

The Hashemite Kingdom of Jordan
TELECOMMUNICATIONS REGULATORY COMMISSION



**EXPLANATORY MEMORANDUM
FOR CHARGES FOR
FIXED INTERCONNECTION SERVICES
BASED ON TSLRIC+ MODELS**

Implementation of TSLRIC+ for fixed services

Summary

This document sets out details of TRC’s pricing decision in relation to the implementation of TSLRIC+ pricing for the relevant regulated services of fixed operators in Jordan. The purpose of this document is to give the operators an understanding of how TRC has implemented TSLRIC+ pricing in conjunction with the release of the efficient operator models.

Accompanying this Explanatory Note is a redacted version of the efficient operator model.

Fixed termination rates 2024-2027

The table below sets out the fixed termination rates that will apply in the period 2024-2027.

National Call Termination

Rate per minute (fils)	2024	2025	2026	2027
Blended	2.9	2.8	2.7	2.6

Timing of the implementation

The Interconnection charges set out in the Pricing Decision shall apply from 1st January 2024 till 31 December 2027, after 3 years, if necessary, TRC intends to undertake a review of the TSLRIC+ models and, if deemed convenient, will work with the industry to update the TSLRIC+ models. In general, TRC will monitor market conditions and, if justified, may update the forecasts and key assumptions in the TSLRIC+ models.

Implementation of LRIC-based Interconnection Charges

The approach adopted by TRC when setting the new regulated charges is described below:

1. When the new charges were considered to be close to the previous ones and/or the regulated services under consideration were not material under the current market situation, a fixed charge has been set for the 2024-2027 period, which is extracted as the average of the efficient operator model’s results for the relevant period.
2. When the new charges were considered not to be close to the previous ones and the regulated services under consideration were material under the current market situation, a glide path has been defined so as to smooth the impact on the market of the Decision.

Symmetrical rates

The TRC Decision 17-5/2009 stated that one set of rates for fixed services will be implemented. These rates will apply to all licensed fixed operators in Jordan. The rates described in this note are calculated from the TSLRIC+ fixed efficient-operator model.

Other services

The TRC efficient-operator model calculates rates for all regulated fixed services. The proposed prices for all fixed services are shown in Annex 3.

Efficient operator model

In line with TRC Decision 17-5/2009, TRC has constructed a model of an equivalent efficient fixed operator with the size and scope of Orange Fixed.

Annex 1- Efficient Operator Model

Introduction

Since 2005, the Telecommunications Regulatory Commission (hereinafter, 'TRC') has shown its motivations to adopt a "*Total Service Long-Run Incremental Cost Plus*" (hereinafter, 'TSLRIC+') as the preferred mechanism for wholesale price setting in the Kingdom.

In September 2009, TRC published its "*Regulatory decision on the principles to be used in the construction of TSLRIC+ models for the costs of interconnection Services*", which was later followed by the submission of the Hybrid TSLRIC+ models and the publication by TRC in 2011 of the regulatory decisions including its regulated wholesale charges for fixed and mobile interconnections services.

TRC has updated the Hybrid TSLRIC+ models and the applicable charges with new wholesale prices in 2017 and published the regulated wholesale charges in the two decisions presented below:

- Regulatory decision on charges for fixed interconnection services based on TSLRIC+ models
- Regulatory decision on charges for mobile interconnection services based on TSLRIC+ models

Having reached the end of the period reflected in the previous regulatory decisions (2021), TRC decided in 2022 to start a new wholesale price process to update the applicable charges. The industry was informed in late 2022 of the initiation of this process and was welcomed to participate throughout the process at different stages such as:

- Data gathering process
- Review and disclose the Hybrid TSLRIC+ Models with relevant operators

As part of this process, TRC has updated its Hybrid TSLRIC+ models on the grounds of the methodology that was established in September 2009 to recognise the latest technological developments that have taken place in the market, which are detailed in the following sections.

Based on the modelling methodology that was laid out in the Decision, TRC received data from the Jordan Telecommunications Company ("Orange Fixed"). TRC carried out an extensive engagement with Orange Fixed, being given the opportunity to comment on its own cost model and on the efficient operator variants. These models were accompanied by manuals that described their technical algorithms as well as their overall rationale. In finalising the models and using them to establish interconnection charges, TRC has carefully considered all of the comments and notes received from Orange Fixed in the construction of the TSLRIC+ models during the above-mentioned stages. All these comments and the related actions taken by TRC are reflected in Annex 2.

