

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	
		Dec.	Nov.	Dec.	Dec.		Dec.	Nov.	Dec.	
	1	2	3	4	5	6	7	8		
A. Settlement Systems										
Financial Market Infrastructures (FMIs)										
I CCIL Operated Systems (1.1 to 1.3)	41.44	3.42	3.08	3.41	258797336	22326077	21011085	22228644		
1.1 Govt. Securities Clearing (1.1.1 to 1.1.3)	15.00	1.19	1.24	1.29	172251292	15144169	13568124	14220985		
1.1.1 Outright	7.99	0.60	0.64	0.69	10090700	711065	939382	1009116		
1.1.2 Repo	4.07	0.36	0.41	0.40	68032487	6125370	5919154	5903343		
1.1.3 Tri-party Repo	2.94	0.23	0.19	0.20	94128105	8307734	6709589	7308526		
1.2 Forex Clearing	25.16	2.16	1.74	2.01	78932050	6670289	6922315	7392675		
1.3 Rupee Derivatives @	1.27	0.07	0.10	0.11	7613994	511620	520645	614984		
B. Payment Systems										
Financial Market Infrastructures (FMIs)	-	-	-	-	-	-	-	-		
I Credit Transfers - RTGS (1.1 to 1.2)	2425.62	215.03	219.20	230.39	149946286	13736057	13591443	15888778		
1.1 Customer Transactions	2411.19	213.80	218.05	229.23	131667176	12180091	12078797	14244586		
1.2 Interbank Transactions	14.43	1.23	1.15	1.16	18279111	1555966	1512645	1644192		
II Retail										
2 Credit Transfers - Retail (2.1 to 2.6)	983620.84	90675.95	128072.73	134755.92	55009620	4928331	5673303	5917191		
2.1 AePS (Fund Transfers) @	5.90	0.32	0.30	0.32	356	21	19	23		
2.2 APBS S	17833.95	1157.66	3221.01	1580.49	247535	20670	47635	27013		
2.3 IMPS	56532.64	4858.37	4723.84	4987.93	5585441	486552	535002	570126		
2.4 NACH Cr S	19257.19	1515.84	1380.65	1310.99	1541815	157435	142415	128244		
2.5 NEFT	52847.43	4854.81	6394.01	6673.93	33719541	2981681	3208491	3368836		
2.6 UPI @	837143.73	78288.95	112352.92	120202.26	13914932	1281971	1739741	1822949		
2.6.1 of which USSD @	17.21	1.92	2.69	2.06	197	21	37	26		
3 Debit Transfers and Direct Debits (3.1 to 3.3)	15343.05	1357.72	1527.84	1557.74	1289611	116425	142456	152705		
3.1 BHIM Aadhaar Pay @	214.22	12.71	18.82	14.09	6791	446	590	478		
3.2 NACH Dr S	13502.52	1198.55	1376.66	1403.46	1280219	115737	141646	151991		
3.3 NETC (linked to bank account) @	1626.31	146.46	132.36	140.19	2601	242	220	237		
4 Card Payments (4.1 to 4.2)	63324.72	5223.57	4742.56	4983.16	2152245	185150	210038	213058		
4.1 Credit Cards (4.1.1 to 4.1.2)	29145.24	2556.47	2970.90	3215.00	1432255	126524	160644	165119		
4.1.1 PoS based S	15598.46	1405.79	1583.66	1706.70	541932	48611	59015	58300		
4.1.2 Others S	13546.79	1150.68	1387.24	1508.29	890323	77913	101629	106819		
4.2 Debit Cards (4.2.1 to 4.2.1)	34179.48	2667.10	1771.66	1768.17	719989	58626	49394	47939		
4.2.1 PoS based S	22904.86	1859.33	1301.95	1302.84	476520	39574	34379	32254		
4.2.2 Others S	11274.61	807.77	469.71	465.32	243470	19052	15015	15684		
5 Prepaid Payment Instruments (5.1 to 5.2)	74667.44	6354.65	6510.09	7235.20	287111	22648	24248	26173		
5.1 Wallets	59112.76	5012.71	5308.63	5960.57	221896	18400	19853	21732		
5.2 Cards (5.2.1 to 5.2.2)	15554.69	1341.94	1201.46	1274.63	65215	4248	4394	4441		
5.2.1 PoS based S	1013.09	61.58	662.14	709.65	14777	722	891	915		
5.2.2 Others S	14541.60	1280.37	539.32	564.98	50438	3527	3504	3526		
6 Paper-based Instruments (6.1 to 6.2)	7109.28	608.14	525.55	547.23	7172904	619903	558866	592972		
6.1 CTS (NPCI Managed)	7109.28	608.14	525.55	547.23	7172904	619903	558866	592972		
6.2 Others	0.00	-	-	-	-	-	-	-		
Total - Retail Payments (2+3+4+5+6)	1144065.34	104220.03	141378.76	149079.25	65911490	5872457	6608910	6902099		
Total Payments (1+2+3+4+5+6)	1146490.96	104435.06	141597.96	149309.63	215857776	19608515	20200353	22790877		
Total Digital Payments (1+2+3+4+5)	1139381.68	103826.92	141072.41	148762.40	208684872	18988611	19641487	22197905		

