

Vote:123 Rural Electrification Agency (REA)

VI: Vote Overview

(i) Snapshot of Medium Term Budget Allocations

Table V1.1: Overview of Vote Expenditures

<i>Billion Uganda Shillings</i>	FY2016/17 Outturn	FY2017/18		FY2018/19 Proposed Budget	MTEF Budget Projections			
		Approved Budget	Spent by End Sep		2019/20	2020/21	2021/22	2022/23
Recurrent Wage	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Non Wage	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Devt. GoU	53.419	81.976	10.795	81.976	100.011	120.013	120.013	120.013
Ext. Fin.	99.026	367.645	0.781	452.706	558.471	250.644	48.644	0.000
GoU Total	53.419	81.976	10.795	81.976	100.011	120.013	120.013	120.013
Total GoU+Ext Fin (MTEF)	152.445	449.621	11.576	534.682	658.482	370.657	168.657	120.013
<i>A.I.A Total</i>	32.621	42.840	6.604	46.625	49.275	51.003	53.499	55.291
Grand Total	185.067	492.461	18.181	581.307	707.757	421.660	222.157	175.304

(ii) Vote Strategic Objective

To achieve an accelerated pace of Electricity access and service penetration to meet national development goals during the planning period and beyond.

V2: Past Vote Performance and Medium Term Plans

Vote:123 Rural Electrification Agency (REA)

Performance for Previous Year FY 2016/17

During the FY2016/17, REA continued to implement several projects that were planned. The overall progress for most of the ongoing projects was at 100% completion and others were under the Defects Liability period. 935 KMs of medium voltage lines and 895KMs of low voltage lines were constructed by the end of the Financial year. The Physical performance for the different projects was follows;

GoU 10 Lots.

Lot1:Wakiso Butambala

Lot2:Masaka/Sembabule- Under DLP

Lot3:Nkakasongola/Luwero-80% Completion

Lot4:Kayunga/Mukono-75% Completion

Lot5:Manafwa/Mbale-80% Completion

Lot6:Serere/Soroti-100% Completio

Lot7:Mbarara/Sheema-80% Completion

Lot8:Ntungamo/Rukungiri-Commissioned

Lot9:Bundibugyo/Kasese-100% completion

Lot10:Gulu/Kitgum-Under DLP

GOU2 Lots: Networks in Eastern and Western Uganda projects were completed and closed

GOU 7 Lots were all under the defects Liability period

Supplementary works for Jica phase III Projects of Mayuge/Namayingo, Lumino/Namayingo, Namayingo/Bumeru, Lutolo/Lufudu were all under DLP.

BADEA/SFD Funded projects

The overall project progress for the 8 lots was at 95% with stringing on-going in all schemes.

OPEC Funded projects: Pole erection and conductor stringing was on-going.

Lot1: Central ST (Mukono/Buikwe)- 55% project completion

Lot2:Central North & NNW Service Territory(Apac/Lira/Dokolo)-55% project completion.

French Development Agency Funded projects: contract signature and contractors mobilizing on site for grid extensions in North West, Rwenzori, Mid Western, South and South Western Service Territories.

ERTIII Projects

4 Fast Track projects

Kiganda Mile 16 with tee off Katabalanga & Kibyamirizi: Design Review report submitted; Ruhumba/Kashwa with tee-off Rwebishuri-Engineering Design review ongoing; West Nile, Wand/Yumbe/Moyo- Contract Signature review sent to the Bank for No-Objection.

Other Line(17 Lots): Evaluation for prequalified consultants sent to the bank for No- Objection

IDB Funded Projects

IDB I & IDB II: Consultants were on board and bid evaluation was ongoing for selecting Contractors for the different grid extensions in North Eastern Uganda for lot 3: Nakapiripit/Moroto and Northern Uganda for Lot 4 Moroto /Kotido Spur Abim , Koputh/ Kaabong Under IDBI & RE projects in Mirama/ Kabale and Teso /Karamoja Sub Region under IDB II.

IDBIII Projects: Bid evaluation was on-going for selecting contractors for RE projects in Northern, Central, Eastern and Western Uganda.

