

APPENDIX 2 – Impacts rating for Red Data species – Perseus Hydra & Perseus Beta 765kV

Note: Electrocution of birds is highly unlikely and is not considered an impact on the proposed tower structure. Likewise, it is highly unlikely that birds will attempt to nest or roost directly above the conductors (with the exception of strain towers), thereby impacting on quality of supply through nesting material, bird pollution or bird streamers and these issues are not discussed further.

Species	Conser vation status	Nature of impact	General suscept ibility to impact	Degree of certainty	Expected locality	Duration	Intensity or severity	Magnitude & Significance
White-backed Vulture	V	Collision with earth wire	Medium	Possible	Almost anywhere in study area, but at low abundance	High	Low	Low
		Disturbance	Medium	Possible		Low	Low	Low
		Habitat destruction	Medium	Possible		High	Low	Low
Martial Eagle	V	Collision with earth wire	Medium	Possible	Almost anywhere in study area	High	Low	Low
		Disturbance	High if breeding	Possible		Low	Medium if breeding	Medium if breeding
		Habitat destruction	High	Possible		High	Low	Low
Tawny Eagle	V	Collision with earth wire	Medium	Possible	Almost anywhere in study area	High	Low	Low
		Disturbance	High if breeding	Possible		Low	Medium if breeding	Medium if breeding
		Habitat destruction	High	Possible		High	Low	Low
Blue Crane	V	Collision with earth wire	Very high	Probable	Arable lands, grasslands, wetlands, pans, dams - particularly	High	Medium	Medium
		Disturbance	High	Possible		Low	Medium	Medium

APPENDIX 2 – Impacts rating for Red Data species – Perseus Hydra & Perseus Beta 765kV

		Habitat destruction	High	Possible	in south towards Hydra	High	Medium	Medium
Kori Bustard	V	Collision with earth wire	Very high	Probable	Throughout study area, particularly along drainage lines and open woodland areas	High	Medium	Medium
		Disturbance	High	Possible		Low	Low	Low
		Habitat destruction	High	Possible		High	Low	Low
Ludwig's Bustard	V	Collision with earth wire	Very high	Probable	Throughout study area	High	Medium	Medium
		Disturbance	High	Possible		Low	Low	Low
		Habitat destruction	High	Possible		High	Low	Low
Cape Vulture	V	Collision with earth wire	Medium	Possible	Almost anywhere in study area – natural vegetation areas	High	Low	Low
		Disturbance	High	Possible		Low	Low	Low
		Habitat destruction	High	Possible		High	Low	Low
African Marsh Harrier	V	Disturbance	High	Possible	Wetland and grassland areas	Low	Medium	Medium
		Habitat destruction	High	Possible		High	Medium	Medium
Greater Flamingo	NT	Collision with earth wire	Very high	Probable	Pans and dams	High	Medium	Medium
		Disturbance	Low	Possible		Low	Low	Low

APPENDIX 2 – Impacts rating for Red Data species – Perseus Hydra & Perseus Beta 765kV

		Habitat destruction	Low	Possible		High	Low	Low
Lesser Flamingo	NT	Collision with earth wire	Very high	Probable	Pans and dams	High	Medium	Medium
		Disturbance	Low	Possible		Low	Low	Low
		Habitat destruction	Low	Possible		High	Low	Low
Secretarybird	NT	Collision with earth wire	Very high	Probable	Anywhere in study area – in natural vegetation	High	Medium	Medium
		Disturbance	Medium	Possible		Low	Low	Low
		Habitat destruction	Medium	Possible		High	Low	Low
Black Harrier	NT	Disturbance	High	Possible	Wetland and grassland areas	Low	Medium	Medium
		Habitat destruction	High	Possible		High	Medium	Medium
Lesser Kestrel	NT	Disturbance	Medium	Possible	Almost anywhere in study area, roosts would be most vulnerable but line does not pass any	Low	Low	Low
		Habitat destruction	Medium	Possible		High	Low	Low
Blue Korhaan	NT	Collision with earth wire	Medium	Probable	Arable lands, short grassland	High	Medium	Medium
		Disturbance	Medium	Possible		Low	Low	Low
		Habitat destruction	Medium	Possible		High	Low	Low
Melodious Lark	NT	Disturbance	Medium	Possible	Almost anywhere in grassland areas in	Low	Low	Low

APPENDIX 2 – Impacts rating for Red Data species – Perseus Hydra & Perseus Beta 765kV

		Habitat destruction	medium	Possible	grassland areas in study area	High	Low	Low
Short-clawed Lark	NT	Disturbance	Medium	Possible	Almost anywhere in grassland areas in study area	Low	Low	Low
		Habitat destruction	medium	Possible		High	Low	Low
Yellow-billed Stork	NT	Collision with earth wire	High	Probable	Open water and rivers	High	Medium	Medium
		Disturbance	Medium	Possible		Low	Low	Low
		Habitat destruction	Medium	Possible		High	Low	Low
Black Stork	NT	Collision with earth wire	High	Probable	Open water and rivers	High	Medium	Medium
		Disturbance	Medium	Possible		Low	Low	Low
		Habitat destruction	Medium	Possible		High	Low	Low
Painted Snipe	NT	Disturbance	High	Possible	Wetland areas	Low	Medium	Medium
		Habitat destruction	High	Possible		High	Low	Low
Lanner Falcon	NT	Disturbance	Medium	Possible	Throughout study area	Low	Low	Low
		Habitat destruction	Medium	Possible		High	Low	Low
Caspian Tern	NT	Disturbance	Medium	Possible	Open water areas, pans, dams	Low	Low	Low
		Habitat destruction	Medium	Possible		High	Low	Low

APPENDIX 2 – Impacts rating for Red Data species – Perseus Hydra & Perseus Beta 765kV

Chestnut-banded Plover	NT	Disturbance	Medium	Possible	Open water areas, pans, dams	Low	Low	Low
		Habitat destruction	Medium	Possible		High	Low	Low
White Stork	Bonn	Collision with earth wire	Very high	Probable	Arable lands, wetlands	High	Medium	Medium
		Disturbance	Low	Improbable				
		Habitat destruction	Low	improbable				
Abdim's Stork	Bonn	Collision with earth wire	Very high	Probable	Arable lands, wetlands	High	Medium	Medium
		Disturbance	Low	Improbable				
		Habitat destruction	Low	improbable				