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14 January 2020

Prepared by: RDGE/PICU/COET/COSD/PGCL

Original: English

**BOARD APPROVAL Lapse-of-time Procedure** 

13 January 2020

FOR INFORMATION

# **MEMORANDUM**

TO : THE BOARD OF DIRECTORS

FROM: Vincent O. NMEHIELLE

**Secretary General** 

SUBJECT: <u>MULTINATIONAL</u> - <u>FEASIBILITY STUDY FOR THE PROPOSED</u> STANDARD GAUGE RAILWAY (SGR) CONNECTING ETHIOPIA AND

**SUDAN**\*

#### ADF GRANT OF UA 863 000

The Grant **Proposal** and the draft **Resolution** related to the above-mentioned project, were submitted for **your consideration on a Lapse-of-time Basis** on 16 December 2019.

The Secretariat General has recorded the provisional reservation of the US Chair by the approval deadline of 13 January 2020.

The Proposal is considered as **approved** and the Resolution **adopted**.

Attach:

Cc: The President

|                  | *Questions on this document should be referred to: |        |                |  |  |  |  |
|------------------|--|--------|----------------|--|--|--|--|
| Mrs. N. NWABUFO  | <b>Acting Director General</b>                     | RDGE   | Extension 8343 |  |  |  |  |
| Mr. A. OUMAROU   | Director   | PICU   | Extension 3075 |  |  |  |  |
| Mr. G. PENN      | General Counsel                                    | PGCL   | Extension 3220 |  |  |  |  |
| Mr. H. IMAN      | Regional Manager                                   | RDGE.3 | Extension 8117 |  |  |  |  |
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| Ms. A. M. MECCA  | Division Manager                                   | PGCL.1 | Extension 3309 |  |  |  |  |
| Mr. M. WA-KYENDO | Team Leader  | RDGE.3 | Extension 8132 |  |  |  |  |



# FEASIBILITY STUDY FOR THE PROPOSED STANDARD GAUGE RAILWAY (SGR) CONNECTING ETHIOPIA AND SUDAN

MULTINATIONAL: ETHIOPIA AND SUDAN

P-Z1-DC0-027

MEMORANDUM OF THE STUDY

Date: October 2019

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Ag. Director General:
Sector Director:
Country Manager:
Country Manager:
Regional Manager:

N. NWABUFO, RDGE
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# **MULTINATIONAL**

# FEASIBILITY STUDY FOR THE PROPOSED STANDARD GAUGE RAILWAY (SGR) CONNECTING ETHIOPIA AND SUDAN

#### RDGE/PICU/COET/COSD/PGCL DEPARTMENTS

January 2020

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## **Currency Equivalents**

As of July 2019

1 Unit of Account = ETB 40.25040 1 Unit of Account = USD 1.39021 1 Unit of Account = SDP 62.7158 1 United States Dollar= ETB 27.95735 1 United States Dollar= DJF 176.91959

#### **Fiscal Year**

8 July – 7 July for Ethiopia 1 January - 31 December for Sudan

# Weights and Measures

 1 metric tonne
 =
 2204 pounds (lbs)

 1 kilogramme (kg)
 =
 2.200 lbs

 1 metre (m)
 =
 3.28 feet (ft)

 1 millimetre (mm)
 =
 0.03937 inch (")

 1 kilometre (km)
 =
 0.62 mile

 1 hectare (ha)
 =
 2.471 acres

#### **Acronyms and Abbreviations**

AfDB African Development Bank

ADF African Development Fund

DFI Development Finance Institution

DFID UK Department for International Development

EIA Environmental Impact Assessment

ERC Ethiopia Railways Cooperation

ESIA Environmental and Social Impact Assessment

EoI Expressions of Interest

EU European Union

GoE Government of the Federal Democratic Republic of Ethiopia

GoS Government of Sudan

OCB Open Competitive Bidding

IPPF Infrastructure Project Preparation Facility
NEPAD New Partnership for Africa's Development

PIDA Programme for Infrastructure Development in Africa

PIM Project Information Memorandum

PPP Public Private Partnership

REC Regional Economic Community

SGR Standard Gauge Railway

SRC Sudan Railways Corporation

TBC To be confirmed

TBD To be determined

ToR Terms of Reference

USD United States Dollars

# **Grant Information**

# Client 's information

#### **RECIPIENTS:**

• FEDERAL DEMOCRATIC REPUBLIC OF ETHIOPIA

## **EXECUTING AGENCY:**

• ETHIOPIAN RAILWAYS CORPORATION

Financing plan

| Source                         | Amount<br>(USD) | Equivalent<br>Amount<br>(UA) | Instrument  |
|--------------------------------|-----------------|------------------------------|-------------|
| ADF / PBA : ETHIOPIA           | 1,200,000       | 863,000                      | GRANT       |
| NEPAD-IPPF: ETHIOPIA AND SUDAN | 2,000,000       | ,                            | GRANT       |
| GOVERNMENT OF SUDAN            | 100,000         |                              | COUNTERPART |
| GOVERNMENT OF ETHIOPIA         | 100,000         |                              | COUNTERPART |
| TOTAL COST                     | 3,400,000       |                              |             |

## Timeframe - Main Milestones (expected)

| Memorandum Approval | Dec 2019 |  |
|---------------------|----------|--|
| Effectiveness       | Mar 2020 |  |
| Last Disbursement   | Dec 2025 |  |
| Completion          | Dec 2024 |  |

#### **Study Summary**

- 1. The Governments of the Federal Democratic Republic of Ethiopia and The Sudan have completed bilateral agreements for cooperation in a number of economic sectors. Among them is an understanding to jointly develop a railway line, linking Addis Ababa in Ethiopia to Khartoum in Sudan, and extending to Port Sudan on the Red Sea coast. The Standard Gauge Railway (SGR) will follow the agreed route of Addis Ababa, along to Awash-Kombolcha-Weldiya, on to Wereta Gonder Metema Galabat Gadarif Kassala Haiya and to the Port of Sudan, a total estimated distance of 1,522 km.
- 2. The proposed SGR project is linked to the planned development of Special Economic Zones (SEZ) in the border regions of the two countries. The SEZ are intended to enhance production of local goods, industrialization and agro-processing thereby increasing the existing trade. The planned termination of the line at Port Sudan provides an additional sea access route for Ethiopia, which will most likely revive the full utilization of the Port of Sudan.
- 3. Development of this railway line is fundamental to enhancing trade and regional connectivity not only within the north-eastern part of the continent but also to the central African states of Chad and the Central Africa Republic. Once developed, the railway line will connect with the Kampala Juba Addis Ababa Djibouti and the proposed Lamu to Addis Ababa (part of LAPSSET Corridor Development Program) transport corridors both of which are key priority corridor projects in PIDA and are supported by the Bank.
- 4. The principle objective of this Study is to finance the preparation of a full feasibility study of the proposed SGR between Ethiopia and Sudan. This will cover technical, economic and financial viability, social and environmental impact assessment, and alternative financing modalities including Public Private Partnership (PPP) model.
- 5. The estimated cost for undertaking the feasibility studies is USD 3,400,000. The studies will take 24-months to complete. The NEPAD-IPPF grant is already approved and procurement of is underway using advanced contracting procedures as approved by the Bank.
- 6. To finance the study, the NEPAD-IPPF has approved on 5 Nov 2019 grant resources to Ethiopia and Sudan with grant resources amounting to USD 2,000,000 which will cover 59% of the cost of the study. The African Development Fund (ADF) will provide Ethiopia with a grant amounting to UA 863,000 (equivalent to USD 1,200,000 covering 35% of the cost) from ADF 14 resources allocation to Ethiopia. The Sudan is under Bank sanctions and cannot receive ADF resources. The Governments of Sudan and Ethiopia will contribute counterpart funds amounting to USD 200,000 (6%).
- 7. The Study fits within a regional programme that has been prioritized by the respective member countries, linking to PIDA corridors and delivering of economic infrastructure necessary for achieving tangible development outcomes for the region. The Study aligns well with the objectives and operational priorities of the NEPAD-IPPF and those of the Bank by supporting industrialization, agricultural and agro processing development as well as regional integration, whilst also increasing the stock of bankable projects available for investment.

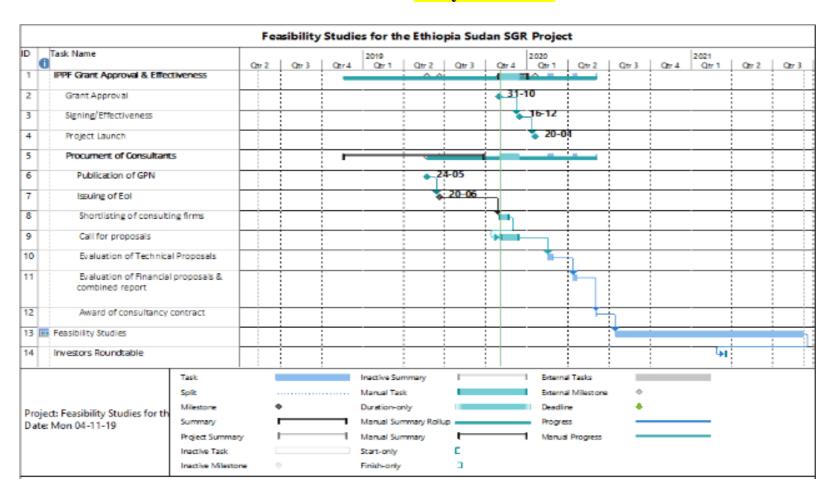
# **Result-based Logical Framework**

Country and Study Name: Feasibility Study on the proposed Standard Gauge Railway (SGR) connecting Ethiopia and Sudan.

Purpose of the Study: To Prepare the Ethiopia Sudan SGR Project for investment financing

| Purpo             | <u>se of the Study</u> : To Prepare the Ethiopia Sudan SGR I   | Project for investment financing  | 3   |  |                       |  |
|-------------------|--|---|---|--|-----------------------|--|
|                   | RESULTS CHAIN  | PER   | FORMANCE IND  | ICATORS  |                       | RISKS / MITIGATION MEASURES  |
|                   | RESULTS CHAIN  | Indicator<br>(including CSI)  | Baseline  | Target   | MEANS OF VERIFICATION | WITIGATION WEASURES  |
| INPACT            | <ul> <li>Rational deployment of public and private<br/>financial resources</li> <li>Contribute to potential increase in women-led<br/>SMEs in trans-border trading</li> </ul>  | Investor Round Table conferences to discuss investment options  | No Plan   | <ul> <li>Specific investment plans</li> <li>Specific plans discussed<br/>on how women led SME<br/>can participate more in<br/>trade</li> </ul>   |                       | Risks / Mitigation measures  |
| OUTCOMES          | <ul> <li>Facilitate investment decision making on<br/>whether or not to invest in the Railway<br/>Project, and how.</li> <li>Recommendations for effective Gender-based<br/>interventions along the transportation<br/>corridor</li> </ul> | Stakeholder Round table to discuss and craft way forward  | No interest   | Clear decision on whether or<br>not to build the railway.<br>If yes, how to proceed  | Study Reports         | 1. Political instability in both countries could affect study. Mitigation: Appoint more stable Ethiopia (ERC) to be EA.  2. Procurement delay risk.                                      |
| OUTPUTS           | <ul> <li>Full Feasibility Study report</li> <li>Financing &amp; PPP viability Options</li> <li>Completed ESIA/RAP documents.</li> <li>Gender Analysis Report</li> </ul>  | Approved feasibility, study documents.     Approved Financing & PPP Options reports     Approved ESIA /RAP documents.     Approved Gender Analysis Report | No existing Feasibility Study, nor financing, PPP options & ESIA reports at present | <ul> <li>Feasibility report – delivered<br/>by September 2021;</li> <li>Financing &amp; PPP Options<br/>Study report – delivered by<br/>September 2021;</li> <li>Complete ESIA study<br/>documents delivered by<br/>September 2020.</li> </ul> |                       | Mitigation: Using advanced contracting, procurement of was started early.  3. Implementation delay risk. Mitigation: PMU will closely liaise with both government and assist consultant. |
| KEY<br>ACTIVITIES | <ul> <li>Consultancy Services for Full Feasibility Studies<br/>Sudan SGR Project;</li> <li>Consultancy for Study / Project Audit Services</li> <li>Support to Project Management Unit</li> </ul>   | feasibility St<br>Support to P<br>Audit   | MU USD 1<br>USD   | 198,000<br>67,000<br>35,000<br><b>400,000 (Excl. VAT)</b>  | ADF Grant:            | USD 2, 000,000<br>USD 1,200,000<br>USD 200,000<br>USD 3,400,000  |

## **Study Timeframe**



# REPORT AND RECOMMENDATION OF THE MANAGEMENT OF THE ADF TO THE BOARD OF DIRECTORS ON A PROPOSED GRANT TO ETHIOPIA FOR THE ETHIOPIA SUDAN STANDARD GAUGE RAILWAY STUDY

Management submits the following Report and Recommendation on a proposed grant to the Federal Democratic Republic of Ethiopia for Eight Hundred Sixty-Three Thousand Units of Account (UA 863,000) to finance the Ethiopia Sudan Standard Gauge Railway Study.

