

:

, 20,

:

:

4727/9; 4727/13; 4728/7; 4728/8; 4728/21; 4728/33; 4742/5;

, ,

: ( )

:

1/ 3

:

:

..

, 8

:

:

:



:

, . . .

:

371 458 13

:

:



:

2023 053- - 04

:

, 2025.

## 1.2

	<b>1</b>
<b>1.</b>	
1.1.	
1.2.	
1.3.	
1.4.	
<b>1.5.</b>	
1.5.1.	–
1.5.2	
1.5.3	
1.5.4	
1.5.5	) (
1.5.6	
1.5.7	
1.5.8	, , ,
1.5.9	
1.5.10	
1.5.11	
<b>1.6.</b>	
	<b>2</b>
<b>1.7.</b>	

:

№ п/п	Наименование	Код
1.	-	001- - 04
2.	-	002- - 04
3.		003- - 04
4.	-	004- - 04
5.	-2.80 - /	005- - 04
6.	0.00/ +3.07 - /	006- - 04
7.	+7.40 - /	007- - 04
8.	+11.46 - /	008- - 04
9.	+17.40 - II/	009- - 04
10.	+22.40 - . II/	010- - 04
11.	+27.40 - . I/	011- - 04
12.	+31.40 - . II/	012- - 04
13.	-	013- - 04

### 3

1.1.	
1.2.	
1.3	
1.3.1.	
1.3.2	
1.3.3	

## 1.3

128. (" , .  
72/2009, 81/2009- , 64/2010 , 24/2011, 121/2012, 42/2013 – ,  
50/2013 – , 98/2013 – , 132/2014, 145/2014, 83/2018, 31/2019,  
37/2019 – , 9/2020, 52/2021, 62/2023) ,  
( " , . 96/2023) :

,  
4727/9; 4727/13; 4728/7; 4728/8; 4728/21; 4728/33; 4742/5;  
, , " , ,

, . . . 371 458 13

: . .  
 , 8  
 / :

: 

: 2023 053- - 04  
 : , 2025.

1.4

4727/9; 4727/13; 4728/7; 4728/8; 4728/21; 4728/33;  
4742/5;

) 12204-LOCH-2/2024, \* (ROP-MSGI-  
24.6.2024. ) : 001475348 2024 14810 005 001 000 001 :

) , ;

) je a

:  
371 458 13

:  


: 2023 053- - 04  
: , 2025.

## 1.5.1 -

002051762 2024 14850 003 002 501 060, 31.10.2024.

,  
:

: 4727/9; 4727/13; 4728/7; 4728/8; 4728/21;  
4728/33; 4742/5;

,  
,  
,  
,  
,  
.

(,, " . 135/04 36/09, 72/09, 43/11,  
14/16, 76/18, 95/18)  
(,, " . 69/05).

,  
:  
)  
1.5.1.  
,  
,  
,

)  
1.5.2.  
,

)  
1.5.3.  
)  
1.5.4.

;  
)  
1.5.5.

;  
)  
1.5.6.

;  
)  
1.5.8.

;  
)  
1.5.9.

;  
)  
1.5.10.

;  
)  
1.5.11  
3

)  
1.5.12  
.

) 1.5.12. ;  
 ) 1.5.13. ;  
 ) 1.6. ;  
 ) 1.7. , .  
 1.5.9. , , ,  
 ( 1.5.10.)  
 :  
 ) :  
 ➤  
 ➤  
 ➤  
 ➤  
 ➤  
 ➤  
 ➤  
 ) :  
 ➤  
 ➤  
 ➤  
 ➤  
 ) :  
 ➤  
 ➤  
 ➤  
 ) ( , ,  
 , ) .

4728/21; 4728/33; 4742/5; : 4727/9; 4727/13; 4728/7; 4728/8;

, :  
 ) II , 12. ,  
 1) 25.000 -  
 52 000 (52 241)  
 ) II , 12. ,  
 1 -  
 1000 - , ( 292  
 ) - 49,  
 - 3323, - 145,  
 - 242, - 33,  
 - 49, - 40,  
 - 45

:  
 ) II , 5.  
 , 2) ,  
 500m3 - 18 m3  
 -



a) \_\_\_\_\_

:

:

,

20,

17862146

:

108213413

e-mail:

sonja.bakracevski@mfin.gov.rs

064 815 3211

(

):

, . . ., 063 370 125, [jelena.andrejic@masinoprojekt.co.rs](mailto:jelena.andrejic@masinoprojekt.co.rs)

, . . ., 063 325 886, [vladan.lutrov@masinoprojekt.co.rs](mailto:vladan.lutrov@masinoprojekt.co.rs)

318.136 m<sup>2</sup>.

292

,

N 4957770 E 443753.

260

.

-

.

b)

;

:

) 64/10 , 24/11 121/12, 42/13- , 50/2013- , 98/2013- , 132/14, 145/14, 83/18, 31/19, 37/19- . 09/2020, 52/2021, 62/2023)

) 36/09 – , 72/09 – , 43/2011 – 14/16, 76/18, 95/18 – 95/18 – ;

) 36/09; . 135/04

) , . 36/09, 10/2013 26/2021;

) , . 96/2021;

) . 111/09 20/15, 87/18 –

) , 87/2018 87/2018 – ;

) . 36/09, 88/10, 91/10 14/16 95/18

) – ; 71/2021

) . 30/10, 93/12, 101/16, 95/18 95/18 –

) ;

) , . 35/2023;

) , 6/20 - , 35/21 - . 71/94, 52/11 - , 99/11-3 - , 76/23 - ;

) , 35/23; . 36/09, 88/10 14/16 95/18 –

) . 54/15) ( „ . ”,

) ( „ . ” . 36/09, 95/2018)

) . 69/05;

) , . 69/05;

) . 18/24

) ( “ ” . 8/95):

) 102/2020, 122 /2020 - , 90 /2021.

) . 56/10, 93/2019, 39/2021, 65/2024;

) . 17/17;

) ( “ . “ 7/2020 79/2021)

) , ( „ .

) ”, . 92/10 77/21)

) ( 38/89 118/2014)

)

) . 114/08;

) . 11/2010, 75/10 63/13;

) , , ,

) . 75/10;

) (" . , . 88/2020)

) (" . , . 67/2011, 48/2012 1/2016)

) (" . , . 50/2012)

) , 5 / 1968.

) (" . , . 24/14

) , Beoexpert design,

) <https://monitoring.beograd.gov.rs/Map> -

) [https://www.beograd.rs/lat/sekretarijat-za-zastitu-zivotne-sredine\\_3/1746715-podaci-o-kvalitetu-cinilaca-zivotne-sredine/](https://www.beograd.rs/lat/sekretarijat-za-zastitu-zivotne-sredine_3/1746715-podaci-o-kvalitetu-cinilaca-zivotne-sredine/) -

) [https://www.meteoblue.com/sr/vreme/historyclimate/climatemodelled/sur%c4%8din\\_%d0%a1%d1%80%d0%b1%d0%b8%d1%98%d0%b0\\_785288](https://www.meteoblue.com/sr/vreme/historyclimate/climatemodelled/sur%c4%8din_%d0%a1%d1%80%d0%b1%d0%b8%d1%98%d0%b0_785288) -

) -

)

) EXPO ( ) - 2027, -

) a a - 1

) -

) e -

## 1.5.2

a) \_\_\_\_\_  
\_\_\_\_\_

b) \_\_\_\_\_ m<sup>2</sup>  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_, 15 km \_\_\_\_\_ 5,0 km  
" " \_\_\_\_\_  
\_\_\_\_\_, \_\_\_\_\_  
\_\_\_\_\_, \_\_\_\_\_

**4727/9; 4727/13; 4728/7; 4728/8; 4728/21; 4728/33; 4742/5**

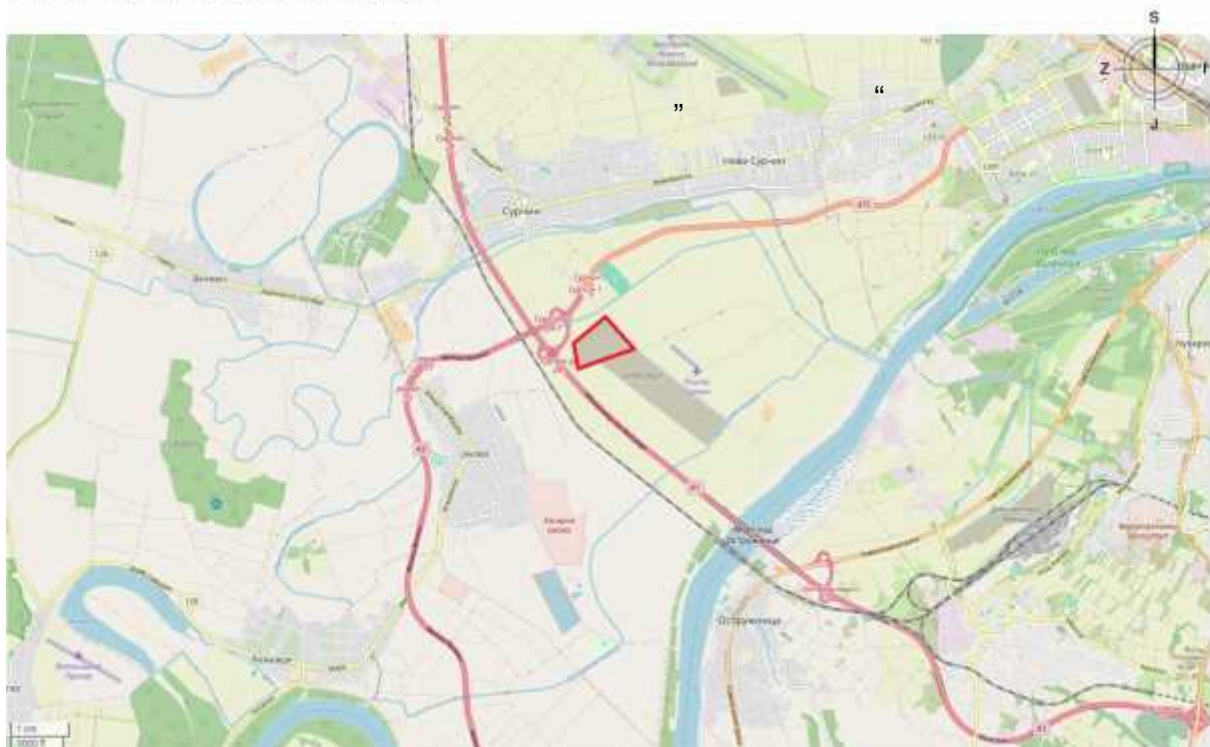
318.136 m<sup>2</sup>.

292 \_\_\_\_\_

N 4957770 E 443753.

260

2.1 \_\_\_\_\_ ( \_\_\_\_\_ )  
объекта Националног стадиона.



.2.1.

.2.1

.2.1.

		, m <sup>2</sup>	, m <sup>2</sup>
1	-2.80	8914,29	10578,03
00	0.00/ +3.07	22050,20	25326,26
01	+7.40	14602,6	16193,11
02	+11.46	11764,08	14373,85
03	+17.40	9912,01	11849,98
04	+22.40	3461,82	3805,97
05	+27.40	4555,18	9306,66
06	+31.40	875,02	1203,10
		76135,23	92636,96

( 0.00) 77.60,  
74.80 ( -2.80).

) 1 - i -  
) 2 -  
) 4 -

) 1 - / 2 ( )  
) 1 - / 1 ( )  
, VIP VVIP , /  
) 1 - / VIP 1 ( )  
) 1 - / 1 ( )  
, VVIP , TV  
) 1 - 1 ( ) 1 ( )  
) 2 - / 1 ( )  
) 2 - 1 ( )

$\frac{1}{4} - 1( ) 1( )$

,  
 ,  
 .  
 -  
 .

2 .

-

.

c) \_\_\_\_\_

,  
 ,  
 ,  
 ~ 69-74 mnv,  
 ( 2-3° ).  
 ,  
 e  
 ,  
 .

e .

( ) -  
 ,  
 -  
 .  
 -  
 .

60 m. ( )  
 ( )  
 -  
 .  
 .2.2 .



(1938),

.

,

,

.

,

,

,

.

( ( , ),  
( . ).

,

(

,

),

.

,

,

35

65 m

.

( ,  
(

(

),

(

).  
)

,

,

,

,

,

-

.

,

,

.

,

.

,

( )

.

:

)

(

)

)

.

(

)

”

“

”

Corbicula fluminalis“

( , 1938,  
(1938), , 1977).

,

.

,

,

.

,

,

,

.

.



( ( , ),  
( . ).  
, ( ,  
), .

