



DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA

MINISTRY OF HIGHWAYS, PORTS & SHIPPING

ROAD DEVELOPMENT AUTHORITY

CHINA DEVELOPMENT BANK FUNDED IMPROVEMENT
AND REHABILITATION OF
PRIORITY ROAD PROJECT 3 (PRP3)

CIVIL WORK CONTRACT NO: RDA/RNIP/PRP3/PHASE-1/PACKAGE-3

Contract Component No.	Description
RDA/RNIP/PRP3/Phase-1/Package-3/C9	Rambukkana - Katupitiya Road (0.00-9.81 km)
	Katupitiya - Dambokka Road (0.00-8.75 km)

18-56

CONTRACTOR

XI'AN DAGANG ROAD MACHINERY CO. LTD. (DAGANG)

VOLUME 5

Scope of Work

Preamble to the Bill of Quantities

Priced Bill of Quantities

DECEMBER 2013

THE PRICED BILL OF QUANTITIES

PRP3/C9

12/2

**IMPROVEMENT AND REHABILITATION OF PRIORITY ROAD PROJECT
RAMBUKKANA - KATUPITIYA ROAD (9.81 km) - B384
(FROM 0.00 - 9.81km)**

Grand Summary

Bill No.	Description	Contract Value (Rs)
1	Preliminary and General 1 A	Included in B087
	Preliminary and General 1 B	
2	Site Clearing	15,978,184.10
3	Earthworks	152,656,095.00
4	Sub Base, Base & Shoulders	312,971,358.00
5	Surface Application	377,846,315.00
6	Bridges and Culverts	142,966,947.36
7	Drainage Construction	46,108,281.95
8	Incidental Construction	38,671,884.46
10	Maintenance of Roads	5,481,684.00
11	PS -Items	37,050,000.00
12	Day works -Labour	306,021.30
	Day works -Equipment	2,802,626.20
	Day Works - Material	1,949,110.00
	Sub Total - 1	1,134,788,507.37
	Provision for Price Escalation - 10% of Sub Total 1	113,478,850.74
	Contingencies	56,739,425.37
	GRAND TOTAL (TENDER PRICE)	1,305,006,783.48

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BILL No.2 : SITE CLEARING

ITEM		DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT (Rs)
Bill	Pay					
CLEARING AND GRUBBING						
1	201(1)	Clearing and grubbing	m ²	7,500.00	57.24	429,300.00
		<i>Remove trees :</i>				
2	201(2)	- Girth 600 to 1,200 mm	nr	120.00	7,990.43	958,851.60
3	201(3)	- Girth 1,200 to 2,000 mm	nr	65.00	18,485.32	1,201,545.80
4	201(4)	- Girth over 2000 mm	nr	50.00	35,000.00	1,750,000.00
		<i>Remove Branches :</i>				
5	201(5)	- Girth 300 to 600 mm	nr	50.00	3,816.32	190,816.00
6	201(6)	- Girth 600 to 1,200 mm	nr	50.00	5,963.01	298,150.50
7	201(7)	- Girth over 1,200 mm	nr	50.00	13,595.66	679,783.00
		<i>Remove Stumps :</i>				
8	201(8)	- Girth 600 to 1,200 mm	nr	10.00	14,311.22	143,112.20
9	201(9)	- Girth 1,200 to 2000 mm	nr	10.00	20,035.70	200,357.00
10	201(10)	- Girth over 2000 mm	nr	10.00	40,000.00	400,000.00
2.2 REMOVAL OF STRUCTURES & OBSTRUCTIONS						
11	202(1)	Dismantle & remove brick masonry structures (Provisional)	m ³	300.00	3,816.32	1,144,896.00
12	202(2)	Dismantle & remove Random Rubble masonry structures (Provisional)	m ³	525.00	6,177.68	3,243,282.00
13	202(3)	Dismantle & remove concrete structures (Provisional)	m ³	300.00	10,184.82	3,055,446.00
14	202(4)	Dismantle & remove Dress stone masonry structures (Provisional)	m ³	300.00	6,177.68	1,853,304.00
15	202(5)	Remove fencing (Provisional Quantity)	m	2,000.00	214.67	429,340.00
Bill No.2 Carried to Summary						15,978,184.10

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BILL No.3 : EARTH WORKS

ITEM		DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT (Rs)
Bill	Pay					
3.1		ROADWAY EXCAVATION				
1	301(1)	Roadway excavation , soil suitable for fill	m ³	3,000.00	954.08	2,862,240.00
2	301(8)	Roadway excavation , soft rock (Provisional Quantity)	m ³	2,000.00	6,500.00	13,000,000.00
3	301(2)	Roadway excavation , boulders (Provisional Quantity)	m ³	300.00	7,186.00	2,155,800.00
4	301(3)	Roadway excavation, hard rock . (Provisional Quantity)	m ³	1,000.00	5,724.49	5,724,490.00
5	301(4)	Roadway excavation, unsuitable soil	m ³	13,650.00	1,431.12	19,534,788.00
6	301(6)	Road Pavement Excavation	m ³	1,000.00	2,827.00	2,827,000.00
3.2		STRUCTURE EXCAVATION AND BACKFILL				
7	302(1)	Excavation for structures & backfill in suitable soil	m ³	100.00	4,174.11	417,411.00
8	302(2)	Excavation for structures, unsuitable soil and backfill with suitable material	m ³	1,500.00	4,174.11	6,261,165.00
3.3		EMBANKMENT CONSTRUCTION				
x 9	304(1)	Trim, level and compact Original gravel	m ²	32,000.00	124.03	3,968,960.00
10	304(5)	Embankment construction, Type 1 with available	m ³	200.00	3,220.02	644,004.00
11	304(6)	Embankment construction, Type 2, with available suitable	m ³	3,000.00	2,981.50	8,944,500.00
12	304(2)	Embankment construction, Type 1 with borrow material	m ³	11,350.00	3,220.02	36,547,227.00
13	304(3)	Embankment construction, Type 2, with borrow material suitable	m ³	5,000.00	2,921.87	14,609,350.00
14	304 (4)	Boulder packing for soft ground treatment including geofabric	m ³	3,000.00	7,800.00	23,400,000.00
3.4		CHANNEL EXCAVATION				
15	307(1)	Channel excavation, suitable soil	m ³	100.00	1,134.00	113,400.00
16	307(3)	Channel excavation, hard rock (Provisional Quantity)	m ³	1,000.00	9,391.74	9,391,740.00
17	307(4)	Channel excavation, unsuitable soil	m ³	2,000.00	1,127.01	2,254,020.00
Bill No.3 Carried to Summary :						152,656,095.00

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BILL No.4 : SUB BASE, BASES AND SHOULDERS

ITEM		DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT (Rs)
Bill	Pay					
4.1		GRANULAR PAVEMENT				
1	401(1)	Sub base as compacted in position	m ³	12,000.00	3,100.76	37,209,120.00
2	405(1)	Dense graded aggregate base	m ³	23,000.00	9,624.29	221,358,670.00
3	408(1)	Scarify and Remove existing bitumen layer	m ²	20,000.00	125.22	2,504,400.00
4.2		SHOULDERS				
4	409(1)	Earthen shoulder as compacted in position	m ³	2,400.00	3,816.32	9,159,168.00
5	409(2)	Dense graded aggregate shoulder as compacted in position	m ³	4,500.00	8,200.00	36,900,000.00
6	409(3)	Trench excavation for cross shoulder drain	m ³	200.00	4,200.00	840,000.00
7	1710(1)	Geotextile for cross shoulder drain	m ²	2,000.00	2,500.00	5,000,000.00
Bill No. 4 Carried to Summary						312,971,358.00

