

ADDITIONAL INFORMATION ON MINERAL RESOURCES POTENTIAL

1. Coalfields data

Coalfield*	Heat Value BTU/lb	Sulphur r%	Ash %	Rank & Comments	Tonnage 10 ⁶ tonnes	Basin*
Ufipa Coalfields						
Muze	9,930	3.6	24.7	Sub-bituminous "C"	10	Rukwa
Namwele-Mkomolo	9,600	6.4	23.3	Sub-bituminous "B". non-coking, inferior to Muse	7.5	Rukwa
Galula Coalfield	11,030	0.3	18.5	Bituminous "C", high volatile	140	Rukwa
Songwe-Kiwira Coalfield	11,700	1.5	16.8	Bituminous "C, high-volatile thermal coal, some coking	140	Songwe_Kiwira
Ruhuhu Basin Coalfields						
Mchuchuma-Ketewaka Coalfield						Ruhuhu
Mchuchuma	12,860	0.9	14.2	bituminous "C", high volatile, some coking	‡ (199)	Ruhuhu
Keteweka	11,000	?	15.0-20.0	bituminous "C", high volatile	Not established	Ruhuhu
Ngaka Coalfield						
Mbuyura	12,400	6.6	17.8	bituminous "C", high volatile	‡ (15)	Ruhuhu
Mbalawala	12,050	06.8	15.6	bituminous "C", high volatile	‡ (98)	Ruhuhu
Mbamba Bay Basin Coalfields	+ 7,500	Low		Sub-bituminous "A")	Small	Lake Nyasa
Mhukuru Coalfield	10,400	0.8	21.9	Sub-bituminous "A"	150	Selous

Njuga Coalfield	+ 10,300	0.5	20.2	Bituminous "C"	23	Selous
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2. Other minerals Data

TYPE OF MINERAL	RESOURCES
Gold	<ul style="list-style-type: none"> ▪ Bulyankhulu - Kahama = 408 metric tones (Grade = 13.1 grams/tonne) ▪ Geita Gold Mine – Geita = 414 metric tones (Grade = 4.3 grams/tonne) ▪ North Mara – Tarime = 166 metric tones (Grade = 3.3 grams/tonne) ▪ Golden Pride Resolute – Nzega = 52 metric tones (Grade = 1.8 grams/tonne) ▪ Buzwagi – Kahama (Chocolate Reef) = 100 metric tones (Grade = 1.7 grams/tonne) ▪ Golden Ridge – Kahama = 68 metric tones (Grade = 1.4 grams/tonne) ▪ Mgusu – Geita = 23 metric tones (Grade = 3.7 grams/tonne) ▪ Nyakafuru – Biharamulo = 23 metric tones (Grade = 6.3 grams/tonne) ▪ Buckkeef/Rwamagaza – Geita = 58 metric tones (Grade = 2.1 grams/tonne) ▪ Kitongo – Geita = metric tones (Grade = 1.4 grams/tonne) ▪ Kisuge Hill – Kahama = 9 metric tones (Grade = 1.0 grams/tonne) ▪ Miyabi – Kahama = 13 metric tones (Grade = 1.5 grams/tonne) ▪ Ikungu – Geita = 6 metric tones (Grade = 2.3 grams/tonne) ▪ Total Gold Resources = 1,356 metric tons (Grade = 3.6 grams/tonne) ▪ Other resources under exploration
IRON ORE, NICKEL, COPPER AND PLATINUM GROUP METALS (PGM)	<ul style="list-style-type: none"> ▪ Kabanga – Kagera (Nickel) = 26.4 million tonnes nickel (Grade = 2.6% nickel, 0.3% copper, 0.16% cobalt) ▪ Kapalagulu – Kigoma (Nickel) = 183 million tonnes (Grade = 1.3 nickel); PGM (Pt, Ir, Rd) = ▪ North Pare – Kilimanjaro (copper) = 247 tonnes copper (Grade = 10.18 % copper) ▪ Bulyankhulu Mine – Kahama (copper) = 13.64 million tonnes copper (Grade = 0.52 % copper and 11.4 g/t silver) ▪ Liganga – Ludewa (iron ore) = 45 million tonnes iron (1.5 billion tonnes inferred resources) (Grade = 52 % iron, 13% titanium oxide, 0.4 5% vanadium oxide, 0.25 % chromium oxide) ▪ Uluguru – Morogoro (iron ore) = 8 million tonnes iron (Grade = 40% iron, 10% titanium) ▪ Itewe (iron ore), Mbeya = 50 million tonnes (Grade = 32 % iron)

	<ul style="list-style-type: none"> ▪ Other prospects unexplored.
DIAMONDS AND GEMSTONES	<ul style="list-style-type: none"> ▪ Mwadui (diamonds) – Shinyanga = 50.9 million carats diamond ▪ Merelani – Arusha (tanzanite):- <ul style="list-style-type: none"> ○ Tanzanite One = 12,600 kg (contained in 950,000 tones of ore) ○ ASM = 16,600 kg tanzanite (contained in 1.26 million tons of ore) <p>Other gemstones (ruby, sapphires, garnets, alexandrite, Emeralds etc) abundant in Tanzania all in need of local value addition activities.</p>
LIMESTONE, SODA ASH AND GYPSUM	<ul style="list-style-type: none"> ▪ Limestone <ul style="list-style-type: none"> ○ Tanga Limestone = 135 million tonnes ○ Wazo Hill Limestone (DSM) = 20 million tonnes ○ Songwe Mbeya Limestone = 137 million tonnes ○ Msolwa Limestone = 21 million tonnes ○ Many other localities to be explored ▪ Soda ash in Lake Natron (Arusha) = 109 million tonnes (Grade = 18 % sodium carbonate) ▪ Gypsum <ul style="list-style-type: none"> ○ Kilwa (Pindirol, Mandawa) = 2 million tonnes Grade = 90% gypsum) ○ Makanya = 1.0 million tonnes (Grade = 82 % gypsum) ○ Itigi = 15,000 tonnes (Grade = 70-75 % gypsum) ○ Many other prospects including the Msagali prospect in Dodoma
PHOSPHATE	<ul style="list-style-type: none"> ▪ Minjingu Phosphate/Arusha = 10 million tonnes (Grade = 22 % P₂O₅- phosphate) ▪ Gallapo/Arusha = 40 million tonnes (Grade = 8.0% P₂O₅,; 0.12% Nb₂O₅ – niobium; and traces of U₃O₈, uranium oxide) ▪ Zizi/Morogoro = 57 million tonnes (Grade = 7.38% P₂O₅) ▪ Panda Hill/Mbeya = 480 million tonnes (with 0.31% Nb₂O₅) ▪ Nachendezwaya – Morogoro = 43,485 tonnes (with 03% Nb₂O₅ and 5.1 million tonnes of 8% P₂O₅) ▪ Total proven reserves = 577,043,485 tonnes