

# Operating Efficiency Of Public Sector Commercial Banks In India During The First And Second Generation Reforms

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## INTRODUCTION

Public Sector Banks (PSB), being an important group of the financial organization of the Indian economy, acts as the backbone of economic growth and prosperity. It was observed that during the post-nationalization era, in spite of the progress made by the PSBs in general, the profitability of most of the PSBs declined due to tough competition among the different bank groups in the banking sector. Thus, in view of removing the serious erosion in the productivity and profitability of PSBs, the Government of India introduced reforms in the banking sector in 1991 and 1998 as per the recommendations of Narasimham Committee. At the outset, there was the pre-reform banking phase characterized by unprecedented growth and the pursuit of mass banking. This was followed by the era of reforms, which imparted an altogether different dimension to the nuances of banking, through what is better known as first-generation reforms. Currently, the banking system is in the second generation reforms featuring consolidation, merger and convergence as the core of major issue.

## METHODOLOGY

The researcher has taken all the Public Sector Banks in India to evaluate the operating efficiency. The PSBs include State Bank of India (1) and its Associates (7) and also 19 nationalized banks (list enclosed in the - abbreviation). The study was confined to secondary data consisting of 30 years. The period of the study was divided as first (1991-1997) and second (1998-2008) generation reforms based on the initiation of banking sector reforms as per recommendations of M. N. Narasimham in the year 1991 and 1998. To evaluate the operating efficiency of Public Sector Banks during the reform periods, the **Herfindhal's index** of concentration has been computed to each unit of PSBs.

### ABBREVIATIONS

ALL	Allahabad Bank	SYN	Syndicate Bank
AND	Andhra Bank		
BOB	Bank Of Baroda	UCO	Uco Bank
BOI	Bank Of India	UBI	Union Bank Of India
BOM	Bank Of Maharashtra	UTE	United Bank Of India
CAN	Canara Bank	VII	Vijaya Bank
CBI	Central Bank Of India	SBJ	State Bank Of Bikaner And Jaipur
COR	Corporation Bank	SBH	State Bank Of Hyderabad
DEN	Dena Bank	SBI	State Bank Of India
IB	Indian Bank	SBIN	State Bank Of Indore
IOB	Indian Overseas Bank	SBM	State Bank Of Mysore
OBC	Oriental Bank Of Commerce	SBP	State Bank Of Patiala
PSB	Punjab & Sind Bank	SBS	State Bank Of Saurashtra
PNB	Punjab National Bank	SBT	State Bank Of Travancore

## HERFINDHAL INDEX

To assess the relative performance of each Public Sector Bank in relation to the Public Sector Banking industry,

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Herfindhal's index of concentration has been computed using few selected parameter. The five parameters used are: Net Profits, Total Income, Total Expenditure, Spread and Burden. This index was calculated for each State Bank of India and its associates and nationalized banks on Absolute Volume Concentration Index. The minimum and maximum value of each of the concentration indexes would be  $1/n$  and 1 (unity) respectively ( $n$  is the total number of banks). In the former, there is no concentration i.e., all participating units obtain equal shares, while in the latter, one unit (bank) obtains the entire share leaving none for the remaining. Value of the over-all index (calculated for each year) is the sum total of all the index values of the participating banks, and is positively associated with the degree of concentration. Lesser the overall index, the greater is the similarity in the degree of operational efficiency enjoyed by the majority of the participating public sector banks, while a higher index implies, a higher degree of efficiency enjoyed by some of the Public Sector Banks.

## CONCENTRATION INDICES OF NET PROFIT

This performance of the public sector banks, with respect to sharing of net profit can be evaluated from the concentration indices of net profit presented in the **Table 1**. The overall concentration index witnessed wide variations over the period from 1991-2008. The index which was 0.1072 in 1991, increased to 21.7387 by 1996, and declined to 0.2540 during 1997, to 0.0818 by 2004, and there was an increase to 0.1122 in 2005 and thereafter, it gradually declined from 0.1095 (2006) to 0.0974 during 2008. The lowest value in the index was observed during 2004 (0.0818). The reason for the unusual high value (21.7387) in the overall index in 1996 was primarily owing to the negative net profit of all public sector banks combined i.e., -296.01 crores, as against ₹ 1336.41 crores for Indian banks.

State Bank of India contributed maximum to the over all index during 1995 (73.10 percent) and again during 1997-2008 (73.90 percent, 77.76 percent, 45.65 percent, 80.74 percent, 74.41 percent, 73.32 percent and 76.05 percent, while its contribution was the first largest during 1991 (48.97 percent), the sixth largest during 1992 (35.33 percent) and the second largest for 1996 (23.26 percent). Syndicate Bank had the maximum contribution during 1993 (26.08 percent), the fifth largest during 1994 (2.86 percent) and lesser contribution (i.e., less than 2.0 percent) for the remaining period (1995-2008). Bank of India witnessed the largest contribution in 1994 (37.89 percent), the third largest in 1993 (6.36 percent), the fourth largest during 1996 (2.56) and the fourth largest for 2008 (5.97 percent).

Further analysis revealed that eleven Public sector banks witnessed a higher contribution to net profit in 2007 as against the year 1991 (or the respective base years). Six nationalized banks showed a sharp decline in their contributions during 1992-2008 - these are Bank of Maharashtra (2.82 percent to 0.16 percent), Punjab and Sind Bank (2.28 percent in 1993 to 0.22 percent in 2008), Syndicate Bank (26.08 Percent to 1.06 percent), UCO Bank (from 11.45 percent in 1993 to 0.25 percent during 2008) and Vijaya Bank (2.12 percent in 1996 to 0.19 in 2008).

A group of four Banks (namely Syndicate Bank, UCO Bank, Bank of India and Indian Overseas Bank) contributed 79.0 percent to the over all index of net profit in 1993, while another group of top four banks (namely Bank of Baroda, Canara Bank, State Bank of Hyderabad and Union Bank of India) contributed only 0.07 percent to the index during the same year. In 1997 (mid of the study period 1991-2008), the contribution of top four banks (namely State Bank of India, Punjab National Bank, Indian Bank and Bank of India) was 87.72 percent, while the joint contributions of other seven banks (namely, Andhra Bank, Bank of Maharashtra, Dena Bank, Punjab and Sind Bank, Syndicate Bank, United Bank of India and Vijaya Bank) was just 0.54 percent for the same year. In 2008, the contribution of top four banks (namely State Bank of India, Punjab National Bank, Canara Bank and Bank of Baroda) remained 87.03 percent, while combined contribution of bottom end seven banks (namely Punjab National Bank, United Bank of India, UCO Bank, Allahabad Bank, Central Bank of India, Bank of Maharashtra and Vijaya Bank) was only 0.37 percent. Hence, significant difference in the relative of Public Sector Banks in sharing net profit was prelevant during 1991-2008. Further, the top four banks jointly contributed above 87 percent of the net profit and the bottom five to seven banks had combined contributions of less than 2.0 percent.

## CONCENTRATION INDICES OF TOTAL INCOME

**Table 2** depicts the concentration indices representing relative performance of Indian Public Sector Banks with regard to sharing total income. The overall contribution indexes declined from 0.1259 (the highest) during 1993 to 0.1080 (the lowest) in 2000, which indicates a tendency towards enjoying a similar degree of efficiency by most of the Public Sector Banks, with regard to sharing total income. However, the overall index gradually increased to 0.1112 (2001)