BILL No.5 : SURFACE APPLICATION AND SURFACINGS

ITEM		DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT (Rs)
Bill	Pay					
5.1		PRIME COAT AND TACK COAT				
1	501(1)	Bituminous Prime Coat using MC30 at 1 litre per m ²	m ²	110,000.00	298.15	32,796,500.00
2	501(2)	Extra over For MC30	liter	50.00	298.15	14,907.50
3	502(1)	Bituminous Tack Coat (Cationic Emulsion grade CRS1 at 0.3 litre/m ²)	m ²	150,000.00	131.19	19,678,500.00
4	502(2)	Extra over For CRS1	liter	50.00	298.15	14,907.50
5.2		BITUMINOUS SURFACING				
5	506.1	Asphalt concrete in wearing course 50mm compacted thickness	m ²	110,000.00	2,957.65	325,341,500.00
Bill No. 5 Carried to Summary						377,846,315.00

BILL No.6 : BRIDGES, CULVERTS AND OTHER STRUCTURES

ITEM		DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT (Rs)
Bill	Pay					
6.1		STRUCTURES -Reconstruction of Bridge No.2/2 ,9/3,9/4				
		Excavation&Backfill				
1	301(1)	Excavation&backfill in suitable soil	m ³	375.00	4,174.11	1,565,291.25
2	301(4)	Excavation&backfill in unsuitable soil	m ³	1,125.00	4,174.11	4,695,873.75
		Concrete for Structure				
3	1001(1)	Concrete Grade C 15	m ³	1,440.00	25,605.15	36,871,416.00
4	1001(3)	Concrete Grade C 25	m ³	300.00	29,218.74	8,765,622.00
5	1001(4)	Concrete Grade C 30	m ³	60.00	30,447.11	1,826,826.60
6	1001(5)	Concrete Grade C 40	m ³	65.00	38,000.00	2,470,000.00
		Reinforcement				
7	1002(1)	Tor Steel reinforcement	kg	14,600.00	298.15	4,352,990.00
8	1002(3)	Mild Steel reinforcement	kg	900.00	302.92	272,628.00
		Rubble work				
9	1006(1)	Random rubble masonry	m ³	20.00	15,861.60	317,232.00
		Prestressed Concrete				
10	1003(1)a	Supply of PSC beams(7.01m long-T/B507)	Nos.	34.00	228,420.00	7,766,280.00
11	1003(2)a	Launching of beams(7.01m)	Nos.	34.00	138,700.00	4,715,800.00
		Formwork				
12	1008(1)	Formwork smooth finish	m ²	2,800.00	2,504.46	7,012,488.00
13	1008(2)	Formwork rough finish	m ²	200.00	2,265.94	453,188.00
		Weephole				
14	705(1)	100mm crushed stone back fill material	m ³	355.00	5,366.71	1,905,182.05
15	705(2)	37.5mm maximum size crushed stone - filter material	m ³	20.00	6,678.57	133,571.40
16	706(1)	Weep hole, 110mm dia. PVC pipe (Type 600)	m	1,100.00	4,374.46	4,811,906.00
		Drain pipes				
17	706(2)	Rainwater outlet/Duts 110mm dia PVC pipe (Type 600)	m	15.00	5,400.00	81,000.00
18	1020(1)c	50mm dia. PVC drain pipes	m	7.00	4,000.00	28,000.00
		Expansion joint				
19	1009(1)	Mild Steel angle iron hard rubber Expansion Joint	m	40.00	20,400.00	816,000.00
		Dowels				
20	1002(2)	20mm Dia Tor Steel Dowels	kg	460.00	600.00	276,000.00
21	1002(3)	20mm Dia hot rolled mild steel Dowels	kg	40.00	302.92	12,116.80
		Bridge Bearings				
22	1010(2)	75mm*12mm hard rubber bearing pad	m	40.00	24,000.00	960,000.00
		Miscellaneous				
23	1016(1)	Servise duct size 500*450 formed in deck	m	30.00	6,000.00	180,000.00
24	1017(1)	Cover slab (500*400*75mm)	Nos.	30.00	2,400.00	72,000.00
25	1013(1)	Bituminous sealing felt under beams	m	30.00	3,500.00	105,000.00
26	1014(1)	Bituminous sealing felt under approach slab	m	36.00	3,500.00	126,000.00

BILL No.6 : BRIDGES, CULVERTS AND OTHER STRUCTURES

ITEM		DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT (Rs)
Bill	Pay					
		Kerbs				
27	807(4)	Bridge Kerbs	m	75.00	5,008.93	375,669.75
28	807(2)	Lower Kerbs	m	50.00	3,806.78	190,339.00
		Railing				
29	814(2)	End pilasters	Nos.	12.00	94,000.00	1,128,000.00
30	808(1)	Guard stone	Nos.	24.00	6,296.94	151,126.56
31	814(1)	Hand Rails and uprights	m	72.00	9,805.00	705,960.00
6.2		RECONSTRUCTION / WIDENNING OF CULVERTS				
32	707(1)	Laying and jointing of pipes,600mm dia. (Single row)	m	14.64	20,035.70	293,322.65
33	707(2)	Laying and jointing of pipes,600mm dia. (Double	m	4.88	29,475.00	143,838.00
34	707(3)	Laying and jointing of pipes,900mm dia. (single row)	m	19.52	30,053.56	586,645.49
35	707(4)	Laying and jointing of pipes,900mm dia. (Double	m	4.88	39,612.00	193,306.56
36	1001(1)	Concrete Grade C 15	m ³	15.00	25,605.15	384,077.25
37	1001(3)	Concrete Grade C 25	m ³	20.00	29,218.74	584,374.80
38	1002(1)	Tor Steel reinforcement	kg	350.00	298.15	104,352.50
39	1006(1)	Random rubble masonry	m ³	15.00	15,861.60	237,924.00
40	1006(2)	Plastering, 1:3 cement sand mix ,16mm thick	m ²	100.00	1,419.20	141,920.00
41	1008(1)	Formwork smooth finish	m ²	25.00	2,504.46	62,611.50
42	1008(2)	Formwork rough finish	m ²	10.00	2,265.94	22,659.40
43	705(1)	Aggregate back fill material 50-200mm	m ³	5.00	6,450.00	32,250.00
44	705(2)	37.5mm Filter Material Crushed stone	m ³	5.00	6,678.57	33,392.85
45	706(1)	Weep hole, 75mm dia. PVC pipe (Type 600)	m	10.00	4,374.46	43,744.60
		Precast Culverts				
46	707(11)	1*1	m	90.00	220,000.00	19,800,000.00
47	707(12)	1.5*1	m	20.00	240,000.00	4,800,000.00
48	707(13)	2*1.5	m	10.00	250,000.00	2,500,000.00
6.3		COSTRUCTION OF RETAINING WALL				
49	301(14)	Excavation in unclassified soil for foundtion and backfilling	Cu.m.	500.00	4,174.11	2,087,055.00
50	1008(2)	Formwork rough finish	m ²	125.00	2,265.94	283,242.50
51	1008(1)	Formwork smooth finish	m ²	925.00	2,504.46	2,316,625.50
52	1001(1)	Concrete Grade C 15	Cu.m.	375.00	25,605.15	9,601,931.25
53	1001(3)	Concrete Grade C 25	Cu.m.	90.00	29,218.74	2,629,686.60
54	1006(2)	Plastering, 1:3 cement sand mix ,16mm thick	Sq.m	520.00	1,419.20	737,984.00
55	706(1)	Weep hole,110 mm dia. PVC pipe (Type 600)	L.m.	100.00	4,374.46	437,446.00
56	705(1)	50-200mm aggregate backfilling behind retaining wall/toewalls	Cu.m.	150.00	6,678.57	1,001,785.50
57	705(2)	Supplying & packing 75mm thick 40mm stone filter layer behind dry stone lining.	Cu.m.	25.00	6,678.57	166,964.25
58	1002(1)	Tor Steel reinforcement	kg	2,000.00	298.15	596,300.00
Bill No.6 Carried to Summary:						142,966,947.36

