

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	
		Sep.	Aug.	Sep.		Sep.	Aug.	Sep.
	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	3.97	3.83	3.73	258797336	24321858	21796085	21104039
1.1 Govt. Securities Clearing (1.1.1 to 1.1.3)	15.00	1.51	1.46	1.52	172251292	16060463	14374901	13723954
1.1.1 Outright	7.99	0.86	0.82	0.93	10090700	1027326	1075273	1211320
1.1.2 Repo	4.07	0.36	0.44	0.41	68032487	6014630	6265271	5629136
1.1.3 Tri-party Repo	2.94	0.30	0.20	0.19	94128105	9018508	7034358	6883498
1.2 Forex Clearing	25.16	2.34	2.23	2.10	78932050	7499481	6636448	6811643
1.3 Rupee Derivatives @	1.27	0.11	0.14	0.11	7613994	761914	784735	568441
B. Payment Systems								
I Financial Market Infrastructures (FMIs)	-	-	-	-	-	-	-	-
1 Credit Transfers - RTGS (1.1 to 1.2)	2425.62	198.30	218.08	213.94	149946286	13789637	13742007	14545183
1.1 Customer Transactions	2411.19	197.10	216.88	212.80	131667176	12094321	12202747	12960210
1.2 Interbank Transactions	14.43	1.20	1.20	1.13	18279111	1695316	1539260	1584974
II Retail								
2 Credit Transfers - Retail (2.1 to 2.6)	983620.84	79564.56	119823.49	119215.72	55009620	4621357	5374181	5340256
2.1 AePS (Fund Transfers) @	5.90	0.55	0.34	0.31	356	32	22	21
2.2 APBS \$	17833.95	1170.40	1791.92	1818.74	247535	12805	20129	17943
2.3 IMPS	56532.64	4622.31	4891.65	4728.97	5585441	454451	514280	507497
2.4 NACH Cr \$	19257.19	1630.85	1627.49	1512.78	1541815	114718	128612	109472
2.5 NEFT	52847.43	4332.45	5651.92	5598.05	33719541	2922913	3134602	3126190
2.6 UPI @	837143.73	67808.00	105860.16	105556.87	13914932	1116438	1576537	1579133
2.6.1 of which USSD @	17.21	1.47	2.60	2.52	197	17	41	37
3 Debit Transfers and Direct Debits (3.1 to 3.3)	15343.05	1257.34	1522.83	1514.68	1289611	106118	135193	138748
3.1 BHIM Aadhaar Pay @	214.22	16.35	13.96	13.87	6791	516	416	441
3.2 NACH Dr \$	13502.52	1114.09	1374.16	1371.81	1280219	105390	134543	138081
3.3 NETC (linked to bank account) @	1626.31	126.90	134.72	129.00	2601	211	234	226
4 Card Payments (4.1 to 4.2)	63324.72	5352.43	4981.95	4578.77	2152245	183298	201292	189199
4.1 Credit Cards (4.1.1 to 4.1.2)	29145.24	2453.06	2905.78	2739.43	1432255	122094	148602	142320
4.1.1 PoS based \$	15598.46	1311.63	1520.79	1420.96	541932	44969	52961	49440
4.1.2 Others \$	13546.79	1141.43	1384.99	1318.47	890323	77125	95641	92879
4.2 Debit Cards (4.2.1 to 4.2.1)	34179.48	2899.38	2076.18	1839.34	719989	61204	52690	46880
4.2.1 PoS based \$	22904.86	1887.58	1495.96	1326.09	476520	38093	34615	30525
4.2.2 Others \$	11274.61	1011.80	580.22	513.26	243470	23111	18075	16355
5 Prepaid Payment Instruments (5.1 to 5.2)	74667.44	6048.61	6366.80	6143.16	287111	24090	23669	23668
5.1 Wallets	59112.76	4706.99	5041.90	4899.67	221896	17915	19987	19926
5.2 Cards (5.2.1 to 5.2.2)	15554.69	1341.62	1324.90	1243.49	65215	6175	3682	3742
5.2.1 PoS based \$	1013.09	79.41	742.19	721.81	14777	1172	862	852
5.2.2 Others \$	14541.60	1262.21	582.71	521.68	50438	5004	2820	2890
6 Paper-based Instruments (6.1 to 6.2)	7109.28	603.84	565.42	538.35	7172904	590573	593323	575021
6.1 CTS (NPCI Managed)	7109.28	603.84	565.42	538.35	7172904	590573	593323	575021
6.2 Others	0.00	-	-	-	-	-	-	-
Total - Retail Payments (2+3+4+5+6)	1144065.34	92826.78	133260.50	131990.68	65911490	5525435	6327659	6266892
Total Payments (1+2+3+4+5+6)	1146490.96	93025.08	133478.58	132204.62	215857776	19315072	20069666	20812075
Total Digital Payments (1+2+3+4+5)	1139381.68	92421.24	132913.16	131666.27	208684872	18724499	19476343	20237054