Table 1 : Concentration Indices Of Net Profit

BANKS	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
ALL	A	0.0020	0.0011	0.0010	0.0072	0.0046	0.0003	0.0004	0.0007	0.0017	0.0002	0.0001	0.0002	0.0008	0.0013	0.0020	0.0015	0.0014
	B	1.89	0.90	0.65	4.33	0.82	0.00	0.17	0.37	0.79	0.09	0.05	0.19	0.96	1.14	1.78	1.70	1.41
AND	A	0.0003	0.0001	0.0018	0.0014	0.0016	0.0009	0.0001	0.0002	0.0008	0.0006	0.0006	0.0011	0.0008	0.0012	0.0009	0.0008	0.0005
	B	0.27	0.07	1.15	0.84	0.28	0.00	0.05	0.13	0.35	0.28	0.42	1.11	0.96	1.05	0.84	0.88	0.49
BOB	A	0.0056	0.0126	0.0000	0.0002	0.0248	0.3040	0.0079	0.0085	0.0167	0.0097	0.0041	0.0043	0.0034	0.0019	0.0027	0.0028	0.0030
	B	5.24	10.41	0.00	0.14	4.42	1.40	3.12	4.73	7.66	4.85	2.19	4.10	4.18	1.73	2.45	3.19	3.05
BOI	A	0.0022	0.0046	0.0101	0.0627	0.0020	0.5564	0.0134	0.0054	0.0038	0.0011	0.0034	0.0038	0.0037	0.0005	0.0019	0.0033	0.0058
	B	2.07	3.75	6.36	37.89	0.36	2.56	5.26	2.99	1.75	0.57	1.84	4.97	4.54	0.45	1.76	3.82	5.97
BOM	A	0.0001	0.0000	0.0036	0.0047	0.0013	0.0012	0.0002	0.0001	0.0003	0.0003	0.0001	0.0003	0.0003	0.0001	0.0000	0.0002	0.0002
	B	0.07	0.02	2.25	2.82	0.24	0.01	0.09	0.07	0.12	0.16	0.06	0.34	0.42	0.12	0.01	0.22	0.16
CAN	A	0.0265	0.0345	0.0001	0.0008	0.0334	0.4676	0.0022	0.0017	0.0048	0.0021	0.0044	0.0080	0.0065	0.0054	0.0071	0.0053	0.0035
	B	24.70	28.44	0.04	0.46	5.93	2.15	0.88	0.93	2.19	1.07	2.35	7.13	8.00	4.80	6.46	6.12	3.62
CBI	A	0.0008	0.0013	0.0135	0.0268	0.0057	0.0400	0.0024	0.0012	0.0020	0.0009	0.0001	0.0004	0.0014	0.0006	0.0003	0.0007	0.0004
	B	0.72	1.04	8.52	16.20	1.01	0.18	0.93	0.69	0.92	0.44	0.06	0.64	1.71	0.50	0.24	0.75	0.45
COR	A	0.0001	0.0000	0.0000	0.0000	0.0043	0.0805	0.0016	0.0011	0.0035	0.0021	0.0037	0.0014	0.0009	0.0007	0.0008	0.0008	0.0008
	B	0.11	0.03	0.00	0.02	0.76	0.37	0.63	0.63	1.59	1.03	1.99	1.19	1.14	0.63	0.71	0.87	0.80
DEN	A	0.0004	0.0001	0.0007	0.0003	0.0007	0.0198	0.0005	0.0004	0.0011	0.0002	0.0038	0.0000	0.0002	0.0000	0.0000	0.0001	0.0002
	B	0.35	0.09	0.47	0.16	0.13	0.09	0.22	0.25	0.52	0.08	2.05	0.09	0.24	0.01	0.02	0.12	0.19
IB	A	0.0020	0.0018	0.0000	0.0081	0.0002	13.0380	0.0156	0.0037	0.0571	0.0070	0.0040	0.0000	0.0006	0.0007	0.0010	0.0015	0.0015
	B	1.89	1.50	0.00	4.88	0.03	59.98	6.14	2.05	26.14	3.50	2.17	0.25	0.74	0.65	0.91	1.75	1.51
IOB	A	0.0005	0.0001	0.0523	0.0065	0.0001	0.0001	0.0011	0.0005	0.0003	0.0001	0.0007	0.0008	0.0010	0.0019	0.0024	0.0027	0.0021
	B	0.43	0.09	32.94	3.94	0.01	0.00	0.45	0.29	0.13	0.03	0.39	1.19	1.18	1.65	2.19	3.08	2.14
OBC	A	0.0026	0.0010	0.0000	0.0001	0.0102	0.2186	0.0033	0.0018	0.0050	0.0030	0.0022	0.0015	0.0017	0.0023	0.0012	0.0009	0.0010
	B	2.46	0.84	0.02	0.03	1.82	1.01	1.32	0.99	2.28	1.49	1.19	1.28	2.10	2.05	1.11	1.02	1.05
PSB	A	0.0000	0.0000	0.0035	0.0016	0.0000	0.1273	0.0000	0.0002	0.0003	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0002
	B	0.00	0.00	2.21	0.99	0.01	0.59	0.02	0.09	0.16	0.07	0.00	0.01	0.00	0.02	0.04	0.15	0.22
PNB	A	0.0089	0.0176	0.0001	0.0003	0.0059	0.0673	0.0058	0.0092	0.0130	0.0064	0.0116	0.0046	0.0045	0.0087	0.0081	0.0062	0.0060
	B	8.28	14.47	0.08	0.18	1.05	0.31	2.30	5.11	5.98	3.19	6.23	3.91	5.50	7.75	7.41	7.18	6.21
SYN	A	0.0001	0.0000	0.0414	0.0047	0.0068	0.0029	0.0005	0.0003	0.0019	0.0018	0.0030	0.0009	0.0007	0.0007	0.0011	0.0013	0.0010
	B	0.11	0.02	26.08	2.86	1.21	0.01	0.18	0.15	0.88	0.89	1.60	0.78	0.84	0.63	1.03	1.55	1.06
UCO	A	0.0000	0.0006	0.0182	0.0158	0.0057	0.4103	0.0032	0.0004	0.0004	0.0001	0.0001	0.0004	0.0003	0.0005	0.0002	0.0003	0.0002
	B	0.00	0.51	11.45	9.52	1.01	1.89	1.26	0.21	0.20	0.03	0.03	0.34	0.85	0.47	0.14	0.30	0.25

UBI	A	0.0007	0.0012	0.0000	0.0001	0.0090	0.0467	0.0048	0.0025	0.0024	0.0004	0.0013	0.0014	0.0020	0.0019	0.0023	0.0018	0.0019	0.0028
	B	0.62	0.97	0.01	0.08	1.60	0.22	1.89	1.40	1.11	0.20	0.69	1.22	2.10	2.27	2.01	1.63	2.16	2.84
UTE	A	0.0002	0.0001	0.0072	0.0202	0.0311	0.4000	0.0013	0.0000	0.0000	0.0000	0.0000	0.0002	0.0006	0.0004	0.0004	0.0002	0.0002	0.0001
	B	0.15	0.06	4.52	12.20	5.53	1.84	0.53	0.00	0.01	0.02	0.01	0.18	0.64	0.44	0.35	0.15	0.22	0.15
VIJ	A	0.0000	0.0000	0.0009	0.0000	0.0008	0.4602	0.0000	0.0000	0.0001	0.0001	0.0003	0.0002	0.0003	0.0006	0.0006	0.0001	0.0003	0.0002
	B	0.00	0.00	0.56	0.00	0.15	2.12	0.01	0.01	0.04	0.05	0.15	0.21	0.27	0.75	0.57	0.06	0.33	0.19
SBJ	A	0.0002	0.0001	0.0000	0.0000	0.0001	0.0049	0.0002	0.0003	0.0008	0.0006	0.0006	0.0004	0.0003	0.0003	0.0002	0.0001	0.0002	0.0001
	B	0.15	0.12	0.01	0.00	0.01	0.02	0.06	0.18	0.37	0.28	0.32	0.33	0.28	0.41	0.17	0.08	0.28	0.15
SBH	A	0.0004	0.0002	0.0000	0.0000	0.0016	0.0183	0.0003	0.0004	0.0012	0.0006	0.0012	0.0007	0.0006	0.0005	0.0003	0.0007	0.0007	0.0004
	B	0.35	0.19	0.02	0.02	0.28	0.08	0.11	0.21	0.54	0.31	0.65	0.63	0.62	0.65	0.25	0.65	0.78	0.46
SBI	A	0.0525	0.0429	0.0041	0.0040	0.4109	5.0564	0.1877	0.1398	0.0996	0.1611	0.1381	0.0858	0.0638	0.0495	0.0810	0.0761	0.0541	0.0652
	B	48.97	35.33	2.61	2.42	73.10	23.26	73.90	77.76	45.65	80.74	74.41	73.22	66.16	60.55	72.20	69.52	62.47	66.94
SBIN	A	0.0000	0.0000	0.0000	0.0000	0.0001	0.0011	0.0000	0.0000	0.0001	0.0001	0.0002	0.0002	0.0003	0.0002	0.0001	0.0001	0.0001	0.0001
	B	0.04	0.01	0.00	0.00	0.01	0.00	0.01	0.02	0.04	0.04	0.12	0.19	0.27	0.23	0.07	0.07	0.11	0.08
SBM	A	0.0000	0.0000	0.0000	0.0000	0.0000	0.0049	0.0002	0.0001	0.0001	0.0001	0.0000	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0001
	B	0.04	0.02	0.00	0.00	0.00	0.02	0.06	0.06	0.05	0.04	0.02	0.05	0.09	0.14	0.17	0.17	0.19	0.15
SBP	A	0.0010	0.0013	0.0000	0.0000	0.0009	0.0198	0.0004	0.0008	0.0010	0.0007	0.0014	0.0008	0.0007	0.0007	0.0004	0.0004	0.0004	0.0002
	B	0.96	1.04	0.02	0.03	0.16	0.09	0.14	0.46	0.44	0.33	0.75	0.67	0.71	0.83	0.32	0.33	0.41	0.25
SBS	A	0.0001	0.0001	0.0000	0.0000	0.0002	0.3864	0.0005	0.0002	0.0001	0.0003	0.0000	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000
	B	0.07	0.04	0.00	0.00	0.03	1.78	0.20	0.14	0.03	0.14	0.01	0.08	0.06	0.14	0.01	0.01	0.02	0.00
SBT	A	0.0001	0.0000	0.0000	0.0000	0.0004	0.0049	0.0002	0.0002	0.0002	0.0002	0.0005	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003	0.0002
	B	0.07	0.03	0.00	0.00	0.06	0.02	0.06	0.09	0.08	0.08	0.27	0.18	0.20	0.27	0.24	0.24	0.32	0.22
Total	A	0.1072	0.1214	0.1586	0.1654	0.5621	21.7387	0.2540	0.1797	0.2182	0.1995	0.1856	0.1172	0.0964	0.0818	0.1122	0.1095	0.0866	0.0974
	B	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

