

# 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	2023	2024		FY 2022-23	2023	2024	
		Feb.	Jan.	Feb.		Feb.	Jan.	Feb.
	1	-2	-1	0	5	2	3	4
<b>A. Settlement Systems</b>								
<b>Financial Market Infrastructures (FMIs)</b>								
<b>I CCIL Operated Systems (1.1 to 1.3)</b>	41.44	3.51	3.74	3.60	258797336	22281370	21705635	21907760
1.1 Govt. Securities Clearing (1.1.1 to 1.1.3)	15.00	1.27	1.42	1.46	172251292	14888685	14658627	14722762
1.1.1 Outright	7.99	0.68	0.79	0.87	10090700	895740	1100547	1273135
1.1.2 Repo	4.07	0.38	0.43	0.39	68032487	6436404	6039056	6575139
1.1.3 Tri-party Repo	2.94	0.21	0.21	0.20	94128105	7556541	7519024	6874488
1.2 Forex Clearing	25.16	2.11	2.21	2.04	78932050	6602897	6439543	6537554
1.3 Rupee Derivatives @	1.27	0.13	0.11	0.09	7613994	789788	607465	647444
<b>B. Payment Systems</b>								
<b>I Financial Market Infrastructures (FMIs)</b>	-	-	-	-	-	-	-	-
<b>I Credit Transfers - RTGS (1.1 to 1.2)</b>	2425.62	200.50	230.99	238.26	149946286	12053579	14691625	14614297
1.1 Customer Transactions	2411.19	199.35	229.79	237.09	131667176	10566198	13127720	13083464
1.2 Interbank Transactions	14.43	1.14	1.20	1.17	18279111	1487381	1563905	1530833
<b>II Retail</b>								
<b>2 Credit Transfers - Retail (2.1 to 2.6)</b>	983620.84	88539.09	137068.03	137733.21	55009620	4647461	5945126	6039675
2.1 AePS (Fund Transfers) @	5.90	0.31	0.36	0.32	356	22	24	21
2.2 APBS \$	17833.95	2519.89	2118.74	2965.77	247535	35468	42872	48312
2.3 IMPS	56532.64	4478.13	5087.92	5346.35	5585441	468647	566310	568092
2.4 NACH Cr \$	19257.19	1517.57	948.05	1504.81	1541815	131505	127514	123887
2.5 NEFT	52847.43	4675.61	6882.78	6889.23	33719541	2775972	3367322	3471495
2.6 UPI @	837143.73	75347.57	122030.18	121026.73	13914932	1235847	1841084	1827869
2.6.1 of which USSD @	17.21	1.51	1.90	1.66	197	17	21	19
<b>3 Debit Transfers and Direct Debits (3.1 to 3.3)</b>	15343.05	1359.79	1571.50	1611.25	1289611	115272	154405	153734
3.1 BHIM Aadhaar Pay @	214.22	11.50	18.82	15.43	6791	454	619	376
3.2 NACH Dr \$	13502.52	1209.13	1440.08	1464.78	1280219	114587	153564	153173
3.3 NETC (linked to bank account) @	1626.31	139.16	112.60	131.04	2601	231	222	184
<b>4 Card Payments (4.1 to 4.2)</b>	63324.72	4588.51	4934.19	4634.88	2152245	168378	211931	190658
4.1 Credit Cards (4.1.1 to 4.1.2)	29145.24	2323.20	3289.52	3112.44	1432255	118684	166444	149206
4.1.1 PoS based \$	15598.46	1255.88	1725.59	1618.50	541932	44611	58532	54431
4.1.2 Others \$	13546.79	1067.32	1563.93	1493.94	890323	74073	107912	94775
4.2 Debit Cards (4.2.1 to 4.2.1)	34179.48	2265.31	1644.68	1522.44	719989	49693	45487	41452
4.2.1 PoS based \$	22904.86	1581.95	1193.18	1109.26	476520	33432	30383	27930
4.2.2 Others \$	11274.61	683.36	451.50	413.18	243470	16261	15103	13522
<b>5 Prepaid Payment Instruments (5.1 to 5.2)</b>	74667.44	6050.89	7087.25	6470.87	287111	22399	25784	22676
5.1 Wallets	59112.76	4929.04	5766.67	5211.85	221896	18356	21259	18434
<b>5.2 Cards (5.2.1 to 5.2.2)</b>	15554.69	1121.85	1320.58	1259.02	65215	4043	4525	4242
5.2.1 PoS based \$	1013.09	63.07	690.67	702.42	14777	792	927	919
5.2.2 Others \$	14541.60	1058.78	629.91	556.60	50438	3251	3598	3323
<b>6 Paper-based Instruments (6.1 to 6.2)</b>	7109.28	553.90	547.17	541.88	7172904	565690	583653	602630
6.1 CTS (NPCI Managed)	7109.28	553.90	547.17	541.88	7172904	565690	583653	602630
6.2 Others	0.00	-	-	-	-	-	-	-
<b>Total - Retail Payments (2+3+4+5+6)</b>	1144065.34	101092.17	151208.15	150992.10	65911490	5519200	6920899	7009374
<b>Total Payments (1+2+3+4+5+6)</b>	1146490.96	101292.67	151439.14	151230.36	215857776	17572779	21612523	21623671
<b>Total Digital Payments (1+2+3+4+5)</b>	1139381.68	100738.77	150891.97	150688.48	208684872	17007089	21028871	21021041