#### I – STRATEGIC THRUST & RATIONALE

## 1.1. Study linkages with country strategy and objectives

- 1.1.1 The proposed Ethiopia-Sudan Standard Gauge Railway (SGR) aims to deepen regional integration through improved transport infrastructure that will increase trade through efficient transport between the two countries of Ethiopia and Sudan. The project will improve the transport system serving Sudan and Ethiopia and other countries in the Horn of Africa region, including Kenya and South Sudan.
- 1.1.2 The proposed Study is aligned with Pillar 4 (bridging infrastructure gaps) of Ethiopian government's 5-year medium term development plan (Growth and Transformation Plan II, 2015/16-2019/20) and its national transport master plan on railway development. The study is aligned with Pillar I (infrastructure development) of the Bank's Country Strategy Paper for Ethiopia (CSP) 2016-2020. Bank Group support to Ethiopia's transport sector under its CSP seeks to link export and trade corridors with remote and productive regions and centres of commerce to catalyse rural transformation, spur regional growth poles and maximize benefits to rural households.
- 1.1.3 The proposed Study is in line with Government of Sudan (GoS)'s long term development goals as expressed in its Twenty-Five Year National Strategy (2007-2031), among which is to boost infrastructure development. The Study is also aligned with the country's priorities as stipulated in the medium –term "Economic Reform Program (ERP, 2015-2019 (strengthening infrastructure to catalyze the role of the private sector).
- 1.1.4 The proposed Study is in line with the dual objectives of the Bank's Ten-Year Strategy (TYS) 2013-2022 of inclusive and green growth and the operational priority on infrastructure development. The Study is also in line with the High 5s priorities. For instance, the proposed Study, when implemented, will improve national and regional connectivity, with focus on industrial zones, export corridors and other centers of high value-added production, thereby supporting the Feed Africa, Industrialize Africa and Improving the Quality of Life for Africans. By linking Ethiopia with regional and global markets, including via the Port of Sudan, the Study will directly contribute to Integrating Africa. The proposed Study is also consistent with the Bank's Regional Integration Strategic Framework (2018-2025) and Eastern Africa Regional Integration Strategy (2018-2022), which prioritize infrastructure investment, private sector growth, and economic competitiveness.
- 1.1.5 The Governments of Ethiopia and Sudan, building on existing intergovernmental cooperation in transport, endorsed the Study.

## 1.2. Rationale for Bank's involvement

1.2.1 The absence of a regional transport backbone connecting Ethiopia, Sudan and other countries in the Horn of Africa region hinders trade, development and regional integration. Movement of goods and people between Sudan and Ethiopia often requires the use of multimodal transport, which increases transportation costs and journey times. For example, the cost of moving freight in Sudan, though it compares well with the average for Africa, is almost twice compared to other emerging regions of the world. The average freight tariff between Khartoum and Port Sudan is about \$0.08 per tonne-kilometer compared to the global standard of around \$0.04 per tonne-km. Consequently, the proposed regional Standard Gauge Railway

- (SGR) project, if found viable, would not only diversify Ethiopia and Sudan's access routes, it will contribute to reductions in transportation costs, boost trade and regional integration.
- 1.2.2 The hard infrastructure investments will augment the Bank funded Ethiopia-Djibouti transport corridor project and ongoing reforms to improve logistics efficiency and trade facilitation as well as diversify access routes to seaports in the Horn of Africa.

#### 1.3. Donors coordination

1.3.1 In Ethiopia, Transport Sector Working Group (TSWG), which meets quarterly, is responsible for aid coordination and policy dialogue in Ethiopia transport sector. Donor support has played a significant role in the transport sector mainly by funding road construction. Between 1997 and 2017, the DPs collectively disbursed UA 2.497 billion (ETB 54.72 billion), representing 21.4% of funds disbursed in the road sub sector. The WB is the largest donor at 8.2%, followed by EU (4.4%), China (3.4%), and AfDB (2.4%). All donor support comes in form of specific projects that are aligned with government strategy (See Table 1.1).

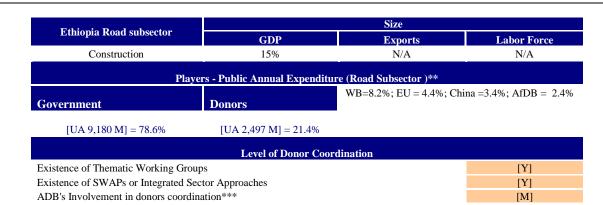


Table 1.1: Donor Coordination in Ethiopia

- 1.3.2 In Sudan, Transport Sector working Group, which meets quarterly, is responsible for aid coordination and policy dialogue in the transport sector. Sudan has invested heavily in infrastructure in recent years. In the transport sector, the road network has doubled in length to 6,200 kilometers (km) between 2000 and 2018, comprising well-developed internal corridors. Still, a sizable share of the country lacks roads and rural connectivity is almost nonexistent.
- 1.3.3 Both multilateral and bilateral lenders (member of the Paris club) have had limited operations in Sudan since the mid-nineties, owing to Sudan's external debt arrears. This has prevented access to concessional financing, reducing the role to humanitarian assistance while the International Monetary Funds (IMF), and the World Bank have been limited to providing technical assistance to help the country manage macroeconomic challenges and improve public financial management. Currently, the main partners financing development activities in Sudan include, the Islamic Development Bank (IsDB), IFAD, OFID and the Arab Funds as well as China. These partners have been the major sources of development financing, especially infrastructure development for almost two decades.

<sup>\*\*\*\*</sup> L: leader, M: member but not leader, none: no involvement

#### II – STUDY DESCRIPTION

## 2.1 Sector Goal and Study Objective

- 2.1.1 The transport sector goal is to contribute towards the socio-economic development by providing an efficient and effective transport system in Ethiopia and Sudan.
- 2.1.2 The purpose of the feasibility study is to determine whether, and under what conditions a railway line between Ethiopia and Sudan is technically, financially, economically, socially and environmentally viable. The railway line will link Addis Ababa in Ethiopia to Khartoum in Sudan, and extend to Port Sudan on the Red Sea coast. The generally accepted route is Addis Ababa-Awash-Kombolcha-Weldiya, on to Wereta Gonder Metema Galabat Gadarif Kassala Haiya and to the Port of Sudan, a total estimated distance of 1,522 km

## 2.2. Study components

The study will consist of the components listed below and summarised in Table 2.1.

#### 1: Consultancy Services for Feasibility Study: This component will include:

- a) Demand analysis of passengers and goods between Ethiopia, Sudan, and consequent traffic forecasts, and impact on regional integration.
- b) Geotechnical investigations; topographic and aerial-photographic surveys; preliminary engineering design, and preparation of technical specifications. Designs will include geotechnical, horizontal and vertical alignment; track structure, drainage structures, signalling and communications systems, station buildings, marshalling yards, crossing loops and sidings, and will consider potential to use either electric and/ or diesel-electric power traction; preparation of working drawings and bidding documents, including environmental and social impact assessment and resettlement action plan.
- c) Capital cost estimation that includes cost of land acquisition; construction of civil works, signalling and communications, electric power / diesel power (as options) and train control system installations, track-laying and initial rolling stock.
- d) Operations and Maintenance (O&M): cost estimation for train crew; fuel/energy consumption; locomotive/wagon/carriage maintenance; fixed infrastructure maintenance; variable infrastructure maintenance; station operating costs.
- e) Financial analysis to include projected revenue, options / financing plans; cost –benefit analysis, including calculation of FIRR and NPV indicators
- f) Economic appraisal (benefit estimation: operating costs, timesavings, reduced emissions, accident cost reduction, reduced road maintenance costs; analysis of economic net benefit flows, including EIRR, NVP and B/C indicators.
- g) Reports; The consultant will prepare relevant reports to be submitted to the government and the Bank on each, but not limited to, the element listed above.
- h) A conference will be organised by the consultant to present and discuss the results of the feasibility study will be presented and discussed.

#### 2: Support to Study Management

This component will include costs to be incurred by the Ethiopian Railways Corporation (ERC) and the Sudan Railways Corporation (SRC) in discharging their respective responsibilities. The costs will include all recurrent expenses, relevant travels, accommodation and per diem, etc.

ERC as the Executing Agency will manage all the elements of design in Ethiopia and Sudan including coordination between Ethiopia and Sudan governments and the consultants undertaking the study, and all other stakeholders.

#### 3: Study Audit

A competent audit firm will be recruited competitively to audit the financial statements of the Study annually. The audit report and the Management letter will be submitted to the Bank no later than six (6) months after the close of the financial year.

Table 2.1: Cost of Study components

| nr. | Component                         | USD Millions | Component description   |
|-----|-----------------------------------|--------------|---|
| 1   | Feasibility Study                 | 3.198        | <ul> <li>Preliminary design</li> <li>Environmental and Social impact assessment</li> <li>Economic analysis</li> <li>Detailed Engineering design</li> <li>Financing Options</li> </ul>   |
| 2   | Support to<br>Study<br>management | 0.167        | <ul> <li>Study coordination between Ethiopia and Sudan</li> <li>Study management of the elements of design in Ethiopia and Sudan</li> <li>Reporting and providing secretariat services to Study Coordination Committee</li> </ul> |
| 3   | Audit                             | 0.035        | Provide financial and management audit of the study   |
|     | Total                             | 3.400        |   |

## 2.3. Technical solution retained and other alternatives explored

2.3.1 Railway is seen as the best method of transport when the line covers large distance (over 700km) and when the payload consists of huge volumes of cargo. Port Sudan is between 1500 km and 2,700 km north of Addis Ababa, depending which route one follows. Ethiopia is landlocked and therefore needs to develop alternative seaport. As net importers, Sudan and Ethiopia may have sufficient cargo to justify a rail link. A railway would complement the road transport network that exists between the two countries. A railway connection is desirable. However, the cost outlay is high and therefore the need for a careful study to check the project viability.

## 2.4. Project type

2.4.1 This project will be a stand-alone study.

## 2.5. Study cost and financing arrangements

**2.5.1 Study Cost:** The study will cost USD 3,400,000 consisting of cost for the consultancy services for the feasibility study (USD 3,198,000), support to the study management unit (USD 167,000) and audit consultancy services (USD 35,000). About 80% of the cost will be borne in foreign currency.

Table 2.2 outlines the cost of each component, in foreign currency (FC) and local currency (LC) costs, in both UA and USD. Tables 2.3a and 2.3b shows the costs of each category and Table 2.4 shows the annual expenditure by component throughout implementation.

