



Compact Moldova

HEADING FOR SUSTAINABLE ECONOMIC GROWTH

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WUA Lopatna approved technical design for centralized irrigation system rehabilitation

"COMPACT seeks to contribute to poverty reduction in the Republic of Moldova through economic growth"



The Water Users Association (WUA) Lopatna in Orhei rayon approved the final design of the irrigation system, developed by the engineers of the design company contracted with Compact funds to develop the detailed designs of centralized irrigation systems.

During the meeting from August 25, 2012 the members of the WUA Lopatna Administration Board learned about the irrigation system operation concept, technical details of the system, the technical parameters used to design the irrigation system such as pressure and debit at hydrants, the watering cycle standards and duration, crops and irrigation equipment and other relevant issues related to the technical design.

The farmers appreciated the part of the technical design related to the automation and water demand based operation of pumps, remote data transmission through GSM network and other elements which will ensure efficient operation of the centralized irrigation system after rehabilitation. According to the engineers, a critical element of the technical design is the use of the gravity irrigation system, which will make unnecessary a pumping station at level II, thus cutting the pressurization and operation costs of the irrigation system.

The design took into account most of the suggestions of the WUA Lopatna representatives as much as it was possible from the technical point of view and in terms of economic efficiency. One of the major requests of the farmers to be

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considered by the designers is the possibility to expand in future the irrigation area up to 300 hectares.

Today the irrigation system Lopatna covers an area of about 500 hectares owned by over 530 persons from four neighboring localities. More than 460 farmers in the command area of this system are members of the local Water Users Association.

Sergiu Iuncu, the director of the Compact Transition to High Value Agriculture Project, communicated that the two technical designs for the rehabilitation of the irrigation systems Lopatna and Criuleni are at the final stage of development, and the competition for rehabilitation of those two systems is expected to be announced at the beginning of October.

The technical designs of the irrigation systems provide that each farmer uses necessary amount of water and pressure

Two technical designs for the rehabilitation of the irrigation systems Lopatna and Criuleni are almost ready. Victor Gaina, MCA Moldova Director for Centralized Irrigation Systems Reform Activity, explains the principles guiding the engineers in the development of designs.



The irrigation systems in Moldova were installed 20-30 years ago. They have never been rehabilitated ever since, except for some minor repairs. To what extent do the irrigation systems meet the farmers' needs?

The irrigation systems do not meet the farmers' need. Only about 20% of the farmland in the command areas of irrigation systems is irrigated. The outdated equipment, operationally and energy inefficient, the high costs for energy resources, and the damaged irrigation networks are just a few reasons that make the farmers unhappy.

The Compact provides funds for just fixing or modernization of the irrigation systems?

The Compact provides funds for the modernization of irrigation systems by installing groups of

modern pumps with increased energy efficiency, frequency converters to reduce energy consumption and secure the systems, pipes made of friendly material to replace the pipes made of asbestos-cement, modern automation systems etc.

What are the principles that will guide rehabilitation of the irrigation systems with Compact funds?

The principles that will guide the rehabilitation of the irrigation systems is reliable supply of water to every farmer working the land in the Compact command areas provided that the available resources are used effectively. The farmland is divided so as every farmer by rotation will have the necessary amount of water and pressure depending on what they grow on the irrigated land.

What are the innovations of the technical designs of the 11 irrigation systems?

The designs provide for a number of technical innovations for the irrigation systems, such as the use of modern automation equipment and systems, increasing efficiency of specific parts of the irrigation systems by replacing them with more efficient modern equipment, the shift from two pumping levels to one etc.

Modern methods will be used to check the technical parameters of the irrigation systems, including the debit and pressure at hydrants.

Are there any specific compulsory requirements to be considered by the IS design, such as environment requirements?

The technical staff fully complied with the environmental requirements, like protection of flora and fauna in the Nistru and Prut basins, protection and restoration of ichthyofauna, replacement of pipes made of asbestos-cement with pipes made of friendly materials etc.

What are the benefits of the technical parameters of the detailed designs for farmers?

The farmers will use rehabilitated and energy efficient systems, which will ensure flexibility of the irrigation schedule in off-season. The systems will be made of secure materials and a mix of modern pumping equipment, rehabilitated reservoirs, replaced pipes and hydrants. All the farmers will have enough water to irrigate at most appropriate pressure.

Therefore, the farmers are encouraged to shift to high value agriculture using efficient water use methods.

Compact to rehabilitate access road to fire station in Soroca



The Millennium Challenge Account Moldova will rehabilitate an additional road in Soroca stretching for 650 meters and facilitating the access to the fire station. This is an additional road to the design of the 93 km Sarateni-Soroca road to be rehabilitated by the Compact.

The Millennium Challenge Corporation approved the decision to rehabilitate the access road to the fire station in order to complement the assistance

provided by the U.S. Government for the rehabilitation of the fire station in Soroca with the help of the U.S. Office of Defense Cooperation.