PART II - Payment Modes and Channels

System	Volume (Lakh)				Value (₹ Crore)			
	FY 2022-23	2022	2023		FY 2022-23	2022	2023	
		Sep.	Aug.	Sep.		Sep.	Aug.	Sep.
	1	2	3	4	5	6	7	8
A. Other Payment Channels								
1 Mobile Payments (mobile app based) (1.1 to 1.2)	805338.23	65660.55	101423.21	101214.61	22031628	1791834	2423257	2434721
1.1 Intra-bank \$	62306.61	5133.31	6553.02	6606.30	4191430	348494	439916	446014
1.2 Inter-bank \$	743031.61	60527.24	94870.20	94608.31	17840197	1443340	1983340	1988707
2 Internet Payments (Netbanking / Internet Browser Based) @ (2.1 to 2.2)	42630.64	3576.41	3790.98	3656.92	91539296	8423481	8295085	8219736
2.1 Intra-bank @	10703.78	918.60	1033.68	991.70	53506133	4985305	4490488	4178539
2.2 Inter-bank @	31926.86	2657.81	2757.30	2665.22	38033163	3438176	3804596	4041198
B. ATMs								
3 Cash Withdrawal at ATMs \$ (3.1 to 3.3)	69468.87	5725.73	5723.39	5377.11	3305008	265243	273107	260496
3.1 Using Credit Cards \$	88.37	7.22	8.09	7.85	4296	351	383	380
3.2 Using Debit Cards \$	68975.18	5684.15	5685.19	5340.59	3286749	263765	271612	259054
3.3 Using Pre-paid Cards \$	405.32	34.36	30.12	28.67	13963	1127	1112	1062
4 Cash Withdrawal at PoS \$ (4.1 to 4.2)	27.73	2.71	1.26	0.97	278	34	12	9
4.1 Using Debit Cards \$	27.41	2.67	1.25	0.96	276	34	12	9
4.2 Using Pre-paid Cards \$	0.33	0.04	0.01	0.01	2	0	0	0
5 Cash Withdrawal at Micro ATMs @	12375.16	1004.99	1055.42	991.43	333966	26097	27023	25477
5.1 AePS @	12375.16	1004.99	1055.42	991.43	333966	26097	27023	25477

PART III - Payment Infrastructures (Lakh)

System	As on March 2023	2022	2023	
		Sep.	Aug.	Sep.
	1	2	3	4
Payment System Infrastructures				
1 Number of Cards (1.1 to 1.2)	10465.62	10162.40	10693.35	10598.05
1.1 Credit Cards	853.03	777.02	912.78	930.17
1.2 Debit Cards	9612.59	9385.38	9780.57	9667.88
2 Number of PPIs @ (2.1 to 2.2)	16185.22	15860.18	16625.74	16718.09
2.1 Wallets @	13384.65	13106.33	13328.60	13437.06
2.2 Cards @	2800.57	2753.84	3297.15	3281.03
3 Number of ATMs (3.1 to 3.2)	2.59	2.55	2.58	2.58
3.1 Bank owned ATMs \$	2.23	2.20	2.23	2.23
3.2 White Label ATMs \$	0.36	0.35	0.35	0.35
4 Number of Micro ATMs @	16.11	12.43	15.29	14.87
5 Number of PoS Terminals	77.90	70.35	82.47	83.02
6 Bharat QR @	53.82	48.64	58.99	59.82
7 UPI QR *	2563.77	2164.30	2881.64	2950.06

@: 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.