HONG KONG — As China confronts a persistent slowdown in growth, its government moved to pump more money into the economy using stimulus measures that could create other challenges for the country.

Chinese officials on Friday mostly followed a well-worn playbook, putting in effect a number of measures designed to help lower corporate borrowing costs. The central bank cut interest rates for the sixth time in less than a year, and it freed up banks to lend more money for the fourth time since November.

The government also took a step toward easing the pressures for consumers, by removing a cap on the interest rates that banks can pay for deposits. The decision, part of a broader effort to liberalize the banking system and make it more efficient, may help increase household incomes, a critical piece of the economic puzzle.

The scramble reflects the economic struggles facing China. Official data released on Monday showed that China’s growth slipped to 6.9 percent in the third quarter, the weakest quarterly expansion since 2009, in the depths of the financial crisis.

Inflation, too, has been weak. Like Europe and Japan, China is dealing with disinflation in producer prices and weak increases in consumer prices. Such an environment can cause companies to cut investment and consumers to refrain from spending, pulling down the overall economy.

While China’s economy is hardly falling off a cliff, the spate of actions in recent
months suggests that the troubles are mounting. And analysts indicated that more stimulus may be necessary.

The moves “intensify concerns that the measures taken so far have had limited traction in supporting growth and that more drastic measures might be required in the coming months,” said Eswar Prasad, a professor of trade policy at Cornell University, who used to head the China division of the International Monetary Fund.

China is joining a lineup of central banks seeking to prop up economic growth by easing monetary policy, even as the United States Federal Reserve considers an interest-rate increase.

On Thursday, Mario Draghi, the president of the European Central Bank, said he was ready to add monetary stimulus, possibly including rate cuts, as early as December, depending on the shape of Europe’s economy. As its output declines, Japan could be forced to ramp up its aggressive bond-buying campaign known as quantitative easing.

In China, the collection of policy measures could set off other economic troubles, complicating the country’s response to slowing growth.

On Friday, the People’s Bank of China said it would cut the one-year lending rate by a quarter of a percentage point, to 4.35 percent, effective Saturday. The benchmark deposit rate would be lowered by the same amount, to 1.5 percent.

By making loans cheaper, China is hoping to encourage companies to spend and invest. But the extra loans could foster more construction of apartment buildings, office towers and shopping malls. China is already struggling to cope with a real estate glut and a mountain of debt.

“The reliance on monetary policy could also hurt the goal of rebalancing the economy by reducing the reliance on credit-fueled investment growth to boost overall growth,” Mr. Prasad said.

China’s reliance on increasing the money circulating through the economy, which is already more than the amount in the United States, could also further weaken the Chinese currency and prompt additional outflows. The currency, the
renminbi, has been a particular point of concern ever since a surprise devaluation in August sent a wave of volatility through global stock markets.

The renminbi, tightly managed by the government, has remained largely stable in the two months since the devaluation. But financial outflows have increased as local and foreign investors seek to move money offshore over fears of further devaluations and the generally weaker outlook for China’s growth.

To help ensure stability, China’s central bank paired its rate cut on Friday with a 0.5 percentage point reduction to the so-called reserve requirement ratio. The ratio stipulates how much cash commercial banks must set aside instead of lending. The cut was necessary to “maintain reasonably ample liquidity in the banking system,” the central bank said in a statement.

In tandem with the cuts, the central bank said it would no longer set a ceiling on the rates that banks may pay depositors.

Since last year, China had been making incremental steps toward deregulating interest rates, which included a nationwide plan that began earlier this year to insure bank deposits. Allowing banks to compete for deposits by paying higher interest offers a better deal for customers, who in China tend to keep a relatively high proportion of their money in ordinary savings accounts.

The central bank noted on Friday that the timing of the move was advantageous. At the moment, the broad pressure on rates in China is downward. That decreases the risk that banks might become too aggressive in offering ever-increasing interest payments — a situation that, in the United States, served as an impetus for the savings and loan crisis of the 1980s.

Neil Gough reported from Hong Kong, and Keith Bradsher from New York.

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