

## Payment and Settlement Systems

## No.43: Payment System Indicators

## PART I - Payment System Indicators - Payment &amp; Settlement System Statistics

System	Volume (Lakh)				Value (₹ Crore)					
	FY 2022-23	2022		2023		FY 2022-23	2022		2023	
		Nov.	Oct.	Nov.	Oct.		Nov.	Oct.	Nov.	
	1	2	3	4	5	6	7	8		
<b>A. Settlement Systems</b>										
<b>Financial Market Infrastructures (FMIs)</b>										
<b>1 CCIL Operated Systems (1.1 to 1.3)</b>	41.44	3.67	3.31	3.08	258797336	22488758	21422005	21011085		
1.1 Govt. Securities Clearing (1.1.1 to 1.1.3)	15.00	1.26	1.26	1.24	172251292	15457897	13902085	13568124		
1.1.1 Outright	7.99	0.66	0.66	0.64	10090700	759097	889349	939382		
1.1.2 Repo	4.07	0.36	0.40	0.41	68032487	6039868	5760793	5919154		
1.1.3 Tri-party Repo	2.94	0.23	0.20	0.19	94128105	8658933	7251944	6709589		
1.2 Forex Clearing	25.16	2.33	1.96	1.74	78932050	6577286	7018310	6922315		
1.3 Rupee Derivatives @	1.27	0.08	0.10	0.10	7613994	453575	501610	520645		
<b>B. Payment Systems</b>										
<b>I Financial Market Infrastructures (FMIs)</b>	-	-	-	-	-	-	-	-		
<b>1 Credit Transfers - RTGS (1.1 to 1.2)</b>	2425.62	206.46	224.62	219.20	149946286	12291749	13464400	13591443		
1.1 Customer Transactions	2411.19	205.30	223.48	218.05	131667176	10691727	11899324	12078797		
1.2 Interbank Transactions	14.43	1.16	1.14	1.15	18279111	1600022	1565076	1512645		
<b>II Retail</b>										
<b>2 Credit Transfers - Retail (2.1 to 2.6)</b>	983620.84	84557.58	128356.32	128072.73	55009620	4527540	5667254	5673303		
2.1 AePS (Fund Transfers) @	5.90	0.51	0.31	0.30	356	29	20	19		
2.2 APBS S	17833.95	1065.62	1745.79	3221.01	247535	9460	19666	47635		
2.3 IMPS	56532.64	4634.80	4928.80	4723.84	5585441	454679	538239	535002		
2.4 NACH Cr S	19257.19	1373.88	1278.99	1380.65	1541815	141901	131546	142415		
2.5 NEFT	52847.43	4388.30	6314.53	6394.01	33719541	2730878	3262015	3208491		
2.6 UPI @	837143.73	73094.47	114087.90	112352.92	13914932	1190593	1715768	1739741		
2.6.1 of which USSD @	17.21	1.79	2.63	2.69	197	19	38	37		
<b>3 Debit Transfers and Direct Debits (3.1 to 3.3)</b>	15343.05	1316.60	1499.66	1527.84	1289611	110181	139050	142456		
3.1 BHIM Aadhaar Pay @	214.22	14.52	15.14	18.82	6791	475	525	590		
3.2 NACH Dr S	13502.52	1164.17	1348.29	1376.66	1280219	109479	138287	141646		
3.3 NETC (linked to bank account) @	1626.31	137.91	136.23	132.36	2601	227	238	220		
<b>4 Card Payments (4.1 to 4.2)</b>	63324.72	4956.02	5104.71	4742.56	2152245	170388	230670	210038		
4.1 Credit Cards (4.1.1 to 4.1.2)	29145.24	2347.73	3200.48	2970.90	1432255	114794	178569	160644		
4.1.1 PoS based S	15598.46	1275.99	1596.74	1583.66	541932	43456	57774	59015		
4.1.2 Others S	13546.79	1071.74	1603.73	1387.24	890323	71338	120795	101629		
4.2 Debit Cards (4.2.1 to 4.2.1 )	34179.48	2608.28	1904.23	1771.66	719989	55594	52101	49394		
4.2.1 PoS based S	22904.86	1779.46	1375.28	1301.95	476520	37238	33731	34379		
4.2.2 Others S	11274.61	828.82	528.95	469.71	243470	18355	18370	15015		
<b>5 Prepaid Payment Instruments (5.1 to 5.2)</b>	74667.44	6075.20	6687.84	6510.09	287111	22808	25012	24248		
5.1 Wallets	59112.76	4730.07	5301.96	5274.31	221896	17342	20630	19830		
<b>5.2 Cards (5.2.1 to 5.2.2)</b>	15554.69	1345.14	1385.88	1235.79	65215	5466	4382	4418		
5.2.1 PoS based S	1013.09	77.72	750.95	683.31	14777	1039	884	906		
5.2.2 Others S	14541.60	1267.42	634.93	552.47	50438	4428	3498	3512		
<b>6 Paper-based Instruments (6.1 to 6.2)</b>	7109.28	592.55	559.90	525.55	7172904	585389	584454	558866		
6.1 CTS (NPCI Managed)	7109.28	592.55	559.90	525.55	7172904	585389	584454	558866		
6.2 Others	0.00	-	-	-	-	-	-	-		
<b>Total - Retail Payments (2+3+4+5+6)</b>	1144065.34	97497.95	142208.43	141378.76	65911490	5416306	6646440	6608910		
<b>Total Payments (1+2+3+4+5+6)</b>	1146490.96	97704.41	142433.05	141597.96	215857776	17708056	20110841	20200353		
<b>Total Digital Payments (1+2+3+4+5)</b>	1139381.68	97111.86	141873.15	141072.41	208684872	17122666	19526387	19641487		

