APPENDIX 3

SAMPLE SIZE CALCULATION

Sample Size Calculation

\[ n = \frac{\left(z_{\alpha/2} \right) p \times q(\delta)}{(d.f)^2} \]

\[ n = \frac{(1.96)(0.5) \times (0.5)(2)}{(0.0692)^2} \]

\[ n = \frac{1.9208}{0.0479} \]

\[ n = 401 \]

The sample size of 401 has been arrived based on the above calculation. Data were collected from 401 respondents of ISO 9001 certified SME’s in TamilNadu.
Sample Size Calculation Output

*Source: G Power Sample Size Calculation Software*

**Determine Sample Size**
- **Confidence Level:** 95% 99%
- **Confidence Interval:** 4.13
- **Population:** 1390
  
  ![Calculate]

  ![Clear]

  **Sample size needed:** 401

**Find Confidence Interval**
- **Confidence Level:** 95% 99%
- **Sample Size:** 401
- **Population:** 1390
- **Percentage:** 50

  ![Calculate]

  ![Clear]

  **Confidence Interval:** 4.13

(Source: G Power Sample Size Calculation Software)