

Payment and Settlement Systems

No.43: Payment System Indicators

PART I - Payment System Indicators - Payment & Settlement System Statistics

System	Volume (Lakh)				Value (₹ Crore)			
	FY 2022-23	2022	2023		FY 2022-23	2022	2023	
		May.	Apr.	May.		May.	Apr.	May.
	1	2	3	4	5	6	7	8
A. Settlement Systems								
Financial Market Infrastructures (FMIs)								
1 CCIL Operated Systems (1.1 to 1.3)	41.44	3.32	3.21	4.03	258797336	19742339	20115131	22537634
1.1 Govt. Securities Clearing (1.1.1 to 1.1.3)	15.00	1.23	1.32	1.63	172251292	13110275	13093142	15227196
1.1.1 Outright	7.99	0.66	0.79	0.98	10090700	832089	1158660	1326724
1.1.2 Repo	4.07	0.31	0.36	0.45	68032487	4940038	6633808	7732270
1.1.3 Tri-party Repo	2.94	0.26	0.17	0.20	94128105	7338148	5300674	6168201
1.2 Forex Clearing	25.16	1.98	1.79	2.23	78932050	6039213	6450151	6189356
1.3 Rupee Derivatives @	1.27	0.11	0.09	0.17	7613994	592851	571838	1121082
B. Payment Systems								
I Financial Market Infrastructures (FMIs)	-	-	-	-	-	-	-	-
1 Credit Transfers - RTGS (1.1 to 1.2)	2425.62	195.72	201.57	220.46	149946286	11183947	11876806	12882587
1.1 Customer Transactions	2411.19	194.53	200.44	219.21	131667176	9851274	10452024	11413321
1.2 Interbank Transactions	14.43	1.19	1.13	1.25	18279111	1332673	1424781	1469266
II Retail								
2 Credit Transfers - Retail (2.1 to 2.6)	983694.78	72187.50	100492.45	107130.93	55012192	4177865	4834441	5196720
2.1 AePS (Fund Transfers) @	5.90	0.58	0.36	0.34	356	36	25	23
2.2 APBS \$	17898.09	2268.03	1066.77	1838.94	247580	41011	19744	31424
2.3 IMPS	56532.64	4848.13	4957.93	5015.49	5585441	452328	521050	527558
2.4 NACH Cr \$	19267.00	1794.53	1009.42	1227.66	1544342	97341	117079	122239
2.5 NEFT	52847.43	3813.34	4825.37	4896.66	33719541	2546928	2761038	3026331
2.6 UPI @	837143.73	59462.89	88632.60	94151.85	13914932	1040221	1415505	1489145
2.6.1 of which USSD @	17.21	1.00	1.64	1.75	197	14	19	21
3 Debit Transfers and Direct Debits (3.1 to 3.3)	15343.22	1177.32	1398.58	1457.43	1289393	95542	120185	125654
3.1 BHIM Aadhaar Pay @	214.22	17.81	16.09	15.45	6791	571	604	535
3.2 NACH Dr \$	13502.69	1018.05	1242.93	1288.88	1280001	94752	119338	124864
3.3 NETC (linked to bank account) @	1626.31	141.46	139.56	153.10	2601	218	243	256
4 Card Payments (4.1 to 4.2)	63337.24	5693.68	4887.94	4974.51	2152418	179494	187396	193436
4.1 Credit Cards (4.1.1 to 4.1.2)	29145.25	2378.03	2592.55	2734.74	1432255	113694	132769	140660
4.1.1 PoS based \$	15598.70	1220.26	1408.20	1419.98	541944	42266	51624	50811
4.1.2 Others \$	13546.54	1157.77	1184.35	1314.76	890311	71428	81144	89849
4.2 Debit Cards (4.2.1 to 4.2.1)	34192.00	3315.65	2295.38	2239.77	720163	65800	54627	52776
4.2.1 PoS based \$	22917.38	2150.28	1633.96	1592.87	476693	44273	37647	35589
4.2.2 Others \$	11274.61	1165.37	661.43	646.89	243470	21527	16980	17187
5 Prepaid Payment Instruments (5.1 to 5.2)	74667.44	6529.11	6313.42	6872.86	287111	25698	22595	23967
5.1 Wallets	59112.76	5198.06	5145.40	5660.41	221896	19616	18894	20344
5.2 Cards (5.2.1 to 5.2.2)	15554.69	1331.05	1168.01	1212.46	65215	6082	3701	3624
5.2.1 PoS based \$	1013.09	92.80	676.37	721.33	14777	1336	1080	1190
5.2.2 Others \$	14541.60	1238.25	491.65	491.13	50438	4746	2620	2434
6 Paper-based Instruments (6.1 to 6.2)	7087.81	590.44	554.06	572.39	7162537	594562	639281	627772
6.1 CTS (NPCI Managed)	7087.81	590.44	554.06	572.39	7162537	594562	639281	627772
6.2 Others	0.00	-	-	-	-	-	-	-
Total - Retail Payments (2+3+4+5+6)	1144130.50	86178.05	113646.45	121008.13	65903651	5073160	5803897	6167549
Total Payments (1+2+3+4+5+6)	1146556.12	86373.77	113848.01	121228.59	215849937	16257107	17680703	19050136
Total Digital Payments (1+2+3+4+5)	1139468.31	85783.33	113293.95	120656.20	208687400	15662546	17041422	18422364

