

NPS Trust A/c - UTI Retirement Solutions Limited - NPS LITE Scheme - Govt. Pattern

Fund Size (March 31, 2021) : Rs.1,241.53 Cr

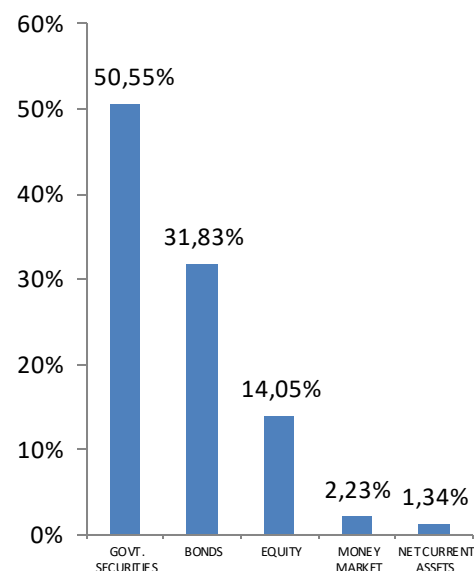
Date of Inception : October 04, 2010

NAV as on March 31, 2021 : Rs.28.0939

Annualised Return since Inception as on March 31, 2021 : 10.34% (CAGR)

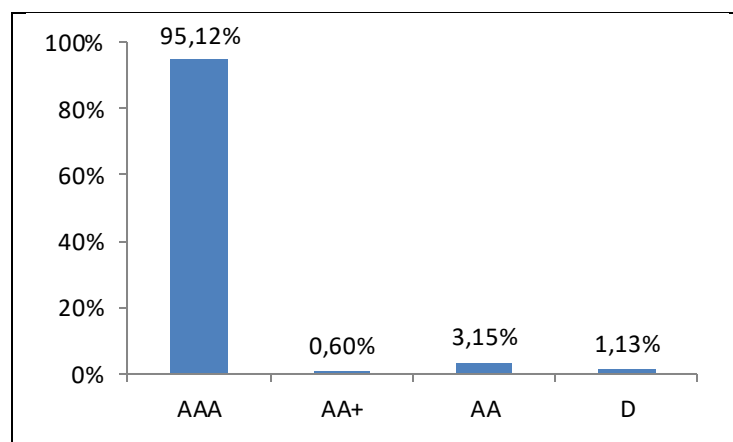
Component of AuM:

Asset Class (Break up)	As On March 31, 2021	
	Actual % of Investment	AUM (Rs. in Crore)
I (a) Govt. Securities (b) Other Securities unconditionally guaranteed by Central or any State Govt. (c) GILT Mutual Funds regulated by SEBI	50.55%	627.58
II (a) Debt Securities (b) Term Deposits Receipts (c) Rupee Bonds	31.83%	395.20
III Money market Instruments including money market mutual funds	2.23%	27.75
IV Equity Shares of Companies or Mutual Funds Equity Schemes	14.05%	174.39
V Others	1.34%	16.61
Total	100.00%	1241.53



Credit Quality of Debt Component:

Rating wise exposure in Bonds / NCDs		
Rating	As on March 31, 2021	
	Total Value	Exposure in %
AAA	375.95	95.12
AA+	2.36	0.60
AA	12.44	3.15
D	4.45	1.13
TOTAL	395.20	100.00



