

## **Risk Management - Priorities for the Indian Banking Sector<sup>1</sup>**

The new decade is predicted to be more transformational than the first decade of this millennium for the Indian economy and the Indian financial system. If the last ten years have seen transformation in terms of consistently higher growth rates, adoption of core banking solutions, transformation in the payments systems and greater integration with the global economy, the coming decade will see unprecedented volume of business for the Indian financial system as it tries to meet the challenges and requirements of rapid and inclusive growth. Information Technology (IT) has made it possible for banks to deal with large numbers and such growth in volume and value of business will obviously imply huge challenges for risk management, which in turn will have to depend on human resources and IT in dealing with the new normal- a theme so apt for this conference.

2. The major challenge is, clearly, having the human resources of the right kind and numbers and the ability to retain skilled personnel. From having personnel to deliver banking services to the poorest, to having the expertise to deliver sophisticated financial products and adopt consistent risk management practices across the organisation, will be the key to managing huge organisations optimally.

3. If one of the reasons for the global financial crisis was that the financial sector grew out of sync with the real sector in the advanced economies, in India the position is different in that the financial system has to ensure that it meets the requirements of the growing real sector. Risk is inherent in banking as banks essentially trade in risk in the process of maturity transformation. Therefore, banks cannot afford to be risk avoiders. At the same time 'banker's prudence', something that is critical to safety of the depositors' funds, has to be the underlying philosophy at all times. The risk return relationship has to be optimally balanced for welfare enhancing outcomes.

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<sup>1</sup> Opening remarks of Smt. Usha Thorat, Deputy Governor, Reserve Bank of India at the Panel Discussion on 'Risk Management: Priorities for the Indian Banking Sector' chaired by her at 'BANCON- Indian Banking Conclave 2009-10' on January 12, 2010 at Mumbai.

4. The crisis has thrown up some critical issues relevant to risk management policies:

- The business model matters. Banks that were extremely aggressive in the trading books were clearly more affected. Those that had a fair degree of traditional banking were less affected.
- There has to be an intuitive approach to risk. Despite huge growth in leverage and huge expansion of 'on' and 'off-balance' sheet items, complex risk models threw up measures of risk that seemed to be quite capable of being absorbed. There was obviously a clear limitation to these models especially in times of stress. The inadequacies stemmed from two perspectives –
  - (a) Use of past data without adequately factoring in the data from acute periods of stress and
  - (b) The presumption that the highly sophisticated mathematical models could be as successful as they are in physical sciences.

The latter presumption is clearly wrong inasmuch as financial events are heavily influenced by largely unpredictable or irrational human behaviour which models cannot capture. Nevertheless, these are useful when considered as one of the inputs supplemented by stress/ scenario analysis and informed judgement. The other aspect which causes serious concern is that the comprehension of these models remains confined to a small group of *Quants* and it becomes very difficult for the top management and boards to comprehend the actual risk undertaken by the organisation. These lessons will have to be kept in view now that some of the banks will move towards advanced approaches.

- Pricing of risk is important. There is a temptation to under-price risk whenever there is excess liquidity and pressure to generate profits. Pricing below cost can be risky and the risk cost is very often not captured adequately. Moreover, this gives rise to asset price bubbles with attendant implications.
- While credit, market and operational risk are captured in the capital framework under Pillar I of Basel II, liquidity risk, concentration risks, strategic risk, reputation risk and risks arising out of securitisation, off balance sheet vehicles, valuation practices need to be recognised. Banks' Boards need to focus on all these risks and set firm wide limits on the principal risks relevant to the banks'

activities. Banks should focus on robust stress testing. Compensation packages should also form part of risk management policies.

- This crisis has also highlighted the importance of internal controls, good corporate governance and risk management. As shown in the Senior Supervisors Group Report on Risk Management, some banks with strong risk management systems weathered the current crisis much better than many banks that had poor or inadequate risk management systems.
- For banks that are part of financial conglomerates, the process of risk management must focus on intra group exposures and transactions as also group wide exposures to sectors and borrowers.
- The new element recognised in this crisis is that even while sound risk management policies are observed at the firm level there could be systemic risks over which individual banks have no control and this calls for risk management at the systemic level – viz. ensuring financial stability by financial regulators and policy makers.

5. I will now turn to the key areas where banks need to focus while planning their businesses for higher growth, keeping in view the on-going international regulatory initiatives. The Basel Committee has brought out on December 17, 2009, two consultative documents containing key proposals that will be taken up for an impact study before adoption. These proposals cover raising quality and coverage of capital to ensure loss absorbency on a going and gone concern basis, greater stress on Tier-I and common equity component, introduction of leverage ratio, measures to deal with pro cyclicalities such as capital buffers and forward looking provisioning, introduction of minimum liquidity ratios and enhanced capital for trading book securitisations and counterparty credit exposures.

6. While our assessment is that Indian banks will be generally able to meet these enhanced requirements, it is useful to see on a rough and ready basis what the present position is in this regard. Our assessment shows that:

- The common equity component as percent of total assets stood at 7 per cent in March 2009 for Indian banking sector as against a range of 3 per cent to 4 per

cent for large international banks. Total CRAR is 13.75 percent with Tier I at 9.4 per cent. Thus Indian banks are in a position to meet the growth requirements currently and have reasonable period to plan and raise required capital for future growth.

