م</u>
2 2 2	7 (3)	-	1000		33.51	33.51					3.08	103.21		100 CAN 1 DOWN	SP
	(7 0) 10/11	1 707	60% 0	14402	102.51	246.53	0,87	214,48	09:0	147.92	186 4.03	99235	06.0	221.88	
0 0	-		\$90 -		00 6	00 6		10,62	18.67	37.34	是是	42.94	5,43	10.86.	Electric e
(SX)	:2	\$ 1	0.580		00.0	121,30		65.50	0.41	49.73	1 × 2 60	HE 514.91	910	55.80	32000
5 4		695	0.785	<u> </u>	6.40	07'9	4.86	9.72	13.33	26.66		(引有)公司 [1] 22:49	697	9.38	* *************************************
0 6 7 7 7 6	2 5	7 087	1017		8.40	8,40	\$ 14	10.28	17.33	34.66	12.5	11 39.27	5.14	10.28	
2 X X X X X X X X X X X X X X X X X X X	71 07 7	201	1		00.0	73.71		80,34	0.73	53.81	12.2	347.72	1.20	88 45	
e de s		1.575		<u> </u>	6.40		5.03	10.06	13,33	26.66	200 200 200 200 200 200 200 200 200 200	7. 22.58	4.57	11.6	
BKM 1CB		1.832	0.916	133.60	189.90	323.50	06.0	291.15	0.61	197,34	100 A 200 A	到327.54	1.00	323 50	
BKN 118		1,427	0,714	90.00	267.20	357.20	89'0	242.90	0 4 9	175.03	222	12 1 28 1 28 1 28 1 28 1 28 1 28 1 28 1	0.67	239 32	

1 / 7 E / 7

Note: A1: Excavation(cu.m/m)
A2: Back filling (cu.m/m)
2.24G: Slope protection (sq.m/m)
A3:Concrete of retaining wall for No 07(cu.m)/Approach step for pedestrian bridge (cu.m/one side)

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,03,04,05
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:	3	KAMAL(BRANCH)									'					ç
Noor		~	3		7						,					
			Gap		Road					١	No licin			View?		É
D	پ	Wideh	ļ	10.5°C	Main	Branch		No03		Noot A		No.05		NON		}
3	, :				7	1-2	SUML	A1	A1-L	A2	A2*L	2.24G	2.24G*L	83	73.5	axs
	<u> </u>	λi	, 715	179.0	CO 07		79 92	0.85	67.93	0,58	46.35	0865	28.11.8.W	0.87	69.53	manin tu
	م ا	λι · · · · · · · · · · · · · · · · · · ·		3%6		00 07	112 00	0 74	82.88	0.52	58.24	23.53	11.77.44 11.383.85	0.70	78.40	
SNE 1	(S) a	VIIII VYY	1 303	2090		37.53	108.18	99'0	71.40	0,48	51.93		151 FF 556	09.0	16.49	
ሳ ካ	<u> </u>	VIVIII	2,00	0.015	92.45	93.45	185.90	06.0	16731	190	113.40		29/19/	0.92	171.03	
r	1 .	VIIIIV	9	\$000	102 23	147.45	249.68	06.0	224.7!	0.62	154.80	阿斯斯斯		0.94	234.70	
BNE	o c	V: 03.	1 453	7000	87.16	85 86	173.02		155.72	0.62	107.27		學的影響	76.0 76.0	162.64	
BAE 0		VI/III VI/IIV	2 011	1 000	"	105.68	330.49	06.0	327.19	0.67	221.43	05 Miles		0.07	23.13	zviecu luis i pi
BKE X	<u> </u>	2.50	1.854	0.927		7.40	7,40	4 86	9.72	14.68	29,36	野鼠	李锋	7.86	9.72	and the same of
BKE 9		VI 09.4	1.543	0.772	108.86	72.58	181.44	0.74	134.27	0,52	94.35	2 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4		0.7:	128.82	
3.8	1 -	VIVIV 6.60 -3	1.832	9160	154.80	97.00	251.80	06.0	226,62	0,61	153.60) # H03331	0.92	231.66	
BKE 11 B	m	VI 4.60-1	1,427	1,427 0,714	94.60	67.42	162.02	89.0	110,17	0.49	79.39	026	517.89	0.62	100.45	

