

## Schedule of Rates - For Approval 20/4/2007, Rev E

**Work:** MR92 - BULEE MOUNTAIN TO NERRIGA BETWEEN 44.2KM AND 53.36KM WEST OF HAMES ROAD, NOWRA.

**Contract no:** 0092.404.RC.273 I

The quantities shown in this Schedule of Rates are estimated quantities only and are not to be taken as actual or correct quantities of work to be carried out or paid for under the various items of work. All items must be extended to show total amounts. Rates for individual pay items must exclude GST. GST must be added after extended pay items are totalled.

Pay Item	Description of work	Quantity	Unit	Rate	Amount
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### G1 - JOB SPECIFIC REQUIREMENTS

G1P1	Vibration Monitoring along Eastern Gas Pipelines	-	lump sum		
G1P2	Erect NPWS Gates	TBA	Each		
<b>G1</b>	<b>JOB SPECIFIC REQUIREMENTS</b>			<b>Sub-Total:</b>	

### G2 - GENERAL REQUIREMENTS - MAJOR CONTRACTS Ed 3/Rev 6

G2C2P1	Primary Testing Subcontract (Provisional Sum)	-	provisional sum		
<b>G2</b>	<b>GENERAL REQUIREMENTS</b>			<b>Sub-Total:</b>	

### G4 - PRINCIPAL'S PROJECT ACCOMMODATION Ed I /Rev I

G4P1	Establishment of Principal's Project Accommodation	-	lump sum		
G4P2	Maintenance of Principal's Project Accommodation until Completion	TBA	calendar week		
G4P3	Maintenance of Principal's Project Accommodation after Completion (Provisional Qty)	TBA	calendar week		
G4P4	Removal of Principal's Project Accommodation (Provisional Item)	-	lump sum		
G4P5	Establishment of Satellite Principal's Project Accommodation (Provisional Item)	-	lump sum		
<b>G4</b>	<b>PRINCIPAL'S PROJECT ACCOMMODATION</b>			<b>Sub-Total:</b>	

### G10 - CONTROL OF TRAFFIC Ed 4/Rev 2

G10P1	Control of Traffic	-	lump sum		
<b>G10</b>	<b>CONTROL OF TRAFFIC</b>			<b>Sub-Total:</b>	

### G35 - ENVIRONMENTAL PROTECTION (MANAGEMENT PLAN) Ed I/Rev I

G35P1	Building Condition Inspections	TBA	each		
G35P2	Site Monitoring				
G35P2(a)	Air Pollution	-	lump sum		
G35P2(b)	Noise	-	lump sum		
G35P2(c)	Ground Vibration	-	lump sum		
<b>G35</b>	<b>ENVIRONMENTAL PROTECTION (MANAGEMENT PLAN)</b>			<b>Sub-Total:</b>	

### G36 - ENVIRONMENTAL PROTECTION (MANAGEMENT SYSTEM) Ed 3/Rev I

G36P1	Building Condition Inspections (provisional)	TBA	each		
G36P2	Site Monitoring				
G36P2(a)	Air Pollution	-	lump sum		
G36P2(b)	Noise	-	lump sum		
G36P2(c)	Ground Vibration	-	lump sum		
<b>G36</b>	<b>ENVIRONMENTAL PROTECTION (MANAGEMENT SYSTEM)</b>			<b>Sub-Total:</b>	

### G38 - SOIL AND WATER MANAGEMENT (SOIL AND WATER MANAGEMENT PLAN) Ed I/Rev I

G38P1	Earthworks for Operational Basins/Traps	TBA	each		
G38P2	Inlets, Spillways and Low Flow Outlets for Operational Basins	TBA	m2		
G38P3	Drop Inlet Sediment Traps and Inlet Control Banks	TBA	each		

Name of Tenderer: .....

