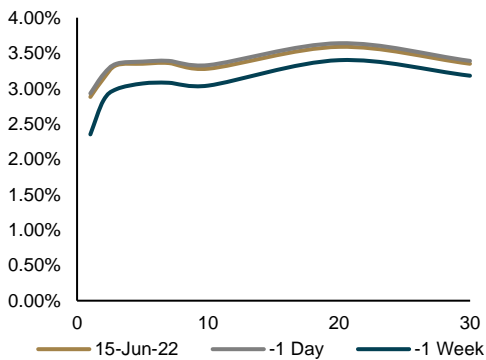


Exhibit 1. U.S. Treasury Yield



Source : U.S Treasury Department

Exhibit 2. Global Gov't Bond Yield

Countries	16-Jun-22	-1 Day	-1 Week
U.S	3.20%	3.29%	3.04%
U.K	2.51%	2.47%	2.32%
Germany	1.71%	1.64%	1.43%
Japan	0.25%	0.25%	0.25%
China	2.82%	2.82%	2.80%
Malaysia	4.35%	4.34%	4.21%
Thailand	3.00%	3.01%	2.82%

Source : Bloomberg

Exhibit 3. Market Indicators

Indicators	Unit	Value
U.S. Treasury	%	3.20
Indo 5-Year CDS	bps	137.51
USD/IDR	points	14,768
BI 7DRR	%	3.50

Source : Bloomberg as of June 16, 2022

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Global Market Update

- Yields on benchmark 10-year UST note fell 9 bps to 3.20% on Thursday (06/16/22).
- Yields dropped after US central bank raised FFR by 75 bps to 1.50-1.75% on the previous day.
- Major US stock indices dipped in red last night. DJI declined 2.42%; S&P 500 dropped 3.25% while Nasdaq Composite lost 4.08%.
- Yield on Eurozone government bond continued to rise after BoE raised interest rate by 25 bps to 1.25% marking the fifth consecutive rate hikes this year.
- UK government bond yield increased with the benchmark 10-year note was closed 4 bps higher to 2.51%.
- BoE also sees that even with the aggressive rate hikes, the inflation pace could still jumped by 11% in Oct-22 according to the forecast.
- Furthermore, UK's central bank also expect the output to shrink 0.3% this quarter.

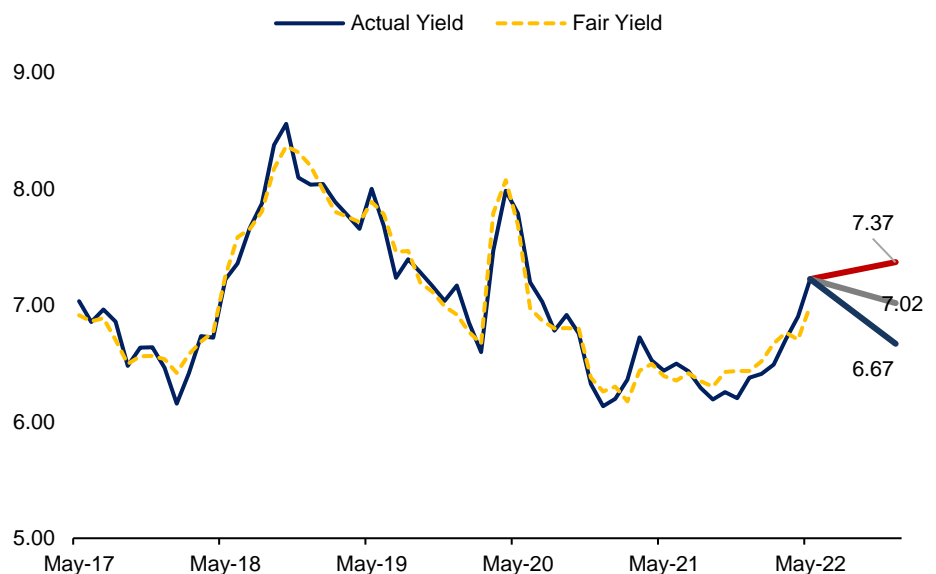
Domestic Market Update

- The benchmark 10-year Indo GB yield (FR0091) declined 3 bps to 7.37% on Thursday (06/16/22).
- The IDR weakened against USD and was closed at IDR14,768 yesterday (vs IDR14,745) in the previous day.
- Indonesia risk premium 5-year CDS jumped to 137.51 bps from previously at 105.16 bps.
- Indonesia's external debt ratio reached 32.5% of GDP in Apr-22, lower than the previous month's ratio of 33.8% in Mar-22.
- The decline in external debt was caused by a decline in the government's external debt position (-7.3% YoY), in line with the maturity of several series of government securities.

