

SIP Required For Target Future Value Calculator Case Study PDF

Mr Arun Chowdhury wants to save 50 Lakh after 15 years for his child's education. He wants to know how much monthly SIP he should start assuming different returns. Also he wants to know if he can increase SIP amount 10% every year, how much amount he should start with and what will be difference if he delays his decision.

SIP Proposal For Mr Arun Chowdhury

Target Amount	₹ 50,00,000
SIP Period	15 Years
Step-Up % Every Year	10.00 %

Monthly SIP Required

Mode	Scenario 1 @ 12.00 %	Scenario 2 @ 15.00 %
Normal SIP	₹ 10,506	₹ 8,112
Step-Up SIP	₹ 6,043	₹ 4,874

Total Investment

Mode	Scenario 1 @ 12.00 %	Scenario 2 @ 15.00 %
Normal SIP	₹ 18,91,029	₹ 14,60,172
Step-Up SIP	₹ 23,03,823	₹ 18,58,179

* Mutual fund investments are subject to market risks, read all scheme related documents carefully. Returns are not guaranteed. The above is for illustration purpose only.

Normal SIP Year-Wise Projected Value

Year	Scenario 1 @ 12.00 %		Scenario 2 @ 15.00 %	
	Annual Investment	Year End Value	Annual Investment	Year End Value
1	₹ 1,26,069	₹ 1,34,121	₹ 97,345	₹ 1,05,085
2	₹ 1,26,069	₹ 2,84,337	₹ 97,345	₹ 2,25,933
3	₹ 1,26,069	₹ 4,52,579	₹ 97,345	₹ 3,64,909
4	₹ 1,26,069	₹ 6,41,009	₹ 97,345	₹ 5,24,730
5	₹ 1,26,069	₹ 8,52,052	₹ 97,345	₹ 7,08,525
6	₹ 1,26,069	₹ 10,88,419	₹ 97,345	₹ 9,19,889
7	₹ 1,26,069	₹ 13,53,150	₹ 97,345	₹ 11,62,958
8	₹ 1,26,069	₹ 16,49,650	₹ 97,345	₹ 14,42,486
9	₹ 1,26,069	₹ 19,81,729	₹ 97,345	₹ 17,63,945
10	₹ 1,26,069	₹ 23,53,657	₹ 97,345	₹ 21,33,622
11	₹ 1,26,069	₹ 27,70,217	₹ 97,345	₹ 25,58,750
12	₹ 1,26,069	₹ 32,36,765	₹ 97,345	₹ 30,47,648
13	₹ 1,26,069	₹ 37,59,298	₹ 97,345	₹ 36,09,880
14	₹ 1,26,069	₹ 43,44,535	₹ 97,345	₹ 42,56,448
15	₹ 1,26,069	₹ 50,00,000	₹ 97,345	₹ 50,00,000

*The above chart is approximate and for illustration purpose only

Step - Up SIP Year-Wise Projected Value

Year	Scenario 1 @ 12.00 %		Scenario 2 @ 15.00 %	
	Annual Investment	Year End Value	Annual Investment	Year End Value
1	₹ 72,510	₹ 77,142	₹ 58,484	₹ 63,134
2	₹ 79,761	₹ 1,71,254	₹ 64,332	₹ 1,42,052
3	₹ 87,737	₹ 2,85,146	₹ 70,766	₹ 2,39,752
4	₹ 96,511	₹ 4,22,039	₹ 77,842	₹ 3,59,747
5	₹ 1,06,162	₹ 5,85,627	₹ 85,626	₹ 5,06,144
6	₹ 1,16,778	₹ 7,80,139	₹ 94,189	₹ 6,83,744
7	₹ 1,28,456	₹ 10,10,417	₹ 1,03,608	₹ 8,98,152
8	₹ 1,41,302	₹ 12,81,994	₹ 1,13,969	₹ 11,55,906
9	₹ 1,55,432	₹ 16,01,194	₹ 1,25,365	₹ 14,64,625
10	₹ 1,70,975	₹ 19,75,233	₹ 1,37,902	₹ 18,33,186
11	₹ 1,88,072	₹ 24,12,346	₹ 1,51,692	₹ 22,71,918
12	₹ 2,06,880	₹ 29,21,921	₹ 1,66,861	₹ 27,92,836
13	₹ 2,27,568	₹ 35,14,655	₹ 1,83,548	₹ 34,09,904
14	₹ 2,50,324	₹ 42,02,728	₹ 2,01,902	₹ 41,39,346
15	₹ 2,75,357	₹ 50,00,000	₹ 2,22,093	₹ 50,00,000

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Cost of Delay in Starting Normal SIP

This illustration explains the increase in SIP amount due to delay in starting your SIP to achieve the target amount.

Delay in No. of Year	Scenario 1 @ 12.00 %		Scenario 2 @ 15.00 %	
	SIP Amount	Total Investment	SIP Amount	Total Investment
1	₹ 12,091	₹ 20,31,242	₹ 9,529	₹ 16,00,898
2	₹ 13,973	₹ 21,79,784	₹ 11,236	₹ 17,52,804
3	₹ 16,229	₹ 23,36,937	₹ 13,309	₹ 19,16,458
4	₹ 18,962	₹ 25,02,970	₹ 15,852	₹ 20,92,414
5	₹ 22,318	₹ 26,78,142	₹ 19,010	₹ 22,81,211
6	₹ 26,506	₹ 28,62,696	₹ 22,994	₹ 24,83,364
7	₹ 31,842	₹ 30,56,857	₹ 28,118	₹ 26,99,362
8	₹ 38,819	₹ 32,60,835	₹ 34,877	₹ 29,29,659
9	₹ 48,261	₹ 34,74,818	₹ 44,093	₹ 31,74,671
10	₹ 61,650	₹ 36,98,972	₹ 57,246	₹ 34,34,771
11	₹ 81,947	₹ 39,33,441	₹ 77,298	₹ 37,10,281
12	₹ 1,16,065	₹ 41,78,344	₹ 1,11,152	₹ 40,01,474
13	₹ 1,84,741	₹ 44,33,775	₹ 1,79,524	₹ 43,08,564
14	₹ 3,91,650	₹ 46,99,801	₹ 3,85,976	₹ 46,31,707

For example, If you delay your SIP by 1 year, your SIP amount will increase to ₹12,091 instead of ₹10,506 in case of Scenario(1) and will increase to ₹9,529 instead of ₹8,112 in case of Scenario(2).

*Returns are not guaranteed. The above is for illustration purpose only.