G38P4	Cleaning of Operational Basins (Item with provisional quantity)	TBA	m3
G38P5	Removal of Operational basins including Spillways	TBA	each
G38P6	Removal of Drop Inlet Sediment Traps and Inlet Control Banks (Item with provisional quantity)	TBA	each
G38P7	Site Water Quality Monitoring	-	lump sum
G38P8	Spillway for Rock Sediment Basins	TBA	m3
G38P9	Temporary Erosion and Sediment Controls	-	lump sum
<b>G38</b>	<b>SOIL AND WATER MANAGEMENT (SOIL AND WATER MANAGEMENT PLAN)</b>		<b>Sub-Total:</b>

### G39 - SOIL AND WATER MANAGEMENT (EROSION AND SEDIMENT CONTROL PLAN) Ed 1/Rev 1

G39P1	Drop Inlet Sediment Traps and Inlet Control Banks	TBA	each
G39P2	Removal of Drop Inlet Sediment Traps and Inlet Control Banks (Item with provisional quantity)	TBA	each
<b>G39</b>	<b>SOIL AND WATER MANAGEMENT (EROSION AND SEDIMENT CONTROL PLAN)</b>		<b>Sub-Total:</b>

### G40 - CLEARING AND GRUBBING Ed 1/Rev 0

G40P1	Clearing and Grubbing	-	lump sum
G40P2	Production, Stockpiling & Spreading of Mulch	TBA	m3
<b>G40</b>	<b>CLEARING AND GRUBBING</b>		<b>Sub-Total:</b>

### R11 - STORMWATER DRAINAGE Ed 3/Rev 1

R11P1	Diversion Banks	200	m3
<i>R11P2</i>	<i>Excavation for Stormwater Drainage Structures</i>		
R11P2a	Reinforced Concrete and Fibre Reinforced Concrete Pipes	1605	m3
R11P2b	Precast Reinforced Box Culverts	37	m3
R11P2c	Other Drainage Structures	779	m3
R11P3	Excavation for and Forming Open Drains	4551	m
R11P4	Unsuitable Material under Drainage Structures and Open Drains (Item with provisional quantity)	100	m3
<i>R11P5</i>	<i>Precast Concrete and Fibre Reinforced Concrete Pipes</i>		
R11P5.1	300 - Class 6 - Rubber Ring Joint	15	m
R11P5.2	300 - Class 10 - Rubber Ring Joint	15	m
R11P5.3	375 - Class 2 - Rubber Ring Joint	9	m
R11P5.4	450 - Class 2 - Rubber Ring Joint	244	m
R11P5.5	450 - Class 8 - Rubber Ring Joint	11	m
R11P5.6	600 - Class 2 - Rubber Ring Joint	259	m
R11P5.7	750 - Class 2 - Rubber Ring Joint	23	m
R11P5.8	825 - Class 2 - Rubber Ring Joint	20	m
R11P5.9	825 - Class 4 - Rubber Ring Joint	17	m
R11P5.10	900 - Class 4 - Rubber Ring Joint	21	m
R11P5.11	1050 - Class 2 - Rubber Ring Joint	39	m
R11P5.12	1050 - Class 4 - Rubber Ring Joint	23	m
R11P5.13	1800 - Class 2 - Rubber Ring Joint	40	m
R11P5.14	2 cell 600 - Class 6 - Rubber Ring Joint	32	m
R11P5.15	3 cell 600 - Class 2 - Rubber Ring Joint	48	m
R11P5.16	3 cell 600 - Class 6 - Rubber Ring Joint	59	m
R11P5.17	3 cell 1050 - Class 2 - Rubber Ring Joint	55	m
R11P5.18	3 cell 1050 - Class 3 - Rubber Ring Joint	40	m
R11P5.19	5 cell 1200 - Class 3 - Rubber Ring Joint	85	m
<i>R11P6</i>	<i>Precast Concrete Box Culvert Structures</i>		
R11P6.1	1 / 3600 (mm) x 2700 (mm) x 32.94 (m)	1	each
<i>R11P7</i>	<i>Drainage Structures Other Than Pipes and Box Culverts</i>		
R11P7.1	BATTER PIT	3	each
R11P7.2	GULLY PIT	1	each
R11P7.3	INLET PIT	1	each
R11P7.4	SF BATTER PIT	23	each

Name of Tenderer: .....

