

Technical Tour 4: 5 October 2019, 07:00 – 18:00

Gerus HVDC Converter Station, Zambezi Link HVDC Scheme, Namibia

Cost: R1250.00 per person ex Windhoek

Travel from Windhoek to the Gerus HVDC Converter station of the Zambezi Link HVDC Scheme for a technical tour of the station. After refreshments, safety induction and receiving your personal protective equipment, the tour will commence in groups of 10. NamPower will arrange an outage of the converter station at Gerus for the technical tour so that participants can view the inside of the converter hall. Return to Windhoek after lunch provided by NamPower.

Zambezi Link HVDC Scheme, Namibia

The Zambezi (previously named Caprivi) Link HVDC Scheme in Namibia, connects the ac networks of Namibia and Zambia with 950km of overhead line operating at 350kV dc. Construction of the 300MW monopole phase of the scheme was commissioned in October 2010. The scheme has been planned for a future bipole extension to 600MW. The scheme utilises Voltage Sourced Converters (VSC) and is the first scheme to use VSC technology with overhead lines. The scheme connects two presently very weak ac networks where the fault levels are in the order of the rated power of the converters.



The Zambezi Link transmission project involved the construction of:

- a +/-350 kV HVDC 950km transmission line linking Zambezi and Gerus converter stations;
- two new converter stations; one in the eastern end of the Zambezi region, near the town of Katima Mulilo close to the Zambian border, and one in the Otjozondjupa region, north of the town of Otjiwarongo in Namibia;
- two earth electrodes;
- 330kV extensions at Zambezi substation and 400kV extensions at Gerus substation.



PROGRAMME

Date, Time	Activity
Fri, 4 Oct	Arrival in Windhoek and check-in to hotel (own arrangement)
Sat, 5 Oct	
07:00	Assemble at hotel receptions
07:15	Bus departs Hilton Windhoek to Gerus Converter Station
07:20	Bus departs from Pension Palmquell to Gerus Converter Station
10:30 – 11:00	Refreshments, Safety Induction & Personal Protective Equipment
11:00 – 13:00	Technical Tour, participants will be split into groups of ~ 10 persons
13:00 – 14:30	Lunch and refreshments at converter station
14:45 – 18:00	Depart from Gerus Converter Station to Windhoek
18:00	Estimated Arrival back at hotels
<i>Note: No onward international travel bookings should be made for the evening of Saturday 5 October 2019 as arrival back at the hotel by 18:00 cannot be guaranteed.</i>	
Sun, 6 Oct	Onward travel. Delegates to make their own travel bookings, or please contact the conference secretariat for assistance – anelja@activecapture.co.za

LOGISTICS

Flights to Windhoek

Flights to Windhoek are not included and participants need to make their own arrangements. This involves a two hour international flight from Johannesburg. We suggest one of the following flights.

SAA	Air Namibia:	British Airways:
09:30 11:25	06:40 08:45	12:20 14:20
13:15 15:10	12:10 14:15	
	17:55 20:00	

All participants will need to arrange their own visas to Namibia, if required. The CIGRE organising committee can provide letters of invitation if needed.

Accommodation and Airport Transfers

Accommodation and airport transfers in Windhoek are not included and participants are responsible for making their own arrangements. We recommend one of the following hotels for the nights of 5 & 6 Oct.

The Hilton, Windhoek – www.hilton.com

Pension Palmquell - www.palmquell.com

Accommodation and airport transfers can also be arranged through the conference secretariat – please contact anelja@activecapture.co.za

Tour Pick-up and Drop-Off

Shuttle bus will depart from the recommended hotels in Windhoek, Namibia at 07:00 on Saturday 5 October 2019. **Pick up will be from these two hotels only** Return via shuttle bus by 18:00.

General

- All participants will need to submit a copy of their passport to register for the technical tour.
- All participants will be required to carry a visitor pass and adhere to visitor restrictions and access limitations throughout the tour.
- Safety Equipment will be provided, but participants should wear closed– no sandals or heels.
- Bookings can be made via the registration
- The technical tour is limited to 50 participants.

Secretariat

The secretariat can assist with additional accommodation, travel or tour requirements

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