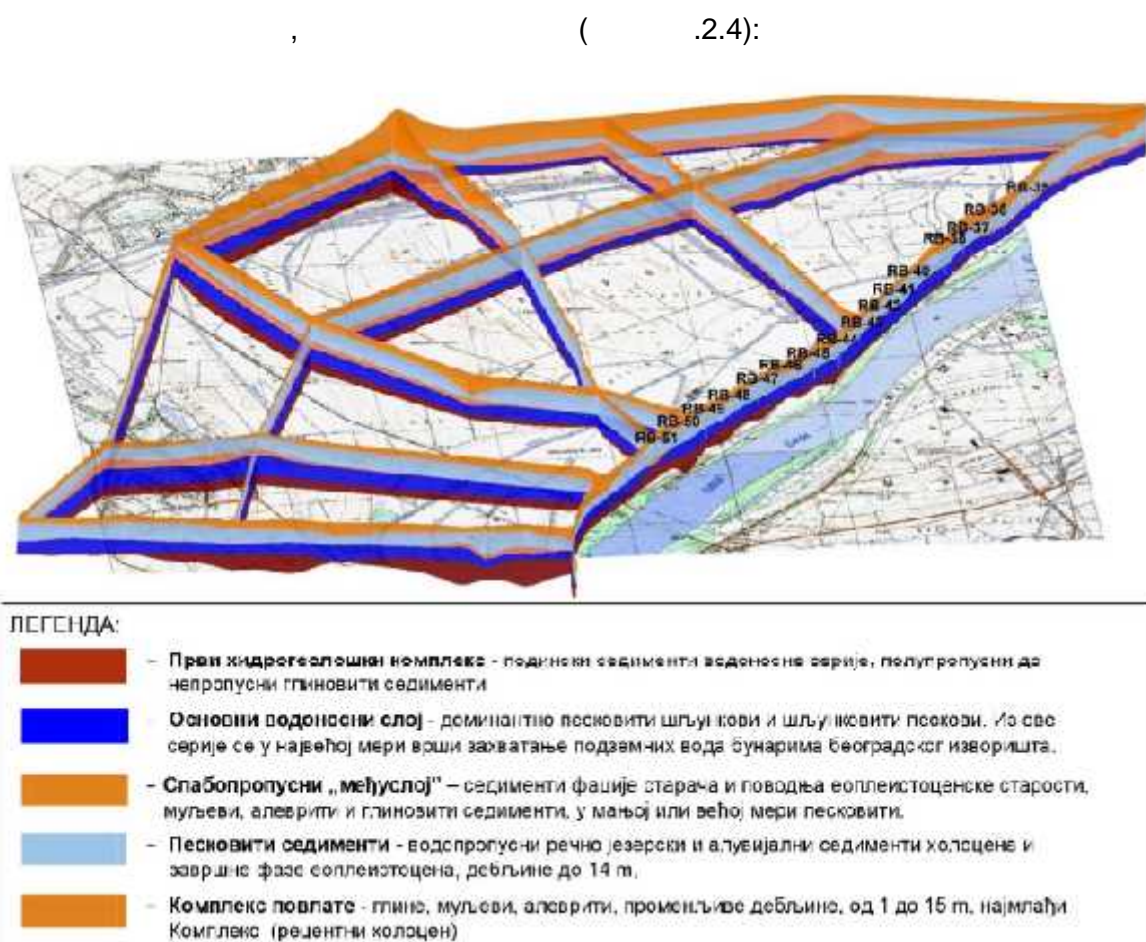
65 m . 35  
( ,  
( ),  
( ).

,  
. , 1938. , 1977,  
,  
:  
)  
)  
( )  
( )  
,  
,  
,  
.  
.2.3



10<sup>-4</sup> – 5x10<sup>-5</sup> m/s). ( K<sub>f</sub> =

- , .  
- ( , 2005 – 2010).



.2.4.:

+ 50 m      35 m,      13 (      ) + 2 (      )      25.0m.      355.0  
 ,      2 (      )  
 131      116 mm.  
 Comacchio GEO.      Fraste Multidrill PL,  
 1 m



.2.5.:      Comacchio GEO 405



.2.6: *FRASTE MULTIDRILL PL*

.2.2.

.2.2:

	Y	X	(mnv)	(m)	(m)
BSN-1	7 444 043	4 958 865	72.50	25.0	2.00
BSN-2	7 444 141	4 958 871	72.45	35.0	2.10
BSN-3	7 444 241	4 958 870	72.36	25.0	2.10
BSN-4	7 444 092	4 958 823	72.30	25.0	2.00
BSN-5	7 444 192	4 958 825	72.34	25.0	2.10
BSN-6	7 444 048	4 958 774	72.50	25.0	2.00
BSN-7	7 444 137	4 958 772	72.70	25.0	2.10
BSN-8	7 444 240	4 958 772	72.43	25.0	2.00
BSN-9	7 444 087	4 958 725	72.95	35.0	2.00
BSN-10	7 444 191	4 958 727	72.40	25.0	2.00
BSN-11	7 444 046	4 958 678	73.20	25.0	2.00
BSN-12	7 444 144	4 958 686	72.80	25.0	2.00
BSN-13	7 444 235	4 958 670	72.40	35.0	2.00
BSN-14	7 444 201	4 958 623	72.43	25.0	1.30
BSN-15	7 444 291	4 958 716	72.21	25.0	1.50

5

BNS-2, BNS- 5, BNS-6, BNS-10 i BNS-11.





(<http://www.seismo.gov.rs/>)

–  $I_{\max}$  – Acc(g) (EMS-98),  
95, 475 975

.2.3.

.2.3:

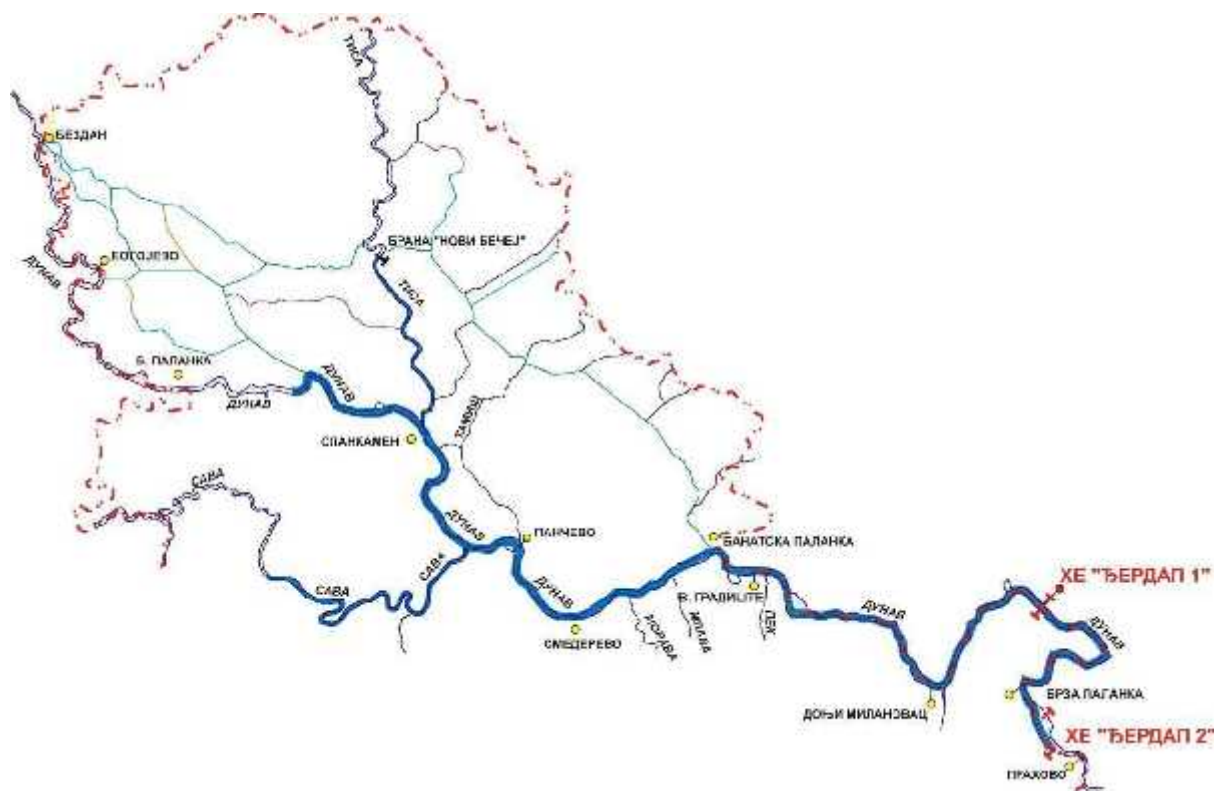
	( )		
	95	475	975
Acc(g) max.	0.06	0.1	0.1
$I_{\max}$ ( S-98)	VI-VII	VII-VIII	VII-VIII

d) \_\_\_\_\_ ( \_\_\_\_\_ , \_\_\_\_\_ )  
\_\_\_\_\_ )

“.”  
” a a - , 2022  
) e -

200 km.

1“,  
( .2.8)



.2.8:

„

1“

,

.2.4).

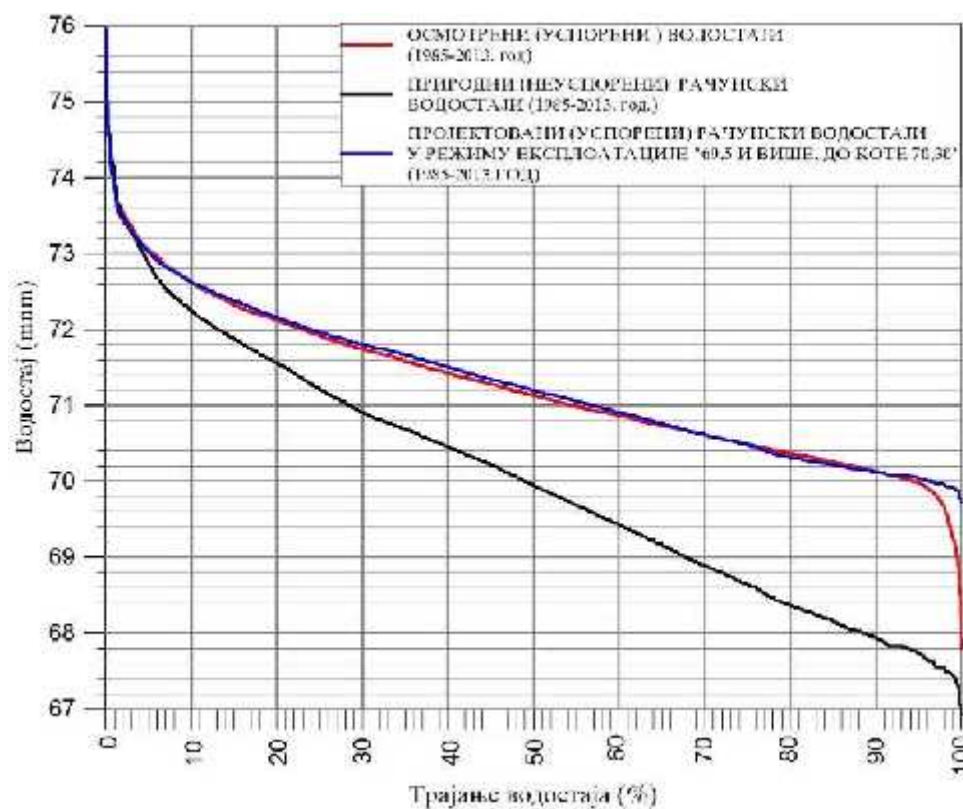
.2.4:

:

km		Fsliva (km <sup>2</sup> )	“0” (m n.m)
0+500	1920	95.719	68,28

8,0 m.	67,5-75,5 m	7,5-
69,85 m	(50% )	
	10%	72,15 m
	(„68/63“ „69,6/63“)	1“
m	“)	(„ 70,30
		1985-2020
5,7 m.	69,8- 75,5 m	5,0-
	(50% )	71,1 m
	10%	72,6 m
	“	1“
	1,25 m,	10%
0,45 m		.(





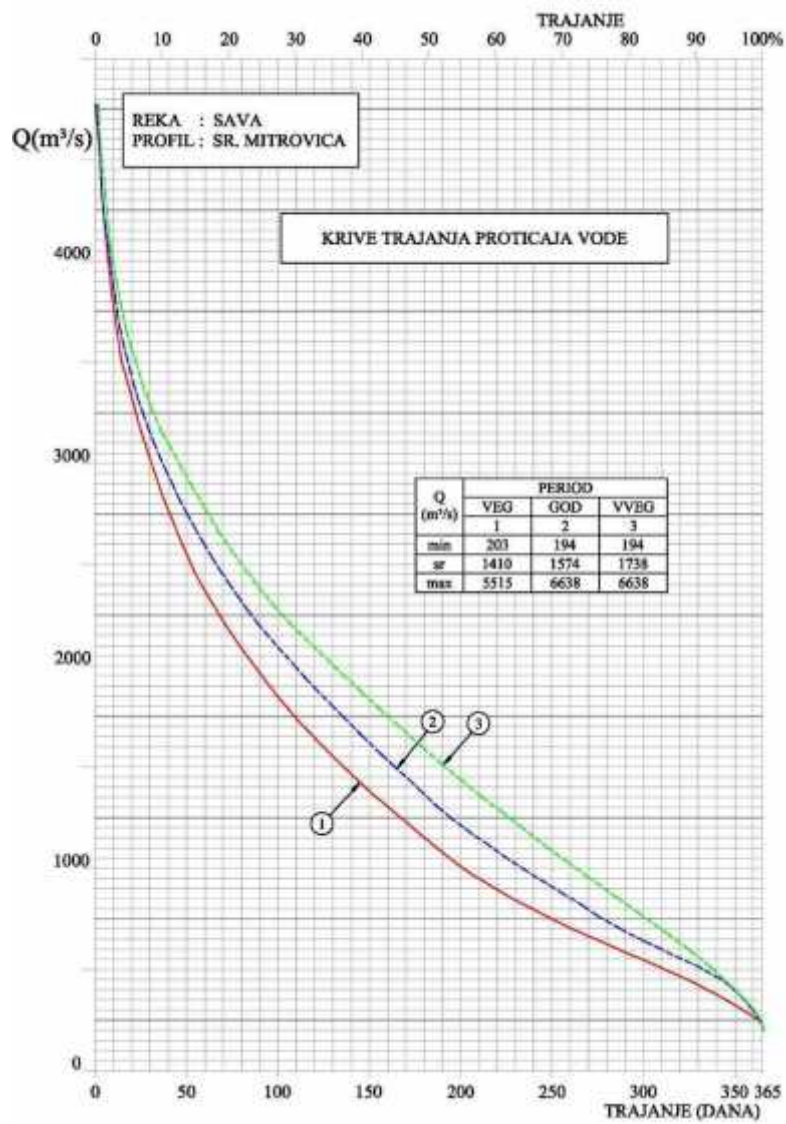
2.1 :  
1985.-2013.

