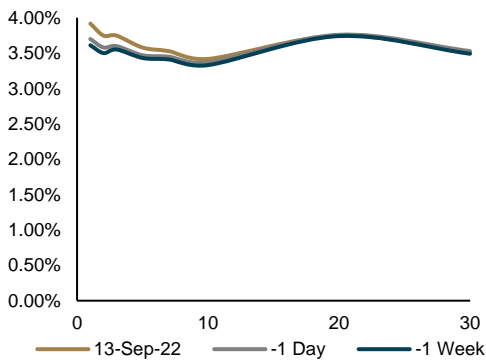


Exhibit 1. U.S. Treasury Yield



Source : U.S Treasury Department

Exhibit 2. Global Gov't Bond Yield

Countries	13-Sep-22	-1 Day	-1 Week
U.S	3.42%	3.36%	3.35%
U.K	3.17%	3.08%	3.10%
Germany	1.73%	1.65%	1.63%
Japan	0.24%	0.24%	0.24%
China	2.65%	2.64%	2.62%
Malaysia	4.04%	4.05%	4.02%
Thailand	2.73%	2.72%	2.61%

Source : Bloomberg

Exhibit 3. Market Indicators

Indicators	Unit	Value
U.S. Treasury	%	3.42
Indo 5-Year CDS	bps	108.70
USD/IDR	points	14,852
BI 7DRR	%	3.75

Source : Bloomberg as of September 13, 2022

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Global Market Update

- The benchmark 10-year note yield rose by 6 bps to 3.43% on Tuesday (09/13/22).
- On the other hand, the 2-year benchmark yield jumped 17 bps to 3.74% at the same time.
- Spread between 2/10-year UST note yield was at -32 bps, widening from previous position at -21 bps indicating a yield curve inversion.
- US stock indices tumbled. The DJI fell 3.94%; S&P 500 dropped 4.32%; Nasdaq Composite lost 5.16%.
- US stock market suffered the worst day since Jun-20 after Aug-22 CPI data release.
- US inflation rate increased 8.3% YoY last month. The figure was lower than the previous month rate of 8.5% YoY, yet still higher than consensus estimate of 8.1% YoY.
- Higher than expected inflation rate would likely to push Fed's plan to raise the reference interest rate further.

