TOWER RUSH

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# Tower Rush strategy for understanding stake risk

Detailed reference

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https://towerrush2pk.com/en/strategy

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Tower Rush

## Additional calculation cases and withdrawal boundaries — Two betting policies: an independent mathematical model

I ran 24000 simulations of each policy. Outcomes of the two-outcome model: gross 2× with p=0,485 or 0 with p=0,515; expected RTP 97%. This is not the reconstructed mathematics of the Tower Rush floors. Start 6600.00 PKR, base bet 50.00 PKR, maximum 90 cycles, net boundaries ±1800.00 PKR after settlement, bet cap 36000.00 PKR. The next unavailable bet is stopped before debit. Quantiles are linear interpolation by (N−1)p.

| | |
|---|---|
| **Policy** | Fixed bet |
| **Mean net PKR** | -136.86 |
| **Mean turnover PKR** | 4499.88 |
| **Q05 PKR** | -900.00 |
| **Q50 PKR** | -100.00 |
| **Q95 PKR** | 600.00 |
| **Stop reasons** | cycle limit: 23989; stop-loss: 10; take-profit: 1 |
| **Ruin** | 0/24000 |

| | |
|---|---|
| **Policy** | Doubling after loss |
| **Mean net PKR** | -270.43 |
| **Mean turnover PKR** | 8861.71 |
| **Q05 PKR** | -3150.00 |
| **Q50 PKR** | 1800.00 |
| **Q95 PKR** | 1800.00 |
| **Stop reasons** | take-profit: 13018; stop-loss: 10890; cycle limit: 92 |
| **Ruin** | 0/24000 |

Ruin here means a remainder below 27.00 PKR, not any triggering of stop-loss. A zero number of ruins does not mean zero risk: the one-sided 95% boundary with zero events equals 0.012481%. Doubling changes the risk of the trajectory and the required bank, but does not eliminate the negative expectation of a single accepted bet.

| Step | Next bet | Previous losses | Remainder before step | Admissible by bank/cap |
|---|---|---|---|---|
| 1 | 50.00 PKR | 0.00 PKR | 6600.00 PKR | True |
| 2 | 100.00 PKR | 50.00 PKR | 6550.00 PKR | True |
| 3 | 200.00 PKR | 150.00 PKR | 6450.00 PKR | True |
| 4 | 400.00 PKR | 350.00 PKR | 6250.00 PKR | True |
| 5 | 800.00 PKR | 750.00 PKR | 5850.00 PKR | True |
| 6 | 1600.00 PKR | 1550.00 PKR | 5050.00 PKR | True |
| 7 | 3200.00 PKR | 3150.00 PKR | 3450.00 PKR | True |
| 8 | 6400.00 PKR | 6350.00 PKR | 250.00 PKR | False |
| 9 | 12800.00 PKR | 12750.00 PKR | 0.00 PKR | False |

## Subject reference: parameters and applicability — 20. Session

| ID | Attribute | Value, conditions and result |
|---|---|---|
| 20-01 | Game and version | TR-PK-DEMO-01; Original Galaxsys, FUN, ENV-A. |
| 20-02 | Mode | FUN demo; the access method does not change the mode. |
| 20-03 | Session duration | 27 minutes from 01.11.2026 08:05:00 PKT. |
| 20-04 | Number of rounds | 25 accepted cycles; 24 settled and one void. |
| 20-05 | Bet size | Individual stakes of each journal row, step 0,50 FUN. |
| 20-06 | Total stakes | 363.00 FUN settled; void separately. |
| 20-07 | Full round payouts | 652.00 FUN, refund not included. |
| 20-08 | Number of rounds with a payout | 19/24. |
| 20-09 | Number of profitable rounds | 17/24. |
| 20-10 | Number of bonus events | 4/24; two Frozen, one Temple, one Triple. |

| ID | Attribute | Value, conditions and result |
|---|---|---|
| 20-11 | Maximum observed payout | 68.75 FUN. |
| 20-12 | Final balance | 2489.00 FUN. |
| 20-13 | Observed return | 179.614325%. |
| 20-14 | Theoretical return | For fixed turnover 363.00 FUN at 97%: expected gross 352.11 FUN, net −10.89 FUN. |

## Subject reference: parameters and applicability — GR16. In-game applicability

| ID | Attribute | Value, conditions and result |
|---|---|---|
| GR16-02 | Bet change rule | A: fixed 50.00 PKR; B: doubling after a loss and reset after a success. |
| GR16-03 | Basis for comparing strategies | Same start 6600.00 PKR, up to 90 cycles, same p and stop thresholds. |
| GR16-05 | Planned number of rounds | 90 cycles maximum in one run. |
| GR16-06 | Number of runs | 24 000 runs of each policy. |
| GR16-09 | Bet increase step | B: next=2×previous after loss, cap 36000.00 PKR. |
| GR16-10 | Policy for insufficient bank | Insufficient balance or exceeding the cap stops the next debit; a negative bank is prohibited. |
| GR16-12 | Stop-loss condition | Balance ≤4800.00 PKR after settlement; losses ≥1800.00 PKR. |
| GR16-13 | Take-profit condition | Balance ≥8400.00 PKR after settlement; profit ≥1800.00 PKR. |
| GR16-15 | Share of ruined runs | Fixed bet: 0/24000; Doubling after loss: 0/24000; ruin — balance below 27.00 PKR. |
| GR16-16 | Monte Carlo error | With zero events, the one-sided bound 95% 0.012481%; with a non-zero share, SE=sqrt(p(1−p)/N). |