

Table 1

The initial purchase price of WAT samples obtained from the results of bidding in the second half of 2015 according to [9–11]

№p/p	Name of template Wat	A CE value of DGU	The initial price, (actual) thousand rubles
1	URAL 4320-0710-31	1,12	1900,000
2	URAL 4320-0710-31	1,26	1940,000
3	URAL 4320-0710-31	1,80	1850,000

Table 2

Initial data for calculation of initial purchase price WAT samples using [3]

The name of the parameter	Name of template WAT	Notation the values of parameter	option value	
			Min, thousand.	Max, thousand.
The price of the underlying sample analogue [9–11]	URAL-4320-31	$\bar{C}_{оп}$	1300,00	1800,00
The coefficient characterizing the change in customer expenditure at the transition from the baseline sample to assess	from URAL-4320-31 to URALS-4320-0710-31	k_C	1,10	
The number of samples supplied at the stage of development of production	URAL-4320-0710-31	$N_{оп}$	1,00	
The average cost of a sample-analogue for the steady stage of production	URAL-4320-31	$C_{уп}^B$	1550,00	
The average cost of a sample-analogue with E_C DGU=1,12 at the stage of commercial production	URAL-4320-31	тыс. руб. $C_{оп}^B$	1400,00	
The average cost of a sample-analogue with E_C DGU=1,26 at the stage of commercial production	URAL-4320-31	тыс. руб. $C_{оп}^B$	1600,00	
The average cost of a sample-analogue with E_C DGU=1,80 at the stage of commercial production	URAL-4320-31	тыс. руб. $C_{оп}^B$	1570,00	
Number of supplied samples in the development phase of production	URAL-4320-0710-31	$N_{оп}$	1,00	
The number of samples supplied at the stage of steady production	URAL-4320-0710-31	$N_{уп}$	1,00	
Coefficient standard production	URAL-4320-0710-31	$k_{сер}$	1,3	
The coefficient characterizing the ratio of the sample at steady-state production to its price in the development phase for the sample with E_C DGU =1,12	URAL-4320-0710-31	$k_{уп} = \frac{C_{уп}^B}{C_{оп}^B}$	1,1	
The coefficient characterizing the ratio of the sample at steady-state production to its price in the development phase for the sample with E_C DGU =1,26	URAL-4320-0710-31	$k_{уп} = \frac{C_{уп}^B}{C_{оп}^B}$	0,968	
The coefficient characterizing the ratio of the sample at steady-state production to its price in the development phase for the sample with E_C DGU =1,80	URAL-4320-0710-31	$k_{уп} = \frac{C_{уп}^B}{C_{оп}^B}$	0,987	

Table 3

The results of the calculation of the initial price of samples of WAT "URAL-4320-0710-31" with different values of $E_{C\text{ DGU}}$. The comparison of the calculated results with the actual initial price of the auction conducted in the second half of 2015

№ p/p	Name of template	Sample-analog	Values $C_{E\text{ DGU}}$	Indeed cal start price, thousand	The initial price by Mr thousand		The deviation of the actual initial price of the auction from those calculated by MR, %	
					MIN	MAX	MIN	MAX
1	URAL-4320-0710-31	URAL-4320-31	1,12	1900,00	2044,90	2831,40	+7,6%	+49,0%
2	URAL-4320-0710-31	URAL-4320-31	1,26	1940,00	1799,51	2491,63	-7,2%	+28,4%
3	URAL-4320-0710-31	URAL-4320-31	1,80	1850,00	1834,83	2540,00	-0,82%	+37,3%

Table 4

The results of the calculation of the deviations of the initial price WAT samples using the developed EMM from the actual values of the initial price for the trading conducted during the second half of 2015

№ p/p	Name of template	A C_E value of DGU	The initial purchase price using the method developed thousand	The actual initial purchase price, thousand	deviation, %
1	URAL-4320-0710-31	1,12	2100,000	1900,000	+10,5%
2	URAL-4320-0710-31	1,26	2189,000	1940,000	+12,8%
3	URAL-4320-0710-31	1,80	1889,160	1800,000	+4,9%

Table 5

A comparison of the deviations of the initial price determined by the MR and by using the new method and the actual values of the initial price at the auction in the second half of 2015

№ p/p	Name of template	A C_E value of DGU	The rejection, %		
			The rejection of the initial price determined using the IR from the actual values of the initial price	The rejection of the initial price determined using the method developed from its actual values	
1	URAL-4320-0710-31	1,12	+7,6%	+49,0%	+10,5%
2	URAL-4320-0710-31	1,26	-7,2%	+28,4%	+12,8%
3	URAL-4320-0710-31	1,80	-0,82%	+37,3%	+4,9%