

A: POWER GENERATION PROJECTS

1. 358MW RUHUDJI HYDROPOWER PLANT

S/No	SUBJECT	DETAILS
1.	Project Name	358MW Ruhudji Hydropower Plant
2.	Implementation Authority	TANESCO under the Ministry of Energy
3.	Location	Ruhudji river in Njombe region
4.	Background	TANESCO planned to have a 40/60 renewable/conventional power generation mix by 2025. Eventually the Government desires to have cost effective generation mix portfolio by taking advantage of opportunities of available energy sources. The construction of hydro power plant will substantially enhance TANESCO's power generation and supply capabilities in the region, which is key to the development of the Tanzanian economy.
5.	Project Description	The project involves construction of 358MW Ruhudji hydropower plant, which shall be implemented at the Ruhudji river. The project will also involve the construction of 170km of 400kV transmission line from Ruhudji HPP to Kisada substation for interconnection to the National Grid System
6.	Project Components	Power plant and 400kV transmission line for power evacuation
7.	Project Economic Viability	<ul style="list-style-type: none">• Increase generation capacity;• Improving reliability of power supply in the southern highland regions of Tanzania;• Raise utilization of the available potentials as one of the power generations resources;• It will help TANESCO to meet its expected power demand and planned generation capacity by 2025.

8.	Project Status and Readiness of Implementation	The project is under feasibility study stage
9.	Implementation Schedule	To be determined after completion of the feasibility study
10.	Project Cost	The estimated project cost is USD 407.4 Million for power plant and USD 53.2 Million for transmission line
11.	Financing Structure/Modality	Engineering, Procurement, Constructing and Financing (EPC+F)
12.	Government Responsibility	The role of the Government is to create awareness to the stakeholders of the project and make compensation to the community to be displaced by the project. The basis for compensation will depend on the Resettlement Action Plan (RAP) prepared during Environmental and Social Impact Assessment (ESIA) of the project.
13.	Contacts	Managing Director, TANESCO, P. O. Box 453, DODOMA. info@tanESCO.co.tz/md@tanESCO.co.tz +255 22 245 1159

2. 222MW RUMAKALI HYDROPOWER PLANT

S/No	SUBJECT	DETAILS
1.	Project Name	222MW Rumakali Hydropower Plant
2.	Implementation Authority	TANESCO under the Ministry of Energy
3.	Location	Rumakali river in Njombe region (Makete District)

4.	Background	TANESCO planned to have a 40/60 renewable/conventional power generation mix by 2025. Eventually the Government desires to have cost effective generation mix portfolio by taking advantage of opportunities of available energy sources. The construction of hydro power plant will substantially enhance TANESCO's power generation and supply capabilities in the region, which is key to the development of the Tanzanian economy.
5.	Project Description	The project involves construction of 222MW hydropower plant, which shall be implemented at the Rumakali river. The project will also involve the construction of 150km of 220kV transmission line from Rumakali power plant to Iganjo substation in Mbeya for interconnection to the National Grid System.
6.	Project Components	Power plant and 220kV transmission line for power evacuation
7.	Project Economic Viability	<ul style="list-style-type: none"> • Increase generation capacity; • Improving reliability of power supply in the southern highland regions of Tanzania; • Raise utilization of the available potentials as one of the power generations resources; • It will help TANESCO to meet its expected power demand and planned generation capacity by 2025.
8.	Project Status and Readiness of Implementation	The project is under feasibility study stage
9.	Implementation Schedule	To be determined after completion of the feasibility study
10.	Project Cost	The estimated project cost is USD 344 Million for power plant and USD 44.22 Million for Transmission line
11.	Financing Structure/Modality	Engineering, Procurement, Constructing and Financing (EPC+F)
12.	Government Responsibility	The role of the Government is to create awareness to the stakeholders of the project and make compensation to the community to be displaced by the project. The basis for compensation will depend on the Resettlement Action Plan (RAP)

		prepared during Environmental and Social Impact Assessment (ESIA) of the project.
13.	Contacts	Managing Director, TANESCO, P. O. Box 453, DODOMA. info@tanesco.co.tz / md@tanesco.co.tz +255 22 245 1159

