

Appendix #	Subject	Reference in proforma
Appendix 1	University of Bath letter of engagement and support, and their data analysis methodology	Boxes 1, 18
Appendix 2	Memorandum of Understanding between WPD and npower	Box 25
Appendix 3	Customer communications pack	Box 2
Appendix 4	Installing monitoring in LV substations	Box 4
Appendix 5	Support letters – University of Bristol / WAG	Boxes 18, 23
Appendix 6	Sample extract of Arbed data (anonymised)	Box 23
Appendix 7	RFQ issued to meter installers re the installation of voltage sensors at end of feeders / Provisional design of end-of-feeder voltage monitors	Box 25
Appendix 8	An overview on the concept of network templates	Box 1

Appendix 7: RFQ issued to meter installers re the installation of voltage sensors at end of feeders / Provisional design of end-of-feeder voltage monitors



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Request for Quotation

Company Details		Information	
Name		THIS IS NOT AN ORDER	
Address		Our reference RFQ/HM Date 23/07/2010 Buyer Helen Mearns Phone 0117 933 2429 Quote due on Monday 2 nd Aug 10	
Tel: FAX:		Instructions Please now complete the below table & questionnaire and return to the above Buyer. A budgetary quote only is required. Prices should be all inclusive (ex VAT) but excluding abortive visits.	
Company Quote Information submitted by: Printed Name Signature			
Specification of Requirements		Installation of single phase monitor £	Installation of three phase monitor £
See next page			
Please answer the following: Are you able to cover all the geographical areas specified? If not please specify..... On average how many single phase monitors per day would you be able to install? On average how many three phase monitors per day would you be able to install?			

Additional Information

1. Quotations are budgetary and not in any way legally binding
2. Please email or post the Quotation to the Originator at the above address by 10am on Monday 2nd August 2010.

Introduction:

Western Power Distribution are in the process of submitting a proposal to Ofgem in support of their bid for low carbon network funding. This involves substation monitoring plus the monitoring of voltages at the end of Low Voltage Feeders. We require a budgetary price only for the installation of voltage monitoring devices with built in Comms (a “Smart meter”) used only to monitor voltage in domestic, commercial or industrial premises. (never in substations) Quantity: Approx 6,000-8,000 monitors in roughly the following proportions – 80% single phase domestic, 20% 3 phase split between industrial and commercial.

Time scale: Start April 2011, completion end December 2011

Area: Swansea, Heads of the Valleys, East Wales, Monmouth, Chepstow and Cardiff.

WPD to provide:

- List of properties to be completed within a two month banding (this will be co-ordinated with installations at substations by WPD).
- WPD will seek permissions for access to the property and to fit the new device but the contractors will need to arrange dates and times.
- WPD to provide free issue of monitors/ “Smart Meters” from WPD Depots in South Wales.
- **Drawings (options 2 and 4)**

Contractor to:

- Install in accordance with the two attached drawings
- To be fitted on to the existing meter board
- Supply tails, security ferules and any other accessories which may be required.
- Supply a weekly update on their progress

Qualifications:

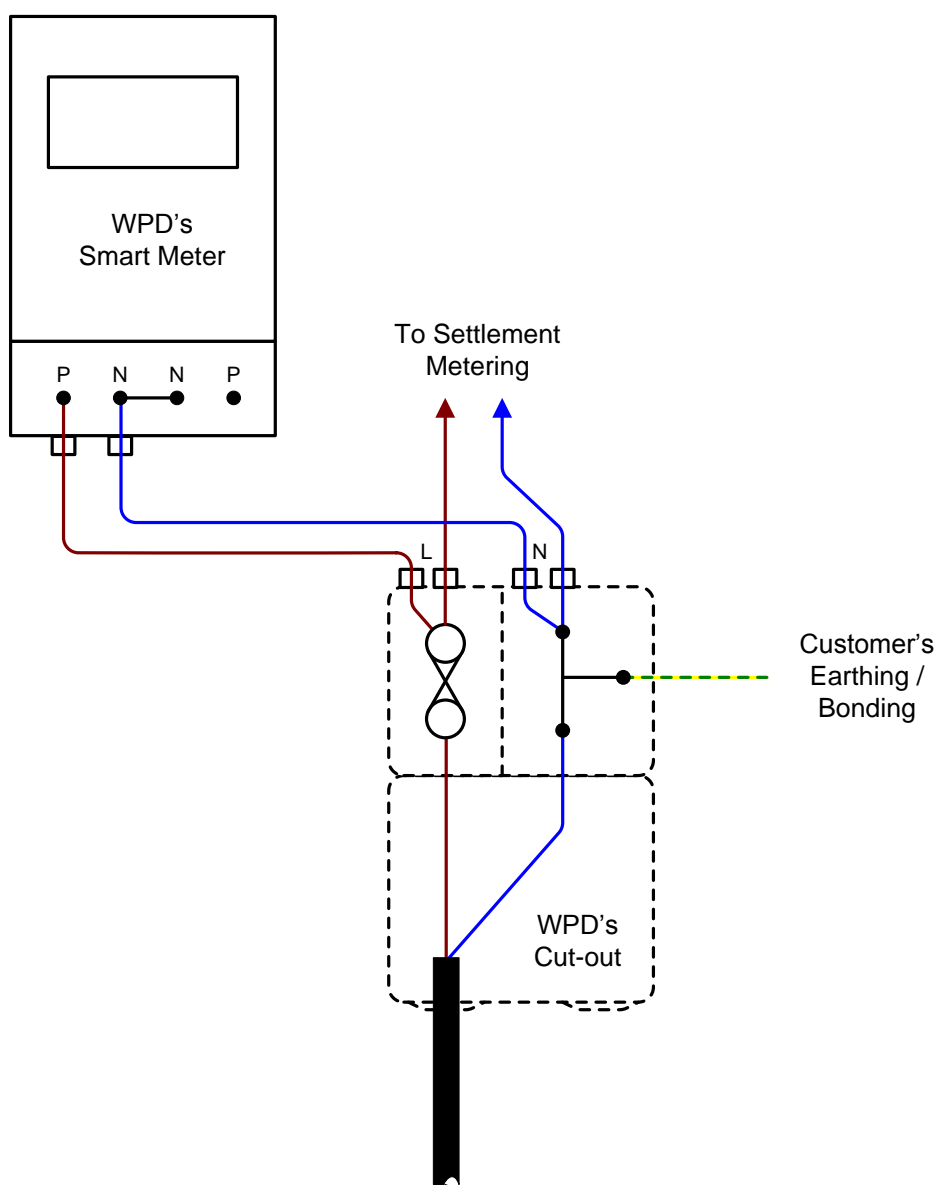
- MOCOPA registered
- Authorised to work in the Western Power Distribution South Wales area or prepared to obtain authorisation at own cost.