Name of the Pension Fund : UTI RETIREMENT SOLUTIONS LIMITED

Name of the Scheme : NPS TRUST A/C - UTI RETIREMENT SOLUTIONS LIMITED - NPS LITE SCHEME - GOVT. PATTERN

Portfolio Statement as on March 31, 2021

Name of the Instrument	ISIN No.	Industry Code **	Quantity	Mkt Value	% of Portfolio	Rating
Equity Instruments -						
Shares						
1. COAL INDIA EQUITY	INE522F01014	05102	31,354.00	4,086,993.90	0.03	
2. ONGC EQUITY	INE213A01029	06102	65,025.00	6,642,303.75	0.05	
3. NMDC EQUITY	INE584A01023	07100	31,631.00	4,281,255.85	0.03	
4. MARICO LIMITED EQUITY	INE196A01026	10402	60,800.00	25,007,040.00	0.20	
5. NESTLE INDIA EQUITY	INE239A01016	10502	480.00	8,239,296.00	0.07	
6. JUBILANT FOODWORKS EQUITY	INE797F01012	10799	3,700.00	10,770,515.00	0.09	
7. ITC EQUITY	INE154A01025	12003	321,309.00	70,206,016.50	0.57	
8. RELIANCE INDUSTRIES EQUITY	INE002A01018	19201	55,192.00	110,555,095.20	0.89	
9. BPCL EQUITY	INE029A01011	19201	40,000.00	17,118,000.00	0.14	
10. RELIANCE INDUSTRIES PARTLY PAID EQUITY SHARES	IN9002A01024	19201	5,106.00	5,568,093.00	0.04	
11. ASIAN PAINTS EQUITY	INE021A01026	20221	10,400.00	26,388,960.00	0.21	
12. HUL EQUITY	INE030A01027	20231	17,817.00	43,322,035.50	0.35	
13. SUN PHARMA EQUITY	INE044A01036	21002	49,885.00	29,821,253.00	0.24	
14. CIPLA EQUITY	INE059A01026	21002	27,600.00	22,496,760.00	0.18	
15. CADILA HEALTHCARE EQUITY	INE010B01027	21002	35,000.00	15,431,500.00	0.12	
16. DR. REDDY'S LAB EQUITY	INE089A01023	21002	3,300.00	14,902,800.00	0.12	
17. DIVI'S LABORATORIES EQUITY	INE361B01024	21002	3,800.00	13,766,640.00	0.11	
18. LUPIN EQUITY	INE326A01037	21002	4,209.00	4,295,074.05	0.03	
19. ULTRATECH CEMENT EQUITY	INE481G01011	23941	6,717.00	45,258,810.15	0.36	
20. ACC EQUITY	INE012A01025	23941	21,170.00	40,291,802.50	0.32	
21. AMBUJA CEMENT EQUITY	INE079A01024	23941	48,426.00	14,956,370.10	0.12	
22. TATA STEEL EQUITY	INE081A01012	24105	57,710.00	46,851,863.50	0.38	
23. CUMMINS INDIA LIMITED EQUITY	INE298A01020	28110	25,000.00	22,991,250.00	0.19	
24. MAHINDRA & MAHINDRA EQUITY	INE101A01026	28211	5,652.00	4,494,753.00	0.04	
25. MARUTI SUZUKI INDIA LTD. EQUITY	INE585B01010	29101	8,802.00	60,374,678.40	0.49	
26. TATA MOTORS EQUITY	INE155A01022	29102	71,172.00	21,479,709.60	0.17	
27. HERO MOTOCORP LIMITED EQUITY	INE158A01026	30911	6,956.00	20,267,001.60	0.16	
28. NTPC EQUITY	INE733E01010	35102	137,465.00	14,646,895.75	0.12	
29. GAIL EQUITY	INE129A01019	35202	103,018.00	13,958,939.00	0.11	
30. LARSEN & TOURBO EQUITY	INE018A01030	42909	59,201.00	84,000,298.90	0.68	
31. CONTAINER CORPORATION OF INDIA EQUITY	INE111A01025	52213	32,500.00	19,435,000.00	0.16	
32. BHARTI AIRTEL EQUITY	INE397D01024	61202	39,408.00	20,385,758.40	0.16	
33. INFOSYS TECH EQUITY	INE009A01021	62011	117,582.00	160,858,055.10	1.30	
34. TCS EQUITY	INE467B01029	62011	30,174.00	95,888,445.90	0.77	
35. TECH MAHINDRA EQUITY	INE669C01036	62011	21,199.00	21,017,748.55	0.17	
36. HCL TECHNOLOGIES EQUITY	INE860A01027	62011	17,000.00	16,705,050.00	0.13	
37. WIPRO EQUITY	INE075A01022	62011	27,000.00	11,182,050.00	0.09	
38. ICICI BANK EQUITY	INE090A01021	64191	248,452.00	144,623,909.20	1.16	
39. HDFC BANK EQUITY	INE040A01034	64191	67,708.00	101,132,054.20	0.81	
40. AXIS BANK EQUITY	INE238A01034	64191	105,005.00	73,235,737.25	0.59	
41. STATE BANK OF INDIA EQUITY	INE062A01020	64191	173,780.00	63,308,054.00	0.51	
42. KOTAK MAHINDRA BANK EQUITY	INE237A01028	64191	33,828.00	59,300,484.00	0.48	
43. INDUSIND BANK EQUITY	INE095A01012	64191	30,070.00	28,700,311.50	0.23	
44. BANK OF BARODA EQUITY	INE028A01039	64191	78,155.00	5,791,285.50	0.05	
45. IDFC BANK LIMITED EQUITY	INE092T01019	64191	81,204.00	4,523,062.80	0.04	
46. PNB EQUITY	INE160A01022	64191	20,125.00	737,581.25	0.01	
47. YES BANK EQUITY	INE528G01035	64191	22,800.00	355,680.00	*	
48. HDFC EQUITY	INE001A01036	64192	22,236.00	55,547,751.60	0.45	
49. LIC HOUSING FINANCE EQUITY	INE115A01026	64192	10,000.00	4,282,000.00	0.03	
50. L & T FINANCE EQUITY	INE498L01015	64200	63,500.00	6,086,475.00	0.05	
51. BAJAJ FINANCE LIMITED	INE296A01024	64920	2,500.00	12,874,625.00	0.10	
52. POWER FINANCE CORPORATION EQUITY	INE134E01011	64920	35,400.00	4,026,750.00	0.03	
53. SBI LIFE INSURANCE COMPANY LIMITED EQUITY	INE123W01016	65110	13,000.00	11,451,050.00	0.09	
Debt Instruments -						
Central Government Securities						
1. 7.57% GSEC 17/06/2033	IN0020190065		4,200,000.00	450,622,200.00	3.63	
2. 6.68% GSEC 17/09/2031	IN0020170042		3,650,000.00	368,650,730.00	2.97	
3. 8.17% GSEC 01/12/2044	IN0020140078		2,799,900.00	324,592,407.00	2.61	
4. 7.59% GSEC 20/03/2029	IN0020150069		2,560,000.00	273,186,560.00	2.20	
5. 8.28% GOI 21/09/2027	IN0020070069		2,410,000.00	266,478,761.00	2.15	
6. 9.23% GSEC 23/12/2043	IN0020130079		1,920,000.00	245,931,072.00	1.98	

