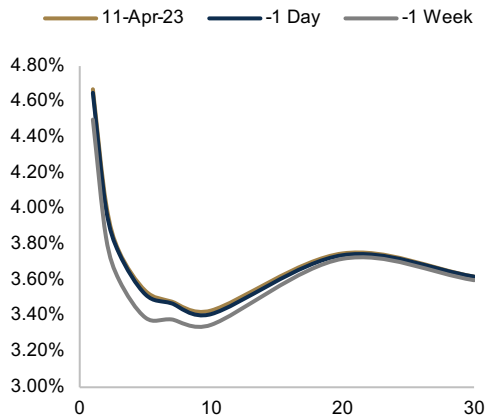


## Exhibit 1. U.S. Treasury Yield



Source : U.S Treasury Department

## Exhibit 2. Global Gov't Bond Yield

Countries	11-Apr-23	-1 Day	-1 Week
U.S	3.43%	3.41%	3.34%
U.K	3.54%	3.43%	3.43%
Germany	2.31%	2.18%	2.25%
Japan	0.45%	0.46%	0.40%
China	2.82%	2.85%	2.86%
Malaysia	3.86%	3.85%	3.90%
Thailand	2.47%	2.46%	2.46%

Source : Bloomberg

## Exhibit 3. Market Indicators

Indicators	Unit	Value
U.S. Treasury	%	3.43
Indo 5-Year CDS	bps	92.04
USD/IDR	points	14,886
BI 7DRR	%	5.75

Source : Bloomberg as of April 10, 2023

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## Global Market Update

- US treasury notes yield moved upward along the curve on Tuesday (04/11/23).
- The benchmark 10-year UST note yield rose slightly by 1 bps to 3.43% yesterday.
- Meanwhile, the benchmark 2-year UST note yield increased 2 bps and hit 4.03% at the same time.
- US equity indices closed with mix result last night. The DJI climbed higher by 0.29%.
- However, the Nasdaq Composite fell 0.43% while the S&P 500 was relatively flattish
- International Monetary Fund (IMF) revised down its global economic output forecast by 10 bps from Jan-23 projection. It expects global output to grow 2.8% this year.
- IMF also warns that global economic activity is experiencing a broad based and sharper than expected slowdown.
- Based on IMF projection, advanced economies will experience a sharper economic slowdown than emerging market peers.

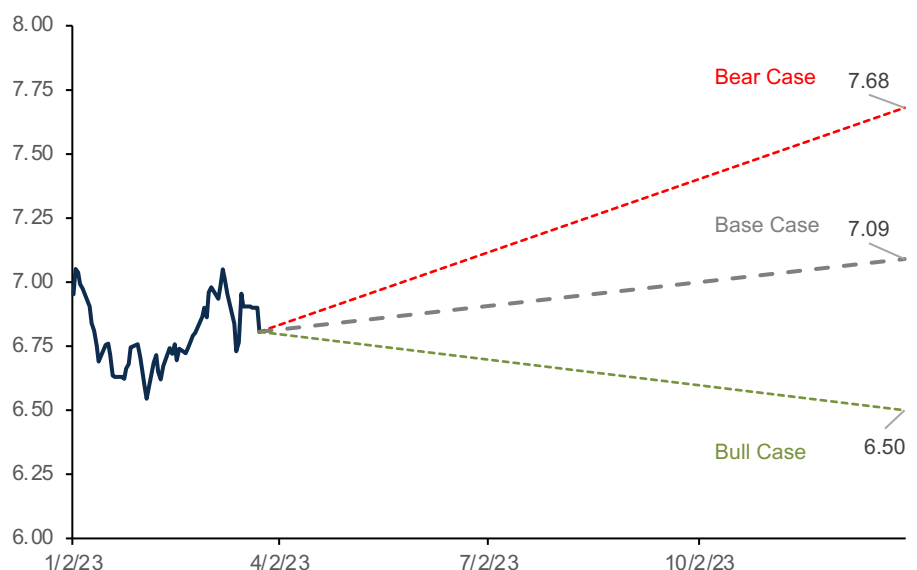
## Domestic Market Update

- The domestic LCY government bonds were traded up on Tuesday (04/11/23).
- Yield on the benchmark 10-year (FR0096) fell by 2 bps to 6.64% yesterday.
- The IDR continued to strengthen against USD and closed at IDR 14,886/USD.
- Indonesia's 5 year CDS is consistently below 100 bps and stood at 92.08 bps yesterday.
- SUN auction results : total incoming bids hit IDR45tn and total awarded bid of the 7 series offered were IDR16.1tn.
- Despite having higher incoming bids than in previous auction (IDR29.3tn incoming bids), yet the amount of issuance was slightly below the indicative target set at IDR17tn.