A: Represents Concentration indices; B: Represents Percentage share in Total indices of all 28 Public sector banks combined.

Table 2 : Concentration Indices Of Total Income

Bank	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
ALL	A	0.0007	0.0006	0.0007	0.0006	0.0005	0.0006	0.0006	0.0005	0.0005	0.0005	0.0005	0.0006	0.0006	0.0007	0.0008	0.0008	0.0009
	B	0.63	0.49	0.57	0.55	0.47	0.51	0.54	0.48	0.50	0.45	0.46	0.53	0.59	0.69	0.72	0.91	1.02
AND	A	0.0003	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0003	0.0004	0.0004	0.0005	0.0004	0.0005	0.0004	0.0004	0.0004
	B	0.25	0.14	0.14	0.21	0.17	0.19	0.22	0.21	0.31	0.36	0.36	0.43	0.43	0.44	0.37	0.47	0.47
BOB	A	0.0051	0.0050	0.0053	0.0067	0.0062	0.0055	0.0047	0.0047	0.0042	0.0039	0.0035	0.0033	0.0033	0.0030	0.0029	0.0033	0.0034
	B	4.65	3.79	4.23	5.92	5.59	4.85	4.27	4.58	3.85	3.51	3.17	3.00	3.14	2.84	2.65	3.56	3.84
BOI	A	0.0062	0.0061	0.0042	0.0037	0.0038	0.0038	0.0043	0.0044	0.0037	0.0036	0.0033	0.0035	0.0030	0.0026	0.0029	0.0035	0.0038
	B	5.66	4.62	3.32	3.25	3.43	3.33	3.84	4.20	3.42	3.21	2.95	3.18	2.92	2.45	2.68	3.81	4.18
BOM	A	0.0003	0.0002	0.0002	0.0002	0.0002	0.0002	0.0003	0.0002	0.0003	0.0003	0.0004	0.0004	0.0004	0.0004	0.0003	0.0003	0.0003
	B	0.25	0.14	0.13	0.16	0.19	0.20	0.21	0.24	0.31	0.31	0.35	0.33	0.36	0.36	0.25	0.29	0.29
CAN	A	0.0037	0.0037	0.0045	0.0041	0.0041	0.0040	0.0043	0.0046	0.0039	0.0040	0.0044	0.0040	0.0044	0.0042	0.0043	0.0050	0.0048
	B	3.44	2.84	3.58	3.62	3.72	3.54	3.59	4.05	3.62	3.59	3.99	3.70	4.18	3.94	3.99	5.42	5.38
CBI	A	0.0027	0.0021	0.0021	0.0018	0.0019	0.0020	0.0021	0.0021	0.0021	0.0021	0.0020	0.0019	0.0019	0.0019	0.0015	0.0014	0.0014
	B	2.51	1.64	1.69	1.62	1.67	1.78	1.93	2.09	1.96	1.88	1.81	1.76	1.84	1.78	1.39	1.49	1.54
COR	A	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0003	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0005	0.0005
	B	0.06	0.05	0.07	0.14	0.19	0.18	0.21	0.28	0.39	0.37	0.36	0.38	0.37	0.38	0.38	0.53	0.54
DEN	A	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003	0.0004	0.0004	0.0004	0.0003	0.0003	0.0003	0.0003	0.0002	0.0002	0.0002	0.0002
	B	0.22	0.13	0.16	0.23	0.25	0.26	0.30	0.40	0.36	0.31	0.28	0.27	0.28	0.20	0.19	0.21	0.20
IB	A	0.0017	0.0016	0.0021	0.0015	0.0012	0.0010	0.0008	0.0005	0.0006	0.0005	0.0006	0.0006	0.0006	0.0006	0.0006	0.0008	0.0007
	B	1.56	1.24	1.66	1.35	1.11	0.87	0.76	0.57	0.53	0.49	0.51	0.52	0.59	0.56	0.58	0.83	0.77
IOB	A	0.0013	0.0009	0.0009	0.0011	0.0010	0.0010	0.0011	0.0010	0.0009	0.0009	0.0010	0.0010	0.0011	0.0011	0.0010	0.0012	0.0014
	B	1.16	0.69	0.68	0.96	0.92	0.91	1.01	0.99	0.86	0.80	0.90	0.89	1.03	1.07	0.97	1.28	1.54
OBC	A	0.0002	0.0002	0.0002	0.0003	0.0004	0.0004	0.0005	0.0006	0.0009	0.0009	0.0009	0.0009	0.0009	0.0008	0.0009	0.0010	0.0010
	B	0.15	0.13	0.18	0.26	0.37	0.39	0.44	0.52	0.80	0.77	0.81	0.82	0.82	0.79	0.87	1.10	1.11
PSB	A	0.0002	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001
	B	0.14	0.08	0.08	0.12	0.17	0.16	0.16	0.19	0.19	0.17	0.15	0.14	0.12	0.11	0.08	0.13	0.13
PNB	A	0.0037	0.0035	0.0042	0.0047	0.0042	0.0042	0.0045	0.0047	0.0042	0.0041	0.0042	0.0046	0.0049	0.0051	0.0050	0.0048	0.0047
	B	3.37	2.70	3.30	4.14	3.81	3.68	4.07	4.42	3.88	3.70	3.81	4.23	4.72	4.88	4.68	5.22	5.28
SYN	A	0.0013	0.0008	0.0007	0.0009	0.0009	0.0008	0.0008	0.0009	0.0009	0.0009	0.0007	0.0007	0.0008	0.0009	0.0009	0.0013	0.0014
	B	1.18	0.61	0.56	0.80	0.81	0.69	0.74	0.75	0.84	0.79	0.65	0.63	0.76	0.90	0.84	1.46	1.54
UCO	A	0.0018	0.0012	0.0010	0.0008	0.0007	0.0006	0.0005	0.0006	0.0006	0.0006	0.0007	0.0007	0.0007	0.0008	0.0010	0.0010	0.0009
	B	1.61	0.91	0.78	0.67	0.67	0.55	0.49	0.55	0.56	0.56	0.64	0.64	0.70	0.78	0.89	1.09	1.06