3. 300MW KIKONGE MULTIPURPOSE DAM

S/No	SUBJECT	DETAILS
1.	Project Name	300MW Kikonge Multipurpose Dam, Hydropower and Irrigation Project.
2.	Implementation Authority	TANESCO under the Ministry of Energy
3.	Location	Ruhuhu River in Ruvuma region
4.	Background	TANESCO planned to have a 40/60 renewable/conventional power generation mix by 2025. Eventually the Government desires to have cost effective generation mix portfolio by taking advantage of opportunities of available energy sources. The construction of hydro power plant will substantially enhance TANESCO's power generation and supply capabilities in the region, which is key to the development of the Tanzanian economy.
5.	Project Description	The project involves construction of power plant and 220kV transmission line
6.	Project Components	Power plant and 220kV transmission line for power evacuation
7.	Project Economic Viability	<ul style="list-style-type: none"> • Increase generation capacity; • Improving reliability of power supply in the southern highland regions of Tanzania;

		<ul style="list-style-type: none"> • Raise utilization of the available potentials as one of the power generations resources; • It will help TANESCO to meet its expected power demand and planned generation capacity by 2025.
8.	Project Status and Readiness of Implementation	The project is feasibility study is completed and ESIA study is required
9.	Implementation Schedule	36 months
10.	Project Cost	Not yet firmed, awaits for completion of ESIA study
11.	Financing Structure/Modality	Engineering, Procurement, Constructing and Financing (EPC+F)
12.	Government Responsibility	The role of the Government is to create awareness to the stakeholders of the project and make compensation to the community to be displaced by the project. The basis for compensation will depend on the Resettlement Action Plan (RAP) prepared during Environmental and Social Impact Assessment (ESIA) of the project.
13.	Contacts	Managing Director, TANESCO, P. O. Box 453, DODOMA. info@tanESCO.co.tz / md@tanESCO.co.tz +255 22 245 1159

4. 300MW COMBINED CYCLE GAS POWER PROJECT

S/No	SUBJECT	DETAILS
1.	Project Name	300MW Combined Cycle Gas Power Project

2.	Implementation Authority	TANESCO under the Ministry of Energy
3.	Location	Kisiwa area in Mtwara region
4.	Background	TANESCO planned to have a 40/60 renewable/conventional power generation mix by 2025. Eventually the Government desires to have cost effective generation mix portfolio by taking advantage of opportunities of available energy sources. The construction of hydro power plant will substantially enhance TANESCO's power generation and supply capabilities in the region, which is key to the development of the Tanzanian economy.
5.	Project Description	The project involves construction of 300MW power plant, 400kV transmission line and supporting infrastructure including access road, gas pipeline and water pipeline
6.	Project Components	<ul style="list-style-type: none"> • 300MW Power plant • 400kV transmission line from Mtwara to Somanga Fungu • Supporting infrastructure
7.	Project Economic Viability	<ul style="list-style-type: none"> • Increase generation capacity; • Improving reliability of power supply in the southern highland regions of Tanzania; • Raise utilization of the available potentials as one of the power generations resources; • It will help TANESCO to meet its expected power demand and planned generation capacity by 2025.
8.	Project Status and Readiness of Implementation	Feasibility study is completed and the project requires funds for implementation
9.	Implementation Schedule	36 months
10.	Project Cost	The estimated project cost is USD 1,132 million.
11.	Financing Structure/Modality	Engineering, Procurement, Constructing and Financing (EPC+F)

12.	Government Responsibility	The role of the Government is to create awareness to the stakeholders of the project and make compensation to the community to be displaced by the project. The basis for compensation will depend on the Resettlement Action Plan (RAP) prepared during Environmental and Social Impact Assessment (ESIA) of the project.
13.	Contacts	Managing Director, TANESCO, P. O. Box 453, DODOMA. info@tanesco.co.tz / md@tanesco.co.tz +255 22 245 1159