Since the last update of TRC's Hybrid TSLRIC+ models in 2016/2017, the Jordanian telecom markets have undergone significant changes which need to be recognised to correctly assess the results of the updated TSLRIC+ models. The following sections describe the main evolutions of the telecom sector since then and which have been implemented in the updated models, as well as some specific considerations which are of particular importance for the TSLRIC+ pricing.

Technological improvements in fixed networks

Specifically, since 2017, significant developments have gone underway in terms of the technological solutions available for the provision of fixed telecom services, with some of the most notorious being:

1. Massive take-up of fibre to the Home (FTTH) access services
2. Increasing capacity of transmission links
3. Increasing broadband traffic consumption per user
4. Introduction of other new services (VULA, IXP, higher broadband speeds)

These technological developments have also been accompanied by changes in demand, mainly shifting towards increased broadband data traffic.

Traffic Evolution

As previously outlined, the fixed market has experienced an increase in demand for broadband services, especially related to new high-capacity technologies. In addition, this growth has also reflected an increase in broadband traffic consumption per user, which all together has represented the main change that has affected more heavily the unit costs of services due to increased efficiencies.

When assessing the evolution of broadband services between 2020 and 2027, and as graphically outlined below, not only a yearly 7.0% increase in the number of broadband lines is registered, but also a 31.0% increase in the average broadband speed:

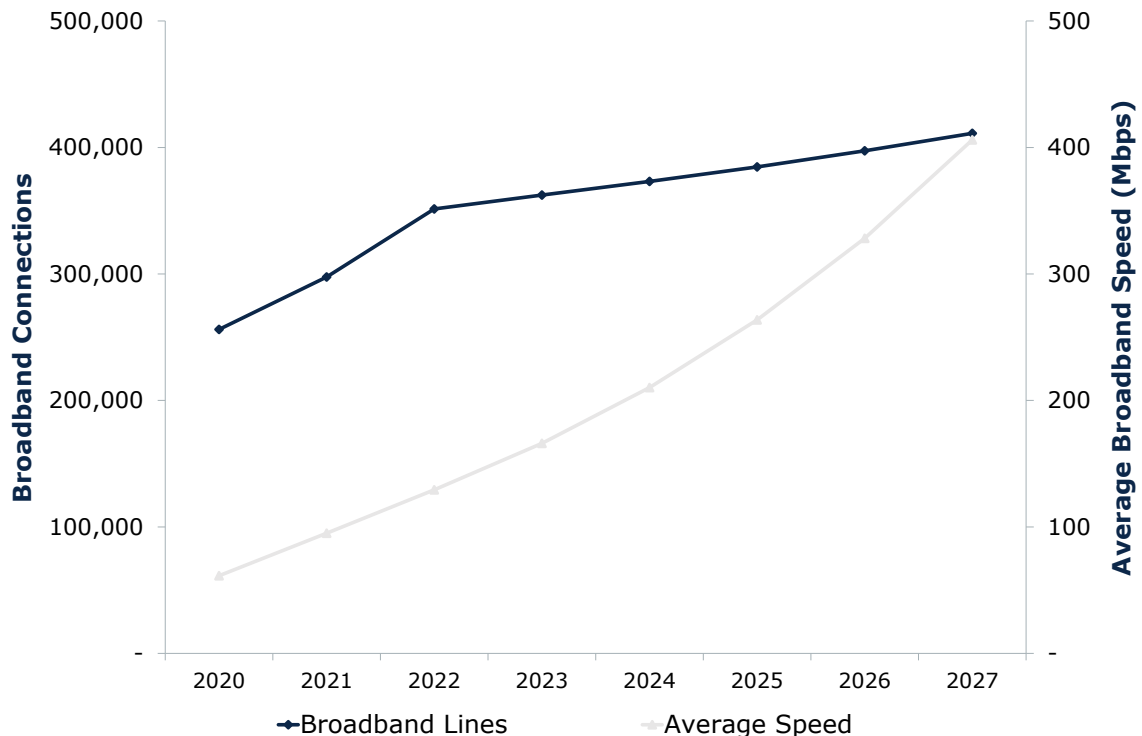


Exhibit 0.1: Evolution of fixed broadband lines and average speed [Source: TRC]

The above increase in the overall demand of broadband services will result in larger economies of scale for the incumbent operator, which would result in a decrease of the unit cost of fixed telecom services when compared with the previous 2017 situation.