PART II - Payment Modes and Channels

System	Volume (Lakh)				Value (₹ Crore)			
	FY 2022-23	2023	2024		FY 2022-23	2023	2024	
		Feb.	Jan.	Feb.		Feb.	Jan.	Feb.
	1	2	3	4	5	6	7	8
<b>A. Other Payment Channels</b>								
<b>1 Mobile Payments (mobile app based) (1.1 to 1.2)</b>								
1.1 Intra-bank \$	805338.23	72542.86	117854.93	117275.04	22031628	1930129	2815296	2828112
1.2 Inter-bank \$	62306.61	5107.77	7654.37	7774.97	4191430	353815	524854	530845
2 Internet Payments (Netbanking / Internet Browser Based) @ (2.1 to 2.2)	743031.61	67435.09	110200.56	109500.07	17840197	1576314	2290441	2297267
2.1 Intra-bank @	42630.64	3319.04	3837.71	3800.36	91539296	7380904	9123990	8867591
2.2 Inter-bank @	10703.78	834.55	1028.04	1008.05	53506133	4172937	4767036	4540083
3 Cash Withdrawal at ATMs \$ (3.1 to 3.3)	31926.86	2484.49	2809.67	2792.31	38033163	3207966	4356954	4327508
3.1 Using Credit Cards \$	69468.87	5472.33	5306.01	5171.94	3305008	263681	260746	257228
3.2 Using Debit Cards \$	88.37	7.39	8.26	7.91	4296	358	404	395
3.3 Using Pre-paid Cards \$	68975.18	5433.46	5272.19	5138.76	3286749	262098	259326	255798
4 Cash Withdrawal at PoS \$ (4.1 to 4.2)	405.32	31.47	25.56	25.27	13963	1225	1016	1035
4.1 Using Debit Cards \$	27.73	2.17	0.65	0.55	278	21	6	5
4.2 Using Pre-paid Cards \$	27.41	2.16	0.64	0.53	276	21	6	5
5 Cash Withdrawal at Micro ATMs @	0.33	0.01	0.02	0.01	2	0	0	0
5.1 AePS @	12375.16	918.44	839.66	812.15	333966	25483	22351	21543
	12375.16	918.44	839.66	812.15	333966	25483	22351	21543

PART III - Payment Infrastructures (Lakh)

System	As on March 2023	2023	2024	
		Feb.	Jan.	Feb.
	1	2	3	4
<b>Payment System Infrastructures</b>				
<b>1 Number of Cards (1.1 to 1.2)</b>				
1.1 Credit Cards	10465.62	10374.87	10570.66	10612.71
1.2 Debit Cards	853.03	833.66	995.00	1006.00
2 Number of PPIs @ (2.1 to 2.2)	9612.59	9541.22	9575.66	9606.71
2.1 Wallets @	16185.22	16109.65	17676.26	17118.56
2.2 Cards @	13384.65	13335.10	14396.94	13795.76
3 Number of ATMs (3.1 to 3.2)	2800.57	2774.55	3279.32	3322.80
3.1 Bank owned ATMs \$	2.59	2.57	2.58	2.57
3.2 White Label ATMs \$	2.23	2.21	2.24	2.23
4 Number of Micro ATMs @	0.36	0.36	0.34	0.34
5 Number of PoS Terminals	16.11	15.59	17.60	17.01
6 Bharat QR @	77.90	77.58	85.93	87.73
7 UPI QR *	53.82	52.22	60.04	61.50
	2563.77	2500.89	3213.79	3371.80

@: 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.

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

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.

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.