

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	
		Jul.	Jun.	Jul.		Jul.	Jun.	Jul.
	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	3.39	3.81	3.83	258797336	21126044	22638088	21113033
1.1 Govt. Securities Clearing (1.1.1 to 1.1.3)	15.00	1.33	1.54	1.53	172251292	14218681	15259736	14338395
1.1.1 Outright	7.99	0.71	0.88	0.87	10090700	851204	1299039	1200245
1.1.2 Repo	4.07	0.34	0.45	0.46	68032487	5764070	7312076	6722022
1.1.3 Tri-party Repo	2.94	0.28	0.21	0.20	94128105	7603407	6648621	6416128
1.2 Forex Clearing	25.16	1.93	2.17	2.17	78932050	6272728	6854522	5937050
1.3 Rupee Derivatives @	1.27	0.13	0.10	0.13	7613994	634635	523830	837588
B. Payment Systems								
I Financial Market Infrastructures (FMIs)	-	-	-	-	-	-	-	-
1 Credit Transfers - RTGS (1.1 to 1.2)	2425.62	189.26	212.30	211.89	149946286	11551440	14336617	13124561
1.1 Customer Transactions	2411.19	188.06	211.10	210.72	131667176	9927091	12739932	11615417
1.2 Interbank Transactions	14.43	1.20	1.20	1.17	18279111	1624349	1596685	1509144
II Retail								
2 Credit Transfers - Retail (2.1 to 2.6)	983620.84	74673.64	106299.38	114189.63	55009620	4267239	5151213	5250943
2.1 AePS (Fund Transfers) @	5.90	0.68	0.30	0.32	356	40	20	22
2.2 APBS \$	17833.95	1259.99	1875.41	2850.05	247535	12511	25772	45524
2.3 IMPS	56532.64	4608.30	4681.02	4897.10	5585441	444541	500482	512312
2.4 NACH Cr \$	19257.19	1892.88	1294.91	1322.80	1541815	119677	109983	110184
2.5 NEFT	52847.43	4018.39	5097.12	5476.79	33719541	2627354	3039491	3049364
2.6 UPI @	837143.73	62893.40	93350.61	99642.56	13914932	1063117	1475464	1533536
2.6.1 of which USSD @	17.21	1.62	2.18	2.77	197	18	30	43
3 Debit Transfers and Direct Debits (3.1 to 3.3)	15343.05	1217.97	1453.92	1473.10	1289611	100581	129549	130931
3.1 BHIM Aadhaar Pay @	214.22	21.26	14.83	14.42	6791	621	487	457
3.2 NACH Dr \$	13502.52	1067.05	1296.38	1327.06	1280219	99754	128819	130240
3.3 NETC (linked to bank account) @	1626.31	129.66	142.71	131.62	2601	207	243	233
4 Card Payments (4.1 to 4.2)	63324.72	5481.80	4731.29	4872.12	2152245	180371	188284	198050
4.1 Credit Cards (4.1.1 to 4.1.2)	29145.24	2348.34	2629.05	2770.81	1432255	115856	137234	144737
4.1.1 PoS based \$	15598.46	1220.69	1378.71	1428.18	541932	41767	48854	49628
4.1.2 Others \$	13546.79	1127.64	1250.34	1342.63	890323	74089	88380	95108
4.2 Debit Cards (4.2.1 to 4.2.1)	34179.48	3133.47	2102.24	2101.31	719989	64515	51049	53313
4.2.1 PoS based \$	22904.86	2052.26	1499.66	1485.21	476520	41198	33778	33513
4.2.2 Others \$	11274.61	1081.20	602.58	616.10	243470	23317	17271	19801
5 Prepaid Payment Instruments (5.1 to 5.2)	74667.44	6195.34	6464.03	6393.08	287111	25309	23114	23238
5.1 Wallets	59112.76	4855.87	5294.78	5045.31	221896	18775	19767	19724
5.2 Cards (5.2.1 to 5.2.2)	15554.69	1339.48	1169.24	1347.78	65215	6534	3347	3514
5.2.1 PoS based \$	1013.09	85.43	681.07	725.68	14777	1285	1016	782
5.2.2 Others \$	14541.60	1254.05	488.17	622.10	50438	5250	2331	2733
6 Paper-based Instruments (6.1 to 6.2)	7109.28	588.67	539.36	555.48	7172904	579381	578306	587310
6.1 CTS (NPCI Managed)	7109.28	588.67	539.36	555.48	7172904	579381	578306	587310
6.2 Others	0.00	-	-	-	-	-	-	-
Total - Retail Payments (2+3+4+5+6)	1144065.34	88157.42	119487.97	127483.42	65911490	5152881	6070466	6190471
Total Payments (1+2+3+4+5+6)	1146490.96	88346.69	119700.27	127695.32	215857776	16704320	20407083	19315032
Total Digital Payments (1+2+3+4+5)	1139381.68	87758.02	119160.91	127139.84	208684872	16124940	19828777	18727722

