

Landau Colliery - Navigation West

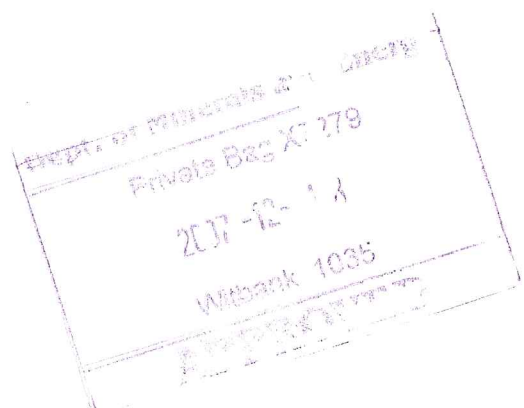
<u>Company Operating Costs</u>		<u>Quantity</u>	<u>Unit</u>	<u>Rate</u>	<u>Total</u>
Project Management	=	1	Item	R 500,000.00	R 500,000.00
		<u>Quantity</u>	<u>Unit</u>	<u>Rate</u>	<u>Total</u>
Maintenance & Monitoring (5 years)	=	1	Item	R 5,700,000.00	R 5,700,000.00
				TOTAL	<u><u>R 6,200,000.00</u></u>

DEPT. of Minerals and Energy
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LANDAU COLLIERYORDER OF MAGNITUDE ESTIMATENAVIGATION WEST - PCF (PRE-MATURE CLOSURE)

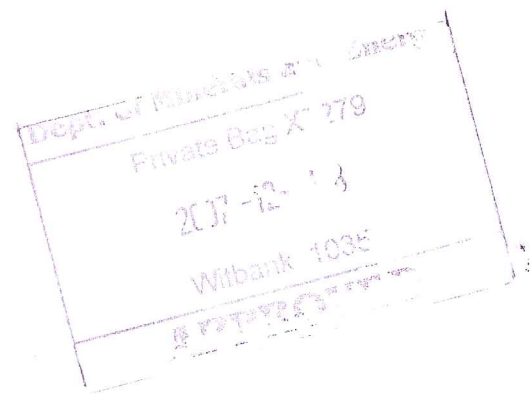
AUGUST 2006 MONEY VALUES

FACILITY NUMBER	DESCRIPTION	Anglo Coal Capital Cost (Rand)	Mining Contractor Capital Cost (Rand)	Total Capital Cost (Rand)
0110	Site Establishment	125,615	-	125,615
0140	Mining Access	-	9,347,150	9,347,150
0320	Primary Tip Crushing And Stockpile Facility	3,650,000	-	3,650,000
0570	Pollution Control	2,457,309	-	2,457,309
0610	Site Preparation	104,119	-	104,119
0620	Permanent Road Infrastructure	821,915	-	821,915
0640	Stormwater Drainage And Control	60,500	-	60,500
0650	Water Supply - Surface	565,190	-	565,190
0660	Sewerage	-	-	-
0740	Stores, Offices And Amenity Buildings	136,579	-	136,579
0770	Security	386,883	-	386,883
0840	Workshops	318,116	-	318,116
0850	Electrical Power	-	-	-
0890	Eia Studies	-	-	-
	Sub-Total 1 : R	8,626,226	9,347,150	17,973,377
0910	Outside Consultants	1,117,574	-	1,117,574
0952	Pre - Production Technical Investigations	-	-	-
0954	Lease Area And Property Rights	-	-	-
0960	Company Operating Costs	6,200,000	-	6,200,000
9982	Reimbursables	-	-	-
	Sub-Total 2 : R	15,943,800	9,347,150	25,290,951
9990	Contingencies	-	-	-
	Sub-Total 3 : R	15,943,800	9,347,150	25,290,951
9980	Escalation	-	-	-
	TOTAL : R	15,943,800	9,347,150	25,290,951



