

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	
		Sep.	Aug.	Sep.		Sep.	Aug.	Sep.
	1	-2	-1	0	5	2	3	4
A. Settlement Systems								
Financial Market Infrastructures (FMIs)								
I CCIL Operated Systems (1.1 to 1.3)								
1.1 Govt. Securities Clearing (1.1.1 to 1.1.3)	43.04	3.73	3.88	4.08	259206893	21104039	23205978	23840258
1.1.1 Outright	16.80	1.52	1.62	1.57	170464587	13723954	15544033	14750412
1.1.2 Repo	9.51	0.93	0.99	0.99	13463848	1211320	1468219	1468346
1.1.3 Tri-party Repo	4.94	0.41	0.41	0.37	76718788	5629136	6391039	6038102
1.2 Forex Clearing	2.35	0.19	0.22	0.21	80281951	6883498	7684775	7243965
1.3 Rupee Derivatives @	24.92	2.10	2.13	2.40	80984671	6811643	6911072	8415273
	1.31	0.11	0.13	0.11	7757636	568441	750873	674573
B. Payment Systems								
I Financial Market Infrastructures (FMIs)								
I Credit Transfers - RTGS (1.1 to 1.2)								
1.1 Customer Transactions	2700.16	213.94	237.53	233.33	170886670	14545183	15910436	17786483
1.2 Interbank Transactions	2686.04	212.80	236.33	232.21	152406168	12960210	14385410	16027655
	14.12	1.13	1.19	1.12	18480503	1584974	1525025	1758828
II Retail								
2 Credit Transfers - Retail (2.1 to 2.6)								
2.1 AePS (Fund Transfers) @	1486106.89	119215.72	166465.50	166626.30	67542859	5340256	6408703	6384754
2.2 APBS \$	3.92	0.31	0.31	0.30	261	21	13	14
2.3 IMPS	25888.17	1818.74	2783.25	2342.41	390743	17943	35283	35550
2.4 NACH Cr \$	60053.35	4728.97	4533.37	4299.36	6495652	507497	577888	565233
2.5 NEFT	16227.27	1512.78	1534.87	1657.93	1525104	109472	144196	122079
2.6 UPI @	72639.50	5598.05	7983.23	7908.83	39136014	3126190	3590588	3597885
2.6.1 of which USSD @	1311294.68	105556.87	149630.47	150417.47	19995086	1579133	2060736	2063995
	26.19	2.52	1.45	1.31	352	37	15	14
3 Debit Transfers and Direct Debits (3.1 to 3.3)								
3.1 BHIM Aadhaar Pay @	18249.53	1514.68	1774.78	1805.36	1687658	138748	177162	180707
3.2 NACH Dr \$	193.59	13.87	19.06	18.81	6112	441	576	568
3.3 NETC (linked to bank account) @	16426.49	1371.81	1621.10	1651.69	1678769	138081	176386	179945
	1629.45	129.00	134.62	134.86	2777	226	199	193
4 Card Payments (4.1 to 4.2)								
4.1 Credit Cards (4.1.1 to 4.1.2)	58469.79	4578.47	5323.13	5275.26	2423563	189186	211744	216304
4.1.1 PoS based \$	35610.15	2739.43	3900.68	3921.62	1831134	142320	168202	176202
4.1.2 Others \$	18614.08	1420.96	2023.83	1980.89	651911	49440	63208	61033
4.2 Debit Cards (4.2.1 to 4.2.1)	16996.08	1318.47	1876.85	1940.73	1179223	92879	104994	115169
4.2.1 PoS based \$	22859.64	1839.04	1422.45	1353.64	592429	46866	43542	40102
4.2.2 Others \$	16477.95	1325.79	1061.41	995.07	393589	30512	29346	25777
	6381.69	513.26	361.04	358.58	198840	16355	14196	14324
5 Prepaid Payment Instruments (5.1 to 5.2)								
5.1 Wallets	78775.40	6143.16	5466.90	5476.69	283048	23668	16555	17489
5.2 Cards (5.2.1 to 5.2.2)	63256.69	4927.10	4092.83	4054.95	234353	19944	11599	11889
5.2.1 PoS based \$	15518.71	1216.07	1374.07	1421.74	48695	3724	4956	5600
5.2.2 Others \$	8429.87	707.39	710.24	721.65	11247	842	908	858
	7088.84	508.67	663.82	700.09	37447	2882	4048	4743
6 Paper-based Instruments (6.1 to 6.2)								
6.1 CTS (NPCI Managed)	6632.10	538.35	508.49	484.94	7212333	575021	568848	543387
6.2 Others	6632.10	538.35	508.49	484.94	7212333	575021	568848	543387
	0.00	-	-	-	-	-	-	-
Total - Retail Payments (2+3+4+5+6)	1648233.71	131990.38	179538.79	179668.56	79149461	6266879	7383012	7342641
Total Payments (1+2+3+4+5+6)	1650933.88	132204.32	179776.32	179901.89	250036131	20812062	23293447	25129124
Total Digital Payments (1+2+3+4+5)	1644301.78	131665.97	179267.83	179416.95	242823799	20237041	22724600	24585737

