

**Order of the Minister of healthcare and social development of the Republic of Kazakhstan
No. 944, of December 8, 2015**

On Approval of the List of Jobs, prohibited for employees under 18 years old, as well as threshold of portage and moving of weights by employees under 18 years old, and list of jobs prohibited for female employees, threshold norms of manual lifting and moving of weights by female employees.

(with amendments of 13.08.2018)

[...]

3. The vice minister of healthcare and social development of the Republic of Kazakhstan is entrusted with supervision over enforcement of this order is entrusted with.

[...]

Annex 2
to the order of the Minister of Healthcare
and Social Development
of the Republic of Kazakhstan
of December 8 2015 № 944
(with changes of 13.08.2018)

The List of jobs prohibited for female employees, thresholds norms of manual lifting and moving of weights

Chapter 1. List of jobs prohibited for female employees

Subchapter 1.1 Metal industry

1. Casting works

1. Cupola furnace man
2. Casting technician, engaged in manual emptying of the cupola
3. Furnace charger, charging cupola installation and furnace, engaged in manual charging of the furnace
4. Cast welder
5. Metal pouring man
6. Casting dresser, engaged in works with pneumatic tools
7. Metal and alloy smelter
8. Workers, engaged in hanging of hot cast on conveyor as well as in servicing and maintenance of machinery inside casting workshop tunnels

2. Welding works

9. Gas welder and electric welder of manual welding, working in workshops and closed tanks (cisterns and boilers); working on high-rise structures of communication services (towers, masts), with climbing works at height above 10 meters.

3. Boiler works, cold upsetting works, drawing and pressing works

10. Boiler maker

4. Metal coating and painting

11. Pressure-sealer, engaged in hermetic sealing inside caisson-tanks

12. Lead-plating worker, permanently engaged in lead plating (non-galvanizing)

5. Locksmith and bench-work and assembly

13. Pneumatic drilling-machine operator, operating a pneumatic equipment transmitting vibrations to the worker's hands.

14. Maintenance-fitter, engaged in setting and fitting works in the following workshops and units: hot-rolled works, pickling, enamelling, silicone-rubber varnish insulation works, lead plating in cable manufacturing.

6. Lead works

15. Workers, engaged in smelting, casting, rolling, spreading, forging of lead products, lead plating of cables and brazing of lead accumulator batteries.

Subchapter 1.2 Construction, installation and repair and refurbishment works

16. Ironworker, engaged in manual erection of carcasses, manual operation of bending machine tools and shears

17. Ground man

18. Brick mason

19. Compressed air worker in: pneumatic machine operation, shaft works, construction electrical works

20. Rolled strip roofer and piece material roofer

21. Steel deck roofer

22. Motor grader operator

23. Bulldozer operator

24. Bucket excavator operator, bucket wheel excavator operator

25. Operator of the oil-engine driven mobile electrical welding machine

26. Steel and reinforced concrete constructions erector in heights and climbing works

27. Communication and antenna technician working in heights

28. Refractory man, performing hot repair of boiler furnaces and ovens

29. Pipe layer of industrial reinforced concrete pipes

30. Lead solder

31. Pipe layer of industrial brick pipes

Subchapter 1.3 Mining works

32. Underground works in mining and quarrying industry, works in building of underground structures, except for workers and specialists not engaged in physical works, as well as workers and specialists performing physical works within the limits of physical threshold loads set for women.

33. Open pit mining works and works on the surface of in-use and in-construction mine sites and pits, beneficiation, agglomeration, palletising, except workers and specialists not performing physical works, as well as workers and specialists performing physical works within the limits of physical loads set for women.

