

## **REFERENCE**

### **about the project of “Almalyk MMC” OJSC for the development of the deposit ‘Yoshlik I’**

In accordance with the decisions of the President of the Republic of Uzbekistan dated March 1, 2017 No. PQ-2807, May 26, 2020 No. PQ-4731 and the order of the Cabinet of Ministers of the Republic of Uzbekistan dated September 10, 2021 No. F-5691, as well as the order of the Cabinet of Ministers of the Republic of Uzbekistan dated 26 May 2020 No. 267-F and relevant resolutions, based on the deposits of JSC Almalyk MMC, a phased investment project (hereinafter referred to as the project) is being implemented to “expand the production of precious metals” (development of the “Yoshlik I”).

To date, within the framework of the investment project “development of the deposit Yoshlik I”, 3197.0 million US dollars have been developed, including in January-June of this year - 675.5 million US dollars; by the end of the year, 1,179.0 million are expected to be developed million US dollars.

For reference. The implementation of phase I of the project will lead to the construction of a mine with an annual production of 65.0 million tons of ore (\$1.44 billion), Copper Processing Plant No. 3 (\$2 billion) processing 60.0 million tons of ore, and plant infrastructure (\$1 billion), as well as external power supply with a capacity of 650 megawatts (\$170 million.).

#### **1. 3-construction of MBF.**

Work on the construction of MBF-3, subject to “delivery in finished form,” is being carried out by Uralmashzavod OJSC, Almalyk MMC JSC and the Enter Engineering consortium.

Foreign companies “Wood” were involved in design work, and “Worley Parsons” were involved in technical control in construction.

19.9 million cubic meters were installed at the construction site. m (95%) of excavation work, 688.4 thousand cubic meters. m (90%) of concrete work, 99.4 thousand tons (95%) of reinforcement, 19.0 thousand tons (53%) of technological equipment and 31.4 thousand tons (54%) of metal structures.

In total, within the framework of the MBF-3 construction project, 58% of construction and installation work was completed, a total of 8,568 workers were involved at the construction site (excluding support personnel and workers in the metal structures manufacturing area) and 820 units of special equipment.

#### **1.1. Supply of basic technological equipment.**

Coarse ore warehouse- 35 sets of electric manual cranes “Uralkran”, 2 sets of air traction system “ASPEKS” (Russia), 16 sets of “AUMUND”, 2 sets of belt conveyor “PTM” and 8 sets of drainage pump “WEIR” were supplied.

Crushing building without middle- 8 KSD 3000/1500 from Uralmashzavod, 2 sets of overhead electric cranes from Uralkran, 8 sets of air weighing systems from ASPECSA and 6 sets of drainage pumps from WEIR, 8 sets of belt conveyors from PTM, 9 sets of electric manual grinders machines from Uralcrane. 16 sets of AUMUND band cranes were supplied.

Rumble building without middle- 8 pneumatic swinging drums, 4 sets of the ASPECSA air traction system, 16 sets of the PTM belt conveyor, 4 sets of the BMX RUS unloading conveyor and 5 sets of the WEIR drainage pump, 25 sets of URALKRAN electric hoists, 16 sets of AUMUND straps were delivered.

The building is almost noisy-2 sets of Uralkran overhead electric cranes and 14 sets of electric Hoists, 8 sets of PTM belt conveyor, 6 sets of BMX Rus belt transmitter, 5 sets of WEIR drainage pump, as well as 6 sets of ASPECS air traction system and 1 set of Thyssenkrupp (Germany) 6 sets of roller high pressure pressing equipment.

The building is rumbling without a little- 24 sets of “URALKRAN” electric overhead cranes and 34 sets of electric trolleys, 2 sets of “PTM” belt conveyors, 24 sets of “BMX RUS” belt transmissions and 4 sets of “WEIR” trolley unloading conveyors, 6 drainage pumps were delivered.

The mine building- 12 sets of ball mills (mshs) and mill linings “UZTM-KARTEX”, 47 sets of gravity protective winches “Kwatani” (north Minerals, South Africa), 4 sets of overhead cranes “URALKRAN” and 72 sets of electric cranes, as well as 24 sets of drainage cranes "WEIR pumps and 12 sets of hydrocyclones, 16 sets of gravity concentrator for the INTERTECH factories (Serbia).

Also 12 sets of hydrostatic bearings from cemtec (Austria) for ball mills, 12 sets of gear crowns from cemtec (Germany), 25 sets of mill motors and 12 sets of chillers from ABB Switzerland Ltd., cylindrical bushings from NAIPU (China) for 12 sets of mills, " Dalian 12 sets of levvie's automatic ball loader (China) were supplied, as well as 2 sets of GEARS Mining (Australia) replacement machine and 3 sets of bolt removal hammers.

