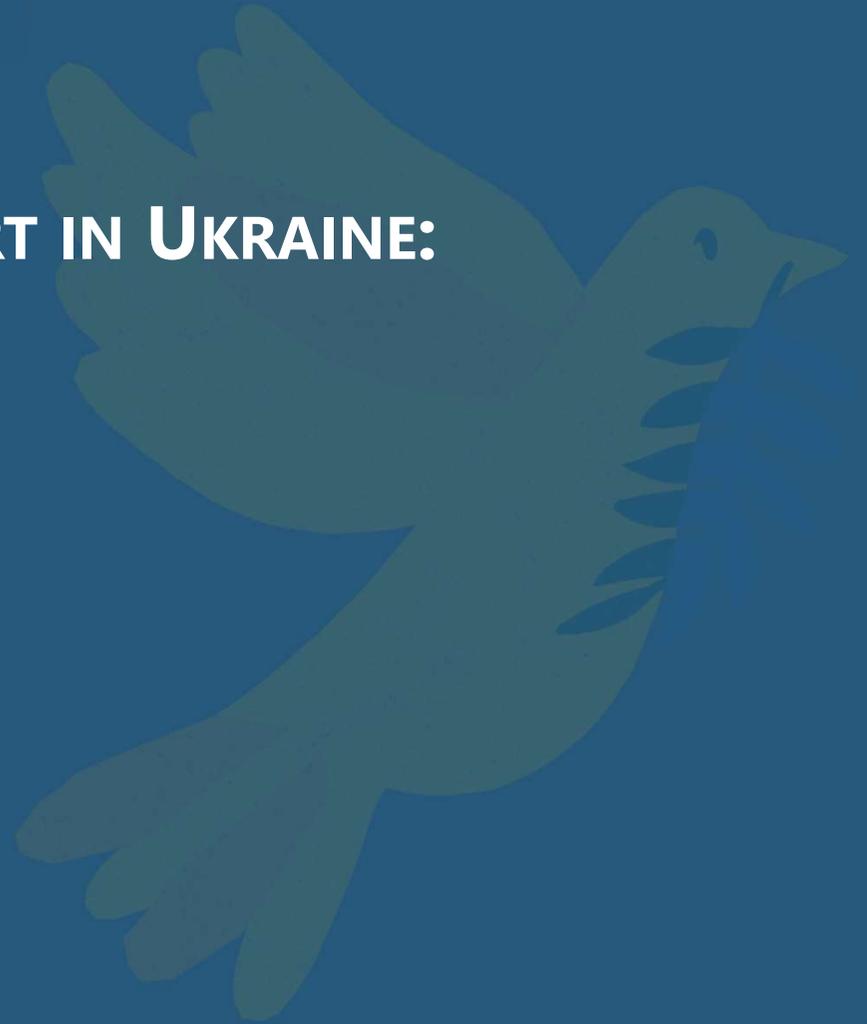


WORLD BANK EMERGENCY SUPPORT IN UKRAINE: PROCUREMENT OPPORTUNITIES





Repairing Essential Logistics Infrastructure and Network Connectivity (RELINC) Project

Project – P180318

26% of Ukraine's Area Affected, Including Critical Corridors for Imports & Exports



- War related damage to transport network exceeding \$35bn (Feb 2023)
 - 12% bridge infrastructure
 - 19% railway infrastructure & assets
- 2,100 villages, 51 towns, & 35 cities in returned territories affected by disrupted transport networks
- Demand for transport services fallen by ~30% between 2021 and 2022
- Additional 88 rail stations, over 400 railway bridges and over 350 road bridges damaged in Donetsk, Luhansk, Zaporizka, Khersonska, and Kharkivska oblasts since June 2022



RELINC Context and Scope of Activities

Approved in February 2023; Effective in June 2023

Currently in active implementation stage



- \$92bn in reconstruction/recover needs in railway infrastructure and rolling stock (30%), national roads (29%), and local roads (16%)
- Over \$20bn of transport sector losses estimated from disrupted Black Sea port access
- Additional 88 rail stations, over 400 railway bridges and over 350 road bridges damaged in Donetsk, Luhanska, Zaporizka, Khersonska, and Kharkivska oblasts since June 2022

PDO: Provide means for mitigating immediate impact that disrupted transport networks have on Ukraine's population & economy.

Total funding needs: US\$585 million

Initial funding available: US\$50 million from URTF signed
Additional US\$225 million under processing

Current Funding Gap: US\$310 million

Components:

1. **Lifeline road connections (\$23.5m funded; estimated need ~\$289m):** provision of modular bridges for immediate and urgent repairs to restore damaged road network, materials for emergency road repairs during winter, and equipment to enhance western road Border Crossing Points (BCPs) to mitigate impacts of Black Sea disruption.
2. **Lifeline rail connections (\$23.5m funded; estimated need ~\$289m):** procurement of components for production of flatbed railway wagons, modular bridges, equipment, and materials to repair damaged rail connections, and rolling stock urgently needed to support export of Ukraine's agricultural commodities via EU ports.
3. **Readiness for Urgent Reconstruction Initiatives and Project Management (\$3m funded; estimated need ~\$7m):** support for technical studies for future recovery projects and for project supervision and monitoring.