At the same time, as a result of the economies of scale of telecommunications networks, the increase in the broadband demand will not only result in a likely decrease of the unit costs of broadband services, but also in the reduction of the unit costs of other services (e.g., voice, leased lines) due to the higher utilisation of the network's capacity.

Annex 2 - Overview of the comments received from operators

The table below summarizes the main comments received from operators and the related actions taken by TRC. It must be noted that comments are presented confidentially.

#	I/E ¹	Comment received from the operator	Action taken by TRC
1	I/E	An operator claims that the demand projections included in the model are not aligned with projections provided by the operator as part of the data collection process.	TRC indicates that the projections are, by definition, subject to some degree of uncertainty and, thus, disagreements on the actual figures to consider are more common. Nevertheless, TRC clarifies that operator's comments have been thoroughly studied and, where appropriate, operator's own projections have been considered.
2	I	An operator claims that the historic demand for ADSL retail lines has been changed in the model with respect to the demand originally provided by the operator.	TRC has reassessed the ADSL retail lines included in the model and adjusted it in the model accordingly.
3	I	An operator claims that the model includes demand for services that the operator actually is not providing.	TRC acknowledges that some reference demand figures were introduced for these services in order to ensure that the model produced results for them. Nevertheless, TRC acknowledges that the demand levels considered could artificially impact the results retrieved by the model and, consequently, it has reduced the demand for these services to 1 while ensuring that the model continues to deliver results for such services.
4	I	An operator indicates that the cost trend used in the models for buildings and lands is not aligned with the input provided by the operator.	The cost trends were updated in the model based on the comment provided by the operator.
5	I/E	An operator indicates that the model does not include the figures provided by the operator to calculate the cost of LLU service.	TRC clarifies that many of the figures provided by the operator have been considered in the model. However, it is also true that some of these have been included together with other costs items, not being directly identifiable, or, after being compared and cross-checked with other references, have undergone some adjustment to ensure their representativeness.

¹ Comment related to Individual operator-specific model (I) and/or Efficient operator model (E).

#	I/E ¹	Comment received from the operator	Action taken by TRC
6	I/E	An operator argues that the CapEx and OpEx obtained in the model are not aligned with its financial statements.	TRC indicates that all unit cost inputs provided by the operators were cross-checked against the references adopted by other regulators in the development of similar cost models to ensure their representativeness. This resulted in some adjustments to the unit cost inputs originally provided by them – both to the downside and to the upside. The reconciliation exercise proved these modifications to be reasonable, as the results in terms of annual depreciation and OpEx were properly aligned with the financials from the operator.
7	I/E	An operator points out that there is a difference between the results for the retail outgoing services versus the origination non-geographical services.	TRC notes that these services, while have certain similarities, are not directly comparable to each other, as they do not use exactly the same network elements, nor do they have the same relevance in the market context. Therefore, they should not be expected to have the same results.
8	E	An operator claims the inclusion of higher speeds than 1 Gbps for services such as VULA FTTH, as demand for higher speeds is expected to increase in the following years.	TRC acknowledges operator’s comment and agrees to increase the range of speeds for the VULA FTTH service.

Annex 3- Pricing of fixed services:

The tables below set out the pricing of all fixed services based on the efficient-operator model. Board of Commissioners Decision No.19-13/2023 issued on 27/12/2023

National Call Termination

		Rate Unit	2024	2025	2026	2027
Charging Level	Blended	Fils/min	2.9	2.8	2.7	2.6

National Call Transit

		Rate Unit	2024	2025	2026	2027
Charging Level	Transit	Fils/min	2.2	2.2	2.2	2.2

International Call Transit

		Rate Unit	2024	2025	2026	2027
Charging Level	Blended	Fils/min	2.4	2.4	2.4	2.4

Emergency Service

		Rate Unit	2024	2025	2026	2027
Charging Level	Blended	Fils/min	1.2	1.2	1.2	1.2

National Directory Enquiries

		Rate Unit	2024	2025	2026	2027
Charging Level	Blended	Fils/min	54.8	54.8	54.8	54.8

Operator Assistance (including Call Connection Services)

		Rate Unit	2024	2025	2026	2027
Charging Level	Blended	Fils/min	54.8	54.8	54.8	54.8

Interconnect Link Service port

Category	Charge	Rate Unit	2024	2025	2026	2027
Installation Charges	2 Mbps port installation	JD	8.1	8.1	8.1	8.1

