

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 2021-22	2022	2023	
		Mar.	Feb.	Mar.		Mar.	Feb.	Mar.
	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	3.25	3.51	3.66	258797336	20588727	22281370	22458408
1.1 Govt. Securities Clearing (1.1.1 to 1.1.3)	15.00	1.04	1.27	1.25	172251292	13682354	14888685	14269424
1.1.1 Outright	7.99	0.46	0.68	0.65	10090700	660443	895740	952079
1.1.2 Repo	4.07	0.30	0.38	0.40	68032487	5341282	6436404	6682508
1.1.3 Tri-party Repo	2.94	0.27	0.21	0.20	94128105	7680629	7556541	6634836
1.2 Forex Clearing	25.16	2.11	2.11	2.28	78932050	6232193	6602897	7329087
1.3 Rupee Derivatives @	1.27	0.11	0.13	0.13	7613994	674180	789788	859897
B. Payment Systems								
I Financial Market Infrastructures (FMIs)	–	–	–	–	–	–	–	–
1 Credit Transfers - RTGS (1.1 to 1.2)	2425.62	230.04	200.50	248.01	149946286	14458955	12053579	16122902
1.1 Customer Transactions	2411.19	228.68	199.35	246.66	131667176	13069669	10566198	14416322
1.2 Interbank Transactions	14.43	1.36	1.14	1.35	18279111	1389286	1487381	1706580
II Retail								
2 Credit Transfers - Retail (2.1 to 2.6)	983694.78	66517.82	88613.03	100851.12	55012192	5062466	4650034	5906936
2.1 AePS (Fund Transfers) @	5.90	0.56	0.31	0.36	356	35	22	24
2.2 APBS \$	17898.09	1400.66	2584.03	1932.07	247580	15565	35514	26400
2.3 IMPS	56532.64	4920.01	4478.13	4970.56	5585441	462279	468647	546235
2.4 NACH Cr \$	19267.00	1825.88	1527.38	1962.73	1544342	131428	134032	178757
2.5 NEFT	52847.43	4314.20	4675.61	5469.06	33719541	3492578	2775972	3750569
2.6 UPI @	837143.73	54056.51	75347.57	86516.34	13914932	960582	1235847	1404951
2.6.1 of which USSD @	17.21	0.91	1.51	1.50	197	12	17	18
3 Debit Transfers and Direct Debits (3.1 to 3.3)	15343.22	1136.67	1360.85	1403.39	1289393	98645	115315	126113
3.1 BHIM Aadhaar Pay @	214.22	19.47	11.50	12.92	6791	640	454	492
3.2 NACH Dr \$	13502.69	979.27	1210.19	1246.53	1280001	97801	114630	125376
3.3 NETC (linked to bank account) @	1626.31	137.93	139.16	143.94	2601	204	231	246
4 Card Payments (4.1 to 4.2)	63331.67	5512.70	4588.51	5003.95	2152016	171159	168378	190626
4.1 Credit Cards (4.1.1 to 4.1.2)	29145.25	2237.51	2323.20	2634.29	1432255	107107	118684	137311
4.1.1 PoS based \$	15598.70	1134.33	1255.88	1404.60	541944	38777	44611	50920
4.1.2 Others \$	13546.54	1103.18	1067.32	1229.69	890311	68330	74073	86391
4.2 Debit Cards (4.2.1 to 4.2.1)	34186.42	3275.19	2265.31	2369.66	719760	64052	49693	53315
4.2.1 PoS based \$	22893.88	2078.45	1581.95	1628.85	476161	40770	33432	34691
4.2.2 Others \$	11292.54	1196.73	683.36	740.82	243599	23282	16261	18624
5 Prepaid Payment Instruments (5.1 to 5.2)	74667.44	6469.96	6050.89	6225.98	287111	25615	22399	22988
5.1 Wallets	59112.76	5016.86	4929.04	5036.24	221896	20054	18356	18801
5.2 Cards (5.2.1 to 5.2.2)	15554.69	1453.10	1121.85	1189.74	65215	5561	4043	4188
5.2.1 PoS based \$	1013.09	164.77	63.07	64.17	14777	2860	792	825
5.2.2 Others \$	14541.60	1288.34	1058.78	1125.57	50438	2701	3251	3363
6 Paper-based Instruments (6.1 to 6.2)	7087.81	702.93	538.79	642.40	7162537	694335	554113	701109
6.1 CTS (NPCI Managed)	7087.81	702.93	538.79	642.40	7162537	694335	554113	701109
6.2 Others	0.00	–	–	–	–	–	–	–
Total - Retail Payments (2+3+4+5+6)	1144124.92	80340.08	101152.07	114126.84	65903249	6052221	5510239	6947772
Total Payments (1+2+3+4+5+6)	1146550.54	80570.12	101352.56	114374.85	215849535	20511176	17563818	23070674
Total Digital Payments (1+2+3+4+5)	1139462.73	79867.19	100813.78	113732.45	208686998	19816841	17009704	22369565