Table 2.2: Study cost estimates by component [amounts in million USD and UA equivalents]

|     |   |       | Costs of Project           |       |       |         |       |       |  |
|-----|---|-------|----------------------------|-------|-------|---------|-------|-------|--|
| Cos | sts of Components of the Study              | UA    | A (Millions) US (Millions) |       |       | centage |       |       |  |
|     |   | FC    | LC                         | Total | FC    | LC      | Total | of FC |  |
| i   | Feasibility study consultancy services / FS | 1.534 | 0.383                      | 1.917 | 2.132 | 0.533   | 2.665 | 80%   |  |
| ii  | Support to Project Management / PMU         | -     | 0.100                      | 0.100 | -     | 0.139   | 0.139 | 0%    |  |
| iii | Project Audit consultancy services / ADT    | -     | 0.021                      | 0.021 | -     | 0.029   | 0.029 | 0%    |  |
|     | Base Cost                                   | 1.534 | 0.504                      | 2.038 | 2.132 | 0.701   | 2.833 |       |  |
| iv  | Physical Contingencies (10% of Base cost)   | 0.153 | 0.050                      | 0.204 | 0.213 | 0.070   | 0.283 |       |  |
| v   | Price Cont (10% of Base Cost )              | 0.153 | 0.050                      | 0.204 | 0.213 | 0.070   | 0.283 |       |  |
|     | Project Cost (Excl. VAT)                    | 1.840 | 0.605                      | 2.445 | 2.558 | 0.841   | 3.400 |       |  |
| vi  | VAT (15% of Project Cost)                   | -     | 0.367                      | 0.367 |       | 0.510   | 0.510 |       |  |
|     | Project Costs (Inclusive of VAT)            | 1.840 | 0.972                      | 2.812 | 2.558 | 1.351   | 3.910 | 65%   |  |

Note: Exchange rates are provided in the introduction of this report

Table 2.3: Study cost by category of expenditure [amounts in million USD and UA equivalents] Table 2.3a: ADF Grant resources only

| Utilization of ADF Grant Resources (Figs inlc. Cont | ingencies) |                       |       |       |    |       |
|---|------------|-----------------------|-------|-------|----|-------|
|   | U          | millions USD Millions |       |       |    |       |
| Categories  | FC         | LC                    | Total | FC    | LC | Total |
| Services  | 0.863      | -                     | 0.863 | 1.200 | -  | 1.200 |
| Operating cost                                      |            | -                     | -     |       | -  | -     |
| Total   | 0.863      | 1                     | 0.863 | 1.200 | -  | 1.200 |

Table 2.3b: Both NEAD-IPPF and ADF Grant resources

| Utilization of Banks Grant Resources (Figs inlc. Co | ntingencies) |              |       |       |       |       |
|---|--------------|--------------|-------|-------|-------|-------|
|   | U            | USD Millions |       |       |       |       |
| Categories  | FC           | LC           | Total | FC    | LC    | Total |
| Services  | 1.840        | 0.485        | 2.325 | 2.558 | 0.674 | 3.233 |
| Operating cost                                      |              | 0.120        | 0.120 |       | 0.167 | 0.167 |
| Total   | 1.840        | 0.605        | 2.445 | 2.558 | 0.841 | 3.400 |

Table 2.4: Expenditure schedule by component [amounts in million USD]

|     | Project Components                          | Annual Expenditure, USD Millions (Incl.<br>Contingencies) |       |       |       |       |  |  |  |
|-----|---|---|-------|-------|-------|-------|--|--|--|
|     |   | 2020 2021 2022 2023                                       |       |       |       |       |  |  |  |
| ii  | Feasibility study consultancy services / FS | 0.640   | 0.959 | 0.959 | 0.640 | 3.198 |  |  |  |
| iii | Support to Project Management / PMU         | 0.033   | 0.050 | 0.050 | 0.033 | 0.167 |  |  |  |
| iv  | Project Audit consultancy services / ADT    | 0.007   | 0.010 | 0.010 | 0.007 | 0.035 |  |  |  |
|     | Base Cost                                   | 0.680   | 1.020 | 1.020 | 0.680 | 3.400 |  |  |  |

**2.5.2 Financing arrangements:** ADF and NEPAD-IPPF will co-finance the project with total of USD 3.2 million and counterpart contribution of USD 200,000. The resources shall be deployed as shown in Table 2.5 below:

Table 2.5: Sources of financing [amounts in million USD and UA equivalents] and deployment of funds

|                                      | Amount             | of Funds                 |                                 |       |       |       |
|--------------------------------------|--------------------|--------------------------|---------------------------------|-------|-------|-------|
| Source of Funds                      | avail              | alble                    | Deployment of Funds (USD millio |       |       |       |
|                                      | <b>UA Millions</b> | UA Millions USD Millions |                                 |       | ADT   | TOTAL |
| ADF Grant to Ethiopia                | 0.863              | 1.200                    | 1.200                           |       |       | 1.200 |
| NEPAD-IPPF grant to Ethiopia / Sudan | 1.439              | 2.000                    | 1.998                           | 0.002 |       | 2.000 |
| Government of Sudan Counterpart      | 0.072              | 0.10                     |                                 | 0.100 |       | 0.100 |
| Government of Ethiopia Counterpart   | 0.072              | 0.10                     |                                 | 0.065 | 0.035 | 0.100 |
| Total                                | 2.445              | 3.400                    | 3.198                           | 0.167 | 0.035 | 3.400 |

**2.5.3 MOU**: Sudan Railway Corporation signed on 19 April 2018 a memorandum delegating the authority of execution of the proposed study to the Ethiopian Railways Corporation.

## 2.6. Study's target area and population

- 2.6.1 The main beneficiaries of the feasibility study are the two governments who will have a sound basis for deciding whether to move ahead with the investment project. The governments will also benefit from the due diligence coming out of the study to attract funding from various sources including development partners and the private sector.
- 2.6.2 If the study proves that the railway project is viable, its implementation would affect a large part of the population of both Ethiopia (pop. 110 million) and Sudan (pop. 43 million and beyond as the railway connects with the rest of the transport network of the Horn of Africa. The primary beneficiaries would include farmers, industrialists and traders. Farmers and industrialists in the agricultural and industrial zones along Ethiopia's Awash River basin will gain access to improved and cost-effective transportation linkages, thereby increasing productivity, job creation and exports. Traders will benefit from reduced transportation costs and commute time along the Ethiopia Sudan corridor, boosting competitiveness, supporting export growth, thereby increasing foreign exchange inflows. Women and youth will benefit from the ensuing economic and job opportunities. Details of the extent of target area and population will be determined during the study.

## 2.7. Participatory process for Study identification, design and implementation

- 2.7.1 In July 2016, the Governments of Ethiopia and Sudan submitted a joint request for financial support to: a) undertake a feasibility study for the establishment of Special Economic Zone (SEZ) at the border between the two countries; and, b) conduct bankable feasibility study for the proposed railway project. The requests were supported by several bilateral Agreements between the two countries, including one pertaining to the utilization of the Port of Sudan by Ethiopia.
- 2.7.2 In October 2016, the Bank undertook a Technical Mission to assess readiness of the railway Study and the commitment by the governments, where the government were asked to enter into consultations in order to clear as many issues as possible. Based on these consultations, the two Governments appointed Ethiopia to lead the proposed development and the Ethiopian Railways Corporation (ERC) was designated as the Executing Agency. Furthermore, the governments agreed on the route selection: the Study will start at Weldiya, off the Djibouti Mekele railway line and runs through Wereta, Gonder, Metema (border town) and cross to Sudan passing through Galabat, Gadarif, Kassala, Haiya and to the Port of Sudan, a distance of about 1,522 km.
- 2.7.3 The Bank subsequently fielded an appraisal mission in March 2019 and under took further consultations with authorities during which it was confirmed that the study is ready for appraisal and preparation for the Board consideration. Further consultation with the participation of the wider

population, NGOs, community leaders, other stakeholders including landowners and other people affected by the project will be conducted during the study.

## 2.8. Bank Group experience, lessons reflected in Study design

#### **Ethiopia**

- 2.8.1 Since 1977, the Bank has invested over USD 1.1 billion (UA 800 m) in Ethiopia transport sector. As at 31 May 2018, the current portfolio is worth UA 300 million for the construction of 700 km of paved road of which 300km is completed.
- 2.8.2 The Ethiopian portfolio as well as road sector performance is satisfactory. The latest general portfolio rating is satisfactory at 3.1. The latest supervision IP rating for the ongoing transport projects range from 3 to 3.1. The 300km multinational Mombasa-Nairobi-Addis Ababa road corridor phase II and 112 km Bedele Metu road project were substantially completed in 2017/18 and the PCRs for the former conducted in 2018. Phase III of the 200 km Mombasa Nairobi Addis Ababa road project and Phase I of Modjo Hawassa Highway project (a 200km 4-lane expressway co-financed with Korea Exim Bank, World Bank and China Exim Bank) are ongoing.
- 2.8.3 The transport projects have had positive impacts. The 500km Mombasa Nairobi Addis Ababa road project has reduced travel times from Moyale to Hawassa from 2-3 days to 1 day. The Moyale OSBP completed in 2018 has seen a doubling of trade between Kenya and Ethiopia.

#### Sudan

2.8.4 In Sudan, overall performance of the Bank's ongoing portfolio is rated satisfactory with a rating of 3 on a scale of 1 to 4. The sectoral distribution of the portfolio is as follows: Agriculture (51%), Social sector, consisting of education and gender (9%), Health (18%), Water and Sanitation (12%) and Governance and Policy dialogue (10%). The largest single financier of infrastructure investment is China, followed by Indian and Arab investors. Together they account for 40 percent of total annual investments, but almost or entirely allocated to the power sector. There has been very limited investment in transport sector development, and this explains the high costs of doing business in Sudan. Transport needs are largely driven by the need to maintain regional corridors and upgrade existing rural tracks to make them usable.

#### **Lessons Learnt**

2.8.5 The Bank has acquired considerable experience in supporting regional railway projects such as the Dar es Salaam-Isaka-Kigali-Musongati (Tanzania- Burundi) standard gauge railway study and design and having closely followed the development of Djibouti – Ethiopia railway line and the Kenya SGR, to link with Uganda. One of the key lessons learnt is that railway projects are expensive, and viability depends on distance served and type of traffic and demand. From studies, a railway line is profitable for at least 700km long from node to node and must have almost assured bulk load. Railway design must consider multimodal system because often railways station are usually far from the customer at both ends – first and last miles. Furthermore, the road, because of its flexibility and the fact that trucks serve door-to-door, is a major competitor, as well as it being complimentary. Estimates of traffic migrating from the road to the railway are often missed if they do not consider the full impact of the transport system competing with the railway. These lessons will be considered in the execution of the feasibility study.

## 2.9. Key performance indicators

2.9.1 The results-based log frame indicates the key performance indicators that will be used to measure the outputs and outcomes. The outputs include delivery of credible feasibility study, preliminary engineering design and financial analysis and recommendations and gender analysis. The indicators for

outcomes are holding of successful stakeholders' conferences during which the governments and other interested parties will discuss the report and decide whether there is a feasible project. The indicator for impact will be the successful holding of investor conferences.

#### III – PROJECT FEASIBILITY

## 3.1. Economic and financial performance

3.1.1 The most important output of the study will be the economic and financial analysis that will quantify the viability of the project based on the best technical option, upon which the financial options will be designed and evaluated.

## 3.2. Environmental and Social impacts

#### **Environment**

3.2.1 The environmental and social impact study will include baseline survey physical, biological and socio-economic aspects of the environment to be traversed, analysis of the different technical alternatives with the aim of integrating environmental and social considerations into the design and an environmental and social management plan. It is also expected that the study through extensive stakeholder and community engagement will obtain *practical* recommendations for managing environmental and social risks in the implementation phase.

### **Climate Change**

3.2.2 The study will analyse the impact of railway line on climate change. Such issue as carbon dioxide (CO2) emissions will be analysed as the designs considers use of diesel powered or electric powered locomotives.