PART II - Payment Modes and Channels

System	Volume (Lakh)				Value (₹ Crore)			
	FY 2022-23	2022	2023		FY 2022-23	2022	2023	
		Dec.	Nov.	Dec.		Dec.	Nov.	Dec.
	1	2	3	4	5	6	7	8
A. Other Payment Channels								
1 Mobile Payments (mobile app based) (1.1 to 1.2)	805338.23	74415.83	108174.95	115823.37	22031628	1991763	2641060	2798250
1.1 Intra-bank S	62306.61	5560.78	6927.98	7372.04	4191430	375775	478326	508669
1.2 Inter-bank S	743031.61	68855.05	101246.97	108451.33	17840197	1615988	2162734	2289581
2 Internet Payments (Netbanking / Internet Browser Based) @ (2.1 to 2.2)	42630.64	3661.95	3622.58	3836.26	91539296	8544692	8033440	9388569
2.1 Intra-bank @	10703.78	949.91	988.62	1050.96	53506133	4926079	4130936	4862519
2.2 Inter-bank @	31926.86	2712.04	2633.96	2785.31	38033163	3618612	3902504	4526051
B. ATMs								
3 Cash Withdrawal at ATMs S (3.1 to 3.3)	69468.87	5891.78	5542.64	5463.57	3305008	280465	276530	269287
3.1 Using Credit Cards S	88.37	8.13	7.89	8.19	4296	392	391	405
3.2 Using Debit Cards S	68975.18	5850.33	5505.75	5428.44	3286749	278927	275032	267841
3.3 Using Pre-paid Cards S	405.32	33.33	28.99	26.94	13963	1146	1107	1041
4 Cash Withdrawal at PoS S (4.1 to 4.2)	27.73	2.37	0.75	0.66	278	23	7	6
4.1 Using Debit Cards S	27.41	2.36	0.75	0.66	276	23	7	6
4.2 Using Pre-paid Cards S	0.33	0.02	0.01	0.00	2	0	0	0
5 Cash Withdrawal at Micro ATMs @	12375.16	934.53	1079.59	929.51	333966	25484	28972	24592
5.1 AePS @	12375.16	934.53	1079.59	929.51	333966	25484	28972	24592

PART III - Payment Infrastructures (Lakh)

System	As on March 2023	2022	2023	
		Dec.	Nov.	Dec.
	1	2	3	4
Payment System Infrastructures				
1 Number of Cards (1.1 to 1.2)	10465.62	10206.53	10725.00	10587.99
1.1 Credit Cards	853.03	811.87	960.01	979.05
1.2 Debit Cards	9612.59	9394.66	9764.99	9608.94
2 Number of PPIs @ (2.1 to 2.2)	16185.22	16234.69	16944.31	17544.34
2.1 Wallets @	13384.65	13346.64	13758.21	14293.01
2.2 Cards @	2800.57	2888.05	3186.10	3251.33
3 Number of ATMs (3.1 to 3.2)	2.59	2.57	2.58	2.58
3.1 Bank owned ATMs S	2.23	2.20	2.24	2.24
3.2 White Label ATMs S	0.36	0.37	0.34	0.34
4 Number of Micro ATMs @	16.11	14.19	15.87	16.89
5 Number of PoS Terminals	77.90	75.50	84.32	85.67
6 Bharat QR @	53.82	49.59	58.74	59.57
7 UPI QR *	2563.77	2361.82	3087.39	3170.66

@: New inclusion w.e.f. November 2019

#: Data reported by Co-operative Banks, LABs and RRBs included with effect from December 2021.

S : 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.