Category	Charge	Rate Unit	2024	2025	2026	2027
Rental charges	2Mbps port rental charge per month	JD/month	2.7	2.7	2.7	2.7
Installation Charges	Fast Ethernet port installation	JD	8.1	8.1	8.1	8.1
Rental Charges	Fast Ethernet port rental charge per month	JD/month	7.5	7.5	7.5	7.5
Installation Charges	Gigabit Ethernet port installation	JD	8.1	8.1	8.1	8.1
Rental Charges	Gigabit Ethernet port rental charge per month	JD/month	8.8	8.8	8.8	8.8
Installation Charges	10 Giga Ethernet port installation	JD	8.1	8.1	8.1	8.1
Rental Charges	10 Giga Ethernet port rental charge per month	JD/month	15.3	15.3	15.3	15.3

Interconnect Link Extension port

	Rate Unit	2024	2025	2026	2027
2 Mbps port installation	JD	8.1	8.1	8.1	8.1
2 Mbps exchange port rental charge per month/port	JD/port/month	2.7	2.7	2.7	2.7
Fast Ethernet port installation	JD	8.1	8.1	8.1	8.1
Fast Ethernet exchange port rental charge per month/port	JD/port/month	7.5	7.5	7.5	7.5
Gigabit Ethernet port installation	JD	8.1	8.1	8.1	8.1
Gigabit Ethernet exchange port rental charge per month/port	JD/port/month	8.8	8.8	8.8	8.8
10 Giga Ethernet port installation	JD	8.1	8.1	8.1	8.1
10 Giga Ethernet exchange port rental charge per month/port	JD/port/month	15.3	15.3	15.3	15.3

Billing and Collection Service

		Rate Unit	2024	2025	2026	2027
Billing and Collection	Billing and Collection Service	JD/bill	1.0	1.0	1.0	1.0

International Access Service

		Rate Unit	2024	2025	2026	2027
Charging Level	Blended	Fils/min	2.6	2.6	2.6	2.6

International IP Capacity

		Rate Unit	2024	2025	2026	2027
Set up charge		JD	410.8	410.8	410.8	410.8
Rental charge	Capacity rental charge per Mbps per month	JD/Mbps/month	1.7	1.7	1.7	1.7

Collocation and infrastructure sharing service (excluding Duct and Dark Fiber sharing)

Governorate	Item	Unit	Rate Unit	2024	2025	2026	2027
Amman	19-inch rack space in shared supplied cabinet (standard 60x90x200)	RU1	JD/unit/month	9.2	9.2	9.2	9.2
		Reservation		9.2	9.2	9.2	9.2
	Cabinet space for standard 60x90x200 cabinet in shared room	Cabinet space	JD/unit/month	239.4	239.4	239.4	239.4
		Reservation		239.4	239.4	239.4	239.4
	Secure room for exclusive use of the Licensee	Sqm	JD/unit/month	139.3	139.3	139.3	139.3
		Reservation		139.3	139.3	139.3	139.3
Irbid	19-inch rack space in shared supplied cabinet (standard 60x90x200)	RU1	JD/unit/month	5.7	5.7	5.7	5.7
		Reservation		5.7	5.7	5.7	5.7
	Cabinet space for standard 60x90x200 cabinet in shared room	Cabinet space	JD/unit/month	149.5	149.5	149.5	149.5
		Reservation		149.5	149.5	149.5	149.5
	Secure room for exclusive use of the Licensee	Sqm	JD/unit/month	87.0	87.0	87.0	87.0
		Reservation		87.0	87.0	87.0	87.0
Ajloun	19-inch rack space in shared supplied cabinet (standard 60x90x200)	RU1	JD/unit/month	5.6	5.6	5.6	5.6
		Reservation		5.6	5.6	5.6	5.6
	Cabinet space for standard 60x90x200 cabinet in shared room	Cabinet space	JD/unit/month	146.3	146.3	146.3	146.3
		Reservation		146.3	146.3	146.3	146.3
	Secure room for exclusive use of the Licensee	Sqm	JD/unit/month	85.1	85.1	85.1	85.1

