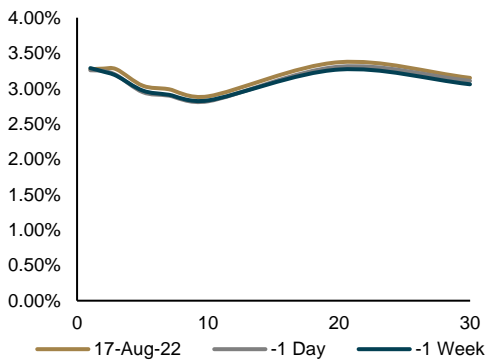


Exhibit 1. U.S. Treasury Yield



Source : U.S Treasury Department

Exhibit 2. Global Gov't Bond Yield

Countries	17-Aug-22	-1 Day	-1 Week
U.S	2.87%	2.83%	2.76%
U.K	2.28%	2.11%	1.95%
Germany	1.08%	0.99%	0.90%
Japan	0.19%	0.18%	0.17%
China	2.67%	2.81%	2.75%
Malaysia	3.96%	3.96%	3.96%
Thailand	2.37%	2.37%	2.43%

Source : Bloomberg

Exhibit 3. Market Indicators

Indicators	Unit	Value
U.S. Treasury	%	2.89
Indo 5-Year CDS	bps	98.65
USD/IDR	points	14,768
BI 7DRR	%	3.50

Source : Bloomberg as of August 16, 2022

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Global Market Update

- The benchmark 10-year UST note yield was closed at 2.87% on Wednesday (08/17/22).
- Fed's minutes of meeting showed that US CB wont likely to pull back the interest rate hikes until inflation could be brought back at 2% level.
- However, Fed did not give a guidance for future interest rate hike and will be data driven to decide the path.
- US stock market fell, with DJI was down 0.5%; S&P 500 dropped 0.72% and Nasdaq Composite retreated 1.25%.
- On the other hand, UK CPI increased more than market has anticipated in last Jul-22 causing yield to jump.
- UK inflation hit 10.1% YoY, higher than consensus estimate at 9.7% YoY in Jul-22 caused by food and energy prices.
- UK's actual inflation last month was the highest in the last 4 decades.

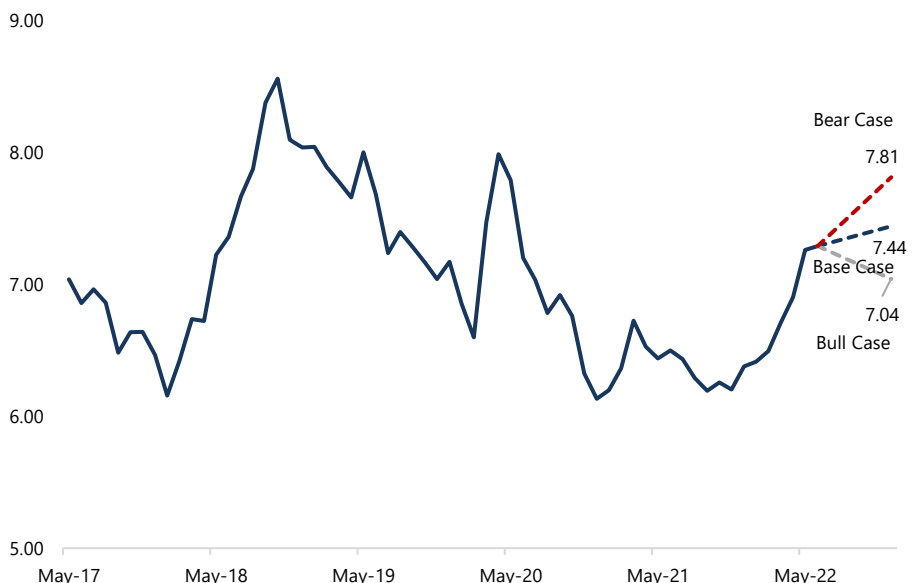
Domestic Market Update

- The benchmark 10-year Indo GB yield (FR0091) fell 6 bps to 7.00% on Tuesday (08/16/22).
- The IDR weakened against USD and was closed at IDR14,768/USD on Tuesday (vs IDR14,742/USD on Monday).
- Indonesia's 5-year CDS recorded a slight increase to 98.65 bps on Tuesday (vs 97.59 bps on Monday).
- RAPBN 2023 state revenues/expenditures are pegged at IDR 2,444/3,042tn and implying a budget deficit of IDR598tn (-2.85% GDP).
- The key policy theme for the 2023 is fiscal consolidation to maintain a healthy and sustainable budget.
- The risks that the APBN still have to face in 2023 include: 1) the global economic slowdown; 2) continued global monetary tightening and 3) faster-than-expected decline in commodity prices.