( 2.5 )  
( : 2.5 )

	(km <sup>2</sup> )					
				1%	2%	
1931-2013	87996	Q	1575	6571	6163	289
		q	17,90	74,67	70,04	3,28

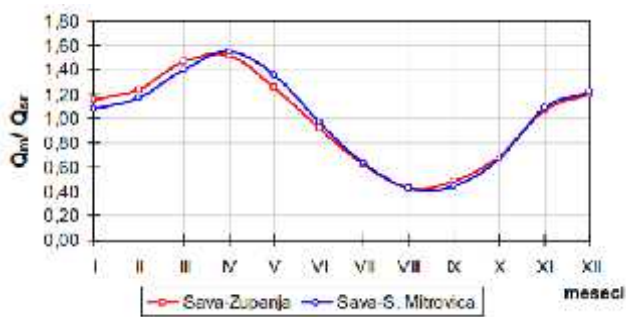
Q – (m<sup>3</sup>/s)

q – (L/s km<sup>2</sup>)



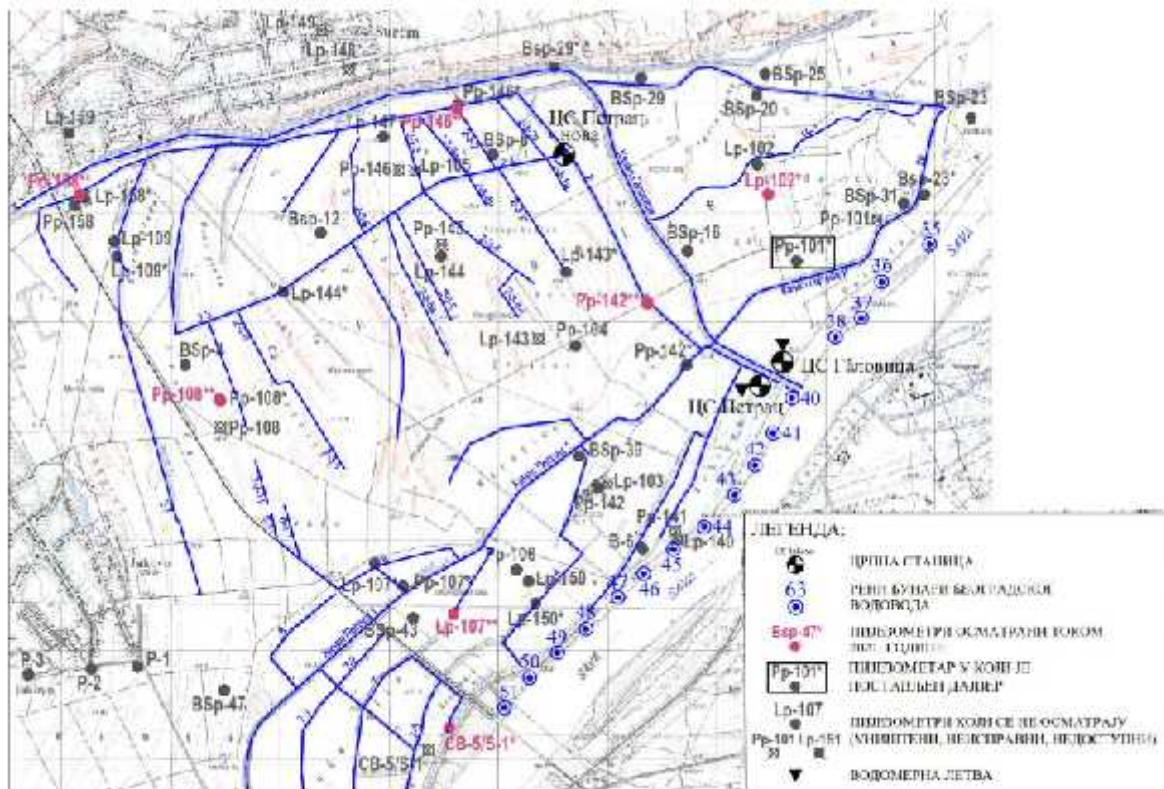
.2.2:

( ).  
( .2.3).



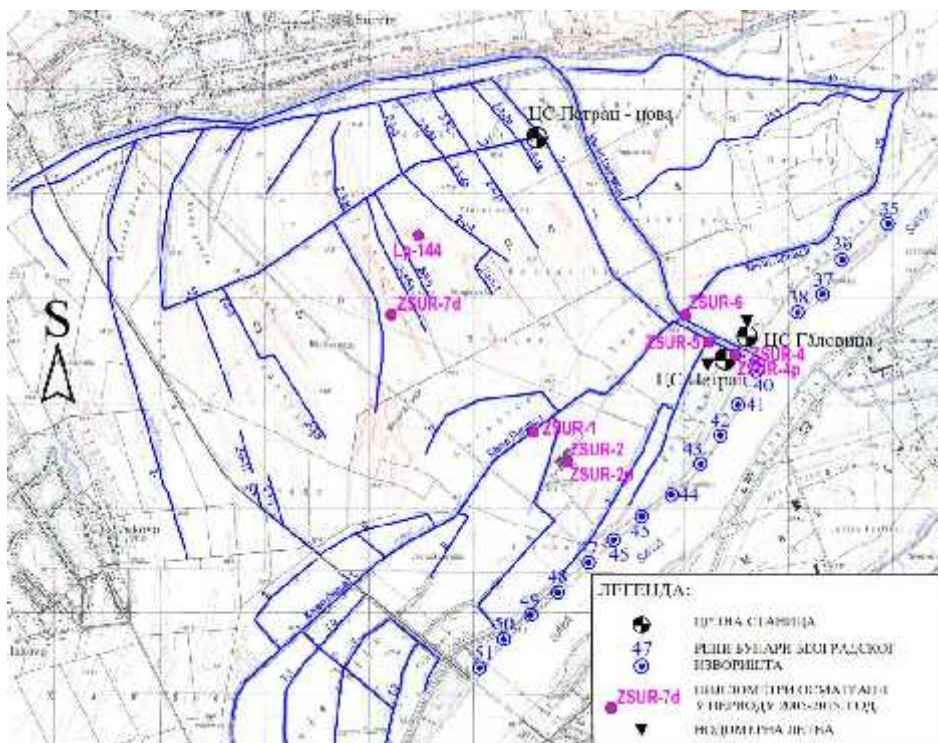
.2.3 .





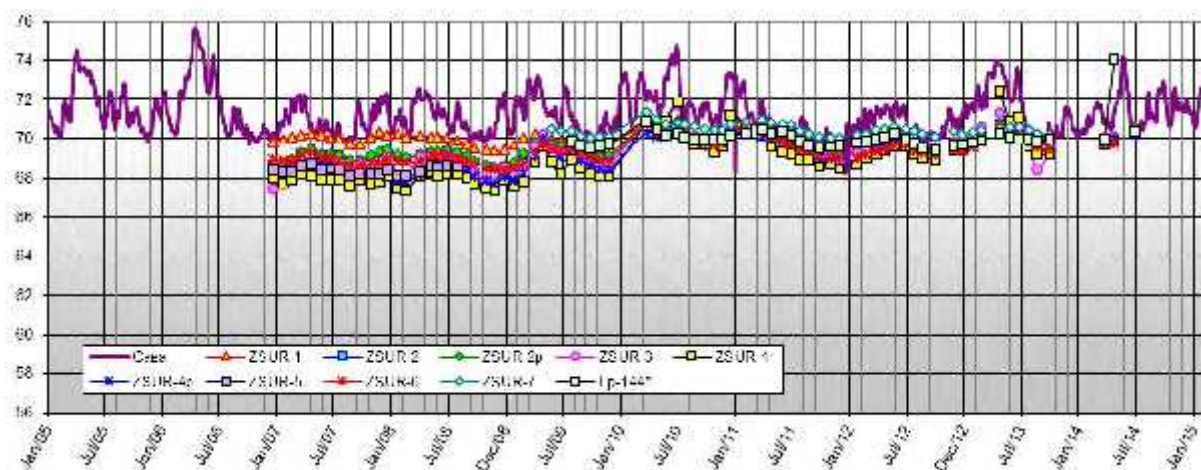
.2.9 : ( I II )

( 2005-2015 ; .2.10 .2.4, .2.5).



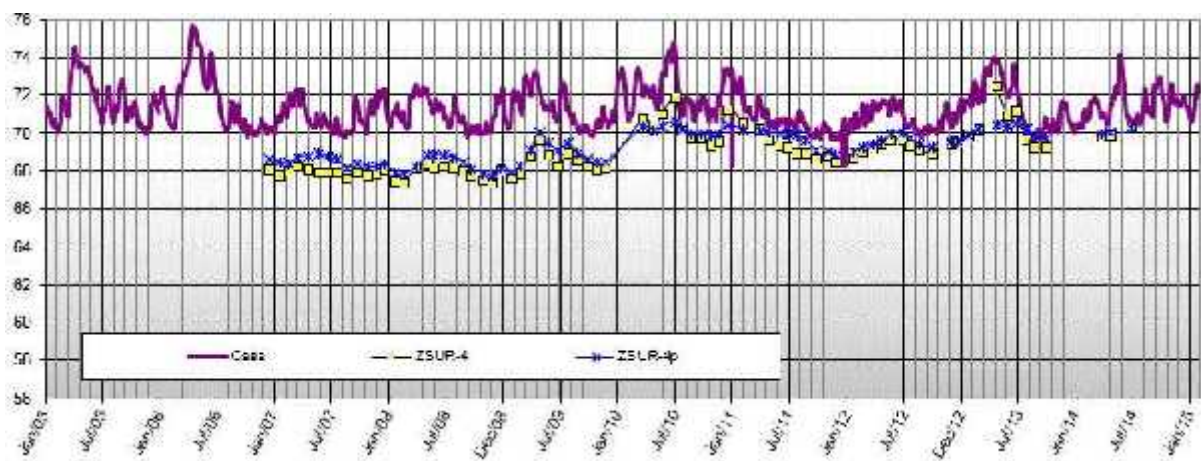
.2.10. 2005-2015. ( I II )





.2.4:

( )



.2.5:

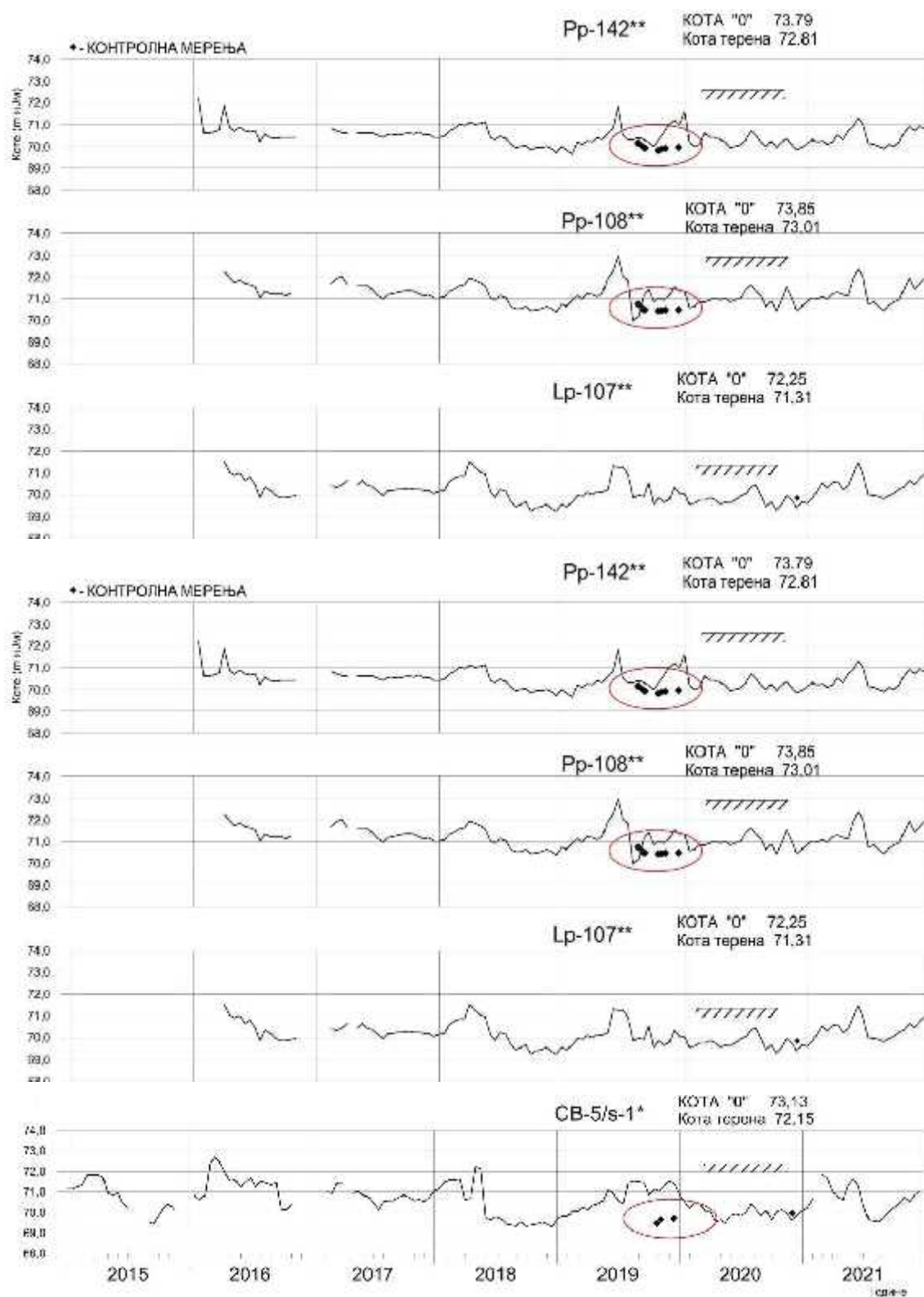
( )

. ( 2 m 2009. ).

