

List of large dams in Central Asia

Uzbekistan

Source:

UNECE

Water series n 5

Dam safety in Central Asia:

capacity building and regional cooperation

New York and Geneva, 2007



| Name of hydraulic project | Year of completion | River/basin | Type of dam | Purpose of the project | Dam height, m | Dam crest length, m | Dam volume (m ³ x 1000) | Reservoir water storage, (mln. m ³) | Power station, installed capacity (kWt x 1000) | Operating organization |
|----------------------------|----------------------------------|--|-------------------------------------|-------------------------------|---------------------------------|-------------------------|------------------------------------|--|--|------------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| Akdarinsky | 1989 | Akdarya | Earth with loam core | Irrigation | 20 | 930 | 878 | 112,5 | - | Minselvodkhoz |
| Aktepinsky (not exploited) | 1981 | Amudarya/Canal Amuzang | Earth protruding | Irrigation | 14 | 42 | 90,1 | 120 | - | Minselvodkhoz |
| Andijansky | 1983 | Karadarya | Concrete counterforce | Irrigation Energy | 121 | 850 | 3600 | 1900 | 140 | Minselvodkhoz |
| Asaka-Adyrsky | 1980 | Asala-adyr | Earthfill | Irrigation | 24,6 | 485 | 139,2 | 3,5 | - | Minselvodkhoz |
| Arnasaisky | 2001 under construction | Syrdarya. (Source: 1.Vostochnaya Verkhnearnasai Lake; 2.Zapadnaya - Arnasay Lake; 3.Yuzhnaya - Tuzkan Lake linked to Aiderskoe Lake) | Sands with interlayers of fine sand | Irrigation | Dam1 n/a Dam2 17,3 Dam3 - 12,35 | 2356 1392 | n/a | 1000 | | Minselvodkhoz |
| Atchaparsky | 1974 | Canal Katartal | Earth | Irrigation | 24 | 1200 | 633 | 7,5 | - | Minselvodkhoz |
| Akhangaransky | 1987 | Akhangaran | Earth with loam screen | Irrigation Water Supply | 100 | 1933 | 5100 | 198 | 21 Under construction | Minselvodkhoz |
| Varzyksky | 1989 | Gavasay/Galaba canal | Earth (3) Main Eastern Western | Irrigation | 40 20 28 | 550 1410 400 | 3247,1 | 18,2 | | Minselvodkhoz |
| Gissaraksky | 1988 | Aksu | Rock earth with loam core | Irrigation | 138,5 | 660 | 2750 | 170 | 45 Under construction | Minselvodkhoz |
| Dekhkanabadsy | 1991 | Kichik/Uriadarya | Earth homogeneous | Irrigation | 41,8 | 850 | 928,4 | 18,4 | - | Minselvodkhoz |
| Dzhizzaksky | 1973 | Sanzarsay | Earthfill | Irrigation | 20 | 5500 | 1900 | 100 | - | Minselvodkhoz |
| Djidalisaisky | Under construction since 1980 | Chadaksay | Earth with loam core | Irrigation | project 65 actual 45 | project 1395 actual 897 | project 5931,6 actual 5001,4 | project 47,7 | - | Minselvodkhoz |
| Zaaminsu | 1987 | Zaaminsu | Earth with screen and core | Irrigation | 73,5 | 408 | 423 | 51 | - | Minselvodkhoz |
| Zarkentsky | 1983 (1stage) under construction | Karakorumsai /Padshata | Earth with loam core | Irrigation | 51 | 1150 | 1036,3 | 25 | - | Minselvodkhoz |
| Kalkaminsky | 1987 | Kumdarya | Earthfill homogeneous | Irrigation | 21 | 546 | 434 | 9,45 | - | Minselvodkhoz |
| Kamashinsky | 1957 Reconstruction 1987 | Karabagdarya | Earthfill homogeneous | Irrigation | 14,9 | 3100 | 1040 | 25 | - | Minselvodkhoz |
| Karabagsky | 1977 | Karabagdarya | Earthfill homogeneous | Irrigation | 28,5 | 400 | 1706 | 7,5 | - | Minselvodkhoz |
| Karasuvsy | 1977 (1stage) | Israrand-Shavan | Earthfill | Irrigation | project 33,5 actual 26 | project 650 | project 1024 | project 3 | - | Minselvodkhoz |
| Karamurdsy | 1968 | Discharge/drainage water | Earthfill homogeneous | Irrigation Erosion Prevention | 18,2 | 216 | 91 | 18,2 | - | Minselvodkhoz |
| Karasuisky | 1987 | Karasu | Earth homogeneous | Irrigation | 15,2 | 1500 | 1098 | 27,6 | - | Minselvodkhoz |
| Karatepinsky | 1981 | Karatepa-sai | Earthfill with loam core | Irrigation | 36 | 681 | 1593 | 19 | - | Minselvodkhoz |

