

DYER & BLAIR

INVESTMENT BANK

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WEBINAR: BOND PRICING DEMYSTIFIED

JULY 20, 2020



1.0 INTRODUCTION

1.1 Definitions
1.2 Yield & Price Relationship
1.3 Bond Trading: Primary vs Secondary Market
1.4 Forms of Primary Issues

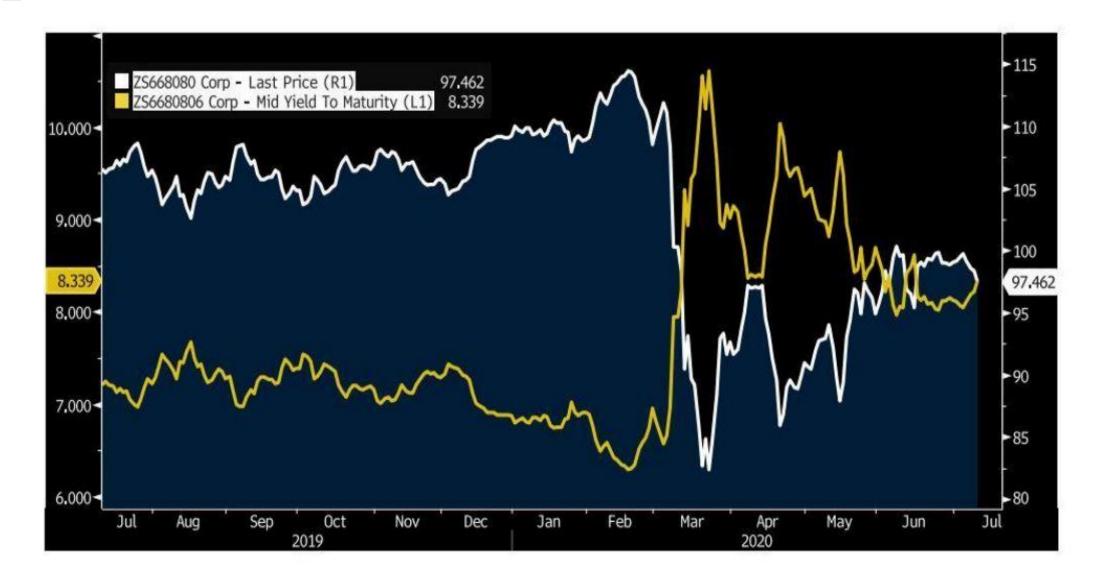
1.1 Definitions

Issue Number	 This is the identification number of each government bond issued e.g. IFB1/2018/15. (IFB1 - First infrastructure bond, Issued in 2018 with an investment horizon of 15 years)
Face Value	 This is the principal amount that you would invest into a particular bond. Coupon payments are based on this amount. Upon maturity, the maturity is paid back to the investor.
Coupon rate	 Annual rate of interest a bond holder receives on the face value (amount payable at maturity) of a bond. Coupons are usually distributed semi-annually (i.e. every 6 months)
Yield to Maturity (YTM)	 Total return anticipated on a bond assuming the investor holds the bond to maturity and reinvests each interest payment at the same rate. Compensates investors for time value of money and risk taken. Used to determine the price of a bond Where YTM =Coupon rate, bond trades at par (i.e. 100) Where YTM >Coupon rate, bond trades below par (i.e. discount) Where YTM <coupon (i.e.="" above="" bond="" li="" par="" premium)<="" rate,="" trades=""> </coupon>