UBI	A	0.0009	0.0008	0.0010	0.0013	0.0016	0.0016	0.0016	0.0016	0.0015	0.0015	0.0016	0.0015	0.0016	0.0015	0.0016	0.0017	0.0016	0.0016	0.0016	0.0015	0.0016	0.0017	0.0020	0.0020
	B	0.84	0.64	0.79	1.17	1.44	1.43	1.50	1.52	1.44	1.46	1.46	1.37	1.34	1.46	1.45	1.56	1.60	1.60	1.56	1.45	1.45	1.60	2.15	2.21
UTE	A	0.0005	0.0004	0.0003	0.0003	0.0003	0.0003	0.0003	0.0005	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0003	0.0003	0.0003	0.0003	0.0004	0.0003	0.0003	0.0003	0.0003
	B	0.50	0.30	0.27	0.28	0.30	0.26	0.29	0.45	0.36	0.38	0.38	0.37	0.39	0.36	0.34	0.32	0.31	0.31	0.32	0.34	0.32	0.31	0.33	0.32
VIJ	A	0.0002	0.0002	0.0001	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0004	0.0004
	B	0.22	0.12	0.11	0.15	0.19	0.16	0.15	0.16	0.18	0.19	0.19	0.19	0.20	0.23	0.31	0.28	0.27	0.27	0.28	0.31	0.27	0.32	0.32	0.39
SBJ	A	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	B	0.14	0.12	0.12	0.15	0.15	0.15	0.18	0.21	0.19	0.20	0.20	0.19	0.18	0.18	0.22	0.23	0.19	0.19	0.23	0.22	0.19	0.27	0.25	0.25
SBH	A	0.0001	0.0002	0.0002	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0004	0.0004	0.0004	0.0004	0.0004	0.0005	0.0004	0.0004	0.0004	0.0004	0.0005	0.0004	0.0005	0.0005	0.0005
	B	0.13	0.15	0.19	0.24	0.28	0.28	0.29	0.30	0.29	0.34	0.34	0.33	0.34	0.35	0.43	0.36	0.41	0.41	0.36	0.43	0.41	0.51	0.51	0.51
SBI	A	0.0772	0.1024	0.0969	0.0833	0.0813	0.0858	0.0825	0.0763	0.0806	0.0804	0.0804	0.0841	0.0840	0.0822	0.0766	0.0784	0.0804	0.0804	0.0784	0.0766	0.0804	0.0621	0.0595	0.0595
	B	70.97	78.12	76.97	73.40	73.37	75.00	74.15	72.05	73.71	74.41	75.67	75.72	75.72	75.25	73.54	74.23	74.81	74.81	74.23	73.54	74.81	67.58	66.30	66.30
SBIN	A	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	B	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.06	0.09	0.09	0.10	0.08	0.10	0.10	0.08	0.10	0.12	0.12	0.13	0.13
SBM	A	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002
	B	0.06	0.05	0.07	0.09	0.09	0.10	0.11	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.10	0.15	0.15	0.17	0.17
SBP	A	0.0001	0.0002	0.0002	0.0002	0.0002	0.0003	0.0003	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0004	0.0004	0.0004	0.0004
	B	0.10	0.14	0.16	0.21	0.20	0.23	0.24	0.22	0.19	0.20	0.20	0.19	0.21	0.25	0.32	0.29	0.31	0.31	0.29	0.32	0.41	0.41	0.48	0.48
SBS	A	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	B	0.04	0.04	0.05	0.06	0.06	0.07	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.07	0.07	0.08	0.07	0.07	0.07	0.06	0.06
SBT	A	0.0001	0.0001	0.0002	0.0002	0.0003	0.0003	0.0003	0.0003	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	B	0.12	0.09	0.14	0.20	0.23	0.24	0.26	0.26	0.20	0.21	0.21	0.19	0.19	0.20	0.25	0.28	0.28	0.28	0.25	0.25	0.28	0.31	0.30	0.30
Total	A	0.1087	0.1311	0.1259	0.1134	0.1108	0.1144	0.1112	0.1059	0.1094	0.1080	0.1094	0.1112	0.1109	0.1092	0.1041	0.1056	0.1075	0.1075	0.1056	0.1041	0.1075	0.0919	0.0898	0.0898
	B	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

A: Represents Concentration indices; B: Represents Percentage share in Total indices of all 28 Public sector banks combined.



and there was a sudden decline during the period from 2002 to 2008. Maximum contribution to the index was made by the State Bank of India for all the years during the study period from 1991-2008. Detailed analysis of the bank indices reveals that four banks (namely State Bank of India, Bank of Baroda, Bank of India and Canara Bank) were among the top six banks contributing to total income for all the years during 1991-2008. The joint contribution of these four banks was 88.10 percent in 1993, which declined to 85.85 percent during 1997 and further to 70.14 percent in 2008. United Bank of India enjoyed the privilege of contributing the second largest to net income for the period 1995-2001 and the fourth largest during 1995 (3.3 percent).

The overall analysis revealed that only seven banks (namely Allahabad Bank, Bank of Baroda, Canara Bank, Corporation Bank, Indian Overseas Bank, Union Bank of India, and United Bank of India) witnessed a higher contribution to total income in 2008, as against their respective base years. The joint contribution of the bottom seven banks to the total income, was only 10.03 percent during 1993, which declined to 8.28 percent in the year 1997 and 7.68 percent in 2001. Hence, the share of the top banks and that of bottom banks have witnessed slight decline over the period from 2001 to 2008. Thus, dissimilarities in the relative performance of the Nationalized Banks and SBI groups have reduced marginally, over the period under study, leading to a tendency of increasing uniform sharing of total income in the Indian Public Sector Banking Industry.

## CONCENTRATION INDICES OF TOTAL EXPENDITURE

The concentration indices representing the relative performance on Public Sector Banks, with regard to sharing of total expenditure incurred are shown in the **Table 3**. The over all concentration indexes declined from 0.1092 (the highest) during 1991 to 0.1049 (the lowest) in 2000, and marginally increased to 0.1130 during 2003 and suddenly declined to 0.868 during 2008. State Bank of India witnessed similar trends as revealed by the concentration indices of the total expenditure. State Bank of India contributed maximum (above 70 %) to the overall index for all years over the period 1991-2006. The second largest contribution to total expenditure was made by Bank of India during 1991 (5.72 percent), Punjab National Bank (4.51) during 1995, 1998 (4.27 percent bracketed with Canara Bank) during the year 2000 (3.69 percent) and 2001 (3.74 percent) and Canara Bank during 2005 (5.38 percent).

An interesting observation is that a group of four banks, namely State Bank of India, Bank of India, Canara Bank, and Indian Bank were in the top list for 1993 and 1994, together contributing 82.26 percent and 80.45 percent of the total expenditure, respectively. For the remaining period (1994 -2008), Indian Bank was replaced by Punjab National Bank in the group of top four banks, which contributed 83.5 percent in 1997 and 79.95 percent in 2008. On the other hand, the bottom five banks of Nationalized Banks jointly contributed 3.83 percent in 1993, 4.11 percent in 1997 and 6.05 percent during 2008 towards the total expenditure of banks. For 1993, the five banks contributing to total expenditure were Indian Overseas Bank, Dena Bank, Andhra Bank, Bank of Baroda, and Punjab and Sind Bank and Vijaya Bank featured in the group of five banks contributing least to the total expenditure, displacing Dena Bank and Indian Overseas Bank, in 1997 and replacing Bank of Baroda and Indian Overseas Bank in 2001.

Over all analysis of the concentration indices reveals that most of the banks (9 in numbers) witnessed a lesser contribution to the total expenditure in 2008, as against their respective base years. This is an indication of tendency of uniform sharing of the total expenditure among these banks over the period under study. The exceptions of Nationalized Banks are Allahabad Bank (from 0.61 Percent in 1991 to 1.05 percent in 2008); Andhra Bank (from 0.25 percent to 0.48 percent), Bank of Maharashtra (from 0.25 percent to 0.33 percent), Canara Bank (from 3.20 percent to 5.95 Percent), Corporation Bank (from 0.06 percent to 0.52 percent), Indian Overseas Bank (from 1.17 percent to 1.51 percent), Oriental Bank of Commerce (from 0.13 to 1.28), Punjab National Bank (from 3.28 to 4.94), Syndicate Bank (from 1.20 to 1.77), Union Bank of India (from 0.84 percent to 2.08 percent), Vijaya Bank (from 0.23 percent in 1993 to 0.46 percent during 2008), and SBI groups are State Bank of Hyderabad ( from 0.13 to 0.55), State Bank of Indore (from 0.03 to 0.14), State Bank of Mysore (from 0.06 to 0.18), State Bank of Patiala (from 0.09 to 0.56), State Bank of Saurashtra (from 0.04 to 0.08) and State Bank of Travancore (from 0.12 to 0.33).