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<u>Site Establishment</u>		<u>Quantity</u>	<u>Unit</u>	<u>Rate</u>	<u>Total</u>
Rip & Scarify	=	1500	m3	R 46.68	R 70,018.00
Topsoil	=	1500	m3	R 22.17	R 33,258.00
Vegetation	=	1	ha	R 22,338.75	R 22,339.00
				TOTAL	<u>R 125,615.00</u>



Landau Colliery - Navigation West

<u>Mining Access</u>		<u>Quantity</u>	<u>Unit</u>	<u>Rate</u>	<u>Total</u>
Levelling of Spoils	=	865,700	m3	R 10.00	R 8,657,000
Topsoil	=	25,555	m3	R 23.00	R 587,770
Vegetation	=	4.26	ha	R 24,050.00	R 102,381
				TOTAL	<u><u>R 9,347,150</u></u>

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Primary Tip Crushing & Stockpile Facility

	<u>Quantity</u>	<u>Unit</u>	<u>Rate</u>	<u>Total</u>
Demolish Tip	= 1	No.	R 3,500,000.00	R 3,500,000.00

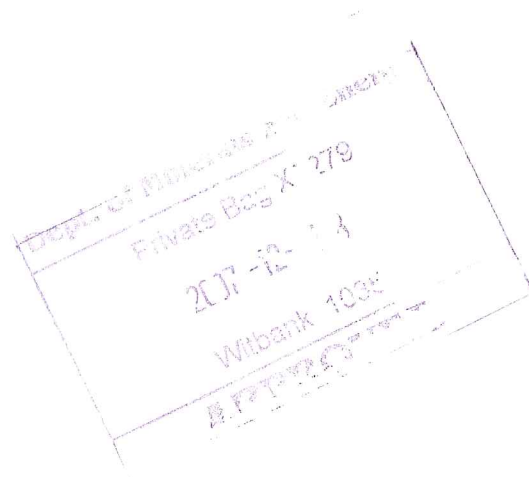
	<u>Quantity</u>	<u>Unit</u>	<u>Rate</u>	<u>Total</u>
Demolish Wheigh Bridge	= 2	No.	R 75,000.00	R 150,000.00

TOTAL R 3,650,000.00

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<u>Pollution Control</u>		<u>Quantity</u>	<u>Unit</u>	<u>Rate</u>	<u>Total</u>
Demolish PC Dam	=	1	No.	R 1,950,000.00	R 1,950,000.00
		<u>Quantity</u>	<u>Unit</u>	<u>Rate</u>	<u>Total</u>
Demolish Silt Traps	=	2	No.	R 32,500.00	R 65,000.00
		<u>Quantity</u>	<u>Unit</u>	<u>Rate</u>	<u>Total</u>
Demolish Concrete Drains	=	553	m3	R 580	R 320,519.00
Topsoil	=	775	m3	R 22.17	R 17,183.00
Vegetation	=	0.67	ha	R 22,338.75	R 14,967.00
		<u>Quantity</u>	<u>Unit</u>	<u>Rate</u>	<u>Total</u>
Demolish Pumpstations (5xoff)	=	18.75	m3	R 580.00	R 10,875.00
Topsoil	=	18.75	m3	R 22.00	R 413.00
Vegetation	=	125	m2	R 2.25	R 281.00
Scrap Steel Removal	=	5	t	R 1,235.00	R 6,175.00
		<u>Quantity</u>	<u>Unit</u>	<u>Rate</u>	<u>Total</u>
Demolish Washbay Concrete	=	19.2	m3	R 580.00	R 11,136.00
Topsoil	=	19.2	m3	R 22.00	R 422.00
Vegetation	=	128	m2	R 2.25	R 288.00
Scrap Steel Removal	=	30	t	R 1,235.00	R 37,050.00
		<u>Quantity</u>	<u>Unit</u>	<u>Rate</u>	<u>Total</u>
Remove Fencing	=	1250	m	R 18.40	R 23,000.00
				TOTAL	R 2,457,309.00