1.1 Definitions

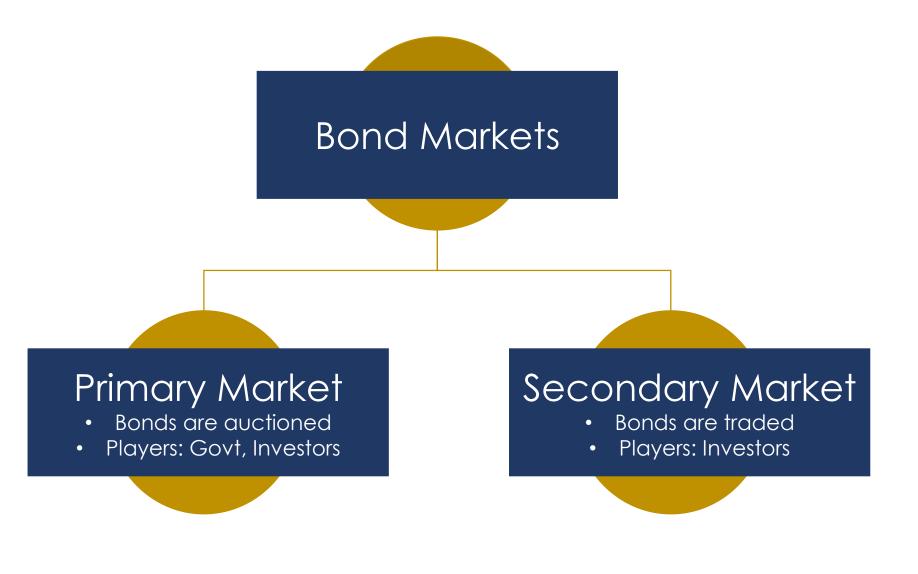
Accrued Interest	 Interest that builds between the last coupon payment date and the value date (date of settlement) of a bond.
Dirty Price	 The present value of all future interest payments and face value of a bond including the accrued interest since the last coupon as at the value date.
Clean Price	 Price that does not take into account accrued interest. Clean price = Dirty price - Accrued Interest On an interest payment date, clean price = dirty price
Maturity Date	 The date at which the bond will mature and the CBK pays back the whole face value of the bond to the investor. Investors don't have to hold the bond to maturity; one can sell the bond through the secondary market when a need or another opportunity arises.
Tax Obligations	 Interest on Infrastructure bonds (IFBs) is tax exempt. Interest on FXDs is taxed a withholding tax of 15.0% for maturities less than 10 years and 10.0% for maturities more than 10 years.

1.2 Yield & Price Relationship



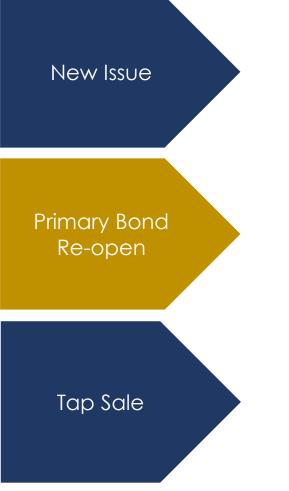
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1.3 Bond Trading _ Primary vs Secondary Market





1.4 Forms of Primary Issues



- These are bonds issued for the very first time by the government.
- Bids can be competitive or non-competitive.

- These are previously issued bonds which are re-auctioned by the government in the primary market.
- Thus available in both the primary and secondary market.
- Bids can be competitive or non-competitive
- Immediate re-open of a primary issue when the total amount accepted fails to meet the target amount for the issue.
- Tap sale of a re-open can also happen.
- Bids are strictly non-competitive.



