REFORMING MONEY AND BANKING: HOW A FULL-RESERVE, INTEREST-FREE SYSTEM CAN ELIMINATE GOVERNMENT DEBT, DEFICITS, AND INFLATION.

Monetary Reformation for National Sovereignty: A Blueprint for Full-Reserve, Interest-Free Banking in Pakistan

ABSTRACT

Pakistan's huge public debt leads to massive interest payments, which blow up the budget deficit, so the government borrows even more. Therefore, A reformed system must balance Islamic beliefs with successful monetary policies while providing for regulatory supervision.

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Abstract:

Pakistan’s economy keeps running in circles; huge public debt leads to massive interest payments, which blow up the budget deficit, so the government borrows even more. The banks, meanwhile, just create new money out of nothing to cover it all.

A full-reserve, interest-free monetary system might drastically transform Pakistan's financial environment, encouraging stability by requiring banks to keep 100% reserves against deposits and allocating credit to productive investments. The removal of interest (riba) is consistent with Islamic beliefs, eliminating the tensions inherent in fractional banking and perhaps reducing inflation. Historical attempts at fast Sharia-based economic changes, however, warn against premature adoption, as shown in prior crises in Iran and Sudan. Currently, Islamic finance accounts for less than 20% of Pakistan's banking assets, with experts pushing for a balanced strategy that includes Shariah-compliant products alongside traditional means. Pakistan's low tax-to-GDP ratio of about 9% demands tax changes to increase revenue, with the goal of raising it to 15% of GDP. Any new monetary framework should guarantee that money production is tightly connected to real economic outputs to reduce chronic inflation, which has been worsened by excessive money supply increase. A reformed system must balance Islamic beliefs with successful monetary policies while providing for regulatory supervision. Incremental, evidence-based approaches are critical for efficiently integrating Islamic finance into Pakistan's economy to sustain development and stability.

Keywords

Full-Reserve Banking, Islamic Banking Models, Shariah-Compliant Finance, Monetary Sovereignty, Debt-Based Monetary System, Macroeconomic Justice

Introduction

Pakistan’s economic landscape is marked by challenges that have proven resistant to conventional solutions. This downfall is result of mismanagement, short term time policies, political insatiability and bad or poor governance, which would lead to high inflation and dept trap. The country faces chronic fiscal deficits, a ballooning public debt burden, and persistent, often runaway inflation. Recent figures starkly illustrate the gravity of the situation: Pakistan’s public debt had soared to 76.007 trillion [first nine months of FY 2025][1] approximately 75% of its gross domestic product—a level that greatly restricts fiscal maneuverability and signals potential risks to macroeconomic stability. Pakistan external debt for 2023 was 130.85 billion US dollars, a 2.46% increase from external debt for 2022 was 127.71 billion US dollars[2]. Even more alarming, the government now allocates around 60% of its annual revenue merely to service interest payments on this debt, In year 2025-26, for external dept USD 8.21 billion and for domestic servicing, 7.91 trillion payed, drastically limiting its capacity to invest in development, public services, or poverty alleviation. Inflation has spiraled out of control, surging above 30% in 2023 and briefly peaking at 38%, which has eroded household purchasing power and increased social discontent[3]. The central bank’s aggressive tightening of monetary policy has provided some relief, but the overall trajectory remains worrisome. Both standard monetary and fiscal policy interventions have repeatedly fallen short, failing to deliver lasting solutions to these interlinked crises.

In light of these persistent failures, a growing chorus of Pakistani economists and Islamic finance scholars have proposed a radical overhaul: replacing the current banking structure with a full-reserve, interest-free financial system. Under this model, commercial banks would be required to hold reserves equal to 100% of all demand deposits effectively eliminating the practice of fractional reserve banking, which allows banks to create new money through lending. Furthermore, all financial activities whether in the public or private sector would be fully compliant with Sharia law, meaning the prohibition of riba (interest) would be strictly enforced. Proponents argue that this dual transformation could have transformative effects: erasing the government’s crippling interest burden, rapidly reducing public debt, restoring price stability by curbing inflationary credit expansion, and ensuring that the entire financial sector is aligned with the ethical and religious values embraced by the majority of Pakistanis.