#### Gender

- 3.2.3 In Ethiopia, various types of women traders associations exist, such as Ethiopian Women Entrepreneurs Association, Ethiopian Women Exporters Association, Alliance of Women Entrepreneurs Program, and the Center for Acceleration Women Economic Empowerment. Women businesses are concentrated mostly on trade (41%) compared to manufacturing, services (21%), urban agriculture (16%), and in construction (8%). In trade, women are concentrated in informal/petty trade and micro enterprises, mostly livelihood oriented and engaged in domestic product in small-scale and retail trade mostly limited to consumer goods. In terms of size, women in microenterprises are 65%, small scale enterprises are 26%, and 10% are medium enterprises (UNCTAD, 2016). The informal cross border trade is both a source of employment and livelihood particularly for people living in border areas of the country. The role of women in cross border trade is linked to small trades of different goods/products. There is limited data on cross border trade in general and women's involvement in particular since it functions in the informal. A Gender Analysis Report is therefore pertinent to gather information that lends evidence to the activities to be designed during implementation.
- 3.2.4 The report will address the challenges facing women including inadequate provision of relevant training and skills development, finance and market, women friendly technologies, effective business networks and information. It will also support development of gender responsive economic empowerment programs in trade and improve women friendly environment for small-scale traders, while also encouraging gradual formalization of trade activities;
- 3.2.5Another gender related issue is that of migration. Whilst nomadic groups are more present on the Sudan side than in Ethiopia, the majority of people on both sides of the border live in rural areas. The number of people living in the area is predicted to grow significantly due to an influx of labourers, irregular migrants and refugees from Sudan, South Sudan and Eritrea. The issue of migration along the

border is of significance. Most of these migrants are young (aged between 18 and 30 years) and literate. Data collected on irregular migrants intercepted at Metema showed that 66% of these migrants were aged between 18 and 30 years, 29% were under the age of 18, and only 5% were aged over 30 years. In terms of gender, 36% were female and 64% were male. According to the EU, young men far outnumber female migrants.

- 3.2.6 According to a report by EU Trust Fund, natural resources such as rivers, forests, quarries, parks and infrastructure are shared across the border, and communities on both sides engage in gold mining, and the production of incense, gum arabic, charcoal and stones and sand for construction. However, these resources are not being adequately shared across borders, or even across social groups or gender lines. Women on the border, for example, often have less access to land, limited or no control over resources, fewer economic opportunities, and are exposed to gender-based violence.
- 3.2.8 The study is expected to collect and document information on a range of socio-economic and demographic variables that will a) inform the feasibility/alternative analysis and design selection b) serve as baseline data. This will enable an investment decision that is socially acceptable and economically beneficial at local, regional and national level. The process of information gathering of the feasibility study is expected to be consultative, inclusive and adequately documented. The study will also propose positive impact enhancement or complementary initiatives.

#### **Involuntary resettlement**

3.2.9 A detailed Environmental and Social Impact Assessment (ESAI) and Resettlement Action Plan (RAP) that addresses the potential positive and negative social impact, including physical and livelihood displacement, will be developed in accordance with the safeguard requirements of the Bank.

## 3.3 Regional Integration

- 3.3.1 The proposed railway line under consideration will enhance connectivity between The Sudan (GDP 112.082bn) and Ethiopia (GDP112.001)<sup>1</sup> and boost integration and trade between the first and second biggest economies in Eastern Africa by GDP. It is a priority regional project as it provides connectivity with key PIDA corridors and is fully aligned with the Bank's regional Integration Strategic Framework (RISF-2018-2025) and the Eastern Africa Regional Integration Strategy paper (EA-RISP 2018-2022).
- 3.3.2 The project, if feasible will provide alternative routes and options for multi-modal linkages between roads and railways and enhance competitiveness of the various transport corridors and ports.
- 3.3.3 Currently both Ethiopia and Sudan score quite unfavourably in the Doing Business Report and are ranked at position 159 and 162 respectively out of 190 countries globally in 2019. In the trading across borders sub-index, Ethiopia is ranked 154 and the time to comply with border controls stands at 51 hours. The corresponding figures for Sudan are 87 (trading across borders rank) and 84 (border compliance hours). The Logistics Performance Index for 2018 places Sudan at position 121 out 160. Ethiopia was last ranked in 2016 at 126 out of 160. Kenya was then ranked 42, Tanzania 61 and Sudan 103.

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<sup>&</sup>lt;sup>1</sup> GDP figures are at current prices for 2018. Data source AfDB Africa Information Highway

#### IV – IMPLEMENTATION

### 4.1. Implementation arrangements

#### **Study Oversight**

- 4.1.1 The Ethiopian Railways Corporation (ERC) will be the Executing Agency for the proposed feasibility study. The ERC is a State Owned Enterprise established in 2007 with the mission to establish an urban and national railway network, with links to neighbouring countries. In addition to building new railways lines, ERC is also responsible for managing both passenger and freight rail operations.
- 4.1.2 The Chief Executive Officer (CEO) of ERC shall have overall authority and responsibility over implementation of the study. A suitably qualified and experienced Project Coordinator (PC), based in Addis Ababa and reporting to the CEO of ERC will be appointed to be responsible for the day-day management of the study including procurement, supervision of the study consultancy and of financial resources under the Study and regular reporting. Technical and financial progress reports will be submitted to the Bank on a quarterly basis. Sudan Railways Corporation shall appoint a counterpart PC, based in Khartoum, who shall liaise with the ERC PC during the implementation this study.
- 4.1.3 To ensure country ownership of the study and its outcomes, the EA shall ensure the active participation of key stakeholders from both countries during implementation of the study so that it takes into account all important issues and considerations.
- 4.1.4 The EA shall establish a Project Coordinating Committee (PCC) co-chaired by the CEO of ERC and Managing Director (MD) of Sudan Railways Corporation (SRC), comprising the relevant technical and managerial personnel. The PCC shall be the technical and managerial resource for Study and have oversight responsibility for the development and preparation of the Feasibility Study.

#### 4.2 Procurement

- 4.2.1 Procurement of Goods and the acquisition of consulting services, financed by the Bank for the project, will be carried out in accordance with the "Procurement Policy for Bank Group Funded Operations", dated August 2015 and following the provisions stated in the Financing Agreement. Specifically, Procurement would be carried out following:
- BPS Borrower Procurement System: Specific Procurement Methods and Procedures (PMPs) under BPS comprising its Laws and Regulations, namely: Public Procurement and Property Administration Proclamation (September, 2009) and Federal Public Procurement Directives (June, 2010), using the national Standard Solicitation Documents (SSDs) or other SDs agreed during project negotiations" under the defined thresholds for goods (USD100, 000.00), Non-consulting services (USD30, 000.00) and consulting services (USD100, 000.00), in accordance with;
- Bank PMPs: Bank standard PMPs, using the relevant Bank Standard or Model SDs, for contracts
  that are either: (i) above the above-captioned thresholds, or (ii) in case BPS is not relied upon for any
  category of procurement.
- **4.2.2 Procurement Risks and Capacity Development:** Country, Sector, Executing Agency (EA) namely: Ethiopia Railway Corporation on behalf of the two Governments, and Project procurement risk assessments were undertaken for the project and the output have informed the decisions on the procurement regimes (BPS, or Bank) and the PMPs being used for specific transactions or groups of similar transactions under the project. The appropriate mitigation measures and costs have been included in the procurement capacity development action plan (CDAP) under the project.

4.2.3 The procurement arrangements for the various components, elements, and items, under the different expenditure categories to be financed by the Loan/Grant and procured using BPS, Bank, and or Third Party PMPs, are summarized in Table 5.1 below. Large-value contracts, each group of similar transactions/contracts, the different PMPs, estimated costs, oversight requirements, and the timeframe as agreed between the Borrower and the Bank, are documented in the Procurement Plan.

Table 4.2 - Summary of Procurement Arrangements

| rable ne caninally of recarding in anger                 |                         |        |       |           |     |       |       |  |
|--|-------------------------|--------|-------|-----------|-----|-------|-------|--|
|  | Amounts in USD millions |        |       |           |     |       |       |  |
|  |                         | wer PN | 1Ps   | Bank PMPs |     |       |       |  |
| Study Categories   | OCB                     | LCB    | Other | OCB       | LCB | Other | Total |  |
| 1. Consulting Services- Feasibility Studies for SGR      |                         |        |       | 3.2*      |     |       | 3.2   |  |
| 2. Goods, Non-Consulting Services and Study Coordination |                         |        | 0.17  |           |     |       | 0.17  |  |
| 3. Study Audit   |                         |        |       | 0.03      |     |       | 0.03  |  |
| TOTAL  |                         |        | 0.17  | 3.23      |     |       | 3.4   |  |

NB: Figures with \* are amounts financed by the Bank, Fund or NTF or NEPAD-IPPF

- **4.2.4** Advance Procurement: Subject to the provisions of paragraph below, the Bank authorized Advance Contracting for the following: shortlisting of consultancy services for the feasibility study under component 1 of the Program in accordance with the Bank's PMPs within a period of two months prior to the Date of Signature in accordance with the Bank's Procurement Policy Framework.
- 4.2.4 The Recipient acknowledges and agrees that the authorization by the Bank for the use of Advance Contracting in accordance with paragraph above, does not, in any way constitute an offer or undertaking by the Bank to finance the contract awarded by the Recipient in respect of the Advance Contracting

## 4.3 Financial Management

- 4.3.1 The Bank conducted an FM assessment to ascertain the adequacy of the financial management system of the Executing Agency, Ethiopian Railways Corporation (ERC) based on the Bank's FM Implementation Guidelines-2014. The assessment concluded that the overall risk is "Moderate".
- 4.3.2 The Project will substantially make use of ERC's Financial Management System. The overall responsibility of financial management (including Budgeting, Accounting system, Internal Control, Treasury Management/Funds Flow, Financial Reporting and External Audit arrangements) rests with the Management of ERC under the Financial Management and Procurement Directorate Director. The Project FM function will be implemented within the ERC structure under the Finance Director. A Project Accountant with the knowledge and experience acceptable to the Bank will be assigned to carry out the finance function of the Project and will be supervised by the Project Coordinator and the Finance Director. The Internal Audit Department will, as part of its routine activities, audit the Project financial transactions regularly and accordingly share the reports with the Bank during the bi-annual Supervision Missions.
- 4.3.3 ERC has its own customized IFRS based Financial Policy manual. The Project is expected to use the IFRS accounting and financial reporting system of the Corporation. The Project Implementation team in collaboration with the Finance Director will be required to produce quarterly interim financial reports for the project with the quarterly progress reports, which will be submitted to the Fund no later than forty-five (45) days after the end of each quarter. ERC will also submit annual project audit report within six months after the end of each fiscal year.

#### 4.4 Disbursement

- 4.4.1 The grant resources will be disbursed in accordance with the Bank's disbursement procedures, which are also utilised by the NEPAD-IPPF. Payment of consultancy fees and charges associated with the services will be disbursed using the Direct Payment method upon certification of invoices by the Executing Agency and verification by the Bank. Payments for Study management related local expenses would be disbursed to a Special Account to be opened by the Executing Agency.
- 4.4.2 All disbursements under the grant will follow the procedures and standard supporting documents outlined in the Bank's Disbursement Handbook.

## 4.5 Supervision and Monitoring

- 4.5.1 The Executing Agency (ERC) will monitor the implementation of the services and forward to the Bank quarterly progress reports providing updated information on implementation. The reports will highlight the key issues and problem areas and proposed solutions.
- 4.5.2 The Bank will monitor the Study through review of the quarterly reports and key outputs of the studies. Bank will be undertaking two mission a year to supervise the Study.
- 4.5.3 At completion of the services, the Executing Agency will prepare and submit to the Bank a Study completion report in line with the acceptable format. The Bank will use the report as background document to prepare its own completion report.

## 4.6. Risk management

- 4.6.1 Political risk Both Ethiopia and Sudan have undergone recent political developments that leave them exposed to moderate to high risk of political instability. To mitigate the Sudan risk, the two Governments have designated Ethiopia Railways Corporation as the Executing agency.
- 4.6.2 Procurement Delay risks Delays could arise during the procurement process. In mitigation, Ethiopia has applied, and the Bank has approved the use of Advanced Contracting Procedures.
- 4.6.3 Implementation Delays risks Difficulties in accessing sites, approval of data or validation of reports, consensus building, and others could delay the study implementation. To mitigate, the Study has provided for close liaison between the two government and deep consultations with all stakeholders.