BILL NO: 7 - SUB - DRAINAGE CONSTRUCTIONS

ITEM		DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT (Rs)
Bill	Pay					
7.1		Concrete				
1	1001(1)	Grade C 15	m ³	115.00	25,640.93	2,948,706.95
2	1001 (2)	Grade C 20	m ³	350.00	27,429.83	9,600,440.50
3	1001(3)	Grade C 25	m ³	10.00	29,218.74	292,187.40
4	1006 (1)	Random rubble masonry	m ²	50.00	15,861.60	793,080.00
5	1006(2)	plasing 1.3 cement sand mix ,16mm thick	m ²	200.00	1,419.20	283,840.00
		Precast Drains				
6	701(9)	0.45*0.45*1.5	Nos	135.00	26,765.00	3,613,275.00
7	701(10)	0.6*0.6*1.5	Nos	440.00	34,350.00	15,114,000.00
8	701(11)	1*0.8*1.5	Nos	20.00	63,600.00	1,272,000.00
7.2		Precast Concrete cover slab				
9	701 (4)	690 x 600 x100mm for drain	m ²	120.00	6,500.00	780,000.00
11	701 (5)	840 x600 x 125mm for drain	m ²	400.00	8,825.25	3,530,100.00
12	701 (6)	1300x600x150mm for drain	m ²	60.00	16,482.91	988,974.60
13	1002 (1)	Tor - Steel reaiforcement	kg	9,000.00	298.15	2,683,350.00
14	1008 (1)	Formwork smoth finish	m ²	1,400.00	2,504.46	3,506,244.00
15	1008 (2)	Formwork rough finish	m ²	25.00	2,265.94	56,648.50
7.3		Clearing and Repairing Culverts and Drains				
16	1301(1)	Clearing and reshaping of earth drains	m	500.00	1,073.34	536,670.00
17	1303(2)	Clearing and Desilting culverts	No	60.00	1,812.75	108,765.00
TOTAL FOR BILL NO 7 CARRIED FORWARD TO MAIN SUMMARY						46,108,281.95

20/10/20

BILL No.8 : INCIDENTAL WORKS

ITEM		DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT (Rs)
Bill	Pay					
8.1		TOP SOILING				
1	801(1)	Furnish, Spread and compact top soil	m ²	3,000.00	250.45	751,350.00
8.2		GRASSING				
2	802(1)	Grass sodding	m ²	3,000.00	524.74	1,574,220.00
8.3		RIP RAP PROTECTION FOR EMBANKMENT SLOPES				
3	804(1)	Dumped Rip Rap	m ³	300.00	8,109.69	2,432,907.00
		GABIONS WALLS AND MATTRESSES USING WIRE BASKETS				
4	805(1)	Gabions	m ³	15.00	18,636.00	279,540.00
8.4		PAVED SIDE WALKS				
5	806(1)	Precast concrete slab (450x450x50mm) paving	m ²	2,100.00	4,770.41	10,017,861.00
8.5		PRE CAST CONCRETE KERBS AND CHANNELS				
6	807(1)	Standard kerb	m	1,400.00	3,806.78	5,329,492.00
7	808(1)	Guard stones	nr	250.00	6,296.94	1,574,235.00
8	808(3)	Guard rails for foot walk	m	40.00	9,800.00	392,000.00
8.6		ROAD MARKING				
		<i>Center line :</i>				
9	810(1)	Continuous	m ²	600.00	2,671.43	1,602,858.00
10	810(2)	Intermittent	m ²	500.00	2,587.95	1,293,975.00
		<i>Edge line :</i>				
11	810(3)	Continuous	m ²	2,200.00	2,671.43	5,877,146.00
12	810(4)	Pedestrian crossing	m ²	136.00	2,587.95	351,961.20
13	810(5)	Road Studs	nr	602.00	2,045.31	1,231,276.62
8.7		ROAD SIGNS				
		<i>Reflective road sign :</i>				
14	811(1)	Single pole, sign area up to 0.5m ²	nr	74.00	20,870.53	1,544,419.22
15	811(2)	Double pole, sign area up to 2.0m ²	nr	6.00	60,822.67	364,936.02
16	811(3)	Chevron warning sign	nr	20.00	23,494.25	469,885.00
17	811(4)	Flag Type Sign	nr	4.00	23,852.03	95,408.12
8.8		CONCRETE KERB INLETS				
18	813(1)	Kerb inlet k1/t1	nr	70.00	19,081.62	1,335,713.40
8.9		KILOMETRE POSTS				
19	815(2)	Reposition Existing kilometre post	nr	9.00	5,843.75	52,593.75
20	815(3)	Painting Existing kilometre post	nr	9.00	6,678.57	60,107.13
8.10		SAFETY MEASURES				
21	808(2)	W-Beams (Length and Locations are decided by the Enginner.	m	60.00	34,000.00	2,040,000.00
Bill No. 8 Carried to Summary						38,671,884.46

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BILL No. 10: MAINTENANCE OF ROAD

ITEM		DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT (Rs)
Bill	Pay					
MAINTENANCE OF CARRIAGEWAY						
1	1101(1)	Filling pot-holes and patch repairs with Asphalt concrete cold mix (Mc30), 20mm & less in depth	m ²	500.00	3,088.84	1,544,420.00
2	1101(2)	Filling pot-holes and patch repairs with Asphalt concrete cold mix (Mc30), 75mm & less in depth	m ²	400.00	6,261.16	2,504,464.00
3	1101(3)	Filling pot-holes and patch repairs with Asphalt concrete cold mix (Mc30), deeper than 75mm	m ²	200.00	7,164.00	1,432,800.00
Bill No.10 Carried to summary:						5,481,684.00

BILL No.11 : PROVISIONAL SUMS

ITEM		DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT (Rs)
Bill	Pay					
1	103(2)	Temporary by-passes for culverts, bridges and other structures	PS			8,000,000.00
2	113.1(1)	Repairs to damages of existing services	PS			1,500,000.00
3	113.1(2)	Demolition / Rebuilding of property	PS			3,000,000.00
4	117.1(1)	Diversion, protection or removal of electrical services	PS			7,000,000.00
5	117.1(2)	Diversion, protection or removal of water services	PS			2,000,000.00
6	117.1(3)	Diversion, protection or removal of telecommunication services	PS			6,000,000.00
7	703(1)	Grade adjustment of existing manholes	PS			1,000,000.00
9		Allow for Contractor's overheads and profit for above Provisional Sum items.	%	28,500,000.00	30%	8,550,000.00
Bill No. 11 Carried to Summary						37,050,000.00