| | | | | | | | | | | |
|---|------------------------------------|---|--|----------------------------|---------------------------|-------------------------------|--------------------------------|---------------------------|-----|------------------------------------|
| Karaultepinsky | 1987 | Zarafshan/canal Eski-Tyuyatartar | Earth (3) Dam 1 Dam 2 Dam 3 | Irrigation | 40 51 19 | 1545 265 102 | 5584 | 53 | - | Minselvodkhoz |
| Karkidonsky | 1967 | Kuvasai / Southern-Fergana canal | Earth (2) high-head low-head | Irrigation | 70 30 | 420 210 | 5600 | 218,4 | - | Minselvodkhoz |
| Kasansaisky | 1967 | Kasansai | Rockfill with ferroconcrete screen | Irrigation | 64 | 290 | 1121 | 165 | - | Minselvodkhoz |
| Kattakurgansky | 1952 | Zarafshan | Earthfill homogeneous | Irrigation | 31,2 | 4 040 | 6 947 | 900 | - | Minselvodkhoz |
| Kizilsuisky | 1991 | Tyrna-Bulak | Earth homogeneous | Irrigation | 46,6 | 640 | 941,7 | 9 | - | Minselvodkhoz |
| Kuksereksaisky | 1980 | Kuruksai/Koksereksai | Earth (3) Main Eastern Western | Irrigation | 41 15 20 | 354 214 168 | 1197 | 6,4 | - | Minselvodkhoz |
| Kurgantepinsky | 1977 | Arabtepasai/Kemkulsai | Earth (2) Arabtepasay Kemkulsay | Irrigation | 45 34 | 620 450 | 1812 779 | 19,9 8,8 | - | Minselvodkhoz |
| Kuyumazarsky | 1958 | Sarafshan | Earthfill homogeneous | Irrigation | 23,5 | 100 | 64 | 310 | - | Minselvodkhoz |
| Lyangarsky | 1973 | Lyangar | Earth homogeneous | Irrigation | 34 | 1050 | 1612 | 7,35 | - | Minselvodkhoz |
| Naukinsky | 1980 | Naukasai | Earth homogeneous | Irrigation | 23,7 | 870 | 970,9 | 6 | - | Minselvodkhoz |
| Nugailiysky | 1972 | Yakkabagdarya/canal Pakhtakor | Earth homogeneous | Irrigation | 13,5 | 850 | 273 | 13,5 | - | Minselvodkhoz |
| Pachkamarsky | 1967 | Guzardarya | Earthfill with loam core | Irrigation | 71 | 573 | 3 040 | 260 | - | Minselvodkhoz |
| Sabirsaisky | 1984 | Sabirsai/canal Eski-Angar | Earthfill | Irrigation | project 25 actual 15 | project 1350 actual 800 | project 1469,2 actual 529,8 | project 42,5 actual 8 | - | Minselvodkhoz |
| Sarmychsaisky | 1984 | | Earth with loam core | Irrigation | 34 | 550 | 1025 | 4,3 | - | Minselvodkhoz |
| Talimardjansky | 1983 | Amudarya/Karshinsky canal | Earth (2) Dam 1 Dam 2 | Irrigation Water Supply | 35 36 | 9745 1000 | 40300 | 1525 | - | Minselvodkhoz |
| Tashkentsky | 1963 | Akhangaran/Chirchik/Tashkanal | Earthfill with loam screen | Irrigation | 36,5 | 2815 | 5485 | 250 | - | Minselvodkhoz |
| Tashlaksaisky (no operation emergency state) | 1981 | Tashlaksai | Earth homogeneous | Irrigation | 32 | 940 | n/c | 7 | - | Minselvodkhoz |
| Tudakulsky | 1977 | Amudarya/Amubukharsky canal | Earth homogeneous | Irrigation | 12 | 4000 | 856,8 | 1200 | - | Minselvodkhoz |