## CONCENTRATION INDICES OF SPREAD

The relative performance of Public Sector Banks with regard to sharing spread can be judged from the **Table 4**. The over all concentration index of spread, which was 0.1728 (the highest) in 1993, gradually declined to 0.1215 during 1997 and further down to 0.0936 (the lowest) in 2007. Lower value of Spread index during the latter half of the period

**Table 3 : Concentration Indices Of Total Expenditure**

Banks	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
ALL	A	0.0007	0.0008	0.0009	0.0008	0.0006	0.0006	0.0006	0.0005	0.0005	0.0005	0.0006	0.0007	0.0007	0.0008	0.0008	0.0009	0.0009
	B	0.61	0.67	0.77	0.74	0.58	0.58	0.59	0.50	0.52	0.47	0.49	0.60	0.61	0.75	0.74	0.95	1.05
AND	A	0.0003	0.0002	0.0002	0.0003	0.0002	0.0002	0.0002	0.0002	0.0003	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004
	B	0.25	0.20	0.21	0.25	0.28	0.23	0.23	0.22	0.30	0.37	0.36	0.38	0.37	0.38	0.40	0.44	0.48
BOB	A	0.0050	0.0049	0.0048	0.0048	0.0048	0.0046	0.0046	0.0043	0.0038	0.0037	0.0035	0.0033	0.0030	0.0028	0.0029	0.0032	0.0034
	B	4.62	4.20	4.36	4.56	4.61	4.36	4.62	4.03	3.64	3.29	3.10	2.89	2.71	2.66	2.80	3.48	3.86
BOI	A	0.0062	0.0066	0.0046	0.0038	0.0039	0.0038	0.0043	0.0044	0.0039	0.0036	0.0031	0.0031	0.0030	0.0031	0.0032	0.0035	0.0033
	B	5.72	5.73	4.12	3.56	3.69	3.61	4.41	4.04	3.69	3.27	2.74	2.79	2.68	2.95	3.03	3.82	3.82
BOM	A	0.0003	0.0002	0.0002	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0004	0.0004	0.0004	0.0004	0.0005	0.0003	0.0003	0.0003
	B	0.25	0.20	0.22	0.24	0.24	0.25	0.28	0.25	0.32	0.32	0.35	0.34	0.37	0.44	0.33	0.31	0.33
CAN	A	0.0035	0.0030	0.0035	0.0038	0.0035	0.0035	0.0043	0.0041	0.0037	0.0036	0.0041	0.0039	0.0040	0.0040	0.0042	0.0050	0.0052
	B	3.20	2.61	3.19	3.61	3.30	3.34	4.27	3.86	3.57	3.26	3.68	3.46	3.63	3.84	3.99	5.38	5.95
CBI	A	0.0028	0.0026	0.0027	0.0026	0.0023	0.0023	0.0024	0.0024	0.0023	0.0023	0.0023	0.0023	0.0021	0.0019	0.0017	0.0015	0.0016
	B	2.55	2.25	2.44	2.48	2.20	2.19	2.41	2.25	2.23	2.03	2.02	2.01	1.90	1.84	1.59	1.62	1.86
COR	A	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0004	0.0004
	B	0.06	0.06	0.07	0.11	0.13	0.14	0.23	0.32	0.33	0.27	0.28	0.29	0.31	0.29	0.33	0.45	0.52
DEN	A	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003	0.0004	0.0004	0.0004	0.0004	0.0003	0.0003	0.0003	0.0003	0.0002	0.0002	0.0002
	B	0.22	0.19	0.21	0.27	0.28	0.27	0.38	0.42	0.39	0.38	0.29	0.27	0.25	0.25	0.18	0.19	0.20
IB	A	0.0017	0.0020	0.0022	0.0018	0.0015	0.0017	0.0013	0.0008	0.0008	0.0007	0.0007	0.0006	0.0007	0.0006	0.0006	0.0007	0.0006
	B	1.54	1.71	1.97	1.68	1.39	1.65	1.30	0.80	0.73	0.62	0.60	0.55	0.64	0.55	0.62	0.73	0.68
IOB	A	0.0013	0.0012	0.0011	0.0012	0.0012	0.0014	0.0013	0.0012	0.0011	0.0010	0.0010	0.0011	0.0010	0.0010	0.0010	0.0011	0.0013
	B	1.17	1.03	1.01	1.18	1.13	1.31	1.25	1.18	1.05	0.87	0.93	0.94	0.94	0.95	0.93	1.19	1.51
OBC	A	0.0001	0.0002	0.0002	0.0003	0.0003	0.0003	0.0005	0.0006	0.0008	0.0008	0.0007	0.0007	0.0006	0.0008	0.0009	0.0010	0.0011
	B	0.13	0.13	0.20	0.24	0.31	0.32	0.48	0.56	0.74	0.69	0.66	0.65	0.58	0.73	0.87	1.10	1.28
PSB	A	0.0002	0.0001	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001	0.0001
	B	0.14	0.13	0.15	0.17	0.20	0.23	0.22	0.21	0.22	0.19	0.17	0.16	0.18	0.14	0.09	0.12	0.13
PNB	A	0.0036	0.0038	0.0039	0.0046	0.0047	0.0045	0.0044	0.0037	0.0042	0.0040	0.0041	0.0042	0.0044	0.0056	0.0047	0.0044	0.0043
	B	3.28	3.26	3.55	4.33	4.51	4.31	4.43	3.53	4.03	3.63	3.69	3.74	3.99	5.38	4.51	4.79	4.94
SYN	A	0.0013	0.0010	0.0010	0.0011	0.0012	0.0009	0.0010	0.0010	0.0010	0.0010	0.0009	0.0008	0.0008	0.0010	0.0010	0.0014	0.0015
	B	1.20	0.90	0.93	1.06	1.10	0.89	0.96	0.96	0.96	0.86	0.77	0.69	0.74	1.00	0.93	1.53	1.77
UCO	A	0.0018	0.0016	0.0014	0.0013	0.0009	0.0009	0.0008	0.0007	0.0007	0.0007	0.0008	0.0008	0.0008	0.0010	0.0012	0.0012	0.0011
	B	1.67	1.38	1.28	1.19	0.87	0.85	0.80	0.69	0.66	0.62	0.69	0.70	0.72	0.94	1.12	1.27	1.32



UBI	A	0.0009	0.0009	0.0010	0.0013	0.0015	0.0016	0.0017	0.0017	0.0017	0.0017	0.0016	0.0015	0.0015	0.0016	0.0016	0.0016	0.0018	0.0019	0.0018
	B	0.84	0.74	0.95	1.20	1.39	1.55	1.65	1.69	1.62	1.63	1.39	1.33	1.30	1.39	1.40	1.56	1.71	2.02	2.08
UTE	A	0.0006	0.0005	0.0006	0.0005	0.0005	0.0004	0.0005	0.0005	0.0005	0.0005	0.0005	0.0004	0.0005	0.0005	0.0004	0.0003	0.0003	0.0003	0.0004
	B	0.51	0.46	0.52	0.52	0.51	0.42	0.48	0.52	0.47	0.48	0.43	0.36	0.47	0.36	0.36	0.33	0.33	0.33	0.42
VIJ	A	0.0003	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0003	0.0002	0.0003	0.0003	0.0003	0.0003	0.0003	0.0004
	B	0.23	0.18	0.15	0.16	0.20	0.24	0.21	0.21	0.20	0.22	0.20	0.23	0.21	0.24	0.24	0.24	0.28	0.32	0.46
SBJ	A	0.0002	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	B	0.14	0.11	0.13	0.16	0.16	0.16	0.18	0.20	0.19	0.19	0.17	0.16	0.16	0.16	0.18	0.20	0.21	0.26	0.27
SBH	A	0.0001	0.0001	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0004	0.0004	0.0005	0.0004	0.0005
	B	0.13	0.13	0.17	0.21	0.23	0.25	0.27	0.26	0.27	0.28	0.26	0.28	0.28	0.28	0.34	0.37	0.44	0.47	0.55
SBI	A	0.0777	0.0849	0.0809	0.0754	0.0757	0.0757	0.0735	0.0700	0.0769	0.0768	0.0844	0.0855	0.0866	0.0845	0.0770	0.0767	0.0632	0.0566	
	B	71.16	73.41	72.98	71.55	71.95	72.16	71.35	69.81	72.86	73.22	75.85	76.21	76.62	76.22	73.46	73.70	68.16	65.24	
SBIN	A	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	B	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.05	0.04	0.05	0.05	0.07	0.07	0.07	0.08	0.10	0.13	0.14	
SBM	A	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002
	B	0.06	0.06	0.07	0.09	0.09	0.10	0.11	0.10	0.10	0.10	0.10	0.09	0.09	0.09	0.11	0.11	0.15	0.18	
SBP	A	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0003	0.0003	0.0004	0.0005
	B	0.09	0.09	0.13	0.18	0.19	0.21	0.23	0.21	0.16	0.15	0.14	0.14	0.14	0.17	0.22	0.24	0.31	0.41	0.56
SBS	A	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	B	0.04	0.05	0.05	0.05	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.07	0.07	0.08	0.08	
SBT	A	0.0001	0.0001	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003
	B	0.12	0.11	0.14	0.19	0.23	0.25	0.28	0.26	0.21	0.22	0.18	0.18	0.18	0.19	0.21	0.23	0.28	0.30	0.33
Total	A	0.1092	0.1157	0.1109	0.1054	0.1052	0.1049	0.1030	0.1002	0.1056	0.1049	0.1112	0.1121	0.1130	0.1109	0.1109	0.1049	0.1041	0.0927	0.0868
	B	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

A: Represents Concentration indices; B: Represents Percentage share in Total indices of all 28 Public sector banks combined.