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 7.30-7.50% for today.
- Attractive Indo GB series to be traded today : FR0081, FR0084, FR0090, FR0047, FR0052, FR0054, FR0091.

Exhibit 4. 10 Year Indo GB Fair Yield



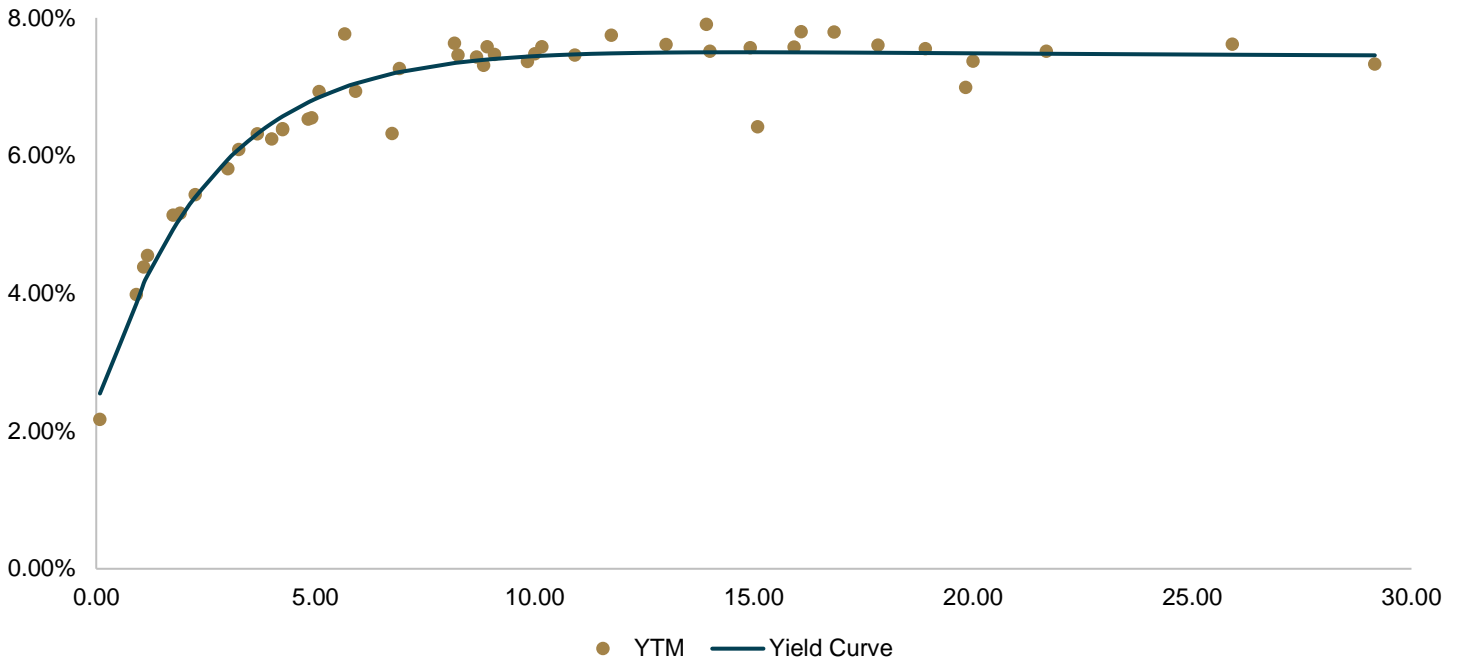
Source : Bloomberg, MNCS Calculation

Exhibit 5. Indo GB Series Valuation

Series	Coupon (%)	Maturity	TTM (Yr.)	Last Price	YTM (%)	Yield Curve (%)	Fair Price	Notes
FR43	10.250	15-Jul-22	0.08	100.55	2.17%	2.54%	100.61	Premium
FR63	5.625	15-May-23	0.91	101.44	3.98%	3.85%	101.57	Fair
FR46	9.500	15-Jul-23	1.08	105.28	4.38%	4.15%	105.59	Fair
FR39	11.750	15-Aug-23	1.16	108.00	4.55%	4.26%	108.42	Fair
FR70	8.375	15-Mar-24	1.75	105.31	5.13%	4.92%	105.70	Fair
FR77	8.125	15-May-24	1.91	105.30	5.16%	5.09%	105.46	Fair
FR44	10.000	15-Sep-24	2.25	109.48	5.43%	5.39%	109.61	Fair
FR81	6.500	15-Jun-25	3.00	101.87	5.81%	5.94%	101.51	Fair
FR40	11.000	15-Sep-25	3.25	114.21	6.09%	6.09%	114.24	Fair
FR84	7.250	15-Feb-26	3.67	102.99	6.32%	6.32%	103.00	Fair
FR86	5.500	15-Jun-26	4.00	97.50	6.24%	6.47%	96.64	Fair
FR37	12.000	15-Sep-26	4.25	120.58	6.38%	6.57%	119.81	Fair
FR56	8.375	15-Sep-26	4.25	107.24	6.39%	6.57%	106.57	Fair
FR90	5.125	15-Apr-27	4.83	94.27	6.53%	6.77%	93.29	Fair
FR59	7.000	15-May-27	4.91	101.86	6.55%	6.80%	100.82	Fair
FR42	10.250	15-Jul-27	5.08	113.98	6.93%	6.85%	114.38	Fair
FR47	10.000	15-Feb-28	5.67	110.05	7.77%	7.00%	113.84	Discounted
FR64	6.125	15-May-28	5.91	96.13	6.93%	7.05%	95.59	Fair
FR71	9.000	15-Mar-29	6.75	109.48	6.32%	7.19%	109.52	Premium