1. General mining and mine development works

- 34. Drill runner of production and exploration boring works on oil and gas fields
- 35. Shotfirer, miner engaged in blasting operations
- 36. Miner in charge of fire prevention and fire fighting
- 37. Support haulage operator
- 38. Drilling machine runner, drilling machine runner assistant
- 39. Shaft timberman
- 40. Bit setter - toolsmith
- 41. Loading machine operator
- 42. Full hole drilling machine operator
- 43. Machine operator, assistant machine operator, operator of self-propelled heavy-weight vehicles (heavy-weight cars, haul trucks, earthmoving machines, excavators, tractors, bulldozers)
- 44. Manual car pushing and car putting dumper
- 45. Shaft man
- 46. Onsetter/banksman

2. General beneficiation, agglomeration and briquetting works

47. Crusher attendant, engaged in crushing of hot sinter in manufacturing of aluminium silicate, in briquetting operations

48. Kiln worker, engaged in the process of kiln roasting of ingoing and raw materials in mercury manufacturing

49. Workers and overseers of beneficiation and crushing-and-sorting plants, pits, mines and mining enterprises, engaged in crushing, grinding, milling and blending of ferrous, non-ferrous and rare-earth metal ores, metallurgical concentrate and fluoric slag which lead to generation of a 10 % or higher concentration high-silica dust.

50. Workers, working in lead beneficiation shops.

Subchapter 1.4 Exploratory and topographic-and-geodetic surveying works

51. Shot-firer

1. Well-drilling

- 52. Oil and gas exploratory and geodetic surveying driller
- 53. Rig-builder, rig-builder-welder, electrician rig-builder
- 54. Drilling machine runner
- 55. Cementing tool operator
- 56. Cementing unit operator
- 57. Cementing and sand-blender unit operator
- 58. Pipe pressure tester
- 59. Oil and gas exploratory and geodetic-surveying assistant-driller (derrick man and roughneck)
- 60. Drilling machine assistant-runner (motorhand and roustabout)
- 61. Drilling fluids engineer (mudman), engaged in manual mixing of drilling fluids
- 62. Drilling equipment maintenance man, engaged in repair of drilling equipment
- 63. Rig equipment maintenance man, engaged directly in servicing of the drilling site
- 64. Drill-pipe tool joint man
- 65. Electrician in charge of electric equipment repairs and electrician in charge of electric machinery servicing, engaged in maintenance and repair of technological machinery

2. Oil and Gas production

- 66. Floating drilling vessel driller
- 67. Workover operations driller
- 68. Fracturing unit operator
- 69. Subsurface well repair works operator
- 70. Preconditioning works for workover and subsurface well repairs operator
- 71. Down-the-hole treatment operator
- 72. Floating drilling vessel assistant driller
- 73. Workover operations assistant driller
- 74. Workers, managers and specialists, permanently employed in underground oil extraction
- 75. Workers, employed in works associated with application of methanol and acids
- 76. Assembling fitter on offshore drilling rig and racks
- 77. Oil and gas production equipment assembly, maintenance and repair technician

Subchapter 1.5 Iron and Steel Industry

1. General works of iron and steel industry

- 78. Ladle man, employed in molten metal works
- 79. Boilmaker, employed in continuous furnace and batch-type furnace works, as well as in roll making and pipe making pits
- 80. Pneumatic chipping tool operator

2. Blast furnace ironmaking

- 81. Blast-furnace operator
- 82. Blast-furnace pipeman
- 83. Blast-furnace keeper
- 84. Scale-car operator
- 85. Skip-car operator

3. Steel industry

- 86. Charging machine operator
- 87. Torpedo ladle operator
- 88. Blast-furnace blocks feeder
- 89. Deoxidizer smelter
- 90. Furnace helper at: converter, open-hearth furnace, direct reduction of iron, electro-slag remelting, arc furnace
- 91. Steel casting operator
- 92. Steel smelter at: converter, open-hearth furnace, direct reduction of iron, electro-slag remelting, art furnace

4. Rolling industry

- 93. Hot-roller
- 94. Sintering unit operator
- 95. Plate-steel loader
- 96. Charging machine operator helper
- 97. Rails accessories pressing and piercing machine operator
- 98. Guide setter, engaged in shape and bar production

5. Pipe-rolling

- 99. Operator of: sizing mill, hot rolling mill, forge welding mill, cold rolling mill, tube-forming mill
- 100. Non-mechanized wire drawing machine operator
- 101. Press pipe grader
- 102. Hammer and press machines toolsmith
- 103. Hot and cold rolled pipe roller helper