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<u>Site Preperation</u>		<u>Quantity</u>	<u>Unit</u>	<u>Rate</u>	<u>Total</u>
Demolish Washplant Concrete	=	68	m3	R 580.00	R 39,150.00
Topsoil	=	68	m3	R 22.00	R 1,485.00
Vegetation	=	450	m2	R 2.25	R 1,012.50
		<u>Quantity</u>	<u>Unit</u>	<u>Rate</u>	<u>Total</u>
Demolish Inland Coal Stockpile	=	90	m3	R 580.00	R 52,200.00
Topsoil	=	90	m3	R 22.00	R 1,980.00
Vegetation	=	600	m2	R 2.25	R 1,350.00
		<u>Quantity</u>	<u>Unit</u>	<u>Rate</u>	<u>Total</u>
Demolish Eskom Coal Stockpile Pad	=	11	m3	R 580.00	R 6,525.00
Topsoil	=	11	m3	R 22.00	R 247.50
Vegetation	=	75	m2	R 2.25	R 168.75
				TOTAL	<u><u>R 104,118.75</u></u>

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Landau Colliery - Navigation West

<u>Permanent Road Infrastructure</u>		<u>Quantity</u>	<u>Unit</u>	<u>Rate</u>	<u>Total</u>
Rip & Scarify Gravel Road	=	900	m3	R 46.68	R 42,010.65
Topsoil	=	900	m3	R 22.00	R 19,800.00
Vegetation	=	6000	m2	R 2.25	R 13,500.00
		<u>Quantity</u>	<u>Unit</u>	<u>Rate</u>	<u>Total</u>
Rip & Scarify Gravel Road Deviation	=	3000	m3	R 46.68	R 140,035.50
Topsoil	=	3000	m3	R 22.00	R 66,000.00
Vegetation	=	20000	m2	R 2.25	R 45,000.00
		<u>Quantity</u>	<u>Unit</u>	<u>Rate</u>	<u>Total</u>
Rip & Scarify Haul Road (12,5m Wide)	=	3750	m3	R 46.68	R 175,044.38
Topsoil	=	3750	m3	R 22.00	R 82,500.00
Vegetation	=	25000	m2	R 2.25	R 56,250.00
		<u>Quantity</u>	<u>Unit</u>	<u>Rate</u>	<u>Total</u>
Rip & Scarify Haul Road (26m Wide)	=	2172	m3	R 46.68	R 101,399.71
Topsoil	=	2172	m3	R 22.00	R 47,790.60
Vegetation	=	14482	m2	R 2.25	R 32,584.50
				TOTAL	<u><u>R 821,915.34</u></u>

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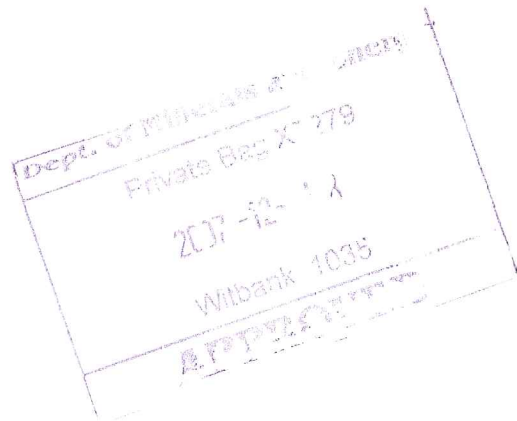
Stormwater Drainage and Control

	<u>Quantity</u>	<u>Unit</u>	<u>Rate</u>	<u>Total</u>
Levelling/Filling up of Drains	= 1100	m	R 55.00	R 60,500.00
			TOTAL	<u><u>R 60,500.00</u></u>

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<u>Water Supply - Surface</u>		<u>Quantity</u>	<u>Unit</u>	<u>Rate</u>	<u>Total</u>
Demolish Elevated Storage Tank	=	1	No.	R 52,000.00	R 52,000.00
		<u>Quantity</u>	<u>Unit</u>	<u>Rate</u>	<u>Total</u>
Demolish Dust Suppression Tank	=	2	No.	R 52,000.00	R 104,000.00
		<u>Quantity</u>	<u>Unit</u>	<u>Rate</u>	<u>Total</u>
Remove Slurry Delivery Piping	=	4814	m	R 85.00	R 409,190.00
				TOTAL	<u><u>R 565,190.00</u></u>