Governorate	Item	Unit	Rate Unit	2024	2025	2026	2027
		Reservation		85.1	85.1	85.1	85.1
Jerash	19-inch rack space in shared supplied cabinet (standard 60x90x200)	RU1	JD/unit/month	6.2	6.2	6.2	6.2
		Reservation		6.2	6.2	6.2	6.2
	Cabinet space for standard 60x90x200 cabinet in shared room	Cabinet space	JD/unit/month	162.5	162.5	162.5	162.5
		Reservation		162.5	162.5	162.5	162.5
	Secure room for exclusive use of the Licensee	Sqm	JD/unit/month	94.5	94.5	94.5	94.5
		Reservation		94.5	94.5	94.5	94.5
Mafraq	19-inch rack space in shared supplied cabinet (standard 60x90x200)	RU1	JD/unit/month	5.6	5.6	5.6	5.6
		Reservation		5.6	5.6	5.6	5.6
	Cabinet space for standard 60x90x200 cabinet in shared room	Cabinet space	JD/unit/month	146.3	146.3	146.3	146.3
		Reservation		146.3	146.3	146.3	146.3
	Secure room for exclusive use of the Licensee	Sqm	JD/unit/month	85.1	85.1	85.1	85.1
		Reservation		85.1	85.1	85.1	85.1

Governorate	Item	Unit	Rate Unit	2024	2025	2026	2027
Balqa	19-inch rack space in shared supplied cabinet (standard 60x90x200)	RU1	JD/unit/month	6.7	6.7	6.7	6.7
		Reservation		6.7	6.7	6.7	6.7
	Cabinet space for standard 60x90x200 cabinet in shared room	Cabinet space	JD/unit/month	173.5	173.5	173.5	173.5
		Reservation		173.5	173.5	173.5	173.5
	Secure room for exclusive use of the Licensee	Sqm	JD/unit/month	100.9	100.9	100.9	100.9
		Reservation		100.9	100.9	100.9	100.9
Azarqah	19-inch rack space in shared supplied cabinet (standard 60x90x200)	RU1	JD/unit/month	6.4	6.4	6.4	6.4
		Reservation		6.4	6.4	6.4	6.4
	Cabinet space for standard 60x90x200 cabinet in shared room	Cabinet space	JD/unit/month	166.5	166.5	166.5	166.5
		Reservation		166.5	166.5	166.5	166.5
	Secure room for exclusive use of the Licensee	Sqm	JD/unit/month	96.9	96.9	96.9	96.9
		Reservation		96.9	96.9	96.9	96.9
Madaba	19-inch rack space in shared supplied cabinet (standard 60x90x200)	RU1	JD/unit/month	6.1	6.1	6.1	6.1
		Reservation		6.1	6.1	6.1	6.1
	Cabinet space for standard 60x90x200 cabinet in shared room	Cabinet space	JD/unit/month	157.8	157.8	157.8	157.8
		Reservation		157.8	157.8	157.8	157.8
	Secure room for exclusive use of the Licensee	Sqm	JD/unit/month	91.8	91.8	91.8	91.8
		Reservation		91.8	91.8	91.8	91.8

Governorate	Item	Unit	Rate Unit	2024	2025	2026	2027
Karak	19-inch rack space in shared supplied cabinet (standard 60x90x200)	RU1	JD/unit/month	5.6	5.6	5.6	5.6
		Reservation		5.6	5.6	5.6	5.6
	Cabinet space for standard 60x90x200 cabinet in shared room	Cabinet space	JD/unit/month	146.3	146.3	146.3	146.3
		Reservation		146.3	146.3	146.3	146.3
	Secure room for exclusive use of the Licensee	Sqm	JD/unit/month	85.1	85.1	85.1	85.1
		Reservation		85.1	85.1	85.1	85.1
Tafileh	19-inch rack space in shared supplied cabinet (standard 60x90x200)	RU1	JD/unit/month	5.6	5.6	5.6	5.6
		Reservation		5.6	5.6	5.6	5.6
	Cabinet space for standard 60x90x200 cabinet in shared room	Cabinet space	JD/unit/month	146.3	146.3	146.3	146.3
		Reservation		146.3	146.3	146.3	146.3
	Secure room for exclusive use of the Licensee	Sqm	JD/unit/month	85.1	85.1	85.1	85.1
		Reservation		85.1	85.1	85.1	85.1
Ma'an	19-inch rack space in shared supplied cabinet (standard 60x90x200)	RU1	JD/unit/month	5.6	5.6	5.6	5.6
		Reservation		5.6	5.6	5.6	5.6
	Cabinet space for standard 60x90x200 cabinet in shared room	Cabinet space	JD/unit/month	146.3	146.3	146.3	146.3
		Reservation		146.3	146.3	146.3	146.3
	Secure room for exclusive use of the Licensee	Sqm	JD/unit/month	85.1	85.1	85.1	85.1
		Reservation		85.1	85.1	85.1	85.1