ABUDHABI Projects: Evaluation of bids was on going

AfDB Projects: Evaluation report for consultant was submitted to the funder for No-Objection and No-Objection for SBD was received.

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Performance as of BFP FY 2017/18 (Performance as of BFP)

The different Rural Electrification projects packaged for implementation in the Financial Year 2017/18 progressed as follows;
GOU Projects (10 Lots): under Defects Liability Period

GOU Projects(7 Lots): Under Defects Liability period

BADEA/SFD Projects(8 Lots): Under Defects Liability Period.

Supplementary Works for JICA PHASE III: Under Defects Liability period.

OPEC projects: 100% Completion of construction works and the projects were under the Defects Liability Period.

French Development Agency Project: Construction works were ongoing with pole erection, pole dressing and conductor stringing.

ERT III Projects:

4 Fast Track Projects: A consultant was on board with a design review report approved by IDA

Other Lines(17 Lots): short listing of Expressions of interest (EOIs) carried out for consultants

IDB I : Projects: Contract Signature and Commencement of surveying works

IDBII: Best Evaluated Bidder displayed and contracts sent to Solicitor General.

IDB III: Contract for consultants was sent to Solicitor General for clearance and contract preparation for works ongoing.

ABUDHABI Projects; Contract sent to Solicitor General For Clearance

AfDB Projects: No-Objection to the Bid document was obtained from the Bank

BADEA/OPEC Projects: Pole erection was ongoing at 30% progress

FY 2018/19 Planned Outputs

REA has planned several projects for the FY 2018/19 and the planned outputs are as follows:

GOU Projects(10 Lots): Project Closure for Lot 5 & 8

GOU Community Cost sharing schemes: Project Closure

BADEA/OFID RE Project in Kayunga & Kamuli:

Lot 1: Commissioning

Lot 2,3 & 4: Defects Liability Period Monitoring

AFD Project of extension and Rehabilitation of RE Project in the Mid-Western and South-Western Service Territories:

Lots 1,2,3,5: Project closure and preparation of project closure report

IDBI RE Projects Package 1: Construction of distribution and low voltage networks in Karamoja Region under the Opuyo/Moroto 132 kV Electricity Transmission line

Lot 4: Commissioning of schemes, Defects Liability period monitoring

Lot 3: Commissioning of schemes

Contract supervision

IDBII Projects: 132kV Mirama/Kabale Electricity Transmission line and distribution project

100% Project completion and Commissioning

Construction supervision and participation in commissioning

IDBIII Projects: Grid Rural Electrification Project

Lot 2, 3: Commence commissioning

Lots 1, 4, 5, 6: 100% Project completion

AfDB Projects: Uganda Rural Electrification Access Project

Delivery of connection materials, ready boards and prepaid meters to UMEME Stores

Grid extension and last mile connections,

70% project completion

Consultancy services for project supervision and management

Abudhabi Fund for International Development (ADFD) Projects: Kalungu Rural Electrification Project

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100% Project completion
Commence commissioning

Kuwait Fund for Arab Economic Development (KFAED) Projects: Implementation of various RE schemes in Uganda

60% Project completion
Construction supervision

ERT Project Phase III Projects:

70% Fast Track: Project completion

On-grid Energy Access; works plus last mile connections:

West Nile projects

5Packages (17 lines):

Receive no-objection to bid document
Advertise for works
Approval of RAP report and Grid Intensification

Exim Bank China Projects for Sub county Electrification

40% Project completion
Construction supervision

KfW Projects: Power Evacuation and Grid Intensification for GET FIT projects in Uganda

Nyamisanga 1&2 in Kasese, Sindila and Ndugutu in Bundibugyo:

Defects Liability Period
Preparation of bidding documents
Construction supervision

GOU Non GET FIT Projects: (Mahoma Nkusi and Lubilia

Power evacuation lines Mahoma: Defects Liability Period
Nkusi (Longterm): 50% Project completion

GOU Projects in Kayebwa 1 & 2 - 20km Evacuation Line

50% Project completion

GOU Project in Sironko Hydro - 40k Evacuation Line

30% Project completion

Muzizi B Substation

Land acquisition, civil works, installation
20% project completion

Bukinda-Muzizi B - 30km and Nkusi/Muzizi B S/S - 30km Power Evacuation line

30% Project completion

Achwa 3 - 28km Evacuation line

30% project completion

Electrification of Nangoma Village and Environs under Uganda-Tanzania Cross Border Electrification project:

Construction will be under Defects Liability period

RAPS for Kabeywa 1 & 2 - 20km Evacuation Lines; Sironko Hydro - 40km Evacuation line; Muzizi B Substation; Bukinda/Muzizi B - 30km & Nkusi/Muzizi B Substation - 30km; Achwa 3 - 28km Evacuation line:

Complete RAPs and land acquisition

Kyaterekera Switching Station - 4 Bays

Land acquisition, civil works, installation:
50% project completion

GOU - Engineering Software & Hardware

Procurement of AUTOCAD, PLS CAD and Web-based GIS
Supply and delivery

GOU - Procurement of contractor for construction of Kanyantorogo Switching Station in Kanungu district

100% Construction works

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Commissioning

GOU - Power quality and Reliability Enhancement projects for RE Power lines in 13 Service Territories (SWST, NWST, SST, MWST, CNST, NNWST, NEST, EST, CST, WST, NST, RST, West Nile

Prequalification of suppliers for supply and replacement of poles -100% project completion

Prequalification of suppliers for Supply and Repair of Transformers - 100% project completion

Prequalification of Regional based Installation and maintenance Contractors: Complete maintenance works

Financing O&M Costs for UEDCL's operations in Service Territories: Disbursement

Financing PACMECS operations in Northern Service Territories: O&M Disbursement

25 GIZ-EU Mini-Grids in Northern Uganda - Lamwo; 15 GIZ Mini-Grids in Southern ST - Isingiro & Rakai; 6 WWF-EU: Mini-Grids in Western Uganda -Kasese (GOU)

Mini-grid construction & connections

Northern mini-grids:

Complete construction works

Commission and Commence operation by January 2019

Southern Mini-grids:

Complete construction works

Commission and commence operation by March 2019

GOU Support to Private Sector Investment in Mini-Grid

Subsidy on Mini-grid construction and connections

Complete construction of sites under Nexus Green and Bukulu Energy Ltd.

Wayleaves Compensation Pay-Outs

Focus on ERT III 2 Lines: Compensation and Wayleaves acquisition

ERTII Roll-out of Connection materials

5% Roll-out - Connection acceleration

Publicity and Community Mobilization

Community mobilisation

Roll-out

Medium Term Plans

During the medium term, focus will be on the following;

- Intensification of consumer connections to the national grid.
- construction of power evacuation lines for mini-grids.
- contract signature for projects under procurement.
- Packaging projects for funding from different development partners.

Efficiency of Vote Budget Allocations

The resources allocated to the vote for the financial year will be used to ensure increased access to electricity through increased consumer connections, completion of already ongoing projects and kick starting the new ones.

Vote Investment Plans

The major capital purchases for the FY2018/19 will comprise of;

- Distribution of Transformers
- Connection materials ie cables and accessories
- Field vehicles

Major Expenditure Allocations in the Vote for FY 2018/19

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- Construction of powerlines through the rural electrification project
- Construction of power evacuation lines for mini-grids
- Increased consumer connections
- Construction of mini-grids/ off-grid systems

V3: PROGRAMME OUTCOMES, OUTCOME INDICATORS AND PROPOSED BUDGET ALLOCATION

Table V3.1: Programme Outcome and Outcome Indicators

Vote Controller :							
Programme :	51 Rural Electrification						
Programme Objective :	To achieve universal access to electricity by 2040						
Responsible Officer:	Godfrey R. Turyahikayo						
Programme Outcome:	Increased access to rural electrification						
<i>Sector Outcomes contributed to by the Programme Outcome</i>							
1. Increased energy generation for economic development							
Programme Performance Indicators (Output)	Performance Targets						
	2016/17 Actual	2017/18 Target	Base year	Baseline	2018/19 Target	2019/20 Target	2020/21 Target
• Number of consumers accessing electricity	0				120,457	150,000	180,000

