

# METERING DISPENSATION D/506 – DEESIDE POWER STATION

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<b>MEETING NAME</b>	ISG 233
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<b>Date of meeting</b>	1 September 2020
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<b>Paper number</b>	233/02
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<b>Owner/author</b>	Mike Smith
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<b>Purpose of paper</b>	Decision
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<b>Classification</b>	Public
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<b>Summary</b>	Deeside Power (UK) Ltd has applied for a lifetime Metering Dispensation (D/506) against Code of Practice 1 for the Metering Equipment associated with Deeside Power Station. The Metering Equipment is fully compliant with Code of Practice 1 apart from its location. The Actual Metering Point is 113m away from the Defined Metering Point. The electrical losses are minimal and the applicant does not propose to compensate the Metering System for them. We invite the ISG to approve D/506 on a lifetime basis.
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## 1. BSC requirements

- 1.1 Section L 'Metering' of the Balancing and Settlement Code (BSC) requires all Metering Equipment to either:
  - comply with the requirements set out in the relevant Code of Practice (CoP) at the time the Metering System is first registered for Settlement; or
  - be the subject of, and comply with, a Metering Dispensation.
- 1.2 Section L allows the Registrant of a Metering System to apply for a Metering Dispensation if, for financial or practical reasons, Metering Equipment will not or does not comply with some or all the requirements of a CoP.
- 1.3 The process for applying for a Metering Dispensation is set out in BSCP32 'Metering Dispositions'.

## 2. Background to Metering Dispensation D/506

- 2.1 The Metering Equipment for Deeside Power Station was originally located in the Deeside 400kV Air Insulated Switchgear (AIS) substation and connected via a short length of 400kV cable to the Deeside Power Cable Sealing End Compound. The cable then connected to a 400kV overhead line to Deeside Power Station.
- 2.2 In 2015/16 National Grid Electricity Transmission plc (NGET) built a new 400kV Gas Insulated Switchgear (GIS) substation adjacent to the AIS substation and new Metering Equipment for Deeside Power Station was installed in the same relative position in the GIS.
- 2.3 In order to transfer the Deeside Power Station circuit to the GIS, a new 400kV cable (113m) was installed to connect the GIS to the existing Deeside Power Cable Sealing End Compound and on to the 400kV overhead line to Deeside Power Station.
- 2.4 In November 2018 the Deeside Metering System was de-registered.
- 2.5 Deeside Power Station is now being repurposed as a provider of inertia and Reactive Power to the System and is being re-registered.
- 2.6 ELEXON has recently established that the overhead transmission line belongs to Deeside Power (UK) Ltd but the 400kV cable connecting it to the 400kV GIS belongs to NGET. The Metering Equipment is therefore non-compliant with the current CoP for location.

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## 3. Metering Dispensation application (D/506)

- 3.1 Deeside Power (UK) Ltd has applied for a lifetime Metering Dispensation (D/506) against CoP1<sup>1</sup> for the Metering Equipment associated with Deeside Power Station (Attachments A-D).
- 3.2 The Metering Equipment for the Deeside Power Station circuit is fully compliant with CoP1 apart from its location:
- the Actual Metering Point (AMP) is in the NGET owned GIS in the 400kV GIS substation.
  - the Defined Metering Point (DMP), which is the point of connection to the Transmission System, is located 113m away, at the end of an NGET owned 400kV cable, in the Deeside Power Cable Sealing End Compound (Attachments B and C).
- 3.3 Deeside Power (UK) Ltd estimates that it will cost £155k to install new current and voltage transformers at the DMP and connect them to the existing Meters.
- 3.4 Deeside Power (UK) Ltd doesn't propose to compensate the Settlement Meters for the 113m of the NGET cable losses as:
- they consider the losses to be immaterial; and
  - overall accuracy of the Metering System will be maintained within CoP1 limits at the DMP without compensating for the losses.

## 4. MDRG comments

- 4.1 We circulated the Metering Dispensation application and attachments to the Metering Dispensation Review Group (MDRG) for comments.
- 4.2 All four MDRG members responded:
- one MDRG member declined to comment as they are the Meter Operator Agent for the Deeside Metering System.
  - three MDRG members support the application on the basis that the materiality is very low and the Metering System accuracy will still be within CoP1 tolerances.

## 5. NETSO comments

- 5.1 We circulated the Metering Dispensation application and attachments to the National Electricity Transmission System Operator (NETSO) for comments.
- 5.2 The NETSO has no objection to the ISG granting a Metering Dispensation.

## 6. ELVA

- 6.1 As the applicant has confirmed it does not propose to apply compensation for the losses in the 113m of 400kV cable, we did not circulate the Metering Dispensation application and attachments to the Electrical Loss Validation Agent (ELVA) for confirmation that the cable loss compensation factors were suitable.

## 7. ELEXON's view

- 7.1 We support this lifetime Metering Dispensation application (D/506) as accuracy will be maintained within CoP1 limits, as referred to the DMP, without compensating for the losses in the 113m of 400kV cable.

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<sup>1</sup> 'Code of Practice for the metering of circuits with a rated capacity exceeding 100MVA for Settlement purposes'

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## 8. Recommendations

8.1 We invite you to:

- a) **APPROVE** Metering Dispensation D/506, for Deeside Power Station, on a lifetime basis.

## Attachments

Attachment A – Metering Dispensation application (D/506)

Attachment B – Deeside Metering Single Line Diagram (SLD)

Attachment C – Deeside Metering SLD (clean)

Attachment D – Cable data sheet

### For more information, please contact:

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