( 0,5 m , 1,5 m ).

, 2,0 m,

( .2.6).



.2.6:

5/S-1\*,

Pp-108\*, Lp-107\*\* CB-

( Pp-108\*, ).

73,0 m , 2006.,  
CB-5/S-1\*,

0,5 m.

( ),

km 0 - 57),

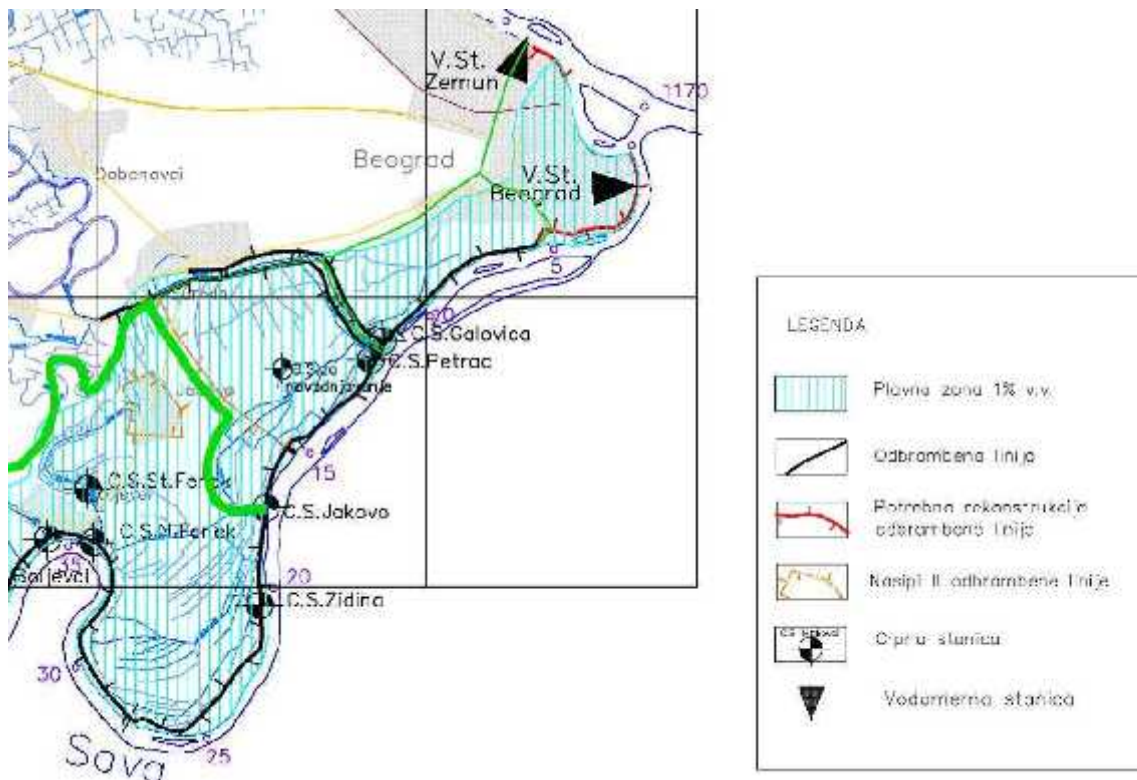
13.000 ha

, 1.300 ha

(

1".

.2.10



.2.10:

:

)

45

”

” (km 8+520 - 11+850).

(km 11+850 - 27+130).

km 8+520 - 46+000

1”.

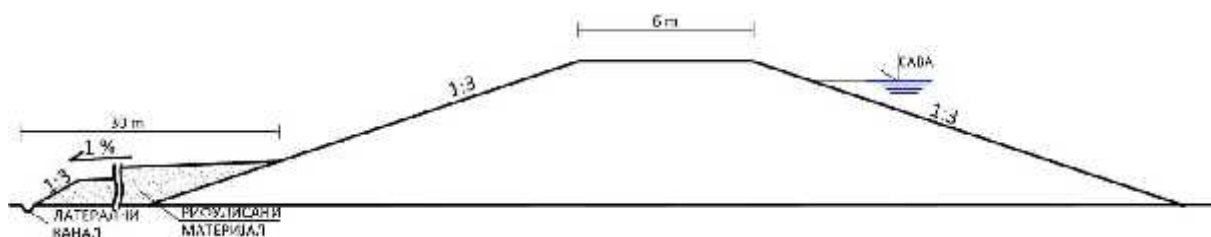
-

“

”

(

.2.11):



.2.11:

m

77,50 77,80

1,2-1,5 m

2014.

2006.



50.000

•

)

100 ,

•  
;

)

1000  
/

1

,

77,50 m

1/100

1/100,

(

)

1/1000.

,

1000-

1.0 m

,

,

78,50 m

1000-

•

,

,

.

,

,

•

,

•

‘ , ‘

•

,

,

,

,

■

/

,

,

( )

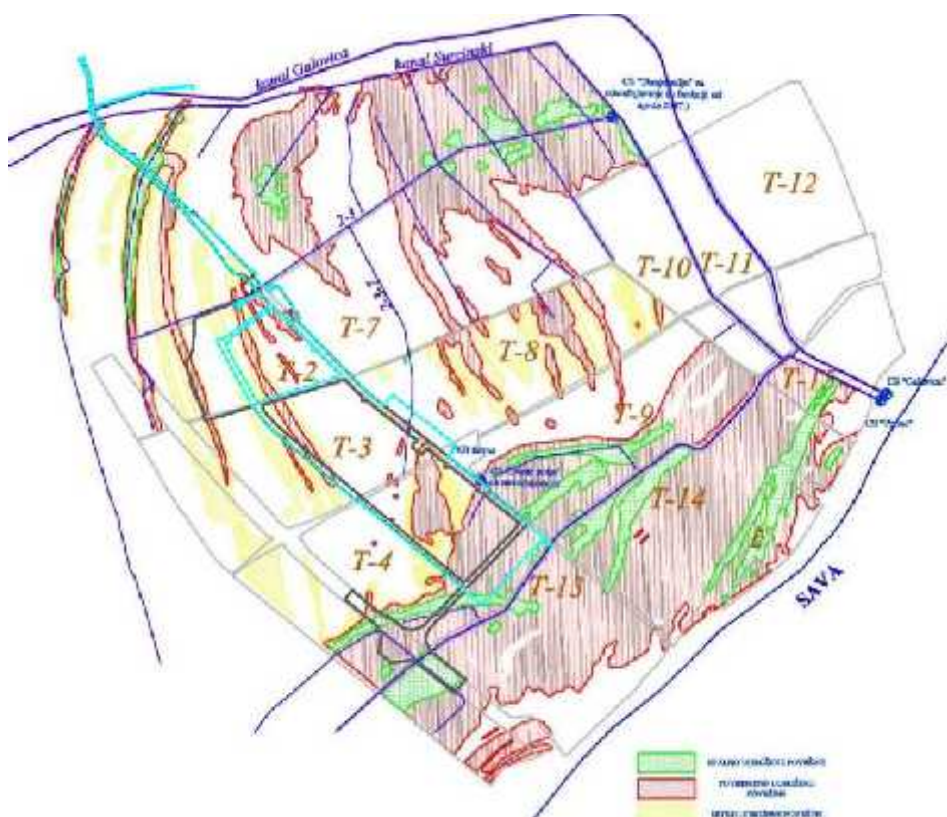
( , ).





.2.13:

2-3 " " ( " - "), ,  
 69,2-69,7 m ,  
 2-3-7 2-3-8  
 3 " 1. ( .2.14). 3



.2.14:

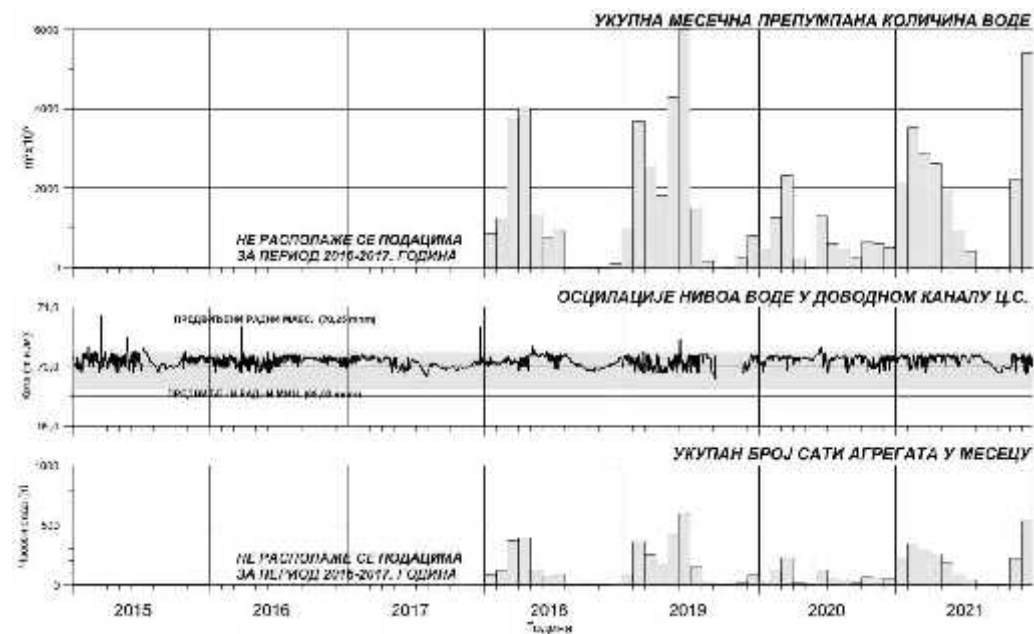


56 m<sup>3</sup>/s,

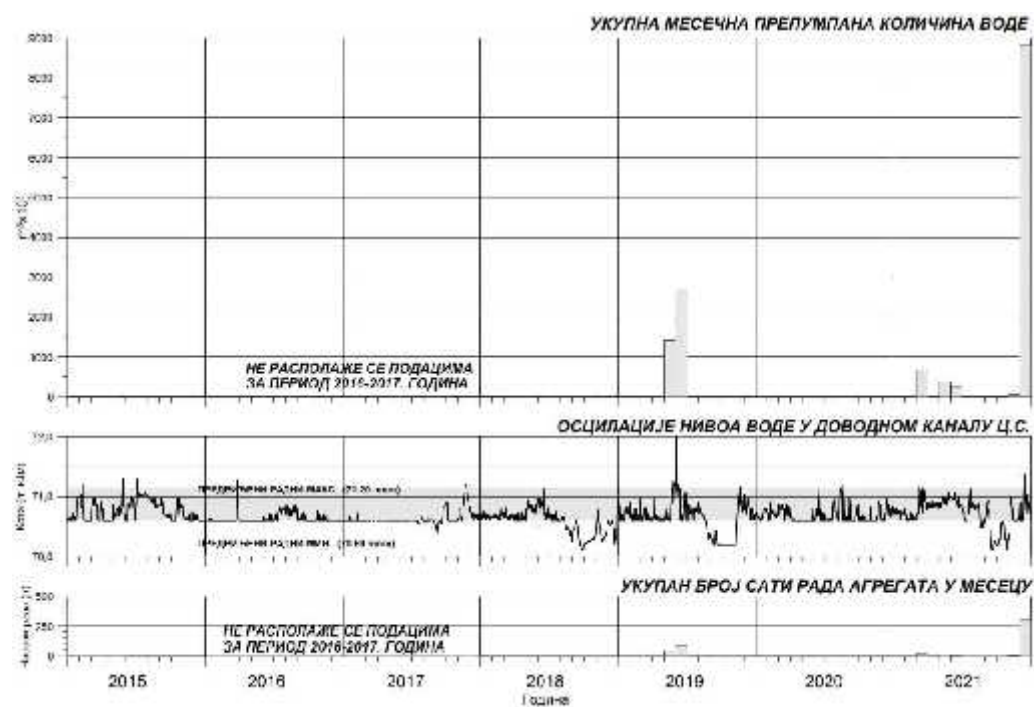
“ ”

“ ”

.2.7, .2.8



.2.7: “ ”

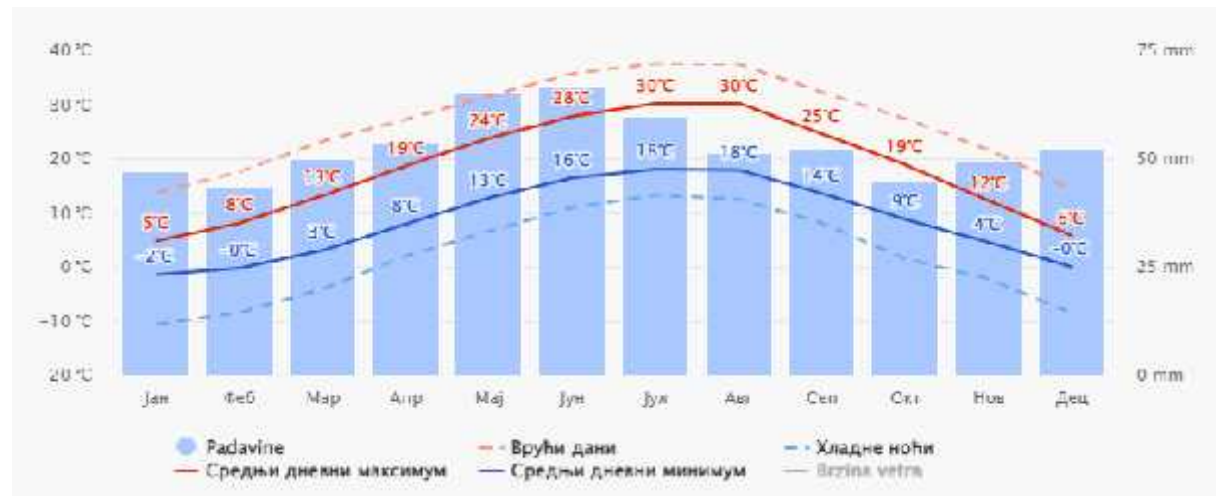


.2.8. “ ”

e) \_\_\_\_\_

\_\_\_\_\_ , joj \_\_\_\_\_  
\_\_\_\_\_ .  
\_\_\_\_\_ 2-3 \_\_\_\_\_ 7 \_\_\_\_\_  
\_\_\_\_\_ Meteoblue \_\_\_\_\_  
\_\_\_\_\_ ..  
\_\_\_\_\_ 30 \_\_\_\_\_  
\_\_\_\_\_ ( \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ )  
\_\_\_\_\_ ).