BILL No.12 : SCHEDULE OF DAY WORKS RATES**12.1 : LABOUR DAY WORKS**

All Quantities are Provisional					
ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT (Rs)
1	Surveyor	Hr	100	715.56	71,556.00
2	Laboratory Technician (skilled)	Hr	150	500.89	75,133.50
3	Carpenter	Hr	100	375.67	37,567.00
4	Mason	Hr	100	375.67	37,567.00
5	Steel Fixer	Hr	40	375.67	15,026.80
6	Semi-skilled workman	Hr	100	333.93	33,393.00
7	Unskilled workman (labourer)	Hr	150	238.52	35,778.00
Labour - Day works Carried to forward :					306,021.30

BILL No.12 : SCHEDULE OF DAY WORKS RATES**12.2 : EQUIPMENT DAY WORKS**

All Quantities are Provisional					
ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT (Rs)
1	Bowser, water, up to 6,000 litres with Spray Bar	Hr	60	2,714.36	162,861.60
2	Backhoe, wheeled, 50 - 100 HP	Hr	60	3,100.76	186,045.60
3	Backhoe, tracked, 50 - 100 HP	Hr	60	3,398.91	203,934.60
4	Motor grader, 120 to 140HP	Hr	100	6,559.31	655,931.00
5	Mobile Crane 25 tonnes	Hr	20	17,889.02	357,780.40
6	Water pump with hoses, 50 to 100 mm outlet	Hr	100	715.56	71,556.00
7	Concrete mixer, over 0.50 cu.m.	Hr	100	5,366.71	536,671.00
8	Generator, 10 to 50 KVA	Hr	100	1,788.90	178,890.00
9	Poker Vibrator, petrol driven	Hr	100	715.56	71,556.00
10	Steel-wheeled roller 8 to 10 tonnes	Hr	40	3,700.00	148,000.00
11	Pneumatic-tyed roller ,vibratory, 8 to 10 tonnes	Hr	40	3,000.00	120,000.00
12	Hand roller vibratory, 1/2-1 tone	Hr	40	1,210.00	48,400.00
13	Plate compactor, vibratory over 90 kg	Hr	40	700.00	28,000.00
14	Rammer ,mechanical, over 60 kg	Hr	40	825.00	33,000.00
Equipment Day works Carried to forward :					2,802,626.20

12.3: MATERIAL DAY WORKS

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Rs.)
1	Aggregate base, dense graded (37.5mm)	m ³	10	4,935.00	49,350.00
2	Asphalt concrete, cold mix	mt	10	15,000.00	150,000.00
3	Asphalt concrete, hot mix	mt	10	18,480.00	184,800.00
4	Bitumen emulsion, (CRS 1, CRS 2, CSS 1)	ltr	10	99.00	990.00
5	Bitumen prime coat, cutback MC	ltr	10	154.00	1,540.00
6	Bitumen, sraight run, 60/70 penetration	ltr	10	132.00	1,320.00
7	Block, cement, 400*200*100mm	no	10	475.00	4,750.00
8	Cement, ordinary Portland	mt	10	24,000.00	240,000.00
9	Concrete pipe, reinforced 600mm diameter	m	10	12,100.00	121,000.00
10	Concrete pipe, reinforced 900mm diameter	m	10	18,000.00	180,000.00
11	Concrete pipe, reinforced 1,200mm diameter	m	10	21,000.00	210,000.00
12	Concrete, Grade 15/20	m ³	10	16,300.00	163,000.00
13	Concrete, Grade 20/20	m ³	10	18,150.00	181,500.00
14	Formwork, timber (smooth)	m ²	10	2,000.00	20,000.00
15	Pipe, PVC, 100mm diameter (Type 600)	m	10	858.00	8,580.00
16	Reinforcement, high-yield steel, Grade 460/425	kg	10	220.00	2,200.00
17	Reinforcement, mild steel, Grade 250	kg	10	198.00	1,980.00
18	Rubble, 100 - 150 mm	m ³	10	4,000.00	40,000.00
19	Rubble, 150 - 250 mm	m ³	10	3,410.00	34,100.00
20	River Sand	m ³	10	5,000.00	50,000.00
21	Timber, Class 2, Sri Lanka Timber Corporation	m ³	10	30,000.00	300,000.00
22	Auto diesel	ltr	10	125.00	1,250.00
23	Petrol	ltr	10	165.00	1,650.00
24	Kerosene Oil	ltr	10	110.00	1,100.00
Material- Day works Carried to forward :					1,949,110.00

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IMPROVEMENT AND REHABILITATION OF PRIORITY ROAD PROJECT
DAMBOKKA - KATUPITTIYA ROAD (8.75 km) - B087
(FROM 0.00 - 8.75)

Grand Summary

Bill No.	Description	Contract Value (Rs)
1	Preliminary and General 1 A	304,407,828.49
	Preliminary and General 1 B	21,252,156.48
2	Site Clearing	16,742,136.10
3	Earthworks	162,433,786.00
4	Sub Base, Base & Shoulders	263,696,020.00
5	Surface Application	277,524,565.00
6	Bridges and Culverts	205,666,342.97
7	Drainage Construction	48,621,483.29
8	Incidental Construction	26,224,756.80
10	Maintenance of Roads	5,481,684.00
11	PS -Items	44,200,000.00
12	Day works -Labour	306,021.30
	Day works -Equipment	2,802,626.20
	Day Works - Material	1,949,110.00
	Sub Total - 1	1,381,308,516.63
	Provision for Price Escalation - 10% of Sub Total 1	138,130,851.66
	Contingencies	69,065,425.84
	GRAND TOTAL (TENDER PRICE)	1,588,504,794.13
	Rates based on Galagedara - Rambukkana Rd	

21
2

BILL No.1A : PRELIMINARY GENERAL

ITEM NO		DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT (Rs)
Bill	Pay					
1	108.1(1)	Allow for cost of providing Performance Security	LS			28,900,000.00
2	108.2(1)	Allow for the cost of providing Insurances	LS			9,840,000.00
3	108.3(1)	Mobilization of Contractor's facilities and Plant / Equipment	LS	Item		42,608,695.65
4	108.3(2)	De-Mobilization of Contractor's facilities & Plant / Equipment	LS	Item		10,610,030.00
5	108.7(1)	Provide and maintain Project sign board	nr	2	240,000.00	480,000.00
6	108.7(2)	Provide and maintain Project Plaques	nr	2	180,000.00	360,000.00
7	118.4(1)	Provide Main office for the Engineer. (1 No)	PS			6,000,000.00
8	118.4(1)	Provide Secondary office for the Engineer (1No)	PS			3,000,000.00
9	118.4(2)	Provide office for the Employer	PS			4,000,000.00
10	118.6(1)	Provide Housing for the Employer	PS			2,000,000.00
11	118.6(2)	Provide Housing for the Engineer	PS			2,000,000.00
		<u>Vehicles for the Engineer</u>				
12	118.8(1)	Provide Vehicle Type 1A as specified in appendix 4 of Volume 2	PS			18,000,000.00
13	118.8(2)	Provide Vehicle Type 1B as specified in appendix 4 of Volume 2	PS			16,000,000.00
14	118.8(3)	Provide Vehicle Type 3 as specified in appendix 4 of Volume 2	PS			7,000,000.00
15	118.8(4)	Provide Vehicle Type 4 as specified in appendix 4 of Volume 2	PS			1,000,000.00
16	118.8(5,6)	Overhead and Profit for Supply of Vehicles Type 1A & 1B	%	34,000,000.00	15%	5,100,000.00
17	118.8(7)	Overhead and Profit for Supply of Vehicles Type 3	%	7,000,000.00	15%	1,050,000.00
18	118.8(8)	Overhead and Profit for Supply of Vehicles Type 4	%	1,000,000.00	15%	150,000.00
		<u>Vehicles for the Employer</u>				
19	118.8(13)	Provide Vehicle Type 1A as specified in appendix 4 of Volume 2	PS			8,000,000.00
20	118.8(15)	Provide Vehicle Type 2 as specified in appendix 4 of Volume 2	PS			10,000,000.00
21	118.8(16)	Overhead and Profit for Supply of Vehicles Type 1 A	%	8,000,000.00	15%	1,200,000.00
22	118.8(18)	Overhead and Profit for Supply of Vehicles Type 2	%	10,000,000.00	15%	1,500,000.00
23	118.9(1)	Provide Main Laboratory	PS			3,000,000.00
24	118.9(2)	Provide Secondary Laboratory	PS			2,000,000.00
25	118.9(3)	Provide Equipment for the Main Laboratory	PS			5,000,000.00
26	118.9(4)	Provide Equipment for the Field Laboratory	PS			3,000,000.00
27	118.10(1)	Provide and maintain Survey equipment	PS			3,500,000.00
28	119(1)	Longitudinal and Cross sectional detailing of full pavement width	km	18.56	813,354.14	15,095,852.84
29	118(1)	Supplying & Maintaining all facilities for Engineer & Employer including 15% Over head charges.	PS			84,013,250.00
30	120(1)	Administrative cost for the Project Management Unit	PS			10,000,000.00
Bill No. 1A Carried to Summary						304,407,828.49

