

List of needed equipment to recover DTEK energy thermal power plants



DTEK would appreciate the support to restore the destroyed thermal generation by the provision of grant financing required to produce critically needed equipment, indicated below:

#	Item name and specification	Quantity	Unit price, mln \$	Costs, mln \$
1	Generator 300 MW	2	24	48
2	Turbine 300 MW	1	30	30
3	Power unit control system + TCS + turbine excitation system	2	2,1	4,2
4	Auxiliary transformer 40 MVA	1	0,8	0,8
1	Auxiliary transformer 35 MVA	5	0,55	2,75
2	Power unit transformer 250 MVA 220 kV / 15.75 kV	2	2,5	5
3	Power unit transformer 250 MVA 330 kV / 15.75 kV	1	2,5	2,5
4	Generator 200 MW	2	16	32
5	Other equipment to recover power unit #9	1	11,6	11,6
6	Autotransformer 240 MVA / 330 kV / 220 kV / Yauto/d-11	1	2,3	2,3
7	Autotransformer 210 MVA / 400 kV / 330 kV / Yauto/d-11	3	2,6	7,8
8	Autotransformer 133 MVA / 400 kV / 220 kV / Yauto/d-11	1	2,3	2,3
1	Equipment to recover power unit #8	1	4,83	4,83
2	Power transformer 200 MVA / 220 kV	1	1,95	1,95
1	Power transformer 250 MVA / 150 kV / 18 kV	1	2,9	2,9
2	Autotransformer 400 MVA / 330 kV / 150 kV	2	3,2	6,4
1	Autotransformer 250 MVA / 330 kV / 150 kV	2	3,5	7
2	Power transformer 400 MVA / 154 kV / 20 kV	1	3,4	3,4
3	Generator 300 MW	1	24	24
4	Turbine 300 MW	1	30	30
5	Auxiliary transformer 32 MVA / 20 kV / 6,3 kV	1	0,55	0,55
6	Start-up and backup transformer 32 MVA / 150 kV / 6,3 kV / 6,3 kV	1	0,55	0,55
7	Excitation transformer 20 kV / 0,4 kV	1	0,1	0,1
			Subtotal:	230,93
			Recovery works:	119,07
			Total:	350