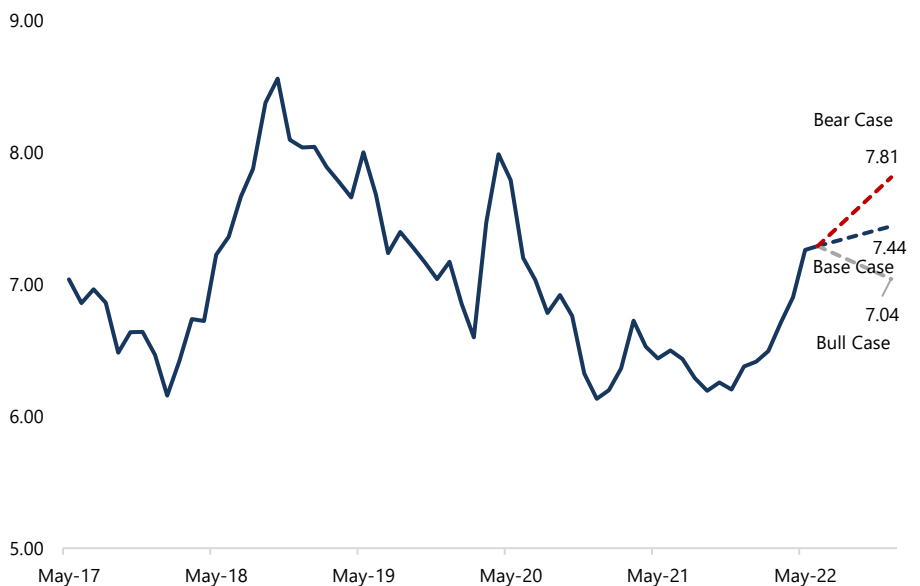
Domestic Market Update

- The benchmark 10-year Indo GB yield (FR0091) declined by 3 bps to 7.09% on Tuesday (09/13/22).
- Indonesia's 5-year CDS increased 7.5 bps to 108.70 bps on Tuesday (vs 101.19 bps on Monday).
- The IDR slightly weakened against USD. The IDR was closed at IDR14,852/USD on Tuesday (vs IDR14,842/USD on Monday).
- The government has successfully issued IDR19 trillion worth of SUN at auction on Tuesday (13/09/22), hence achieving the indicative target that already set.
- The success of SUN issuance was influenced by the increase in investor interest as reflected in the value of incoming bids amounting to IDR52tn (vs. IDR47tn previous auction).
- We see a high demand for SUN series which will become next year's benchmark FR0096 (10-year benchmark) and FR009/New Issuance (15-year benchmark) with total incoming bids reaching IDR26.1tn or equivalent to 50% of the total incoming bids for the 7 issued SUN series.

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 7.10-7.30% for today.
- Attractive Indo GB series to be traded today : FR0081, FR0086, FR0090, FR0064, FR0082, FR0087, FR0091, FR0096.