Next stage: If awarded LCN funding Western Power Distribution, consideration will be given to issuing formal tender documents in December 2010.

Provisional design of end-of-feeder voltage sensors ('smart meter') to ensure only voltage is measured.

Option 1

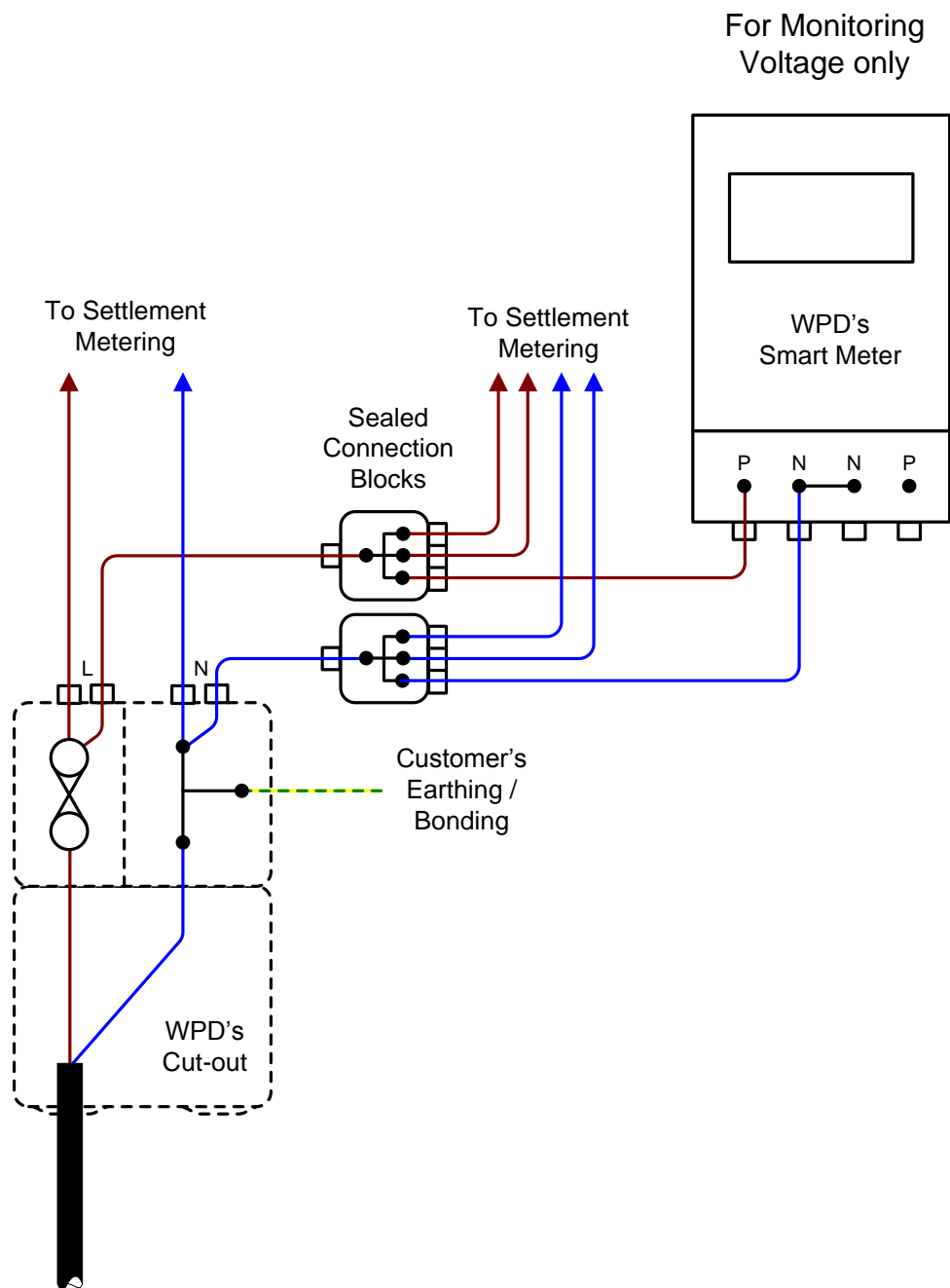
For Monitoring Voltage only



Note:

Security thimbles shall be fitted at the cut-out and WPD's smart meter (so far as is reasonably practicable) to minimise the risk of tampering

Option 2



Note:
Security thimbles shall be fitted at the cut-out, WPD's smart meter and at the connection blocks (so far as is reasonably practicable) to minimise the risk of tampering