Table 4 : Concentration Indices Of Spread

Bank	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
ALL	A	0.0005	0.0003	0.0002	0.0004	0.0003	0.0004	0.0005	0.0005	0.0005	0.0005	0.0005	0.0006	0.0006	0.0007	0.0008	0.0007	0.0008
	B	0.47	0.18	0.11	0.33	0.24	0.37	0.43	0.46	0.50	0.50	0.49	0.59	0.65	0.69	0.74	0.80	0.76
AND	A	0.0004	0.0001	0.0001	0.0001	0.0002	0.0002	0.0003	0.0002	0.0003	0.0003	0.0003	0.0004	0.0004	0.0004	0.0004	0.0005	0.0005
	B	0.34	0.08	0.04	0.08	0.13	0.15	0.16	0.24	0.27	0.27	0.30	0.40	0.45	0.43	0.41	0.52	0.48
BOB	A	0.0016	0.0042	0.0072	0.0083	0.0076	0.0067	0.0047	0.0050	0.0051	0.0044	0.0035	0.0032	0.0035	0.0034	0.0031	0.0035	0.0037
	B	1.52	2.73	4.16	6.06	6.08	5.50	3.90	4.49	4.57	4.05	3.21	3.14	3.63	3.31	3.01	3.74	3.66
BOI	A	0.0027	0.0029	0.0029	0.0035	0.0037	0.0037	0.0042	0.0046	0.0029	0.0032	0.0034	0.0030	0.0025	0.0019	0.0021	0.0029	0.0043
	B	2.50	1.91	1.66	2.53	2.95	3.04	3.46	4.17	2.61	2.96	3.08	2.95	2.66	1.86	2.07	3.09	4.28
BOM	A	0.0004	0.0002	0.0001	0.0001	0.0002	0.0003	0.0003	0.0004	0.0004	0.0004	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0004
	B	0.37	0.11	0.04	0.09	0.16	0.26	0.28	0.35	0.34	0.34	0.31	0.33	0.33	0.29	0.28	0.31	0.36
CAN	A	0.0061	0.0057	0.0080	0.0044	0.0055	0.0047	0.0042	0.0032	0.0036	0.0041	0.0033	0.0036	0.0038	0.0038	0.0040	0.0040	0.0030
	B	5.72	3.71	4.65	3.20	4.36	3.85	3.44	2.92	3.22	3.83	3.01	3.55	3.95	3.70	3.83	4.23	3.00
CBI	A	0.0036	0.0017	0.0013	0.0009	0.0016	0.0022	0.0023	0.0025	0.0026	0.0024	0.0024	0.0026	0.0024	0.0021	0.0017	0.0015	0.0012
	B	3.34	1.14	0.78	0.64	1.24	1.79	1.86	2.28	2.34	2.27	2.14	2.56	2.47	2.10	1.69	1.60	1.18
COR	A	0.0001	0.0001	0.0001	0.0002	0.0003	0.0003	0.0003	0.0004	0.0004	0.0004	0.0004	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
	B	0.11	0.06	0.08	0.15	0.23	0.23	0.27	0.38	0.33	0.37	0.36	0.45	0.51	0.48	0.45	0.50	0.50
DEN	A	0.0004	0.0002	0.0002	0.0003	0.0003	0.0004	0.0005	0.0005	0.0003	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	B	0.39	0.12	0.12	0.22	0.27	0.30	0.37	0.46	0.27	0.22	0.18	0.23	0.19	0.18	0.16	0.19	0.19
IB	A	0.0012	0.0005	0.0011	0.0007	0.0004	0.0000	0.0000	0.0000	0.0002	0.0003	0.0003	0.0005	0.0007	0.0006	0.0007	0.0009	0.0010
	B	1.12	0.34	0.64	0.55	0.35	0.03	0.04	0.03	0.22	0.26	0.26	0.48	0.68	0.63	0.68	0.91	0.95
IOB	A	0.0006	0.0003	0.0001	0.0002	0.0005	0.0006	0.0006	0.0007	0.0008	0.0009	0.0009	0.0011	0.0013	0.0013	0.0013	0.0016	0.0017
	B	0.54	0.18	0.04	0.18	0.40	0.49	0.49	0.62	0.72	0.84	0.85	1.06	1.40	1.28	1.27	1.71	1.72
OBC	A	0.0003	0.0003	0.0003	0.0005	0.0006	0.0007	0.0007	0.0007	0.0009	0.0007	0.0009	0.0010	0.0011	0.0009	0.0008	0.0007	0.0007
	B	0.32	0.21	0.17	0.36	0.48	0.54	0.54	0.63	0.79	0.68	0.86	1.03	1.16	0.87	0.77	0.75	0.68
PSB	A	0.0002	0.0001	0.0000	0.0001	0.0001	0.0001	0.0001	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002
	B	0.16	0.06	0.01	0.07	0.10	0.08	0.10	0.14	0.12	0.12	0.09	0.11	0.13	0.12	0.12	0.15	0.16
PNB	A	0.0050	0.0047	0.0059	0.0058	0.0040	0.0047	0.0048	0.0047	0.0045	0.0048	0.0053	0.0070	0.0069	0.0061	0.0067	0.0074	0.0074
	B	4.67	3.05	3.42	4.26	3.20	3.91	3.93	4.22	4.07	4.49	4.79	6.94	7.21	5.98	6.50	7.93	7.33
SYN	A	0.0022	0.0007	0.0004	0.0011	0.0009	0.0010	0.0010	0.0009	0.0012	0.0014	0.0012	0.0011	0.0011	0.0011	0.0011	0.0011	0.0010
	B	2.08	0.46	0.24	0.79	0.75	0.83	0.82	0.78	1.06	1.29	1.11	1.04	1.12	1.07	1.05	1.21	1.03
UCO	A	0.0008	0.0006	0.0001	0.0002	0.0005	0.0005	0.0003	0.0004	0.0005	0.0005	0.0005	0.0006	0.0007	0.0008	0.0008	0.0007	0.0005
	B	0.71	0.37	0.04	0.11	0.41	0.38	0.27	0.33	0.48	0.47	0.48	0.55	0.78	0.74	0.73	0.75	0.53

UBI	A	0.0014	0.0012	0.0011	0.0018	0.0020	0.0020	0.0019	0.0015	0.0016	0.0017	0.0018	0.0016	0.0016	0.0016	0.0017	0.0019	0.0023
	B	1.28	0.79	0.64	1.31	1.55	1.63	1.55	1.69	1.43	1.61	1.62	1.60	1.65	1.59	1.68	2.03	2.28
UTE	A	0.0008	0.0002	0.0000	0.0000	0.0001	0.0001	0.0001	0.0003	0.0003	0.0003	0.0004	0.0004	0.0003	0.0003	0.0003	0.0003	0.0002
	B	0.74	0.16	0.02	0.02	0.05	0.10	0.11	0.40	0.26	0.29	0.33	0.37	0.33	0.31	0.31	0.36	0.20
VIJ	A	0.0003	0.0001	0.0001	0.0002	0.0002	0.0001	0.0002	0.0002	0.0003	0.0002	0.0002	0.0003	0.0004	0.0004	0.0003	0.0003	0.0002
	B	0.25	0.07	0.06	0.15	0.15	0.11	0.15	0.17	0.20	0.23	0.21	0.29	0.39	0.36	0.28	0.30	0.20
SBJ	A	0.0002	0.0003	0.0002	0.0002	0.0001	0.0002	0.0002	0.0003	0.0002	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003	0.0003	0.0002
	B	0.20	0.17	0.12	0.12	0.11	0.18	0.20	0.25	0.21	0.22	0.22	0.22	0.28	0.28	0.29	0.30	0.21
SBH	A	0.0002	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0005	0.0005	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0003
	B	0.20	0.24	0.24	0.30	0.28	0.31	0.32	0.37	0.42	0.40	0.38	0.40	0.39	0.34	0.36	0.48	0.30
SBI	A	0.0776	0.1274	0.1422	0.1061	0.0953	0.0914	0.0930	0.0818	0.0787	0.0827	0.0827	0.0714	0.0654	0.0736	0.0748	0.0629	0.0696
	B	72.44	83.27	82.30	77.81	75.93	75.22	76.58	73.82	71.66	74.77	74.92	70.81	68.67	72.44	72.49	67.22	69.34
SBIN	A	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	B	0.06	0.04	0.03	0.05	0.05	0.06	0.06	0.06	0.07	0.06	0.08	0.10	0.11	0.09	0.09	0.09	0.08
SBM	A	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	B	0.12	0.06	0.07	0.09	0.08	0.11	0.14	0.14	0.12	0.12	0.09	0.11	0.11	0.11	0.11	0.13	0.14
SBP	A	0.0001	0.0005	0.0005	0.0005	0.0003	0.0003	0.0003	0.0004	0.0003	0.0004	0.0004	0.0004	0.0004	0.0004	0.0003	0.0003	0.0002
	B	0.08	0.35	0.29	0.34	0.27	0.28	0.28	0.32	0.29	0.35	0.39	0.44	0.37	0.35	0.30	0.32	0.19
SBS	A	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000
	B	0.07	0.05	0.05	0.06	0.08	0.08	0.08	0.09	0.10	0.09	0.07	0.07	0.09	0.10	0.07	0.06	0.04
SBT	A	0.0002	0.0001	0.0000	0.0002	0.0001	0.0002	0.0002	0.0002	0.0001	0.0002	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003	0.0002
	B	0.16	0.09	0.00	0.13	0.12	0.16	0.16	0.18	0.11	0.12	0.16	0.19	0.26	0.30	0.27	0.34	0.22
Total	A	0.1071	0.1530	0.1728	0.1364	0.1256	0.1215	0.1215	0.1108	0.1098	0.1106	0.1104	0.1009	0.0953	0.1016	0.1032	0.0936	0.1004
	B	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