21/2

BILL No.1B : PRELIMINARY GENERAL

ITEM NO		DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT (Rs)
Bill	Pay					
1	103(1)	Management, Safety and Control and Temporary Diversion of Traffic, including provision of a general traffic management plan in accordance with technical specifications clause 112.8 of the general items.	mon	18	1,073,341.24	19,320,142.32
2	108.4(1)	Progress Photographs	mon	18	107,334.12	1,932,014.16
Bill No. 1B Carried to Summary						21,252,156.48

BILL No.2 : SITE CLEARING

ITEM NO		DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT (Rs)
Bill	Pay					
CLEARING AND GRUBBING						
1	201(1)	Clearing and grubbing	m ²	7,500.00	57.24	429,300.00
		<i>Remove trees :</i>				
2	201(2)	- Girth 600 to 1,200 mm	nr	100.00	7,990.43	799,043.00
3	201(3)	- Girth 1,200 to 2,000 mm	nr	50.00	18,485.32	924,266.00
4	201(4)	- Girth over 2000 mm	nr	20.00	35,000.00	700,000.00
		<i>Remove Branches :</i>				
5	201(5)	- Girth 300 to 600 mm	nr	200.00	3,816.32	763,264.00
6	201(6)	- Girth 600 to 1,200 mm	nr	100.00	5,963.01	596,301.00
7	201(7)	- Girth over 1,200 mm	nr	75.00	13,595.66	1,019,674.50
		<i>Remove Stumps :</i>				
8	201(8)	- Girth 600 to 1,200 mm	nr	20.00	14,311.22	286,224.40
9	201(9)	- Girth 1200 to 2000 mm	nr	20.00	20,035.70	400,714.00
10	201(10)	- Girth over 2000 mm	nr	10.00	40,000.00	400,000.00
2.2 REMOVAL OF STRUCTURES & OBSTRUCTIONS						
11	202(1)	Dismantle & remove brick masonry structures (Provisional)	m ³	460.00	3,816.32	1,755,507.20
12	202(2)	Dismantle & remove Random Rubble masonry structures (Provisional)	m ³	600.00	6,177.68	3,706,608.00
13	202(3)	Dismantle & remove concrete structures (Provisional)	m ³	300.00	10,184.82	3,055,446.00
14	202(4)	Dismantle & remove Dress stone masonry structures (Provisional)	m ³	100.00	6,177.68	617,768.00
15	202(5)	Remove fencing (Provisional Quantity)	m	6,000.00	214.67	1,288,020.00
Bill No.2 Carried to Summary						16,742,136.10

24/
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BILL No.3 : EARTH WORKS

ITEM NO		DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT (Rs)
Bill	Pay					
3.1		ROADWAY EXCAVATION				
1	301(1)	Roadway excavation , soil suitable for fill	m ³	100.00	954.08	95,408.00
2	301(8)	Roadway excavation , soft rock (Provisional Quantity)	m ³	750.00	6,500.00	4,875,000.00
3	301(2)	Roadway excavation , boulders (Provisional Quantity)	m ³	900.00	7,186.00	6,467,400.00
4	301(3)	Roadway excavation, hard rock.(Provisional Quantity)	m ³	1,200.00	5,724.49	6,869,388.00
5	301(4)	Roadway excavation, unsuitable soil	m ³	7,200.00	1,431.12	10,304,064.00
6	301(6)	Road Pavement Excavation	m ³	150.00	2,827.00	424,050.00
		STRUCTURE EXCAVATION AND BACKFILL				
7	302(1)	Excavation for structures & backfill in suitable soil	m ³	100.00	4,174.11	417,411.00
8	302(2)	Excavation for structures, unsuitable soil and backfill with suitable material	m ³	300.00	4,174.11	1,252,233.00
3.3		EMBANKMENT CONSTRUCTION				
9	304(1)	Trim, level and compact Original gravel	m ²	35,000.00	124.03	4,341,050.00
10	304(5)	Embankment construction, Type 1 with available	m ³	100.00	3,220.02	322,002.00
11	304(6)	Embankment construction, Type 2, with available suitable	m ³	200.00	2,981.50	596,300.00
12	304(2)	Embankment construction, Type 1 with borrow material	m ³	20,900.00	3,220.02	67,298,418.00
13	304(3)	Embankment construction, Type 2, with borrow material suitable	m ³	12,800.00	2,921.87	37,399,936.00
14	304 (4)	Boulder packing for soft ground treatment including geofabric	m ³	1,600.00	7,800.00	12,480,000.00
3.4		CHANNEL EXCAVATION				
15	307(1)	Channel excavation, suitable soil	m ³	100.00	1,134.00	113,400.00
16	307(5)	Channel excavation, soft rock (Provisionl Quantity)	m ³	300.00	6,800.00	2,040,000.00
17	307(3)	Channel excavation, hard rock (Provisionl Quantity)	m ³	400.00	9,391.74	3,756,696.00
18	307(4)	Channel excavation, unsuitable soil	m ³	3,000.00	1,127.01	3,381,030.00
Bill No.3 Carried to Summary :						162,433,786.00

201
2

BILL No.4 : SUB BASE, BASES AND SHOULDERS

ITEM NO		DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT (Rs)
Bill	Pay					
1	401(1)	Sub base as compacted in position	m ³	10,500.00	3,100.76	32,557,980.00
2	405(1)	Dense graded aggregate base	m ³	20,000.00	9,624.29	192,485,800.00
3	408(1)	Scarify and Remove existing bitumen layer	m ²	20,000.00	125.22	2,504,400.00
4.2		SHOULDERS				
4	409(1)	Earthen shoulder as compacted in position	m ³	2,625.00	3,816.32	10,017,840.00
5	409(2)	Dense graded aggregate shoulder as compacted in position	m ³	2,500.00	8,200.00	20,500,000.00
6	409(3)	Trench excavation for cross shoulder drain	m ³	150.00	4,200.00	630,000.00
7	1710(1)	Geotextile for cross shoulder drain	m ²	2,000.00	2,500.00	5,000,000.00
Bill No. 4 Carried to Summary						263,696,020.00