PART II - Payment Modes and Channels

System	Volume (Lakh)				Value (₹ Crore)			
	FY 2022-23	2022	2023		FY 2022-23	2022	2023	
		May.	Apr.	May.		May.	Apr.	May.
	1	2	3	4	5	6	7	8
A. Other Payment Channels								
1 Mobile Payments (mobile app based) (1.1 to 1.2)	806541.16	57896.19	83595.17	87374.84	22031617	1672651	2154811	2268476
1.1 Intra-bank \$	62306.61	4617.48	5789.55	6127.73	4191430	318546	402248	424314
1.2 Inter-bank \$	744234.54	53278.71	77805.62	81247.11	17840187	1354105	1752562	1844163
2 Internet Payments (Netbanking / Internet Browser Based) @ (2.1 to 2.2)	42630.64	3015.15	3406.99	3597.36	91539296	5707944	7036829	7800437
2.1 Intra-bank @	10703.78	675.57	855.07	916.83	53506133	3628328	3713764	4116621
2.2 Inter-bank @	31926.86	2339.58	2551.92	2680.53	38033163	2079615	3323065	3683816
B. ATMs								
3 Cash Withdrawal at ATMs \$ (3.1 to 3.3)	69465.15	5868.45	5707.08	5694.70	3305007	280267	282873	279622
3.1 Using Credit Cards \$	88.37	6.64	7.49	7.73	4296	328	357	366
3.2 Using Debit Cards \$	68971.46	5829.01	5667.31	5655.91	3286748	278833	281248	278080
3.3 Using Pre-paid Cards \$	405.32	32.79	32.28	31.07	13963	1106	1268	1175
4 Cash Withdrawal at PoS \$ (4.1 to 4.2)	27.73	2.23	2.10	2.33	278	22	21	23
4.1 Using Debit Cards \$	27.41	2.20	2.09	2.31	276	22	21	23
4.2 Using Pre-paid Cards \$	0.33	0.03	0.01	0.02	2	0	0	0
5 Cash Withdrawal at Micro ATMs @	12375.16	1073.66	998.82	990.53	333966	29828	28954	27958
5.1 AePS @	12375.16	1073.66	998.82	990.53	333966	29828	28954	27958

PART III - Payment Infrastructures (Lakh)

System	As on March 2023	2022	2023	
		May.	Apr.	May.
	1	2	3	4
Payment System Infrastructures				
1 Number of Cards (1.1 to 1.2)	10465.62	9944.98	10535.25	10616.74
1.1 Credit Cards	853.03	768.77	865.13	877.47
1.2 Debit Cards	9612.59	9176.21	9670.12	9739.26
2 Number of PPIs @ (2.1 to 2.2)	16185.26	15591.10	16414.16	16455.95
2.1 Wallets @	13384.68	12884.13	13334.21	13372.11
2.2 Cards @	2800.58	2706.97	3079.95	3083.84
3 Number of ATMs (3.1 to 3.2)	2.59	2.52	2.55	2.56
3.1 Bank owned ATMs \$	2.23	2.20	2.19	2.20
3.2 White Label ATMs \$	0.36	0.32	0.36	0.36
4 Number of Micro ATMs @	16.11	10.13	14.28	14.66
5 Number of PoS Terminals	77.90	61.69	78.37	79.61
6 Bharat QR @	53.82	41.38	54.36	55.45
7 UPI QR *	2563.77	1881.16	2609.08	2667.57

@: New inclusion w.e.f. November 2019

#: Data reported by Co-operative Banks, LABs and RRBs included with effect from December 2021.

\$: Inclusion separately initiated from November 2019 - would have been part of other items hitherto.

*: New inclusion w.e.f. September 2020; Includes only static UPI QR Code

Note: 1. Data is provisional.

2. ECS (Debit and Credit) has been merged with NACH with effect from January 31, 2020.

3. The data from November 2019 onwards for card payments (Debit/Credit cards) and Prepaid Payment Instruments (PPIs) may not be comparable with earlier months/ periods, as more granular data is being published along with revision in data definitions.

4. Only domestic financial transactions are considered. The new format captures e-commerce transactions; transactions using FASTags, digital bill payments and card-to-card transfer through ATMs, etc.. Also, failed transactions, chargebacks, reversals, expired cards/ wallets, are excluded.

Part I-A. Settlement systems

1.1.3: Tri-party Repo under the securities segment has been operationalised from November 05, 2018.

Part I-B. Payments systems

4.1.2: 'Others' includes e-commerce transactions and digital bill payments through ATMs, etc.

4.2.2: 'Others' includes e-commerce transactions, card to card transfers and digital bill payments through ATMs, etc.

5: Available from December 2010.

5.1: includes purchase of goods and services and fund transfer through wallets.

5.2.2: includes usage of PPI Cards for online transactions and other transactions.

6.1: Pertain to three grids - Mumbai, New Delhi and Chennai.

6.2: 'Others' comprises of Non-MICR transactions which pertains to clearing houses managed by 21 banks.

Part II-A. Other payment channels

1: Mobile Payments -

o Include transactions done through mobile apps of banks and UPI apps.

o The data from July 2017 includes only individual payments and corporate payments initiated, processed, and authorised using mobile device. Other corporate payments which are not initiated, processed, and authorised using mobile device are excluded.

2: Internet Payments - includes only e-commerce transactions through 'netbanking' and any financial transaction using internet banking website of the bank.

Part II-B. ATMs

3.3 and 4.2: only relates to transactions using bank issued PPIs.

Part III. Payment systems infrastructure

3: Includes ATMs deployed by Scheduled Commercial Banks (SCBs) and White Label ATM Operators (WLAOs). WLAs are included from April 2014 onwards.