Table BILL OF QUANTITY (ITEM NO 4.3,03,04,05,07) KAMAL(BRANCH)

	Cian C	ASSIST CONTROL I									1					•
NO O.	_	~:	~		7											
			Cay		Road					***	ts/Citem					(
			1	() () () () () ()	Ne are	Branch		NoO3		NoO4		No.05		No07		Ę Ė
ನ್ನು ನಿನ್ನಾಗಿ	ن بد	ty ictn	>	· · ·		1.2	SUMIL	A A	A1.L	A2	A2.L	2.24G	2.24G*L	A3	A3.L	arks
	 	<u> </u>	-		1		79.97	2 8 8	67.93	0.58	46.35	3.90	\$8:1183	0.87	69 53	
ays ays		21 S	25.7	375 (!	00 07	00 611		82.88	0.52	58.24	1 - 1 3.43	383,85	0.70	78.40	
ave.	2 (S)	VIVIII	203		1	27.57	81 801		71.40	×7 0	\$1.93	3.12	######################################	09'0	16 +91	
NY I		VIVIII	000			03.45	06 \$81		167.31	0.61	113.40	01.7	16.11.62 7.61.62	0.92	171 03	
		0.00,-3	6.00	-		37.751	89676		224.71	0.62	154.80		1034 11	0.94	234.70	
UNE EN		21 00 00 - 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	250		1		173 02		155.72	0.62	107.27	25 See	1000000000000000000000000000000000000	0.94	162.64	
1 SY 5		AI/III	2.011		(-	330.49		327.19	19.0	221.43	1 4 4 3 0	11488.74	0.07	23.13	
2 P		C- 000 0	1 3	<u> </u>		7.40	7 ±0		9.72	14,68	29.36	\$1.50 PM	52:08:ME	7 86	9.72	
2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	<u>. a</u>	VI 1-503.4	17.0		98 801	,	18.	0,74	134.27	0.52	94.35		[2] [2] [2]	0.71	128 82	
	<u>a</u> ≃	VIVIII VIVIV	1832		1		251.80	06'0	226.62	0.61	153.60		1033.31	0.92	231.66	
BKE 11 B	8	4.60-1	1,427		1 (67.42	162.02	89.0	110.17	0.49	79.39	3.20	27.28	0.62	100,45	

Fable BILL OF QUANTITY (ITEM NO 4,3,03,04,05,07)

Sap Road Branch No03 No04 B/O litem V 1,496 0,748 C 1,102 65.00 91.40 1,564 1,111 105.85 0,524 1,066 95.36 1,111 105.85 0,757 1,22 1,200 0,950 7,60 7,60 95.73 1,111 105.85 0,75 1,120 1,000 0,950 7,60 7,60 95.73 1,111 105.85 1,074 95.73 0,000 95.73 1,111 105.85 1,074 2,148 1,074 95.73 0,000 95.73 1,111 1,056 1,111 1,056 1,111 1,056 1,111 1,1														ŀ	
Wedth Gap Road Road No03 No04 No04		L	· ·	4						Λ				-	٥
Wrath G 0.5°G Wain Branch No03 No04	1		Gap	Road					3	3/Q Item					r en co
S.20 -1	ш		ı	Main	Branch		No03		No04		No.05		No07		Rem
				5	1-2	SUMIL	A1	A1-L	A2	A2.L	2.24G	2.24G*L	A3	A3*L	arks
	മ	8.20 -1		- 20											or agranitus de disconsider de la constantina de la constantina de la constantina de la constantina de la cons
3.00 1V 2.204 1.102 65.00 91.40 156.40 1.19 186.12 0.80 1 1 1 1 1 1 1 1 1	න	8.20 -1			- 127 - 127		0.59	41.54	0.43	30.27	1 Table 1	08.96]附注	0.50	35.20	
3.00 V 2.131 1.066 95.36 95.36 1.11 105.85 0.75 2.50 2.164 1.082 8.60 8.60 5.09 10.18 17.87 2.50 1.900 0.950 7.60 7.60 4.86 9.72 14.80 1	က	3.00 -\$	-		\		1.19	186,12	08.0	125.12		製物制料	1.37	214.27	*****
2.50 2.164 1.082 8.60 8.60 5.09 10.18 17.87 2.50 1.900 0.950 7.60 7.60 4.86 9.72 14.80 4.60 1.074 95.73 0.00 95.73 1.13 108.17 0.76 1.074 1.074 9.60	m m	3.00 -S			2	95.36	111	105.85	0.75	71.52		X 455.20	1.23	117.29	
2.50	یم ا	2.50	. :		8,60	:	\$ 00	10,18	17.87	35.74	1 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	1.69 1.69 1.69	5.43	10.86	- -
1	ا م	2.50			7.60		4.86	9.72	14.80	29.60	建物 机	松野33 5	98.‡	9.72	
VI 1605-1	σ.	VI 1.60		. '			1.13	108.17	0.76	72.75		460.61	1.23	117.75	An organization of
MI T	' ≎ ∞	7													-
	10 m	1.001													