Table V3.2: Past Expenditure Outturns and Medium Term Projections by Programme

<i>Billion Uganda shillings</i>	2016/17	2017/18		2018-19	MTEF Budget Projections			
	Outturn	Approved Budget	Spent By End Q1	Proposed Budget	2019-20	2020-21	2021-22	2022-23
Vote :123 Rural Electrification Agency (REA)								
51 Rural Electrification	152.445	449.621	11.576	534.682	658.482	370.657	168.657	120.013
Total for the Vote	152.445	449.621	11.576	534.682	658.482	370.657	168.657	120.013

V4: SUBPROGRAMME PAST EXPENDITURE OUTTURNS AND PROPOSED BUDGET ALLOCATIONS

Table V4.1: Past Expenditure Outturns and Medium Term Projections by SubProgramme

<i>Billion Uganda shillings</i>	2016/17	FY 2017/18		2018-19	Medium Term Projections			
	Outturn	Approved Budget	Spent By End Sep	Proposed Budget	2019-20	2020-21	2021-22	2022-23
<i>Programme: 51 Rural Electrification</i>								
Total For the Programme : 51	152.445	449.621	11.576	534.682	658.482	370.657	168.657	120.013
Total for the Vote :123	152.445	449.621	11.576	534.682	658.482	370.657	168.657	120.013

N / A

Table V4.3: Major Capital Investment (Capital Purchases outputs over 0.5Billion)

FY 2017/18	FY 2018/19
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Vote:123 Rural Electrification Agency (REA)

Appr. Budget and Planned Outputs	Expenditures and Achievements by end Sep	Proposed Budget and Planned Outputs
Vote 123 Rural Electrification Agency (REA)		
Programme : 51 Rural Electrification		
Project : 1262 Rural Electrification Project		
Output: 80 Construction of Rural Electrification Schemes (On-grid)		
Germany (kfW)- 50% BADEA-100% BADEA/SFD- closed Abudhabi-50% OFID-closed IDBII RE-50% IDB III RE-50% AfDB -50% French projects -DLP ERT II -End DLP GOU Schemes-close	GOU 10 LOTS: Lots1-4,6-9 under DLP Monitoring, Lot 5: Commissioning on-going, Lot 10:Closed. GOU 7 LOTS: Lots 1,2,6:Closed, Lots 3-5,7 under DLP Monitoring BADEA/SFD Projects: Lots 4,5 Closed & Lots 1-3, 6-8 under DLP Monitoring JICA phase III-DLP Monitoring and Contractor to correct snags in order to catalyse project closure. WORLD BANK ERT II(additional funding) –under DLP Monitoring OPEC PROJECTS: Lot 1& Lot 2 DLP Monitoring BADEA/ OPEC Funded Project: Lot 1: Engineering Design Review on-going, Lot 2:MV and LV pole erection on-going at 70%, Lot 3:MV and LV pole erection on-going at 50%, Lot 4:Pole erection on-going at 60% FRENCH DEVELOPMENT AGENCY PROJECTS (AFD) Consultancy:Consultant undertaking construction supervision Works: Lot 1: MV&LV pole erection at 70%, MV stringing at 70%, LV stringing at 60% and Installation of transformers on-going, Lot 2: Material supply on-going at 80%, MV pole erection at 60%,LV pole erection at 70% and MV and LV conductor stringing at 40%, Lot 3: MV pole erection at 50%, LV pole erection at 70%, MV conductor stringing at 30% and LV conductor stringing at 40%,Lot 4: MV pole erection at 90%,Lot 5: MV pole erection at 64%, LV pole erection at 51%, MV pole dressing	-Construction supervision - Monitoring for projects under the Defects Liability Period -Intensification of consumer connections -Disbursement of connection materials to the different service providers -Commissioning and hand over of completed projects.