2.0 PRIMARY AUCTION PROCESS

2.1 July 2020 Auction:
 Prospectus for Re-opened 5-YR, 10-YR
 and 15-YR FXD Treasury Bonds

2.2 Factors that may affect the July Issue



2.1 July 2020 Prospectus



FXD1/2020/5, FXD2/2018/10 & FXD1/2019/15

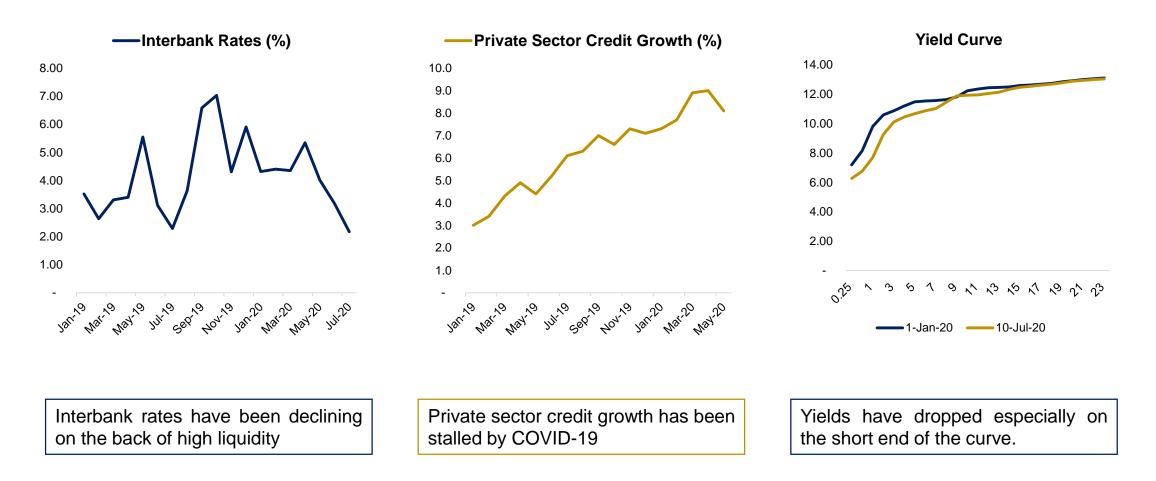
		is capacity as fiscal agent for the Republic of			Non-Bank Financial Institutions
ivites bids for the	above	bonds whose terms and conditions are as follows:-			Licensed Stock Brokers
	:	Republic of Kenya	Increase weath and		Licensed Investment Advisors
	:	Kshs. 60 Billion	Issuance method	-	Multi-Price Bid Auction.
	:	Budgetary Support	Non-Competitive Bids	:	Maximum Kshs. 20 Million per CDS account
	:	Five- year (4.90years)			per tenor. This does not apply to State corporations, public universities and Semi-
	:	Ten -year (8.49years)			Autonomous Government Agencies.
	:	Fifteen -year (13.61 years)	Bids Closure		Duly completed bond application forms must be
ate	:	Five year-11.667%	blus closure	•	submitted to any branch of the Central Bank in
	:	Ten year-12.502%			the specified tender box or via Treasury Mobile
	:	Fifteen year-12.857%			Direct (TMD) or CBK internet Banking by 2.00
sale	:	06/07/2020 to 21/07/2020			p.m on Tuesday, 21st July, 2020.
e	:	27/07/2020	Auction Date		Wednesday, 22/07/2020.
ote	:	Discounted/Premium/ Par	Results	:	Investors should obtain details of amounts
Amount	:	Kshs. 50,000.00	Results	•	payable for successful bids from Central Bank of
Payment Dates	:	FXD1/2020/05			Kenya on 23/07/2020 .
		09/11/2020 07/11/2022 04/11/2024	Defaulters	:	Defaulters may be suspended from subsequent
		10/05/2021 08/05/2023 05/05/2025	Derta attend	•	investment in Government Securities.
		08/11/2021 06/11/2023	Commission		Licensed placing agents will be paid commission
		09/05/2022 06/05/2024		•	at the rate of 0.15% of actual sales (at cost) net
		FXD2/2018/10			of 5% withholding tax.
		14/12/2020 12/06/2023 09/06/2025 07/06/2027	Rediscounting	:	The Central Bank will rediscount the bonds as
		14/06/2021 11/12/2023 08/12/2025 06/12/2027			a last resort at 3% above the prevailing market
		13/12/2021 10/06/2024 08/06/2026 05/06/2028			yield or coupon rate whichever is higher, upon
		13/06/2022 09/12/2024 07/12/2026 04/12/2028			written confirmation to do so from the Nairob
		12/12/2022			Securities Exchange.
		FXD1/2019/15	Liquidity	:	The bonds qualify for statutory liquidity ratio
		25/01/2021 22/07/2024 17/01/2028 14/07/2031			requirements for Commercial Banks and Non-
		26/07/2021 20/01/2025 17/07/2028 12/01/2032			Bank Financial Institutions as stipulated in the
		24/01/2022 21/07/2025 15/01/2029 12/07/2032			Banking Act CAP 488 of the Laws of Kenya.
		25/07/2022 19/01/2026 16/07/2029 10/01/2033	Listing	:	The bonds will be listed on the Nairobi Securities
		23/01/2023 20/07/2026 14/01/2030 11/07/2033			Exchange.
		24/07/2023 18/01/2027 15/07/2030 09/01/2034	Classification	:	The bonds are benchmark Bonds.
		22/01/2024 19/07/2027 13/01/2031	Eligibility	:	Only investors with active CDS Accounts with the
	:	Discount/Interest is subject to withholding tax at a rate of 15% for the 5-year and 10% for the 10			Central Bank of Kenya.
			Re-opening	:	The Bonds may be re-opened at a future date.
ion Dates		and 15-year . Five year -05/05/2025	Secondary Trading	:	Secondary trading in multiples of KShs
ion Dates	•	Ten year - 04/12/2028			50,000.00 to commence on Tuesday, 28th July
		Fifteen year-09/01/2034			2020.
nd Paying Agent		Central Bank of Kenya.	Right to accept applicatio	ns :	The Central Bank reserves the right to accept
gents	:	Commercial Banks			bids in full or part thereof or reject them in
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2.2 Factors that may affect the July Issue





