A: TRANSIMISSION LINE PROJECTS

1. 400kV SOMANGA FUNGU TO KINYEREZI TRANSMISSION LINE PROJECT

S/No	SUBJECT	DETAILS
1.	**Project Name**	400kV Somanga Fungu to Kinyerezi Transmission Line Project
2.	**Implementation Authority**	TANESCO under the Ministry of Energy
3.	**Location**	Dar es Salaam, Coast and Lindi Regions
4.	**Background**	The project will link the Southern regions (Lindi and Mtwara) to the national Grid system. It will save as power evacuation line for the proposed combined cycle gas fired power generation projects to be developed at Somanga Fungu and Mtwara areas
5.	**Project Description**	The project involves construction of 198km of 400kV double circuit transmission line from Somanga Fungu to Kinyerezi and interconnect to the existing national Grid
6.	**Project Components**	400kV double circuit transmission line and associated line bays at Somanga and Kinyerezi substations
7.	**Project Economic Viability**	• Extend the national grid to the off-grid regions and hence improve power reliability • Increasing power transmission and distribution capacity in the within the regions • Improving system voltage level and provide security of power supply • Facilitate regional power trade with neighbouring Countries and link the proposed Tanzania – Mozambique Power Interconnector Project • Accelerate industrialization in the country. • Accelerate rural electrification in the region.
8.	**Project Status and Readiness of Implementation**	• Feasibility study is completed including Conceptual design and Environmental and Social Impact Assessment (ESIA) study • Payment of Compensation to PAPs for land acquisition has completed over 90%

9.	**Implementation Schedule**	Construction period is 24 months
10.	**Project Cost**	The estimated project cost is USD 100 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 project stakeholders and make compensation to the community to be displaced by the project as a process towards land acquisition. The basis for compensation payment depends on the approved valuation report.
13.	**Contacts**	Managing Director, TANESCO Head Office, P. O. Box 453, Dodoma, **TANZANIA.** Email: info@tanesco.co.tz/md@tanesco.co.tz Tel No: +255 22 245 1159

2. 220kV SHINYANGA - SIMIYU TRANSMISSION LINE AND GRID SUBSTATION IN SIMIYU REGION

S/No	SUBJECT	DETAILS
1.	**Project Name**	220kV Shinyanga - Simiyu Transmission Line and Grid Substation in Simiyu region
2.	**Implementation Authority**	Ministry of Energy through TANESCO
3.	**Location**	Shinyanga and Simiyu regions

4.	**Background**	The main objective of this project is to improve the power stability and reliability in Simiyu region, which depends on 33kV from Ibadakuli substation.
5.	**Project Description**	The project involves construction of 109km, 220kV single circuit transmission line from Ibadakuli to Simiyu and construction of Grid Substation in Simiyu region.
6.	**Project Components**	220kV transmission line project
7.	**Project Economic Viability**	The project will enhance reliable power supply and meet rapid power demand growth due to increased social economic activities including major water supply projects, mining, factories, buildings, businesses, and irrigation schemes, small and medium industries**.**
8.	**Project Status and Readiness of Implementation**	Prefeasibility study is completed; the project requires full feasibility study.
9.	**Implementation Schedule**	Construction period 24 months
10.	**Project Cost**	The estimated cost is USD 35.5 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 Head Office, P. O. Box 453, Dodoma, **TANZANIA.** Email: info@tanesco.co.tz/md@tanesco.co.tz Tel No: +255 22 245 1159

3. 400kV CHALINZE – DODOMA TRANSMISSION LINE PROJECT

S/No	SUBJECT	DETAILS
1.	**Project Name**	400kV Chalinze to Dodoma Transmission Line Project
2.	**Implementation Authority**	TANESCO under the Ministry of Energy
3.	**Location**	Coast, Morogoro and Dodoma Regions
4.	**Background**	The project will enhance further power evacuation from Julius Nyerere Hydro Power Project (JNHPP) to Dodoma and link the Northern, Central and Southern regions to the National Grid System
5.	**Project Description**	The project involves construction of 345km of 400kV double circuit transmission line from Chalinze to Dodoma and interconnect to the existing 400kV Dodoma substation
6.	**Project Components**	400kV double circuit transmission line and associated line bays at Chalinze and Dodoma (Zuzu) substations
7.	**Project Economic Viability**	• Extend the national grid system for further power evaluation and hence improve power reliability by creating alternative line routes • Increasing power transmission and distribution capacity in the regions • Improving system voltage level and provide security of power supply • Facilitate regional power trade with neighbouring Countries and link with Zambia - Tanzania- Kenya (ZTK) Power Interconnector Project • Accelerate industrialization in the country. • Accelerate rural electrification in the region.
8.	**Project Status and Readiness of Implementation**	Feasibility study and Conceptual design is completed and the project requires funds for implementation
9.	**Implementation Schedule**	Construction period is 30 months