Table BILL OF QUANTITY (ITEM NO 4.3,03,04,05,07)

No of 1	~	3		.,						5					5
 		Gap		Road					7	B/Q Item					-
Bridge FC	Width		0.5.0	Main	Branch		No03		No04		No.05		No07		æg.
			L	1-1	L-2	SUM L	A1	A1.L	A2	A2*L	2.24G	2.24G*L	A3	A3.L	arks
BKE 12 B	8, 20 -1	1,496	0.748										:		
BKE 13 B	8 20 -1	1.248	0.624	70,40	00.00	70.40	0.59	41.54	0.43	30.27	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	20.961 2.441.96.80	0.50	35.20	
BKE 14 B	3.00.5	2.204	1.102	00 59	91.40	156,40	61.1	186.12	08.0	125,12	\$6.5 4.94	11/10/2/14	1.37	214.27	
BKE 15 B	3-100.£	2,131	1,066	95.36		98.36	=	105.85	0.75	71.52		455.20	1.23	117.29	
3KE 16 P	2.50	5 164	1.082		8.60	8.60	\$.09	10.18	17.87	35,74	第一条	41.69	5.43	10.86	
BKE 17 P	2.50	1.900	0.950		7.60	7.60	98 7	9,72	08.41	29.60		32.35	3 86	9 72	
BKE IN B	NI 09 #	2.148	1.074	95.73	00'0	95.73	1.13	108.17	0.76	72.75	4.81	460.61	1.23	117.75	ngang penjabahan
(N) (SE 1 15 B	N - 1 - 1 - 1 - 1] (1) (1) EV									Principal de la principal de l		-	
1581, 20/B	4 641-1	14													

Table BILL OF QUANTITY (ITEM NO 4.3,03,04,05,07)
TANJUNGAN

	~7	c n	***	ব						^		Ì			,
		Gap		Road					:	B/O Item					eriu.
Bridge FC	Width	ı	0.5.0	Main	Branch		No03		NoO.		No.05		No07		ę ė
	· · ·		-	3	1.2	SUM L	A1	A1.L	A2.	A2"L	2.24G	2.24G-L	A3	A3*L	arks
- 17.3	NMI :	896 1	0.984	01 801		108.40	960	104.06	59.0	70.46	17.3- A	477.86	1.07	115.99	SP
Ι.			.85 8 <u>8</u> 22 5 8 7 7	7 Y											- eroberedes/Nac
81N 3	(\$.00) 1	1.945	0.973	178.97	43.70	222.67	56.0	211.54	0.64	142.51	1100	##95613	1.00	222.67	Codeb Mind S
	12 201-3	2.065	1.033	68.83		68.83	1.05	72.27	0.70	48.18	1 4.63	8581年時代	1.20	82.60	
(SK) BTM 5 B	12.20[-3	2.023	1.012	139.87		139.87	00.1	139.87	0.68	95.11	88	第563.82	1.13	158.05	
נאני	TIN JUNC 11ON														Ī
No of:	1 2	£		4						5	,				٥
		Gap		Road					ŀ	B/Q Item					
Bridge FC	Width	ن ن	0.5.6	Main	Branch		No03		No04		No.05		N907	į	ę ę
	·			-	L-2	SOMIL	Α1	. A1*L	A2	A2.L	2.24G	2.24G*L	A3	A3"L	arks
BNN - B	8 20:-1	1.762	0.881	113.33	00'9£1	249.33	98.0	214,424	0.59	11.147.10	3.95	984.08	0.03	231.8769	Şp
BNN1 2 B	VI 1.60)+	1,483	0.742	111.05	00.501	216.05	12.0	153,3955	0.51	110.19		国第2000年 第27.770	0.72	155.556	
BNN1 3 B	71 09 t	2.426	1.213	105.05	\$6.53	161.58	[7]	227.8278	0.95	153.50		FF 878,03	1971	260.1438	
8 FINNS	12 20 11	1.802	0.901	115,41	80.61	196.02	0.88	172:4976	09.0	11.61	4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	791,23		182,2986	S.P
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Table BILL OF QUANTITY (17EM NO 4,3,03,04,05,07)
TANJUNGAN