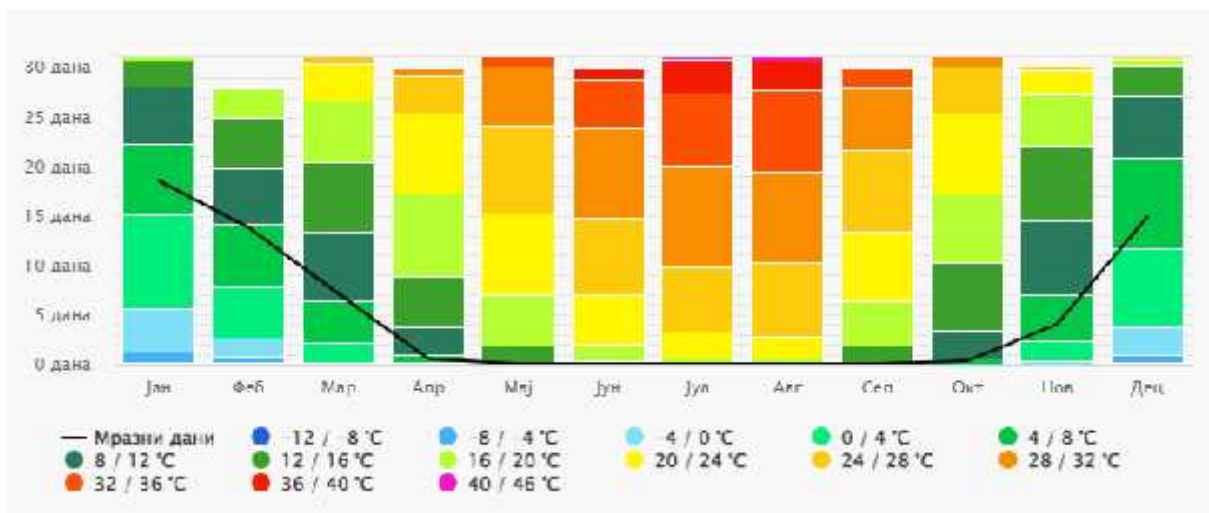
\_\_\_\_\_ 44.79°N i 20.28° i 87 . . . .  
\_\_\_\_\_ , \_\_\_\_\_ .  
\_\_\_\_\_ \_\_\_\_\_  
" \_\_\_\_\_ " ( \_\_\_\_\_ ) \_\_\_\_\_ " ( \_\_\_\_\_ )  
( \_\_\_\_\_ ) \_\_\_\_\_ 30 \_\_\_\_\_



.2.15 –  
.2.6.

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
(°C)	14	18	23	27	31	36	38	37	32	27	22	14
(°C)	-11	-9	-4	2	7	11	13	12	8	1	-2	-9
(°C)	5	8	13	19	24	28	30	30	25	19	12	6
(°C)	-2	0	5	8	13	16	18	18	14	9	4	-0





.2.9:

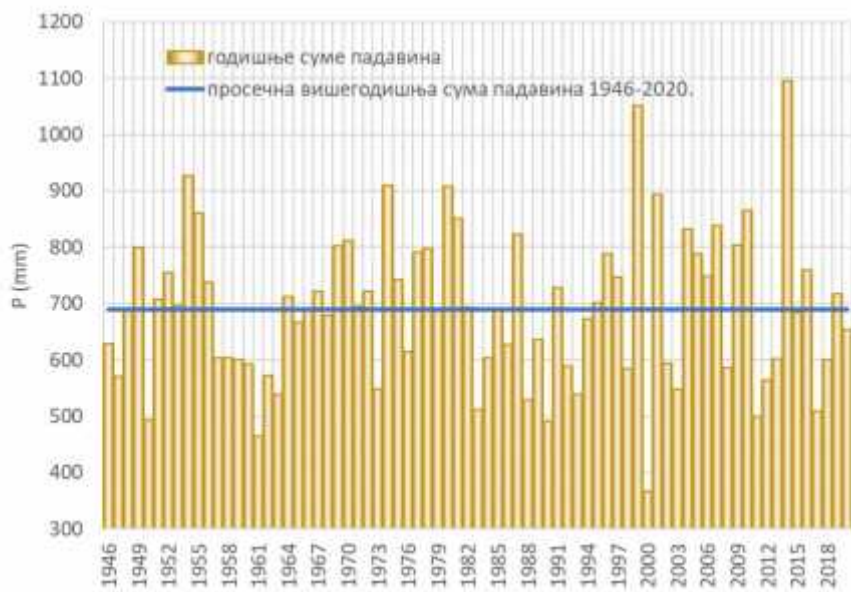
.2.7:

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
	18,5	13,8	7,1	0,5	0	0	0	0	0	0,3	4,0	14,8
-12/-8 °	0,1	0,2	0	0	0	0	0	0	0	0	0	0,2
-8/-4 °	1,1	0,6	0	0	0	0	0	0	0	0	0	2,9
-4/0 °	4,3	1,9	0,2	0	0	0	0	0	0	0	0,3	7,9
0 / 4 °	9,6	5,1	1,9	0,1	0	0	0	0	0	0	2,0	9,2
4/8 °	7,2	6,5	4,2	0,8	0	0	0	0	0	0,6	4,6	6,2
8/12°	5,7	5,6	7,0	2,9	0,2	0	0	0	0,1	2,8	7,5	3,2
12/16°	2,7	5,2	7,1	5,0	1,7	0,3	0	0	1,7	6,9	7,7	0,7
16/20°	0,3	2,9	6,3	8,5	5,0	1,6	0,6	0,6	4,5	7,0	5,1	0,1
20/24°	0	0,4	3,8	3,7	8,4	5,0	2,6	2,1	7,0	8,0	2,5	0
24/28°	0	0	0,6	0,9	8,8	7,8	6,5	7,5	8,3	4,8	0,2	0
28/32°	0	0	0	1,1	6,0	9,1	10,3	9,3	6,3	0,9	0	0
32/36°	0	0	0	0	0,8	5,0	7,4	8,1	2,0	0	0	0
36/40°	0	0	0	0	0	1,1	3,3	3,1	0,2	0	0	0
40/46°	0	0	0	0	0	0	0,2	0,3	0	0	0	0

1946-2020 .

690 mm 367 mm

2000. 1101 mm 2015. .



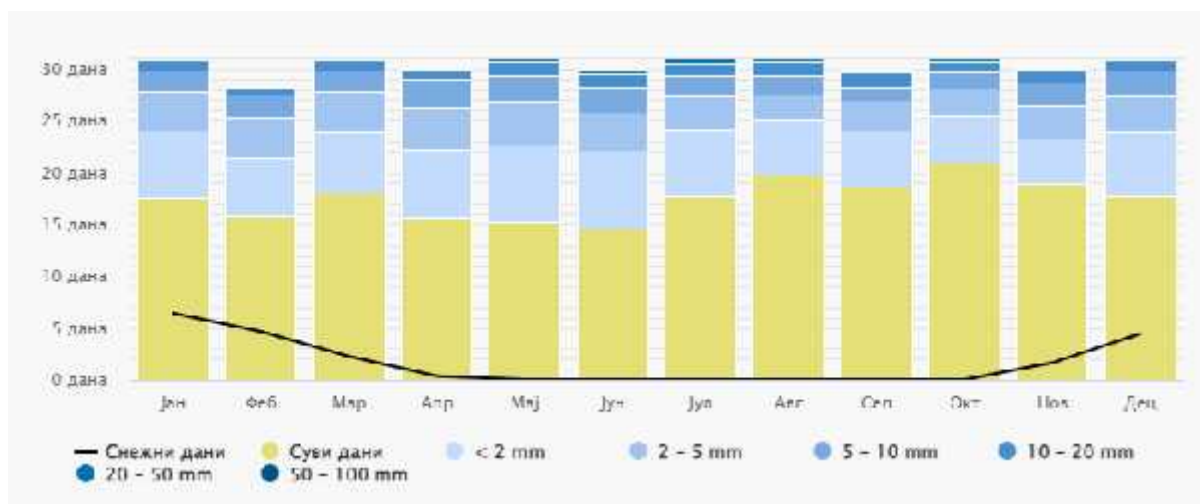
2020. .2.10. 1946-

.2.8

.2.8

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
(mm)	47	43	50	53	66	67	60	51	52	45	49	52

.2.11



.2.11



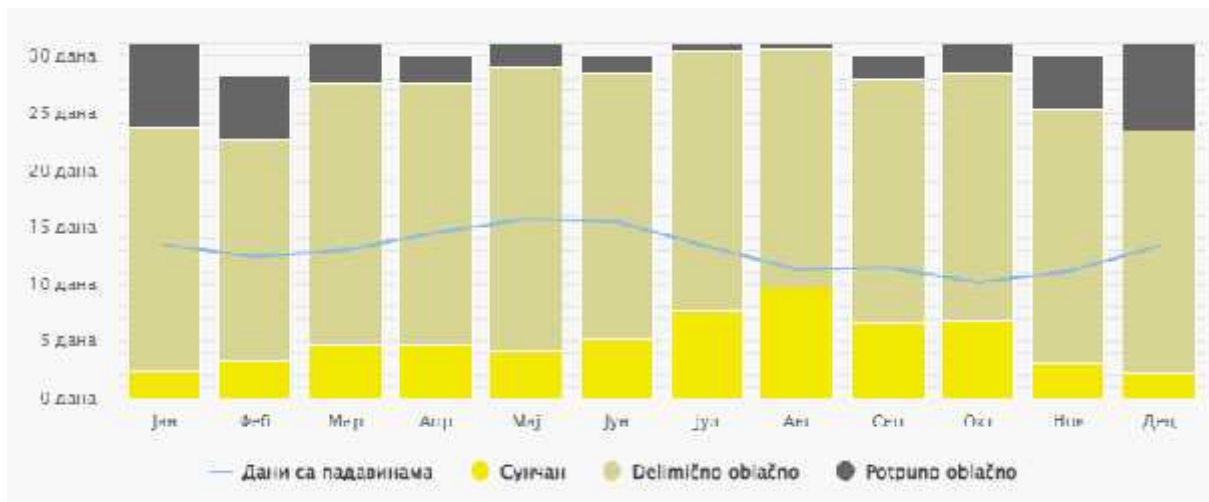
.2.9:

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
	6,4	4,6	2,2	0,3	0	0,0	0	0	0	0	1,6	4,4
	17,6	15,9	18,1	15,5	15,3	14,6	17,7	19,8	18,6	20,9	18,9	17,7
<2	6,4	5,5	5,9	6,7	7,4	7,5	6,4	5,3	5,4	4,5	4,4	6,1
2-5	3,9	4,0	3,9	4,0	4,0	3,7	3,3	2,4	3,0	2,7	3,1	3,5
5-10	2,0	2,1	2,0	2,6	2,7	2,4	2,0	1,9	1,3	1,6	2,2	2,5
10-20	1,0	0,7	0,9	1,0	1,2	1,4	1,2	1,3	1,4	1,1	1,2	1,0
20-50	0,1	0,1	0,2	0,1	0,3	0,4	0,4	0,3	0,4	0,2	0,1	0,1
50-100	0	0	0	0	0	0	0,1	0	0	0	0	0

( .2.12)

20-80%  
.2.10

20%  
80%



.2.12

.2.10

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
	13,4	12,3	12,9	14,5	15,7	15,4	13,3	11,2	11,4	10,1	11,1	13,3
	2,3	3,2	4,7	4,6	4,1	5,2	7,7	9,6	6,5	6,9	3,2	2,1
	21,5	19,4	22,9	23,0	25,0	23,4	22,7	20,9	21,5	21,7	22,3	21,4
	5,6	5,6	3,4	2,4	1,9	1,4	0,6	0,5	2,0	2,4	4,5	7,5

( )

mm Hg,

.2.11  
2022

.2.11

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
, %	78	69	55	64	55	58	51	63	78	75	89	82
, %	43	32	17	22	15	2	21	22	32	30	56	47

.2.12

30

.2.12

30

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
, %	78	71	63	61	61	63	61	61	67	71	75	79

25-43 km/h,

2' 3

130 km/h.

),

(

31.6 m/s

35.9 m/s

.2.13

.2.13.