## 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 6.60-6.80% for today.
- Attractive Indo GB series to be traded today : FR0063, FR0070, FR0077, FR0081, FR0084, FR0072, FR0079, FR0083.

## Exhibit 4. 10 Year Indo GB Fair Yield



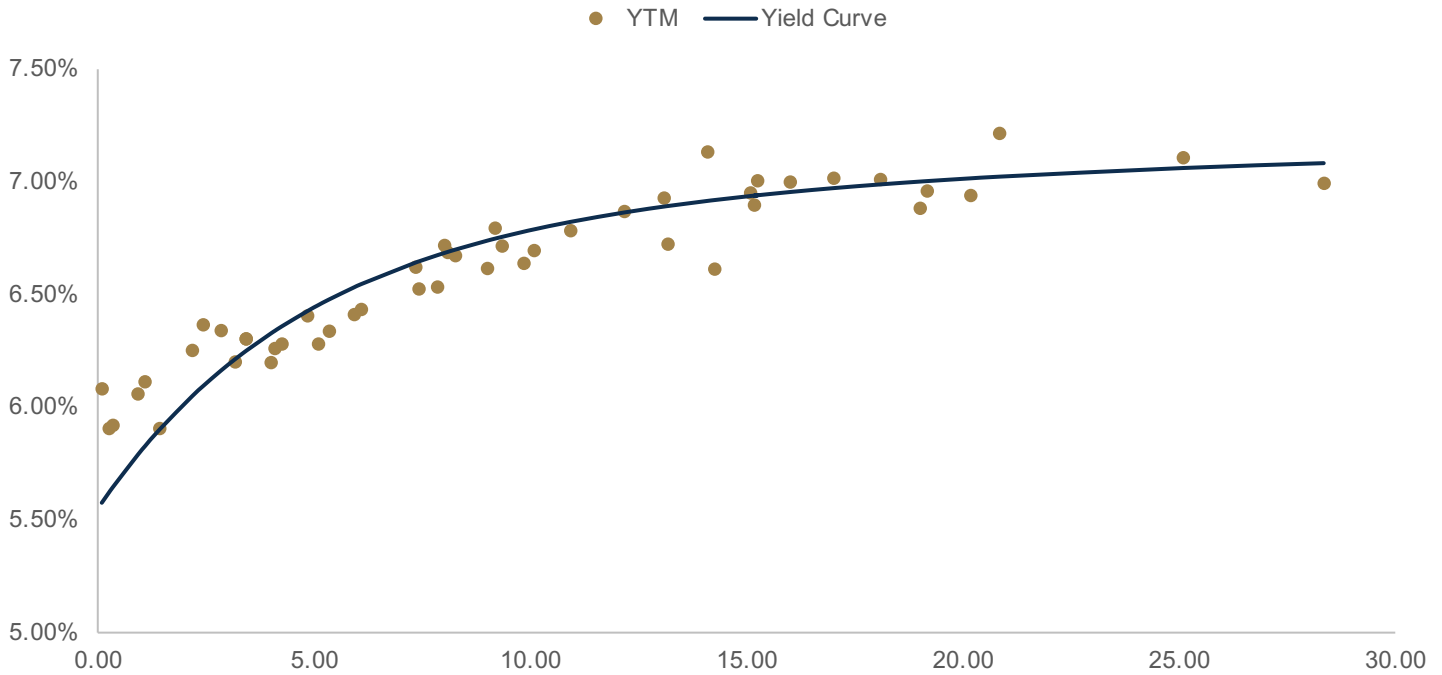
Source : Bloomberg, MNCS Calculation

## Exhibit 5. Indo GB Series Valuation

Series	Coupon	Maturity	TTM	Last Price	YTM	Yield Curve	Fair Price	Notes
FR63	5.625	15-May-23	0.09	99.95	6.08%	5.58%	99.99	Discounted
FR46	9.500	15-Jul-23	0.26	100.88	5.91%	5.62%	100.97	Discounted
FR39	11.750	15-Aug-23	0.35	101.92	5.92%	5.64%	102.05	Discounted
FR70	8.375	15-Mar-24	0.93	102.04	6.06%	5.79%	102.29	Discounted
FR77	8.125	15-May-24	1.09	102.08	6.11%	5.83%	102.39	Discounted
FR44	10.000	15-Sep-24	1.43	105.50	5.91%	5.90%	105.52	Fair
FR81	6.500	15-Jun-25	2.18	100.48	6.25%	6.05%	100.90	Discounted
FR40	11.000	15-Sep-25	2.43	110.24	6.37%	6.09%	110.90	Discounted
FR84	7.250	15-Feb-26	2.85	102.32	6.34%	6.16%	102.79	Discounted
FR86	5.500	15-Jun-26	3.18	98.11	6.20%	6.21%	97.96	Fair
FR37	12.000	15-Sep-26	3.43	117.28	6.30%	6.25%	117.48	Fair
FR56	8.375	15-Sep-26	3.43	106.28	6.30%	6.25%	106.45	Fair
FR90	5.125	15-Apr-27	4.01	96.24	6.20%	6.33%	95.79	Premium
FR59	7.000	15-May-27	4.09	102.62	6.26%	6.34%	102.34	Premium
FR42	10.250	15-Jul-27	4.26	114.60	6.28%	6.36%	114.31	Premium
FR47	10.000	15-Feb-28	4.85	114.75	6.41%	6.43%	114.67	Fair
FR64	6.125	15-May-28	5.09	99.32	6.28%	6.45%	98.59	Premium
FR95	6.375	15-Aug-28	5.35	100.16	6.34%	6.48%	99.53	Premium
FR71	9.000	15-Mar-29	5.93	112.58	6.41%	6.53%	111.96	Premium
FR78	8.250	15-May-29	6.09	109.02	6.44%	6.55%	108.44	Premium
FR52	10.500	15-Aug-30	7.35	122.25	6.62%	6.64%	122.13	Fair