10.	**Project Cost**	The estimated project cost is USD 152.34 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 project stakeholders and make compensation to the community to be displaced by the project as a process towards land acquisition. The basis for compensation payment depends on the approved valuation report.
13.	**Contacts**	Managing Director, TANESCO Head Office, P. O. Box 453, Dodoma, **TANZANIA.** Email: info@tanesco.co.tz/md@tanesco.co.tz Tel No: +255 22 245 1159

4. 220kV BENACO - KYAKA TRANSMISSION LINE PROJECT

S/No	SUBJECT	DETAILS
1.	**Project Name**	220kV Benaco - Kyaka Transmission Line Project
2.	**Implementation Authority**	TANESCO under the Ministry of Energy
3.	**Location**	The project is located at Ngara and Kyaka (Misenyi) Districts in Kagera region
4.	**Background**	The proposed Benaco-Kyaka transmission line project will improve power reliability and connect Kagera region to the grid and support social and economic development in the Lake zone regions.
5.	**Project Description**	The project involves; • Design and construction of approximate 166.17km of 220kV transmission line from Benaco substation to Kyaka substation;

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- Design and construction of 2x40MVA, 220/33kV substation at Benaco in Ngara District; and
- Design and construction of 2x120MVA, 220/132/33kV substation at Kyaka in Misenyi District

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<tr><td>6.</td><td>Project Components</td><td>220kV transmission line and associated substations at Benaco and Kyaka. Benaco will be the new substation and Kyaka is the upgrading of the existing substation.</td></tr>
<tr><td>7.</td><td>Project Coordinates for Substation areas</td><td>

Existing Kyaka Substation

<table>
<tr><th>Description</th><th>Northing</th><th>Easting</th></tr>
<tr><td>Point 1</td><td>9861570.2</td><td>323357.7</td></tr>
<tr><td>Point 2</td><td>9861584.7</td><td>323310.8</td></tr>
<tr><td>Point 3</td><td>9861522.3</td><td>323291.5</td></tr>
<tr><td>Point 4</td><td>9861511.1</td><td>313418.6</td></tr>
<tr><td>Point 5</td><td>9861538.4</td><td>323427.0</td></tr>
</table>

Proposed Benaco Substation

<table>
<tr><th>Description</th><th>Northing</th><th>Easting</th></tr>
<tr><td>Point 1</td><td>9726676.17</td><td>261470.826</td></tr>
<tr><td>Point 2</td><td>9726647.73</td><td>261769.54</td></tr>
<tr><td>Point 3</td><td>9726349.24</td><td>261738.801</td></tr>
<tr><td>Point 4</td><td>9726377.71</td><td>261440.211</td></tr>
</table>

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<tr><td>8.</td><td>Project Economic Viability</td><td>

- Enhance power evacuation of the proposed Kakono Hydropower plant (87MW).
- Facilitate regional power trading (as the project will link with the proposed Tanzania-Uganda interconnector project).
- System reliability improvement

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<tr><td>9.</td><td>Project Status and Readiness of Implementation</td><td>Feasibility study for the project is completed and the same need to be approved by relevant Authorities</td></tr>
<tr><td>10.</td><td>Implementation Schedule</td><td>Construction period 24 months</td></tr>
<tr><td>11.</td><td>Project Cost</td><td>The estimated project cost is USD 119.4 Million</td></tr>
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12.	**Financing Structure/Modality**	Engineering, Procurement, Constructing and Financing (EPC+F)
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 Head Office, P. O. Box 453, Dodoma, **TANZANIA.** Email: info@tanesco.co.tz/md@tanesco.co.tz Tel No: +255 22 245 1159