Exhibit 4. 10 Year Indo GB Fair Yield



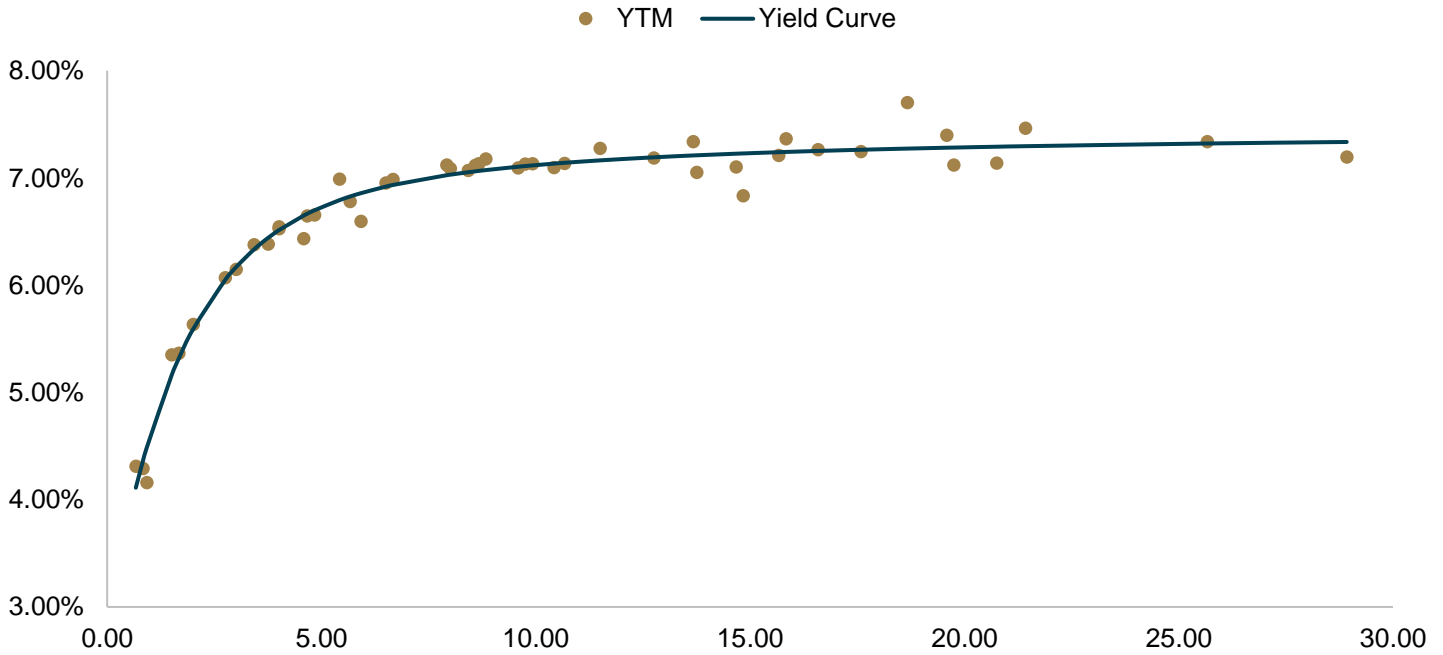
Source : Bloomberg, MNCS Calculation

Exhibit 5. Indo GB Series Valuation

Series	Coupon	Maturity	TTM	Last Price	YTM	Yield Curve	Fair Price	Notes
FR63	5.625	15-May-23	0.67	100.85	4.31%	4.11%	100.99	Discounted
FR46	9.500	15-Jul-23	0.84	104.20	4.29%	4.36%	104.17	Fair
FR39	11.750	15-Aug-23	0.92	106.75	4.16%	4.48%	106.48	Premium
FR70	8.375	15-Mar-24	1.50	104.30	5.35%	5.16%	104.60	Discounted
FR77	8.125	15-May-24	1.67	104.33	5.36%	5.32%	104.42	Fair
FR44	10.000	15-Sep-24	2.01	108.15	5.63%	5.59%	108.25	Fair
FR81	6.500	15-Jun-25	2.75	101.06	6.07%	6.05%	101.11	Fair
FR40	11.000	15-Sep-25	3.01	113.12	6.15%	6.17%	113.07	Fair
FR84	7.250	15-Feb-26	3.43	102.63	6.38%	6.34%	102.77	Fair
FR86	5.500	15-Jun-26	3.75	97.21	6.38%	6.44%	96.89	Fair
FR37	12.000	15-Sep-26	4.01	119.00	6.53%	6.51%	119.07	Fair
FR56	8.375	15-Sep-26	4.01	106.35	6.54%	6.51%	106.47	Fair
FR90	5.125	15-Apr-27	4.59	94.87	6.43%	6.65%	94.04	Premium
FR59	7.000	15-May-27	4.67	101.39	6.65%	6.67%	101.30	Fair
FR42	10.250	15-Jul-27	4.84	114.63	6.66%	6.70%	114.44	Fair
FR47	10.000	15-Feb-28	5.42	113.38	6.99%	6.80%	114.32	Discounted
FR64	6.125	15-May-28	5.67	96.95	6.78%	6.83%	96.72	Fair
FR95	6.375	15-Aug-28	5.92	98.94	6.59%	6.86%	97.66	Premium
FR71	9.000	15-Mar-29	6.50	110.55	6.95%	6.92%	110.74	Fair
FR78	8.250	15-May-29	6.67	106.63	6.99%	6.94%	106.90	Fair
FR52	10.500	15-Aug-30	7.92	120.18	7.12%	7.03%	120.81	Fair
FR82	7.000	15-Sep-30	8.01	99.47	7.09%	7.03%	99.80	Fair
FR87	6.500	15-Feb-31	8.43	96.42	7.07%	7.06%	96.51	Fair
FR85	7.750	15-Apr-31	8.59	104.00	7.12%	7.06%	104.35	Fair
FR73	8.750	15-May-31	8.67	110.30	7.13%	7.07%	110.75	Fair
FR54	9.500	15-Jul-31	8.84	114.98	7.18%	7.08%	115.71	Fair
FR91	6.375	15-Apr-32	9.59	95.06	7.09%	7.11%	94.96	Fair
FR58	8.250	15-Jun-32	9.75	107.75	7.13%	7.11%	107.88	Fair
FR74	7.500	15-Aug-32	9.92	102.58	7.13%	7.12%	102.67	Fair
FR96	7.000	15-Feb-33	10.43	99.30	7.10%	7.14%	99.00	Fair
FR65	6.625	15-May-33	10.67	96.21	7.14%	7.14%	96.16	Fair
FR68	8.375	15-Mar-34	11.50	108.46	7.28%	7.17%	109.36	Fair
FR80	7.500	15-Jun-35	12.75	102.58	7.19%	7.20%	102.50	Fair
FR72	8.250	15-May-36	13.67	107.76	7.34%	7.21%	108.91	Fair
FR88	6.250	15-Jun-36	13.75	93.00	7.05%	7.21%	91.67	Premium
FR45	9.750	15-May-37	14.67	123.85	7.10%	7.23%	122.55	Fair
FR93	6.375	15-Jul-37	14.84	95.76	6.83%	7.23%	92.27	Premium
FR75	7.500	15-May-38	15.67	102.67	7.21%	7.24%	102.37	Fair
FR50	10.500	15-Jul-38	15.84	129.00	7.36%	7.25%	130.35	Fair
FR79	8.375	15-Apr-39	16.59	110.62	7.26%	7.25%	110.70	Fair
FR83	7.500	15-Apr-40	17.59	102.49	7.25%	7.27%	102.30	Fair
FR57	9.500	15-May-41	18.67	117.63	7.70%	7.28%	122.49	Discounted
FR62	6.375	15-Apr-42	19.59	89.50	7.40%	7.28%	90.58	Fair
FR92	7.125	15-Jun-42	19.75	100.02	7.12%	7.29%	98.31	Premium
FR97	7.125	15-Jun-43	20.75	99.86	7.14%	7.29%	98.19	Premium
FR67	8.750	15-Feb-44	21.42	113.65	7.46%	7.30%	115.59	Discounted
FR76	7.375	15-May-48	25.67	100.40	7.34%	7.32%	100.57	Fair
FR89	6.875	15-Aug-51	28.92	96.13	7.19%	7.34%	94.46	Premium