R1IP7.5	SO PIT	13	each
R1IP7.6	DEPRESSED PIT	3	each
R1IP7.7	300 - HEADWALL	4	each
R1IP7.8	375 - HEADWALL	2	each
R1IP7.9	450 - HEADWALL	11	each
R1IP7.10	600 - HEADWALL	21	each
R1IP7.11	750 - HEADWALL	1	each
R1IP7.12	825 - HEADWALL	4	each
R1IP7.13	900 - HEADWALL	2	each
R1IP7.14	1050 - HEADWALL	6	each
R1IP7.15	1800 - HEADWALL	2	each
R1IP7.16	2 cell 600 - HEADWALL	2	each
R1IP7.17	3 cell 600 - HEADWALL	4	each
R1IP7.18	3 cell 1050 - HEADWALL	4	each
R1IP7.19	5 cell 1200 - HEADWALL	2	each
R1IP8	Concrete Lining of Open Drains	5189	m2
R1IP9	Remove Existing Wingwalls	14	each
R1IP10	Remove Existing Pipes	120	m
R1IP11	Remove Existing Precast Concrete Box Culverts	120	m
<b>R11</b>	<b>STORMWATER DRAINAGE</b>		<b>Sub-Total:</b>

#### R15 - KERBS AND GUTTERS Ed 4/Rev 0

<i>R15P1</i>	<i>Kerbs and Gutters</i>		
R15P1.1	Type SF	1963	m
R15P1.2	Type SO	2984	m
R15P1.3	Type SB	43	m
<b>R15</b>	<b>KERBS AND GUTTERS</b>		<b>Sub-Total:</b>

#### R33 - TRENCH DRAINS Ed 3/Rev 0

R33P1	Excavation	522	m3
<i>R33P2</i>	<i>Outlets</i>		
R33P2.1	Steep Batter Outlet	4	each
R33P2.2	Flat Batter Outlet	12	each
R33P2.3	100 mm Dia Unslotted Corrugated Plastic Drainage Pipe	527	m
<i>R33P3</i>	<i>Drainage Pipe</i>		
R33P3.1	100 mm Dia Corrugated Perforated Plastic Drainage Pipe	2898	m
R33P3.2	Slotted Geocomposite Plastic Strip Filter	2898	m
R33P4	Type A - Aggregate Filter Material Backfill	499	m3
R33P7	Supply and Installation of Geotextile	5216	m2
<i>R33P8</i>	<i>Cleanouts and Inspection Structures</i>		
R33P8.1	Cleanouts and Inspection Structures (Permanent)	54	each
R33P8.2	Cleanouts and Inspection Structures (Temporary)	TBA	each
<b>R33</b>	<b>TRENCH DRAINS</b>		<b>Sub-Total:</b>

#### R44 - EARTHWORKS Ed 3/Rev 6

<i>R44P1</i>	<i>Topsoil</i>		
R44P1.1	Removal and Stockpiling of Topsoil	28427	m3
R44P2	General Earthworks (Cut/Fill)	166267	m3
R44P3	Imported or Borrowed Material	21234	m3
R44P4	Unsuitable Material (Item with provisional quantity)	1000	m3
<i>R44P5</i>	<i>Selected Material in the Selected Material Zone and Verge Material</i>		
R44P5.1	Selected Material from cuttings in the Works area (Provisional Qty)	5000	m3
R44P5.2	Selected Material Imported from beyond the Works area	14165	m3
R44P5.3	Verge Material from cuttings in the Works area (Provisional Qty)	10000	m3
R44P5.4	Verge Material Imported from beyond the Works area	11173	m3
<i>R44P6</i>	<i>Extra Over Items</i>		
R44P6.1	Haulage of Spoil	TBA	m3-km

Name of Tenderer: .....

