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Smart-Contract Parameters for Telkes
1. Core Emission Parameters
Parameter
                 | Name
                                   | Value
Notes
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Initial Block Reward | INITIAL_REWARD | 50 * 10^DECIMALS
| 50 TKL, in atomic units
                | DECIMALS
Decimals
                                     | 8
1.1 \text{ TKL} = 10^8 \text{ units}
                 | HALVING_INTERVAL_BLOCKS
Halving Interval
                                               | 1 051 200
| ~4 years @2 min blocks
Max Supply
             | MAX_SUPPLY
                                       | 1_000_000_000 * 10^DECIMALS
Cap at 1B TKL
Block Time Target | TARGET_BLOCK_TIME_SEC
                                                | 120
2 minutes per block
Difficulty Window
               | DIFFICULTY WINDOW BLOCKS
                                                 | 1024
| Retarget every 1024 blocks
Difficulty Adjustment | DIFFICULTY_ADJUSTMENT_FACTOR | 0.2
±20% per retarget
Reward-per-Block Calculation:
epoch = floor(blockHeight / HALVING_INTERVAL_BLOCKS)
reward = INITIAL_REWARD >> epoch // halves each epoch
if reward < 1 then reward = 0
                        // stop when <1 unit
2. Transaction Fee & Burn Logic
                        | Value | Notes
Parameter
         | Name
Base Tx Fee Rate | FEE_RATE_BP | 10 | 0.10% of amount
Fee Burn Percentage | BURN_RATE_BP | 500 | 5% of fee is burned
Fee Recipient
            | FEE_POOL_ADDRESS | - | receives 95% of collected fees
Per-Transfer Logic:
fee = amount * FEE_RATE_BP / 10000
burnAmount = fee * BURN RATE BP / 10000
poolAmount = fee - burnAmount
_burn(burnAmount)
transfer(sender, FEE POOL ADDRESS, poolAmount)
_transfer(sender, recipient, amount - fee)
3. Revenue Buy-Back & Burn (Off-Chain)
                         | Value | Notes
                | Name
        Revenue Burn Rate | REVENUE_BURN_BP | 1000 | 10% of bought-back tokens burned
Buy-Back Pool Address | BUYBACK_POOL_ADDRESS | - | holds 90% to fund staking & DAO
4. Governance & Staking Parameters
                | Name
                              | Value | Notes
Staking APY Cap | MAX_STAKING_APY_BP | 500 | Max 5% from fee pool Proposal Deposit | PROPOSAL_DEPOSIT | 10,000 * 10^8 | 10,000 TKL Voting Period | VOTING_PERIOD_SEC | 604800 | 7 days
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Quorum Threshold | QUORUM_BP | 200 | 2% of staked TKL Execution Delay | EXECUTION_DELAY_SEC | 172800 | 48 hours Developer Notes:

- Use SafeMath or built-in checked arithmetic.
- Emit events on reward changes, fee burns, and buy-backs.
- When reward == 0, switch to fee-only issuance.
- Governance module integrates with ERC-20 hook or PoS staking.