7. 8.97% GOI 05/12/2030	IN0020110055		2,000,000.00	232,393,800.00	1.87
8. 8.60% GSEC 02/06/2028	IN0020140011		1,970,000.00	221,435,092.00	1.78
9. 8.30% GSEC 31/12/2042	IN0020120062		1,779,400.00	208,211,152.80	1.68
10. 8.32% GSEC 02/08/2032	IN0020070044		1,798,000.00	201,794,394.60	1.63
11. 6.22% GSEC 16/03/2035	IN0020200245		2,000,000.00	191,213,200.00	1.54
12. 8.83% GOI 12/12/2041	IN0020110063		1,543,500.00	189,143,885.70	1.52
13. 8.13% NEW 30 YR GSEC 22/06/2045	IN0020150044		1,555,000.00	180,262,908.50	1.45
14. 8.24% G SEC 15/02/2027	IN0020060078		1,600,000.00	175,955,680.00	1.42
15. 6.84% GSEC 19/12/2022	IN0020160050		1,550,000.00	161,512,945.00	1.30
16. 7.88% GSEC 19/03/2030	IN0020150028		1,325,000.00	144,225,985.00	1.16
17. 6.79% GSEC 26/12/2029	IN0020160118		1,258,200.00	128,491,787.70	1.03
18. 8.20% GOI 24/09/2025	IN0020120047		1,150,000.00	125,450,625.00	1.01
19. 6.80% GSEC 15/12/2060	IN0020200187		1,200,000.00	120,960,240.00	0.97
20. 7.16% GSEC 20/09/2050	IN0020200054		1,100,000.00	115,230,280.00	0.93
21. 8.24% GOI 10/11/2033	IN0020140052		1,000,000.00	112,651,900.00	0.91
22. 9.20% GOI 30/09/2030	IN0020130053		648,000.00	76,340,037.60	0.61
23. 8.28% G SEC 15/02/2032	IN0020060086		640,000.00	71,682,688.00	0.58
24. 7.40% GSEC 09/09/2035	IN0020050012		500,000.00	53,220,150.00	0.43
25. 7.19% GSEC 15/09/2060	IN0020200039		500,000.00	52,903,300.00	0.43
26. 7.62% GSEC 15/09/2039	IN0020190024		443,100.00	48,043,560.60	0.39
27. 7.06% GSEC 10/10/2046	IN0020160068		450,000.00	46,498,545.00	0.37
28. 9.15% GOI 14/11/2024	IN0020110048		410,000.00	45,983,181.00	0.37
29. 8.40% NEW 10 YEAR GSEC 28/07/2024	IN0020140045		390,000.00	42,632,499.00	0.34
30. 7.17% GSEC 08/01/2028	IN0020170174		400,000.00	41,854,680.00	0.34
31. 7.73% GSEC 19/12/2034	IN0020150051		350,000.00	38,105,480.00	0.31
32. 7.72% GSEC 25/05/2025	IN0020150036		354,000.00	37,984,483.20	0.31
33. 8.15% NEW GOVT STOCK 12 YEARS 24/11/2026	IN0020140060		300,000.00	32,879,970.00	0.26
34. 7.69% GSEC 17062043	IN0020190040		290,200.00	31,981,752.18	0.26
35. 8.15% NEW 10 YEAR GOI 11/06/2022	IN0020120013		290,000.00	30,331,100.00	0.24
36. 8.30% GSEC 02/07/2040	IN0020100031		251,000.00	28,987,462.90	0.23
37. 7.16% GSEC 20/05/2023	IN0020130012		250,000.00	26,303,525.00	0.21
38. 8.33% G SEC 07/06/2036	IN0020060045		200,000.00	22,923,040.00	0.18
39. 8.33% GOI 09/07/2026	IN0020120039		200,000.00	21,967,540.00	0.18
40. 8.83% GOI 25/11/2023	IN0020130061		100,000.00	10,950,990.00	0.09
41. 7.68% GSEC 15/12/2023	IN0020150010		100,000.00	10,692,610.00	0.09
42. 7.61% GSEC 09/05/2030	IN0020160019		65,000.00	6,950,417.50	0.06
43. 8.26% GOI 02/08/2027	IN0020070036		40,000.00	4,413,380.00	0.04
44. 6.67% GSEC 17/12/2050	IN0020200252		8,800.00	869,005.28	0.01
State Development Loans					
1. 8.28% RAJASTHAN 21/02/2028	IN2920170155		2,100,000.00	226,584,540.00	1.83
2. 8.43% HP 27/02/2029	IN1720180059		700,000.00	76,338,780.00	0.61
3. 8.63% RAJASTHAN 03/09/2028	IN2920180188		600,000.00	66,120,360.00	0.53
4. 8.48% KERALA 08/08/2030	IN2020180070		500,000.00	55,475,400.00	0.45
5. 8.56% HP 28/11/2028	IN1720180034		500,000.00	55,016,850.00	0.44
6. 7.86% RAJASTHAN 27/12/2027	IN2920170122		500,000.00	53,120,000.00	0.43
7. 7.05% MAHARASHTRA 07/10/2032	IN2220200231		380,700.00	38,699,449.38	0.31
8. 8.10% WEST BENGAL 27/03/2029	IN3420180207		319,300.00	34,391,771.07	0.28
9. 8.14% HARYANA UDAY SDL 30/06/2023	IN1620160086		320,000.00	33,771,200.00	0.27
10. 7.20% MAHARASHTRA 23/10/2029	IN2220190085		324,600.00	33,247,479.60	0.27
11. 7.14% BIHAR 05/02/2030	IN1320190201		233,300.00	23,785,238.29	0.19
12. 8.22% KARNATAKA 30/01/2031	IN1920180156		200,000.00	21,872,360.00	0.18
13. 8.42% MAHARASHTRA 01/08/2028	IN2220180045		200,000.00	21,865,520.00	0.18
14. 8.40% RAJASTHAN 13/03/2029	IN2920180337		200,000.00	21,783,460.00	0.18
15. 9.49% KERALA 01/08/2023	IN2020130067		198,200.00	21,668,452.84	0.17
16. 8.38% TAMIL NADU 27/01/2026	IN3120150187		192,000.00	20,890,617.60	0.17
17. 8.67% KARNATAKA 24/02/2026	IN1920150092		121,000.00	13,315,336.10	0.11
18. 8.09% RAJASTHAN 8/5/2023	IN2920130019		100,000.00	10,585,390.00	0.09
19. 7.47% CHHATISGARH 27/09/2027	IN3520170017		100,000.00	10,447,020.00	0.08
20. 7.38% RAJASTHAN 14/09/2026	IN2920160156		100,000.00	10,434,510.00	0.08
21. 6.60% UP 06/01/2031	IN3320200220		72,600.00	7,116,281.04	0.06
22. 7.47% UP 27/09/2027	IN3320170100		60,000.00	6,245,820.00	0.05
23. 8.17% TAMIL NADU 26/11/2025	IN3120150146		50,000.00	5,450,210.00	0.04
24. 8.20% GUJARAT 24/06/2025	IN1520150021		50,000.00	5,433,040.00	0.04
25. 8.27% HARYANA 23/12/2025	IN1620150111		48,800.00	5,332,712.72	0.04
26. 9.19% TAMIL NADU 09/11/2021	IN3120110082		50,000.00	5,160,515.00	0.04
27. 8.29% KERALA 29/07/2025	IN2020150065		40,000.00	4,355,948.00	0.04
28. 8.51% PUNJAB 10/04/2023	IN2820130010		39,100.00	4,167,481.32	0.03
29. 8.66% MAHARASHTRA 21/09/2021	IN2220110042		40,000.00	4,092,804.00	0.03
30. 8.65% GUJARAT 21/09/2021	IN1520110074		40,000.00	4,092,624.00	0.03
31. 8.99% MADHYA PRADESH 07/03/2022	IN2120110035		20,000.00	2,086,954.00	0.02