<b>R44P7</b>	<b>Foundation Treatments</b>		
	<b>R44P7.1 Treatment Type E1 and Cutting Type C1 - Loosen and Recompact</b>		
	R44P7.1(a) Embankment Foundation and Cutting Floor at Underside of Selected Material zone	TBA	m2
	R44P7.1(b) Pay Item R44P7.1(b) – Designed Surface Level in Cutting at Top of Selected Material Zone.	TBA	m2
<b>R44P7.2</b>	<b>Treatment Type E2 - Bridging Layer</b>		
	R44P7.2(a) Material obtained from excavations within the Works (Provisional Qty)	1000	m3
	R44P7.2(b) Imported Material (Provisional Qty)	1000	m3
<b>R44P7.3</b>	<b>Treatment Type E4 and Cutting Type C5 - Geotextile and Geogrid</b>		
	R44P7.3(a) Geotextile	TBA	m2
	R44P7.3(b) Geogrid	TBA	m2
<b>R44P7.4</b>	<b>Treatment Type E5 and Cutting Type C2 - Drainage Blanket</b>		
	R44P7.4(a) Drainage Blanket Material obtained from excavations within the Works	TBA	m3
	R44P7.4(b) Imported Drainage Blanket Material	TBA	m3
<b>R44</b>	<b>EARTHWORKS</b>		<b>Sub-Total:</b>

#### **R50 - STABILISATION OF EARTHWORKS** Ed 3/Rev 1

<b>R50P1</b>	<b>Supply of Stabilising Agent</b>		
	R50P1.1 Quicklime	TBA	t
	R50P1.2 Hydrated Lime	TBA	t
<b>R50P2</b>	<b>Stabilisation with In Place Mixing</b>		
	R50P2.1 Quicklime	TBA	m3
	R50P2.2 Hydrated Lime	TBA	m3
<b>R50</b>	<b>STABILISATION OF EARTHWORKS</b>		<b>Sub-Total:</b>

#### **R55 - ROCK FILLED GABIONS AND MATTRESSES** Ed 2/Rev 1

<b>R55P1</b>	<b>Rock Filled Gabions</b>	3492	m3
<b>R55P2.1</b>	<b>Rock Filled Wire Mattresses 170mm thick</b>	4746	m2
<b>R55P2.2</b>	<b>Rock Filled Wire Mattresses 230mm thick</b>	4207	m2
<b>R55P3</b>	<b>Terramesh Panels</b>	TBA	m2
<b>R55P4</b>	<b>Select Backfill for Terramesh Panels</b>	TBA	m3
<b>R55P5</b>	<b>Excavation for Gabions and Mattresses.</b>	3105	m3
<b>R55</b>	<b>ROCK FILLED GABIONS AND MATTRESSES</b>		<b>Sub-Total:</b>

#### **R57 - DESIGN OF REINFORCED SOIL WALLS** Ed 2/Rev 0

<b>R57P1</b>	<b>Design of Reinforced Soil Walls</b>	-	lump sum
<b>R57</b>	<b>DESIGN OF REINFORCED SOIL WALLS</b>		<b>Sub-Total:</b>

#### **R58 - CONSTRUCTION OF REINFORCED SOIL WALLS** Ed 2/Rev 0

<b>R58P1</b>	<b>Supply of Components</b>	3158	m2
<b>R58P2</b>	<b>Preparation of Foundation</b>	-	lump sum
<b>R58P3</b>	<b>Base/Concrete Strip Footings</b>	-	lump sum
<b>R58P4</b>	<b>RSW Erection</b>	-	lump sum
<b>R58P5</b>	<b>Filters and Drainage</b>	-	lump sum
<b>R58P6</b>	<b>Capping</b>	-	lump sum
<b>R58P7</b>	<b>Reinforced Fill Material</b>	-	lump sum
<b>R58</b>	<b>CONSTRUCTION OF REINFORCED SOIL WALLS</b>		<b>Sub-Total:</b>

#### **R71 - UNBOUND PAVEMENT COURSE (NORMAL DUTY)** Ed 2/Rev 2

<b>R71P1</b>	<b>Subbase Course</b>	14165	m3
<b>R71P2</b>	<b>Base Course</b>	14437	m3
<b>R71</b>	<b>UNBOUND PAVEMENT COURSE (NORMAL DUTY)</b>		<b>Sub-Total:</b>

#### **R106 - SPRAYED BITUMINOUS SURFACING (WITH CUTBACK BITUMEN)** Ed 4/Rev 0

Name of Tenderer: .....