5. KINYEREZI III 600MW GAS FIRED POWER PLANT

S/No	SUBJECT	DETAILS
1.	Project Name	Kinyerezi III 600MW – Phase I 300MW Gas Fired Power Plant
2.	Implementation Authority	TANESCO under the Ministry of Energy
3.	Location	Kinyerezi in Dar es Salaam region
4.	Background	TANESCO planned to have a 40/60 renewable/conventional power generation mix by 2025. Eventually the Government desires to have cost effective generation mix portfolio by taking advantage of opportunities of available energy sources. The construction of gas fired power plant will substantially enhance TANESCO's power generation and supply capabilities in the region, which is key to the development of the Tanzanian economy.
5.	Project Description	The project involves construction of 300MW power plant at Kinyerezi
6.	Project Components	300MW Power plant

7.	Project Economic Viability	<ul style="list-style-type: none"> • Increase generation capacity; • Improving reliability of power supply in the southern highland regions of Tanzania; • Raise utilization of the available potentials as one of the power generations resources; • It will help TANESCO to meet its expected power demand and planned generation capacity by 2025.
8.	Project Status and Readiness of Implementation	Feasibility study is completed since 2015 and the project requires funds for implementation
9.	Implementation Schedule	36 months
10.	Project Cost	The estimated project cost is USD 342million.
11.	Financing Structure/Modality	Engineering, Procurement, Constructing and Financing (EPC+F)
12.	Government Responsibility	The role of the Government is to create awareness to the stakeholders of the project and make compensation to the community to be displaced by the project. The basis for compensation will depend on the Resettlement Action Plan (RAP) prepared during Environmental and Social Impact Assessment (ESIA) of the project.
13.	Contacts	Managing Director, TANESCO, P. O. Box 453, DODOMA. info@tanESCO.co.tz / md@tanESCO.co.tz +255 22 245 1159

6. 330MW KINYEREZI IV COMBINED CYCLE GAS FIRED POWER PROJECT

S/No	SUBJECT	DETAILS
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1.	Project Name	Kinyerezi IV 330MW Combined Cycle Gas Fired Power Plant
2.	Implementation Authority	TANESCO under the Ministry of Energy
3.	Location	Kinyerezi in Dar es Salaam region
4.	Background	TANESCO planned to have a 40/60 renewable/conventional power generation mix by 2025. Eventually the Government desires to have cost effective generation mix portfolio by taking advantage of opportunities of available energy sources. The construction of combined cycle gas fired power plant will substantially enhance TANESCO's power generation and supply capabilities in the region, which is key to the development of the Tanzanian economy.
5.	Project Description	The project involves construction of 330MW power plant at Kinyerezi
6.	Project Components	330MW Power plant
7.	Project Economic Viability	<ul style="list-style-type: none"> • Increase generation capacity; • Improving reliability of power supply in the southern highland regions of Tanzania; • Raise utilization of the available potentials as one of the power generations resources; • It will help TANESCO to meet its expected power demand and planned generation capacity by 2025.
8.	Project Status and Readiness of Implementation	The project requires feasibility study for project viability and bankability
9.	Implementation Schedule	36 months
10.	Project Cost	Not yet firmed, awaits for feasibility study
11.	Financing Structure/Modality	Engineering, Procurement, Constructing and Financing (EPC+F)

12.	Government Responsibility	The role of the Government is to create awareness to the stakeholders of the project and make compensation to the community to be displaced by the project. The basis for compensation will depend on the Resettlement Action Plan (RAP) prepared during Environmental and Social Impact Assessment (ESIA) of the project.
13.	Contacts	Managing Director, TANESCO, P. O. Box 453, DODOMA. info@tanesco.co.tz / md@tanesco.co.tz +255 22 245 1159