## 4.7. Knowledge building

The Ethiopia – Sudan Standard Gauge Railway study consist of collecting, analysing and assembling data which will form a source of knowledge to inform the Bank, governments of Ethiopia and Sudan, and prospective financiers of the viability and conditions for successful implementation of this and similar projects. Therefore, the study will generate knowledge on the feasibility, design, and implementation of SGRs in the region.

#### V – LEGAL INSTRUMENTS AND AUTHORITY

## 5.1. Legal instrument

The financing instrument to be used for this study is a protocol of agreement for an amount not exceeding Eight Hundred Sixty-Three Thousand Units of Account (UA 863,000) to be signed between the Fund and the Federal Democratic Republic of Ethiopia;

#### 5.2. Conditions associated with Bank's intervention

**Section 1.02.** Entry into Force and Disbursement: The Agreement shall enter into force on the Date of Signature by the Recipient and the Fund

**Section 2.03.** <u>Condition Precedent to First Disbursement</u>. The obligation of the Fund to make the first disbursement of the Grant shall be subject to the entry into force of the Agreement

## 5.3. Compliance with Bank Policies

This Study complies with all applicable Bank policies.

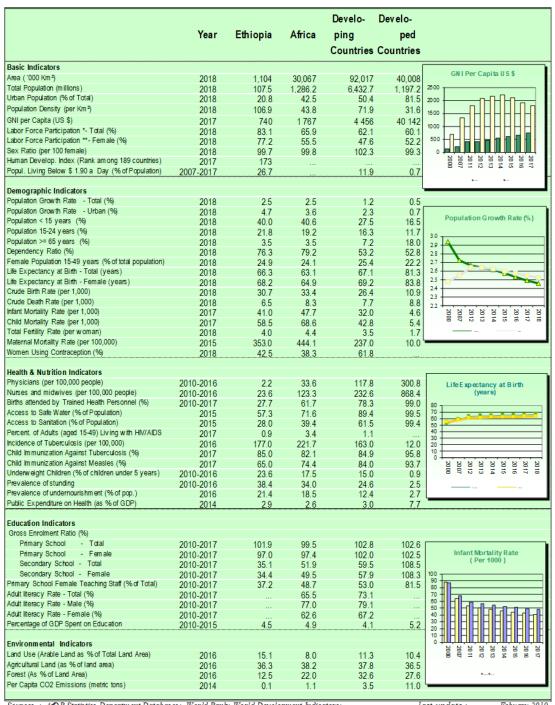
## VI - RECOMMENDATION

Management recommends that the Board of Directors approve the proposed ADF 14 grant of Eight Hundred Sixty-Three Thousand Units of Account (UA 863,000) to the Federal Democratic Republic of Ethiopia for the purposes and subject to the conditions stipulated in this report.

## Appendix Ia. Country's comparative socio-economic indicators

#### **Ethiopia**

#### COMPARATIVE SOCIO-ECONOMIC INDICATORS



Sources: AfDB Statistics Department Databases; World Bank: World Development Indicators;

last update :

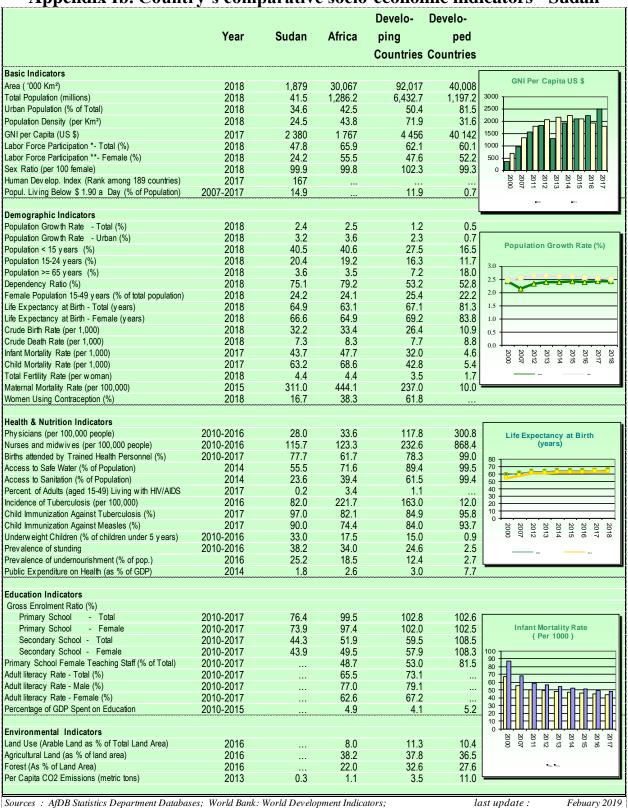
Febuary 2019

UNAIDS; UNSD; WHO, UNICEF, UNDP; Country Reports.

Note: n.a.: Not Applicable; ...: Data Not Available. \* Labor force participation rate, total (% of total population ages 15+)

<sup>\*\*</sup> Labor force participation rate, female (% of female population ages 15+)

Appendix Ib. Country's comparative socio-economic indicators - Sudan



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UNAIDS; UNSD; WHO, UNICEF, UNDP; Country Reports.

Note: n.a.: Not Applicable; ...: Data Not Available. \* Labor force participation rate, total (% of total population ages 15+)

\*\* Labor force participation rate, female (% of female population ages 15+)

# Appendix IIa. Table of ADB's portfolio in the country 2019- Ethiopia

|      |  |                      | Loan/Grant               |                  | Disburs    |          |                                  | Age            |                        |
|------|--|----------------------|--------------------------|------------------|------------|----------|----------------------------------|----------------|------------------------|
| No   | Project  | Approval             |                          | ement            | IP         | DO       | PFI Status                       |                | Closing                |
|      |  | Date                 | Amount (UA)              | Ratio            |            |          |                                  | Years          | Date                   |
|      | LIC SECTOR OPERATIONS  |                      |                          |                  |            |          |                                  |                |                        |
|      | CULTURE SECTOR   |                      | 69,482,000               |                  |            |          |                                  |                |                        |
| 1    | Drought Resilience and Sustainable Livelihoods I   | 19-Dec-12            | 30,000,000               | 50.21%           | 3          | 3        | NON-PP/NON PPP                   | 6.3            | 31-Dec-21              |
| 2    | Drought Resilience and Sustainable Livelihoods II  | 26-Nov-14            | 28,482,000               | 32.27%           | 2.78       | 3        | NON-PP/NON PPP                   | 4.4            | 31-Dec-20              |
| 3    | Integrated Agro Industrial Parks Support Project   | 6-Dec-18             | 11,000,000               | 0.00%            | NR         | NR       | NON-PP/NON PPP                   | 0.4            | 31-Dec-23              |
| TRA  | NSPORT SECTOR  Mombasa-Nairobi- Addis Road Corridor-Hawassa-Agere  |                      | 299,027,699              |                  |            |          |                                  |                |                        |
| 4    | Mariam Road Project (Phase III)  | 30-Nov-11            | 105,000,000              | 78.59%           | 3          | 3        | NON-PP/NON PPP                   | 7.4            | 31-Dec-19              |
| 5    | Bedele-Metu Road Upgrading   | 10-Nov-11            | 41,060,000               | 84.42%           | 3          | 3        | NON-PP/NON PPP                   | 12.4           | 30-Dec-19              |
| 6    | Modjo- Hawassa Highway Road Project Phase I  | 6-Nov-13             | 84,080,000               | 61.20%           | 3.2        | 3        | NON-PP/NON PPP                   | 5.5            | 31-Dec-20              |
|      | Modjo- Hawassa Highway Road Project Phase I*   | 6-Nov-13             | 1,630,000                | 35.48%           | 3.2        | 3        | NON-PP/NON PPP                   | 5.4            | 31-Dec-20              |
| 7    | Ethiopia Integrated Transport Program Phase I*   | 7-Dec-16<br>7-Dec-16 | 41,667,836<br>25,589,863 | 14.05%<br>15.31% | 3          | 3        | NON-PP/NON PPP<br>NON-PP/NON PPP | 2.4            | 31-Dec-23<br>31-Dec-23 |
| ENEE | Ethiopia Integrated Transport Program Phase I  | /-Dec-10             | 296,040,000              | 13.31%           | 3          | 3        | NON-PP/NON PPP                   | 2.4            | 31-Dec-23              |
| 8    | Ethiopia-Kenya Electricity Highway Project   | 19-Sep-12            | 150,000,000              | 54.64%           | 4          | 3        | NON-PP/NON PPP                   | 6.6            | 31-Dec-20              |
| 9    | Mekelle-Dallol & Semera-Afdera Power I ransmission   | 14-Jul-16            | 73,810,000               | 10.46%           | 3          | 3        | NON-PP/NON PPP                   | 2.8            | 31-Dec-20              |
| 10   | Addis Ababa Transmission & Distribution System   | 22-Nov-17            | 61.410.000               | 0.19%            | 3          | 3        | NON-PP/NON PPP                   | 1.4            | 31-Dec-23              |
| 10   | Rehabilitation and Ungrading Project<br>Addis Ababa Transmission & Distribution System                                       |                      | ,,                       |                  |            |          |                                  |                |                        |
|      | Rehabilitation and Upgrading Project*  | 22-Nov-17            | 10,820,000               | 1.64%            | 3          | 3        | NON-PP/NON PPP                   | 1.4            | 31-Dec-23              |
| WAT  | ER SECTOR  |                      | 124,942,049              |                  |            |          |                                  |                |                        |
| 11   | Support to the One Water Sanitation and Hygiene National   | 8-Sep-14             | 60,000,000               | 90.44%           | 4          | 4        | NON-PP/NON PPP                   | 4.7            | 30-Jun-19              |
|      | Support to the One Water Sanitation and Hygiene National Program*  | 8-Sep-14             | 6,810,000                | 57.36%           | 4          | 4        | NON-PP/NON PPP                   | 4.7            | 30-Jun-19              |
|      | Additional Financing to the One Water Sanitation and<br>Hygiene National Program   | 30-Mar-17            | 2,280,000                | 100%             | 4          | 4        | NON-PP/NON PPP                   | 2.1            | 30-Jun-19              |
|      | Additional Financing to the One Water Sanitation and<br>Hygiene National Program*  | 30-Mar-17            | 1,840,000                | 100%             | 4          | 4        | NON-PP/NON PPP                   | 2.1            | 30-Jun-19              |
| 12   | Four Towns Water and Sanitation Improvement Program  | 13-Jan-16            | 54,012,049               | 2.42%            | 3          | 3        | NON-PP/NON PPP                   | 3.3            | 31-Dec-21              |
| MUL  | Π - SECTOR   |                      | 269,833,000              |                  |            |          |                                  |                |                        |
| 13   | Basic Services Transformation Program Basic Services 1 ransformation Program Supplementary                                   | 17-Dec-15            | 180,000,000              | 100%             | 3          | 4        | NON-PP/NON PPP                   | 3.3            | 31-Dec-18              |
|      | Einancing  | 14-Nov-18            | 88,660,000               | 0%               | NR         | NR       | NON-PP/NON PPP                   | 0.4            | 31-Jul-20              |
| 14   | Institutional Support project for PPPs   | 26-May-15            | 1,173,000                | 52.01%           | 3          | 3        | NON-PP/NON PPP                   | 3.9            | 30-Nov-19              |
|      | PUBLIC SECTOR TOTAL  |                      | 1,059,324,748            |                  |            |          |                                  |                |                        |
|      | ATE SECTOR OPERATIONS  |                      |                          |                  |            |          |                                  |                |                        |
| 15   | Ethiopian Airlines   | 14-Dec-16            | 91,071,429               | 100%             | 3          | 3        | NON-PP/NON PPP                   | 2.4            | 31-Dec-17              |
|      | PRIVATE SECTOR TOTAL   |                      | 91,071,429               |                  |            |          |                                  |                |                        |
| TOTA | AL INVESTMENT OPERATIONS   |                      | 1,150,396,177            |                  |            |          |                                  |                |                        |
| TRUS | ST FUNDS   |                      |                          |                  |            |          |                                  |                |                        |
| 16   | Marketing and Service Chain Support for Total Sanitation<br>in Arba Minch  | 11-Jun-15            | 973,536                  | 58.93%           | 3          | 3        | NON-PP/NON PPP                   | 3.9            | 30-Sep-20              |
| 17   | Strengthening National Evaluation Systems in Africa<br>Initiative  | 1-Jan-18             | 178,571                  |                  | NR         | NR       | NON-PP/NON PPP                   | 1.3            | 31-May-19              |
| 18   | Technical Assistance for Customs Reforms and<br>Modernization to Africa's Eight Landlocked Countries<br>(KOAFEC Trust Fund)* | 31-May-18            | 434,971                  |                  | NR         | NR       | NON-PP/NON PPP                   | 0.9            | 31-May-19              |
| 19   | Technical Assistance to Logistics Reform   | 15-Oct-18            | 71,429                   |                  | NR         | NR       | NON-PP/NON PPP                   | 0.5            | 15-Oct-20              |
| 20   | Ethiopia-Eritrea Trade Transport Corridor Diagnostic<br>Study <sup>2</sup>   | 15-Nov-18            | 249,000                  |                  | NR         | NR       | NON-PP/NON PPP                   | 0.4            | 30-Nov-20              |
| 21   | Preparation of Strategic Plan for Agricultural and Rural<br>Statistics of Ethiopia (SPARS_ETH)                               | 1-Jun-18             | 43,571                   |                  | NR         | NR       | NON-PP/NON PPP                   | 0.9            |                        |
| 22   | Organic and Fair Trade Red Pepper & Tropical Spices  | 30-Nov-17            | 139,286                  |                  | NR         | NR       | NON-PP/NON PPP                   | 1.4            |                        |
| 23   | Premium Coffee cultivation & processing  | 30-Nov-17            | 107,143                  |                  | NR         | NR       | NON-PP/NON PPP                   | 1.4            |                        |
| TOTA | AL TRUST FUNDS   |                      | 2,197,507                |                  |            |          |                                  |                |                        |
| TOT  | AL PORTFOLIO   |                      | 1,152,593,684            |                  |            |          |                                  |                |                        |
|      | *Grant component   | USD                  | 1,613,631,158            |                  | 3.1        | 3.1      |                                  | 4.7            |                        |
|      | <sup>1</sup> The project targets eight landlocked countries in Africa in   | ncluding Ethic       | pia. The budget is       | s not speci      | ific to Et | hiopia l | out is shared among the          | eight countrie | s.                     |
|      | <sup>2</sup> The project is jointly co-financed by the AfDB and the I  | Europ ean Uni        | on.                      |                  |            |          |                                  |                |                        |

