

Payment and Settlement Systems

No.43: Payment System Indicators

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

System	Volume (Lakh)				Value (₹ Crore)			
	FY 2023-24	2023	2024		FY 2023-24	2023	2024	
		Jul.	Jun.	Jul.		Jul.	Jun.	Jul.
	1	2	3	4	5	6	7	8
A. Settlement Systems								
Financial Market Infrastructures (FMIs)								
I CCIL Operated Systems (1.1 to 1.3)	43.04	3.83	4.36	4.54	259206893	21113033	22580094	25280807
1.1 Govt. Securities Clearing (1.1.1 to 1.1.3)	16.80	1.53	1.60	1.71	170464587	14338395	15107943	17139102
1.1.1 Outright	9.51	0.87	0.97	1.03	13463848	1200245	1372786	1524120
1.1.2 Repo	4.94	0.46	0.42	0.44	76718788	6722022	6414226	7150905
1.1.3 Tri-party Repo	2.35	0.20	0.21	0.23	80281951	6416128	7320931	8464077
1.2 Forex Clearing	24.92	2.17	2.67	2.71	80984671	5937050	6953169	7417106
1.3 Rupee Derivatives @	1.31	0.13	0.09	0.12	7757636	837588	518982	724598
B. Payment Systems								
I Financial Market Infrastructures (FMIs)	-	-	-	-	-	-	-	-
1 Credit Transfers - RTGS (1.1 to 1.2)	2700.16	211.89	231.84	246.68	170886670	13124561	16037694	15970680
1.1 Customer Transactions	2686.04	210.72	230.72	245.48	152406168	11615417	14570686	14531533
1.2 Interbank Transactions	14.12	1.17	1.12	1.19	18480503	1509144	1467008	1439147
II Retail								
2 Credit Transfers - Retail (2.1 to 2.6)	1486106.89	114189.63	155567.02	161225.51	67542859	5250943	6073917	6480748
2.1 AePS (Fund Transfers) @	3.92	0.32	0.30	0.31	261	22	16	13
2.2 APBS \$	25888.17	2850.05	2929.34	2481.39	390743	45524	43676	28605
2.3 IMPS	60053.35	4897.10	5167.51	4902.84	6495652	512312	577794	593177
2.4 NACH Cr \$	16227.27	1322.80	1311.11	1479.29	1525104	110184	113888	132397
2.5 NEFT	72639.50	5476.79	7307.34	8006.14	39136014	3049364	3331461	3662264
2.6 UPI @	1311294.68	99642.56	138851.42	144355.54	19995086	1533536	2007081	2064292
2.6.1 of which USSD @	26.19	2.77	1.41	1.40	352	43	15	15
3 Debit Transfers and Direct Debits (3.1 to 3.3)	18249.53	1473.10	1697.73	1734.76	1687658	130931	171469	175789
3.1 BHIM Aadhaar Pay @	193.59	14.42	21.07	19.25	6112	457	581	575
3.2 NACH Dr \$	16426.49	1327.06	1544.59	1588.11	1678769	130240	170756	175014
3.3 NETC (linked to bank account) @	1629.45	131.62	132.07	127.40	2777	233	132	200
4 Card Payments (4.1 to 4.2)	58469.79	4882.21	5003.43	5294.35	2423563	198421	200081	217435
4.1 Credit Cards (4.1.1 to 4.1.2)	35610.15	2780.90	3579.49	3837.80	1831134	145108	158822	172670
4.1.1 PoS based \$	18614.08	1434.21	1895.40	1970.94	651911	49789	59417	62284
4.1.2 Others \$	16996.08	1346.69	1684.10	1866.86	1179223	95319	99405	110386
4.2 Debit Cards (4.2.1 to 4.2.1)	22859.64	2101.31	1423.94	1456.56	592429	53313	41259	44765
4.2.1 PoS based \$	16477.95	1485.21	1063.60	1068.60	393589	33513	27630	28600
4.2.2 Others \$	6381.69	616.10	360.33	387.96	198840	19801	13629	16165
5 Prepaid Payment Instruments (5.1 to 5.2)	78775.40	6393.08	5236.08	5356.71	283048	23238	15897	16327
5.1 Wallets	63256.69	5068.53	4038.05	4009.69	234353	19736	11298	11386
5.2 Cards (5.2.1 to 5.2.2)	15518.71	1324.55	1198.03	1347.01	48695	3502	4599	4941
5.2.1 PoS based \$	8429.87	714.15	650.89	713.97	11247	775	946	940
5.2.2 Others \$	7088.84	610.40	547.14	633.05	37447	2727	3653	4001
6 Paper-based Instruments (6.1 to 6.2)	6632.10	555.48	484.42	531.00	7212333	587310	553834	610685
6.1 CTS (NPCI Managed)	6632.10	555.48	484.42	531.00	7212333	587310	553834	610685
6.2 Others	0.00	-	-	-	-	-	-	-
Total - Retail Payments (2+3+4+5+6)	1648233.71	127493.51	167988.69	174142.33	79149461	6190842	7015198	7500984
Total Payments (1+2+3+4+5+6)	1650933.88	127705.40	168220.52	174389.01	250036131	19315404	23052892	23471665
Total Digital Payments (1+2+3+4+5)	1644301.78	127149.92	167736.10	173858.01	242823799	18728094	22499058	22860979