Before suggesting a way forward for Pakistan, a comprehensive examination of above claims have been carried out in sue. We will systematically unpack the key concepts underlying full-reserve, interest-free banking, tracing their intellectual roots in both Western economic thought and Islamic jurisprudence.

The concept of banking vogue:

The basic concept of banking or a bank is to act as a financial middleman taking deposits from savers, paying them interest and lending that money to borrowers on higher interest compared to paid to the depositor , making profits out of difference of interest rates. Providing financial services like facilitations of payments, credit creation, safeguarding money and other financial services for free.

Full-Reserve Banking: Definition and Theory

Full-reserve banking, also known as "100% reserve banking" or the "100% money" system, is a radical departure from the fractional reserve model that dominates modern finance[3]. In this framework, banks are legally obligated to hold liquid reserves, in the form of cash or central bank deposits, equivalent to the full value of all demand deposits[4]. This means that for every rupee deposited in a bank account, there must be a matching rupee held in reserve, ready to be withdrawn at any time. The capacity of banks to create new money through the issuance of loans is eliminated; money creation becomes the exclusive domain of the central bank. Banks, under this regime, would act purely as custodians of deposits and as intermediaries for investment, channeling funds into productive ventures only from explicitly designated, risk-bearing investment pools such as equity or long-term savings accounts. The separation between money as a means of payment and credit as a means of investment becomes absolute.