3.0 LIVE PRICING OF BONDS



3.1 Fixed Coupon Bonds (FXDs)
 3.2 Infrastructure Bonds (IFBs)
 Introduction
 Live pricing
 Coupon Schedule

3.1.1 Fixed Coupon Bond (FXD)



Central Bank Of Kenya

PROSPECTUS FOR TEN YEAR FIXED COUPON TREASURY BOND

ISSUE NO. FXD 2/2018/10

TOTAL VALUE: KSHS 40 BILLION

DECEMBER 2018

For enquiries please contact Central Bank of Kenya, Financial Markets Department on 2860000 or our Branches in Mombasa, Kisumu and Eldoret or Nyeri, Meru and Nakuru Currency Centres or any Commercial Bank, Investment Bank, Stock Brokers or send an email to NDO@centralbank.go.ke or visit the CBK website on www.centralbank.go.ke

A. RESULTS FOR TEN YEAR FIXED COUPON TREASURY BOND ISSUE NO.FXD2/2018/10 DATED 17/12/2018

The auction outcome is summarised in the table below.

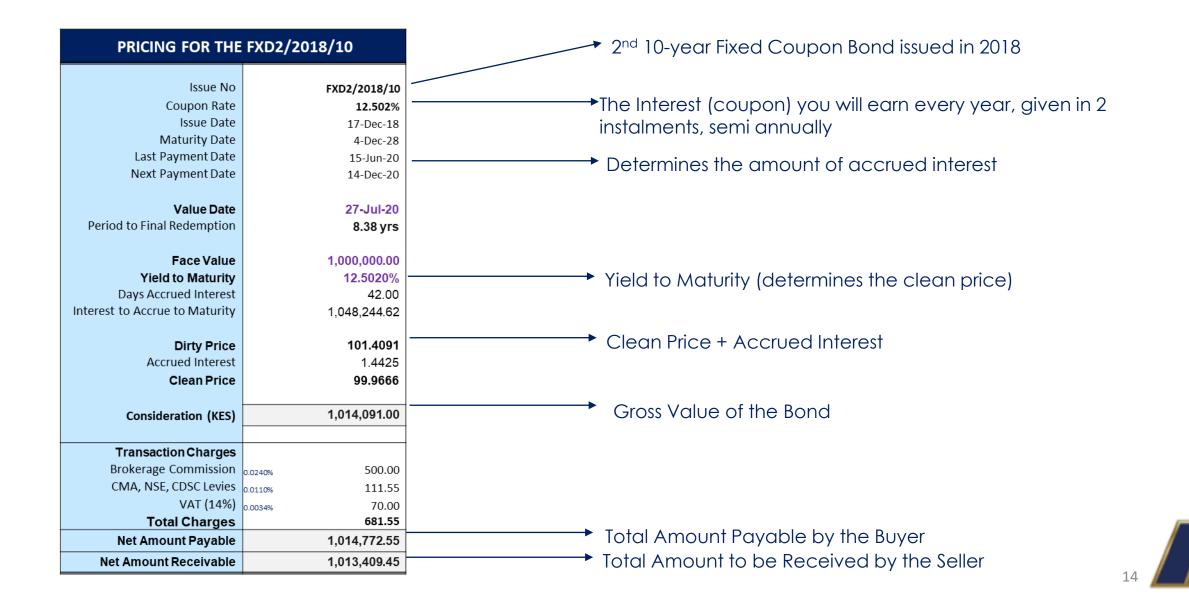
TENOR	10 YEAR
Due Date	04/12/2028
Total Amount Offered (Kshs. M)	40,000.00
Total bids Received at cost (Kshs. M)	28,860.50
Performance Rate (%)	72.15
Amount Accepted (Kshs. M)	26,158.96
Of which : Competitive bids	20,488.71
: Non-competitive bids	5,670.25
Bid-to-Cover Ratio	1.10
Market Weighted Average Rate (%)	12.580
Weighted Average Rate of Accepted Bids (%)	12.502
Price per Kshs 100 at average yield	100.000
Coupon Rate (%)	12.502
Purpose/ Application of funds:	
Redemptions	25,477.55
New Borrowing	681.41

B. COMPARATIVE INTEREST RATES