6. Ferroalloy industry

- 104. Ferroalloy furnace man
- 105. Ferroalloy smelter
- 106. Workers, engaged in extraction of metallic chromium and chromium alloys by aluminothermic reduction method
- 107. Workers engaged in direct current arc furnace smelting of silicon alloy

7. Coking industry

- 108. Gas collecting main operator
- 109. Doorman
- 110. Coke crusher operator
- 111. Lidman
- 112. Workers, directly engaged in manufacturing of benzene, its hydrotreating and rectification
- 113. Scrubber-pumper, engaged in servicing of by-product phenol recovery plant

114. Service technician engaged in maintenance of coke-batteries

Subchapter 1.6 Non-ferrous industry

1. Non-ferrous industry general works

115. Pourman, engaged in pouring of liquid into anode section in manufacturing of aluminium, silumin and silicon

116. Installing mechanic, engaged in making of cathode collector bar in manufacturing of aluminium, silumin and silicon

117. Smelter

118. Calcine furnace tender

119. Workers, directly engaged in manufacturing of tantalum, niobium, their compounds, and their finished products, when class 1 and class 2 hazardous chemicals are used.

120. Hard alloy sintering plant operator

121. Service technician, service technician in charge of maintenance of metallurgical and cement machinery, engaged in servicing of machinery in the main metallurgical workshops.

2. Manufacturing of non-ferrous and rare metals, non-ferrous metals powder

122. Titanium sponge casting technician

123. Metal pourer and caster

124. Cathode process technician

125. Blower

126. Condenser operator

127. Chemical reactor technician, engaged in mantling and dismantling of baths and ovens

128. Mercury cast technician

129. Titanium and rare metals reduction-oxidation and distillation furnace man

130. Titaniumferrous and rare metals processing furnace man

131. Workers and foremen, engaged in:

1) manufacturing of titanium tetrachloride;

2) workshops (sections and units) of titanium tetrachloride reduction and metal separation in manufacturing of titanium metal;

3) workshops of loparite concentrate chlorination;

4) sections (units) of titanium raw materials (slag) chlorination;

5) units of slag processing by fuming method (in tin manufacturing);

6) melting shops, as well as calcine/ashes processing shops in mercury manufacturing

132. Electrolytic bath sludge remover, engaged in manual cleaning of baths.

133. Molten salt pot operator

3. Manufacturing of beryllium, its compounds and finished products

134. Unit operator engaged in:

1) manufacturing of beryllium metal;

2) manual cleaning of pressure filters in manufacturing of beryllium dioxide;

3) manufacturing of ammonium fluoro-beryllium;

4) formation of beryllium oxide powder;

5) operations where beryllium oxide powder is used in making of beryllium oxide;

6) preparation of the furnace charge in beryllium hydro-oxide production;

7) fusion of charge materials in beryllium hydro oxide production;

8) ventilation system servicing

135. Worker (turner and scalper operator), engaged in mechanical treatment of beryllium, its compounds and beryllium oxide finished products

136. Worker on operations, requiring usage of antitack agents and wearing of individual protection suits

137. Service technician, engaged in servicing of technological and auxiliary machinery

4. Production of fuel for nuclear power plants

138. Unit operators, directly engaged in maintenance of technological process, except unit operators in depositing, extraction, pressing of fuel pallets, rectification of finished product, control and packaging; tallyman and dust and gas arresting installation servicing staff.

139. Mechanics foreman, electrician foreman, plumber foreman, foreman in charge of automated and semi-automated machinery, service technicians in charge of machinery maintenance, internal plumber, electrician.