- The leverage ratio for Indian banks including credit equivalents of off-balance sheet) was about 17 per cent in March 2009 and can be considered reasonable.
- While the SLR has stood us in good stead, banks would do well to assess their liquidity risk against the more calibrated liquidity ratios put out in the consultative document such as the proposed short term liquidity coverage ratio and long term net stable funding ratio. This should be a regular exercise for banks that have significant share of bulk deposits and CDs.
- The Basel proposals for forward looking provisioning are based on advanced approaches using through the cycle PDs etc. In India, banks are yet to adopt advanced approaches. The gross NPAs for the banking sector have increased from 2.4 per cent as on March 31, 2008 to 2.6 per cent as on September 30, 2009. In the context of the rising NPAs and the likely slippages in the restructured accounts, we had introduced the 70 per cent provisioning coverage ratio for NPAs as a forward looking requirement. Most banks currently meet this ratio. For standard assets, in alignment with the Basel proposals for forward looking provisioning, more work needs to be done based on sectoral trends and measurements of estimated loss based on something like the Spanish dynamic provisioning model.
- In the case of capital for trading book and counterparty exposures, while some enhancements have been made for forex derivatives, more work will be required for counterparty exposures and other derivatives. Nevertheless, looking at the interest rate risk for the entire balance sheet rather than the trading book alone, duration gap analysis could be a useful tool for managing interest rate risk.

7. Let me next turn to the areas where banks need to be sensitive to risk:

- While overall, credit growth in the banking sector has been slower in the current year, certain sectors like real estate, infrastructure and NBFCs have seen higher rates of growth. Credit to commercial real estate (CRE) has fallen in the half year

ended September 2009 evidencing higher risk perception. However credit to NBFCs and infrastructure continues to be high. While the country needs infrastructure financing of significant magnitude, banks that essentially mobilise short term resources do face risk on account of ALM, large size exposures and some risks beyond their control such as implementation hurdles. The emergence of long term investors such as pension and insurance funds, development of corporate bond market, and single name CDS may help in de-risking to a certain extent banks exposures to infrastructure.

- A phenomenon that RBI has brought to attention of banks recently is the large investments by banks into debt oriented mutual funds. MFs have invested large amounts in bank CDs. Banks that have a significant part of their liabilities in form of CDs have to be sensitive to the rollover risk. Equally, banks that have large investments in MFs have to be sensitive to the liquidity risk in the event of the need for sudden redemption by large investors at the same time. This distortion - whereby MFs are apparently acting as intermediaries in what should otherwise have been intermediated in the interbank market - is something that needs to be addressed. Besides there are concerns about the direction of flow of resources through MF intermediation.
- In the case of lending to NBFCs engaged in micro finance treated as priority sector lending by banks, there is a risk that multiple lending and high interest rates could lead to deterioration in asset quality. As originator of these loans no longer have stake in them, banks would do well to assess the credit quality of these loans by better oversight at the grass root level on a sample basis.
- While banks have been diversifying their operations and are into new businesses, it is necessary to recognise the reputation risk, especially when promoting VCFs and other such funds. As is now well known, internationally many banks had previously offloaded certain items from their balance sheet to specialised investment vehicles. During the market crunch the banks had to take back those assets on their balance sheets.
- Securitisation of assets by banks in India during the year ended March 31, 2009 showed a decline of about 30% over the previous year. This might affect the profitability of banks which have been undertaking securitisation activity as one of the main business lines. However, the securitisation activity may pick up once the

retail loan segment starts growing again. RBI would shortly issue guidelines on minimum retention requirement and minimum holding period for securitisable loans.

- While hedging or remaining unhedged is the prerogative of the borrowers, banks must remember that the unhedged position of their borrowers can quickly translate into severe stress on their asset quality and hence it is absolutely necessary that the unhedged position of the corporates are closely monitored and this is built into the credit and other rating assessment of the borrowers while extending facilities to them.
- Excess liquidity in the system has once again led to the familiar phenomenon of sub PLR short-term lending; banks would do well to recognise re-pricing and rollover risk.
- To remove the credit information asymmetry, RBI has taken long term steps inasmuch as it has issued in-principle authorisation for setting up four credit information companies. This may take some time to become operational. It must however be recognised that the system will function only to the extent timely and accurate information is made available and made use of. I understand that these are not happening both in providing information to CIBIL as well as making full use of the range of information available particularly for corporate credit.
- While introduction of technology in banking has increased the speed and accuracy of service delivery, it has also increased banks' vulnerability to cyber frauds. Banks need to put in place appropriate control mechanisms to prevent such frauds.
- It is necessary for the banks now to take technology from the core banking solution to a higher level to build up adequate MIS capability. Unless this is done, risk management cannot be of the highest order and banks will not be able to meet the challenge of an increasingly sophisticated financial system.
- In the area of housing loans, teaser rates are increasingly being offered which is a cause for concern. I hope banks are ensuring that borrowers are well aware of the implications of such rates and the appraisal takes into account repaying capacity of the borrowers when the rates become normal.
- Current experience worldwide has called for robust stress testing practices in the banks. Stress testing alerts bank management to adverse unexpected outcomes

related to a variety of risks and provides an indication of how much capital might be needed to absorb losses should large shocks occur. In India, banks should not take stress testing exercise a mere compliance requirement but accord due importance to it to facilitate the development of risk mitigation or contingency plans across a range of stressed conditions.

8. To conclude, Indian banking system which has shown resilience in withstanding the global crisis is well placed to meet the requirements of the rapid inclusive growth. Even in the new paradigm under Basel, the system is well placed in terms of capital and liquidity. Strong HR and sound risk management practices will stand the banks in good stead while they strive to meet the challenges of the next decade.

Thank you

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