Market Projection

- Given the recent development on global and domestic market, we expect the 10 year Indo GB yield to move within a range of 7.00-7.20% for today.
- Attractive Indo GB series to be traded today : FR0063, FR0070, FR0077, FR0037, FR0090, FR0052, FR0085, FR0073, FR0054 and FR0091.

Exhibit 4. 10 Year Indo GB Fair Yield



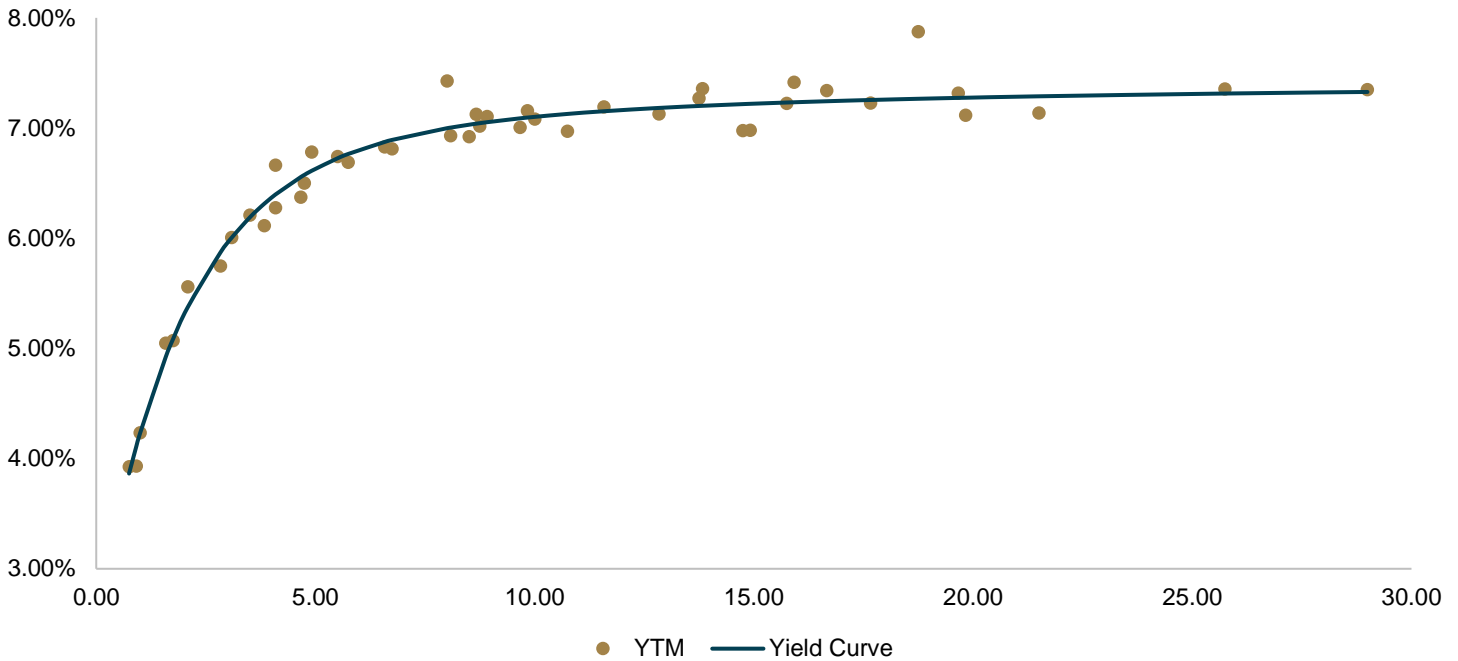
Source : Bloomberg, MNCS Calculation

Exhibit 5. Indo GB Series Valuation

Series	Coupon (%)	Maturity	TTM (Yr.)	Last Price	YTM (%)	Yield Curve (%)	Fair Price	Notes
FR63	5.625	15-May-23	0.75	101.22	3.93%	3.86%	101.28	Fair
FR46	9.500	15-Jul-23	0.91	104.90	3.93%	4.11%	104.77	Premium
FR39	11.750	15-Aug-23	1.00	107.20	4.24%	4.23%	107.27	Fair
FR70	8.375	15-Mar-24	1.58	104.97	5.05%	4.92%	105.19	Fair
FR77	8.125	15-May-24	1.75	105.01	5.07%	5.08%	105.01	Fair
FR44	10.000	15-Sep-24	2.08	108.58	5.56%	5.37%	108.99	Discounted
FR81	6.500	15-Jun-25	2.83	101.92	5.75%	5.87%	101.61	Fair
FR40	11.000	15-Sep-25	3.08	113.81	6.01%	6.00%	113.86	Fair
FR84	7.250	15-Feb-26	3.50	103.21	6.21%	6.19%	103.29	Fair
FR86	5.500	15-Jun-26	3.83	98.00	6.11%	6.31%	97.26	Premium
FR37	12.000	15-Sep-26	4.08	118.75	6.66%	6.40%	119.84	Discounted
FR56	8.375	15-Sep-26	4.08	107.43	6.28%	6.40%	107.00	Fair
FR90	5.125	15-Apr-27	4.66	95.03	6.37%	6.56%	94.32	Premium
FR59	7.000	15-May-27	4.75	102.00	6.50%	6.58%	101.69	Fair
FR42	10.250	15-Jul-27	4.91	114.25	6.78%	6.61%	115.04	Discounted
FR47	10.000	15-Feb-28	5.50	114.75	6.74%	6.73%	114.84	Fair
FR64	6.125	15-May-28	5.75	97.33	6.69%	6.77%	96.98	Fair
FR71	9.000	15-Mar-29	6.58	111.33	6.83%	6.87%	111.09	Fair