PART II - Payment Modes and Channels

System	Volume (Lakh)				Value (₹ Crore)			
	FY 2022-23	2022	2023		FY 2022-23	2022	2023	
		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)	806541.16	61437.98	88411.48	93608.38	22031617	1699580	2243149	2316947
1.1 Intra-bank \$	62306.61	4902.43	6145.85	6400.10	4191430	324003	416271	428287
1.2 Inter-bank \$	744234.54	56535.55	82265.63	87208.27	17840187	1375577	1826878	1888659
2 Internet Payments (Netbanking / Internet Browser Based) @ (2.1 to 2.2)	42630.64	3756.52	3564.77	3939.72	91539296	7387328	8354438	8157915
2.1 Intra-bank @	10703.78	934.78	929.63	1107.74	53506133	4450729	4456179	4353820
2.2 Inter-bank @	31926.86	2821.73	2635.13	2831.98	38033163	2936599	3898259	3804095
B. ATMs								
3 Cash Withdrawal at ATMs \$ (3.1 to 3.3)	69468.87	5777.88	5398.31	5397.59	3305008	272103	268351	263323
3.1 Using Credit Cards \$	88.37	6.95	7.43	7.56	4296	342	352	356
3.2 Using Debit Cards \$	68975.18	5735.52	5361.29	5360.64	3286749	270609	266925	261896
3.3 Using Pre-paid Cards \$	405.32	35.42	29.58	29.39	13963	1152	1074	1071
4 Cash Withdrawal at PoS \$ (4.1 to 4.2)	27.73	2.26	2.29	2.23	278	22	23	22
4.1 Using Debit Cards \$	27.41	2.25	2.29	2.23	276	22	23	22
4.2 Using Pre-paid Cards \$	0.33	0.01	0.01	0.01	2	0	0	0
5 Cash Withdrawal at Micro ATMs @	12375.16	1082.22	943.77	1078.92	333966	29517	25991	28950
5.1 AePS @	12375.16	1082.22	943.77	1078.92	333966	29517	25991	28950

PART III - Payment Infrastructures (Lakh)

System	As on March 2023	2022	2023	
		Jul.	Jun.	Jul.
	1	2	3	4
Payment System Infrastructures				
1 Number of Cards (1.1 to 1.2)	10465.62	10083.90	10645.15	10606.14
1.1 Credit Cards	853.03	802.56	886.82	898.73
1.2 Debit Cards	9612.59	9281.34	9758.33	9707.41
2 Number of PPIs @ (2.1 to 2.2)	16185.22	15621.99	16530.40	16646.95
2.1 Wallets @	13384.65	12922.65	13409.21	13513.24
2.2 Cards @	2800.57	2699.35	3121.20	3133.71
3 Number of ATMs (3.1 to 3.2)	2.59	2.54	2.59	2.59
3.1 Bank owned ATMs \$	2.23	2.20	2.23	2.24
3.2 White Label ATMs \$	0.36	0.34	0.36	0.36
4 Number of Micro ATMs @	16.11	11.36	14.96	15.37
5 Number of PoS Terminals	77.90	68.19	80.94	81.23
6 Bharat QR @	53.82	45.21	56.88	58.06
7 UPI QR *	2563.77	2013.02	2720.15	2807.25

@: 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.