Copper-molybdenum concentrate condensation section-All 6 sets of vertical mills for thickeners “Metso:Outotec” (Austria), all 2 sets Filter (mo), 5 sets Filter (Su)”Metso:Outotec “(Finland), 6 sets 17-meter, 2 sets 28-meter for thickeners, 2 sets of “Metso: Outotec” (China) with a capacity of 1 piece 5 meters, the main equipment was supplied to all “Metso: Outotec” (Europe) capacitors.

Main flotation building-Metso: Outotec (China) flotation lines 2, 3, 4, 5 and 6 were supplied, as well as the remaining flotation line 1, the main equipment was delivered to all 6 Metso: Outotec (Europe) flotation lines.

1, 2, 3 step-down stations-The instrumental equipment of Technokont (Kazakhstan) has been supplied.

**For the main part of the Factory economy-**4 sets of Airpol air compression system (Poland), all 3 lines of Seagull (China) water heating tower have been delivered, 1 batch of lime milk plant has been delivered, the last 2 batch has been delivered to “Yilmaz Process Technolojiler” (Turkey) is expected it will be delivered in June.

## **2. Sot-construction of a mining facility.**

5.47 million cubic meters m (99.6%) of excavation work, 20.0 thousand tons (88%) of reinforcement at the SoT-Mine construction site and 131.3 thousand cubic meters were completed. m (88%) of concrete work, 1,205 (91%) track rollers, 19.0 thousand (88%) track rollers and 10.4 thousand m (59%) of conveyor belt were installed, 258 workers and 12 units of special equipment were involved .

As part of the honeycomb mine construction project, construction and installation work has been completed to a total of 68 percent.

### **2.1. Supply of main technological equipment.**

3 sets of Uralmashzavod KCD 1500x200 primary crusher (Russia), 6 sets of AUMUND plate suppliers (Germany) were delivered to the construction site, the supply of basic components for mainline and 3 sets of Thyssenkrupp cargo rolling conveyors (Germany) was partially completed. As well as 6 overhead cranes and 27 URALKRAN electrical products (Russia), 2 sets of manipulators with hydraulic hammers “Technopark Impulse (Russia), 2 sets of cantilever cranes PF ASK (Russia) and 3 sets of the ASPECS dust collection system (Russia), 3 sets of the ChKZ air compression system (Russia), 5 sets of WEIR drainage pumps (Turkey), 1 set of the 35/10 kV TECHNOKONT substation (Kazakhstan), 3 sets of the eim Engineering intake hopper dust suppression system(Russia), 3 sets of Venkon air circulation system (Russia) have been delivered.

### **3. 3-construction of ICF infrastructure facilities.**

The tailings storage facility accommodated 15.3 million cubic meters. m (23 percent) of earthworks for the construction of the dam foundation (of which 7.1 million cubic meters were for the construction of the dam) and 3.2 thousand m (11 percent) of pipes were laid. These works involve 211 workers and 275 units of special equipment.

For external water supply facilities (23.5 thousand cubic meters per hour), 74.7 km (61%) of water pipes were laid in the Karakhitai underground watershed, as well as 120

(100%) borehole drilling operations, 1.39 million cubic meters . m (76%) of earthworks, 2.8 thousand tons (82%) of reinforcement were produced, 14.3 thousand cubic meters were completed. m (66%) of concrete work. 212 workers and 45 units of special equipment were involved in these works.

Currently, a total of 9,249 workers (excluding support personnel and workers in the metal structures manufacturing area) and 1,152 units of special equipment are involved in the construction of the 3rd MBF and its infrastructure facilities.

4. Construction of a quarry at the Yoshlik I mine and the creation of its production infrastructure.

Quarry construction project from the very beginning:

Work on opening the surface of 192.6 million m<sup>3</sup> was completed (since the beginning of the year - 18.6 million m<sup>3</sup>) (the work was organized in 2 shifts, 1,743 workers and 400 units of equipment were working) and 41.2 km of railways were laid;

599 units of mining equipment (\$456.4 million) (54 130-ton, 29 220-ton BelAZ dump trucks and 2 220-ton NMT-240 Terekh-krantas dump trucks, 33 excavators, 23 drilling rigs, 12 mixing and charging machines) 254 units of railway equipment (1 electric locomotive, 5,212 dump trucks, 7 units of road construction equipment) as well as 192 units of auxiliary equipment);

For the construction of the Cyclo-Flow Technology (“CPT-rock”), carrying 20 million m<sup>3</sup> of empty rock bodies per year, more than 5.9 million m<sup>3</sup> of earthworks were performed.