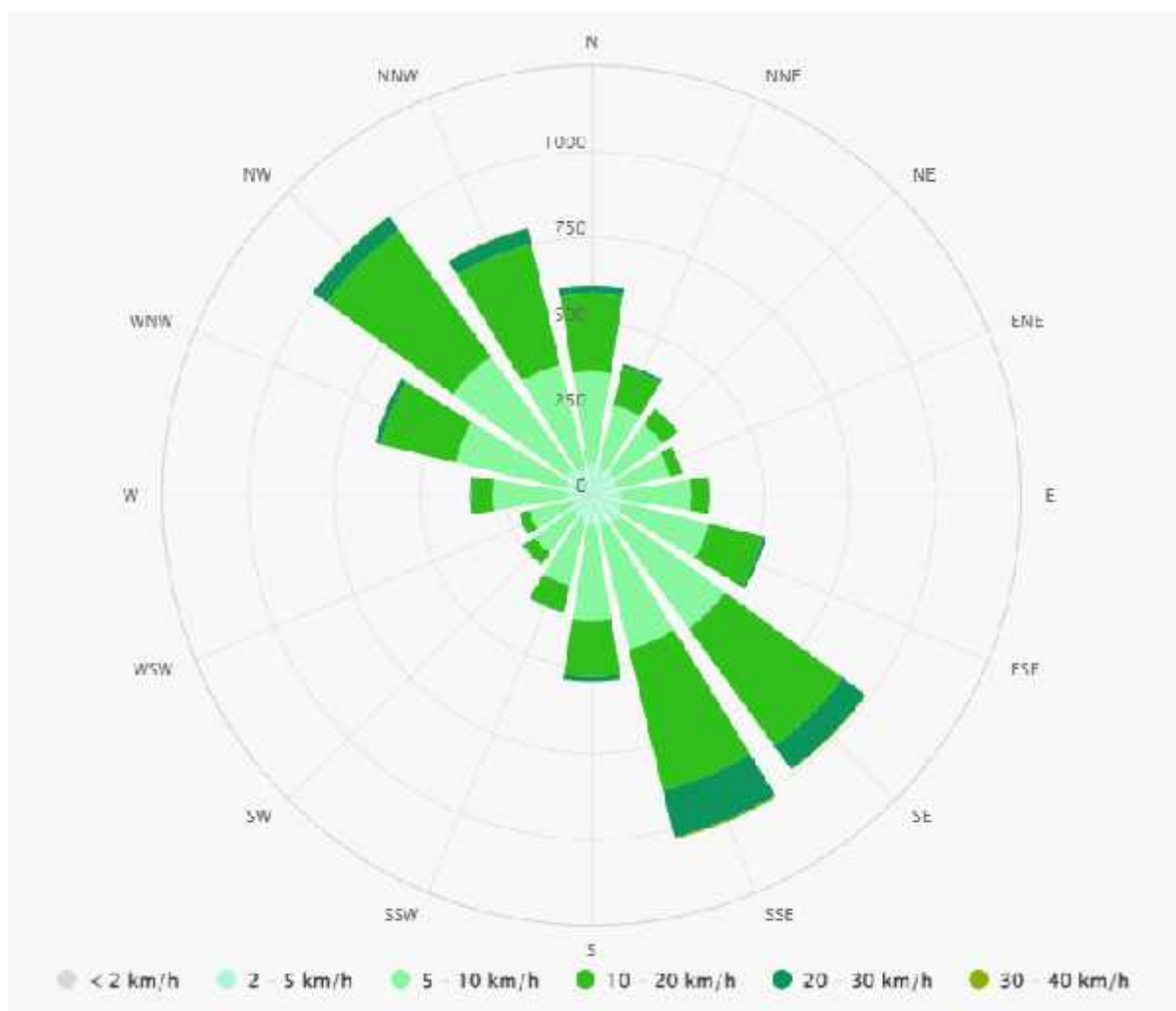
.2.13

.2.13

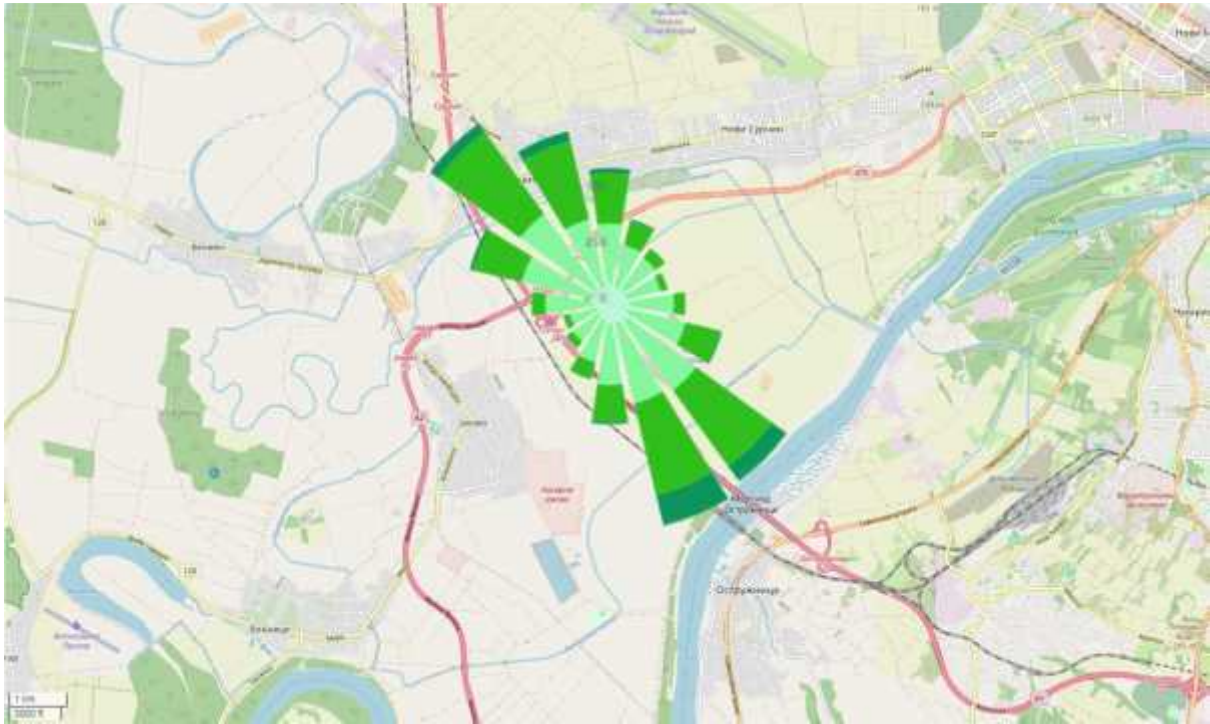
	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
2-5 km/h	0,1	0	0	0	0	0	0	0	0	0	0,1	0,1
5-10 km/h	7,3	5,6	4,8	4,9	5,9	7,2	7,1	9,6	7,7	8,5	7,0	8,7
10-20km/h	18,4	17	19,6	18,8	20,5	19,7	21,1	18,8	18,8	17,5	15,9	16,5
20-30km/h	4,8	5,0	6,3	5,9	4,3	2,9	2,7	2,6	3,5	4,6	6,5	5,3
30/40km/h	0,4	0,5	0,3	0,4	0,2	0,2	0,1	0	0	0,4	0,5	0,3

.2.16

.2.17



.2.16.



f) \_\_\_\_\_,  
( \_\_\_\_\_ )  
\_\_\_\_\_

4728/21; 4728/33; 4742/5 . . , , 4727/9; 4727/13; 4728/7; 4728/8;

**g)** \_\_\_\_\_

h) \_\_\_\_\_

62-244/2024, 26.04.2024. -

(„ „ . 129/21),  
 ,  
 -  
 ,  
 „ „  
 „ „ . 32  
 „ „ . 129/21).  
 „ „ 1991.  
 -  
 8.820 m2  
 - 88  
 3  
 8  
 , I IV  
 3.300 m2.  
 109,  
 XII-XIV  
 207 40 m,  
 1991.

i) \_\_\_\_\_

150.

52000  
2500

j) \_\_\_\_\_

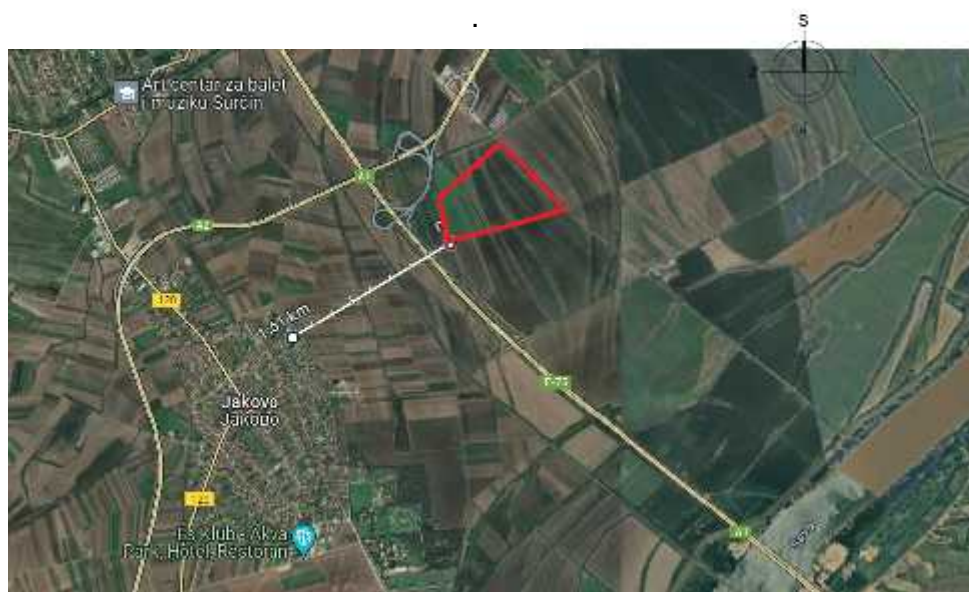
1,85km,

1,61km,

1,88km,

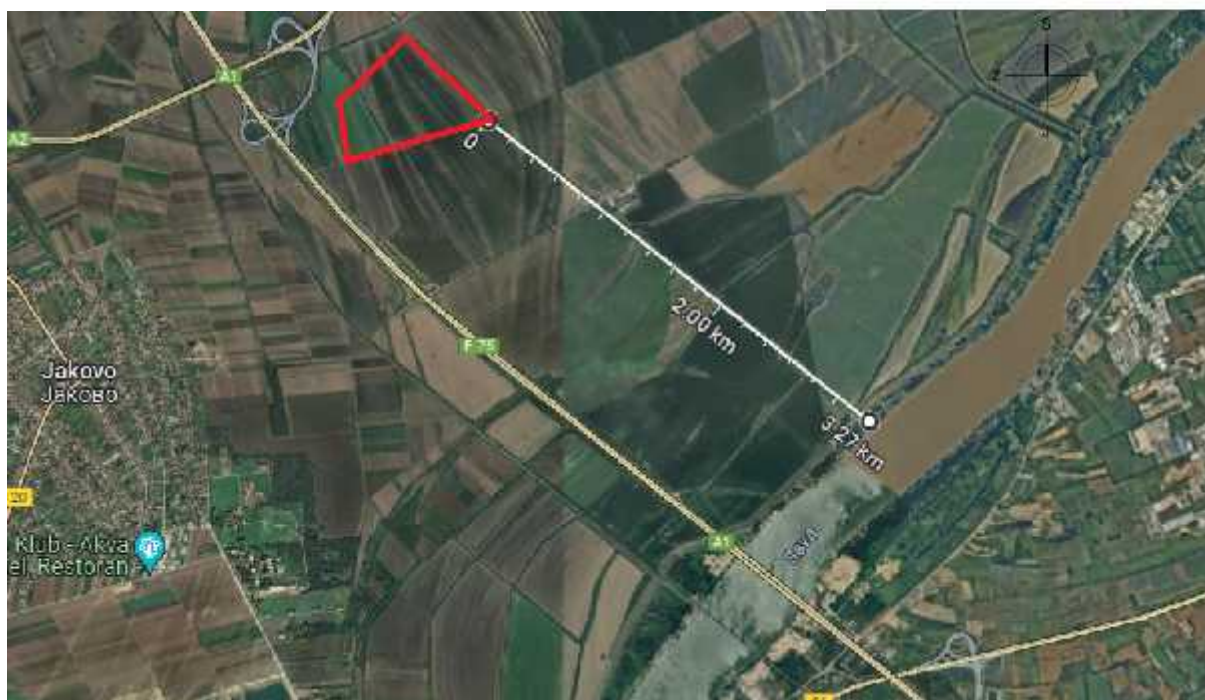
3,27km.

.2.18, .2.19, .2.20

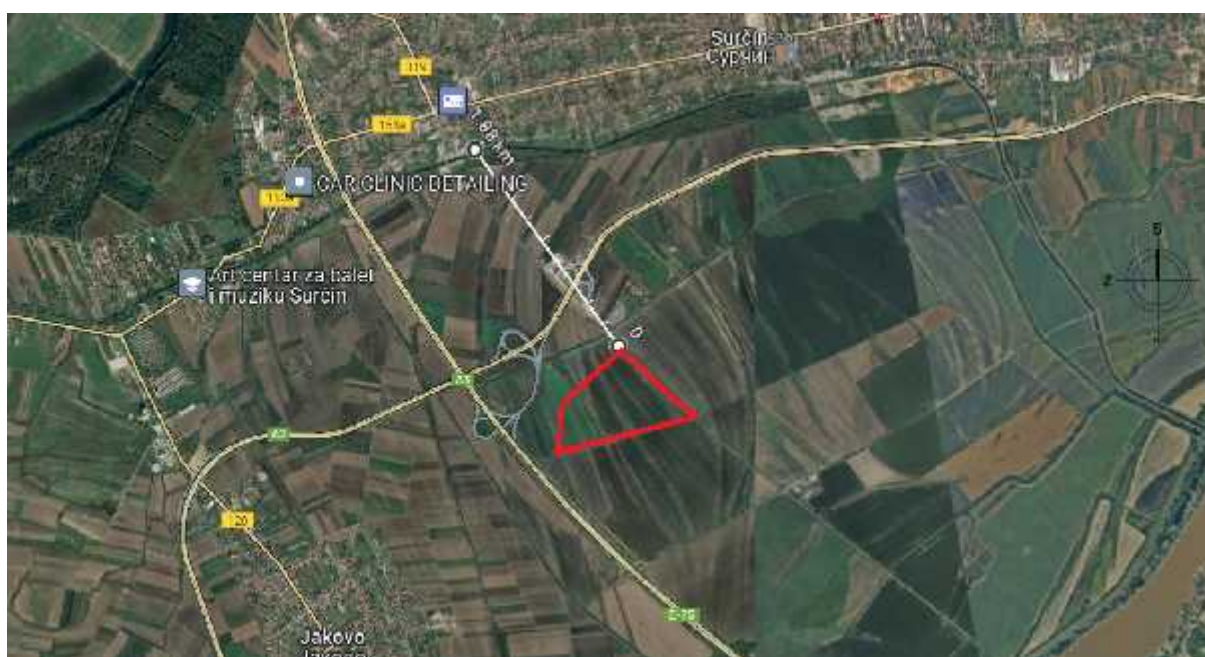


.2.18 –





.2.19 –



.2.20 –

2022.