<sup>16</sup> 

Appendix IIb. Table of ADB's portfolio in the country 2019- Sudan

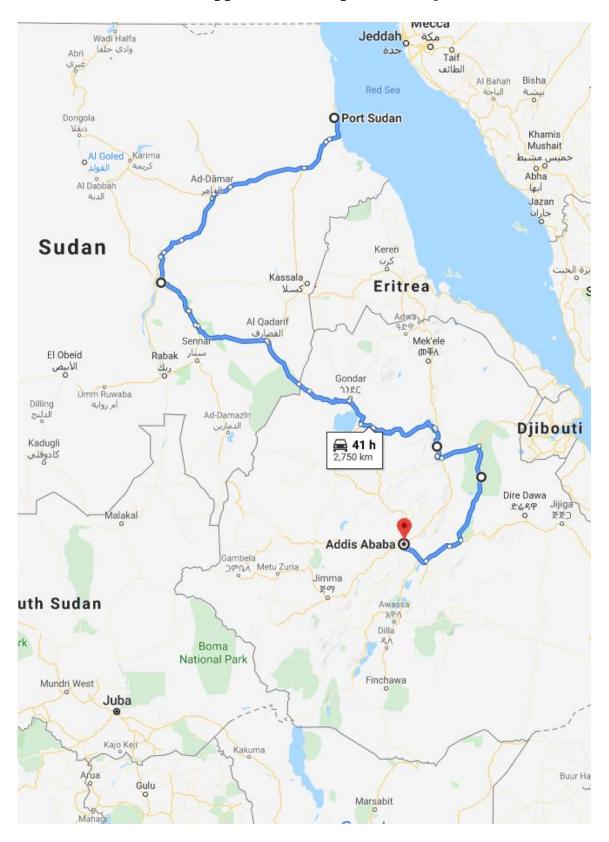
|     | STATUS OF ONGOING OPERATIONS AS OF 2019  |                            |  |               |                      |                        |                         |                          |                       |  |  |
|-----|--|----------------------------|--|---------------|----------------------|------------------------|-------------------------|--------------------------|-----------------------|--|--|
|     | PUBLIC SECTOR GRANTS   |                            |  |               |                      |                        |                         |                          |                       |  |  |
| No  | Project Name   | Window                     | Sector                                   | Approval Date | Disburse<br>Deadline | Loan Number            | Amount<br>Approved (UA) | Amount<br>Disbursed (UA) | Disbursed<br>Rate (%) |  |  |
| 1.  | Drought Resilience and<br>Sustainable Livelihood<br>Program Phase II                                     | ADF                        | Agriculture<br>& Livestock               | 14.11.2014    | 31.12.2020           | 2100155028970          | 10,000,000              | 2478902.41               | 24.79%                |  |  |
|     | Drought Resilience and<br>Sustainable Livelihood<br>Program Phase II                                     | TSF                        | Agriculture<br>& Livestock               | 14.11.2014    | 31.12.2020           | 5900155007901          | 10,000,000              | 720491.51                | 7.30%                 |  |  |
| 2.  | Drought Resilience and<br>Sustainable Livelihood<br>Program Phase III                                    | ADF (RO)                   | Agriculture<br>& Livestock               | 14.11.2015    | 30.06.2021           | 2100155030121          | 10,000,000              | 724158.48                | 7.24%                 |  |  |
| 3.  | Building Capacity for<br>Inclusive Service<br>Delivery   | 50% of<br>PBA              | Social Sector<br>(Health)                | 02.03.2015    | 30.06.2020           | 2100155029468          | 27,990,000              | 6,018,098.22             | 21.50%                |  |  |
| 4.  | Capacity Building for<br>Improved Quality of<br>Education and Skills<br>Development                      | TSF Pillar<br>1            | Social Sector<br>(Education)             | 14.05.2015    | 30.05.2020           | 5900155008451          | 15,300,000              | 5,372,951.94             | 35.12%                |  |  |
| 5.  | Water Sector Reform<br>Project   | TSF Pillar<br>1            | Social Sector<br>(Water &<br>Sanitation) | 10.07.2015    | 30.07.2020           | 5900155008851          | 15,000,000              | 4798176.82               | 31.99%                |  |  |
| ,   | Water Sector Reform<br>Project   | RWSSI -<br>TF              | Social Sector<br>(Water &<br>Sanitation) | 09.09.2015    | 30.06.2020           | 5800155001551          | 647621.21               | 580956.69                | 89.71%                |  |  |
| 6.  | Capacity Building for<br>Enhanced Women<br>Participation in Peace<br>Building and Economic<br>Activities | TSF Pillar<br>III          | Multi-sector                             | 02.02.2016    | 31.12.2019           | 5900155009901          | 3,200,000.00            | 1882724.56               | 58.84%                |  |  |
| 7.  | Enable Youth Program   | TSF Pillar<br>1            | Agriculture                              | 28.11.2016    | 28.11.2021           | 5900155011051          | 19,700,000              | 3187935.51               | 16.18%                |  |  |
|     | Enable Youth Program   | ADF                        | Agriculture                              | 28.11.2016    | 28.11.2021           | 2100155033617          | 1250000                 | 648515.06                | 51.88%                |  |  |
| 8.  | Institutional Capacity Building for Improved Access to Water and Sanitation in Port Sudan                | TSF Pillar<br>1            | Water &<br>Sanitation                    | 15.10.2017    | 31.12.2022           | 5900155012501          | 15,000,000.00           | 269457.02                | 1.80%                 |  |  |
| 9.  | Improving Health<br>Services and Systems<br>Strengthening  | TSF Pillar<br>I            | Health                                   | 15.1.2018     | 15.1.2023            | 5900155013051          | 20,050,000.00           | 1,895,929.49             | 9.46%                 |  |  |
| 10. | Agricultural Value<br>Chain Development<br>Project (AVCDP)   | TSF,<br>FAPA               | Agriculture                              | June 2018     | 31·12.2023           | 5900155013802          | 24,950,000              | 426786.56                | 1.71%                 |  |  |
|     | Agricultural Value<br>Chain Development<br>Project (AVCDP)   | ADF                        | Agriculture                              | June 2018     | 31·12.2023           | 2100155037466          | 4,000,000               | 0                        | (                     |  |  |
| 11. | Policy Support to<br>Preparation for Debt<br>Relief  | TSF<br>Pillar?             | Multi-Sector                             | 12.01.2018    | 30.06.2020           | 5900155013652          | 660,000.00              | 98,199.55                | 14.88%                |  |  |
| 12. | Emergency Assistance<br>to White Nile State 2018   | Special<br>Relief<br>Funds | Social                                   | 06.09.2018    | 31.10.2019           | 5000199005368          | 712,672.02              | 0                        | (                     |  |  |
| 13. | Rural Livelihood<br>Adaptation to Climate<br>Change II (RLACC II)  | GEF                        | Agriculture                              | 15.12.2017    | 31.04.2021           | 555015501401           | 5,099512.54             | 64802.28                 | 1.27%                 |  |  |
| 14. | African Legal Support<br>Facility (ALSF)   | ALSF                       | Technical<br>Assistance                  | 09.03.2014    | 31.12.2018           | ALSF/Grant/02/<br>2014 | 651,856.49              | 100,000.00               | 15.34%                |  |  |
| 15. | ICT in Education   | Korean<br>Trust<br>Fund    | Social<br>(Education)                    | 28.06.2018    | 28.06.2019           |                        | 309,742.48              | 0                        | (                     |  |  |
|     | Total  |                            |  |               |                      |                        | 184,521,404.74          |                          |                       |  |  |
|     |  |                            |  |               |                      |                        |                         |                          |                       |  |  |

|    |  |                   |  | Pip        | oeline Projects |                |   |   |
|----|--|-------------------|--|------------|-----------------|----------------|---|---|
| 1. | Water and Sanitation<br>Project for North and<br>West Kordofan |                   | Social Sector<br>(Water and<br>Sanitation) |            |                 | 22.155,000     |   |   |
| 2. | Solar Powered Pumping for Irrigation                           | PBA               | Energy                                     |            |                 | 14.490,000     |   |   |
| 3. | Elnefeidi Group  | Private<br>Sector | Agriculture                                |            |                 | 42,000,000     |   |   |
|    |  |                   |  | PRIVATE SI | ECTOR OPERATIO  | NS             |   |   |
| 1  | DAL Group Food and<br>Agriculture Program                      | Private<br>Sector | Agriculture                                | 13.12.2018 |                 | 54,024,851.43  | 0 | 0 |
|    | Total of All Active<br>Projects                                |                   |  |            |                 | 238,546,256.17 |   |   |