PART II - Payment Modes and Channels

System	Volume (Lakh)				Value (₹ Crore)			
	FY 2023-24	2023	2024		FY 2023-24	2023	2024	
		Jul.	Jun.	Jul.		Jul.	Jun.	Jul.
	1	2	3	4	5	6	7	8
A. Other Payment Channels								
1 Mobile Payments (mobile app based) (1.1 to 1.2)	1252599.21	93340.31	134138.30	139896.47	30687088	2316954	3062709	3175645
1.1 Intra-bank \$	83000.56	6400.03	9156.28	9299.86	5676805	428279	571044	599267
1.2 Inter-bank \$	1169598.65	86940.28	124982.02	130596.61	25010283	1888674	2491666	2576378
2 Internet Payments (Netbanking / Internet Browser Based) @ (2.1 to 2.2)	45034.98	3938.95	3717.20	4236.74	102117736	8157864	9505759	9894263
2.1 Intra-bank @	12033.28	1107.74	1026.53	1225.09	53247042	4353820	4873274	5064291
2.2 Inter-bank @	33001.71	2831.21	2690.67	3011.65	48870694	3804045	4632484	4829973
B. ATMs								
3 Cash Withdrawal at ATMs \$ (3.1 to 3.3)	66440.72	5590.96	5076.57	5069.38	3259388	269298	255229	250318
3.1 Using Credit Cards \$	95.80	7.58	8.29	8.54	4648	357	426	433
3.2 Using Debit Cards \$	66001.01	5553.98	5045.81	5040.14	3241538	267870	253844	248968
3.3 Using Pre-paid Cards \$	343.90	29.39	22.47	20.70	13202	1071	959	917
4 Cash Withdrawal at PoS \$ (4.1 to 4.2)	15.18	2.23	0.28	0.29	148	22	3	3
4.1 Using Debit Cards \$	15.06	2.23	0.27	0.27	147	22	3	3
4.2 Using Pre-paid Cards \$	0.12	0.01	0.02	0.02	1	0	0	0
5 Cash Withdrawal at Micro ATMs @	11754.95	1078.92	973.79	944.29	314003	28950	24426	23498
5.1 AePS @	11754.95	1078.92	973.79	944.29	314003	28950	24426	23498

PART III - Payment Infrastructures (Lakh)

System	As on March 2024	2023	2024	
		Jul.	Jun.	Jul.
	1	2	3	4
Payment System Infrastructures				
1 Number of Cards (1.1 to 1.2)	10667.22	10606.14	10835.23	10850.30
1.1 Credit Cards	1018.03	898.73	1038.13	1045.68
1.2 Debit Cards	9649.19	9707.41	9797.10	9804.62
2 Number of PPIs @ (2.1 to 2.2)	16743.63	16646.89	15051.30	15211.55
2.1 Wallets @	13381.80	13678.38	11375.61	11419.62
2.2 Cards @	3361.82	2968.51	3675.69	3791.93
3 Number of ATMs (3.1 to 3.2)	2.58	2.57	2.56	2.55
3.1 Bank owned ATMs \$	2.23	2.21	2.21	2.21
3.2 White Label ATMs \$	0.35	0.36	0.35	0.34
4 Number of Micro ATMs @	17.55	15.37	15.18	14.71
5 Number of PoS Terminals	89.03	81.23	89.67	89.72
6 Bharat QR @	62.50	58.06	61.64	61.87
7 UPI QR *	3434.93	2807.25	3230.03	3286.40

@: 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.

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

2. 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.

3. 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: Pertains 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 –

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

• 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.