	THIS AUCTION (%)	LAST AUCTION (%)	VARIANCE
10 YEAR - MARKET WEIGHTED AVERAGE RATE	12.580	12.669	0.089
- WEIGHTED AVERAGE RATE OF ACCEPTED BIDS	12.502	12.665	0.163



3.1.2 Live Pricing I: Fixed Coupon Bond (FXD)



3.1.3 Coupon Schedule: FXD2/2018/10

Bond	FXD2/2018/10
Face Value	1,000,000
Coupon Rate	12.502%
Тах	10.000%
Maturity Date	12/4/2028

Payment Dates	Payment Type	Payment Amount
14-Dec-20	Coupon	56,259.00
14-Jun-21	Coupon	56,259.00
13-Dec-21	Coupon	56,259.00
13-Jun-22	Coupon	56,259.00
12-Dec-22	Coupon	56,259.00
12-Jun-23	Coupon	56,259.00
11-Dec-23	Coupon	56,259.00
10-Jun-24	Coupon	56,259.00
9-Dec-24	Coupon	56,259.00
9-Jun-25	Coupon	56,259.00
8-Dec-25	Coupon	56,259.00
8-Jun-26	Coupon	56,259.00
7-Dec-26	Coupon	56,259.00
7-Jun-27	Coupon	56,259.00
6-Dec-27	Coupon	56,259.00
5-Jun-28	Coupon	56,259.00
4-Dec-28	Coupon + Principal	1,056,259.00



3.2.1 Infrastructure Bond (IFB)



CENTRAL BANK OF KENYA

PROSPECTUS FOR GOVERNMENT OF KENYA INFRASTRUCTURE BOND OFFER

7-YEAR AMORTIZED BOND **ISSUE NO. IFB 1/2017/7**

TOTAL VALUE: KSHS 30 BILLION

NOVEMBER 2017

For enguiries please contact Central Bank of Kenya, Financial Markets Department on 2880000 or our Branches In Mombasa, Kisumu and Eldoret or Nyeri, Meru and Nakuru Currency Centres or any Commercial bank, Investment bank, stook brokers or send an email to NDO@centralbank.go.ke or visit the CBK website on www.centralbank.go.ke