),

45.386.

(



### 1.5.3

•

•

**: 4727/9;**

**4727/13; 4728/7; 4728/8; 4728/21; 4728/33; 4742/5;**

‘ ‘ ‘

$$I - \left( \frac{1}{\alpha} + \frac{\beta}{\alpha^2} \right) \frac{1}{\alpha},$$
$$\| \cdot \|_{\infty} = \max_{1 \leq i \leq n} |x_i|, \quad \| \cdot \|_1 = \sum_{i=1}^n |x_i|, \quad \| \cdot \|_2 = \left( \sum_{i=1}^n |x_i|^2 \right)^{1/2},$$
$$(\mathbf{A}^{\text{new}})^{-1} = (\mathbf{A}^{\text{old}})^{-1} - \frac{(\mathbf{A}^{\text{old}})^{-1} \mathbf{a} \mathbf{a}^T (\mathbf{A}^{\text{old}})^{-1}}{\mathbf{a}^T (\mathbf{A}^{\text{old}})^{-1} \mathbf{a}},$$

- 75, - ,

IA 1,

**4727/9; 4727/13; 4728/7; 4728/8; 4728/21; 4728/33; 4742/5**

□ □

. 13,

, 21. . 2024

a) \_\_\_\_\_

4 15 km

4

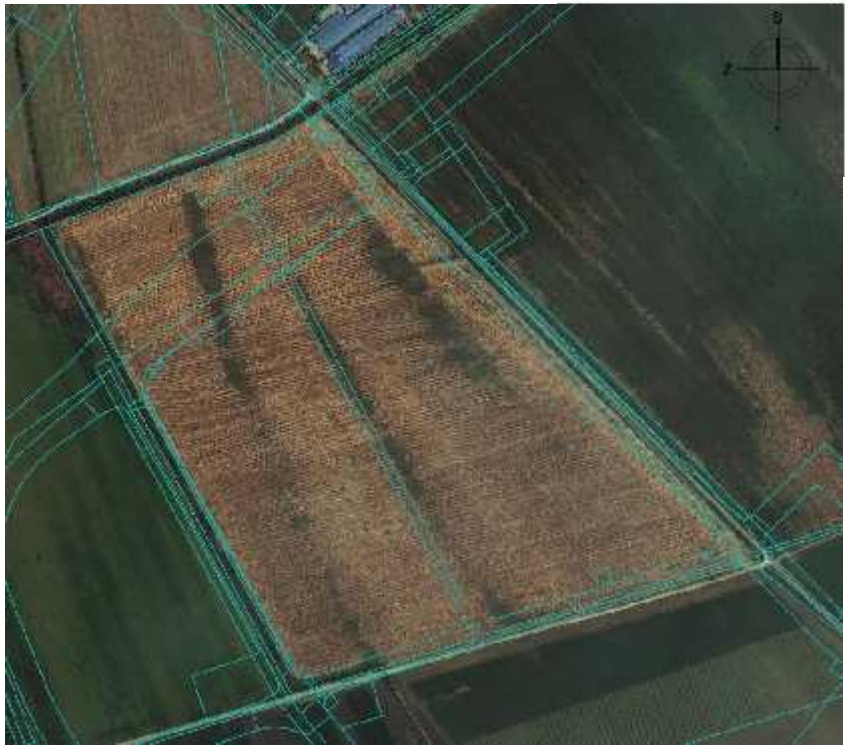
, 15 km

5,0 km

" " "

1. 2. 3. 4.

(3.1).



.3.1:

( , ~69-74m, 2-3°. e , 0.5-2.7m , 69.0 71.5m. , 1-3m.

74.0 mnv.

( , 74.0 mnv. .) - , , 74.0 mnv ( . 350-01-00109/2022-7 " - a a", " , 2022, 74.2-75.8 mnv " , 2023. 3 -

---

8 ,	2023 053-	- 04	3.3
-----	-----------	------	-----

) 2 - 1 ( )  
/ ) 4 - 1 ( ) 1 ( )

,  
,  
.

-

.

2

.

\_\_\_\_\_

, VIP, VVIP

.

7m,  
5.5m.

6m.

\_\_\_\_\_

.

,

.

-

.

.3.1:

<b>1</b>	
	840
	36
	40
<b>2</b>	
	998
	36
	48
<b>3 (VVIP)</b>	
VVIP	94
	16
	2
	2
<b>3 (VIP)</b>	
VIP	779
	30
	72
	31
<b>4</b>	
	612
	27
	80
<b>5</b>	
	26
	23
	40

45

)  
)

2.5x5m

○  
○

3.7m 5.0m  
5.9m 5.0m.

5.5m

1.50 m

-

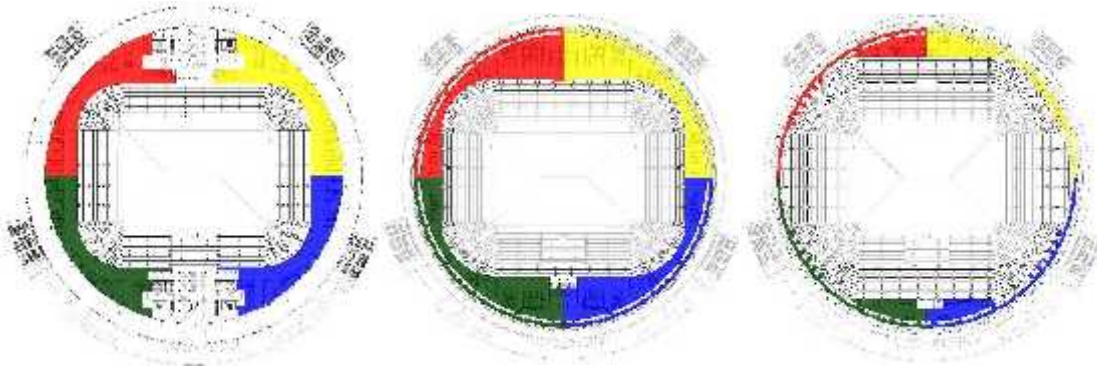
. 2.0x6.0m

3.5m

, 3.5x14.5m.

/

292 ,  
 N 4957770 E 443753.  
 260  
 ( 0.00) 77.60,  
 74.80 ( -2.80).  
 52.000 (52 241),

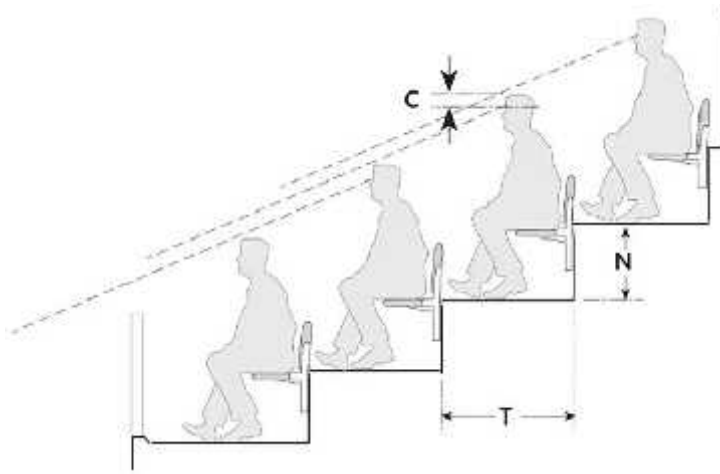


.3.2:

C -

-

:



.3.3:

120  
VIP VVIP  
- 60 , 90  
.

.3.2:

:

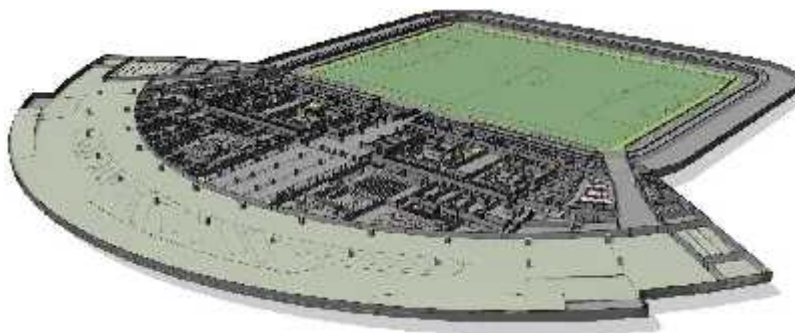
		-	-
		18 990	18 936
	-	388 (194+194)	388 (194+194)
	-	388	388
		1129	1129
	-	32 (16+16)	32 (16+16)
	-	32	32
	VIP	733	753
	VIP –	8 (4+4)	8 (4+4)
	VIP –	8	8
		50	42
		102	102
	-	4 (2+2)	4 (2+2)
	-	4	4
		/	
		<b>21 868</b>	<b>21 826</b>
		1104	1094
	-	16 (8+8)	16 (8+8)
	-	16	16
		582	726
	-	6 (3+3)	6 (3+3)
	-	6	6
	VVIP	94	94
	VVIP –	2 (1+1)	2 (1+1)
	VVIP –	2	2
		<b>1 828</b>	<b>1 962</b>
		27 537	27 278
	-	16 (8+8)	20 (10+10)
	-	16	16
		270 (90*3)	270 (90*3)
		240 (80*3)	240 (80*3)
		15	15
		240	240
		240	240
		<b>28 545</b>	<b>28319</b>
		<b>52241</b>	<b>52 107</b>



.3.3:

		, m <sup>2</sup>
1	-2.80	9 048,49
00	0.00/	14 149,12
00	+3.07	5 684,96
01	+7.40	13 750,88
02	+11.46	11 022,64
03	+17.40	11 453,21
04	+22.40	3 704,09
05	+27.40	5 457,88
06	+31.40	611,83
		3 435,15
		<b>78 318,96</b>

**B1 – /**



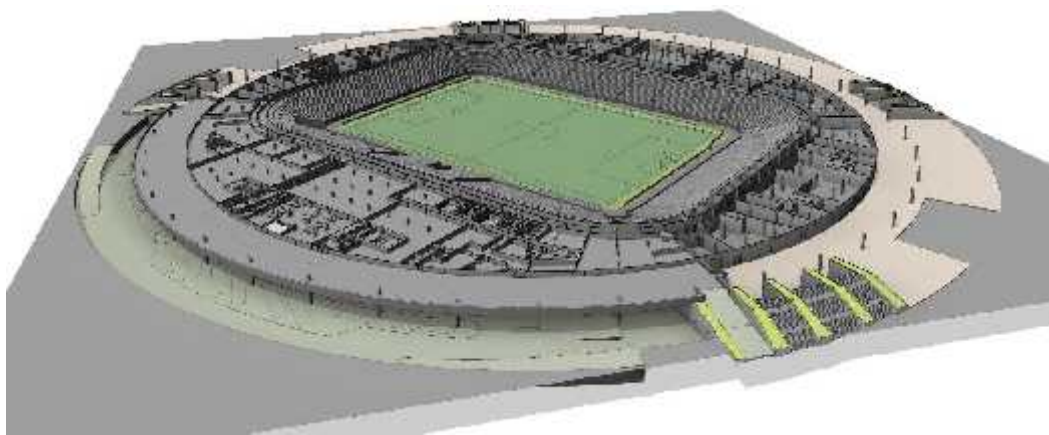
.3.4:

VVIP

VVIP

VVIP

0.00/ VIP



.3.5:

0.00

3,07

VIP

VIP

VIP

VVIP

00-

0.00/

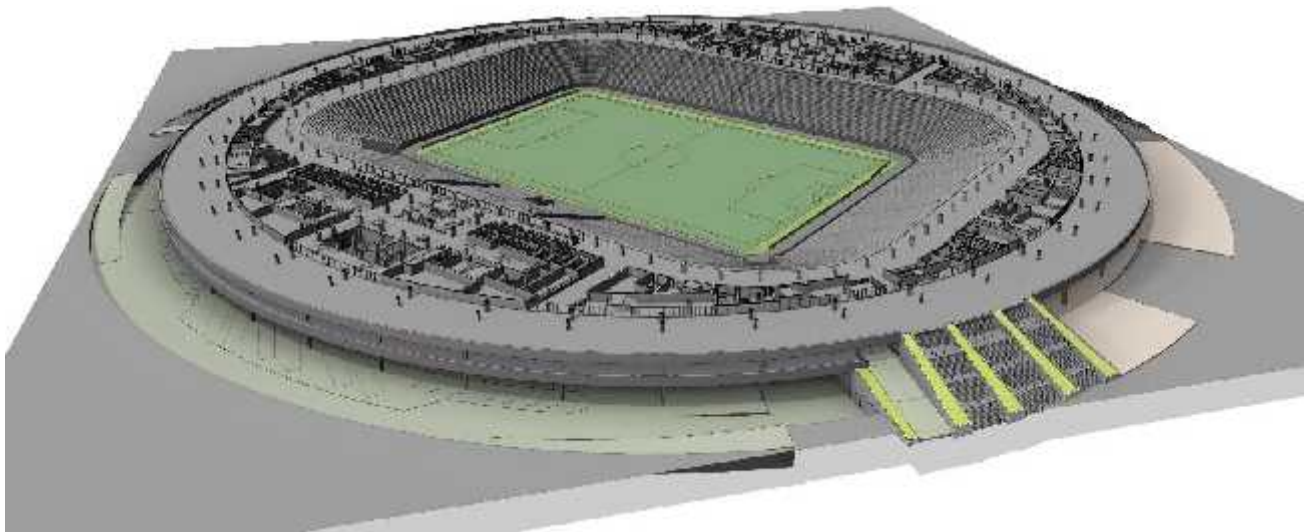
„SHELL & CORE“

(„SHELL & CORE“)

