

Payment and Settlement Systems

No.43: Payment System Indicators

PART I - Payment System Indicators - Payment & Settlement System Statistics

System	Volume (Lakh)				Value (₹ Crore)			
	FY 2020-21	2020	2021		FY 2020-21	2020	2021	
		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)	27.97	3.14	2.44	2.92	161943141	13808922	15872384	17383479
1.1 Govt. Securities Clearing (1.1.1 to 1.1.3)	11.55	1.27	0.95	0.91	110634315	8427404	10901991	11182301
1.1.1 Outright	6.28	0.86	0.47	0.42	10032187	1306083	681845	678873
1.1.2 Repo	2.84	0.23	0.24	0.26	43751173	3096901	3678988	4362390
1.1.3 Tri-party Repo	2.43	0.19	0.24	0.23	56850956	4024420	6541158	6141037
1.2 Forex Clearing	16.04	1.82	1.44	1.95	48903961	5034489	4629628	5828078
1.3 Rupee Derivatives @	0.38	0.04	0.05	0.06	2404865	347030	340765	373100
B. Payment Systems								
I Financial Market Infrastructures (FMIs)	—	—	—	—	—	—	—	—
1 Credit Transfers - RTGS (1.1 to 1.2)	1591.92	118.95	157.70	202.35	105599849	12047221	9050425	12982215
1.1 Customer Transactions	1573.47	117.06	156.20	200.70	91008367	10368946	7645510	11427958
1.2 Interbank Transactions	18.45	1.89	1.50	1.65	14591482	1678274	1404916	1554257
II Retail								
2 Credit Transfers - Retail (2.1 to 2.6)	317851.82	19743.26	30592.16	37208.47	33522150	2831185	2936833	4053692
2.1 AePS (Fund Transfers) @	11.32	0.66	0.92	1.16	623	36	54	72
2.2 APBS \$	14372.99	1247.79	835.54	1128.83	112747	7951	5369	11086
2.3 IMPS	32783.47	2168.23	3189.73	3631.44	2941500	201962	275230	327236
2.4 NACH Cr \$	16449.51	1234.43	815.96	1648.80	1232714	131109	78273	164083
2.5 NEFT	30927.89	2623.70	2821.07	3481.39	25130910	2283665	2152844	3046329
2.6 UPI @	223306.64	12468.45	22928.94	27316.85	4103658	206462	425063	504886
2.6.1 of which USSD @	10.45	0.68	0.82	0.94	172	12	13	15
3 Debit Transfers and Direct Debits (3.1 to 3.3)	10440.40	818.06	861.58	1023.06	872399	76126	76497	86351
3.1 BHIM Aadhaar Pay @	160.84	8.88	9.33	12.92	2580	141	223	346
3.2 NACH Dr \$	9629.61	791.30	781.07	904.64	868906	75952	76185	85851
3.3 NETC (linked to bank account) @	649.96	17.88	71.18	105.50	913	33	88	154
4 Card Payments (4.1 to 4.2)	57841.30	5246.70	5067.32	5681.24	1293080	98783	119582	139715
4.1 Credit Cards (4.1.1 to 4.1.2)	17641.06	1638.57	1613.77	1887.27	630414	50574	60105	72319
4.1.1 PoS based \$	8688.81	900.64	863.91	1012.86	280769	26656	27754	33286
4.1.2 Others \$	8952.25	737.93	749.87	874.41	349645	23918	32350	39033
4.2 Debit Cards (4.2.1 to 4.2.1)	40200.24	3608.13	3453.55	3793.97	662667	48209	59478	67396
4.2.1 PoS based \$	20805.24	1925.25	2013.95	2240.07	378044	27238	37465	42816
4.2.2 Others \$	19395.00	1682.88	1439.60	1553.89	284623	20971	22013	24580
5 Prepaid Payment Instruments (5.1 to 5.2)	49392.26	3982.85	4519.80	5154.57	197695	15341	18274	21371
5.1 Wallets	39987.01	3178.60	3652.79	4182.92	152065	13111	12742	14856
5.2 Cards (5.2.1 to 5.2.2)	9405.25	804.25	867.00	971.65	45630	2229	5532	6515
5.2.1 PoS based \$	437.31	81.02	35.79	42.20	11639	1021	1257	1579
5.2.2 Others \$	8967.94	723.23	831.21	929.45	33992	1209	4275	4937
6 Paper-based Instruments (6.1 to 6.2)	6703.70	710.34	636.07	806.59	5627189	565315	547109	722031
6.1 CTS (NPCI Managed)	6702.53	710.01	636.07	806.59	5625941	565046	547109	722031
6.2 Others	1.17	0.33	0.00	0.00	1249	269	—	—
Total - Retail Payments (2+3+4+5+6)	442229.48	30501.21	41676.93	49873.93	41512514	3586750	3698295	5023161
Total Payments (1+2+3+4+5+6)	443821.40	30620.16	41834.63	50076.28	147112363	15633971	12748721	18005375
Total Digital Payments (1+2+3+4+5)	437117.70	29909.81	41198.56	49269.69	141485173	15068656	12201612	17283344