Governorate	Item	Unit	Rate Unit	2024	2025	2026	2027
Aqaba	19-inch rack space in shared supplied cabinet (standard 60x90x200)	RU1	JD/unit/month	7.4	7.4	7.4	7.4
		Reservation		7.4	7.4	7.4	7.4
	Cabinet space for standard 60x90x200 cabinet in shared room	Cabinet space	JD/unit/month	192.6	192.6	192.6	192.6
		Reservation		192.6	192.6	192.6	192.6
	Secure room for exclusive use of the Licensee	Sqm	JD/unit/month	112.1	112.1	112.1	112.1
		Reservation		112.1	112.1	112.1	112.1

Supporting services per site:

Additional facilities	Unit	Rate Unit	2024	2025	2026	2027
Power supply	1 Amp [<2000 Kwh/month]	JD/unit/month	41.9	41.9	41.9	41.9
Power supply	1 Amp [>2000 Kwh/month]	JD/unit/month	9.1	9.1	9.1	9.1
Cabinet rental (standard 60x90x200)	Cabinet	JD/unit/month	36.4	36.4	36.4	36.4
Intra-building Link	per link up to 100 metre	JD/unit/month	0.01	0.01	0.01	0.01

Duct and Dark Fibre sharing:

	Rate Unit	2024	2025	2026	2027
Installation (per meter)	JD/m	0.72	0.72	0.72	0.72
1 pair of dark fibre monthly rental / 1 metre	JD/m/month	0.39	0.39	0.39	0.39
Duct monthly rental / 1 metre	JD/m/month	0.25	0.25	0.25	0.25

Dial-Up IP Traffic Collection

	Rate Unit	2024	2025	2026	2027	
Rental charge	Port rental charge per month	JD/month	0.02	0.02	0.02	0.02

Broadband IP Traffic Collection

	Rate Unit	2024	2025	2026	2027
Monthly charges per Mbps	JD/month	0.65	0.65	0.65	0.65

Permanent Data Traffic Collection

		Speed (kbps)	Rate Unit	2024	2025	2026	2027
Monthly rental charges	Port rental monthly charges/speed	64	JD/month	0.02	0.02	0.02	0.02
		128	JD/month	0.03	0.03	0.03	0.03
		256	JD/month	0.06	0.06	0.06	0.06
		512	JD/month	0.12	0.12	0.12	0.12
		1024	JD/month	0.24	0.24	0.24	0.24
		2048	JD/month	0.47	0.47	0.47	0.47

ADSL/VDSL local Bitstream services

		Speed	Rate Unit	2024	2025	2026	2027
Installation charge			JD	58.4	58.4	58.4	58.4
Monthly rental charges	ADSL/VDSL Bitstream (local), without modem		JD/month	0.31	0.31	0.31	0.31
	ADSL Bitstream (local), with modem		JD/month	1.06	1.06	1.06	1.06
	VDSL Bitstream (local), with modem		JD/month	2.23	2.23	2.23	2.23

ADSL/VDSL regional Bitstream services

		Speed	Rate Unit	2024	2025	2026	2027
Installation charge			JD	58.4	58.4	58.4	58.4
Monthly rental charges	ADSL/VDSL Bitstream (regional), without modem	128 kb/s	JD/month	0.31	0.31	0.31	0.31
		256 kb/s	JD/month	0.32	0.32	0.32	0.32
		512 kb/s	JD/month	0.32	0.32	0.32	0.32
		1 Mb/s	JD/month	0.34	0.34	0.34	0.34
		2 Mb/s	JD/month	0.36	0.36	0.36	0.36
		4 Mb/s	JD/month	0.41	0.41	0.41	0.41
		6 Mb/s	JD/month	0.46	0.46	0.46	0.46
		8 Mb/s	JD/month	0.51	0.51	0.51	0.51
		16 Mb/s	JD/month	0.71	0.71	0.71	0.71
24 Mb/s	JD/month	0.91	0.91	0.91	0.91		

