



Tender Reference: STSC-FB-0014

Title: HV Cable Leak Detection using Perfluorocarbon Tracers (PFT)

Date of Issue: 27th March 2019

South Tees Site Company Limited would like to advise of the below questions received prior to the clarification deadline (25th March 2019), and our responses.

Questions and clarifications:

Q1: To give an accurate quote we would require the oil profiles for both circuits as we would need to calculate the amount of cable oil required.

The cable profile for the Corridor 66kV Substation to REF Mill 66kV Substation cable is provided in Appendix I. Please note the cable is labelled slightly differently having been renamed (labelled as 2 on the drawing).

Unfortunately, the data held for the Dock Road Indoor 66kV Substation to Transformer 67 at South Bank Coke Ovens cable is very limited; the cable profile is not available.

Q2: Is historical data available as to the incidence of oil pressure reductions and the regularity of resultant oil top ups?

A table is provided in Appendix J which records the oil top ups (volume by date) during 2017/2018.

Q3: Due to the limited cable design and hydraulic profile data provided it is difficult to calculate the oil volumes and flow settings required. As such, will the provision of a schedule of rates for the work likely to be required to be undertaken be acceptable?

Yes, based on the limited information that is available, a schedule of rates is acceptable. Please ensure to specify the Unit of Measure for each rate (e.g. per day, per hour, per litre, etc.)

Q4: The specification is unclear as to which PFT injection method is required – injection during service, or full-flush?

South Tees Site Company Ltd's preferred method would be injection during service, where the PFT material is introduced to the cable system whilst live and operational.