Telkes Tokenomics

1. Token Overview
- Name: Telkes Token
- Ticker: TKL
- Type: Native utility & governance token on the Telkes PoW blockchain
- Max Supply: 1 000 000 000 TKL
- Decimals: 8
- Consensus: CPU-friendly Proof-of-Work (e.g. RandomX)

2. Emission & Mining
- Block Time: 2 minutes
- Initial Block Reward: 50 TKL
- Halving Schedule: Every 4 years (~1 051 200 blocks)
- Emission Curve:
  - Year 0–4: 50 TKL/block → ~131 M TKL/year
  - Year 4–8: 25 TKL/block → ~65.5 M TKL/year
  - …continues until max supply is reached in ~28–30 years

3. Supply Distribution

Category	% of Supply	Tokens	Vesting / Unlock
Mining Rewards	60 %	600 000 000 TKL	N/A
Ecosystem Incentives	15 %	150 000 000 TKL	N/A (used for grants, hackathons, partners)
Community Rewards	5 %	50 000 000 TKL	N/A (airdrops, bounties)
Public Sale	5 %	50 000 000 TKL	20 % at TGE, then linear over 12 months
Private Sale	5 %	50 000 000 TKL	25 % at TGE, then linear over 12 months
Team & Advisors	8 %	80 000 000 TKL	1 yr cliff, then 36 mo linear vesting
DAO Treasury	2 %	20 000 000 TKL	Governed by on-chain proposals

4. Utility & Incentives
1. Transaction Fees: All on-chain fees (e.g. transfers, contract calls) paid in TKL.
2. Fthen Platform:
   - Subscription payments: Pay monthly/yearly fees in TKL at a 5 % discount.
   - Revenue buy-backs: A portion of Fthen's USD revenue is used to buy TKL and burn it.
3. Staking & Governance:
   - Stake TKL to earn up to 5 % APY (paid from fee pool).
   - Locked TKL = voting power in the Telkes DAO (protocol upgrades, grant funding).
4. Clean-Energy Rewards:
   - Users who upload IoT-verified renewable-energy data (e.g. kWh solar generated) earn 1 TKL per kWh above a baseline.
5. Community Programs:
   - Bounties, hackathons, and partner integrations funded from the Ecosystem & Community pools.

5. Deflationary Mechanics
- Fee Burn: 5 % of all transaction fees are permanently burned.
- Revenue Burn: 10 % of Fthen's buy-back funds (in TKL) are burned to shrink supply over time.

6. Governance Framework
- Proposal Deposit: 10 000 TKL (refunded if quorum is met)
- Voting Period: 7 days
- Quorum: 2 % of staked TKL
- Execution Delay: 48 hours after passing (for safety)