PART II - Payment Modes and Channels

System	Volume (Lakh)				Value (₹ Crore)			
	FY 2020-21	2020	2021		FY 2020-21	2020	2021	
		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 \$	252364.97	13830.33	24274.50	32971.49	9089832	520199	931529	1246220
1.2 Inter-bank \$	25130.99	1287.27	2345.81	4852.88	1865484	109624	186602	270764
2.2 Inter-bank \$	227233.98	12543.06	21928.69	28118.60	7224348	410575	744927	975456
2 Internet Payments (Netbanking / Internet Browser Based) @ (2.1 to 2.2)								
2.1 Intra-bank @	32483.42	2530.83	2900.22	3390.80	41534334	3421077	3999196	4976087
2.2 Inter-bank @	6886	584.09	580.98	707.26	20601554	1595574	2076458	2355028
2.2 Inter-bank @	25597.27	1946.74	2319.24	2683.55	20932780	1825503	1922739	2621059
B. ATMs								
3 Cash Withdrawal at ATMs \$ (3.1 to 3.3)								
3.1 Using Credit Cards \$	60905.79	5444.16	5534.33	6040.00	2889825	248574	259249	285267
3.1 Using Credit Cards \$	51.41	7.54	4.98	5.92	2560	360	253	307
3.2 Using Debit Cards \$	60602.23	5413.75	5506.07	6007.92	2878025	247429	258100	283955
3.3 Using Pre-paid Cards \$	252.15	22.87	23.28	26.16	9239	785	895	1006
4 Cash Withdrawal at PoS \$ (4.1 to 4.2)								
4.1 Using Debit Cards \$	394.60	33.69	21.79	22.38	1532	110	117	119
4.2 Using Pre-paid Cards \$	353.33	30.55	19.81	19.49	1483	105	114	114
4.2 Using Pre-paid Cards \$	41.27	3.14	1.98	2.90	49	5	3	5
5 Cash Withdrawal at Micro ATMs @								
5.1 AePS @	9460.43	344.98	656.57	763.86	225420	9993	18381	22276
5.1 AePS @	9460.43	344.98	656.57	763.86	225420	9993	18381	22276

PART III - Payment Infrastructures (Lakh)

System	As on March 2021	2020	2021	
		Mar.	Feb.	Mar.
	1	2	3	4
Payment System Infrastructures				
1 Number of Cards (1.1 to 1.2)				
1.1 Credit Cards	9602.51	8863.07	9556.49	9602.51
1.1 Credit Cards	620.49	577.45	616.47	620.49
1.2 Debit Cards	8982.02	8285.62	8940.02	8982.02
2 Number of PPIs @ (2.1 to 2.2)				
2.1 Wallets @	21951.37	18251.64	21556.23	21951.37
2.1 Wallets @	20052.10	17032.85	19733.68	20052.10
2.2 Cards @	1899.27	1218.79	1822.56	1899.27
3 Number of ATMs (3.1 to 3.2)				
3.1 Bank owned ATMs \$	2.39	2.34	2.35	2.39
3.1 Bank owned ATMs \$	2.14	2.11	2.10	2.14
3.2 White Label ATMs \$	0.25	0.24	0.25	0.25
4 Number of Micro ATMs @				
4.04	4.04	2.71	3.73	4.04
5 Number of PoS Terminals				
47.20	47.20	43.71	47.15	47.20
6 Bharat QR @				
35.70	35.70	20.28	34.92	35.70
7 UPI QR *				
925.22	925.22	-	875.86	925.22

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

\$: 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.