1	-0.07:14	Ė	Ŋ				. W. F. A. V. F. S. W.		ı		rate (m. 1	<u></u>	ß	_	-		
1		-ea-	arks	<u>.</u>					ļ	9		Reg	arks	5.0	·		
			A3-L	115.99		222 67	82 60	15805					A3*L	231,8769	155.556	260.1438	
		No07	A3	1.07		00'1	1.20	1.13				No07	A3	0.93	0.72	19.1	
			2.24G*L	98'225		1 570.13	15 318 38	633:82					2.24G•L	80'486	0.5.41.6 高	14 878.06	
		No.05	2.24G	144 1000 1000 1000 1000 1000 1000 1000		38.	11 com 14.63	W. W. W. S.				No.05	2.24G	3.95	100 Sept. 100 Se		
,	B/Q Item		A2.L	70.46		142,51	48,18	11.26		\$	B/O item		42.L	11. 34. 10 147. 10	110,19	153.50	
		No04	, A2	\$9.0		P9'0	02.0	89'0				700N	. A2	발 (\$ ** 오 ** ** ** ** ** ** ** ** ** ** ** ** **	15.0	\$6.0	
			A1.L	104.06		211.54	72.27	139.87					A1.L	214 424	153,3955	227.8278	が形を対し
		No()3	A1	96.0		26.0	1.05	1.00				No03	A1	0.85	0.71	1,41	
			SUM L	108.40		222.67	68.83	139.87					SUM L	249.33	216.05	161.58	
		Branch	L-2	ļ ——		43.70						Branch	7.5	136.00	105.00	\$6.53	
7	Road	Main	3	108.40		_		139.87		1	Road	Main	2	113.33	111.05	105.05	
		0.5*G		1.86.0		0.973		1.012				0.50		0.881	0.742	1.213	
 م	Gao	l		- X3.		1.945	2.065	2.023			Gap	ပ		1762	1.483	2.426	-
~1		Width	i	Vivia .		(8 00) 1	12 20 -3	12.20 -3	718 JOIN 11 JOIN	~4		Width		3.2011) 1 09 t	VI 1-100 t	
		ć,				នា	8	(SK) B	717	-		ည		=	න		
1000		Bridge		7	7 7 7 1 2	BIN 3		(S) (STM S B		No of		Bridge		8 - I INNE	BNM 2 B	BNM 3-B	