Subchapter 1.7 Power plant and power grid repair

140. Cable lines repair and installation electrician, engaged in repair of litharge and brazed lead sleeves and sheaths cable holders

141. Overhead line repair electrician, engaged in climbing repair works of high voltage overhead lines

Subchapter 1.8 Abrasive manufacturing

142. Purer and balance tender of abrasive wheels, engaged in lead pouring on abrasive products

143. Bulldozer operator, engaged in hot dismantling of heated resistance furnace in abrasive production

144. Abrasive materials smelter

145. Silicon carbide smelter

146. Furnace bottom tender, engaged in corundum workshop

Subchapter 1.9 Electrical industry

1. Mechanic-assembly works and electro-technical general works

147. Mercury distillation worker

148. Mercury arc rectifier moulder

2. Electrical carbon materials production

149. Workers, engaged in melting of sinter

3. Cable production

150. Lead or aluminium cable moulder, engaged in hot lead moulding

151. Cable sheath remover, engaged in removing of lead sheath

4. Electrochemistry

152. Lead-base alloy founder

153. Dry matter mixer (for lead batteries)

154. Lead-base alloy and lead-containing waste smelter

155. Storage battery-plate cutter, engaged in forging-separation of forged lead plates

Subchapter 1.10 Chemical industry

156. For reproductive age women - works involving usage of Hazard class 1 and Hazard class 2 chemicals, except assistant chemists engaged in servicing of main manufacturing processes

1. Chemical industry general works

157. Melting unit operator, engaged in sinter melting and refinement

158. Operator of rubber softening and steam-heating unit

2. Production of yellow and red phosphorus and their derivatives

159. Workers, management and specialists, directly engaged in servicing of shaft and slot furnace, roasting kiln and sinter furnace; granulation of fines in electric fuming of phosphorus, filling of phosphorus tanks, servicing of phosphorus storage tanks, phosphorus sludge, sludge distillation and processing of semi-molten slag

3. Manufacturing of phosphorus trichloride and phosphorus pentasulphide

160. Workers, management and specialists, engaged in the main technological process

Subchapter 1.12 Processing of oil, gas, shale, coal, manufacturing of synthetic oil products, petroleum oils and lubricants

161. Coke-loader

162. Tube-type furnace cleaner

163. Workers, engaged in extraction workshops and aromatic hydrocarbons separation units

164. Workers, engaged in preparation of arsenic solutions in purification of sour petroleum gas

165. Workers, management and specialists, engaged in technological process of petrol leading

166. Workers, engaged in servicing works inside pressure vessels and drain vessels used for disposal of oil and gas processing waste

167. Workers, engaged in scheduled gas and explosive hazardous operations in a high hydrogen sulphide content environment

Subchapter 1.13 Manufacturing of cellulose pulp, paper, cardboard and finished products

- 168. Acid vessel brick-liner
- 169. Chlorination unit worker

Subchapter 1.14 Cement production

- 170. Workers, engaged in cleaning of cement slurry tank and screening washmills

Subchapter 1.15 Stone working and stone-cast production

- 171. Stone caster
- 172. Mill operator, engaged in crushing of diabase chip into powder.
- 173. Stone processing machinery set up operator

Subchapter 1.16 Production of reinforced concrete, concrete finished products and structures

- 174. Concrete and reinforced concrete stone-cutter

Subchapter 1.17 Heat-insulation production

- 175. Bitumen worker
- 176. Cupola furnace man

Subchapter 1.18 Manufacturing of soft roof and hydro-insulation materials

- 177. Cooking boiler loader

Subchapter 1.19 Textile and consumer goods industry

1. Textile production

- 178. Slasher sizing machine operator, engaged in non-mechanized lifting and removing of rollers
- 179. Emergency repair-recovery works technician, engaged in cleaning of sewer trenches and drain shaft
- 180. Card stripper and card grinder

Subchapter 1.20 Food industry

1. Food manufacturing

- 181. Diffusion unit operator, who services batch diffusors in manual loading
- 182. Ice prepcook, engaged in making of ice in water reservoirs and forming them into ice mounds

2. Meat products manufacturing

- 183. Slaughterer, performing the following operations:
 - 1) stunning, shackling and bleeding of big cattle and small ruminants and pigs;
 - 2) manual evisceration, skinning of big cattle;