Government Guaranteed Bond						
1. 9.95% FOOD CORP OF INDIA 07/03/2022	INE861G08035	46101	970,000.00	102,159,333.00	0.82	AAA
2. 10.05% AIR INDIA 27/09/2031	INE954K08030	51201	50,000.00	6,094,665.00	0.05	AAA
3. 9.38% MTNL 05/12/2023	INE153A08022	61101	200,000.00	21,944,740.00	0.18	AAA
4. 9.39% MTNL 26/03/2024	INE153A08030	61101	180,000.00	19,727,118.00	0.16	AAA
PSU / PFI Bonds						
1. 8.50% NHPC 14/07/2025 (10 YR STRPP)	INE848E07856	35101	200,000.00	22,020,000.00	0.18	AAA
2. 8.24% NHPC 27/06/2031	INE848E07914	35101	100,000.00	11,063,810.00	0.09	AAA
3. 8.50% NHPC 13/07/2024 (9 YR STRPP)	INE848E07849	35101	43,000.00	4,677,346.50	0.04	AAA
4. 7.32% NTPC 17/07/2029	INE733E07KL3	35102	400,000.00	41,443,640.00	0.33	AAA
5. 8.30% NTPC 15/01/2029	INE733E07KJ7	35102	300,000.00	32,772,120.00	0.26	AAA
6. 5.45% NTPC 15/10/2025	INE733E08163	35102	300,000.00	29,602,950.00	0.24	AAA
7. 8.05% NTPC 05/05/2026	INE733E07KA6	35102	200,000.00	21,705,520.00	0.17	AAA
8. 7.37% NTPC 14/12/2031	INE733E07KI9	35102	120,000.00	12,566,832.00	0.10	AAA
9. 7.49% NTPC 07/11/2031	INE733E07KG3	35102	100,000.00	10,557,350.00	0.09	AAA
10. 8.19% NTPC 15/12/2025	INE733E07JX0	35102	50,000.00	5,482,120.00	0.04	AAA
11. 9.18% NPCIL 23/01/2025 (STRPP)	INE206D08170	35104	500,000.00	55,673,400.00	0.45	AAA
12. 8.14% (SEMI-ANNUAL) NPCIL 25/03/2027 (STRPP)	INE206D08279	35104	500,000.00	54,447,300.00	0.44	AAA
13. 8.40% (SEMI-ANNUAL) NPCIL 28/11/2025 (STRPP)	INE206D08212	35104	190,000.00	20,977,159.00	0.17	AAA
14. 9.18% NPCIL 23/01/2027 (STRPP)	INE206D08196	35104	100,000.00	11,367,380.00	0.09	AAA
15. 8.54% NUCLEAR POWER CORP OF INDIA 15/3/2023	INE206D08147	35104	100,000.00	10,703,540.00	0.09	AAA
16. 8.40% (SEMI-ANNUAL) NPCIL 28/11/2026 (STRPP)	INE206D08220	35104	80,000.00	8,854,120.00	0.07	AAA
17. 8.40% (SEMI-ANNUAL) NPCIL 28/11/2029 (STRPP)	INE206D08253	35104	50,000.00	5,561,850.00	0.04	AAA
18. 8.13% (SEMI-ANNUAL) NPCIL 26/03/2027 (11 YR STRPP)	INE206D08360	35104	50,000.00	5,442,545.00	0.04	AAA
19. 8.14% (SEMI-ANNUAL) NPCIL 25/03/2026 (STRPP)	INE206D08261	35104	50,000.00	5,424,365.00	0.04	AAA
20. 8.13% (SEMI-ANNUAL) NPCIL 28/03/2028 (12 YR STRPP)	INE206D08378	35104	50,000.00	5,413,720.00	0.04	AAA
21. 8.24% PGC 14/02/2029	INE752E08551	35107	400,000.00	43,945,880.00	0.35	AAA
22. 8.36% PGC 06/01/2029	INE752E07OH3	35107	400,000.00	43,123,400.00	0.35	AAA
23. 7.89% PGC 09/03/2027	INE752E07OEO	35107	300,000.00	32,147,550.00	0.26	AAA
24. 8.15% PGC 09/03/2030 (15 YEAR STRPP)	INE752E07MK1	35107	230,000.00	25,058,040.00	0.20	AAA
25. 8.13% PGC 25/04/2031	INE752E07NX2	35107	200,000.00	21,875,980.00	0.18	AAA
26. 7.49% PGC 25/10/2034	INE752E08619	35107	200,000.00	20,863,880.00	0.17	AAA
27. 7.20% PGC 09/08/2027	INE752E07OG5	35107	200,000.00	20,804,360.00	0.17	AAA
28. 8.93% PGC 20/10/2029 (15 YEAR STRPP)	INE752E07MD6	35107	100,000.00	11,333,820.00	0.09	AAA
29. 8.20% PGC 22/01/2022 (7 YEAR STRPP)	INE752E07MF1	35107	100,000.00	10,319,490.00	0.08	AAA
30. 9.30% PGC 04/09/2024 (10 YEAR STRPP)	INE752E07LQ0	35107	70,000.00	7,859,880.00	0.06	AAA
31. 8.40% PGC 27/05/2026 (11 YEAR STRPP)	INE752E07MS4	35107	70,000.00	7,643,804.00	0.06	AAA
32. 8.40% PGC 27/05/2028 (13 YEAR STRPP)	INE752E07MU0	35107	50,000.00	5,454,440.00	0.04	AAA
33. 8.20% PGC 23/01/2025 (10 YEAR STRPP)	INE752E07MG9	35107	50,000.00	5,398,545.00	0.04	AAA
34. 9.25% PGC 26/12/2022	INE752E07JI1	35107	50,000.00	5,363,900.00	0.04	AAA
35. 7.36% PGC 17/10/2026	INE752E07OC4	35107	50,000.00	5,250,820.00	0.04	AAA
36. 8.70% PGC 15/07/2023	INE752E07LB2	35107	40,000.00	4,317,152.00	0.03	AAA
37. 8.32% PGC 23/12/2030 (15 YEAR STRPP)	INE752E07NL7	35107	30,000.00	3,319,848.00	0.03	AAA
38. 8.40% PGC 27/05/2030 (15 YEAR STRPP)	INE752E07MW6	35107	20,000.00	2,215,014.00	0.02	AAA
39. 6.98% NHAI 29/06/2035	INE906B07ID2	42101	900,000.00	89,801,550.00	0.72	AAA
40. 6.94% NHAI 27/11/2037	INE906B07IG5	42101	600,000.00	59,447,820.00	0.48	AAA
41. 7.03% NHAI 15/12/2040	INE906B07IH3	42101	500,000.00	49,661,750.00	0.40	AAA
42. 6.99% NHAI 28/05/2035	INE906B07IC4	42101	350,000.00	34,958,210.00	0.28	AAA
43. 7.80% NHAI 26/06/2029	INE906B07HF9	42101	300,000.00	31,716,510.00	0.26	AAA
44. 7.10% NHAI 18/02/2040	INE906B07IJ9	42101	300,000.00	30,023,340.00	0.24	AAA
45. 8.37% NHAI 20/01/2029	INE906B07GN5	42101	200,000.00	21,771,060.00	0.18	AAA
46. 7.70% NHAI 13/09/2029	INE906B07HH5	42101	200,000.00	21,038,540.00	0.17	AAA
47. 7.17% NHAI 23/12/2021	INE906B07FE6	42101	200,000.00	20,455,640.00	0.16	AAA
48. 6.94% NHAI 30/12/2036	INE906B07II1	42101	200,000.00	19,878,840.00	0.16	AAA
49. 7.90% IWAI GOI FULLY SERVICED BONDS 03/03/2027	INE896W08012	42902	300,000.00	31,821,930.00	0.26	AAA
50. 6.90% IRFC 05/06/2035	INE053F07CD7	49110	1,400,000.00	139,511,120.00	1.12	AAA
51. 7.83% IRFC 19/03/2027	INE053F07983	49110	500,000.00	53,571,900.00	0.43	AAA
52. 8.55% IRFC 21/02/2029	INE053F07BA5	49110	400,000.00	44,156,920.00	0.36	AAA
53. 7.54% IRFC 29/10/2027	INE053F07AD1	49110	400,000.00	42,475,480.00	0.34	AAA
54. 8.30% IRFC 23/03/2029	INE053F07BD9	49110	300,000.00	32,693,250.00	0.26	AAA
55. 8.40% IRFC 08/01/2029	INE053F07AZ4	49110	200,000.00	21,875,980.00	0.18	AAA
56. 7.27% IRFC 15/06/2027	INE053F07AB5	49110	100,000.00	10,461,330.00	0.08	AAA
57. 6.85% IRFC 30/11/2040	INE053F07CT3	49110	100,000.00	9,861,250.00	0.08	AAA