		Speed	Rate Unit	2024	2025	2026	2027
		40 Mb/s	JD/month	1.31	1.31	1.31	1.31
		80 Mb/s	JD/month	2.31	2.31	2.31	2.31
	ADSL/VDSL Bitstream (regional), with modem	128 kb/s	JD/month	1.06	1.06	1.06	1.06
		256 kb/s	JD/month	1.06	1.06	1.06	1.06
		512 kb/s	JD/month	1.07	1.07	1.07	1.07
		1 Mb/s	JD/month	1.08	1.08	1.08	1.08
		2 Mb/s	JD/month	1.10	1.10	1.10	1.10
		4 Mb/s	JD/month	1.15	1.15	1.15	1.15
		6 Mb/s	JD/month	1.20	1.20	1.20	1.20
		8 Mb/s	JD/month	1.25	1.25	1.25	1.25
		16 Mb/s	JD/month	1.45	1.45	1.45	1.45
		24 Mb/s	JD/month	1.65	1.65	1.65	1.65
		40 Mb/s	JD/month	3.23	3.23	3.23	3.23
		80 Mb/s	JD/month	4.23	4.23	4.23	4.23

ADSL/VDSL national IPstream services

		Speed	Rate Unit	2024	2025	2026	2027
Installation charge			JD	58.4	58.4	58.4	58.4
Monthly rental charges	ADSL/VDSL IPstream (national), without modem	128 kb/s	JD/month	0.32	0.32	0.32	0.32
		256 kb/s	JD/month	0.32	0.32	0.32	0.32
		512 kb/s	JD/month	0.33	0.33	0.33	0.33
		1 Mb/s	JD/month	0.34	0.34	0.34	0.34
		2 Mb/s	JD/month	0.37	0.37	0.37	0.37
		4 Mb/s	JD/month	0.43	0.43	0.43	0.43
		6 Mb/s	JD/month	0.49	0.49	0.49	0.49
		8 Mb/s	JD/month	0.55	0.55	0.55	0.55
		16 Mb/s	JD/month	0.78	0.78	0.78	0.78
		24 Mb/s	JD/month	1.02	1.02	1.02	1.02
		40 Mb/s	JD/month	1.49	1.49	1.49	1.49
80 Mb/s	JD/month	2.67	2.67	2.67	2.67		

		Speed	Rate Unit	2024	2025	2026	2027
	ADSL/VDSL IPstream (national), with modem	128 kb/s	JD/month	1.06	1.06	1.06	1.06
		256 kb/s	JD/month	1.06	1.06	1.06	1.06
		512 kb/s	JD/month	1.07	1.07	1.07	1.07
		1 Mb/s	JD/month	1.08	1.08	1.08	1.08
		2 Mb/s	JD/month	1.11	1.11	1.11	1.11
		4 Mb/s	JD/month	1.17	1.17	1.17	1.17
		6 Mb/s	JD/month	1.23	1.23	1.23	1.23
		8 Mb/s	JD/month	1.29	1.29	1.29	1.29
		16 Mb/s	JD/month	1.52	1.52	1.52	1.52
		24 Mb/s	JD/month	1.76	1.76	1.76	1.76
		40 Mb/s	JD/month	3.40	3.40	3.40	3.40
		80 Mb/s	JD/month	4.58	4.58	4.58	4.58

ADSL/VDSL local Naked Bitstream services

		Speed	Rate Unit	2024	2025	2026	2027
Installation charge			JD	58.4	58.4	58.4	58.4
Monthly rental charges	ADSL/VDSL Naked Bitstream (local), without modem		JD/month	5.63	5.63	5.63	5.63
	ADSL Naked Bitstream (local), with modem		JD/month	6.37	6.37	6.37	6.37
	VDSL Naked Bitstream (local), with modem		JD/month	7.54	7.54	7.54	7.54

ADSL/VDSL regional Naked Bitstream services

		Speed	Rate Unit	2024	2025	2026	2027
Installation charge			JD	58.4	58.4	58.4	58.4
Monthly rental charges	ADSL/VDSL Naked Bitstream (regional), without modem	128 kb/s	JD/month	5.63	5.63	5.63	5.63
		256 kb/s	JD/month	5.63	5.63	5.63	5.63
		512 kb/s	JD/month	5.64	5.64	5.64	5.64
		1 Mb/s	JD/month	5.65	5.65	5.65	5.65
		2 Mb/s	JD/month	5.67	5.67	5.67	5.67
		4 Mb/s	JD/month	5.72	5.72	5.72	5.72
		6 Mb/s	JD/month	5.77	5.77	5.77	5.77
		8 Mb/s	JD/month	5.82	5.82	5.82	5.82
		16 Mb/s	JD/month	6.02	6.02	6.02	6.02
		24 Mb/s	JD/month	6.22	6.22	6.22	6.22