FR78	8.250	15-May-29	6.75	107.65	6.81%	6.89%	107.21	Fair
FR52	10.500	15-Aug-30	8.00	118.28	7.43%	7.00%	121.17	Discounted
FR82	7.000	15-Sep-30	8.08	100.43	6.93%	7.00%	99.96	Fair
FR87	6.500	15-Feb-31	8.50	97.33	6.92%	7.03%	96.65	Fair
FR85	7.750	15-Apr-31	8.66	103.98	7.12%	7.04%	104.53	Fair
FR73	8.750	15-May-31	8.75	111.16	7.02%	7.04%	110.98	Fair
FR54	9.500	15-Jul-31	8.91	115.60	7.10%	7.05%	115.97	Fair
FR91	6.375	15-Apr-32	9.66	95.60	7.01%	7.09%	95.06	Fair
FR58	8.250	15-Jun-32	9.83	107.59	7.16%	7.10%	108.06	Fair
FR74	7.500	15-Aug-32	10.00	102.96	7.08%	7.10%	102.81	Fair
FR65	6.625	15-May-33	10.75	97.40	6.97%	7.13%	96.25	Fair
FR68	8.375	15-Mar-34	11.58	109.18	7.19%	7.15%	109.50	Fair
FR80	7.500	15-Jun-35	12.83	103.09	7.13%	7.18%	102.61	Fair
FR72	8.250	15-May-36	13.75	108.41	7.27%	7.20%	109.04	Fair
FR88	6.250	15-Jun-36	13.83	90.49	7.36%	7.20%	91.73	Fair
FR45	9.750	15-May-37	14.75	125.25	6.98%	7.22%	122.73	Premium
FR93	6.375	15-Jul-37	14.91	94.45	6.98%	7.22%	92.35	Premium
FR75	7.500	15-May-38	15.75	102.56	7.22%	7.23%	102.48	Fair
FR50	10.500	15-Jul-38	15.91	128.50	7.42%	7.23%	130.56	Discounted
FR79	8.375	15-Apr-39	16.66	109.83	7.34%	7.24%	110.83	Fair
FR83	7.500	15-Apr-40	17.66	102.70	7.23%	7.26%	102.40	Fair
FR57	9.500	15-May-41	18.75	115.75	7.88%	7.27%	122.66	Discounted
FR62	6.375	15-Apr-42	19.66	90.25	7.32%	7.27%	90.66	Fair
FR92	7.125	15-Jun-42	19.83	100.09	7.12%	7.28%	98.42	Fair
FR67	8.750	15-Feb-44	21.50	117.60	7.14%	7.29%	115.75	Fair
FR76	7.375	15-May-48	25.75	100.23	7.35%	7.31%	100.69	Fair
FR89	6.875	15-Aug-51	29.00	94.33	7.35%	7.33%	94.58	Fair