## PART II - Payment Modes and Channels

System	Volume (Lakh)				Value (₹ Crore)			
	FY 2022-23	2022	2023		FY 2022-23	2022	2023	
		Nov.	Oct.	Nov.		Nov.	Oct.	Nov.
	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>	805338.23	70188.36	109334.05	108174.37	22031628	1874436	2619086	2641046
1.1 Intra-bank \$	62306.61	5342.59	6877.68	6927.98	4191430	355045	474253	478327
1.2 Inter-bank \$	743031.61	64845.77	102456.37	101246.39	17840197	1519391	2144833	2162720
<b>2 Internet Payments (Netbanking / Internet Browser Based) @ (2.1 to 2.2)</b>	42630.64	3486.07	3736.00	3622.58	91539296	7786127	8464802	8033440
2.1 Intra-bank @	10703.78	870.33	983.50	988.62	53506133	4606598	4400612	4130936
2.2 Inter-bank @	31926.86	2615.74	2752.51	2633.96	38033163	3179529	4064190	3902504
<b>B. ATMs</b>								
<b>3 Cash Withdrawal at ATMs \$ (3.1 to 3.3)</b>	69468.87	5608.38	5721.32	5542.64	3305008	265636	277832	276530
3.1 Using Credit Cards \$	88.37	7.59	8.54	7.89	4296	367	413	391
3.2 Using Debit Cards \$	68975.18	5568.42	5683.38	5505.75	3286749	264180	276289	275032
3.3 Using Pre-paid Cards \$	405.32	32.36	29.40	28.99	13963	1089	1130	1107
<b>4 Cash Withdrawal at PoS \$ (4.1 to 4.2)</b>	27.73	2.29	0.85	0.75	278	22	8	7
4.1 Using Debit Cards \$	27.41	2.26	0.84	0.75	276	22	8	7
4.2 Using Pre-paid Cards \$	0.33	0.02	0.01	0.01	2	0	0	0
<b>5 Cash Withdrawal at Micro ATMs @</b>	12375.16	944.92	986.49	1079.59	333966	25541	25378	28972
5.1 AePS @	12375.16	944.92	986.49	1079.59	333966	25541	25378	28972

## PART III - Payment Infrastructures (Lakh)

System	As on March 2023	2022	2023	
		Nov.	Oct.	Nov.
	1	2	3	4
<b>Payment System Infrastructures</b>				
<b>1 Number of Cards (1.1 to 1.2)</b>	10465.62	10283.35	10748.82	10751.32
1.1 Credit Cards	853.03	806.06	947.11	960.01
1.2 Debit Cards	9612.59	9477.29	9801.71	9791.30
<b>2 Number of PPIs @ (2.1 to 2.2)</b>	16185.22	16098.32	16830.82	16944.42
2.1 Wallets @	13384.65	13269.83	13576.88	13693.59
2.2 Cards @	2800.57	2828.48	3253.93	3250.83
<b>3 Number of ATMs (3.1 to 3.2)</b>	2.59	2.55	2.58	2.58
3.1 Bank owned ATMs \$	2.23	2.20	2.23	2.24
3.2 White Label ATMs \$	0.36	0.36	0.35	0.34
<b>4 Number of Micro ATMs @</b>	16.11	13.34	15.30	15.87
<b>5 Number of PoS Terminals</b>	77.90	73.52	83.48	84.32
<b>6 Bharat QR @</b>	53.82	48.25	59.75	58.74
<b>7 UPI QR *</b>	2563.77	2302.87	3017.20	3087.39

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