58. 6.73% IRFC 06/07/2035	INE053F07CQ9	49110	100,000.00	9,814,660.00	0.08	AAA
59. 8.23% PNB 09/02/2025	INE160A08068	64191	80,000.00	8,231,848.00	0.07	AA+
60. 8.50% NABARD 31/01/2023	INE261F08AT4	64199	850,000.00	90,256,910.00	0.73	AAA
61. 9.57% EXIM BANK 10/01/2024	INE514E08DK2	64199	500,000.00	55,281,200.00	0.45	AAA
62. 8.20% NABARD 16/03/2028	INE261F08AE6	64199	500,000.00	54,092,450.00	0.44	AAA
63. 8.22% NABARD 25/02/2028	INE261F08AA4	64199	480,000.00	51,955,440.00	0.42	AAA
64. 8.02% EXIM BANK 20/04/2026	INE514E08FB6	64199	450,000.00	48,456,405.00	0.39	AAA
65. 7.83% NABARD 17/10/2034	INE261F08BP0	64199	400,000.00	42,819,760.00	0.34	AAA
66. 8.18% NABARD 26/12/2028	INE261F08AX6	64199	300,000.00	32,627,790.00	0.26	AAA
67. 8.60% NABARD 31/01/2022	INE261F08A17	64199	300,000.00	31,089,390.00	0.25	AAA
68. 8.18% EXIM BANK 7/12//2025	INE514E08EU9	64199	220,000.00	24,178,594.00	0.19	AAA
69. 8.83% EXIM BANK 03/11/2029	INE514E08EE3	64199	200,000.00	22,660,680.00	0.18	AAA
70. 8.12% EXIM BANK 25/04/2031	INE514E08FC4	64199	200,000.00	21,983,080.00	0.18	AAA
71. 8.20% NABARD 09/03/2028	INE261F08AD8	64199	200,000.00	21,633,000.00	0.17	AAA
72. 7.60% (SEMI-ANNUAL) NABARD 23/11/2032	INE261F08931	64199	200,000.00	21,217,000.00	0.17	AAA
73. 8.15% EXIM BANK 21/01/2030	INE514E08EJ2	64199	150,000.00	16,406,565.00	0.13	AAA
74. 8.87% EXIM BANK 30/10/2029	INE514E08ED5	64199	100,000.00	11,354,690.00	0.09	AAA
75. 8.02% EXIM BANK 29/10/2025	INE514E08EQ7	64199	100,000.00	10,906,880.00	0.09	AAA
76. 9.60% EXIM BANK 07/02/2024	INE514E08DM8	64199	50,000.00	5,546,175.00	0.04	AAA
77. 8.82% REC 12/04/2023	INE020B08831	64920	400,000.00	42,799,880.00	0.34	AAA
78. 8.23% REC 23/01/2025	INE020B08898	64920	300,000.00	32,122,080.00	0.26	AAA
79. 7.99% REC 23/02/2023	INE020B08AT3	64920	300,000.00	31,548,720.00	0.25	AAA
80. 9% PFC 11/3/2028	INE134E08FL2	64920	200,000.00	22,253,520.00	0.18	AAA
81. 8.67% PFC 18/11/2028	INE134E08JR1	64920	200,000.00	22,214,760.00	0.18	AAA
82. 7.95% REC 12/03/2027	INE020B08AH8	64920	200,000.00	21,294,600.00	0.17	AAA
83. 7.27% PFC 22/12/2021	INE134E08IN2	64920	200,000.00	20,450,180.00	0.16	AAA
84. 8.11% REC 07/10/2025	INE020B08963	64920	170,000.00	18,272,433.00	0.15	AAA
85. 8.39% PFC 19/04/2025	INE134E08HD5	64920	150,000.00	16,218,060.00	0.13	AAA
86. 8.27% REC 06/02/2025	INE020B08906	64920	150,000.00	16,090,110.00	0.13	AAA
87. 7.50% PFC 16/08/2021	INE134E08IH4	64920	150,000.00	15,200,850.00	0.12	AAA
88. 8.48% PFC 09/12/2024	INE134E08GU1	64920	140,000.00	15,198,442.00	0.12	AAA
89. 7.75% - SEMI ANNUAL PFC GOI FULLY SERVICED BONDS 22/03/2027	INE134E08IX1	64920	100,000.00	10,736,720.00	0.09	AAA
90. 8.03% PFC 02/05/2026	INE134E08IE1	64920	100,000.00	10,616,670.00	0.09	AAA
91. 7.44% PFC 11/06/2027	INE134E08JC3	64920	100,000.00	10,412,350.00	0.08	AAA
92. 7.14% REC 09/12/2021	INE020B08AB1	64920	100,000.00	10,206,180.00	0.08	AAA
93. 7.47% PFC 16/09/2021	INE134E08IJ0	64920	100,000.00	10,163,390.00	0.08	AAA
94. 8.30% REC 10/04/2025	INE020B08930	64920	70,000.00	7,534,639.00	0.06	AAA
95. 8.27% REC 09/03/2022	INE020B08922	64920	70,000.00	7,266,784.00	0.06	AAA
96. 9.34% REC 25/08/2024	INE020B07I25	64920	50,000.00	5,525,590.00	0.04	AAA
97. 8.65% PFC 28/12/2024	INE134E08GV9	64920	50,000.00	5,452,890.00	0.04	AAA
98. 8.84% PFC 04/03/2023	INE134E08FJ6	64920	50,000.00	5,346,970.00	0.04	AAA
99. 9.40% REC 17/07/2021	INE020B07IW2	64920	50,000.00	5,080,030.00	0.04	AAA
100. 9.36% PFC 01/08/2021	INE134E08DR4	64920	40,000.00	4,071,560.00	0.03	AAA
101. 8.90% PFC 18/03/2028	INE134E08FO6	64920	30,000.00	3,322,767.00	0.03	AAA
Private Corporate Bonds						
1. 8% BRITANNIA INDUSTRIES LIMITED (NCD BONUS) 28/08/2022	INE216A07052	10712	2,040.00	213,392.57	*	AAA
2. 9% GRASIM INDUSTRIES 10/5/2023	INE069A08046	13134	300,000.00	32,319,510.00	0.26	AAA
3. 9% RIL 21/01/2025	INE110L08060	19201	400,000.00	43,828,840.00	0.35	AAA
4. 7.05% RIL 13/09/2023	INE002A08625	19201	400,000.00	41,878,960.00	0.34	AAA
5. 8.65% RIL 11/12/2028	INE002A08567	19201	200,000.00	22,401,880.00	0.18	AAA
6. 7.17% RIL 08/11/2022	INE002A08500	19201	200,000.00	20,736,160.00	0.17	AAA
7. 8.95% RIL 09/11/2028	INE002A08542	19201	150,000.00	17,046,495.00	0.14	AAA
8. 7% RIL 31/08/2022	INE002A08476	19201	100,000.00	10,322,330.00	0.08	AAA
9. 10.40% UNITED PHOSPHORUS 08/06/2022	INE628A08205	20219	50,000.00	5,187,495.00	0.04	AA+
10. 10.70% UNITED PHOS 06/07/2026	INE628A08163	20219	50,000.00	5,058,250.00	0.04	AA+
11. 7.53% ULTRATECH CEMENT 21/08/2026	INE481G07190	23941	450,000.00	47,753,685.00	0.38	AAA
12. 2% TATA STEEL 23/04/2022	INE081A08181	24105	280,000.00	49,785,456.00	0.40	AA
13. 11.40% TATA POWER PERPETUAL (CALL DATE - JUNE 2, 2021)	INE245A08034	35102	220,000.00	22,250,228.00	0.18	AA
14. 10.75% TATA POWER 21/08/2072 - CALL DATE - 21/08/2022	INE245A08042	35102	40,000.00	4,238,364.00	0.03	AA
15. 10.25% EAST WEST PIPELINE LIMITED 22/08/2021	INE941D08065	35202	90,000.00	9,209,448.00	0.07	AAA
16. 9.70% GE SHIPPING 15/04/2021	INE017A08219	50120	30,000.00	3,004,011.00	0.02	AA+
17. 9.70% GE SHIPPING 07/01/2023	INE017A08185	50120	20,000.00	2,083,224.00	0.02	AA+
18. 7.95% SIKKA PORTS & TERMINALS 28/10/2026	INE941D07158	52220	760,000.00	80,792,864.00	0.65	AAA
19. 7.90% SIKKA PORTS & TERMINALS 18/11/2026	INE941D07166	52220	250,000.00	26,533,775.00	0.21	AAA