7. 210 - 320MW KILWA ENERGY GAS FIRED POWER PROJECT

S/No	SUBJECT	DETAILS
1.	Project Name	210-320MW Kilwa Energy Gas Fired Power Project
2.	Implementation Authority	TANESCO under the Ministry of Energy
3.	Location	Somanga in Kilwa district
4.	Background	TANESCO planned to have a 40/60 renewable/conventional power generation mix by 2025. Eventually the Government desires to have cost effective generation mix portfolio by taking advantage of opportunities of available energy sources. The construction of combined cycle gas fired power plant will substantially enhance TANESCO's power generation and supply capabilities in the region, which is key to the development of the Tanzanian economy.
5.	Project Description	The project involves construction of 210 - 320MW gas fired power plant at Kilwa in Lindi region. The Project is to be implemented in two Phases; phase I simple cycle 210MW and phase II Combined cycle 110MW

6.	Project Components	210-320MW gas fired Power plant
7.	Project Economic Viability	<ul style="list-style-type: none"> • Increase generation capacity; • Improving reliability of power supply in the southern highland regions of Tanzania; • Raise utilization of the available potentials as one of the power generations resources; • It will help TANESCO to meet its expected power demand and planned generation capacity by 2025. • Extend the national grid to the isolated regions • Facilitate regional power trade with neighboring Countries
8.	Project Status and Readiness of Implementation	Updating of the project feasibility study is required before submission to Government for approvals.
9.	Implementation Schedule	36 months
10.	Project Cost	The estimated project cost is USD 468.34million.
11.	Financing Structure/Modality	Engineering, Procurement, Constructing and Financing (EPC+F)
12.	Government Responsibility	The role of the Government is to create awareness to the stakeholders of the project and make compensation to the community to be displaced by the project. The basis for compensation will depend on the Resettlement Action Plan (RAP) prepared during Environmental and Social Impact Assessment (ESIA) of the project.
13.	Contacts	Managing Director, TANESCO, P. O. Box 453, DODOMA. info@tanESCO.co.tz / md@tanESCO.co.tz +255 22 245 1159

8. 300-600MW SOMANGA FUNGU GAS FIRED POWER PROJECT

S/No	SUBJECT	DETAILS
1.	Project Name	300 - 600MW Somanga Fungu combined cycle gas fired power project
2.	Implementation Authority	TANESCO under the Ministry of Energy
3.	Location	Somangafungu in Kilwa district
4.	Background	TANESCO planned to have a 40/60 renewable/conventional power generation mix by 2025. Eventually the Government desires to have cost effective generation mix portfolio by taking advantage of opportunities of available energy sources. The construction of combined cycle gas fired power plant will substantially enhance TANESCO's power generation and supply capabilities in the region, which is key to the development of the Tanzanian economy.
5.	Project Description	The project involves construction of 300- 600MW combined cycle gas fired power plant at Somanga in Lindi region.
6.	Project Components	300- 600MW gas fired Power plant
7.	Project Economic Viability	<ul style="list-style-type: none"> • Increase generation capacity; • Improving reliability of power supply in the southern highland regions of Tanzania; • Raise utilization of the available potentials as one of the power generations resources; • It will help TANESCO to meet its expected power demand and planned generation capacity by 2025. • Extend the national grid to the isolated regions • Facilitate regional power trade with neighboring Countries
8.	Project Status and Readiness of Implementation	Updating of the project feasibility study is required before submission to Government for approvals.
9.	Implementation Schedule	36 months
10.	Project Cost	Estimated project cost is USD 447.9million for 300MW

11.	Financing Structure/Modality	Engineering, Procurement, Constructing and Financing (EPC+F)
12.	Government Responsibility	The role of the Government is to create awareness to the stakeholders of the project and make compensation to the community to be displaced by the project. The basis for compensation will depend on the Resettlement Action Plan (RAP) prepared during Environmental and Social Impact Assessment (ESIA) of the project.
13.	Contacts	Managing Director, TANESCO, P. O. Box 453, DODOMA. info@tanesco.co.tz / md@tanesco.co.tz +255 22 245 1159

9. 200 - 400MW KIWIRA COAL TO POWER PROJECT

S/No	SUBJECT	DETAILS
1.	Project Name	200 - 400MW Kiwira Coal to Power Project
2.	Implementation Authority	TANESCO under the Ministry of Energy
3.	Location	The project is located in Ileje Songwe Region
4.	Background	TANESCO planned to have a 40/60 renewable/conventional power generation mix by 2025. Eventually the Government desires to have cost effective generation mix portfolio by taking advantage of opportunities of available energy sources. The construction of Coal fired power plant in Songwe region will substantially enhance TANESCO's power generation and supply capabilities in the region, which is key to the development of the Tanzanian economy.

