

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	
		Jun.	May.	Jun.		Jun.	May.	Jun.
	1	-2	-1	0	5	2	3	4
A. Settlement Systems								
Financial Market Infrastructures (FMIs)								
1 CCIL Operated Systems (1.1 to 1.3)	43.04	3.81	4.07	4.36	259206893	22638088	22018913	22580094
1.1 Govt. Securities Clearing (1.1.1 to 1.1.3)	16.80	1.54	1.60	1.60	170464587	15259736	14632648	15107943
1.1.1 Outright	9.51	0.88	0.98	0.97	13463848	1299039	1363203	1372786
1.1.2 Repo	4.94	0.45	0.43	0.42	76718788	7312076	6669493	6414226
1.1.3 Tri-party Repo	2.35	0.21	0.19	0.21	80281951	6648621	6599952	7320931
1.2 Forex Clearing	24.92	2.17	2.37	2.67	80984671	6854522	6780829	6953169
1.3 Rupee Derivatives @	1.31	0.10	0.10	0.09	7757636	523830	605436	518982
B. Payment Systems								
I Financial Market Infrastructures (FMIs)	-	-	-	-	-	-	-	-
1 Credit Transfers - RTGS (1.1 to 1.2)	2700.16	212.30	249.71	231.84	170886670	14336617	15186947	16037694
1.1 Customer Transactions	2686.04	211.10	248.49	230.72	152406168	12739932	13559606	14570686
1.2 Interbank Transactions	14.12	1.20	1.22	1.12	18480503	1596685	1627340	1467008
II Retail								
2 Credit Transfers - Retail (2.1 to 2.6)	1486106.89	106299.38	156773.59	155567.02	67542859	5151213	6279019	6073917
2.1 AePS (Fund Transfers) @	3.92	0.30	0.31	0.30	261	20	18	16
2.2 APBS \$	25888.17	1875.41	2295.50	2929.34	390743	25772	37499	43676
2.3 IMPS	60053.35	4681.02	5576.99	5167.51	6495652	500482	606167	577794
2.4 NACH Cr \$	16227.27	1294.91	1074.61	1311.11	1525104	109983	132404	113888
2.5 NEFT	72639.50	5097.12	7467.75	7307.34	39136014	3039491	3457995	3331461
2.6 UPI @	1311294.68	93350.61	140358.43	138851.42	19995086	1475464	2044937	2007081
2.6.1 of which USSD @	26.19	2.18	1.62	1.41	352	30	17	15
3 Debit Transfers and Direct Debits (3.1 to 3.3)	18249.53	1453.92	1698.67	1697.73	1687658	129549	167035	171469
3.1 BHIM Aadhaar Pay @	193.59	14.83	19.33	21.07	6112	487	506	581
3.2 NACH Dr \$	16426.49	1296.38	1539.23	1544.59	1678769	128819	166305	170756
3.3 NETC (linked to bank account) @	1629.45	142.71	140.11	132.07	2777	243	225	132
4 Card Payments (4.1 to 4.2)	58469.79	4731.29	5105.17	5003.43	2423563	188284	208520	200081
4.1 Credit Cards (4.1.1 to 4.1.2)	35610.15	2629.05	3601.36	3579.49	1831134	137234	164955	158822
4.1.1 PoS based \$	18614.08	1378.71	1906.58	1895.40	651911	48854	63831	59417
4.1.2 Others \$	16996.08	1250.34	1694.78	1684.10	1179223	88380	101124	99405
4.2 Debit Cards (4.2.1 to 4.2.1)	22859.64	2102.24	1503.82	1423.94	592429	51049	43565	41259
4.2.1 PoS based \$	16477.95	1499.66	1114.38	1063.60	393589	33778	29772	27630
4.2.2 Others \$	6381.69	602.58	389.44	360.33	198840	17271	13793	13629
5 Prepaid Payment Instruments (5.1 to 5.2)	78775.40	6569.82	5496.00	5236.08	283048	23509	16697	15897
5.1 Wallets	63256.69	5303.68	4204.49	4038.05	234353	19762	11566	11298
5.2 Cards (5.2.1 to 5.2.2)	15518.71	1266.13	1291.51	1198.03	48695	3747	5131	4599
5.2.1 PoS based \$	8429.87	681.07	689.94	650.89	11247	1017	1027	946
5.2.2 Others \$	7088.84	585.06	601.57	547.14	37447	2730	4104	3653
6 Paper-based Instruments (6.1 to 6.2)	6632.10	539.36	524.39	484.42	7212333	578306	611518	553834
6.1 CTS (NPCI Managed)	6632.10	539.36	524.39	484.42	7212333	578306	611518	553834
6.2 Others	0.00	-	-	-	-	-	-	-
Total - Retail Payments (2+3+4+5+6)	1648233.71	119593.76	169597.82	167988.69	79149461	6070861	7282789	7015198
Total Payments (1+2+3+4+5+6)	1650933.88	119806.06	169847.53	168220.52	250036131	20407478	22469736	23052892
Total Digital Payments (1+2+3+4+5)	1644301.78	119266.70	169323.14	167736.10	242823799	19829172	21858218	22499058