A: Represents Concentration indices; B: Represents Percentage share in Total indices of all 28 Public sector banks combined.

1994-2001 indicates almost similar degree of efficiency of most of the banks for the same period. The largest contribution (above 72 percent) to the index was made by the State Bank of India for all year in the period from 1991 to 2006. However, the bank's contribution to total spread declined from 99.97 percent in 1993 to 98.21 percent in 2001. In 1993, the joint contribution of the leading four banks (namely State Bank of India, Canara Bank, Bank of Baroda, and Bank of India, respectively) was 92.77 percent, while the bottom five banks could combinedly contribute just 0.44 percent. The collective contribution of top four banks declined to 87.38 percent in 1997 and 80.28 percent in 2008. An interesting observation is that for the period 1994-97, and 1999, Punjab National Bank achieved a position in the top four banks, displacing Bank of India (the fifth largest, for the same period). On the other hand, the Joint contribution of the lower and five banks increased to 0.72 percent in 1997 from 0.44 percent during 1993) and further to 0.67 percent in 2008. Some of these banks are Andhra Bank, Bank of Maharashtra, Dena Bank, Indian Bank, Punjab & Sind Bank, UCO Bank, and Vijaya Bank. Further analysis reveals that most of the nationalized banks (9 in number) and 6 SBI & Associates witnessed higher contribution to total spread in 2008, as against their respective base years. The exceptions are four banks, namely State Bank of India, Canara Bank, Indian Bank and Punjab National Bank. Thus, increased contribution of the bank's towards total spread and decrease in over all index during 1991-2008 signify better sharing of spread among the Nationalized Banks and SBI group over the period under study.

## CONCENTRATION INDICES OF BURDEN

The relative performance of Public Sector Banks with regard to sharing burden can be evaluated from the concentration indices shown in the **Table 5**. The overall concentration index of burden witnessed exactly the same trends as revealed by concentration indices of spread. The index declined over the years i.e., from 0.1956 (highest) in 1992 to 0.1117 (lowest) in 2008. This implies that dissimilarities among the nationalized banks and SBI groups with regard to sharing burden have reduced. State Bank of India had the maximum share in the total burden for all the years during 1991-2008. The second largest contribution was witnessed by Canara Bank during 1993 (2.78 percent), Bank of India in 2005 (7.60 percent); Bank of Baroda in 1994 (10.04 percent) and Indian Bank in 2008 (1.40 percent) and Punjab National Bank during 2000-2005.

Four Banks (namely State Bank of India, Bank of Baroda, Bank of India and Canara Bank) contributed more than 70 percent to the overall burden index during the period from 1991 to 2008 i.e. they collectively contributed (83.27 percent) in 1993 (94.16 percent) in 1997 and (86.69 percent) in 2008. An interesting point is that all these four banks were among the top five banks in terms of their contribution to overall spread index during the period 1991-2008. In 1993, contribution of the seven banks (namely Andhra Bank, Allahabad Bank, Corporation Bank, Dena Bank, Indian Bank, Indian Overseas Bank, and Union Bank of India) was 3.56 percent, which decreased to 2.03 percent (same seven banks) in 1997 and increased to 4.79 percent in 2008. The collective contribution of the four top banks to the overall concentration index of burden was 92.07 percent in 1991, 94.16 percent in 1997 and 86.69 percent in 2008. Further analysis reveals that thirteen nationalized banks and SBI groups (5 in number) evidenced a higher burden index in 2008, as against their respective base years.

## CONCLUSION

From the five absolute concentration indices, it becomes evident that the State Bank of India had the maximum relative shares. The other leading banks were Bank of India, Canara Bank, Punjab National Bank, and Syndicate Bank; and the Nationalized Banks with minimum relative shares were Indian Bank, Dena Bank, Indian Overseas Bank, Andhra Bank, Allahabad Bank, and Vijaya Bank, as well as SBI groups such as State Bank of Bikaner, State Bank of Mysore, State Bank of Patiala and State Bank of Saurashtra. All these banks contributed less than 2 percent for each year during 1992-2001 with regard to the concentration indices of all the five absolute parameters namely - net profit, total income, total expenditure, spread and burden. Further, the overall concentration indexes for most of the five parameters, and during 1998, the overall index of two parameters (namely net profit and total expenditure) was at the lowest.

The implications are that the majority of the banks enjoyed similar degree of efficiency as measured by burden, more specifically during 1998 (second generation reforms) and similarly few nationalized banks dominated in 1998 and SBI groups dominated in 2002, when measured on the parameter of net profit.