PART II - Payment Modes and Channels

System	Volume (Lakh)				Value (₹ Crore)			
	FY 2023-24	2023	2024		FY 2023-24	2023	2024	
		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)								
1.1 Intra-bank \$	1252599.21	101214.61	144031.16	143569.44	30687088	2434721	3188004	3161365
1.2 Inter-bank \$	83000.56	6606.30	9171.14	9081.76	5676805	446014	598931	601330
1.2 Inter-bank \$	1169598.65	94608.31	134860.02	134487.68	25010283	1988707	2589074	2560036
2 Internet Payments (Netbanking / Internet Browser Based) @ (2.1 to 2.2)								
2.1 Intra-bank @	45034.98	3650.26	3912.80	3847.73	102117736	8219961	9520832	10092959
2.2 Inter-bank @	12033.28	988.10	1157.09	1101.62	53247042	4179061	4883018	5123573
2.2 Inter-bank @	33001.71	2662.16	2755.71	2746.11	48870694	4040900	4637815	4969386
B. ATMs								
3 Cash Withdrawal at ATMs \$ (3.1 to 3.3)								
3.1 Using Credit Cards \$	66440.72	5377.22	5157.20	4949.81	3259388	260514	255021	245223
3.2 Using Debit Cards \$	95.80	7.85	8.46	8.02	4648	380	434	417
3.3 Using Pre-paid Cards \$	66001.01	5340.70	5128.53	4922.18	3241538	259072	253703	243930
3.3 Using Pre-paid Cards \$	343.90	28.67	20.20	19.62	13202	1062	883	876
4 Cash Withdrawal at PoS \$ (4.1 to 4.2)								
4.1 Using Debit Cards \$	15.18	0.97	0.30	0.27	148	9	3	3
4.2 Using Pre-paid Cards \$	15.06	0.96	0.28	0.25	147	9	3	3
4.2 Using Pre-paid Cards \$	0.12	0.01	0.02	0.01	1	0	0	0
5 Cash Withdrawal at Micro ATMs @								
5.1 AePS @	11754.95	991.43	972.97	975.12	314003	25477	23935	23389
5.1 AePS @	11754.95	991.43	972.97	975.12	314003	25477	23935	23389

PART III - Payment Infrastructures (Lakh)

System	As on March 2024	2023	2024	
		Sep.	Aug.	Sep.
	1	2	3	4
Payment System Infrastructures				
1 Number of Cards (1.1 to 1.2)				
1.1 Credit Cards	10667.22	10713.04	10912.03	10968.31
1.1 Credit Cards	1018.03	930.17	1054.92	1061.13
1.2 Debit Cards	9649.19	9782.86	9857.10	9907.18
2 Number of PPIs @ (2.1 to 2.2)				
2.1 Wallets @	16743.63	16718.12	15182.14	15339.88
2.1 Wallets @	13381.80	13588.07	11322.72	11381.79
2.2 Cards @	3361.82	3130.05	3859.42	3958.09
3 Number of ATMs (3.1 to 3.2)				
3.1 Bank owned ATMs \$	2.58	2.58	2.55	2.55
3.1 Bank owned ATMs \$	2.23	2.23	2.20	2.20
3.2 White Label ATMs \$	0.35	0.35	0.35	0.35
4 Number of Micro ATMs @				
4 Number of Micro ATMs @	17.55	14.87	14.42	14.45
5 Number of PoS Terminals				
5 Number of PoS Terminals	89.03	83.03	93.01	93.43
6 Bharat QR @				
6 Bharat QR @	62.50	59.82	63.97	64.16
7 UPI QR *				
7 UPI QR *	3434.93	2950.06	5912.10	6069.95

@: 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: 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 -

4: Include transactions done through mobile apps of banks and UPI apps.

5: 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). WLAOs are included from April 2014 onwards.