FR82	7.000	15-Sep-30	7.43	102.74	6.53%	6.65%	102.03	Premium
FR87	6.500	15-Feb-31	7.85	99.78	6.53%	6.67%	98.93	Premium
FR85	7.750	15-Apr-31	8.01	106.31	6.72%	6.68%	106.52	Fair
FR73	8.750	15-May-31	8.09	112.72	6.69%	6.69%	112.71	Fair
FR54	9.500	15-Jul-31	8.26	117.70	6.67%	6.70%	117.53	Fair
FR91	6.375	15-Apr-32	9.01	98.38	6.62%	6.74%	97.57	Premium
FR58	8.250	15-Jun-32	9.18	109.80	6.80%	6.75%	110.14	Fair
FR74	7.500	15-Aug-32	9.35	105.37	6.71%	6.76%	105.08	Fair
<b>FR96</b>	<b>7.000</b>	<b>15-Feb-33</b>	<b>9.85</b>	<b>102.56</b>	<b>6.64%</b>	<b>6.78%</b>	<b>101.56</b>	<b>Premium</b>
FR65	6.625	15-May-33	10.09	99.47	6.70%	6.79%	98.80	Premium
FR68	8.375	15-Mar-34	10.93	112.13	6.78%	6.82%	111.81	Fair
FR80	7.500	15-Jun-35	12.18	105.14	6.87%	6.86%	105.17	Fair
FR72	8.250	15-May-36	13.09	111.24	6.93%	6.89%	111.59	Fair
FR88	6.250	15-Jun-36	13.18	95.88	6.73%	6.89%	94.48	Premium
FR45	9.750	15-May-37	14.09	123.00	7.13%	6.92%	125.25	Discounted
FR93	6.375	15-Jul-37	14.26	97.80	6.61%	6.92%	95.10	Premium
FR75	7.500	15-May-38	15.09	105.06	6.95%	6.94%	105.20	Fair
FR50	10.500	15-Jul-38	15.26	132.40	7.01%	6.94%	133.16	Fair
FR98	7.125	15-Jun-38	15.18	102.11	6.90%	6.94%	101.71	Fair
FR79	8.375	15-Apr-39	16.01	113.11	7.00%	6.96%	113.58	Fair
FR83	7.500	15-Apr-40	17.01	104.74	7.02%	6.97%	105.21	Fair
FR57	9.500	15-May-41	18.09	125.27	7.01%	6.99%	125.55	Fair
FR62	6.375	15-Apr-42	19.01	94.65	6.88%	7.00%	93.47	Premium
FR92	7.125	15-Jun-42	19.18	101.70	6.96%	7.00%	101.25	Fair
FR97	7.125	15-Jun-43	20.18	101.99	6.94%	7.02%	101.15	Premium
FR67	8.750	15-Feb-44	20.85	116.38	7.22%	7.02%	118.74	Discounted
FR76	7.375	15-May-48	25.09	103.11	7.11%	7.06%	103.65	Fair
FR89	6.875	15-Aug-51	28.35	98.53	6.99%	7.08%	97.45	Premium