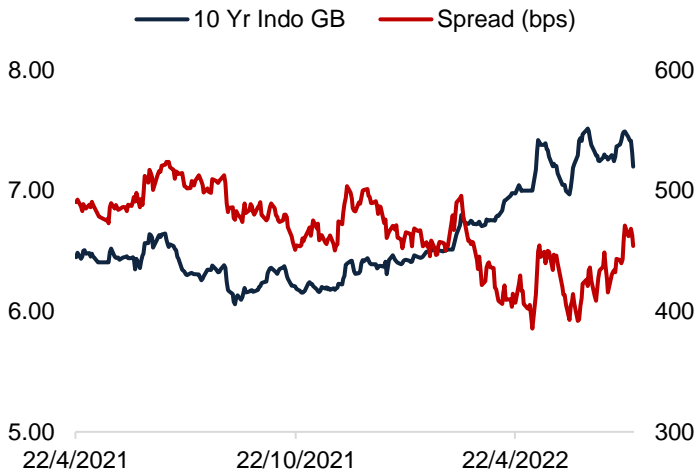
Source : Bloomberg, MNCS Calculation as of September 13, 2022

Exhibit 6. Indo GB Yield Curve



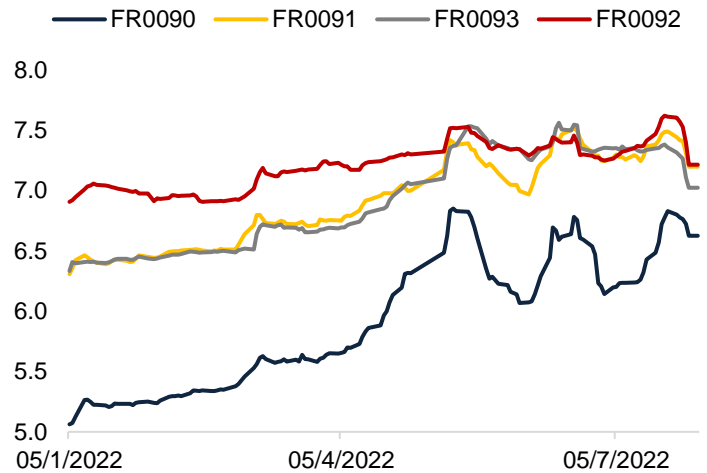
Source : Bloomberg, MNCS Calculation as of September 13, 2022

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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