FINANCE INDIA
© Indian Institute of Finance
Vol. XXXII No. 3, September 2018
Pages – 785 – 804

## Non-Performing Assets (NPAs) of Scheduled Commercial Banks (SCBs) in India: Analytical Revelations

AMARJIT SINGH SETHI \*
ANU BAJAJ\*\*

## Abstract

This paper makes certain analytical revelations in respect of NPAs of the SCBs in India in respect of the extent of instability along the growth path; temporal narrowing down of inter-bank gaps; and structural changes in the functional relationships of NPAs with size of the banks. The computations were made for 26 public sector, 18 private and 21 foreign banks (as also for the 65 SCBs taken together) period from 1995-2014. As per the main findings, the asset quality of all types of Indian SCBs has turned sour fairly rapidly after global financial crisis of 2008-09. As per convergence analysis (both unconditional and conditional), inter-bank gaps have temporally narrowed down, so far as the severity of their bad loans is concerned, although the extent of dispersion has not declined. Further, for each of the categories, NPAs of the banks were observed to be related with their size. During the post-crisis period, higher the size of an SCB, lower would expectedly be its NPAs.

## I. Introduction

<sup>\*</sup> Professor, Guru Nanak Dev University, Punjab School of Economics, Amritsar, Punjab 143005, INDIA

<sup>\*\*</sup> Senior Research Fellow, Guru Nanak Dev University, Punjab School of Economics, Guru Nanak Dev University, Amritsar, Punjab 143005, INDIA

802 Finance India

## References

- Bajpai, N., (2011), "Global Financial Crisis, its Impact on India and the Policy Response", Working Paper Series, Columbia Global Centres, Working Paper, No. 5, 2, pp.13.
- Barro, R.J. and X. Sala-i-Martin, (1992), "Convergence", Journal of Political Economy, Vol. 100, No. 2, pp. 223-51.
- Barro, R.J. and X. Sala-I-Martin, (1995), "Economic Growth", McGraw-Hill, Inc., New York.
- Bercoff, J., J di Giovanni and F. Grimard, (2002), "Argentinean Banks, Credit Growth and the Tequila Crisis, pp. A Duration Analysis", unpublished.
- Bernard, A.B. and C.I. Jones , (1996), "Technology and Convergence", *The Economic Journal*, Vol 106. pp. 1037-44.
- Boyd, J. and M. Gertler, (1994), "The Role of Large Banks in the Recent US Banking Crisis", Federal Reserve Bank of Minneapolis, Quarterly Review, Vol.18, pp.1-21.
- Cashin, P. and R. Sahay, (1996), "Regional Economic Growth and Convergence in India", *Finance and Development*, Vol. 33, No. 1, pp. 49-52.
- Das, A. and S. Ghosh, (2006), "Size, Non-Performing Loans, Capital and Productivity Change: Evidence from Indian State-owned Banks", Reserve Bank of India, MPRA Paper, No. 17396, pp. 1-16.
- Dhar, P.K., (2007), "Indian Economy and Its Growing Dimensions", 15th Ed., Kalayani Publishers, Delhi, pp. 697-01.
- Hausman, E., (1978), "Specification Tests in Econometrics", *Econometrica*, Vol. 46, No. 1, pp. 1251-1271.
- Jain, V., (2007), "Non-performing Assets in Commercial Banks", Regal Publications, Delhi, pp. 1-333.
- Karungaran , (2005), "Non-Performing Assets, pp. A Threat to Stability An Overview with Special Reference to Indian Financial System", *Studies in Money, Finance and Banking*, Atlantic Publishers, Delhi , pp. 151-179.
- Khemraj, T. and S. Pasha, (2009), "The Determinants of Non-Performing Loans, pp. An Econometric Case Study of Guyana", Munich Personal RePEC Archive Paper 53128.
- Kim, S.T., (2014), "An Analysis on Convergence of Local Public Expenditures in Korea", *Journal of Digital Convergence*, Vol. 12, No. 7, pp. 65-76.
- Kumar , (2014), "Convergence in Electricity Consumption in India, pp. A State Level Analysis", *Indian Economic Review*, Vol. 49, No. 2, pp. 173-92.
- Lokare, S.M., (2014), "Re-emerging Stress in the Asset Quality of Indian Banks, pp. Macro-Financial Linkages", RBI Working Paper Series, WPS No. DEPR, pp. 03/2014, pp.1-43.
- Parsana, P.K, M. Thenmozhi and N. Rana, (2014), "Determinants of Non-Performing Advances in Indian Banking System", *Banks and Banks System*, Vol. 9, No. 2, pp. 65-77.