		Speed	Rate Unit	2024	2025	2026	2027
	ADSL/VDSL Naked Bitstream (regional), with modem	40 Mb/s	JD/month	6.62	6.62	6.62	6.62
		80 Mb/s	JD/month	7.62	7.62	7.62	7.62
		128 kb/s	JD/month	6.37	6.37	6.37	6.37
		256 kb/s	JD/month	6.37	6.37	6.37	6.37
		512 kb/s	JD/month	6.38	6.38	6.38	6.38
		1 Mb/s	JD/month	6.39	6.39	6.39	6.39
		2 Mb/s	JD/month	6.41	6.41	6.41	6.41
		4 Mb/s	JD/month	6.46	6.46	6.46	6.46
		6 Mb/s	JD/month	6.51	6.51	6.51	6.51
		8 Mb/s	JD/month	6.56	6.56	6.56	6.56
		16 Mb/s	JD/month	6.76	6.76	6.76	6.76
		24 Mb/s	JD/month	6.97	6.97	6.97	6.97
		40 Mb/s	JD/month	8.54	8.54	8.54	8.54
		80 Mb/s	JD/month	9.54	9.54	9.54	9.54

ADSL/VDSL national Naked IPstream services

		Speed	Rate Unit	2024	2025	2026	2027
Installation charge			JD	58.4	58.4	58.4	58.4
Monthly rental charges	ADSL/VDSL Naked IPstream (national), without modem	128 kb/s	JD/month	5.63	5.63	5.63	5.63
		256 kb/s	JD/month	5.63	5.63	5.63	5.63
		512 kb/s	JD/month	5.64	5.64	5.64	5.64
		1 Mb/s	JD/month	5.65	5.65	5.65	5.65
		2 Mb/s	JD/month	5.68	5.68	5.68	5.68
		4 Mb/s	JD/month	5.74	5.74	5.74	5.74
		6 Mb/s	JD/month	5.80	5.80	5.80	5.80
		8 Mb/s	JD/month	5.86	5.86	5.86	5.86
		16 Mb/s	JD/month	6.09	6.09	6.09	6.09
		24 Mb/s	JD/month	6.33	6.33	6.33	6.33
		40 Mb/s	JD/month	6.80	6.80	6.80	6.80
		80 Mb/s	JD/month	7.98	7.98	7.98	7.98
	ADSL/VDSL Naked IPstream (national), with modem	128 kb/s	JD/month	6.37	6.37	6.37	6.37
		256 kb/s	JD/month	6.37	6.37	6.37	6.37

		Speed	Rate Unit	2024	2025	2026	2027
		512 kb/s	JD/month	6.38	6.38	6.38	6.38
		1 Mb/s	JD/month	6.39	6.39	6.39	6.39
		2 Mb/s	JD/month	6.42	6.42	6.42	6.42
		4 Mb/s	JD/month	6.48	6.48	6.48	6.48
		6 Mb/s	JD/month	6.54	6.54	6.54	6.54
		8 Mb/s	JD/month	6.60	6.60	6.60	6.60
		16 Mb/s	JD/month	6.84	6.84	6.84	6.84
		24 Mb/s	JD/month	7.07	7.07	7.07	7.07
		40 Mb/s	JD/month	8.71	8.71	8.71	8.71
		80 Mb/s	JD/month	9.89	9.89	9.89	9.89

Local Loop Unbundled Service

		Rate Unit	2024	2025	2026	2027
Installation charge	Full Local Loop Unbundled Service	JD	60.7	60.7	60.7	60.7
Installation charge	Shared Local Loop Unbundled Service	JD	60.7	60.7	60.7	60.7
Rental charge	Full Local Loop Unbundled Service	JD/month	5.3	5.3	5.3	5.3
Rental charge	Shared Loop Unbundled Service	JD/month	1.1	1.1	1.1	1.1

Tie cable to connect MDF and HDF

		Rate Unit	2024	2025	2026	2027
Installation charge	Per meter (100 pairs)	JD	19.1	19.1	19.1	19.1
Rental charge	Per meter (100 pairs)	JD/month	4.4	4.4	4.4	4.4

Wood poles sharing

		Rate Unit	2024	2025	2026	2027
Rental charge	Per pole	JD/month	1.4	1.4	1.4	1.4