RELINC: Scope Adjusted to Respond to New Emerging Needs and Priorities of the Sector



- Project served as a platform enabling mobilization of support from donors to address identified needs: **modular bridges needs being met outside of project by donors/IFIs and around 700m are in procurement under RELINC.**
- **Other needs met (materials road and bridge repairs and BCPs)** by IFIs/donors and state budget.
- Project to continue support for rolling stock to improve operational efficiency of railways: **shunting locomotives to enhance resilience and efficiency of shunting operations.**
- With **termination of BSGI**, Danube riverports cluster became critical alternatives to transport Ukraine's agriculture produce, requiring increase in their cargo handling capacity.
- To meet new needs, new component will support procurement of navigation (personal pilot kits and automated traffic management system) and transloading equipment (wheel loaders and portal crane), vessels (tug-boats), & materials for infrastructure repairs **for improving operational capacity at Danube riverports.**



RELINC: Schedule



| | | |
|---|-----|-------------------------------|
| RVP Approval | »»» | February 9, 2023 (completed) |
| Grant Agreement Signing | »»» | February 10, 2023 (completed) |
| Subsidiary Agreements Signing | »»» | June 6, 2023 (completed) |
| UNOPS Outputs Agreement Signing | »»» | August 18, 2023 (completed) |
| Market assessment for modular bridges | »»» | March 2023 (completed) |
| Procurement for modular bridges | »»» | November 10, 2023 (completed) |
| Contracts signing for modular bridges | »»» | December 2023 |
| Delivery of first batch of modular bridges | »»» | January 2023 |
| Procurement launch for equipment for emergency repairs of rail infrastructure | »»» | October 11, 2023 |
| First deliveries of equipment for emergency repairs of rail infrastructure | »»» | November 2023 |
| Production start of flatbed wagons | »»» | December 2023 |
| Delivery of flatbed wagons | »»» | July 2024 |

RELINC: ONGOING AND EXPECTED PROCUREMENT

| Procurement activities | Initial funding |
|--|-----------------|
| Procurement for road repairs (UNOPS) - Modular bridges | US\$ 23.55mn |
| Procurement of materials, equipment for damaged rail bridge repairs (UNOPS) | US\$ 8.55 mn |
| Procurement launch of flatbed rail wagons (direct contract) | US\$ 15 mn |
| Potential procurement of technical studies (TBD) | TBC |
| Procurement of electric locomotives for railways | Est. US\$190 mn |
| Procurement of port equipment - Vessels - Tugboats - Crane for maritime ports - Mobile handling and lifting equipment | Est. US\$35 mn |





Restoration Project of Winterization and Energy Resources Ukraine (REPOWER)

Project – P180332

More than Half of the Energy Facilities Damaged due to Targeted Attacks



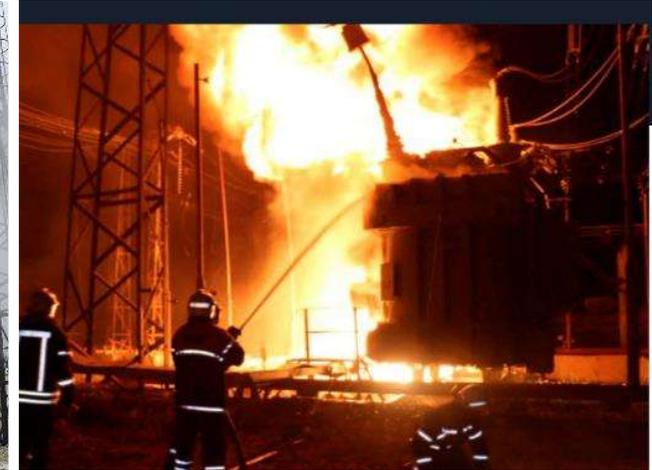
Energy represents 8% of total damage (US\$10.6 billion) as of February 2023



Power Sector Damage is the largest: US\$ 6.5 bn



Actual damage is larger, but it cannot be quantified due to limited access to the war zone and occupied territories in Eastern and Southern regions



RE-POWER Context and Scope of Activities

Approved in April 2023; Effective in July
Currently in active implementation stage



- High voltage transformers in critical substations particularly targeted, causing rolling blackouts across the country
- Revenue losses in power, gas production, gas transit, coal mining, and fuel oil sectors of over \$27bn
- District heating distribution damages in the Southern and Eastern regions caused evacuation as neither restoration nor reconstruction is feasible

PDO: To enable the restoration of essential energy services in Ukraine.