BILL No.5 : SURFACE APPLICATION AND SURFACINGS

ITEM NO		DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT (Rs)
Bill	Pay					
5.1		PRIME COAT AND TACK COAT				
1	501(1)	Bituminous Prime Coat using M30 at 1 litre per m ²	m ²	81,000.00	298.15	24,150,150.00
2	501(2)	Extra over For MC30	liter	50.00	298.15	14,907.50
3	502(1)	Bituminous Tack Coat (Cationic Emulsion grade CRS1 at 0.3 litre/m ²)	m ²	105,000.00	131.19	13,774,950.00
4	502(2)	Extra over For CRS1	liter	50.00	298.15	14,907.50
5.2		BITUMINOUS SURFACING				
5	506.1	Asphalt concrete in wearing course 50mm compacted thickness	m ²	81,000.00	2,957.65	239,569,650.00
Bill No. 5 Carried to Summary						277,524,565.00

BILL No.6 : BRIDGES, CULVERTS AND OTHER STRUCTURES

ITEM NO		DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT (Rs)
Bill	Pay					
6.1		STRUCTURES -Reconstruction of Bridge No.3/1,8/1,9/1 & Widening of Bridge No 6/4				
		Excavation&Backfill				
1	302(1)	Excavation & backfill in suitable soil	m ³	768.00	4,174.11	3,205,716.48
2	302(2)	Excavation in unsuitable soil & backfill with suitable soil	m ³	1,800.00	4,174.11	7,513,398.00
		Concrete for Structure				
3	1001(1)	Concrete Grade C 15	m ³	1,075.00	25,605.15	27,525,536.25
4	1001(3)	Concrete Grade C 25	m ³	288.00	29,218.74	8,414,997.12
5	1001(4)	Concrete Grade C 30	m ³	5.00	30,447.11	152,235.55
6	1001(5)	Concrete Grade C 40	m ³	64.00	38,000.00	2,432,000.00
		Reinforcement				
7	1002(1)	Tor Steel reinforcement	kg	14,233.00	298.15	4,243,568.95
8	1002(3)	Mild Steel reinforcement	kg	2,627.00	302.92	795,770.84
		Rubble work				
9	1006(1)	Random rubble masonry	m ³	15.00	15,861.60	237,924.00
		Prestressed Concrete				
10	1003(1)a	Supply of PSC beams(7.085m long- as per Drawing No T/B/030	Nos.	37.00	228,420.00	8,451,540.00
11	1003(2)a	Launching of beams(7.085m)	Nos.	37.00	138,700.00	5,131,900.00
12	1003(1)b	Supply of PSC beams(10.5m long- as per Drawing No T/B/030	Nos.	18.00	410,000.00	7,380,000.00
13	1003(2)b	Launching of beams(10.5m)	Nos.	18.00	245,000.00	4,410,000.00
		Formwork				
14	1008(1)	Formwork smooth finish	m ²	1,935.00	2,504.46	4,846,130.10
15	1008(2)	Formwork rough finish	m ²	188.00	2,265.94	425,996.72
		Weephole				
16	705(1)	100mm crushed stone back fill material	m ³	244.00	5,366.71	1,309,477.24
17	705(2)	37.5mm maximum size crushed stone - filter material	m ³	29.00	6,678.57	193,678.53
18	706(1)	Weep hole, 110mm dia. PVC pipe (Type 600)	m	275.00	4,374.46	1,202,976.50
		Drain pipes				
19	706(2)	Rainwater outlet/Duts 110mm dia PVC pipe (Type 600)	m	8.00	5,400.00	43,200.00
20	1020(1)c	50mm dia. PVC drain pipes	m	7.00	4,000.00	28,000.00
		Expansion joint				
21	1009(1)	Mild Steel angle iron hard rubber Expansion Joint	m	70.00	20,400.00	1,428,000.00
		Dowels				
22	1002(2)	20mm Dia stain less Steel Dowels	kg	28.00	600.00	16,800.00
23	1002(3)	20mm Dia hot rolled mild steel Dowels	kg	60.00	302.92	18,175.20
		Bridge Bearings				
24	1010(2)	75mm*12mm hard rubber bearing pad	m	60.00	24,000.00	1,440,000.00

BILL No.6 : BRIDGES, CULVERTS AND OTHER STRUCTURES

ITEM NO		DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT (Rs)
Bill	Pay					
		Miscellaneous				
25	1016(1)	Servise duct size 500*450 formed in deck	m	30.00	6,000.00	180,000.00
26	1017(1)	Cover slab (600*500*50mm)	Nos.	202.00	2,400.00	484,800.00
27	1013(1)	Bituminous sealing felt under beams	m	54.00	3,500.00	189,000.00
28	1014(1)	Bituminous sealing felt under approach slab	m	36.00	3,500.00	126,000.00
		Kerbs				
29	807(4)	Bridge Kerbs	m	100.00	5,008.93	500,893.00
30	807(2)	Lower Kerbs	m	100.00	3,806.78	380,678.00
		Railing				
31	814(2)	End pilasters	Nos.	12.00	94,000.00	1,128,000.00
32	808(1)	Guard stone	Nos.	36.00	6,296.94	226,689.84
33	814(1)	Hand Rails and uprights	m	48.32	9,805.00	473,777.60
6.3		RECONSTRUCTION/WIDENNING OF CULVERTS				
34	1001(1)	Concrete Grade C 15	m ³	3.00	25,605.15	76,815.45
35	1001(3)	Concrete Grade C 25	m ³	25.00	29,218.74	730,468.50
36	1002(1)	Tor Steel reinforcement	kg	100.00	298.15	29,815.00
37	1006(1)	Random rubble masonry	m ³	15.00	15,861.60	237,924.00
38	1006(2)	Plastering, 1:3 cement sand mix ,16mm thick	m ²	15.00	1,419.20	21,288.00
39	1008(1)	Formwork smooth finish	m ²	200.00	2,504.46	500,892.00
40	1008(2)	Formwork rough finish	m ²	20.00	2,265.94	45,318.80
41	705(1)	Aggregate back fill material 50-200mm	m ³	10.00	6,450.00	64,500.00
42	705(2)	37.5mm Filter Material Crushed stone	m ³	10.00	6,678.57	66,785.70
43	706(1)	Weep hole, 75mm dia. PVC pipe (Type 600)	m	10.00	4,374.46	43,744.60
		Precast Culverts				
44	707(11)	1*1 Units	m	200.00	220,000.00	44,000,000.00
45	707(12)	1.5*1 Units	m	20.00	240,000.00	4,800,000.00
46	707(13)	2*1.5 Units	m	76.00	250,000.00	19,000,000.00

21/
2

BILL No.6 : BRIDGES, CULVERTS AND OTHER STRUCTURES

ITEM NO		DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT (Rs)
Bill	Pay					
COSTRUCTION OF RETAINING WALL						
47	301(14)	Excavation in unclassified soil for foundtion and backfilling	Cu.m.	700.00	4,174.11	2,921,877.00
48	1008(2)	Formwork rough finish	m ²	175.00	2,265.94	396,539.50
49	1008(1)	Formwork smooth finish	m ²	1,600.00	2,504.46	4,007,136.00
50	1001(1)	Concrete Grade C 15	Cu.m.	50.00	25,605.15	1,280,257.50
51	1001(3)	Concrete Grade C 25	Cu.m.	900.00	29,218.74	26,296,866.00
52	1006(2)	Plastering, 1:3 cement sand mix ,16mm thick	m ²	400.00	1,419.20	567,680.00
53	706(1)	Weep hole, 75mm dia. PVC pipe (Type 600)	m	410.00	4,374.46	1,793,528.60
54	705(1)	50-200mm aggregate backfilling behind retaining wall/toewalls	Cu.m.	350.00	6,678.57	2,337,499.50
55	705(2)	Supplying & packing 75mm thick 40mm stone filter layer behind dry stone lining.	Cu.m.	170.00	6,678.57	1,135,356.90
56	1002(1)	Tor as reinforcement	kg	2,600.00	298.15	775,190.00
Bill No. 6 Carried to Summary						205,666,342.97