# Appendix III. Key related projects financed by the Bank and other development partners in the country On-going & Completed Donors Financed Projects - 2019

|  |  | Road   | rojects - 20  |  |
|--|--|--|---|--|
| Contract Name  | Donor  | Length<br>(km)   | Amount  | Status   |
| African Development Bank projects  | AfDB   | 1260.88  | 511.18  |  |
| Wacha - Maji road  | AfDB   | 175  | 22.71   | Completed  |
| Jima - Mizan road  | AfDB   | 232  | 65.00   | Completed  |
| Mombasa-Nairobi -Addis Ababa Phase II  | AfDB   | 303  | 85.00   | Completed  |
| Bedele - Metu road   | AfDB   | 112  | 41.06   | Completed  |
|  |  |  |   |  |
| Mombasa - Addis Ababa Phase III  | AfDB   | 200  | 105.00  | On-going   |
| Bedele – Metu Cont. 1  | AfDB   | 61   | 41.06   | On-going   |
| Modjo–Hawasa Express way (Modjo – Meki)  | AfDB   | 112.88   | 84.08   | On-going   |
| Ethiopia Integrated Transport Porgram Phase  | AfDB   | 65   | 67.27   | on-going   |
| APL II   | World Bank   | 887  | USD 372.80 m  |  |
| Assela - Dodola - Junction   | World Bank   | 100  |   | Completed  |
| Dodola Junction - Goba   | World Bank   | 130  |   | Completed  |
| Adiabun-Shire  | World Bank   | 92   |   | Completed  |
| Nekempte - Mekenajo  | World Bank   | 127  |   | Completed  |
| GobGob - Gashana   | World Bank   | 86   |   | Completed  |
| Gashana - Woldia   | World Bank   | 106  |   | Completed  |
| Magna - Mechara  | World Bank   | 120  |   | Completed  |
| Assosa - Blue Nile - Guba  | World Bank   | 126  |   | Completed  |
| APL III  | World Bank   | 579  | 235.80 million USD  |  |
| Gondar-Debark  | World Bank   | 107  |   | Completed  |
| Gedo - Nekmepte  | World Bank   | 134  |   | Completed  |
| Aposto Irbamoda  | World Bank   | 94   |   | Completed  |
| Irbamoda - Wadera  | World Bank   | 109  |   | Completed  |
| Wadera - Negele  | World Bank   | 65   |   | Completed  |
| Yalo - Nehile  | World Bank   | 70   |   | Completed  |
| APL IV   | World Bank   | 395  | 263.30 million USD  |  |
| Mekenajo - Dembi Dolo  | World Bank   | 181  |   | Completed  |
| Welkite - Hossaina   | World Bank   | 125  |   | Completed  |
| Ankober - Awash Arba   | World Bank   | 89   |   | Completed  |
| RSDP4  | World Bank   | 435  | 415.0 million USD   |  |
| Ambo - Weliso  | World Bank   | 64   |   | On-going (Terminated)  |
| Debre Birhan - Ankober   | World Bank   | 42   |   | On-going   |
| Kombolcha - Bati - Mille   | World Bank   | 130  |   | Completed  |
| Mizan - Dima   | World Bank   | 92   |   | On-going   |
| Konso - Yabelo   | World Bank   | 107  |   | On-going   |
| Road Sector Support Project  | World Bank   |  | SDR 208,500,000   |  |
| Nekemte-Bure   | World Bank   | 258  |   | On-going   |
|  |  |  |   |  |
| Expressway Development Support Project   | World Bank   |  | US 370,000,000  |  |
| Lott III Zeway – Arsi - Negelle  | World Bank   | 57   |   | On-going   |
| Dembi - Bedele   | BADEA  | 62   | 9.20 million USD  | Completed  |
|  | OPEC Fund  | 26   | 4.80 million USD  | Completed  |
| Metu - Gore  |  |  |   |  |
| Gore - Gambella  | BADEA  | 145  | 13.00 million USD   | Completed  |
| Gore - Gambella  | OPEC Fund  | 145  | 15.00 million USD   | Completed  |
|  | OPEC Fund<br>BADEA   |  | 15.00 million USD<br>13.00 million USD  |  |
| Gore - Gambella  | OPEC Fund<br>BADEA<br>OFID   | 145  | 15.00 million USD<br>13.00 million USD<br>15.00 million USD   | Completed  |
| Gore - Gambella<br>Azezo - Gint - Metema   | OPEC Fund<br>BADEA<br>OFID<br>SAUDI Fund   |  | 15.00 million USD<br>13.00 million USD<br>15.00 million USD<br>18.00 million USD  |  |
| Gore - Gambella  | OPEC Fund<br>BADEA<br>OFID<br>SAUDI Fund<br>BADEA  | 184  | 15.00 million USD<br>13.00 million USD<br>15.00 million USD<br>18.00 million USD<br>6.50 million USD  | Completed  |
| Gore - Gambella<br>Azezo - Gint - Metema<br>Assosa - Kurmuk  | OPEC Fund<br>BADEA<br>OFID<br>SAUDI Fund   |  | 15.00 million USD<br>13.00 million USD<br>15.00 million USD<br>18.00 million USD  |  |
| Gore - Gambella Azezo - Gint - Metema Assosa - Kurmuk Road Sector Development Support Program  | OPEC Fund<br>BADEA<br>OFID<br>SAUDI Fund<br>BADEA<br>SAUDI Fund  | 184  | 15.00 million USD<br>13.00 million USD<br>15.00 million USD<br>18.00 million USD<br>6.50 million USD<br>6.50 million USD  | Completed  |
| Gore - Gambella  Azezo - Gint - Metema  Assosa - Kurmuk  Road Sector Development Support Program  Phase III-Project  | OPEC Fund BADEA OFID SAUDI Fund BADEA SAUDI Fund NDF   | 184  | 15.00 million USD<br>13.00 million USD<br>15.00 million USD<br>18.00 million USD<br>6.50 million USD<br>6.50 million USD  | Completed  |
| Gore - Gambella Azezo - Gint - Metema Assosa - Kurmuk Road Sector Development Support Program  | OPEC Fund BADEA OFID SAUDI Fund BADEA SAUDI Fund NDF Kuwait Fund   | 184<br>100<br>FS / DD  | 15.00 million USD 13.00 million USD 15.00 million USD 15.00 million USD 6.50 million USD 6.50 million USD 10.00 million USD   | Completed  |
| Gore - Gambella  Azezo - Gint - Metema  Assosa - Kurmuk  Road Sector Development Support Program  Phase III-Project  | OPEC Fund BADEA OFID SAUDI Fund BADEA SAUDI Fund NDF Kuwait Fund BADEA   | 184  | 15.00 million USD 13.00 million USD 15.00 million USD 18.00 million USD 6.50 million USD 6.50 million USD 10.00 million USD 10.00 million EURO 20 million Kuwait Din 10.00 million USD  | Completed  |
| Gore - Gambella Azezo - Gint - Metema Assosa - Kurmuk Road Sector Development Support Program Phase II-Project Nekempte - Bedele   | OPEC Fund BADEA OFID SAUDI Fund BADEA SAUDI Fund NDF Kuwait Fund BADEA OFID  | 184<br>100<br>FS / DD  | 15.00 million USD 13.00 million USD 15.00 million USD 15.00 million USD 6.50 million USD 6.50 million USD 0.00 million USD 10.00 million EURO 00 million Kuwait Din 10.00 million USD   | Completed  Completed  Completed  |
| Gore - Gambella  Azezo - Gint - Metema  Assosa - Kurmuk  Road Sector Development Support Program  Phase III-Project  Nekempte - Bedele  Wukro - Zalambessa   | OPEC Fund BADEA OFID SAUDI Fund BADEA SAUDI Fund NDF Kuwait Fund BADEA OFID Kuwait Fund  | 184<br>100<br>FS / DD<br>96  | 15.00 million USD 13.00 million USD 15.00 million USD 18.00 million USD 6.50 million USD 6.50 million USD 10.00 million EURO 00 million Kuwait Din 10.00 million USD 15.00 million USD  | Completed  Completed  Completed  |
| Gore - Gambella Azezo - Gint - Metema Assosa - Kurmuk Road Sector Development Support Program Phase II-Project Nekempte - Bedele Wukro - Zalambessa Dejen - Lumame   | OPEC Fund BADEA OFID SAUDI Fund BADEA SAUDI Fund NDF Kuwait Fund BADEA OFID Kuwait Fund  | 184<br>100<br>FS / DD  | 15.00 million USD 13.00 million USD 15.00 million USD 18.00 million USD 18.00 million USD 6.50 million USD 6.50 million USD 10.00 million USD 10.00 million USD 15.00 million USD 15.00 million USD 15.00 million USD 16.00 million | Completed  Completed  Completed  Completed  Completed  |
| Gore - Gambella  Azezo - Gint - Metema  Assosa - Kurmuk  Road Sector Development Support Program  Phase III-Project  Nekempte - Bedele  Wukro - Zalambessa   | OPEC Fund BADEA OFID SAUDI Fund BADEA SAUDI Fund NDF Kuwait Fund BADEA OFID Kuwait Fund Japan Saudi  | 184<br>100<br>FS / DD<br>96<br>100<br>29   | 15.00 million USD 13.00 million USD 15.00 million USD 18.00 million USD 6.50 million USD 6.50 million USD 6.50 million USD 0.00 million EURO 00 million EURO 00 million EURO 00 million USD 00 million EURO 01.50.00 million USD  | Completed  Completed  Completed  Completed  Completed  Completed  Completed  On-going (Terminated)   |
| Gore - Gambella Azezo - Gint - Metema Assosa - Kurmuk Road Sector Development Support Program Phase II-Project Nekempte - Bedele Wukro - Zalambessa Dejen - Lumame   | OPEC Fund BADEA OFID SAUDI Fund BADEA SAUDI Fund NDF Kuwait Fund BADEA OFID Kuwait Fund Japan Saudi Abu Dhabi  | 184<br>100<br>FS / DD<br>96  | 15.00 million USD 15.00 million USD 15.00 million USD 15.00 million USD 6.50 million USD 6.50 million USD 6.50 million USD 0.00 million USD 0.00 million USD 0.00 million USD 0.00 million USD 00 million Kuwait Dir 1.0.00 million USD 00 million USD 10.10 million USD   | Completed  Completed  Completed  Completed  Completed  On-going (Terminated and restarted with new   |
| Gore - Gambella Azezo - Gint - Metema Assosa - Kurmuk Road Sector Development Support Program Phase II-Project Nekempte - Bedele Wukro - Zalambessa Dejen - Lumame Gedo - Menebegna  | OPEC Fund BADEA OFID SAUDI Fund BADEA SAUDI Fund NDF Kuwait Fund BADEA OFID Kuwait Fund Japan Saudi Abu Dhabi BADEA  | 184<br>100<br>FS / DD<br>96<br>100<br>29<br>80.5                                 | 15.00 million USD 15.00 million USD 15.00 million USD 18.00 million USD 6.50 million USD 6.50 million USD 10.00 million EURO 00 million EURO 00 million EURO 00 million EURO 00 million USD 10.00 million USD 10.00 million USD   | Completed  Completed  Completed  Completed  On-going (Terminated and restarted with new contractor)  |
| Gore - Gambella Azezo - Gint - Metema Assosa - Kurmuk Road Sector Development Support Program Phase II-Project Nekempte - Bedele Wukro - Zalambessa Dejen - Lumame   | OPEC Fund BADEA OFID SAUDI Fund BADEA SAUDI Fund WITH Kuwait Fund BADEA OFID Kuwait Fund Japan Saudi Abu Dhabi BADEA Kuwait Fund   | 184<br>100<br>FS / DD<br>96<br>100<br>29   | 15.00 million USD 15.00 million USD 15.00 million USD 15.00 million USD 6.50 million USD 6.50 million USD 6.50 million USD 0.00 million EURO 00 million EURO 00 million USD 10.00 million USD 10.00 million USD  | Completed  Completed  Completed  Completed  On-going (Terminated and restarted with new contractor)  |
| Gore - Gambella  Azezo - Gint - Metema  Assosa - Kurmuk  Road Sector Development Support Program  Phase III-Project Nekempte - Bedele  Wukro - Zalambessa Dejen - Lumame Gedo - Menebegna  Dessie - Kutaber  | OPEC Fund BADEA OFID SAUDI Fund BADEA SAUDI Fund NDF Kuwait Fund BADEA OFID Kuwait Fund Japan Saudi Abu Dhabi BADEA Kuwait Fund Saudi SAUEA  | 184<br>100<br>FS / DD<br>96<br>100<br>29<br>80.5<br>67.5                         | 15.00 million USD 13.00 million USD 15.00 million USD 18.00 million USD 6.50 million USD 6.50 million USD 10.00 million EURO 00 million Kuwait Dir 10.00 million Kuwait Dir 10.00 million Stood Wen 4.158.000,000 Yen 25.00 million USD 10.00 million USD   | Completed  Completed  Completed  Completed  On-going (Terminated and restarted with new contractor)  |
| Gore - Gambella Azezo - Gint - Metema Assosa - Kurmuk Road Sector Development Support Program Phase II-Project Nekempte - Bedele Wukro - Zalambessa Dejen - Lumame Gedo - Menebegna  | OPEC Fund BADEA OFID SAUDI Fund BADEA SAUDI Fund NDF Kuwait Fund BADEA OFID Kuwait Fund Japan Saudi Abu Dhabi BADEA Kuwait Fund Saudi Abu Ohabi BADEA  | 184<br>100<br>FS / DD<br>96<br>100<br>29<br>80.5                                 | 15.00 million USD 15.00 million USD 15.00 million USD 15.00 million USD 6.50 million USD 6.50 million USD 6.50 million USD 10.00 million EURO 00 million EURO 00 million EURO 00 million Kuwait Dir 10.00 million USD 00 million Kuwait Dir 10.00 million USD 00 million Kuwait Dir 15.00 million USD 00 million USD 00 million USD 00 million USD 10.00 million USD 00 million USD 00 million USD 00 million USD 00 million USD  | Completed  Completed  Completed  Completed  Completed  Completed  conractoria (Terminated and restarted with new contractor)  Completed  |
| Gore - Gambella  Azezo - Gint - Metema  Assosa - Kurmuk  Road Sector Development Support Program  Phase III-Project  Nekempte - Bedele  Wukro - Zalambessa  Dejen - Lumame  Gedo - Menebegna  Dessie - Kutaber  Arbereketi - Gelemso (Contract 1)  | OPEC Fund BADEA OFID SAUDI Fund BADEA SAUDI Fund NDF Kuwait Fund BADEA OFID Kuwait Fund Japan Saudi Abu Dhabi BADEA Kuwait Fund Saudi OFID Saudi OFID Saudi SADEA  | 184<br>100<br>FS / DD<br>96<br>100<br>29<br>80.5<br>67.5                         | 15.00 million USD 15.00 million USD 15.00 million USD 18.00 million USD 18.00 million USD 6.50 million USD 6.50 million USD 6.50 million USD 10.00 million EURO 00 million Kuwait Dir 10.00 million Kuwait Dir 10.00 million Kuwait Dir 10.00 million USD 20 million USD 20 million USD 20 million USD 10.00 million USD  | Completed  Completed  Completed  Completed  Completed  Completed  On-going (Terminated and restarted with new contractor)  Completed  On-going   |
| Gore - Gambella  Azezo - Gint - Metema  Assosa - Kurmuk  Road Sector Development Support Program  Phase III-Project Nekempte - Bedele  Wukro - Zalambessa Dejen - Lumame Gedo - Menebegna  Dessie - Kutaber  | OPEC Fund BADEA OPID SAUDI Fund BADEA SAUDI Fund NDF Kuwait Fund BADEA OPID Kuwait Fund Japan Saudi Abu Dhabi BADEA Kuwait Fund Saudi Abu Dhabi BADEA OPID BADEA OPID  | 184<br>100<br>FS / DD<br>96<br>100<br>29<br>80.5<br>67.5                         | 15.00 million USD 15.00 million USD 15.00 million USD 15.00 million USD 6.50 million USD 6.50 million USD 6.50 million USD 0.00 million EURO 00 million EURO 00 million EURO 00 million USD 00 million USD 01.00 million USD 01.00 million USD 01.00 million USD 00 million USD 00 million USD 00 million USD 10.00 Million USD 10.000,000 USD  | Completed  Completed  Completed  Completed  Completed  Completed  conracting (Terminated and restarted with new contractor)  Completed   |
| Gore - Gambella  Azezo - Gint - Metema  Assosa - Kurmuk  Road Sector Development Support Program  Phase III-Project  Nekempte - Bedele  Wukro - Zalambessa  Dejen - Lumame  Gedo - Menebegna  Dessie - Kutaber  Arbereketi - Gelemso (Contract 1)  | OPEC Fund BADEA OFID SAUDI Fund BADEA SAUDI Fund BADEA OFID Kuwait Fund Japan Saudi Abu Dhabi BADEA Kuwait Fund BADEA GFID BADEA | 184<br>100<br>FS / DD<br>96<br>100<br>29<br>80.5<br>67.5                         | 15.00 million USD 15.00 million USD 15.00 million USD 18.00 million USD 18.00 million USD 6.50 million USD 6.50 million USD 10.00 million EURO 10.00 million USD 10.000 million USD 10.000 USD 10.000 USD 13.000 USD  | Completed  Completed  Completed  Completed  Completed  Completed  Completed  On-going (Terminated and restarted with new contractor)  Completed  On-going  On-going                        |
| Gore - Gambella  Azezo - Gint - Metema  Assosa - Kurmuk  Road Sector Development Support Program  Phase II-Project Nekempte - Bedele  Wukro - Zalambessa Dejen - Lumame Gedo - Menebegna  Dessie - Kutaber Arbereketi - Gelemso (Contract 1)  Arbereketi - Gelemso (Contract 2)                                      | OPEC Fund BADEA OPID SAUDI Fund BADEA SAUDI Fund NDF Kuwait Fund BADEA OPID Kuwait Fund Japan Saudi Abu Dhabi BADEA Kuwait Fund Saudi Abu Dhabi BADEA OPID BADEA OPID  | 184<br>100<br>FS / DD<br>96<br>100<br>29<br>80.5<br>67.5<br>57.5<br>45.9         | 15.00 million USD 15.00 million USD 15.00 million USD 15.00 million USD 6.50 million USD 6.50 million USD 6.50 million USD 0.00 million EURO 00 million EURO 00 million EURO 00 million USD 00 million USD 01.00 million USD 01.00 million USD 01.00 million USD 00 million USD 00 million USD 00 million USD 10.00 Million USD 10.000,000 USD  | Completed  Completed  Completed  Completed  Completed  Completed  On-going (Terminated and restarted with new contractor)  Completed  On-going   |
| Gore - Gambella Azezo - Gint - Metema  Assosa - Kurmuk Road Sector Development Support Program Phase II-Project Nekempte - Bedele  Wukro - Zalambessa Dejen - Lumame Gedo - Menebegna  Dessie - Kutaber Arbereketi - Gelemso (Contract 1)  Arbereketi - Gelemso (Contract 2)   | OPEC Fund BADEA OFID SAUDI Fund BADEA SAUDI Fund BADEA SAUDI Fund NDF Kuwait Fund BADEA OFID BADEA SAUDI SAUDI Fund SAUDI SAUDI Fund SAUDI SAUDI BADEA Kuwait Fund GFID BADEA OFID BADEA OFID BADEA OFID                 | 184<br>100<br>FS / DD<br>96<br>100<br>29<br>80.5<br>67.5<br>57.5<br>45.9         | 15.00 million USD 13.00 million USD 13.00 million USD 18.00 million USD 18.00 million USD 6.50 million USD 6.50 million USD 10.00 million EURO 00 million EURO 00 million Kuwait Dir 10.00 million Kuwait Dir 10.00 million Kuwait Dir 10.00 million USD 00 million Kuwait Dir 15.00 million USD 00 million USD 00 million USD 01.00 million USD 10.00 million USD 10.000 million USD 10.000 USD 11.000,000 USD 13.000,000 USD  | Completed  Completed  Completed  Completed  Completed  On-going (Terminated and restarted with new contractor)  Completed  On-going  On-going  On-going                                    |
| Gore - Gambella  Azezo - Gint - Metema  Assosa - Kurmuk  Road Sector Development Support Program  Phase III-Project Nekempte - Bedele  Wukro - Zalambessa Dejen - Lumame Gedo - Menebegna  Dessie - Kutaber  Arbereketi - Gelemso (Contract 1)  Arbereketi - Gelemso (Contract 2)  Shambu - Bako  Dire Dawa - Dewele | OPEC Fund BADEA OFID SAUDI Fund BADEA SAUDI Fund BADEA SAUDI Fund BADEA OFID Kuwait Fund BADEA OFID Kuwait Fund Japan Saudi BADEA Kuwait Fund Japan Saudi BADEA CHID BADEA OFID BADEA OFID BADEA OFID China              | 184<br>100<br>FS / DD<br>96<br>100<br>29<br>80.5<br>67.5<br>57.5<br>45.9<br>60.2 | 15.00 million USD 15.00 million USD 15.00 million USD 15.00 million USD 16.00 million USD 6.50 million USD 10.00 million USD 10.000,000 USD 10.000,000 USD 13.000,000 USD 13.000,000 USD 13.000,000 USD   | Completed Completed Completed Completed Completed Completed Completed On-going (Terminated and restarted with new contractor) Completed On-going On-going On-going Substantially completed |
| Gore - Gambella Azezo - Gint - Metema  Assosa - Kurmuk Road Sector Development Support Program Phase II-Project Nekempte - Bedele  Wukro - Zalambessa Dejen - Lumame Gedo - Menebegna  Dessie - Kutaber Arbereketi - Gelemso (Contract 1)  Arbereketi - Gelemso (Contract 2)   | OPEC Fund BADEA OFID SAUDI Fund BADEA SAUDI Fund BADEA SAUDI Fund NDF Kuwait Fund BADEA OFID BADEA SAUDI SAUDI Fund SAUDI SAUDI Fund SAUDI SAUDI BADEA Kuwait Fund GFID BADEA OFID BADEA OFID BADEA OFID                 | 184<br>100<br>FS / DD<br>96<br>100<br>29<br>80.5<br>67.5<br>57.5<br>45.9         | 15.00 million USD 13.00 million USD 13.00 million USD 18.00 million USD 18.00 million USD 6.50 million USD 6.50 million USD 10.00 million EURO 00 million EURO 00 million Kuwait Dir 10.00 million Kuwait Dir 10.00 million Kuwait Dir 10.00 million USD 00 million Kuwait Dir 15.00 million USD 00 million USD 00 million USD 01.00 million USD 10.00 million USD 10.000 million USD 10.000 USD 11.000,000 USD 13.000,000 USD  | Completed Completed Completed Completed Completed Completed Completed On-going (Terminated and restarted with new contractor) Completed On-going On-going On-going Substantially completed |