Total funding needs: US\$500 million

Initial funding available: US\$200 million from URTF signed

Current Funding Gap: \$300 million

Components:

1. **Emergency equipment for the electricity transmission infrastructure (\$199.7m funded; estimated need ~\$300m):** provision of autotransformers, transformers, circuit breakers, and other substation equipment and materials for Ukrenergo. This is the most critical support to restore the electricity supply for the entire transmission network.
2. **Emergency equipment for the heating infrastructure (\$0m funded; estimated need ~\$200m):** provision of mobile heat-only boilers for heating centers, mobile mini co-generation units, other equipment and materials for repairing district heating and gas networks as well as liquid fuel depots and alternative heating options.
3. **Project Management and Monitoring (\$0.3m funded):** project supervision and monitoring support

RE-POWER: Scope Has Been Adjusted Responding to Dynamic Situation on Damages & Donor Support



- Framework approach demonstrated overall needs and financing gap helping mobilize resources from other donors.
- Most of the **needs for autotransformers met** by various donors, while RePOWER contributing to procurement of 6 units.
- While needs for autotransformers are mostly met, needs for remaining critical equipment for repairing electricity and district heating infrastructure remain unmet. Needs have emerged to protect autotransformers and infrastructure.
- Project is being adjusted to support remaining and emerging needs, including facilities to protect new and existing autotransformers.



Source: <https://xn-----glcfcctdci4bhow0as6psb.xn--p1ai/nomera-zhurnalov/6-17-2014-g/sistemy-utilizatsii-tepla-transformatorov-i-avtotransformatorov-220-750-kv/>

Status of Autotransformer Delivery

| Status | Donors | # of units |
|-----------------|-------------|------------|
| Delivered | Lithuania | 2 |
| | UNDP/Japan | 2 |
| | Ireland | 1 |
| | Germany/KfW | 2 |
| To be delivered | EBRD | 20 |
| | KfW | 17 |
| | USAID | 18 |
| | World Bank | 6 |
| | UNDP/Japan | 4 |
| | UNDP/Others | 3 |
| | Latvia | 1 |

RE-POWER: Schedule



| | | |
|--|-----|--------------------------------------|
| Negotiations with the Government | »»» | April 6, 2023 (completed) |
| RVP Approval | »»» | April 11, 2023 (completed) |
| Grant Agreement Signing | »»» | April 12, 2023 (completed) |
| Subsidiary Agreement Signing | »»» | July 18, 2023 (completed) |
| Grant effectiveness declaration | »»» | August 3, 2023 (completed) |
| General Procurement Notice Issuance | »»» | August 22, 2023 (completed) |
| Procurement of autotransformers package launch | »»» | October 18, 2023 (completed) |
| Budget Passport Issuance by MoF | »»» | November 28, 2023 (completed) |
| Procurement of subsequent packages (support consultant, machineries/vehicles, and protective facilities) | »»» | December, 2023 |
| Expected bid submission for autotransformers | »»» | December 28, 2023 |
| Expected contract signature for autotransformers delivery | »»» | February 2024 |
| Expected delivery of autotransformers | »»» | Summer 2024 |

* 1st package includes procurement of autotransformers. Subsequent packages includes procurement of support consultant, special machineries/vehicles, and protective substations

RE-POWER: ONGOING AND EXPECTED PROCUREMENT

| Procurement activities | Estimated Cost |
|---|----------------|
| Procurement of 6 units of 330/220kV autotransformers | US\$ 18 mln |
| Procurement of special vehicles, trucks, cranes | US\$ 42 mln |
| Procurement of 750kV phase shift transformers | US\$ 32 mln |
| Procurement of materials and civil works for Level 2 anti-drone protection facilities | US\$ 100 mln |
| Procurement of consulting services | US\$ 2 mln |





Housing Repair for People's Empowerment Project (HOPE)

Project – P181200

HOPE Context and Scope of Activities

Project Approved On August 30, 2023,
Effective as of October 18, 2023



- Housing is the most affected sector with total damage estimated at over \$50bn
- Est. 6 million people displaced within Ukraine
- 1.45 million residential units (~11% of total residential stock) impacted directly affecting ~3.5 million residents
- ~87% of housing units damaged are in multi-family apartment buildings
- 4 out 5 damaged units are in urban areas

PDO: To support affected households to regain adequate housing through repair of damaged housing stock and to support national government in priority policy reform areas.

Total funding needs: US\$800 million

Funding mobilized: US\$232.5 million

Components:

1. **Repair of damaged residential units:** community grants for minor and medium repairs of damaged (<40% damage) residential units.
2. **Preparation for, and capital repair of medium damaged residential units:** funding of engineering and design documents for and repairs of up to moderately damaged (10-40%) multi-apartment residential buildings.

HOPE Ukraine: Implementation Progress



Component 1:

- ~60,000 applications for compensations submitted
- ~30,000 applications or **US\$80 million** approved for payments
- **US\$100 million** is expected to be paid to the end-beneficiaries by the end of CY2023

Component 2:

- **City selection criteria** is under the final stages
- In each participating city a cluster of buildings with medium damages will be selected for rehabilitation



HOPE: EXPECTED PROCUREMENT

| Procurement activities | Initial funding |
|--|------------------------------|
| Preparation of detailed design documentation for rehabilitation/restoration of multi-family buildings with partial/medium damages. | Cumulative of USD 10 million |



THANK YOU