

**Technical Proposal for Wireless AMI System****Part I – General Information**

Address of Premises:	
Name of Applicant (in English) :	
(In Chinese) :	
ASN/CCID No. (if applicable):	
WSD AMI Reference No. (if applicable):	

To: Water Authority

I/We<sup>#</sup> will provide a wireless AMI system in the above premises. The proposal for the wireless AMI system installation is summarized as follows:

No. and Size of Water Meters Involved

Size	DN 15	DN 25	DN 40	DN 50*	DN 80*	DN 100*	DN 150*	DN 200*	DN 250*	DN 300*
No.										

\* Pulse counter will be used

Please tick the appropriate boxThe following items will be acquired through WSD<sup>@</sup>:
☐ Wireless MIUs   ☐ Wireless Pulse Counters   ☐ SIM Cards

<sup>@</sup> Payment to WSD for relevant items shall be settled at least 6 months before collection of Meters.

The following items will be acquired on my own with prior approval from WSD:

☐ Wireless MIUs   ☐ Wireless Pulse Counters   ☐ SIM Cards

☐ Other: \_\_\_\_\_  
(Please Specify)

Target Date of Collection of Meters from WSD: \_\_\_\_\_  
(Technical Proposal should be approved by the WSD beforehand)

Target Date of Effecting of Water Supply: \_\_\_\_\_  
(Wireless AMI System should be completed beforehand)

Submitted by:		Company Name:	
Telephone No.:		Email Address:	
	Date of Submission:		

# delete as appropriate

Encl.

**Part II – Documents Enclosed with the Technical Proposal**

Please tick the appropriate box

Item of Document		Included in the Proposal	Not Applicable
<b><u>General</u></b>			
(1)	Preliminary Drawings/Layout Plans showing:  (a) The site location and boundary of the development; and  (b) Locations of water meters (e.g. common floor plan).	<input type="checkbox"/>   <input type="checkbox"/>	<input type="checkbox"/>   <input type="checkbox"/>
(2)	Initial signal coverage test report showing:  (a) The signal strength measured at each location of water meter; and  (b) The proposed remedial plan for poor signal coverage locations.	<input type="checkbox"/>   <input type="checkbox"/>	<input type="checkbox"/>   <input type="checkbox"/>
(3)	Supporting Documents including:  (a) Copy of related Special Conditions in Land Lease with covering letter showing date of issuance of the Land Lease (if applicable);  (b) Appointment letter issued by the Developer to entrust the Works to the Contractor; and  (c) AMI Outstation Design Change Request Form (for change of design from wired to wireless scheme); and  (d) Form WWO1155 Request for Work to be Carried out by the Water Authority (if Wireless Water Meter Interfacing Device(s) are acquired through WSD).	<input type="checkbox"/>   <input type="checkbox"/>   <input type="checkbox"/>   <input type="checkbox"/>	<input type="checkbox"/>   <input type="checkbox"/>   <input type="checkbox"/>   <input type="checkbox"/>
(4)	Other information required by the Water Supplies Department (WSD). Please specify:  _____	<input type="checkbox"/>	<input type="checkbox"/>
<b><u>Please fill in the following part if the Meter Interface Units (MIU) and/or Pulse Counters will be acquired on your own with prior approval from WSD</u></b>			

(5)	<p>Design of the wireless water meter interfacing device including:</p> <p>(a) General arrangement of the MIU assembled to the mechanical water meter in CAD files and drawings;</p> <p>(b) General arrangement of the pulse counter assembled to the ultrasonic/EM water meter (if any) in CAD files and drawings;</p> <p>(c) Brochure and technical schedule of the MIU and pulse counter (if any);</p> <p>(d) Brochure and technical schedule of the Field Configuration Tools;</p> <p>(e) Telegram of the MIU and pulse counter (if any);</p> <p>(f) Type test report to substantiate IP68 of the MIU and pulse counter;</p> <p>(g) Type test report to substantiate the electromagnetic interference level and emission limit in compliance with OFCA's requirements; and</p> <p>(h) Calculations to substantiate the lifespan of the battery.</p>	<p><input type="checkbox"/></p> <p><input type="checkbox"/></p> <p><input type="checkbox"/></p> <p><input type="checkbox"/></p> <p><input type="checkbox"/></p> <p><input type="checkbox"/></p> <p><input type="checkbox"/></p> <p><input type="checkbox"/></p>	<p><input type="checkbox"/></p> <p><input type="checkbox"/></p> <p><input type="checkbox"/></p> <p><input type="checkbox"/></p> <p><input type="checkbox"/></p> <p><input type="checkbox"/></p> <p><input type="checkbox"/></p> <p><input type="checkbox"/></p>
(6)	<p>Equipment Schedule including:</p> <p>(a) A list of MIUs and pulse counters for the wireless AMI system with brand, model no., product brochure, technical data sheet;</p> <p>(b) A list of special tools required for disassembly and reassembly of the MIUs and pulse counters;</p> <p>(c) A list of special tools for fixing MIU on water meter (if any);</p> <p>(d) A list of field configuration tools for the proposed MIUs and pulse counters; and</p> <p>(e) Method Statement for the routine and sample tests of the MIUs and pulse counters.</p>	<p><input type="checkbox"/></p> <p><input type="checkbox"/></p> <p><input type="checkbox"/></p> <p><input type="checkbox"/></p> <p><input type="checkbox"/></p>	<p><input type="checkbox"/></p> <p><input type="checkbox"/></p> <p><input type="checkbox"/></p> <p><input type="checkbox"/></p> <p><input type="checkbox"/></p>