- 3) carcass splitting;
- 4) scalding and singeing of pig carcasses and heads;
- 5) horizontal method dressing of big cattle;
- 6) fleshing;
- 7) cattle skin processing

Subchapter 1.21 Railway transport and metro service

- 184. Engine-driver of: diesel-powered train, diesel locomotive, diesel-electric train, electric train
- 185. Gasoline locomotive driver, assistant gasoline locomotive driver, rail trolley operator
- 186. Rail trolley operator assistant, working on wide-gauge railway tracks
- 187. Assistant driver of: diesel locomotive, diesel-electric train, electric train
- 188. Shunting master, assistant shunting master
- 189. Overhead equipment electrician, engaged in climbing works on electrified railway
- 190. Track serviceman
- 191. Car inspector and repair man

Subchapter 1.22 Inland water transport

- 192. Loader, dock engineer (except dock engineer, constantly engaged in crane operation, driving of intra-port vehicles and workers, servicing continuous functioning machinery on cargo handling, except cargo with Class 1 and Class 2 hazardous substances))
- 193. Boiler installation operator (greaser) of a solid fuel vessel
- 194. Sailors on all types of passenger and cargo vessels (except vessels with hydrofoil wing and skimming vessels, as well as vessel operating intraurban and suburban routes), dredging shovel, dredge-pump and mixed river-sea navigation vessels
- 195. Crane-operator (craner) on a crane boat

Subchapter 1.25 General works applicable to all industries

- 196. Antenna and mast technician
- 197. Bitumen cooker operator
- 198. Motorsleigh driver
- 199. Professional diver
- 200. Gas rescue professional
- 201. Airborne fire fighter, smoke-jumper
- 202. Mercury batcher, proportioning mercury manually in an open container
- 203. Cleaver, engaged in manual labour
- 204. Boilerman, engaged in servicing of hot boilers
- 205. Boiler cleaner
- 206. Painter, engaged in painting inside vessels, with application of lead, aromatic and chlorinated hydrocarbons containing paint and lacquers, as well as airbrush painting of large-scale items in closed chambers using above-mentioned paints and lacquers
- 207. Offshore crane operator (craner)
- 208. Boiler house operator (greaser), engaged in servicing of hot-water boilers with manual loading
- 209. Crane boat engine room staff

210. Workers, engaged in works:

- 1) with open container metal mercury (except those working on units and semi-automated units with effective air change at workplace);
 - 2) cleaning of vessels (reservoirs, gauging tanks, cisterns, barges) previously used for sulphur crude oil, its products and sour petrol gas;
 - 3) related to direct method of firefighting;
 - 4) cleaning, scrubbing and painting of marine and railway cisterns, marine liquid fuel tanks and oil-carrying vessels, cofferdams, fore- and afterpeaks, chain bins, double-bottom spaces and between-hull spaces and other hard-to-reach places;
 - 5) building of gasoline and ethyl fluid compounds;
 - 6) cleaning of mercury arc rectifiers during installation, repair and servicing of overhead wiring, as well as aerial power lines combined with climbing works above 10 m high;
 - 7) Servicing of watercrafts, dredging shovels while performing marine tacking works
211. Emergency and rescue technician, engaged in sewer system cleaning works
212. Rigger, engaged in installation and dismantling of equipment
213. Cleaner

Chapter 2. Threshold norms for manual lifting and moving of weights for women

№	Nature of works	Threshold maximum weight
1	2	3
1.	Lifting and moving (one-time) of weights alternating with other works (up to 2 times an hour)	10 kg
2.	Lifting and moving (one-time) of weights continuously during an operating shift	7 kg
3.	Volume of the dynamic work, performed during every hour of the operating shift when moving a weight for the distance between 1 to 5 meters shall not exceed: -when lifted from the working surface -when lifted from the floor level	1750 kg/meter 875 kg/meter

Reservations:

1. The mass of lifted and moved weight includes mass of the tare and packaging.
2. When moving the weights by carts or in container, the applied effort shall not exceed 10 kg.