

Table 1 Average variance extracted and composite reliability of constructs

| Constructs | Items | L | L ₂ | VE | AVE | AVE SQRT | A | CR |
|-------------------|--------|-------|----------------|-------|-------|----------|-------|-------|
| Innovation skills | TINS4 | 0.609 | 0.370 | 0.629 | 0.381 | 0.617 | 0.704 | 0.709 |
| | TINS6 | 0.722 | 0.521 | 0.478 | | | | |
| | TINS7 | 0.586 | 0.343 | 0.656 | | | | |
| | TINS11 | 0.537 | 0.288 | 0.711 | | | | |
| STQM | TPBM2 | 0.786 | 0.617 | 0.382 | 0.519 | 0.720 | 0.867 | 0.895 |
| | TPBM3 | 0.871 | 0.758 | 0.241 | | | | |
| | TPBM4 | 0.746 | 0.556 | 0.443 | | | | |
| | TCI3 | 0.668 | 0.446 | 0.553 | | | | |
| | TCI4 | 0.751 | 0.564 | 0.435 | | | | |
| | TCI5 | 0.58 | 0.336 | 0.663 | | | | |
| | TCI6 | 0.631 | 0.398 | 0.601 | | | | |
| Lean strategies | TLS5 | 0.943 | 0.889 | 0.110 | 0.686 | 0.828 | 0.791 | 0.810 |
| | TLS6 | 0.695 | 0.483 | 0.516 | | | | |
| Standardization | TS1 | 0.723 | 0.522 | 0.477 | 0.578 | 0.760 | 0.867 | 0.871 |
| | TS3 | 0.787 | 0.619 | 0.380 | | | | |
| | TS4 | 0.842 | 0.708 | 0.291 | | | | |
| | TS5 | 0.824 | 0.678 | 0.321 | | | | |
| | TS6 | 0.6 | 0.36 | 0.64 | | | | |

A = Cronbach's α ; AVE; Average variance extracted; AVE SQRT = square root of every AVE value; CR = composite reliability; L = loading; STQM = soft total quality management; TCI = transformed items for continuous improvement; TINS = transformed items for innovations skills; TLS = transformed items for lean strategies; TPBM = transformed items for people-based management; TS = transformed items for S; VE = variance error.