| Tusunsaisky | 1986 | Tusunsai | Earth with loam core | Irrigation | 40,6 | 405 | 1385 | 42 | - | Minselvodkhoz |
| Tuyamuyunsky | 1980 | Amudarya | Earth (3) run-of-river Sultansandjarskaya Kaparasskaya | Irrigation Water Supply | 34 24 22 | 900 21600 134,5 | 26121 | 7800 | 150 | Minselvodkhoz |
| Khodjimushkentsky | 1989 | Khodjimushkentsai | Earthfill homogeneous | Irrigation | 51,5 | 583 | 745,2 | 8 | - | Minselvodkhoz |
| Charvasky | 1975 | Chirchik | Rock-earth dam with loam core | Energy Irrigation | 168 | 764 | 19754 | 2006 | 600 | Minselvodkhoz, Uzbekenergo SJSC |
| Chartaksky | 1989 Under construction 6 stage | Chartaksai | Earth with loam core | Irrigation | project 45 actual 41,5 | project 1 594 actual 1 500 | project 8 004 actual 4 001 | project 45 actual 30 | - | Minselvodkhoz |
| Chimkurgansky | 1960 Reconstruction1969 | Kashkadarya | Earth with loam core | Irrigation | 33 | 7400 | 7280 | 500 | - | Minselvodkhoz |
| Shorsuisky | 1991 | Achchisu | Earthfill with loam screen | Irrigation | 32 | 489 | 825,1 | 10 | - | Minselvodkhoz |
| Shurapsaisky | 1977 | Shurabsai/Aksuv/canal Ankhor- 2 | Earthfill homogeneous | Irrigation | 12 | 1140 | 291,8 | 2 | - | Minselvodkhoz |
| Shurkulsky | 1985 | zarafshan | Earth with loam core | Irrigation | 14,5 | project 6870 actual 560 | Project 6039 actual 31 | project 394 actual 170 | - | Minselvodkhoz |
| Eskiersky | 1975 | Namangansai | Earth homogeneous | Irrigation | 34 | 1250 | 506,3 | 18,5 | - | Minselvodkhoz |
| Yuzhno-Surkhansky | 1967 | Surkhandarya | Earth with core | Irrigation | 30 | 4930 | 45 | 800 | - | Minselvodkhoz |
| Yangikurgansky | 1962 Reconstruction1974 | Yakkabagdarya/Karasu/canal Khabar-II | Earthfill homogeneous | Irrigation | 16 | 1900 | 285,15 | 3,3 | - | Minselvodkhoz |

| | | | | | | | | | | |
|-----------------|--------------|--------------------------|----------------------------------|------------|-------------|--------------|------------------------------|-------|----|---------------|
| Degrezsky | 1962 | Tupalang/canal Khazarbag | Earthfill homogeneous with tooth | Irrigation | 12,7 | 3000 | 800 | 12,75 | - | Minselvodkhoz |
| Uchkyzylsky | 1957 | Surkhandarya/canal Zang | Earth (2) Southern Western | Irrigation | 11,5 5,2 | 1750 2260 | project 1408 actual 506,3 | 160 | - | Minselvodkhoz |
| Tupalangsky | 2006 1 stage | Tupalang | Rockfill with loam core | Irrigation | 100 | 180 | 10046 | 500 | 30 | Minselvodkhoz |
| Mezhdurechensky | | Amudarya | | Irrigation | | | | 450 | | Minselvodkhoz |
| Akbaisky | | Kashkadarya | | Irrigation | | | | 110 | | Minselvodkhoz |
| Rezaksaisky | | Syrdarya | | Irrigation | | | | 200 | | |

21676