FR78	8.250	15-May-29	6.91	105.27	7.26%	7.21%	105.55	Fair
FR52	10.500	15-Aug-30	8.16	117.15	7.63%	7.35%	119.10	Fair
FR82	7.000	15-Sep-30	8.25	97.18	7.46%	7.35%	97.84	Fair
FR87	6.500	15-Feb-31	8.67	94.11	7.43%	7.38%	94.42	Fair
FR85	7.750	15-Apr-31	8.83	102.79	7.31%	7.39%	102.28	Fair
FR73	8.750	15-May-31	8.91	107.46	7.58%	7.40%	108.71	Fair
FR54	9.500	15-Jul-31	9.08	113.20	7.47%	7.41%	113.66	Fair
FR91	6.375	15-Apr-32	9.83	93.14	7.37%	7.44%	92.66	Fair
FR58	8.250	15-Jun-32	10.00	105.35	7.48%	7.45%	105.60	Fair
FR74	7.500	15-Aug-32	10.17	99.40	7.58%	7.45%	100.33	Fair
FR65	6.625	15-May-33	10.91	93.85	7.46%	7.47%	93.75	Fair
FR68	8.375	15-Mar-34	11.75	104.74	7.75%	7.49%	106.85	Fair
FR80	7.500	15-Jun-35	13.00	99.07	7.61%	7.50%	100.02	Fair
FR72	8.250	15-May-36	13.91	102.86	7.91%	7.50%	106.39	Discounted
FR88	6.250	15-Jun-36	14.00	89.16	7.52%	7.50%	89.27	Fair
FR45	9.750	15-May-37	14.91	119.30	7.57%	7.50%	119.96	Fair
FR93	6.375	15-Jul-37	15.08	99.56	6.42%	7.50%	89.92	Premium
FR75	7.500	15-May-38	15.91	99.31	7.57%	7.50%	99.98	Fair
FR50	10.500	15-Jul-38	16.08	124.48	7.80%	7.50%	127.74	Fair
FR79	8.375	15-Apr-39	16.83	105.35	7.80%	7.50%	108.29	Fair
FR83	7.500	15-Apr-40	17.83	98.97	7.61%	7.50%	100.03	Fair
FR57	9.500	15-May-41	18.91	119.40	7.55%	7.49%	120.13	Fair
FR62	6.375	15-Apr-42	19.83	93.45	6.99%	7.49%	88.59	Premium
FR92	7.125	15-Jun-42	20.00	97.45	7.37%	7.49%	96.28	Fair
FR67	8.750	15-Feb-44	21.67	113.05	7.52%	7.48%	113.50	Fair
FR76	7.375	15-May-48	25.91	97.27	7.62%	7.47%	98.95	Fair
FR89	6.875	15-Aug-51	29.16	94.53	7.33%	7.46%	93.10	Fair