Ghenadie Macovei, the chief of the Firefighters and Rescuers Brigade in Soroca rayon, said that today the fire station has 7 operational fire trucks which, besides Soroca, travel to other 60 localities in the rayon. He stressed that a good road is critical for firefighters, because the

quality of road has impact first of all on the intervention time and the technical condition of the trucks, quantity of used fuel etc.

The chief of the Firefighters and Rescuers Brigade in Soroca rayon highly appreciated the assistance provided to rehabilitate the access road to the fire station and the Sarateni – Soroca road, because it will help the firefighters get in quickly in cases of emergency.



Equipment for Sarateni-Soroca road reconstruction reached Moldova

Mobilization of the equipment and teams that will rehabilitate a 93 km segment of the Sarateni-Soroca road is in full swing.

So far tens of devices have been brought to Moldova – trucks, bulldozers, excavators, light towers, compressors, soil compactor, tandem rollers, emulsion plant, dump trucks etc.

Anatol Usatii, the Road Rehabilitation Director, stressed that it is still not possible to say the precise figure of equipment brought to Moldova because daily new equipment goes through the Moldovan customs office.

Most of the equipment belongs to the consortium of the Turkish companies ONUR Taahhnut Tasimacilik Ve Ticaret Ltd. Sti. and SUMMA Turizm Yatirimciliđi A. Ő. which will rehabilitate 44.9 km starting from the Sarateni junction till the entrance to the town of Ghindesti. The Austrian company Strabag AG, contracted to rehabilitate 48.1 km from the entrance to the town of Ghindesti

till the Drochia junction (R7 and R9 junction), already has a large part of the required equipment in Moldova because it is also working on another road segment in Moldova.

Anatol Usatii added that the companies contracted to rehabilitate the Sarateni-Soroca road are at the final stage of mobilization and are expected to start the rehabilitation works in September.

To rehabilitate the Sarateni-Soroca road the consortium of Turkish companies ONUR Taahhnut Tasimacilik Ve Ticaret Ltd. Sti. and SUMMA Turizm Yatirimciliđi A. Ő. and the Austrian company Strabag AG were contracted. The contract price is USD 49.4 million and USD 43.2 million, accordingly.

Besides, MCA Moldova contracted IRD Engineering SRL from Italy and Louis Berger SAS from France to supervise the construction works. The construction supervision contract price is USD 3.29 million and USD 3.26 million, accordingly.

Social and environment requirements – imperative for construction and construction supervision companies



philosophy of these policies is that community infrastructure improvements must not have a negative social impact in particular on specific vulnerable categories like children and women.

They also learned about the specific procedures for environment protection and reducing the adverse impact of works on the flora and fauna in the villages crossed by

The representatives of the companies contracted to rehabilitate the Sarateni-Soroca road learned about the social and environment requirements to all the Compact projects.

MCA Moldova informed them about the specific requirements that each local or international company performing construction or supervision works must comply with. These requirements refer to the need to avoid or reduce the inevitable impact of the construction works like noise, difficult access to properties, difficult communication and even complaints from villagers related to road rehabilitation. These standards meant to ensure a normal social climate in the localities crossed by the road are not just prescribed by law, but are also principles which guide MCC in every country which implements Compacts.

In accordance with the MCA Moldova Social and Environment Management Plan the companies will have to take actions to prevent trafficking in persons either for sexual exploitation, forced labor or other forms of exploitation from happening in the villages where works will be performed. The

the road to be rehabilitated.

The most critical requirements to environment protection relate to waste storage, use and maintenance of specific devices and engineering networks etc. Compliance with the environmental requirements will be regularly monitored in order to prevent any actions which might have an irreversible impact on the environment from happening.

To comply with the social and environmental requirements the companies will conduct outreach campaigns and consultations with local leaders, distribute relevant publications, install billboards, and receive and address potential complaints from villagers or other persons affected by construction works.

During the reconstruction works, MCA Moldova will hold regular meetings with the representatives of the contractors to monitor compliance with these requirements and identify efficient solutions for proper compliance with them.

International companies submitted bids for real time water monitoring equipment

Five international companies from USA, Germany, Serbia and Romania submitted their bids in the competition announced by MCA Moldova in the period of July 31 – August 24 for procurement of real time water monitoring equipment for Moldovan rivers.

In the upcoming weeks a panel will evaluate the bids and select the winning company. The equipment is expected to be delivered and installed by the end of 2012. The winning company is expected to deliver level (pressure and radar)

sensors, temperature sensors, real time data logger and transmitter, current meters and hydrological equipment necessary to conduct the hydrological surveys and handed them to the State Hydro-meteorological Service.

The procured equipment will be installed on the Nistru River at Naslavcea, Unguri, Soroca, Rezina and Vadul lui Voda; on Ichel River at Goian; on Bic River at Merenii Noi; on Botna River at Causeni and on Cogilnic River at Basarabasca.

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