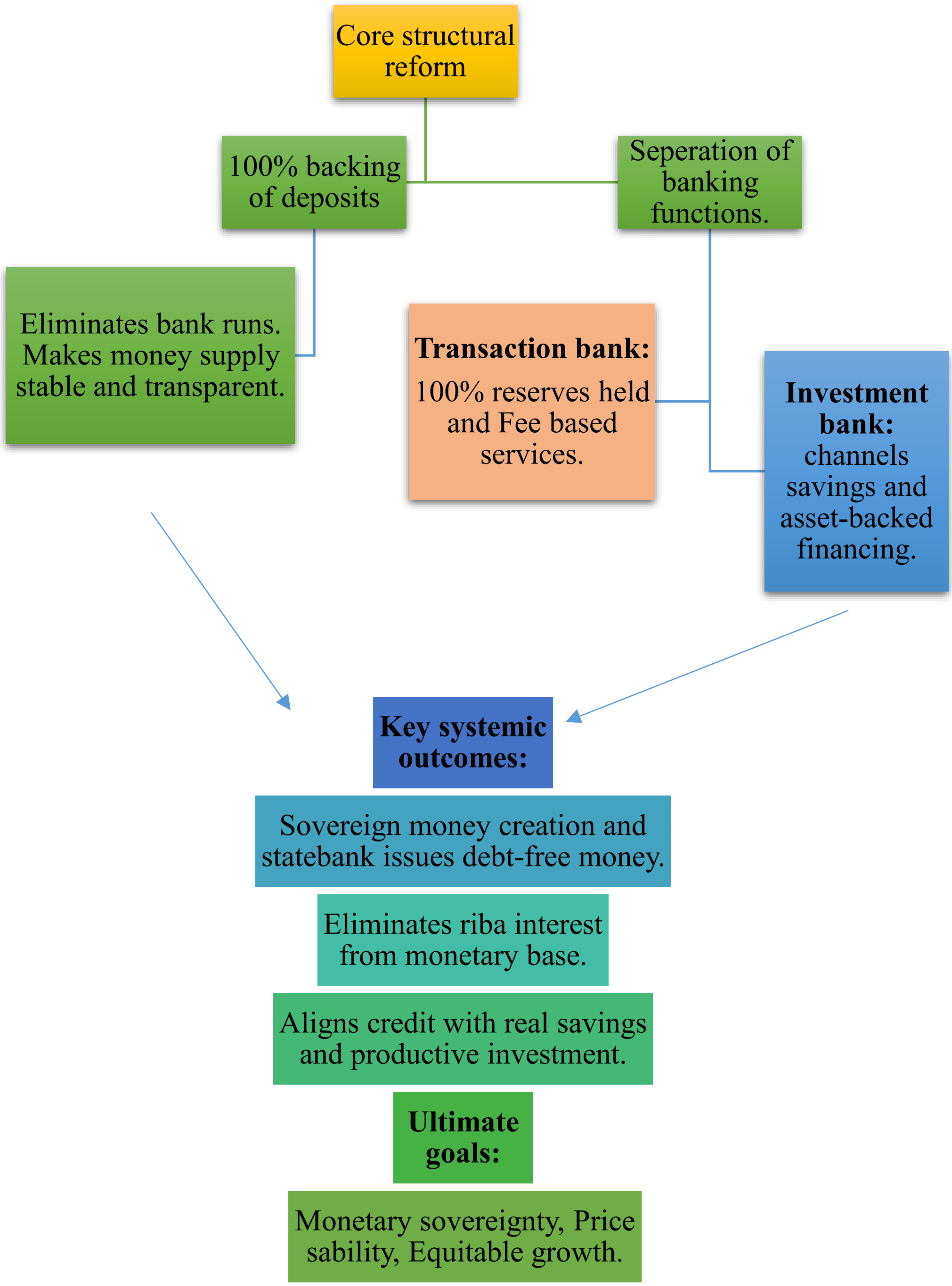

Figure 1: Outcomes and Architecture of a Full-Reserve Banking System that shows the structural shift from a unified to a separated banking model. the functional change and the end goals that are the economic objectives the reform aims to achieve.

The intellectual roots of full-reserve banking can be traced back to tumultuous periods in economic history. In the 1930s, following the devastation of the Great Depression, the “Chicago Plan” devised by leading economists at the University of Chicago, including Irving Fisher—proposed a 100% reserve requirement as a means to ensure monetary stability and prevent banking crises[4]. Later, Milton Friedman, one of the foremost figures in monetary economics, advocated for a similar approach to reduce the risks inherent in fractional reserve banking. Even prominent contemporary thinkers like Martin Wolf have argued that full-reserve banking could deliver "huge advantages," [4][5]including greater financial stability and the prevention of speculative bubbles. The logic is compelling: by disentangling the money supply from the expansion and contraction of private credit, the economy becomes less vulnerable to bank runs, destabilizing credit cycles, and debt-driven inflationary pressures[6].

In operational terms, the model is straightforward yet far-reaching in its implications. When a bank receives a deposit, it must retain that full amount in central bank reserves, making the funds available for withdrawal at any moment. Lending and investment activities would be financed strictly from separate sources, such as explicitly designated investment funds or long-term deposits that customers agree to lock in for a defined period. Some advanced proposals even envision a single, sovereign "100% money serving as the exclusive means of transaction, while all credit flows would be managed through transparent, non-depository investment vehicles. This framework not only enhances systemic stability but also provides a clear mechanism for controlling the money supply and ensuring that credit is directed toward genuinely productive uses rather than fueling speculative excesses.

In the context of Pakistan, advocates of full-reserve, interest-free banking propose an ambitious but clear pathway. The State Bank of Pakistan (SBP) would raise its reserve requirement to 100%, compelling commercial banks to exchange their holdings of government securities for central bank reserves. This process, in theory, would allow the SBP to effectively "monetize" the government's debt, converting it into sovereign money and thereby eliminating the interest liabilities that currently consume the bulk of public revenues. As one leading proponent describes it, banks would "hand over government debt to the SBP in exchange for sovereign money, resulting in debt elimination[7]." In this scenario, the government could wipe the slate clean, freeing up fiscal resources for investment in development and social welfare. The proponents also argue that by removing interest from the financial system and grounding all credit provision in asset-backed, risk-sharing arrangements, the system would not only stabilize the currency but also foster a fairer and more inclusive economic order in line with Islamic principles.

Islamic finance[5], often called interest-free banking, stands on Shariah law's clear ban against riba, usury or interest. The State Bank of Pakistan (SBP) draws a line here: interest-free banking means avoiding interest, nothing more. Islamic banking, on the other hand, aims to weave Islamic values into every financial transaction. There's no room for fixed interest or guaranteed returns on loans or deposits. Profit comes from trade, leasing, or equity investments, but both sides share in profit and loss. The SBP puts it this way: reward capital based on how it actually performs. Lenders don't get to collect risk-free returns, disconnected from the real economy.