PART II - Payment Modes and Channels

System	Volume (Lakh)				Value (₹ Crore)			
	FY 2022-23	2022	2023		FY 2022-23	2022	2023	
		Mar.	Feb.	Mar.		Mar.	Feb.	Mar.
	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 \$	904589.17	57121.32	82667.18	92896.30	23341498	1648626	2068090	2401075
1.2 Inter-bank \$	62306.62	4218.03	5107.77	5868.83	4191430	298559	353815	436885
2 Internet Payments (Netbanking / Internet Browser Based) @ (2.1 to 2.2)	842282.55	52903.29	77559.40	87027.47	19150068	1350067	1714274	1964190
2.1 Intra-bank @	42630.64	3924.86	3319.04	3879.51	91539296	8850603	7380904	8981727
2.2 Inter-bank @	10703.78	962.84	834.55	987.21	53506133	5341587	4172937	4769894
3.1 Inter-bank @	31926.86	2962.02	2484.49	2892.30	38033163	3509016	3207966	4211833
B. ATMs								
3 Cash Withdrawal at ATMs \$ (3.1 to 3.3)								
3.1 Using Credit Cards \$	69456.67	5966.82	5471.86	5914.54	3304574	287373	263673	286347
3.2 Using Debit Cards \$	88.28	6.80	7.39	8.18	4291	344	358	396
3.3 Using Pre-paid Cards \$	68963.07	5927.87	5433.00	5871.80	3286320	285893	262090	284540
4 Cash Withdrawal at PoS \$ (4.1 to 4.2)	405.32	32.15	31.47	34.56	13963	1137	1225	1411
4.1 Using Debit Cards \$	27.80	2.30	2.18	2.33	284	22	22	24
4.2 Using Pre-paid Cards \$	27.47	2.21	2.17	2.32	282	21	22	23
5 Cash Withdrawal at Micro ATMs @	0.33	0.09	0.01	0.02	2	0	0	0
5.1 AePS @	12375.16	1032.68	918.44	1083.61	333966	28479	25483	30015
	12375.16	1032.68	918.44	1083.61	333966	28479	25483	30015

PART III - Payment Infrastructures (Lakh)

System	As on March 2023	2022	2023	
		Mar.	Feb.	Mar.
	1	2	3	4
Payment System Infrastructures				
1 Number of Cards (1.1 to 1.2)				
1.1 Credit Cards	10465.62	9912.93	10374.87	10465.62
1.2 Debit Cards	853.03	736.27	833.66	853.03
2 Number of PPIs @ (2.1 to 2.2)	9612.59	9176.66	9541.22	9612.59
2.1 Wallets @	16185.26	15553.69	16109.65	16185.26
2.2 Cards @	13384.68	12787.93	13335.10	13384.68
3 Number of ATMs (3.1 to 3.2)	2800.58	2765.76	2774.55	2800.58
3.1 Bank owned ATMs \$	2.59	2.52	2.57	2.59
3.2 White Label ATMs \$	2.23	2.20	2.21	2.23
4 Number of Micro ATMs @	0.36	0.31	0.36	0.36
5 Number of PoS Terminals	16.11	9.16	15.59	16.11
6 Bharat QR @	77.90	60.70	77.58	77.90
7 UPI QR *	61.42	49.72	52.22	61.42
	2563.77	1727.34	2500.89	2563.77

@: 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.