

POWER QUALITY ASSESSMENT

This form is required if ANY piece of Low Voltage equipment has a rating of greater than 75A per phase or any High Voltage Connection Application.



List ALL proposed / expected equipment in the installation that may result in voltage fluctuations or distortion.

NOTE: The installation WILL NOT be energised unless all the information required on this form has been provided and processed.

Submit in conjunction with an Application for Connection or as requested by Ausgrid

Please complete this form in BLOCK LETTERS.

PART A INSTALLATION ADDRESS

Property Name

Floor

Unit

Street No.

RMB/Lot

Street

Suburb

Cross Street

Existing Meter ID

Pole Pillar ID

PART B INSTALLATION NON LINEAR/ FLUCTUATION LOAD DETAILS

Description	kVA/kW	Amp	Number of operations/hr	Design Standard	Mitigation Measures
DISTORTING LOADS					
1 Phase capacitor-filtered or conventional rectifier					
3 Phase 6-pulse capacitor filtered rectifier / Variable Speed Drives					
3 Phase 6 pulse capacitor filtered rectifier with series inductor > 3% or DC drive / VSD					
3 Phase 6 pulse inductor filtered rectifier / VSD					
3 Phase 12 pulse rectifier / VSD					
AC voltage regulator					
Variable voltage variable frequency (VVVF) Drive					
Switch mode power supplies					
Power Factor Correction					
Unknown					
FLUCTUATING LOADS					
Rating of the largest motor					
Rating of the second largest motor					
Rating of other frequently fluctuating loads:					
Other:					
SPECIAL EQUIPMENT					
X-Ray or Magnetic Resonance Imaging Devices					
Welding plant rating					
Arc furnaces rating					
Unbalanced loads (e.g PH-N / PH-PH loads)					
Other:					
TOTAL APPARENT POWER RATING					

PART C REFERENCES TO SIMILAR INSTALLATIONS OR COMMENTS