Islamic Interest-Free Finance:

Every Islamic finance deal must be tied to real assets or actual services, exposing all parties to genuine risk. That's why you see financing structured as trade (Murabaha), joint investment (Musharaka, Mudarabah), leasing (Ijarah), or service fees. Zooming out, SBP argues this approach brings a kind of discipline to fiscal and monetary policy, money should be rooted in something real, not just numbers on a balance sheet[6].

Islamic banking's growth in Pakistan is hard to ignore. By 2025, the government wants 30% of banking assets to be Islamic—right now, it's about 25%. These banks answer to Shariah boards and swap out interest for Profit-and-Loss Sharing (PLS) or markup contracts. Research paints an interesting picture: one study found Islamic banks in Pakistan held up better during financial shocks and helped stabilize the sector more than conventional banks. A recent quasi-experimental study went further, estimating that, between 1990 and 2022, Islamic banking boosted GDP growth by 23–32% compared to an all-conventional system.

Pakistan's Economic prespective:

Pakistan is facing an acute fiscal and debt crisis, exacerbated by crippling interest payments on public debt, which accounted for approximately 60% of government revenue by FY2022/23. The total public debt has risen to around 75% of GDP, with foreign currency debt comprising roughly 40%. The burden of debt servicing significantly limits the government's capacity for development, leading to the conclusion that, without substantial reform, Pakistan must either drastically reduce non-interest spending or pursue debt relief.

Monetary instability compounds these issues, as Pakistan has experienced persistent double-digit inflation, which exceeded 30% in some areas during 2022-23. This inflation surge has been driven largely by currency devaluation and energy price shocks, resulting in widespread economic challenges at both macro and micro levels. Consequently, the country is caught in a debt-inflation trap where high deficits and inflation lead to increasing borrowing at higher rates, further aggravating inflation.

The banking system in Pakistan includes a dual structure, with conventional banks prevailing while Islamic banks account for about $44 billion as of September 2025, accounting for 21.6% of the total banking sector assets[7]. The State Bank of Pakistan (SBP) has been promoting Islamic banking, aiming for a 30% market share by 2025. Despite a formal declaration in 1985 that all rupee financing be interest-free, the banking sector has continued to operate with interest in practice, employing legal mechanisms like markups. Recent government initiatives have hinted at a shift towards Islamic financing, yet comprehensive reforms remain lacking.

The International Monetary Fund (IMF) and SBP have consistently highlighted fiscal vulnerabilities and the significant burden of debt servicing affecting the country. In light of these challenges, a proposal for a full-reserve, interest-free banking system is presented. Advocates argue that such a system could eliminate debt-money creation and interest costs, potentially addressing the structural issues facing Pakistan. However, the effectiveness of this approach in resolving enduring economic problems without creating new ones demands careful evaluation.

Full-Reserve vs Islamic Systems

Full-reserve and Islamic banking both seek to connect finance with real economic activity and risk-sharing, rejecting pure debt-money through different pathways. While full-reserve banking relies on regulatory measures, Islamic finance is grounded in religious principles, with both systems emphasizing that capital providers share risk rather than earn guaranteed interest. Full-reserve banking strictly limits banks to lend only their deposits, while Islamic finance encourages profit and loss sharing through explicit contracts. A critical differentiation lies in money-creation power; full-reserve banking reserves this to central authorities, whereas Islamic banks can create deposits through lending structured as asset transactions, still inclined to pay profits akin to interest. A potential reform in Pakistan contemplates a hybrid system combining Islamic finance's ethical framework with full-reserve discipline, aligning with Islamic principles such as no riba and ensuring 100% reserves.

International Experiences in Muslim-Majority Countries

Comparative experience offers mixed but instructive lessons. No country has implemented a fully combined 100% reserve and economy-wide interest ban, but several Muslim-majority states illustrate partial paths. Malaysia is often cited as a success: it operates a dual banking system where Islamic banks coexist with conventional ones under strong central regulation. Islamic banking has expanded rapidly and Malaysia leads globally in sukuk issuance, yet interest remains central to monetary policy and inflation control. This shows Islamic finance can scale and remain stable, but does not validate full-reserve or interest-free claims. In contrast, Iran and Sudan pursued abrupt, economy-wide interest bans. Iran's post-1979 reforms replaced interest with profit-sharing contracts, but were followed by high inflation, fiscal stress, and eventual reintroduction of quasi-interest mechanisms under different labels. Sudan's 1984 Islamization coincided with soaring inflation and debt, contributing to economic collapse and policy reversal. These cases suggest that banning interest without strong fiscal discipline and monetary control can exacerbate inflation rather than restrain it.