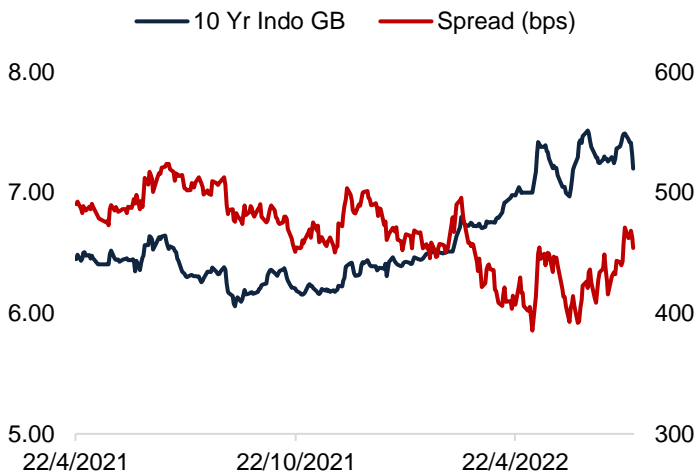
Source : Bloomberg, MNCS Calculation as of August 16, 2022

Exhibit 6. Indo GB Yield Curve



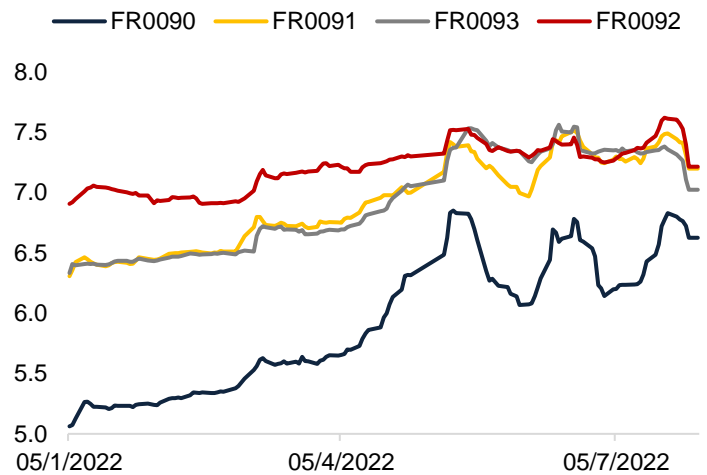
Source : Bloomberg, MNCS Calculation as of August 16, 2022

Exhibit 7. 10 Year U.S. Treasury & Indo GB Spread



Source : Bloomberg, MNCS Calculation

Exhibit 8. Indo GB Benchmark Series Yield (%)



Source : Bloomberg

Exhibit 9. Indo GB Ownership by Type of Investors (%)

Bond Holder	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22
Bank	33.45	33.69	34.77	35.63	34.01	35.47	35.82	35.03	32.81	33.85	29.55	34.21
Central Bank (Nett)	14.78	14.87	13.52	13.10	17.13	15.20	14.12	15.15	17.77	16.56	20.89	16.55
Mutual Fund	3.20	3.28	3.31	3.42	3.38	3.20	3.14	3.19	3.18	3.13	3.16	3.14
Insurance & Pension Fund	14.45	14.40	14.61	14.44	14.00	14.52	14.77	15.22	15.33	15.68	15.94	16.31
Foreign	22.44	21.56	21.24	20.55	19.05	18.97	18.82	17.57	17.03	16.56	16.09	15.35
Individuals	4.46	4.94	5.04	5.08	4.73	4.83	5.32	5.61	5.63	5.80	5.81	5.88
Others	7.21	7.25	7.50	7.78	7.70	7.82	8.01	8.22	8.26	8.42	8.56	8.54

Source : DJPPR as of 26 July 2022

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OVERWEIGHT: Stock's total return is estimated to be above the average total return of our industry coverage universe over next 6-12 months

NEUTRAL: Stock's total return is estimated to be in line with the average total return of our industry coverage universe over next 6-12 months

UNDERWEIGHT: Stock's total return is estimated to be below the average total return of our industry coverage universe over next 6-12 months

MNC Research Investment Ratings Guidance

BUY : Share price may exceed 10% over the next 12 months

HOLD : Share price may fall within the range of +/- 10% of the next 12 months

SELL : Share price may fall by more than 10% over the next 12 months

Not Rated : Stock is not within regular research coverage

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