5.	Project Description	The project involves the construction of 200 - 400MW coal fired power plant and associated transmission line from Kiwira to proposed Iganjo substation in Mbeya.
6.	Project Components	Power plant and transmission line for power evacuation
7.	Project Economic Viability	<ul style="list-style-type: none"> • Increase generation capacity; • Improving reliability of power supply in the southern highland regions of Tanzania; • Raise utilization of the available natural resources (Coal) potential as one of the power generations resources; • It will help TANESCO to meet its expected power demand and planned generation capacity by 2025.
8.	Project Status and Readiness of Implementation	The Project require update of feasibility study.
9.	Implementation Schedule	Construction period is 36 months
10.	Project Cost	The estimated project cost is USD 458 Million
11.	Financing Structure/Modality	Engineering, Procurement, Constructing and Financing (EPC+F)
12.	Government Responsibility	The role of the Government is to create awareness to the stakeholders of the project and make compensation to the community to be displaced by the project. The basis for compensation will depend on the Resettlement Action Plan (RAP) prepared during Environmental and Social Impact Assessment (ESIA) of the project.
13.	Contacts	Managing Director, TANESCO, P. O. Box 453, DODOMA. info@tanesco.co.tz / md@tanesco.co.tz +255 22 245 1159

10. 60MW KIEJO - MBAKA GEOTHERMAL PROJECT

S/No	SUBJECT	DETAILS
1.	Project Name	60MW Kiejo - Mbaka Geothermal Project
2.	Implementation Authority	Tanzania Geothermal Development Company LTD (TGDC). A subsidiary company of Tanzania Electric Supply Company Limited (TANESCO) under the Ministry of Energy (MoE)
3.	Location	The project is located at Kiejo Mbaka in Rungwe District, Mbeya Region
4.	Background	TANESCO planned to have a 40/60 renewable/conventional power generation mix by 2025. Eventually the Government desires to have cost effective generation mix portfolio by taking advantage of opportunities of available Renewable energy sources. The construction of Geothermal Power Plant in Rungwe District, Mbeya Region will substantially enhance TANESCO's power generation and supply capabilities in the region, which is key to the development of the Tanzanian economy.
5.	Project Description	The project involves resource confirmation, construction of steam gathering and a 60MW power plant with its related infrastructures. Power evacuation to the national grid will be through the planned 33kV transmission line that will interconnect the power plant and existing Tukuyu substation - Mbeya;
6.	Project Components	Construction of steam gathering and a 60MW power plant with its related infrastructures
7.	Project Economic Viability	<ul style="list-style-type: none"> • Improve generation mix using geothermal energy as one of the alternative sources of power; • Increase generation capacity; • Provide country with low-cost energy; • Improving the reliability of power supply in the southern highlands regions of Tanzania; • Support local economic activities through utilization of thermal energy for direct use applications; • It will help TANESCO to meet its expected power demand and planned generation capacity by 2025.