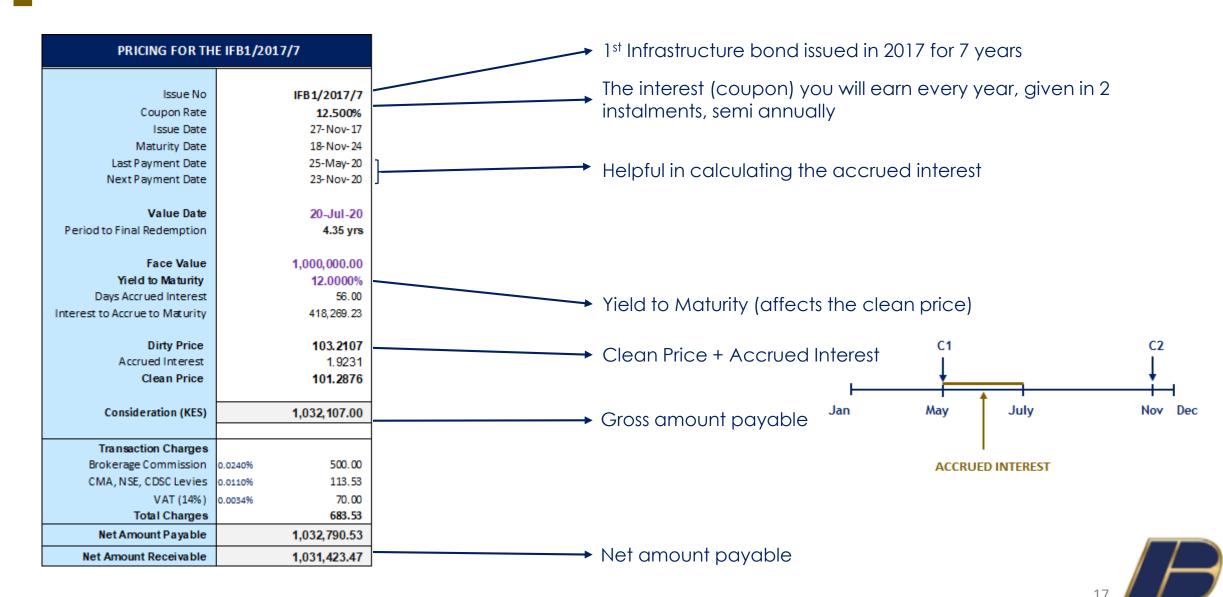
IFB 1/2017/7

The Central Bank of Kenya, acting in its capacity as fiscal agent for the Republic of Kenya, invites bids for the above bond whose terms and conditions are as follows:-Issuer Republic of Kenya :

100401		riopublic of rioliya		
Amount	:	Kshs. 30 Billion		
Purpose	:	For partial funding of infrastucture projects		
		in the following sectors: Roads- Kshs 10Bn,		
		Energy-Kshs15Bn, Water-5Bn		
Tenor	:	Seven-year		
Coupon	:	12.500% p.a		
Period of sale	:	14/11/2017 to 21/11/2017		
Value Date	:	27/11/2017		
Price Quote	:	Discounted/Premium/ Par		
Minimum Amount	:	Kshs. 100,000.00		
Interest Payment Date	es:	28/05/2018 22/11/2021		
		26/11/2018 23/05/2022		
		27/05/2019 21/11/2022		
		25/11/2019 22/05/2023		
		25/05/2020 20/11/2023		
		23/11/2020 20/05/2024		
		24/05/2021 18/11/2024		
Redemption Date		18/11/2024		
Taxation	1	The Bond will be tax free as is the case for all		
		Infrastructure Bonds as provided for under the		
		Income Tax Act.		
Redemption Structure	:	21st November, 2022- 50.000% of		
		unencumbered outstanding principal amount.		
		18th November, 2024 - 100% - Final		
		Redemption of all outstanding amounts.		
Amortization	:	No partial redemption will be paid on		
		encumbered securities on armotization dates.		
		Any amount upto Kshs. 1.0 million per CDS account at armotization will be redeemed in		
		full except for encumbered securities.		
Joouing and Daving As	onte			
Issuing and Paying Ag		-		
Placing Agents	:	Commercial Banks, Non-Bank Financial		
		institutions, Licensed Stock Brokers and		
		Licenced Investment Advisors.		