20. 10.40% SIKKA PRTS & TERMINAL 18/07/2021	INE941D07125	52220	140,000.00	14,255,836.00	0.11	AAA
21. 8.45% SIKKA PORTS & TERMINALS 12/06/2023	INE941D07133	52220	100,000.00	10,636,220.00	0.09	AAA
22. 7.65% AXIS BANK 30/01/2027	INE238A08468	64191	1,600,000.00	166,241,120.00	1.34	AAA
23. 8.85% AXIS BANK 05/12/2024	INE238A08351	64191	340,000.00	37,495,948.00	0.30	AAA
24. 9.25% (SEMI-ANNUAL) ICICI BANK 04/09/2024	INE090A08TO9	64191	330,000.00	36,810,642.00	0.30	AAA
25. 7.95% HDFC BANK 21/09/2026	INE040A08369	64191	330,000.00	35,249,775.00	0.28	AAA
26. 9.15% AXIS BANK 31/12/2022	INE238A08344	64191	230,000.00	24,024,190.00	0.19	AAA
27. 7.60% AXIS BANK 20/10/2023	INE238A08401	64191	200,000.00	21,091,740.00	0.17	AAA
28. 7.47% ICICI BANK 25/06/2027	INE090A08TY8	64191	200,000.00	20,694,600.00	0.17	AAA
29. 8.71% IDFC BANK 29/05/2024	INE092T08BW6	64191	200,000.00	20,500,580.00	0.17	AA
30. 9.15% (SEMI-ANNUAL) ICICI BANK 06/08/2024	INE090A08TN1	64191	180,000.00	19,984,500.00	0.16	AAA
31. 8.40% ICICI BANK 13/05/2026	INE090A08TT8	64191	150,000.00	16,196,700.00	0.13	AAA
32. 9.15% ICICI BANK 31/12/2022	INE090A08SN3	64191	100,000.00	10,637,320.00	0.09	AAA
33. 7.60% ICICI BANK 07/10/2023	INE090A08TU6	64191	100,000.00	10,557,860.00	0.09	AAA
34. 8.73% IDFC BANK 14/06/2022	INE092T08BX4	64191	100,000.00	10,219,520.00	0.08	AA
35. 8.73% IDFC BANK 30/05/2022	INE092T08BV8	64191	100,000.00	10,213,040.00	0.08	AA
36. 8.45% ICICI BANK 31/03/2025	INE090A08TS0	64191	60,000.00	6,500,250.00	0.05	AAA
37. 8.73% IDFC BANK 06/01/2023	INE092T08BZ9	64191	50,000.00	5,116,635.00	0.04	AA
38. 8.75% IDFC BANK 28/07/2023	INE092T08CA0	64191	20,000.00	2,059,482.00	0.02	AA
39. 6.83% HDFC 08/01/2031	INE001A07SW3	64192	1,320,000.00	130,849,884.00	1.05	AAA
40. 9.05% HDFC 20/11/2023	INE001A07RJ2	64192	500,000.00	54,607,950.00	0.44	AAA
41. 9.10% LIC HF 24/09/2028	INE115A07NH3	64192	300,000.00	33,483,420.00	0.27	AAA
42. 8.80% LIC HSG FIN 25/01/2029	INE115A07NU6	64192	300,000.00	33,006,810.00	0.27	AAA
43. 8.75% LIC HF 08/12/2028	INE115A07NP6	64192	300,000.00	32,949,120.00	0.27	AAA
44. 9.19% LIC HF 06/06/2023	INE115A07NI1	64192	300,000.00	32,356,560.00	0.26	AAA
45. 8.70% LIC HSG FIN 23/03/2029	INE115A07OB4	64192	200,000.00	21,923,340.00	0.18	AAA
46. 8.55% HDFC 27/03/2029	INE001A07RT1	64192	200,000.00	21,810,060.00	0.18	AAA
47. 8.35% HDFC 13/05/2026	INE001A07OX0	64192	200,000.00	21,597,880.00	0.17	AAA
48. 7.86% LIC HSG FIN 19/09/2023	INE115A07KJ5	64192	200,000.00	21,169,760.00	0.17	AAA
49. 8.58% LIC HSG FIN 19/01/2023	INE115A07IQ4	64192	170,000.00	17,944,265.00	0.14	AAA
50. 7.75% LIC HSG FIN 23/11/2027	INE115A07MQ6	64192	150,000.00	15,637,035.00	0.13	AAA
51. 9.50% HDFC 04/07/2022	INE001A07IO1	64192	140,000.00	14,808,948.00	0.12	AAA
52. 8.43% HDFC 04/03/2025	INE001A07NP8	64192	130,000.00	13,952,874.00	0.11	AAA
53. 8.48% LIC HSG FIN 29/06/2026	INE115A07JT6	64192	100,000.00	10,828,910.00	0.09	AAA
54. 8.95% HDFC 21/03/2023	INE001A07KU4	64192	100,000.00	10,700,100.00	0.09	AAA
55. 8.35% HDFC 26/04/2021	INE001A07OS0	64192	100,000.00	10,034,160.00	0.08	AAA
56. 9.24% HDFC 24/06/2024	INE001A07MS4	64192	50,000.00	5,489,890.00	0.04	AAA
57. 8.48% LIC HSG FIN 09/06/2023	INE115A07JO7	64192	50,000.00	5,316,880.00	0.04	AAA
58. 9.50% HDFC 13/08/2024	INE001A07MX4	64192	40,000.00	4,428,448.00	0.04	AAA
59. 8.55% LIC HSG FIN 14/08/2025	INE115A07HU8	64192	30,000.00	3,243,357.00	0.03	AAA
60. 9.05% LIC HF 25/10/2022	INE115A07DA9	64192	30,000.00	3,184,728.00	0.03	AAA
61. 8.65% ILFS FIN. SER. LTD. 06/12/2021	INE121H08115	64200	350,000.00	35,000,000.00	0.28	D
62. 8.85% TATA SONS 2/5/2023	INE895D08550	64200	300,000.00	31,845,960.00	0.26	AAA
63. 10.30% ILFS FIN SER 22/03/2022	INE121H08024	64200	55,000.00	5,500,000.00	0.04	D
64. 9.70% TATA SONS 25/07/2022	INE895D08477	64200	40,000.00	4,223,804.00	0.03	AAA
65. 10.30% ILFS 28/12/2021	INE121H08016	64200	40,000.00	4,000,000.00	0.03	D
66. 8.79% HDB FIN. SER. 22/07/2026	INE756I08108	64990	150,000.00	16,291,230.00	0.13	AAA
67. 9.70% HDB. FIN. SER. 20/06/2024	INE756I08074	64990	140,000.00	15,286,866.00	0.12	AAA
68. 10.19% HDB FIN. SER. 18/03/2024	INE756I08066	64990	90,000.00	9,885,906.00	0.08	AAA
69. 8.25% ICICI LOMBARD GEN INS 28/07/2026 (CALL DATE-28/7/2021)	INE765G08012	65120	150,000.00	15,133,650.00	0.12	AAA
70. 9.20% ISEC PD 26/04/2023	INE849D08TS3	66120	50,000.00	5,261,540.00	0.04	AAA
Bank Fixed Deposits (< 1 Year)						
1. 2.50% AXIS BANK FD MATURITY 07/04/2021			507,000.00	507,000.00	*	
Cash / Cash Equivalent & Net Current Assets						
Money Market Mutual Funds						
1. UTI - LIQUID CASH PLAN-INSTITUTIONAL-DIRECT-GROWTH	120304	66301	82,202.97	277,031,655.26	2.23	
Net Current Assets				166,078,889.87	1.34	
GRAND TOTAL			97,688,465.97	12,415,339,096.22	100.00	
Average Maturity of Portfolio (in yrs)			10.17			
Modified Duration (in yrs)			5.91			
Yield to Maturity (%) (annualised) (at market price)			6.38			