Turkey offers another partial case: participation (Islamic) banks function under a fractional-reserve system and have grown modestly, but high inflation persists due to weak macroeconomic discipline, not the presence or absence of Islamic banking. Despite the fact that interest is not prohibited in Turkey's economy, the Islamic banking sector is expanding. Participation banks account for about 8-9% of assets. Turkey's inflation has been extraordinarily high in recent years (more than 30% even without an interest restriction[8]). The Turkish case shows that Islamic financial institutions can use risk-sharing models, but it does not demonstrate full-reserve effects. Notably, Turkish participation banks frequently deploy profit-sharing and lease products, although borrowers nevertheless pay significant real costs. The Fitch network says that Turkish Islamic banks have maintained strong profiles, but their market share is limited[9]. The Turkish example demonstrates how Islamic banking can flourish under fractional regulations, but without strict fiscal restraint, inflation can remain high.

Overall, the evidence suggests Islamic banking can coexist with stability when introduced gradually within a strong regulatory framework, as in Malaysia, while abrupt interest prohibitions in fragile economies have correlated with instability, as seen in Iran and Sudan. None of these cases directly validates the feasibility of a full-reserve, interest-free system. They do, however, support the argument that incremental expansion of Islamic finance, paired with disciplined fiscal and monetary governance, is far less risky than sudden structural overhauls. For Pakistan, this implies that careful sequencing and institutional strength matter more than ideological purity in determining outcomes.

How the Reform Addresses Pakistan's Core Problems:

This transition goes right at the heart of Pakistan's economic problems.

Eliminating Domestic Government Debt:

Here's how it works. By switching to a 100% reserve requirement, commercial banks must swap their government bonds for reserves at the SBP. The SBP takes those bonds and cancels them. It wipes out a huge chunk of government debt, but without triggering the hyperinflation people usually fear from just "printing money." Why? Because you're swapping interest-bearing debt for stable central bank money. The Levy Institute actually modeled this and found that it delivers a lasting drop in consolidated government debt.

Fixing Deficits and Inflation:

Once you erase that crushing domestic debt, fiscal dominance ends. Now, when the government needs to run deficits for things like roads or schools, the SBP can simply issue new, debt-free sovereign money and fund those projects directly[10]. The money supply grows, but as long as it's matched to the economy's productive ,it doesn't have to drive inflation. The SBP finally gets real control over the money supply, using it for the public good instead of being chained to debt auctions.

Built-In Islamic Compliance:

This system gets rid of Riba from the ground up. No one pays or receives interest on the monetary base. Investments follow Islamic finance rules of risk-sharing and asset-backing only. Finance stops being just a rent-seeking game and actually becomes a partnership in building real enterprises.

International Precedents and Lessons for Pakistan

No country has rolled out this system nationwide yet, but the global debate around it offers plenty for Pakistan to think about.

The Chicago Plan from the 1930s aimed to stop bank runs and steady the economy after the Great Depression[11]. Modern IMF studies still find its ideas promising. Even Milton Friedman believed switching to this model was “straightforward, reasonably fast, and without any adverse repercussions.”

Pakistan isn’t the only one searching for alternatives. The Islamic Financial Services Board in Malaysia has compared asset-backed Islamic finance with traditional systems, digging deep into the differences. Iran, Sudan, and several Gulf countries have all run interest-free banking windows, building up real, practical knowledge on Sharia-compliant finance that Pakistan can tap into.

Then there’s Switzerland. In 2018, they held a national vote on the “sovereign money initiative[12]” which would have brought in full-reserve banking[13]. Three out of four people voted no. But here’s the real takeaway: they got the issue on a national ballot. That doesn’t just happen. It takes a massive, focused public education effort to get people up to speed on how money really works and why they should care about changing the system. If Pakistani reformers want to succeed, they need to take that lesson to heart and make public education their top priority.