R106P1 Supply and Spray Primer, Primerbinder (Including Preparation of Surface)

R106P1.6	AMC4	128360	litre
R106P7	Supply, Precoat, Apply and Incorporate Aggregate		
R106P7.1	7mm Light Coloured Aggregate (Precoated)	988	m3
R106P8	Geotextile	TBA	m2
<b>R106</b>	<b>SPRAYED BITUMINOUS SURFACING (WITH CUTBACK BITUMEN)</b>		<b>Sub-Total:</b>

**R131 – GUIDEPOSTS** Ed 3/Rev 0

R131P1	Supply and Installation of Guide Posts	607	each
R131P2	Removal of Existing Guide Posts (Nominal)	100	each
<b>R131</b>	<b>GUIDEPOSTS</b>		<b>Sub-Total:</b>

**R132 - SAFETY BARRIER SYSTEMS** Ed 2/Rev 3

R132P1	Removal of Safety Barriers	16	m
R132P2	Removal of Terminals and Transitions	48	each
R132P3	Construction of Post and Rail Safety Barriers	2031	m
R132P4	Post Holes at 400mm Diameter (Item with provisional quantity)	100	each
R132P5	Construction of Wire Rope Safety Barrier Systems	2602	m
R132P7	Construction of Concrete Safety Barrier Systems	595	m
R132P8	Construction of Terminals	23	each
R132P9	Construction of Transitions	5	each
<b>R132</b>	<b>SAFETY BARRIER SYSTEMS</b>		<b>Sub-Total:</b>

**R141 - PAVEMENT MARKING** Ed 5/Rev 1

R141P1	Water Borne Paint - Longitudinal Lines		
R141P1.1	EI EDGE LINE	17460	m
R141P1.2	SI SEPARATION LINE	430	m
R141P1.3	BB BARRIER LINE	6855	m
R141P1.4	BB1 BARRIER LINE	440	m
R141P1.5	CI CONTINUITY LINE	1462	m
R141P1.6	LI LANE LINE	295	m
R141P1.7	SB & BS BARRIER LINE	1435	m
R141P1.8	TB HOLD LINE	18	m
R141P2	Water Borne Paint - Transverse Lines and Other Markings	72	m2
<b>R141</b>	<b>PAVEMENT MARKING</b>		<b>Sub-Total:</b>

**R142 - RAISED PAVEMENT MARKERS** Ed 4/Rev 0

R142P2	Installation of Retroreflective Raised Pavement Markers		
R142P2.1	EI EDGE LINE - R	727	each
R142P2.2	SI SEPARATION LINE - YY	18	each
R142P2.3	BB BARRIER LINE - YY	1143	each
R142P2.4	BB1 BARRIER LINE - YY	73	each
R142P2.5	CI CONTINUITY LINE - W	183	each
R142P2.6	LI LANE LINE - YY	12	each
R142P2.7	SB & BS BARRIER LINE - Y & YY	239	each
<b>R142</b>	<b>RAISED PAVEMENT MARKING</b>		<b>Sub-Total:</b>

**R143 – SIGNPOSTING** Ed 3/Rev 1

R143P8	Supply and erect road signs complete	56	ea
R143P8.1	"Unsealed Road" - G9-293	2	m2
R143P8.2	"T" - W2-3 WARNING SIGN	1	m2
R143P8.3	"T" - W2-4 WARNING SIGN	1	m2
R143P8.4	"3KM WINDING ROAD" - W1-6 WARNING SIGN	1	m2
R143P8.5	"LEFT LANE ENDS" - W4-9 WARNING SIGN	1	m2
R143P8.6	"STEEP DESCENT" - W5-12 WARNING SIGN	1	m2
R143P8.7	"STEEP ASCENT" - W5-13 WARNING SIGN	1	m2

Name of Tenderer: .....