- Rajan, R., (2005), "Has Financial Development Made the World Riskier?" *National Bureau of Economic Research*, November 2005.
- Rajaraman, I and G. Vashistha, (2002), "Non-Performing Loans of Indian Public Sector Banks Some Panel Results", Reserve Bank of India Bulletin.
- Rajeev, M., (2008), "Asset As Liability? NPAs in the Commercial Banks of India", A Research Project Funded by South Asia Network of FCO Research Institutes.
- Ranjan R. and S.C. Dhal, (2003), "Non-Performing Loans and Terms of Credit of Public Sector Banks in India,: An Empirical Assessment", Reserve Bank of India Occasional Papers", Vol. 24, No. 3, pp.81-21.
- Ray, S. K., (1983), "Growth and Instability in Indian Agriculture", Institute of Economic Growth, Delhi.
- RBI, (1991), "Report of the Committee on the Financial System", Shri Narasimham Committee, Reserve Bank of India, Delhi.
- RBI , (1998), "Report of the Committee on Banking Sector Reforms", Shri Narasimham Committee, Reserve Bank of India, Delhi.
- RBI, (2012), "Report on Trend and Progress of Banking in India", Reserve Bank of India.
- RBI, (2013), "Report on Trend and Progress of Banking in India for the Year Ended June 30, 2013" submitted to the Central Government in terms of Section 36, No. 2 of the Banking Regulation Act, 1949.
- RBI , (2014a), "Non-Performing Assets and Public Sector Banks in India", Lok Sabha Secretariat, Parliament Library and Reference, Research, Documentation and Information Service , LARRDIS.
- RBI, (2014b), "Master Circular-Prudential Norms on Income Recognition, Asset Classifiaction and Provisioning Pertaining to Advances", Reserve Bank of India, Mumbai.
- Rudra, A., (1970), "The Rate of Growth of the Indian Economy", In Robinson, E.A.G and M. Kidron, No. eds., *Economic Development in South Asia*, McMillan, London.
- Samir and D. Kamra, (2013), "A Comparative Analysis of Non-Performing Assets, No. NPAs of Selected Commercial Banks in India", *International Journal of Management*, Vol. 3, No. 1, pp.68-80
- Sethi, A.S., (1997), "Behaviour of Savings, Consumption and Investment in India", Indian Economic Association First Amrit Jubilee Conference Volume, pp. 448-54.
- Sethi, A.S., (2008), "Social Sector Expenditure in India, pp. An Examination of Inter-state Divergences", IEA Conference Volume of 91st Annual Conference of the Indian Economic Association, Part-1, pp.229-41.
- Sethi, A.S. and Baljit Kaur, (2012), "Are Indian States Converging on Public Expenditure? An Empirical Evidence", *The Journal of Income and Wealth*, Vol. 34, No. 2, pp. 73-88.
- Skidmore, M., H. Toya and D. Merriman, (2004), "Convergence in Government Spending, pp. Theory and Cross-Country Evidence," *Kyklos*, Vol. 57, pp. 587-619.

804 Finance India

Somasekharan, Jayasekhar, S. Prasad and V.P. Nirmal Roy, (2011), "Convergence Hypothesis, Some Dynamics and Explanations of Agricultural Growth across Indian States", Agricultural Economic Research Review, Vol. 45, No. 24, pp. 22-25.

Sreekantardhya, B.S., (2004), "Resolving the Problem of Non-Performing Assets of Commercial Banks", *Banking and Finance Perspectives on Reform*, Deep and Deep Publications, Delhi, pp. 114-29.

Swamy, V., (2015), "Modelling Bank Asset Quality and Profitability: An Empirical Assessment", Discussion Paper, Economics, The Open Access, The Open Assessment, E-Journal, pp. 2-37., No. 2015-27 April 20, 2015

The Tribune Bureau, (2016), "Rajan on 'Real Cause' of Bad Loans", The Tribune, May 02, 2016, Vol. 136, No. 121, pp. 16.