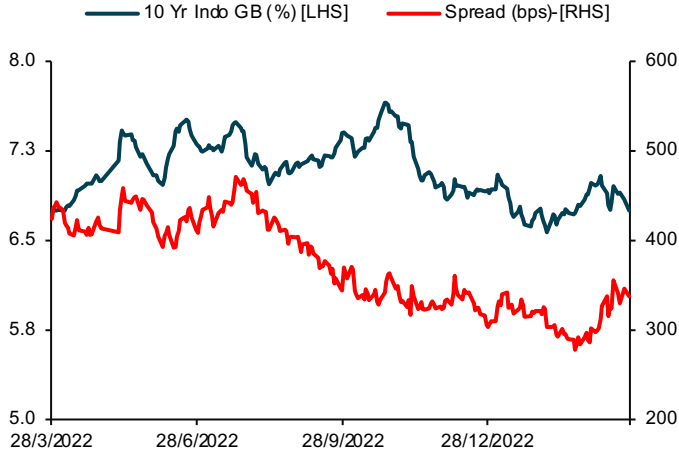
Source : Bloomberg, MNCS Calculation as of April 11, 2023

**Exhibit 6. Indo GB Yield Curve**



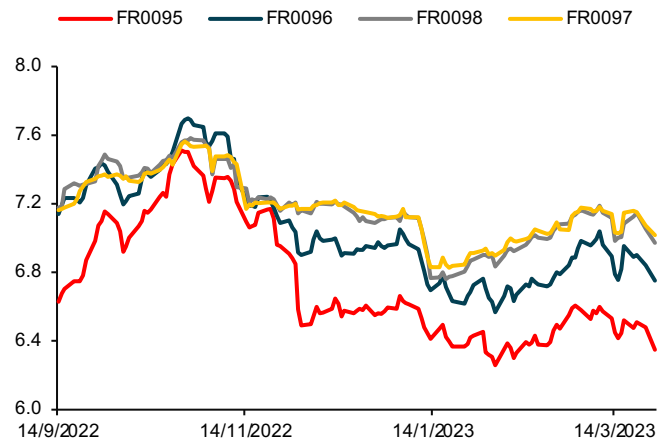
Source : Bloomberg, MNCS Calculation as of April 11, 2023

**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	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23
Bank	32.81	33.85	29.55	33.54	32.08	31.42	32.09	35.02	31.97	33.51	33.24	32.63
Central Bank (Nett)	17.77	16.56	20.89	17.18	18.66	19.38	18.56	15.49	19.21	17.28	17.49	17.91
Mutual Fund	3.18	3.13	3.16	3.14	3.14	3.06	2.98	2.88	2.75	2.76	2.94	2.98
Insurance & Pension Fund	15.33	15.68	15.94	16.32	16.29	16.54	16.81	16.87	16.44	16.24	16.45	16.70
Foreign	17.03	16.56	16.09	15.36	15.24	14.31	13.90	14.05	14.36	15.10	14.79	14.71
Individuals	5.63	5.80	5.81	5.89	5.86	6.37	6.64	6.66	6.48	6.37	6.34	6.29
Others	8.26	8.42	8.56	8.55	8.73	8.92	9.03	9.03	8.79	8.75	8.74	8.78

Source : DJPPR as of March 21, 2023

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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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