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**AMU-BUXORO MASHINA KANALINING TABIIY SHAROITI VA
LOYIHAVIY PARAMETRLARI**

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**“Toshkent irrigatsiya va qishloq xo‘jaligini mexanizatsiyalash
muhandislari instituti” Milliy tadqiqot universiteti Buxoro tabiiy
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Annotatsiya. Ushbu maqolada Amu-Buxoro mashina kanalining asosiy qismi Buxoro viloyatida joylashganligi uning tabiiy geografik zonasi, qizilqum cho‘lida joylashganligi haqida malumot keltirilgan. Qiziltepa, quymazor, to‘dako‘l tashlama va ABK-I navbati kanalida Sapfer-2 suv o‘lchash qurilmasi o‘rnatilgan. Bu esa navbatchi dispetcherlarning ishini yanada yengillashtiradi. Sun‘iy o‘zanlar ham mavsumiy ravishda Amudaryoni suv satxini o‘zgarishiga qarab ochib yopiladi.

Kalit so‘zlar: kanal, daryo, to‘g‘on, suv, loyqa, nasos.

**ANALYSIS OF TECHNICAL WATER SUPPLY SYSTEM OF PUMP
UNITS.**

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Annotation. This article reports that the main part of the Amu-Bukhara machine channel is located in the Bukhara region, and its natural geographical zone is located in the xilykum desert. A Sapfer-2 water measuring device has been installed in Kiziltepa, Kuymazor, Todakol Tashma and ABK-I turn channel. This

makes the work of dispatchers on duty even easier. Artificial riverbeds are also seasonally opened and closed depending on the water level of Amudaryya.

Keywords: canal, river, dam, water, mud, pump.

Amu-Buxoro mashina kanalining asosiy qismi Buxoro viloyatida joylashgan bo‘lib, hududning tabiiy geografik zonasi cho‘lli hudud bo‘lib, asosan qizilqum cho‘lida joylashgan. Amu-Buxoro mashina kanali boshqarmasi Amudaryodan 1-2-chi sun’iy o‘zanlar orqali Bosh to‘g‘on inshootidan kerakli miqdordagi suv olinib, «Ikkilik suv taqsimlash» inshootida ABK-1, ABK-2 navbatlari, AKK va Yamanjar kanallariga bo‘linib, Amu-Buxoro-1, Amu-Buxoro-2, Jondor 1-ko‘tarma va Jayxun nasos stansiyalari yordamida suvni ko‘tarib, Buxoro va Navoiy viloyatlarining 315,0 ming gektardan oshiqrok ekin maydonlarini sug‘orish uchun suv yetkazib beriladi.



1-rasm. Amu-Daryodan 2-ta sun’iy suv olish o‘zani va suv tindirgich.

Izoh: 1962-1965 yillardan buyon ekspluatatsiya qilinib kelinmoqda.



2-rasm. Amu-Buxoro mashina kanalining joylashuv sxemasi.

Buxoro viloyati iqtisodining asosini qishloq xo‘jaligi (paxtachilik, g‘allachilik, mevachilik, polizchilik, sabzavotchilik, bog‘dorchilik, chorcachilik) tashkil etadi. Viloyat dehqonchiligida sug‘oriladigan yerlar 273.7 ming ga, cho‘l yaylovlari 2764.6 ming ga ega. Amu-Buxoro mashina kanali boshqarmasi Amudaryodan 1-2-chi sun‘iy o‘zanlar orqali Bosh to‘g‘on inshootidan kerakli miqdordagi suv olinib, «Ikkilik suv taqsimlash» inshootida ABK-1, ABK-2 navbatlari, AKK va Yamanjar kanallariga bo‘linib, Amu-Buxoro-1, Amu-Buxoro-2, Jondor 1-ko‘tarma va Jayxun nasos stansiyalari yordamida suvni ko‘tarib, Buxoro va Navoiy viloyatlarining 315,0 ming gektardan oshiqrok ekin maydonlarini sug‘orish uchun suv yetkazib beriladi. Amudaryo suvi mavsumiy o‘zgarishiga qarab birinchi va ikkinchi sun‘iy o‘zanlar orqali olinadi. Bu o‘zanlarning uzunligi 22 km tashkil qiladi. Sun‘iy o‘zanlar mavsumiy ravishda Amudaryoning suv satxining o‘zgarishiga qarab ochib yopiladi. O‘zanlar doimiy ravishda GSU «Gidromexanizatsiya» qarab Ishlab chiqarish uchastkasi va PK SU «TGM» tashkilotlarining zemsnaryadlari, ABK kanallarini esa GSU «Gidromexanizatsiya» Olot Ishlab chiqarish uchastkasi tashkiloti

zemsaryadlari yordamida doimiy ravishda loyqadan tozalanib boriladi. PK 28+00 dagi bosh to‘g‘on inshooti hozirgi kunda BVO Amudaryo O‘rta daryo boshqarmasi ABMK uchastkasi tomonidan ekspluatatsiya qilinadi.

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