ŀ		T	_						- 71	<u>~~~`</u>	ای		: %		<u> 60</u>	25.51	2	<u>[2]</u>
				A3-L	42.17	280.13	59.44	8.98	101.92	134.65	12.56	101	128	257.54	開始。 41.90	H 267.64	19.32	36.72
			N ₀ 07	A3	0.33	1.00	0.77	. 4.49	0.57	0 93	6.28	5.09	6.43	1.47	41 14573110.30	字叫[32]	0.30	0.30
		ŀ	-	2.24G°L	語の記	18 12 18 18 18 18 18 18 18 18 18 18 18 18 18	267.00	17.28	458332F	80.585	59.73	15.68 Sec. 1	60.48	1888 28	304.41	927.28	182311189	1501/2021/02 1502/2021/02
			No.05	2.24G	SH233				1986 1986 1986 1986 1986 1986 1986 1986		- 126 - 126	12.00 A 10.00	5.82	に変数に	2.18	5.27	N 06 IL 15 IE	36.72 国际的时间 36.72
	S	B/Q Item		A2"L	47.29	179.28	40.14	27.00	85.82	86.87	48.00	32.00	\$0.66	152.42	48,88	158.47	19.32	36.72
: 1 :		B	No04	A2	0.37	0.64	0.52	12,00	0.48	09.0	24,00	16.00	25.33	0.87	0.35	06'0	0.30	0.30
				A1*L	61.34	266,12	57.13	09.6	119.80	127.41	11.32	10,28	11.42	226.01	62.85	234.19	25.76	46.51
			No03	A1	0.48	0.95	0.74	4.80	29 0	88.0	3,66	5.14	5.71	1.29	0.45	1.33	0,40	0.38
				LIMOS	127.80	280.13	77.20	5.60	178.80	144.78	10,40	8.40	05.01	175.20	139.67	176.08	04:40	122.40
4.05.07)			Branch	1-2		101 05		5.60	77.20	47.73	0701	07-8	10.40	\$6.53	53.83			62.20
NO 4.3,03,04,05,07)	4	oad	Main	2	127.80	179 08	77.20		101.60	97.05				118 67	85.84	176.08	61.40	60.20
ry (ITEM)	-	R	0.50	<u> </u>	0.52	0.971	0.772	X89 0	0.706	106.0		C\$0	- X	7.5			0.423	0.414
OUANTE	3	Gao		3	3	1761	7.	1 376	CLF	10%	7,56	2 103	1	2 307	0.073	2.351	0.846	0.828
Table BILL OF QUANTITY (ITEM N.	2		14,45		111/11/5	111/11 (00.7)	×1 09 1	9,	VI/III	VANIII VANIII	3,	-9,	,	VIVIII	13 20 13	12 20 3	11/111	(7.00) H/III 9.60 -3
L	No of 1		0.00) 	a		1 10	1		۱ ×	, ~	- >		BC1 10 B	811178	BCN 17 B		8CM 14 B

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Table BILL OF QUANTITY (ITEM NO 4.3,03,04,05,07) SALURAN CENGKARENG

9		Rea-	A3.L arks	12.17	280 13	59.44	8.98	101.92	134 65	12.56	10.18	12.86	257.54	SP 05.17	267.64 SP	19 32	36 72
		No07	A3 A	0.33	1.00	0.77	4.49	0.57	0.93	6.28	5.09	6.43	1,47	20 mm (10 mm)	10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.30	08'0
			2.24G*L (297.72	9 1217.96	67.00	7.7.26	2868.32	S0.585	59.73	25.6E	60.48	\$5.506 10.506 10.506	304.41	927.28		(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)
		No.05	2.24G	733		11-15-34 11-15-34 11-15-34	3,08	3.18 1.3.16	10年本103	\$7.3	17.4 (1)	5.85		2.18	5.27	186 187 187 187 187 187 187 187 187 187 187	36.72 44 (2461) 85
Š	B/O Item		A2*L	47,29	179.28	40,14	24,00	85,82	86.87	00.81	32.00	\$0.66	152.42	48.88	158.47	19.32	36.72
		7()oN	A2	0.37	0.64	0.52	12.00	0.48	09 0	24.00	00'91	25.33	0.87	0.35	06.0	0.30	0.30
			A1"L	61.34	266.12.	57,13	09'6	119.80	127.41	11.32	10.28	11.42	226.01	62.85	234.19	25.76	46.51
		No03	A1	87°0	56.0	0.74	08.7	29.0	88 0	99'\$	5.13	5.71	1.29	\$1:0	1.33	0,40	0.38
			SUM L	127.80	280.13	77.20	5.60	178.80	144.78	07:01	2 7 ×		175.20	139.67	176.08	64,40	122.40
		Branch	1.5		30.101		\$ 60	77.20	47.73	07.01	97 ×	9 9	\$6.53	53.83			0, 69
7	Road	Main	5	127.80	179.08	77.20		101 60	97.05				118 67	3.5	80 921	07 13	02 09
-	a a	10 5°C	J	0.0	0.971	0.772	0 688	0 706	106.0	(%)	C\$0.1	Sio C			_	}	
2	, 465	1		2	176	7,	1376	7712	10%	2,564	2.103	3.4.6	2 307	0.973	2331	978 ()	XCX C
,	1	Width		9.601.5	(7 00) 11/111	2 - 2		VI/III 5. (6) 8	VI/III	3 03.		3	VI/101	1 20 51	2 3 CC	11/11 12 of 8	(7.00)
t	1000	יי ליכּמ		BCX 1 B		BCM 3 B				2 to 12.54	. >	6 10 70	a mag		a Cr Ca	8 CN 13 B	6 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -

Table BILL OF QUANTITY (ITEM NO 4.3,03,04,05,07)

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No of:	11 2	3	7					1					-	
		Gap	Road	:				.	B/C Item					()
Bridge FC	Width	0.5.0	Mam	Branch		No03		NoOA		No.05		7007		Ė,
			3	1-2	SUMIL	A1	A1*L	4 2	A2.L	2.24G	2.24G*L	¥3	A3.L	ärks
BGN 1 B	. (7.00) 11/111	0.50 0.25	114.60		114.60	0.12	13,75	0.09	10.31		128.35	0.20	22.92	
۰ [٠	11/11 (00.7)	1	<u> </u>	65.30	185.90	0.53	98.53	0.40	74.36	新教教	2223	0.33	61.35	
	2.50				7.60	4 86	9.72	15.73	31.46	4.428	2000 2000 2000 2000 2000 2000 2000 200	4.86	9.72	
BGM 4 B	41017	<u> </u>	\$8.13	59.13	117.26	1.88	220.45	1,26	147.75	929		2.13	249.76	
BGN 3 B	1. 09 +		\$6.00°	117.89	203.89	1.87	381.27	1.26	256.90		7 127 7	2.13	434.29	
BCM 6	VI 05 £	2.23	300	72.80	75.80	01.1	83,38	0.82	62.16	\$ 5.55 \$ 5.50 \$ 5.50 \$ 5.50	37.8.98	1.39	105.36	
BGN: 7 B	VI 65 L		38.50	45.80	8.30	1.14	96.10	0.88	74.18	\$20	3.8 3.75	1.25	105 38	
8GM x 13	VVIII 6 60 -3			43.85	129.85	0.85	110.37	0.59	76.61	888	SIOTS Management 1975	0.92	119.46	
BGM 9.8	111/1V 6.60 -3			86.26	202.19	1.13	228.47	0.76	153.66		1000 1000 1000 1000 1000 1000 1000 100	1.29	260.83	
BGM 18.B	3.50-5			75.41	173.18	1.18	204.35	0.79	136.81		新報 2.23 2.27	132	228 60	
181 118	N 93 7											14, 14 14, 14 14, 14, 14 14, 14, 14, 14, 14, 14, 14, 14, 14, 14,		
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Table BILL OF QUANTITY (ITEM NO 4.3,03,04,05,07) SEDE/BOR