21
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BILL NO:7 - SUB - DRAINAGE CONSTRUCTIONS

ITEM NO		DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT (Rs)
Bill	Pay					
1	1001 (1)	Grade C 15	m ³	20.00	25,640.93	512,818.60
2	1001 (2)	Grade C 20	m ³	25.00	27,429.83	685,745.75
3	1001 (3)	Grade C 25	m ³	10.00	29,218.74	292,187.40
4	1006 (1)	Random rubble masonry	m ²	15.00	15,861.60	237,924.00
5	1006 (2)	plasing 1.3 cement sand mix ,16mm thick	m ²	50.00	1,419.20	70,960.00
		Precast Drains				
6	701(9)	0.45*0.45*1.5	Nos	400.00	26,765.00	10,706,000.00
7	701(10)	0.6*0.6*1.5	Nos	700.00	34,350.00	24,045,000.00
8	701(11)	1*0.8*1.5	Nos	20.00	63,600.00	1,272,000.00
		Precast Concrete cover slab				
9	701 (4)	690 x 600 x100mm for drain	m ²	207.00	6,500.00	1,345,500.00
10	701 (5)	840 x600 x 125mm for drain	m ²	756.00	8,825.25	6,671,889.00
11	701 (6)	1300x600x150 mm for drain	m ²	9.36	16,482.91	154,280.04
12	1002 (1)	Tor - Steel reaforcement	kg	700.00	298.15	208,705.00
13	1008 (1)	Formwork smoth finish	m ²	500.00	2,504.46	1,252,230.00
14	1008 (2)	Formwork rough finish	m ²	25.00	2,265.94	56,648.50
7.3		Clearing and Repairing Culverts and Drains				
15	1301(1)	Clearing and reshaping of earth drains	m	1,000.00	1,073.34	1,073,340.00
16	1303(2)	Clearing and Desilting culverts	No	20.00	1,812.75	36,255.00
TOTAL FOR BILL NO 7 CARRIED FORWARD TO MAIN SUMMARY						48,621,483.29

BILL No.8 : INCIDENTAL WORKS

ITEM NO		DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT (Rs)
Bill	Pay					
8.1		TOP SOILING				
1	801(1)	Furnish, Spread and compact top soil	m ²	6,000.00	250.45	1,502,700.00
8.2		GRASSING				
2	802(1)	Grass sodding	m ²	6,000.00	524.74	3,148,440.00
8.3		RIP RAP PROTECTION FOR EMBANKMENT SLOPES				
3	804(1)	Dumped Rip Rap	m ³	200.00	8,109.69	1,621,938.00
		GABIONS WALLS AND MATTRESSES USING WIRE BASKETS				
4	805(1)	Gabions	m ³	15.00	18,636.00	279,540.00
8.4		PAVED SIDE WALKS				
5	806(1)	Precast concrete slab (450x450x50mm) paving	m ²	400.00	4,770.41	1,908,164.00
8.5		PRE CAST CONCRETE KERBS AND CHANNELS				
6	807(1)	Standard kerb	m	40.00	3,806.78	152,271.20
7	808(1)	Guard stones	nr	250.00	6,296.94	1,574,235.00
8	808(3)	Guard rails for foot walk	m	40.00	9,800.00	392,000.00
8.6		ROAD MARKING				
		<i>Center line :</i>				
9	810(1)	Continuous	m ²	550.00	2,671.43	1,469,286.50
10	810(2)	Intermittent	m ²	400.00	2,587.95	1,035,180.00
		<i>Edge line :</i>				
11	810(3)	Continuous	m ²	1,800.00	2,671.43	4,808,574.00
12	810(4)	Pedestrian crossing	m ²	300.00	2,587.95	776,385.00
13	810(5)	Road Studs	nr	400.00	2,045.31	818,124.00
		ROAD SIGNS				
		<i>Reflective road sign :</i>				
14	811(1)	Single pole, sign area up to 0.5m ²	nr	56.00	20,870.53	1,168,749.68
15	811(2)	Double pole, sign area up to 2.0m ²	nr	2.00	60,822.67	121,645.34
16	811(3)	Chevron warning sign	nr	2.00	23,494.25	46,988.50
17	811(4)	Flag Type Sign	nr	2.00	23,852.03	47,704.06
8.8		CONCRETE KERB INLETS				
18	813(1)	Kerb inlet k1/t1	nr	8.00	19,081.62	152,652.96
		KILOMETRE POSTS				
19	815(2)	Reposition existing kilometre post	nr	8.00	5,843.75	46,750.00
20	815(3)	Paintig Existing kilometre post	nr	8.00	6,678.57	53,428.56
8.10		SAFETY MEASURES				
21	808(2)	W-Beams (Length and Locations are decided by the Engineer.	m	150.00	34,000.00	5,100,000.00
Bill No. 8 Carried to Summary						26,224,756.80

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BILL No. 10: MAINTENANCE OF ROAD

ITEM NO		DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT (Rs)
Bill	Pay					
1	1101(1)	Filling pot-holes and patch repairs with Asphalt concrete cold mix (Mc30), 20mm & less in depth	m ²	500.00	3,088.84	1,544,420.00
2	1101(2)	Filling pot-holes and patch repairs with Asphalt concrete cold mix (Mc30), 75mm & less in depth	m ²	400.00	6,261.16	2,504,464.00
3	1101(3)	Filling pot-holes and patch repairs with Asphalt concrete cold mix (Mc30), deeper than 75mm	m ²	200.00	7,164.00	1,432,800.00
Bill No.10 Carried to summary:						5,481,684.00

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BILL No.11 : PROVISIONAL SUMS

ITEM NO		DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT (Rs)
Bill	Pay					
1	103(2)	Temporary by-passes for culverts, bridges and other structures	PS			4,000,000.00
2	113.1(1)	Repairs to damages of existing services	PS			1,500,000.00
3	113.1(2)	Demolition / Rebuilding of property	PS			3,000,000.00
4	117.1(1)	Diversion, protection or removal of electrical services	PS			7,000,000.00
5	117.1(2)	Diversion, protection or removal of water services	PS			2,000,000.00
6	117.1(3)	Diversion, protection or removal of telecommunication services	PS			6,000,000.00
7	703(1)	Grade adjustment of existing manholes	PS			500,000.00
8	123(1)	Allow for overseas training facility for Technical personal	PS			10,000,000.00
9		Allow for Contractor's overheads and profit for above Provisional Sum items.	%	34,000,000.00	30%	10,200,000.00
Bill No. 11 Carried to Summary						44,200,000.00

201
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BILL No.12 : SCHEDULE OF DAY WORKS RATES**12.1 : LABOUR DAY WORKS**