**Table 5 : Concentration Indices Of Burden**

Bank	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
ALL	A	0.0014	0.0008	0.0003	0.0004	0.0004	0.0006	0.0004	0.0004	0.0004	0.0003	0.0005	0.0002	0.0004	0.0009	0.0006	0.0003	0.0009
	B	0.88	0.42	0.43	0.20	0.28	0.22	0.37	0.44	0.30	0.33	0.49	0.20	0.40	1.81	0.32	0.29	0.81
AND	A	0.0002	0.0001	0.0001	0.0002	0.0002	0.0001	0.0002	0.0002	0.0005	0.0003	0.0003	0.0008	0.0006	0.0022	0.0003	0.0005	0.0004
	B	0.10	0.06	0.05	0.06	0.10	0.05	0.09	0.10	0.36	0.24	0.35	0.82	0.57	4.37	0.18	0.43	0.32
BOB	A	0.0132	0.0054	0.0028	0.0148	0.0096	0.0043	0.0041	0.0036	0.0030	0.0032	0.0036	0.0036	0.0040	0.0063	0.0023	0.0038	0.0048
	B	8.30	2.77	1.52	10.04	6.08	2.15	2.41	2.48	2.66	2.66	3.83	3.48	3.85	12.37	1.30	3.25	4.34
BOI	A	0.0070	0.0074	0.0034	0.0034	0.0043	0.0036	0.0040	0.0039	0.0050	0.0055	0.0045	0.0063	0.0041	0.0039	0.0026	0.0053	0.0046
	B	4.38	3.81	1.81	2.31	2.71	1.78	2.36	2.68	3.99	4.52	4.81	6.09	3.94	7.60	1.49	4.53	4.08
BOM	A	0.0001	0.0001	0.0001	0.0001	0.0002	0.0001	0.0001	0.0002	0.0003	0.0004	0.0004	0.0003	0.0003	0.0006	0.0000	0.0002	0.0001
	B	0.03	0.03	0.03	0.05	0.12	0.07	0.08	0.08	0.24	0.32	0.41	0.29	0.28	1.10	0.00	0.14	0.05
CAN	A	0.0005	0.0051	0.0052	0.0050	0.0055	0.0044	0.0041	0.0053	0.0060	0.0064	0.0085	0.0051	0.0058	0.0089	0.0044	0.0062	0.0061
	B	0.31	2.62	2.78	3.38	3.49	2.20	2.37	3.57	4.79	5.25	9.00	4.92	5.58	17.28	2.52	5.30	5.45
CBI	A	0.0007	0.0011	0.0005	0.0003	0.0007	0.0011	0.0014	0.0012	0.0013	0.0012	0.0011	0.0005	0.0011	0.0030	0.0005	0.0004	0.0007
	B	0.43	0.58	0.29	0.21	0.44	0.54	0.80	0.80	1.00	1.01	1.20	0.50	1.07	5.83	0.31	0.34	0.58
COR	A	0.0000	0.0001	0.0001	0.0003	0.0005	0.0002	0.0003	0.0002	0.0006	0.0006	0.0005	0.0006	0.0003	0.0009	0.0004	0.0007	0.0005
	B	0.02	0.04	0.05	0.21	0.30	0.12	0.15	0.15	0.49	0.52	0.57	0.62	0.27	1.82	0.22	0.59	0.40
DEN	A	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0003	0.0004	0.0002	0.0005	0.0005	0.0005	0.0003	0.0006	0.0005	0.0002
	B	0.09	0.06	0.07	0.12	0.14	0.10	0.14	0.33	0.20	0.20	0.53	0.45	0.52	0.66	0.33	0.44	0.18
IB	A	0.0004	0.0011	0.0010	0.0006	0.0010	0.0005	0.0009	0.0005	0.0006	0.0008	0.0011	0.0007	0.0008	0.0011	0.0005	0.0018	0.0016
	B	0.24	0.55	0.51	0.43	0.62	0.26	0.54	0.34	0.50	0.64	1.12	0.65	0.75	2.11	0.31	1.52	1.40
IOB	A	0.0026	0.0011	0.0021	0.0030	0.0008	0.0003	0.0007	0.0005	0.0005	0.0006	0.0010	0.0006	0.0007	0.0024	0.0007	0.0003	0.0007
	B	1.66	0.58	1.11	2.06	0.49	0.14	0.41	0.34	0.39	0.46	1.10	0.55	0.65	4.60	0.40	0.24	0.64
OBC	A	0.0000	0.0000	0.0001	0.0001	0.0002	0.0002	0.0002	0.0003	0.0003	0.0004	0.0008	0.0007	0.0007	0.0008	0.0006	0.0010	0.0004
	B	0.01	0.01	0.03	0.05	0.13	0.08	0.10	0.15	0.24	0.35	0.82	0.64	0.64	1.53	0.37	0.83	0.33
PSB	A	0.0001	0.0000	0.0000	0.0001	0.0002	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0002	0.0001	0.0002	0.0000	0.0002	0.0001
	B	0.05	0.02	0.02	0.06	0.10	0.05	0.08	0.11	0.08	0.15	0.20	0.21	0.08	0.48	0.02	0.14	0.09
PNB	A	0.0005	0.0003	0.0014	0.0035	0.0021	0.0015	0.0024	0.0061	0.0043	0.0042	0.0033	0.0034	0.0044	0.0096	0.0038	0.0026	0.0047
	B	0.34	0.14	0.77	2.36	1.30	0.74	1.42	4.17	2.43	3.46	3.55	3.32	4.26	18.65	2.20	2.17	4.21
SYN	A	0.0007	0.0007	0.0004	0.0002	0.0005	0.0003	0.0004	0.0005	0.0006	0.0004	0.0002	0.0005	0.0008	0.0012	0.0007	0.0010	0.0009
	B	0.43	0.34	0.22	0.16	0.33	0.14	0.21	0.35	0.49	0.34	0.21	0.49	0.73	2.31	0.39	0.85	0.79
UCO	A	0.0034	0.0006	0.0013	0.0001	0.0006	0.0004	0.0002	0.0005	0.0005	0.0006	0.0014	0.0009	0.0005	0.0010	0.0003	0.0005	0.0007
	B	2.12	0.32	0.72	0.08	0.41	0.19	0.13	0.33	0.26	0.53	1.48	0.86	0.47	1.98	0.16	0.40	0.64

UBI	A	0.0009	0.0005	0.0007	0.0007	0.0009	0.0005	0.0006	0.0004	0.0006	0.0005	0.0005	0.0008	0.0015	0.0008	0.0020	0.0004	0.0010	0.0012
	B	0.57	0.28	0.37	0.45	0.57	0.25	0.33	0.27	0.42	0.40	0.40	0.84	1.40	0.76	3.81	0.23	0.88	1.04
UTE	A	0.0000	0.0001	0.0000	0.0001	0.0003	0.0002	0.0001	0.0003	0.0001	0.0001	0.0002	0.0006	0.0004	0.0003	0.0007	0.0005	0.0003	0.0003
	B	0.03	0.06	0.02	0.06	0.19	0.09	0.08	0.19	0.10	0.11	0.14	0.67	0.43	0.30	1.36	0.30	0.23	0.23
VIJ	A	0.0001	0.0001	0.0002	0.0002	0.0004	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0003	0.0003	0.0004	0.0001	0.0001	0.0002
	B	0.03	0.03	0.12	0.12	0.25	0.03	0.03	0.04	0.08	0.05	0.11	0.12	0.26	0.33	0.69	0.08	0.12	0.15
SBJ	A	0.0003	0.0002	0.0003	0.0003	0.0005	0.0002	0.0003	0.0004	0.0003	0.0004	0.0004	0.0004	0.0003	0.0003	0.0009	0.0001	0.0003	0.0002
	B	0.19	0.11	0.15	0.19	0.31	0.12	0.20	0.26	0.23	0.33	0.35	0.37	0.25	0.30	1.67	0.05	0.27	0.21
SBH	A	0.0003	0.0003	0.0004	0.0004	0.0007	0.0005	0.0004	0.0004	0.0004	0.0005	0.0006	0.0005	0.0005	0.0007	0.0004	0.0005	0.0005	0.0005
	B	0.19	0.16	0.22	0.30	0.44	0.24	0.24	0.30	0.30	0.41	0.46	0.53	0.48	0.65	0.87	0.29	0.45	0.48
SBI	A	0.1255	0.1699	0.1650	0.1131	0.1269	0.1801	0.1489	0.1208	0.1223	0.0985	0.0933	0.0628	0.0749	0.0750	0.0019	0.1533	0.0893	0.0813
	B	79.08	86.87	88.40	76.54	80.67	90.03	87.02	82.05	83.43	78.48	76.86	66.67	72.14	72.38	3.72	88.02	75.98	72.82
SBIN	A	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	0.0001	0.0001	0.0001	0.0002	0.0003	0.0002	0.0002	0.0001	0.0001	0.0001	0.0001
	B	0.02	0.02	0.02	0.03	0.05	0.01	0.02	0.04	0.06	0.11	0.16	0.33	0.21	0.16	0.16	0.06	0.07	0.07
SBM	A	0.0000	0.0001	0.0001	0.0002	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0002	0.0001	0.0005	0.0002	0.0002	0.0001
	B	0.02	0.03	0.05	0.12	0.07	0.07	0.08	0.08	0.11	0.18	0.18	0.22	0.19	0.13	0.95	0.13	0.17	0.13
SBP	A	0.0006	0.0001	0.0001	0.0001	0.0000	0.0002	0.0002	0.0001	0.0002	0.0002	0.0002	0.0003	0.0003	0.0005	0.0005	0.0002	0.0003	0.0004
	B	0.36	0.04	0.03	0.05	0.02	0.11	0.09	0.07	0.14	0.17	0.15	0.27	0.27	0.51	0.88	0.14	0.25	0.35
SBS	A	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000
	B	0.05	0.03	0.07	0.07	0.06	0.08	0.09	0.09	0.08	0.09	0.04	0.09	0.08	0.11	0.14	0.03	0.04	0.02
SBT	A	0.0001	0.0001	0.0002	0.0004	0.0006	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0002	0.0002	0.0003	0.0006	0.0003	0.0001	0.0002
	B	0.06	0.04	0.11	0.29	0.37	0.15	0.19	0.21	0.21	0.27	0.23	0.22	0.21	0.28	1.26	0.16	0.07	0.18
Total	A	0.1587	0.1956	0.1866	0.1478	0.1573	0.2000	0.1711	0.1472	0.1466	0.1255	0.1214	0.0942	0.1038	0.1036	0.0513	0.1742	0.1176	0.1117
	B	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

A: Represents Concentration indices; B: Represents Percentage share in Total indices of all 28 Public sector banks combined.



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