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Noor	?	3	7											
		Gap	Road		_			1	B/C Item			677		9
Bridge FC	Wideh	0.5.0	Main	Branch		No03		No04		No.05		1000		į į
			-	12	SUMIL	A1	A1"L	Α2	A2.L	2.24G	2.24G*L	A3	A3.C	arks
BGM 1 B	(7.00) 11/111	0.50 0.25	5 114.60		114.60	0.12	13.75	60'0	10,31	12	12835	0.20	22.92	
BGM 7 B	111/11: (00 2)		1 120 60	65,30	185.90	0.53	98.53	0.40	74.36	227	422.25	0.33	61.35	
BCN 3 P	2 50		1		0972	98.+	9.72	15.73	31.46	4.28	22.55	4.86	9.72	
HGY 1 8	VI/III 5.660.3	<u> </u>	"	3.	117.26	88.	220,45	1.26	147.75	989	## 127.08 ## 757.78	2.13	249 76	
ECN 5. 10	N 1 00 ₹			117,89	203.89	1.87	381.27	1,26	256.90	(基本) (基本) (基本)	图1313:05	5.13	434 29	
2	N 1 09 7	1		72.80	75.80	1,10	83.38	0.82	62.16	5.00	86,876) 1378,98	1.39	105.36	4
	VI (5) 1			1	84.30	4 1.7	96.10	88.0	74.18	111111111111111111111111111111111111111	438.47	1.25	105 381	
g 0	VI/III VI/III			1	129.85	0.85	110.37	65.0	76.61	11 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	S10:18	0.92	119 46	
2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	VI/III.			9×	202.19	1.13	228.47	0 76	153.66		11 073.29	1.29	260 83	
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			No.05	2.24G									
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	_	21					1		70.97	000	219 09	0.41	29.94	039	28.48	146.06	RT
BKNI BUB	11.15	1.00, 1	1.373	0.682	73 03		3	0.21	10.04	0.00	- 50	WAR CONTRACTOR	-88	FALL STATE OF		67.02	S.
B. N. 2. B	91.1		1.373	0.687		33.51	33.51							三方法院大き	「日本の日本の日本		
			1021	008 0	CO 44.02	102 51	246.53	0.29	71.49	8.	986.12	0.59	145.45	3.3045	110.94	493.06	
SAM 5	-	7.00%		(60)				透透面			77.78		T.8	0,53	1.06	18.00	
8KN 4 P	<u>a</u>	2.50	2.13	1 065	000	8	30.0	100 C	Colonia	71./2	14.60	V		大學學出			
	(SK)	(7.0) (1/18)	971.	600	13.1.20	8	12130	0.16	19.41	4.70	570.11	0.43	52.16	88.0	14600	242.60	
BKN 2 B	8	7-109%	cci	200.0	1				影	78 76	. 43 77	調整の		0,38	0.76	12.80	
BKM 6 P	<u>a</u> .	2.50	1 569	0.785	0.00	6.40	6.40	Ş	3	70.07	37.72	THE PROPERTY.	No.				i
2-					5	0.70	0.40	y 0'0'0		34.29	68.58	130	18 SS 18 SS	0,53	8	16.80	
BKN 7 P	47	2.50	2.087	2.087	200	°	2		The state of the s							15.53	
×	α	2 1- 09 1	2,106	1.053	73.71	00.0	73.71	0.37	27.27	4 60	339.07	0.67	49.39	東京 0.53	ななられる	\$1/ \$1	
	}				1		6.40			25.71	51.42	10 10	\$5.50 \$1.30 \$1.00	0.43	0.86	12.80	
BKM y	<u>د</u>	2.50	1.575	0 /88	20.0		2	Control of the Control	in the last							00 227	
BKM 10B	- 10 B	9,60	1.832	0.916	133 60	189.90	323.50	0.31	100.29	4.00	1294.00	0,63	203.81	24 21 24 A	1070 2010 2010 2010 2010 2010 2010 2010	5	
8KM 11B	- E	9.60 -2	1.427	1.427 0.714	00.00	267.20	357.20	0.21	75.01	5.10	1821.72	0.49	175.03	130.50 Se	1200 E	714.40	

G.Gap between bridge and ground elevation(m) 0.5G:Average of Gap (m)
A4:Concrete Volume of foundation (eu.m/m)
H2:Form of retaining, wall (sq.nt/m) Note:

Table BILL OF QUANTITY (ITEM NO 4.3,08,09,10,12, 14)

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Bridge (FC	(Vidih	_೨ _ ಲ		Nam	Srancii		302	1		13:1	£	1.25	×	¥	2,5	arks
					3	SON L	¥4) }	3				三年 きんきん	全国新疆		,
	21					6		4	0	219.09	0 41	29.94	680		146.06	RT
BEN 167B	1: (11)		0.687	73.03	1	(3.03	0.21	10,04	100.0	20.5	AND ASSESSMENT OF THE PARTY OF	A STATE OF THE STA			67 02	SP
9.17.77.78		1,23	0.687		33 51	33.51				- C			m Single Palable			
	(7.0)-11/111	-	9	5	15 601	246.53	0.0	71 49	4,00	986.12	0.59	145.45	-1. 0.4S	110.94	493.06	
BKM 3 B	2.096	////	0.677	144.00	2.727	ㅗ	11	1000年で			重量基金			-	00 %	
		,	. 06.	000	006	9,00		+ 3.33	37.14	74.28	1.2.10,67	F 0.03	0.55	00.1		
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200		0711	0370	12130	000	121.30	0,16	19.41	4.70	570 11	0.43	52.16	10.58 T	TO THE STATE OF TH		
BKN: 5 B	9.60.5	1.153	70	2	l		The Control							•	ζ:	
			200	000	V 40	019	, o		26.86	53.72	S 0 23	3.39	0.38	0.76	17.30	
BKN! 6 P	7.30	1.502	50	20.2			A STATE OF				が発生した					
			ć	5	2	07.8	550	, 5 , 5 , 5	34.29	68.58	1.067	5.63	0.53	90-	16.80	
8KN 7 P	2.50	, n.,	7.7		5		1_						4.4			
	≥ - -	791 6	1,653	73.71	000	73.71	0.37	27.27	4 60	339.07	0.67	49 39	F-F-10.53	529.07	747/4	
DVN X	1.00	CVA	2	3			語が変						ç	28.0	12.80	
0 22.10	2 40	175	0.788	00'0	97.9	0.40	0.24	54	25.71	51.42	0.23	÷.		CONT.		
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BKM 10B	9.60 -2	1,832	0.916	133.60	189.90	323.50	0.31	100.29	00 :	1294.00				. 7.		
9 1 1119	11/11 (0.7)	1 227	227 0 714	90,00	1 267.20	357.20	0.21	75.01	\$ 10	1821.72	0.49	175.03	1.17 :0.38	92/35/3/	714 40	
DAM 110	-1,000					ŀ										