All Quantities are Provisional

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT (Rs)
1	Surveyor	Hr	100	715.56	71,556.00
2	Laboratory Technician (skilled)	Hr	150	500.89	75,133.50
3	Carpenter	Hr	100	375.67	37,567.00
4	Mason	Hr	100	375.67	37,567.00
5	Steel Fixer	Hr	40	375.67	15,026.80
6	Semi-skilled workman	Hr	100	333.93	33,393.00
7	Unskilled workman (labourer)	Hr	150	238.52	35,778.00
Labour - Day works Carried to forward :					306,021.30

BILL No.12 : SCHEDULE OF DAY WORKS RATES**12.2 : EQUIPMENT DAY WORKS**

All Quantities are Provisional

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT (Rs.)
1	Bowser, water, up to 6,000 litres with Spray Bar	Hr	60	2,714.36	162,861.60
2	Backhoe, wheeled, 50 - 100 HP	Hr	60	3,100.76	186,045.60
3	Backhoe, tracked, 50 - 100 HP	Hr	60	3,398.91	203,934.60
4	Motor grader, 120 to 140HP	Hr	100	6,559.31	655,931.00
5	Mobile Crane 25 tonnes	Hr	20	17,889.02	357,780.40
6	Water pump with hoses, 50 to 100 mm outlet	Hr	100	715.56	71,556.00
7	Concrete mixer, over 0.50 cu.m.	Hr	100	5,366.71	536,671.00
8	Generator, 10 to 50 KVA	Hr	100	1,788.90	178,890.00
9	Poker Vibrator, petrol driven	Hr	100	715.56	71,556.00
10	Steel-wheeled roller 8 to 10 tonnes	Hr	40	3,700.00	148,000.00
11	Pneumatic-tyred roller ,vibratory, 8 to 10 tonnes	Hr	40	3,000.00	120,000.00
12	Hand roller vibratory, 1/2-1 tone	Hr	40	1,210.00	48,400.00
13	Plate compactor, vibratory over 90 kg	Hr	40	700.00	28,000.00
14	Rammer ,mechanical, over 60 kg	Hr	40	825.00	33,000.00
Equipment- Day works Carried to forward :					2,802,626.20

12.3: MATERIAL DAY WORKS

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Rs.)
1	Aggregate base, dense graded (37.5mm)	m ³	10	4,935.00	49,350.00
2	Asphalt concrete, cold mix	mt	10	15,000.00	150,000.00
3	Asphalt concrete, hot mix	mt	10	18,480.00	184,800.00
4	Bitumen emulsion, (CRS 1, CRS 2, CSS 1)	ltr	10	99.00	990.00
5	Bitumen prime coat, cutback MC	ltr	10	154.00	1,540.00
6	Bitumen, sraight run, 60/70 penetration	ltr	10	132.00	1,320.00
7	Block, cement, 400*200*100mm	no	10	475.00	4,750.00
8	Cement, ordinary Portland	mt	10	24,000.00	240,000.00
9	Concrete pipe, reinforced 600mm diameter	m	10	12,100.00	121,000.00
10	Concrete pipe, reinforced 900mm diameter	m	10	18,000.00	180,000.00
11	Concrete pipe, reinforced 1,200mm diameter	m	10	21,000.00	210,000.00
12	Concrete, Grade 15/20	m ³	10	16,300.00	163,000.00
13	Concrete, Grade 20/20	m ³	10	18,150.00	181,500.00
14	Formwork, timber (smooth)	m ²	10	2,000.00	20,000.00
15	Pipe, PVC, 100mm diameter (Type 600)	m	10	858.00	8,580.00
16	Reinforcement, high-yield steel, Grade 460/425	kg	10	220.00	2,200.00
17	Reinforcement, mild steel, Grade 250	kg	10	198.00	1,980.00
18	Rubble, 100 - 150 mm	m ³	10	4,000.00	40,000.00
19	Rubble, 150 - 250 mm	m ³	10	3,410.00	34,100.00
20	River Sand	m ³	10	5,000.00	50,000.00
21	Timber, Class 2, Sri Lanka Timber Corporation	m ³	10	30,000.00	300,000.00
22	Auto diesel	ltr	10	125.00	1,250.00
23	Petrol	ltr	10	165.00	1,650.00
24	Kerosene Oil	ltr	10	110.00	1,100.00
Material- Day works Carried to forward :					1,949,110.00

21/

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**MINISTRY OF
 QUARTERLY REPORT – FOREIGN FUNDED PROJECTS
 for the quarter ending**

Project Name
 District/s of location
 Project Period: from to

Funding Source (GOSL/Donor) (please indicate name of Donor)	Cumulative Progress (Rs. Mn.)		Current Year Progress (Rs. Mn.)	
	Total Estimated Cost	Cumulative expenditure as at end of quarter	Budgetary allocation for 2007	Total expenditure during 2007 as at end of Quarter
GOSL		% utilized as at end of quarter		% exp as at end of Quarter
Donor				
Donor				
Donor				
Donor				
Total				

2. Physical Progress during the quarter :

(a) Please indicate whether critical project activities* were conducted and completed on schedule during the quarter.

All critical activities on schedule Critical activities behind Schedule Some critical activities behind schedule

(b) Please list the critical activities which are behind schedule -

3. Overall Progress as at the end of the quarter :

(a) Please indicate the overall project status as at the end of the quarter as rated by the Secretary to the Ministry and based on the cumulative physical and financial progress :

On Schedule Behind Schedule Halted
 (b) Please indicate % of Physical progress (cumulative) - %

* Critical project activities - Eg. Establishment of the PMU and appointment of core staff, Procurements, Preparation of detailed design, Conduct of EIA, Land acquisition, Re-settlement, Complying with loan/grant Covenants, Performance of contractual obligations etc.

**MINISTRY OF
 QUARTERLY REPORT – FOREIGN FUNDED PROJECTS
 for the quarter ending**

4. Major Issues preventing progress and action taken/required to be taken :

Please list issues under the following categories -

- | | |
|---|--|
| <ul style="list-style-type: none"> • Inadequate financial allocation • Inadequate imprest • No imprest • Procurement delays (state whether Goods, works or services) • Project management issues (specify) | <ul style="list-style-type: none"> • Delay in obtaining donor funds • Delay in conducting critical activities (state which ones) • Defective design resulting in cost escalation • Defective design resulting in other implementation issues • Litigation (give details) • Other reasons (specify) |
|---|--|

Major Issues	Action taken/ required to be taken

5. Observations of the Secretary to the Ministry :

MINISTRY OF
QUARTERLY REPORT – GOSL FUNDED PROJECTS
 for the quarter ending

Project Name

Project Period: From to

District/s of location

1. Cumulative progress (Rs. Mn) :

- Total Estimated Cost -
- Cumulative expenditure as at end of quarter -
- % utilized as at end of quarter -

2. Current Year Progress (Rs. Mn) :

- Budgetary Allocation for 2007 -
- Total expenditure in 2007 as at end of Quarter -
- % expenditure as at end of quarter -

3. Physical Progress during the quarter :

(a) Please indicate whether critical project activities* were conducted and completed on schedule during the quarter.

All critical activities on schedule Critical activities behind Schedule Some critical activities behind schedule

(b) Please list the critical activities which are behind schedule -

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4. Overall Progress as at the end of the quarter :

(a) Please indicate the overall project status as at the end of the quarter as rated by the Secretary to the Ministry and based on the cumulative physical and financial progress :

On Schedule Behind Schedule Halted

(b) Please indicate % of Physical progress (cumulative) - %

* Critical project activities - Eg. Establishment of the PMU and appointment of core staff, Procurements, Preparation of detailed design, Conduct of EIA, Land acquisition, Re-settlement, Complying with loan/grant Covenants, Performance of contractual obligations etc.