Auction Method	:	Multi-Price Bid Auction.	
Non-Competitive Bids :		Maximum Kshs 20 Million per investor.	
Bids Closure	:	Duly completed bond application forms	
		must be submitted to any branch of the	
		Central Bank in the specified tender box	
		by 2.00p.m on Tuesday, 21st November, 2017.	
Auction Date	:	Wednesday, 22/11/2017	
Results	:	Investors should obtain details of amounts	
		payable for successful bids, from Central	
		Bank on Thursday, 23/11/2017.	
Defaulters	:	Defaulters may be suspended from	
		subsequent investment in Government	
		Securities.	
Re-opening	:	The Bond may be re-opened at a future date	
Commission	:	Licensed placing agents will be paid	
		commission at the rate of 0.15% of actual	
		sales (at cost) net of 5% withholding tax.	
Rediscounting	:	The Central Bank will rediscount the bond as a	
		last resort at 3% above the prevailing marke	
		yield or coupon rate whichever is higher, upor	
		written confirmation to do so from the	
		Nairobi Securities Exchange.	
Liquidity	:	The bond qualifies for statutory liquidity ratio	
		requirements for Commercial Banks and Nor	
		Bank Financial Institutions as stipulated in the	
		Banking Act CAP 488 of the Laws of Kenya	
Listing	:	The bond will be listed on the Nairobi Securities	
		Exchange.	
Classification	:	The bond is a non-benchmark Bond	
Eligibility	:	Only CDS Account holders	
Secondary Trading	:	Secondary trading in multiples of KShs	
		50,000.00 to commence on Tuesday, 28th	
		November, 2017.	
Right to accept application of the second seco	tions:	The Central Bank reserves the right to	
		accept bids in full or part thereof or reject	
		them in total without giving any reason.	

3.2.2 Live Pricing II: Infrastructure Bond (IFB)



3.2.3 Coupon Schedule: IFB1/2017/7

Bond	IFB1/2017/7
Face Value	1,000,000
Тах	0.00%
Coupon Rate	12.50%
Maturity Date	11/18/2024

Payment Dates	Payment Type	Payment Amount
23-Nov-20	Coupon	62,500.00
24-May-21	Coupon	62,500.00
22-Nov-21	Coupon	62,500.00
23-May-22	Coupon	62,500.00
21-Nov-22	Coupon + 50% Principal	562,500.00
22-May-23	Coupon	31,250.00
20-Nov-23	Coupon	31,250.00
20-May-24	Coupon	31,250.00
18-Nov-24	Coupon + 100% Principal	531,250.00



4.0 HOW TO INVEST

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□ 4.1 Alternative methods

4.2 Primary vs Secondary Trading

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4.1 Alternative Methods





4.2 Primary vs Secondary Trading

Primary Auction

- At primary auction, DBIB processes for both CBK account holders and DBIB account holders.
- FXD Minimum Amount: KES 50,000 only
- IFB Minimum Amount: KES 100,000 only

Secondary Trading

• DBIB sources counter-party trades and closes the trade on behalf of the client.





For further queries, feel free to email: privatewealth@dyerandblair.com research@dyerandblair.com shares@dyerandblair.com







Dyer and Blair Investment Bank 7th Floor, Goodman Tower, Waiyaki Way P.O.BOX 45396 -00100, Nairobi, Kenya www.dyerandbair.com | +254 709 930 000