G:Gap between bridge and ground clevation(m) 0.5G:Average of Gap (m) A4:Concrete Volume of foundation (cu.m/m) H2:Form of retaining wall (sq.m/m) Note

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Table BILL OF QUANTITY (ITEM NO 4.3,08,09,10,12,14) KAMAL(BRANCH)

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			0.60		Road					æ	B/Q item					
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o Spenia A	ر	0171.A	·	3			WIN	A4	A4°L	77	H2.L	£	H3*L	소	- - - -	arks
er.		<u> </u>			-	3						0	29 91			
3,4	8	3.00 -5	1.742	0.871	79.92		79.92	0.27	21.58	02.5	303.70	/Cn	CC.C.		1	
	1	۸۱۱	430	572 V	100 (2	00 UF	112 00	0.25	28.00	3.30	369.60	5.30	593.60	0.43 11 48 16	6 224 00	
228		7- (10) 7	V. C.	- 1	200					-						
(1,) ()	(X (X) (X) (X)	9 6 60 -3	1.393	769.0	70.65	37.53	108.18	0.21	22.72	2.60	281.27	0.48	51.93	10.38	216.36	
	1	VIVIII.			1	02.45	00 581	CF ()	\$0.49	4 00	743,60	0.59	89.601	2044	371.80	
#SKE +	33	6 60 -3	1.8.59	CIV.O	7.37		1			1				李建 医二基氏医院	- X	
عملها		Viviii ,		2000	100 23	117.15	89 676	0.32	79.90	4.03	1006.21	09.0	149.81	一。10.44 平109.86	95 499 36	
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Y. KE	<u>م</u> 20	2.50	1.854	0.927		7.40	7.40	00.00	20.0	00.00			Mark Street	Jen 11 R	是	
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<u>.</u>		<u> </u>	1.27	1227 0714	09 66	67.42	162.02	0.23	37.26	3.10	502.26	0.51	82.63	中国	43 324 04	
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Table BILL OF QUANTITY (ITEM NO 4.3, 08,09,10,12,14)

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		Gap		Road						B/O Item						
Bridge FC	Width	0	0.50	Mam	Branch		X00X		No09		NoIO		No12		Nol	E S
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8 51 3Xh	VEH.	876	0.624	70 40	000	70.40	0.19	13.38	2.73	192.19	0.48	33.79	850	26.75	140.80	2 KE 44 PY
8 1 1 4 X 8	VI 1V	2 204	1.102		91.40		.0.37	57.87	4.80	750,72	0.71	111.04	15 TO 15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	86.02	312.80	
8KE 15 8	3.00		1.066	95.36		95.36	0.37	35.28	4.65	443.42	0.67	63.89	5.0	25.05	190 72	
9XE 16 P	2.50		1.082		09.8	09'8	1800 1800 1800 1800 1800 1800 1800 1800	128 128 138 138	36.57	73.14	69,0	16.84 E	0.53	1.06	17.20	
8KF 17 P	2.50		0.950		7.60	7.60	0.33	15. 15. 15. 15. 15. 15. 15. 15. 15. 15.	30.29	60.58	. F. 6.63	62- <b>5</b> 4	0.45	06.0	15.20	
SKE 18 B	A 09 T	•	1.074	95.73	00 0	l ~	0.37	35.42	4.68	448.02	0.67	64.14	0.54	51.69	91-161	
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