Credit Rating Exposure						
Central Government Securities				5,222,895,003.56	42.07	
State Development Loans				902,948,124.96	7.27	
Government Guaranteed Bond				149,925,856.00	1.21	
AAA / Equivalent				3,759,583,510.07	30.28	
A1+ (For Commercial paper)				0.00	0.00	
AA+ / Equivalent				23,564,828.00	0.19	
AA / Equivalent				124,383,305.00	1.00	
AA- / Equivalent				0.00	0.00	
A+ / Equivalent				0.00	0.00	
A / Equivalent				0.00	0.00	
A- / Equivalent				0.00	0.00	
BBB+ / Equivalent				0.00	0.00	
BBB / Equivalent				0.00	0.00	
BBB- / Equivalent				0.00	0.00	
D / Equivalent				0.00	0.00	
(out of above Net NPA)				44,500,000.00	0.36	
Total				10,227,800,627.59	82.38	
Bank FD				507,000.00	0.00	
Equity				1,743,920,923.50	14.05	
Equity Mutual Funds				0.00	0.00	
Money Market Mutual Funds				277,031,655.26	2.23	
Cash / Cash Equivalent Net Current Assets				166,078,889.87	1.34	
Application Pending Allotment - NCDs				0.00	0.00	
Others (Treasury Bills and Gilt Mutual Funds)				0.00	0.00	
Grand Total				12,415,339,096.22	100.00	
Unit Outstanding				441,922,515.3111		
NAV				28.0939		

* Percentage to portfolio is less than 0.01%

** Industry Code details given in Annexure 1

Note:

The provision made for NPAs as of March 31, 2021 is Rs. 61,643,425.80 and its percentage to NAV is 0.50.

