QUANTUM CALCULATIONS

CALCULATION OF THE QUANTUM

Applicant: **Roads Agency Limpopo** **Date: September-2026**

Evaluators:

No.	Description	Unit	A	B	C	D	E=A*B*C*D
			Quantity	Master Rate	Multiplication factor	Weighting factor 1	Amount (Rands)
1	Dismantling of processing plant and related structures (including overland conveyors and powerlines)	m3	0	12,21	1	1	0
2 (A)	Demolition of steel buildings and structures	m2	0	170,13	1	1	0
2(B)	Demolition of reinforced concrete buildings and structures	m2	0	250,72	1	1	0
3	Rehabilitation of access roads	m2	0	30,44	1	1	0
4 (A)	Demolition and rehabilitation of electrified railway lines	m	0	295,49	1	1	0
4 (A)	Demolition and rehabilitation of non-electrified railway lines	m	0	161,18	1	1	0
5	Demolition of housing and/or administration facilities	m2	0	340,26	1	1	0
6	Opencast rehabilitation including final voids and ramps	ha	0,07037	173174,97	0,59	1	7189,930357
7	Sealing of shafts adits and inclines	m3	0	91,33	1	1	0
8 (A)	Rehabilitation of overburden and spoils	ha	0	118912,29	1	1	0
8 (B)	Rehabilitation of processing waste deposits and evaporation ponds (non-polluting potential)	ha	0	148103,1	1	1	0
8 (C)	Rehabilitation of processing waste deposits and evaporation ponds (polluting potential)	ha	0	430161,62	1	1	0
9	Rehabilitation of subsided areas	ha	0	99571,13	1	1	0
10	General surface rehabilitation	ha	0	94198,59	1	1	0
11	River diversions	ha	0	94198,59	1	1	0
12	Fencing	m	0	107,45	1	1	0

13	Water management	ha	0	35816,95	1	1	0
14	2 to 3 years of maintenance and aftercare	ha	0	12535,93	1	1	0
15 (A)	Specialist study	Sum	0			1	0
15 (B)	Specialist study	Sum				1	0
					Sub Total 1		7189,930357
1	Preliminary and General		862,7916428		weighting factor 2 / 1		862,7916428
2	Contingencies		718,9930357				718,9930357
					Subtotal 2		8771,72
					VAT (14%)		1228,04
					Grand Total		**10000**