# Appendix IV. Map of the Project Area



#### **BOARD OF DIRECTORS**

#### Resolution N° F/Z1/2020/01

Adopted by the Board of Directors on a lapse-of-time basis, on 13 January 2020

Multinational: Grant to the Federal Democratic Republic of Ethiopia to finance part of the costs of the Feasibility Study for the proposed Standard Gauge Railway (SGR) connecting Ethiopia and Sudan

#### THE BOARD OF DIRECTORS,

**HAVING REGARD** to: (i) Articles 1, 2, 11, 12, 14, 15, 16, 26 and 30 of the Agreement Establishing the African Development Fund (the "Fund" or "ADF"); (ii) the Report on the Fourteenth General Replenishment of the Resources of the Fund ("ADF-14"); (iii) the applicable ADF-14 Country Resource Allocation; (iv) the Guidelines for the Financing of Multinational Operations; (v) the Strategic and Operational Framework for Regional Operations; and (vi) the appraisal report contained in document ADF/BD/WP/2019/219/Approval (the "Appraisal Report");

**NOTING** the availability of sufficient resources to enable the Fund to commit the amount of the Grant;

#### **DECIDES** as follows:

- 1. To award to the Federal Democratic Republic of Ethiopia (the "Recipient"), from the resources of the Fund, a grant of an amount not exceeding the equivalent of Eight Hundred and Sixty-Three Thousand Units of Account (UA 863,000) (the "Grant") to finance part of the costs of the Feasibility Study for the proposed Standard Gauge Railway (SGR) connecting Ethiopia and Sudan;
- 2. To authorize the President to conclude a protocol of agreement between the Fund and the Recipient (the "Protocol of Agreement") on the terms and conditions specified in the General Conditions Applicable to Protocols of Agreement for Grants of the African Development Fund and the Appraisal Report;
- 3. The President may cancel the Grant if the Protocol of Agreement is not signed within ninety (90) days from the date of approval of the Grant by this Board; and
- 4. This Resolution shall become effective on the date above-mentioned.