8.	Project Status and Readiness of Implementation	<ul style="list-style-type: none"> • Detailed surface study for the project is completed. • Resource confirmation programme through exploratory drilling (3 slim and 1 full size wells).
9.	Implementation Schedule	Construction period 36 months and commercial contract may take up to 20 years
10.	Project Cost	The estimated cost is USD 288 Million
11.	Expected Results	<ul style="list-style-type: none"> • The project will reduce pollution and greenhouse gas (GHG) emissions, compared to alternative diesel-fired generation; the same will support government commitments on the COP26 Glasgow, Scotland Agreement. • Will introduce 60MW of geothermal energy in the national energy generation mix as one of the alternative power generation sources; • Lowering generation cost because geothermal generation costs are competitive when compared with expensive liquid fuel; • Accelerate industrialization in the country; • Stimulating social-economic activities in the Southern Highlands Regions;
12.	Financing Structure/Modality	Public-Private Partnership (PPP)
13.	Government Responsibility	The role of the Government is to create awareness to the stakeholders of the project and make compensation to the community to be displaced by the project. The basis for compensation will depend on the Resettlement Action Plan (RAP) prepared during Environmental and Social Impact Assessment (ESIA) of the project.
14.	Contacts	Managing Director, TANESCO, P. O. Box 453, DODOMA. info@tanesco.co.tz / md@tanesco.co.tz +255 22 245 1159

11. 5MW SONGWE GEOTHERMAL PROJECT

S/No	SUBJECT	DETAILS
1.	Project Name	5MW Songwe Geothermal Project
2.	Implementation Authority	Tanzania Geothermal Development Company LTD (TGDC). A subsidiary company of Tanzania Electric Supply Company Limited (TANESCO) under the Ministry of Energy (MoE)
3.	Location	The project is located at Songwe in Mbozi District, Songwe Region, South West of Tanzania in the western rift just north of the southern triple junction of the East Africa Rift system (EARS).
4.	Background	TANESCO planned to have a 40/60 renewable/conventional power generation mix by 2025. Eventually the Government desires to have cost effective generation mix portfolio by taking advantage of opportunities of available Renewable energy sources. The construction of Geothermal Power Plant in Rungwe District, Mbeya Region will substantially enhance TANESCO's power generation and supply capabilities in the region, which is key to the development of the Tanzanian economy.
5.	Project Description	The project involves, resource confirmation, construction of steam gathering system and a 5MW power plant with its related infrastructures. Power evacuation to the national grid will be through the planned 33kV transmission line that will interconnect the power plant and existing Mwakibete Substation- Mbeya
6.	Project Components	Construction of steam gathering and a 5MW power plant with its related infrastructures to interconnect with the existing grid
7.	Project Economic Viability	<ul style="list-style-type: none"> • Improve generation mix using geothermal energy as one of the alternative sources of power; • Increase generation capacity; • Provide country with low-cost energy; • Improving the reliability of power supply in the southern highlands regions of Tanzania; • Support local economic activities through utilization of thermal energy for direct use applications; • It will help TANESCO to meet its expected power demand and planned generation capacity by 2025.

8.	Project Status and Readiness of Implementation	<ul style="list-style-type: none"> • Detailed surface study for the project is completed. • Resource confirmation programme through exploratory drilling (3 slim and 1 full size wells).
9.	Implementation Schedule	Construction period 36 months and commercial contract may take up to 20 years
10.	Project Cost	The estimated project cost is USD 32 Million
11.	Expected Results	<ul style="list-style-type: none"> • The project will reduce pollution and greenhouse gas (GHG) emissions, compared to alternative diesel-fired generation; the same will support government commitments on the COP26 Glasgow, Scotland Agreement. • Will introduce 5MW of geothermal energy in the national energy generation mix as one of the alternative power generation sources; • Lowering generation cost because geothermal generation costs are competitive when compared with expensive liquid fuel; • Accelerate industrialization in the country; • Stimulating social-economic activities in the Southern Highlands Regions;
12.	Financing Structure/Modality	Public-Private Partnership (PPP)
13.	Government Responsibility	The role of the Government is to create awareness to the stakeholders of the project and make compensation to the community to be displaced by the project. The basis for compensation will depend on the Resettlement Action Plan (RAP) prepared during Environmental and Social Impact Assessment (ESIA) of the project.
14.	Contacts	Managing Director, TANESCO, P. O. Box 453, DODOMA. info@tanESCO.co.tz / md@tanESCO.co.tz +255 22 245 1159