Addressing the Challenges and Laying Out a Roadmap

Critics aren’t wrong to raise concerns as these need answers right from the design stage.

- **Will Credit Dry Up?** Some worry that a shift to full-reserve banking will choke off credit. Supporters push back, saying credit doesn’t disappear. It just changes shape. Instead of banks creating money through loans, credit would come from real savings that people pool in investment accounts. The result? Lending becomes more disciplined, better tied to the actual resources in the economy.
- **Will Shadow Banking Take Over?** There’s a real risk that if banks can’t offer easy credit, unregulated shadow lenders fill the gap. The solution: regulators need to widen their net.

The new banking law should define "money-like" liabilities broadly and force any group issuing them to follow full-reserve rules [14].

- **Is Transition Technically Possible?** Both Friedman and the Chicago Plan suggest it is[15] [16]. And today, digital ledger technology makes it far easier to track every rupee and manage sovereign money. We're no longer limited by old systems.

Pakistan needs a careful, step-by-step plan:

Phase 1

Foundation (Years 0-2). Start with a National Monetary Reform Commission, bring in economists, Islamic scholars, bankers, and technocrats. Begin drafting the Full-Reserve and Interest-Free Banking Act. Run public seminars and media campaigns to clear up confusion about how money is really created.

Phase 2

Parallel Pilot (Years 2-4). Give the SBP legal authority to create money for a few, carefully chosen public projects, a dam, a green energy corridor, something tangible. Launch a voluntary "SBP-Backed Transaction Account" at banks. Encourage Islamic banks to offer pure, fee-based transaction accounts.

Phase 3

Full Implementation (Years 5+). Pass the law. Move all demand deposits into 100%-reserved accounts. Convert all bank-held government debt into SBP reserves, just once. Set up rules so future sovereign money creation is transparent, tied to GDP growth and the country's investment needs.

Implementation Strategy

Institutional reforms at the central bank and fiscal levels would be essential to support such a transition. The State Bank of Pakistan (SBP) would require a revised mandate emphasizing rule-based monetary issuance, potentially linking base money creation to real output growth or a clearly defined low-inflation target, rather than relying primarily on interest-rate signaling. This would imply a shift toward quantity-based monetary control while preserving macroprudential oversight.

Concurrently, public financing mechanisms would need restructuring, with government development spending increasingly funded through equity-based or profit-sharing instruments rather than interest-bearing liabilities. Fiscal discipline would remain critical: eliminating interest payments does not remove the risk of inflationary financing, and thus must be accompanied by stronger revenue mobilization, expenditure efficiency, and legal safeguards against excessive monetary expansion. Finally, regulatory amendments, capacity building in Islamic finance, and sustained engagement with domestic stakeholders and international creditors would be necessary to ensure credibility, maintain debt sustainability, and manage transition risks.

Pakistan faces a real fork in the road when it comes to its monetary system. The current setup (fractional-reserve banking) locks the country into endless debt, keeps inflation biting hardest at the poor, and runs straight against Islamic values. There's another way, though: a full-reserve, interest-free system. It's not just economic theory; it lines up with both critical economic thinking and the Quranic ban on Riba. If the State Bank of Pakistan takes back the reins on money creation, the government can wipe out its massive interest bills, keep prices steadier, and push financing toward real, productive investments backed by actual assets.

Limitations:

- **Credit Crunch and Economic Risk**: Getting rid of fractional-reserve lending would choke the flow of credit. Banks just wouldn't be able to lend as much, and that kind of squeeze usually drags the economy down—think recession territory. Plus, if banks can't lend, people start looking for money elsewhere, and that's when shadow banking steps in. It's way less regulated and a lot riskier[17].
- **Monetary Policy Headaches**: Take away interest rates, and the central bank loses its main steering wheel. Trying to match the ups and downs of money demand would get messy, fast. Print too much money and you've got inflation. Hold back, and the economy risks sliding into deflation. There's not much room for error.
- **Transition**: Changing over current financial contracts wouldn't be easy. You'd see lawsuits flying and banks freezing credit just to play it safe. On top of that, foreign investors might get spooked. That could send the national currency tumbling and scare off new capital.