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	at 75%, LV pole dressing at 45%, MV conductor stringing at 94%, MV conductor stringing at 53% and Transformer installation on-going.		
	IDBII: Projects in mirama-Kabale & Teso-Karamoja sub-region. Consultancy: Consultant is on-board offering procurement support. Works: Lot 1: Contact signed on 27-09-17 & Lot 2: BEB displayed. Contract sent to SG for clearance.		
	IDB III RE Projects in Northern, Central, Eastern, Western. Consultancy:Contract sent to SG for clearance Works:Lots1-6: Contract signature was on-going.		
	ABUDHABI projects: Contracts sent to SGfor clearance.		
	AfDB RE schemes: Consultant On-Board, offering procurement support and for Works No-objection to the bid document obtained from the bank.		
	GOU schemes- DLP Monitoring for all schemes		
Total Output Cost(Ushs Thousand):	310.065	13.533	454.215
Gou Dev't:	72.999	10.795	80.326
Ext Fin:	225.045	0.137	372.363
A.I.A:	12.022	2.601	1.526
Project : 1354 Grid Rural Electrification Project IDB I - Rural Electrification			
Output: 80 Construction of Rural Electrification Schemes (On-grid)			
Rural Electrification Projects in Karamoja region. Nakapiripiriti-Moroto-Moroto Cement Factory-Moroto-Kotido Spur Abim, Koputh-Kaabong-Kidepo National Park with tee-off Karenga-Naam Okora Progress: 50% Completion of works.	Grid extensions in Northern and North Eastern Uganda. projects under the IDB I Rural Electrification Project Consultancy: Consultant is on board undertaking Construction Supervision. Works: Lot 3 and 4: Surveying is on-going at 70%		-Construction supervision -Commissioning and hand over of completed projects.

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Total Output Cost(Ushs Thousand):	100.877	0.000	24.412
Gou Dev't:	8.977	0.000	0.000
Ext Fin:	91.900	0.000	24.412
A.I.A:	0.000	0.000	0.000
Project : 1428 Energy for Rural Transformation (ERT) Phase III			
Output: 80 Construction of Rural Electrification Schemes (On-grid)			
WORLD BANK ERT III (first four track lines)- Commencement of works	4 Fast track Projects -Consultant for Design review and procurement support on-board. -Design review report approved by IDA.	- Construction supervision - Consumer Mobilisation - Grid intensfication	
WORLD BANK ERT III (17 lines)-Approval of Resettlement Action Plan(RAP) study reports	-Kiganda-Mile 16 with tee-off Katabalanga & Kibyimirizi -Ruhumba-Kashwa with tee-off Rwebishuri -West Nile; Wandu-Yumbe-Moyo -Onduparika-Odramachaku-Abiria Other 17 lines(13 Lots) -EOI issued and submissions received -Shortlisting of EOIs carried out Lot 1: Kibaale - Kikalu Lot 2: Kabowa - Lumuli Lot 3: Bubiita - Bukalasi Lot 4: Kyabadaza - Masankwa Lot 5: Nakifuma - Nagojje Lot 6: Mitemula - Nakiyaga Lot 7: Mubende - Kyabayanga - Lot 8: Kiyagara – Bwizi, Biguri Lot 9: Rukoni (Mile 36) - Rwoho Lot 10: Karugutu - Ntoroko Lot 11: Kagongo - Rwengiri with tee-off Kigalama Lot 12: Ngeta - Ayala - Alito Lot 13: Dokolo -Aceng - Atur)		
Total Output Cost(Ushs Thousand):	50.700	0.645	57.581
Gou Dev't:	0.000	0.000	1.650
Ext Fin:	50.700	0.645	55.931
A.I.A:	0.000	0.000	0.000

V5: VOTE CHALLENGES FOR 2018/19 AND ADDITIONAL FUNDING REQUESTS

Vote Challenges for FY 2018/19

Vote:123 Rural Electrification Agency (REA)

The vote challenges include;

- Lack of funds to carry out compensations for old projects
- poor quality poles rotting within a short period of time
- Untimely remittance of Non Tax Revenue by UETCL to REA

Table V5.1: Additional Funding Requests

Additional requirements for funding and outputs in 2018/19	Justification of requirement for additional outputs and funding
Vote : 123 Rural Electrification Agency (REA)	
Programme : 51 Rural Electrification	
OutPut : 80 Construction of Rural Electrification Schemes (On-grid)	
Funding requirement UShs Bn : 615.198	The unfunded priorities amounting to UGX. 615,197,790,000 are Rural Electrification projects and payment arrears which will increase electricity access by extending the national grid to the rural population all over the country. The Budget for future projects amounts to UGX 598, 461,950,000 and wayleaves compensations amounting to UGX 16,735,840,000 respectively.