R143P8.8 "KOALA" - W5-45 WARNING SIGN	1	m2
R143P8.9 "CURVE WARNING" - W1-3 WARNING SIGN	5	m2
R143P8.10 W8-2 SPEED PLATE	2	m2
R143P8.11 W8-15 PLATE	0	m2
R143P8.12 W8-201 PLATE	0	m2
R143P8.13 "Give Way" - R1-4 REGULATORY	0	m2
R143P8.14 "SPEED ZONE" - R4	6	m2
R143P8.15 "Form 1 lane" - G9-15	4	m2
R143P8.16 "Slow vehicles use left lane" - G9-11 - GUIDE SIGN	4	m2
R143P8.17 "Slow vehicle lane ahead" - G9-12 - GUIDE SIGN	4	m2
R143P8.18 "Touga Road " - G9-209 - G3-204 - g3-1 SIGN CLUSTER	2	each
R143P9 Removal of existing sign	39	ea
R143P10 Relocation of existing sign	3	ea
<b>R143 SIGNPOSTING</b>	<b>Sub-Total:</b>	

#### R161 – FENCING Ed 3/Rev 2

R161P9 Fauna Exclusion Fence	880	m
R161P11 Remove Existing Fencing	5415	m
R161P12.1 Erection of Controlled Access Rural Road Gates	TBA	m
R161P12.2 Erection of Fauna Exclusion Gates	TBA	each
R161P13 Erection of DEC (NPWS) Gates	10	m
R161P14 Flood Gates – Small Watercourses	10	each
R161P15 Flood Gates – Gully and Creek	10	each
R161P16 Stock Grids	2	each
<b>R161 FENCING</b>	<b>Sub-Total:</b>	

#### R173 - GENERAL CONCRETE PAVING Ed 2/Rev 2

<i>R173P1 Concrete Paving</i>		
R173P1.1 100mm berm behind SO gutter	1492	m2
<b>R173 GENERAL CONCRETE PAVING</b>	<b>Sub-Total:</b>	

#### R178 – VEGETATION Ed 4/Rev 0

R178P1 Spraying Weeds with Herbicide	TBA	m2
<i>R178P2 Topsoiling Using Site Material Including Surface Preparation and Screening of Topsoil Stockpiles</i>		
R178P2.1 Areas with a slope of 5 to 1 or flatter.	TBA	m2
R178P2.2 Areas steeper than 5 to 1 except stepped batters.	TBA	m2
R178P2.3 Stepped Batters	TBA	m2
R178P4 Dry Sowing	TBA	m2
R178P5 Hand Sowing	TBA	m2
R178P6 Preparation of Surface for Areas Not Requiring Topsoiling	TBA	m2
R178P7 Hydroseeding	TBA	m2
R178P8 Hydromulching	TBA	m2
R178P9 Straw Mulching	TBA	m2
R178P11 Topsoiling Open Drains Using Site Material Including Surface Preparation and Screening of Topsoil Stockpiles	TBA	m2
R178P12 Topsoiling Open Drains Using Imported Material Including Surface Preparation	TBA	m2
R178P13 Hydroseeding of Open Drains	TBA	m2
R178P14 Hydromulching of Open Drains	TBA	m2
R178P15 Sowing Open Drains by Hand	TBA	m2
R178P16 Spray Open Drains with Bitumen Emulsion	TBA	m2
R178P17 Lining Open Drains with Organic Fibre Mat	6165	m2
R178P18 Turfing	TBA	m2
R178P19 Watering	TBA	kilolitre
R178P20 Recultivating and Resowing	TBA	m2
R178P21 Mowing	TBA	m
<b>R178 VEGETATION</b>	<b>Sub-Total:</b>	

Name of Tenderer: .....

<b>TOTAL AMOUNT (Excluding GST)</b>
<b>Add GST</b>
<b>TOTAL FOR SCHEDULE OF RATES</b>

Name of Tenderer: .....