- **Unsettled Sharia Debate**: Not everyone agrees that banning interest means the need to use a 100% reserve system. Some Islamic scholars are fine with fractional-reserve Islamic banks, as long as they're tightly regulated.
- **Major Political Pushback:** Big stakeholders like commercial banks, bondholders, the IMF, won't just sit back and watch this happen. There will be disagreements, since it hits their bottom line and clashes with their view of how money should work.

Conclusion

History shows that rushing into financial Islamization often brings chaos. For Pakistan, success depends on trust. It also demands careful planning and some tough policies, like tightening up budgets and fixing how the country collects taxes. The smartest move isn't a sudden leap, but a gradual approach. Starting by strengthening Islamic finance ,while slowly raising reserve requirements and carefully testing out debt-free financing for key public projects.

Finally, a full-reserve, interest-free economy represents a bold vision consistent with Islamic ethics and certain economic critiques of fractional banking. In theory, it might eliminate the government's debt servicing costs while stabilizing inflation. However, the feasibility in Pakistan remains dubious[18]. It's about taking back economic control and laying down the groundwork for a fairer system. The transition needs to be based on real evidence and practical results, balancing fairness and risk-sharing without rocking financial stability. Through well-designed pilot programs, honest conversations with stakeholders, and steady, patient steps, as any changes must be grounded in evidence and implemented slowly ,then Pakistan can turn this ambitious vision into a stable, just, and prosperous reality.

References

[1] Pakistan's public debt grows 6.7pc to Rs76tr in nine months of FY 2025
[2] Pakistan External Debt | Historical Chart & Data
[3] Phillips, Ronnie J.; Minsky, Hyman P. (2016-09-16). *The Chicago Plan and New Deal Banking Reform*. Routledge. p. 46. ISBN 978-1-315-28663-1.
[4] https://en.wikipedia.org/wiki/Full-reserve_banking
[5] Rashid, A., Yousaf, S. and Khaleequzzaman, M., 2017. Does Islamic banking really strengthen financial stability? Empirical evidence from Pakistan. *International Journal of Islamic and Middle Eastern Finance and Management*, *10*(2), pp.130-148.

[6] https://tribune.com.pk/story/2510936/full-reserve-banking-system-sought#:~:text=Audit%20Committee%20Character%20Education%20Foundation,now%2C%20we%20have%20a%20problem

[7] VEON subsidiary launches Islamic banking in Pakistan | Salaam Gateway - Global Islamic Economy Gateway

[8] Turkish participation banks' assets up 45% but still 'long way to go' | Daily Sabah

[9] Turkish Islamic Banks Maintain Steady Financial Profiles as Market Shares Fall

[10] Fiscal Dominance and the Return of Zero-Interest Bank Reserve Requirements | St. Louis Fed

[11] Weisenthal, Joe. "BAN ALL THE BANKS: Here's The Wild Idea That People Are Starting To Take Seriously". *Business Insider*. Retrieved 2020-11-30.

[12] https://www.admin.ch/gov/fr/accueil/documentation/votations/20180610/initiative-monnaie-pleine.html

[1] [2] [3] [24] findevlab.org : https://findevlab.org/wp-content/uploads/2024/10/FDL-_Policy-Note-19_Resolving-Pakistans-Debt-Problems_Oct24_FINAL.pdf

Husain, A. M. (2024) *"Resolving Pakistan's Debt Problems"*, Finance for Development Lab Policy Note 19, Oct, pp.4–6. Available at: (findevlab.org)[1][2].

[13] Atkins, Ralph (10 June 2018). "Swiss voters reject 'sovereign money' initiative". *Financial Times*. Archived from the original on 2022-12-10. Retrieved 2020-11-30.

[14] Krugman, Paul (April 26, 2014). "Is A Banking Ban The Answer?". *New York Times*. Retrieved September 18, 2015.

[15] Solow, Robert M. (March 28, 2002), "On the Lender of Last Resort", *Financial crises, contagion, and the lender of last resort*, Oxford University Press, p. 203, ISBN 978-0-19-924721-9

[16] Full reserve banking system sought

[17] Money Creation under Full-reserve Banking – Levy Economics Institute of Bard College

[18]https://www.researchgate.net/publication/317022317_Does_Islamic_banking_really_strengthen_financial_stability_Empirical_evidence_from_Pakistan