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<u>Stores, Offices & Amenity Buildings</u>		<u>Quantity</u>	<u>Unit</u>	<u>Rate</u>	<u>Total</u>
Demolish Office Block	=	348	m2	R 208.00	R 72,384.00
Topsoil	=	52	m3	R 22.00	R 1,148.40
Vegetation	=	348	m2	R 2.25	R 783.00
		<u>Quantity</u>	<u>Unit</u>	<u>Rate</u>	<u>Total</u>
Demolish Stores	=	68	m2	R 312.00	R 21,216.00
Topsoil	=	10	m3	R 22.00	R 224.40
Vegetation	=	68	m2	R 2.25	R 153.00
Scrap Steel Removal	=	15.64	t	R 1,235.00	R 19,315.40
		<u>Quantity</u>	<u>Unit</u>	<u>Rate</u>	<u>Total</u>
Demolish Ablution Block	=	100	m2	R 208.00	R 20,800.00
Topsoil	=	15	m3	R 22.00	R 330.00
Vegetation	=	100	m2	R 2.25	R 225.00
				TOTAL	<u><u>R 136,579.20</u></u>

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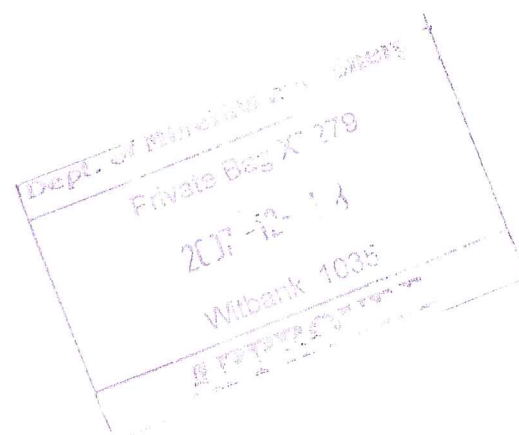
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<u>Security</u>		<u>Quantity</u>	<u>Unit</u>	<u>Rate</u>	<u>Total</u>
Remove Fencing	=	17450	m	R 18.40	R 321,080.00
		<u>Quantity</u>	<u>Unit</u>	<u>Rate</u>	<u>Total</u>
Remove Pallisade Fencing	=	1	Item	R 50,000.00	R 50,000.00
		<u>Quantity</u>	<u>Unit</u>	<u>Rate</u>	<u>Total</u>
Demolish Control Rooms (2xoff)	=	74	m2	R 208.00	R 15,392.00
Topsoil	=	11	m3	R 22.00	R 244.20
Vegetation	=	74	m2	R 2.25	R 166.50
				TOTAL	<u><u>R 386,882.70</u></u>

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Landau Colliery - Navigation West

<u>Workshops</u>		<u>Quantity</u>	<u>Unit</u>	<u>Rate</u>	<u>Total</u>
Demolish Workshop	=	430	m2	R 312.00	R 134,160.00
Topsoil	=	65	m3	R 22.00	R 1,419.00
Vegetation	=	430	m2	R 2.25	R 967.50
Scrap Steel Removal	=	119	t	R 1,235.00	R 146,569.80
		<u>Quantity</u>	<u>Unit</u>	<u>Rate</u>	<u>Total</u>
Demolish Oil & Silt Trap	=	1	No.	R 35,000.00	R 35,000.00
				<u>TOTAL</u>	<u>R 318,116.30</u>



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<u>Outside Consultants</u>		<u>Quantity</u>	<u>Unit</u>	<u>Rate</u>	<u>Total</u>
Outside Consultants	=	1	Item	R 1,117,573.56	R 1,117,574.00
				TOTAL	<u><u>R 1,117,574.00</u></u>

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