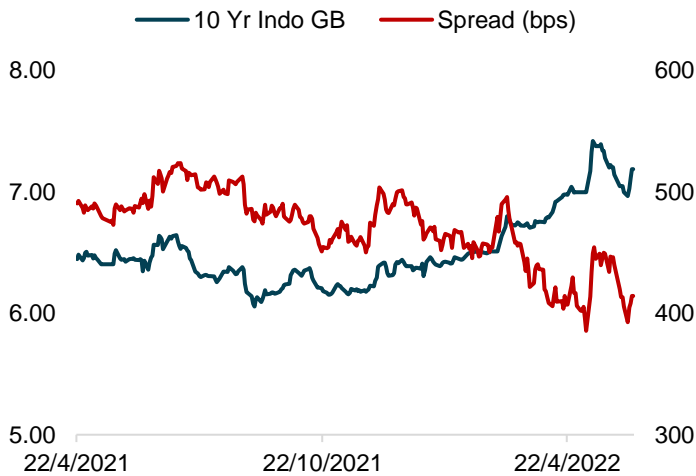
Source : Bloomberg, MNCS Calculation as of June 16, 2022

Exhibit 6. Indo GB Yield Curve



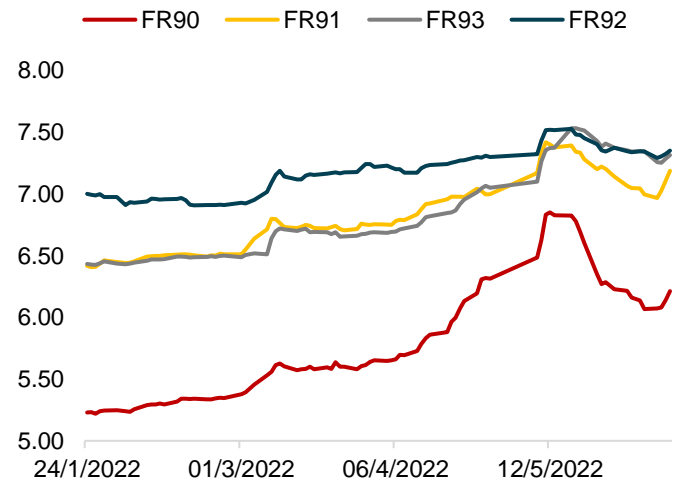
Source : Bloomberg, MNCS Calculation as of June 16, 2022

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	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22
Bank	32.5	31.92	33.45	33.69	34.77	35.63	34.01	35.47	35.82	35.03	32.81	32.25
Central Bank (Nett)	15.93	16.08	14.78	14.87	13.52	13.10	17.13	15.20	14.12	15.15	17.77	16.56
Mutual Fund	3.16	3.18	3.20	3.28	3.31	3.42	3.38	3.20	3.14	3.19	3.18	3.13
Insurance & Pension Fund	14.24	14.59	14.45	14.40	14.61	14.44	14.00	14.52	14.77	15.22	15.33	15.68
Foreign	22.82	22.53	22.44	21.56	21.24	20.55	19.05	18.97	18.82	17.57	17.03	16.56
Individuals	4.49	4.64	4.46	4.94	5.04	5.08	4.73	4.83	5.32	5.61	5.63	5.80
Others	6.95	7.07	7.21	7.25	7.50	7.78	7.70	7.82	8.01	8.22	8.26	8.42

Source : DJPPR as of 31 May 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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