PART II - Payment Modes and Channels

System	Volume (Lakh)				Value (₹ Crore)			
	FY 2023-24	2023	2024		FY 2023-24	2023	2024	
		Jun.	May.	Jun.		Jun.	May.	Jun.
	1	-1	0	1	5	3	4	5
A. Other Payment Channels								
1 Mobile Payments (mobile app based) (1.1 to 1.2)	1252599.21	88097.74	134522.56	133652.25	30687088	2243152	3126322	3046393
1.1 Intra-bank \$	83000.56	6145.85	9224.51	8682.06	5676805	416271	585196	559035
1.2 Inter-bank \$	1169598.65	81951.89	125298.05	124970.19	25010283	1826881	2541125	2487357
2 Internet Payments (Netbanking / Internet Browser Based) @ (2.1 to 2.2)	45034.98	3566.29	3771.12	3714.13	102117736	8354717	8705212	9501615
2.1 Intra-bank @	12033.28	929.63	1010.25	1026.53	53247042	4456179	4276566	4875740
2.2 Inter-bank @	33001.71	2636.66	2760.86	2687.59	48870694	3898539	4428645	4625875
B. ATMs								
3 Cash Withdrawal at ATMs \$ (3.1 to 3.3)	66440.72	5577.45	5166.41	5076.57	3259388	274070	260240	255229
3.1 Using Credit Cards \$	95.80	7.43	8.63	8.29	4648	352	441	426
3.2 Using Debit Cards \$	66001.01	5540.43	5133.52	5045.81	3241538	272643	258785	253844
3.3 Using Pre-paid Cards \$	343.90	29.58	24.26	22.47	13202	1074	1014	959
4 Cash Withdrawal at PoS \$ (4.1 to 4.2)	15.18	2.29	0.33	0.28	148	23	3	3
4.1 Using Debit Cards \$	15.06	2.29	0.31	0.27	147	23	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	943.77	879.79	973.79	314003	25991	22804	24426
5.1 AePS @	11754.95	943.77	879.79	973.79	314003	25991	22804	24426

PART III - Payment Infrastructures (Lakh)

System	As on March 2024	2023	2024	
		Jun.	May.	Jun.
	1	-1	0	1
Payment System Infrastructures				
1 Number of Cards (1.1 to 1.2)	10667.22	10645.15	10780.74	10835.23
1.1 Credit Cards	1018.03	886.82	1033.00	1038.13
1.2 Debit Cards	9649.19	9758.33	9747.74	9797.10
2 Number of PPIs @ (2.1 to 2.2)	16743.63	16709.14	14840.92	15051.30
2.1 Wallets @	13381.80	13409.30	11302.14	11375.61
2.2 Cards @	3361.82	3299.84	3538.78	3675.69
3 Number of ATMs (3.1 to 3.2)	2.58	2.59	2.57	2.56
3.1 Bank owned ATMs \$	2.23	2.23	2.22	2.21
3.2 White Label ATMs \$	0.35	0.36	0.36	0.35
4 Number of Micro ATMs @	17.55	14.96	15.62	15.18
5 Number of PoS Terminals	89.03	80.94	88.04	89.67
6 Bharat QR @	62.50	56.88	61.21	61.64
7 UPI QR *	3462.03	2720.15	3299.47	3401.24

@: 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: 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 –
• 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.