Total value and Percentage of illiquid equity shares	NIL
NAV at the beginning of the period	27.7053
NAV at the end of the period	28.0939
Total Outstanding exposure in derivative instruments at the end of the period	NIL
Total Infrastructure investments	
Market Value	90,618,613.00
% Of Portfolio	0.73

Industry Code	Industry Name
05102	Belowground mining of hard coal
06102	On shore extraction of crude petroleum
07100	Mining of iron ores
10402	Manufacture of vegetable oils and fats excluding corn oil
10502	Manufacture of milk-powder, ice-cream powder and condensed milk except baby milk food
10712	Manufacture of biscuits, cakes, pastries, rusks etc.
10721	Manufacture or refining of sugar (sucrose) from sugercane
10791	Processing and blending of tea including manufacture of instant tea
10799	Other semi-processed, processed or instant foods n.e.c. except farinaceous products and malted foods and manufacturing activities like manufacture of egg powder, sambar powder etc. (this excludes the activities covered under 10619)
11011	Manufacture of distilled, potable, alcoholic beverages such as whisky, brandy, gin, "mixed drinks" etc.
12003	Manufacture of cigarettes, cigarette tobacco
13114	Preparation and spinning of man-made fiber including blended man-made fiber
13121	Weaving, manufacture of cotton and cotton mixture fabrics
13124	Weaving, manufacturing of man-made fiber and man-made mixture fabrics
13134	Finishing of man-made and blended man-made textiles
14101	Manufacture of All Types of Textile Garments and Clothing Accessories
15201	Manufacture of leather footwear such as shoes, sandals, chappals, leather-cum-rubber/plastic cloth sandles and chappals
17013	Manufacture of paper and paper rolls not further processed
19201	Production of liquid and gaseous fuels, illuminating oils, lubricating oils or greases or other products from crude petroleum or bituminous minerals
19209	Manufacture of other petroleum n.e.c. (includes manufacture of petroleum jelly, micro-crystalline petroleum wax, slack wax, ozokerite, lignite wax, petroleum coke, petroleum bitumen and other residues of petroleum oils or of oils obtained from bituminous minerals)
20219	Manufacture of other agrochemical products n.e.c.
20221	Manufacture of paints and varnishes, enamels or lacquers
20231	Manufacture of soap all forms
20235	Manufacture of preparations for oral or dental hygiene (includes manufacture of toothpastes, toothpowder, mouthwash, oral, perfumes, dental fixative pastes and powders etc.)
20236	Manufacture of hair oil, shampoo, hair dye etc. (includes manufacture of shampoos, hair sprays, hair fixers, hair oils, hair creams, hair dyes and bleaches and preparations for permanent waving or straightening of the hair etc.)
21002	Manufacture of allopathic pharmaceutical preparations
22111	Manufacture of rubber tyres and tubes for motor vehicles, motorcycles, scooters, three-wheelers, tractors and aircraft
23941	Manufacture of clinkers and cement
24102	Manufacture of direct reduction of iron (sponge iron) and other spongy ferrous products
24105	Manufacture of hot-rolled and cold-rolled products of steel
24201	Manufacture of Copper from ore, and other copper products and alloys
24202	Manufacture of Aluminium from alumina and by other methods and products of aluminium and alloys
24203	Manufacturing of lead, zinc and tin products and alloys
25910	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
26309	Manufacture of other communication equipments n.e.c.
27104	Manufacture of electricity distribution and control apparatus (electrical apparatus for switching or protecting electrical circuits (e.g. switches, fuses, voltage limiters, surge suppressors, junction boxes etc.) for a voltage exceeding 1000 volts; similar apparatus (including relays, sockets etc.) for a voltage not exceeding 1000 volts; boards, panels, consoles, cabinets and other bases equipped with two or more of the above apparatus for electricity control or distribution of electricity including power capacitors.)
27201	Manufacture of primary cells and primary batteries and rechargeable batteries, cells containing manganese oxide, mercuric oxide silver oxide or other material
27400	Manufacture of electric lighting equipment
27900	Manufacture of other electrical equipment
28110	Manufacture of engines and turbines, except aircraft, vehicle and cycle engines
28199	Manufacture of other general purpose machinery n.e.c. (fans intended for industrial applications, exhaust hoods for commercial, laboratory or industrial use; calendering or other rolling machines other than for metals or glass; gaskets and similar joints made of a combination of materials or layers of the same material and other general purpose machinery including manufacture of parts and accessories for general purpose machinery and equipment.)
28211	Manufacture of tractors used in agriculture and forestry
29101	Manufacture of passenger cars
29102	Manufacture of commercial vehicles such as vans, lorries, over-the-road tractors for semi-trailers etc.
29103	Manufacture of chassis fitted with engines for the motor vehicles included in this class
29304	Manufacture of motor vehicle electrical equipment, such as generators, alternators, spark plugs, ignition wiring harnesses, power window and door systems, assembly of purchased gauges into instrument panels, voltage regulators, etc.
30911	Manufacture of motorcycles, scooters, mopeds etc. and their engine

32111	Manufacture of jewellery of gold, silver and other precious or base metal metal clad with precious metals or precious or semi-precious stones, or of combinations of precious metal and precious or semi-precious stones or of other materials
35101	Electric power generation by hydroelectric power plants
35102	Electric power generation by coal based thermal power plants
35104	Electric power generation and transmission by nuclear power plants
35106	Electric power generation using other non conventional sources
35107	Transmission of electric energy
35202	Distribution and sale of gaseous fuels through mains
41001	Construction of buildings carried out on own-account basis or on a fee or contract basis
42101	Construction and maintenance of motorways, streets, roads, other vehicular and pedestrian ways, highways, bridges, tunnels and subways
42202	Construction/erection and maintenance of power, telecommunication and transmission lines
42902	Construction of waterways, harbours and river works, dredging of waterways
42909	Other civil engineering projects n.e.c.
46101	Activities of commission agents, brokers dealing in wholesale trade of agricultural raw material, live animals, food, beverages, intoxicants and textiles
47510	Retail sale of textiles in specialized stores
49110	Passenger rail transport
50120	Sea and coastal freight water transport
51101	Passenger Airways
51201	Freight air transport services
52213	Switching and shunting
52220	Service activities incidental to water transportation
55101	Hotels and Motels, inns, resorts providing short term lodging facilities; includes accommodation in house boats
60200	Television Programming and Broadcasting Activities
61101	Activities of basic telecom services: telephone, telex and telegraph (includes the activities of STD/ISD booths)
61104	Activities of providing internet access by the operator of the wired infrastructure
61202	Activities of maintaining and operating paging, cellur and other tetecommunication networks
62011	Writing , modifying, testing of computer program to meet the needs of a particular client excluding web-page designing
64191	Monetary intermediation of commercial banks, saving banks. postal savings bank and discount houses
64192	Activities of specialized institutions granting credit for house purchases that also take deposits
64199	Other monetary intermediation services n.e.c.
64200	Activities of holding companies
64920	Other credit granting
64990	Other financial service activities, except insurance and pension funding activities, n.e.c.
65110	Life Insurance
65120	Non-Life Insurance
66120	Security and commodity contracts brokerage
66301	Management of Mutual Funds
68100	Real estate activities with own or leased property
72100	Research and experimental development on natural sciences and engineering