4

01 –

+7.40/



.3.6:

+7.40

VIP

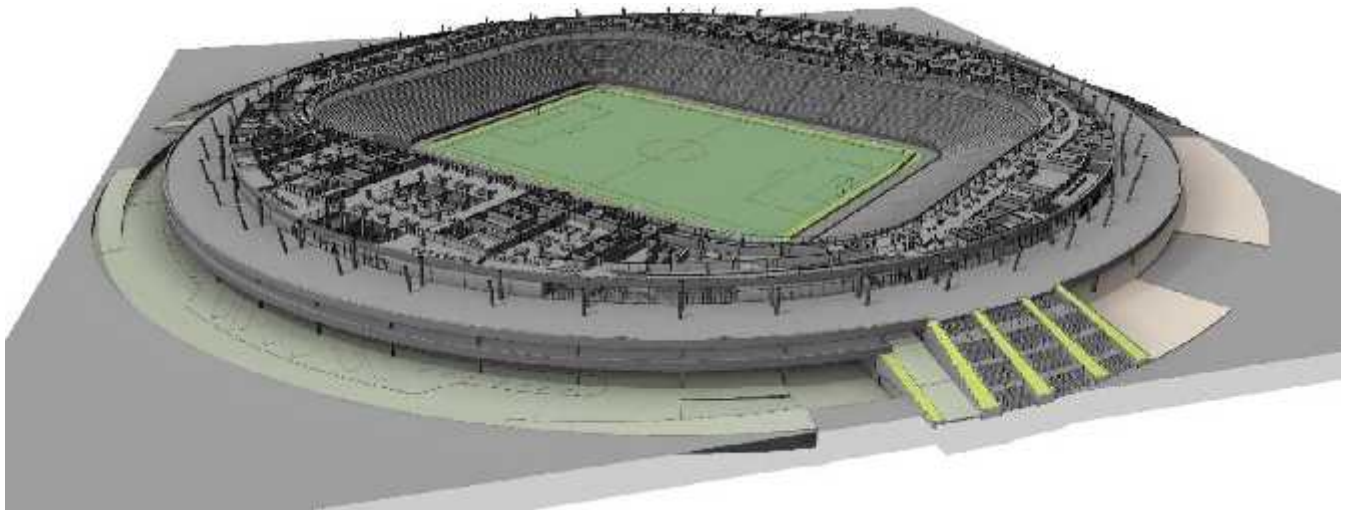
VIP

. VIP

02 –

+11.46 /

VVIP



.3.7:

+11.46

VVIP LOUNGE ( )

VVIP

780 m<sup>2</sup>

VVIP

VIP

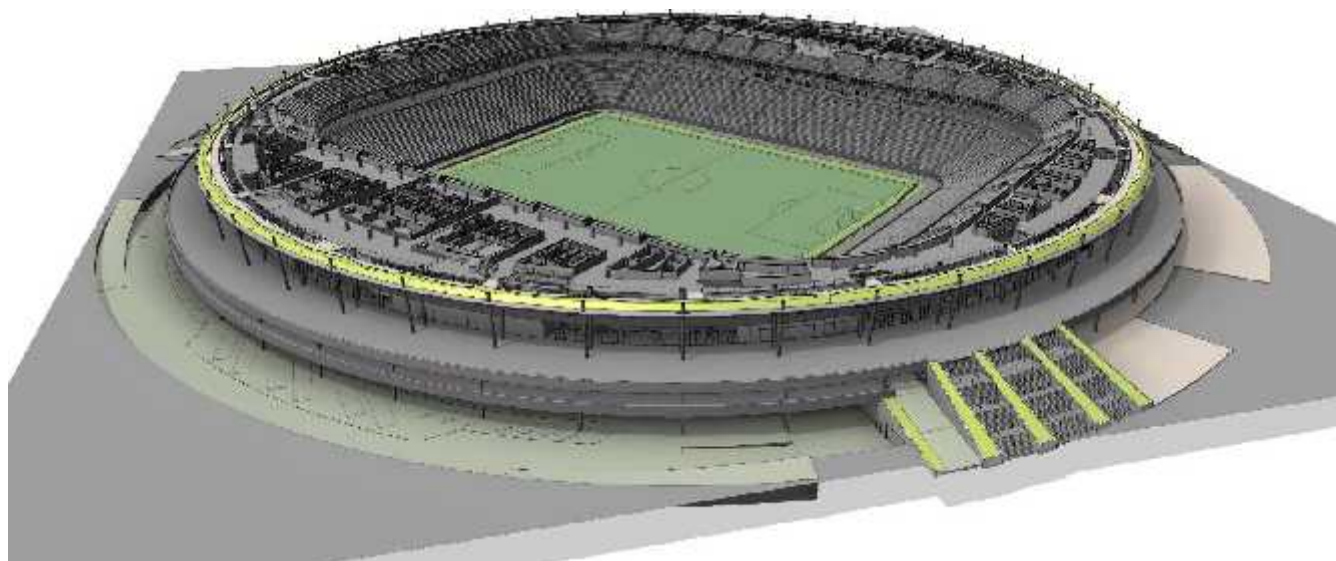
. VVIP

. VVIP

VVIP

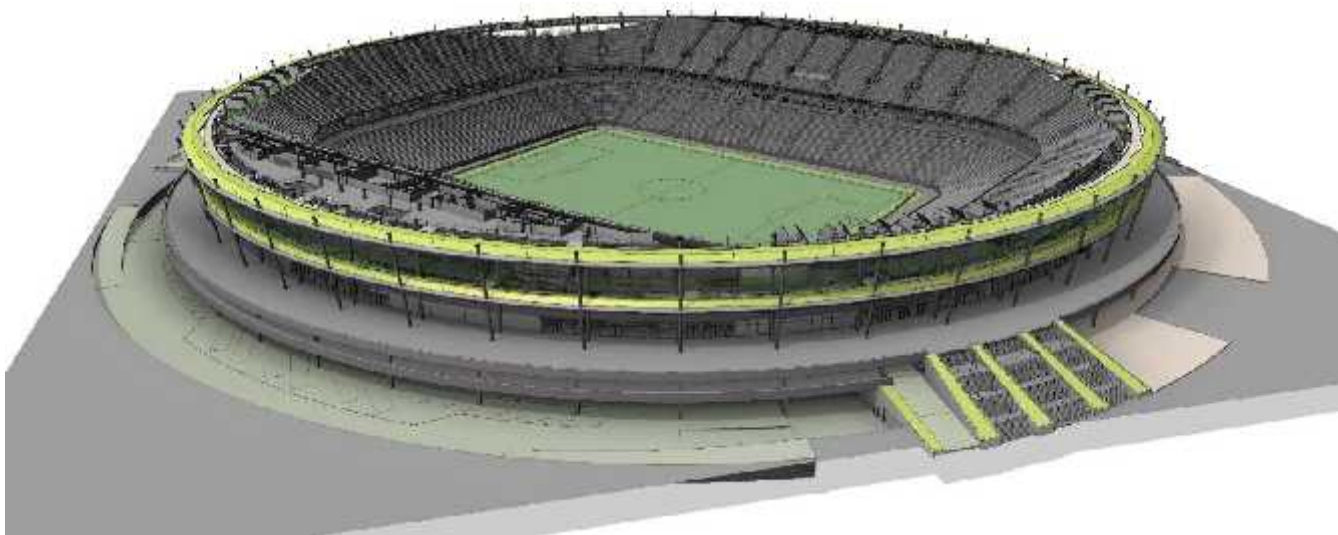
( ).

03 – /  
+17.40/ I –



.3.8: +17.40

04 – /  
+22.40/



.3.9: +22.40

-a - I

-a - II

( ),

- I

VVIP

05 –

//

+27.40/

- II –

- II

”

“

”

”

”

”

,

.

”

“

,

06 –

//

+30.50/ 31.40/

- II

&

07–

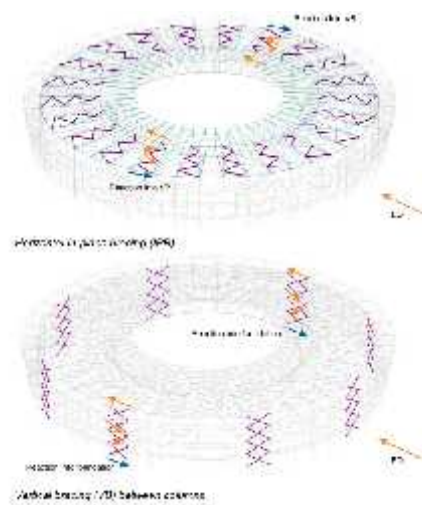
/ +37.40

, WiFi

TEHNI KE

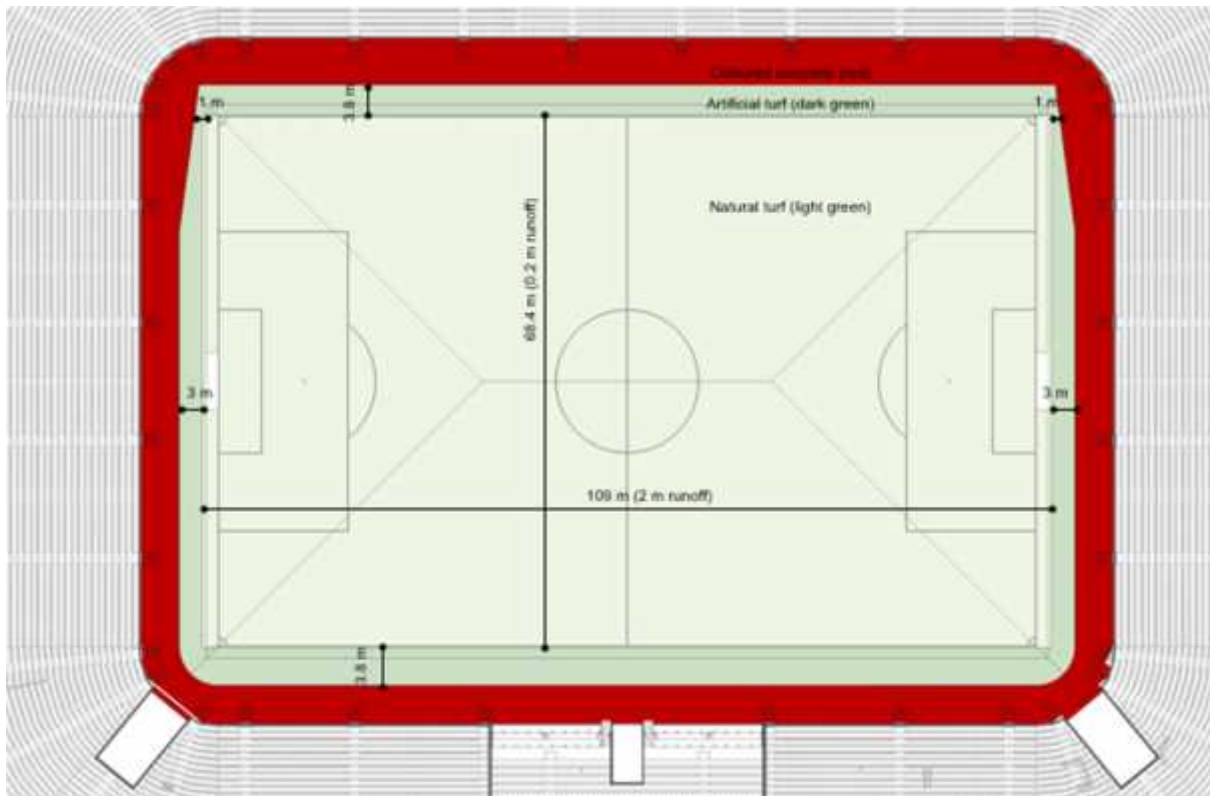
08–

je



.3.10:





.3.11:



.3.12:

HACCP

22001:2005

HACCP.

VVIP

.3.4:

		’
		’
		’
	’	’

) 01 – – - 1193  
 ○  
 ○  
 ○  
 ○  
 ○  
 , – BOH  
 ) 01 – – VIP - 910  
 ○  
 ○  
 ○  
 ○  
 , – BOH  
 ) 02 – - 645  
 ○  
 ○  
 ○  
 ○  
 , – BOH  
 ) 02 – - 645  
 ○  
 ○  
 ○  
 ○  
 , – BOH  
 ) 02 – – VVIP - 98  
 ○  
 ○  
 ○  
 ,  
 ○

○  
， — BOH  
19 02 — —

○  
○  
○  
○  
○  
○  
○

， — BOH  
10 02 — — VVIP —

○  
○  
○  
○  
○  
○  
○

， — BOH  
，  
.  
:  
.

— 103  
— 882

，  
.  
.  
，  
( ) ( . ).

:  
 ) ( 4 )  
 )  
 , ,  
 ,  
 ,  
 ( ) 105 m ( )  
 68 m ( )  
 (2020) 1  
 ( );  
 (2022)  
 5 ( ) 4 m

)  
 (

- :  
“ ”).
- ( . )).
- ( ) „
- 
- 
- 
- 

, pop-up 17,2  
 m 18,2 m  
 / , 12mm o

5  
( )

15 pop-up      35 pop-up      20

3-      5-

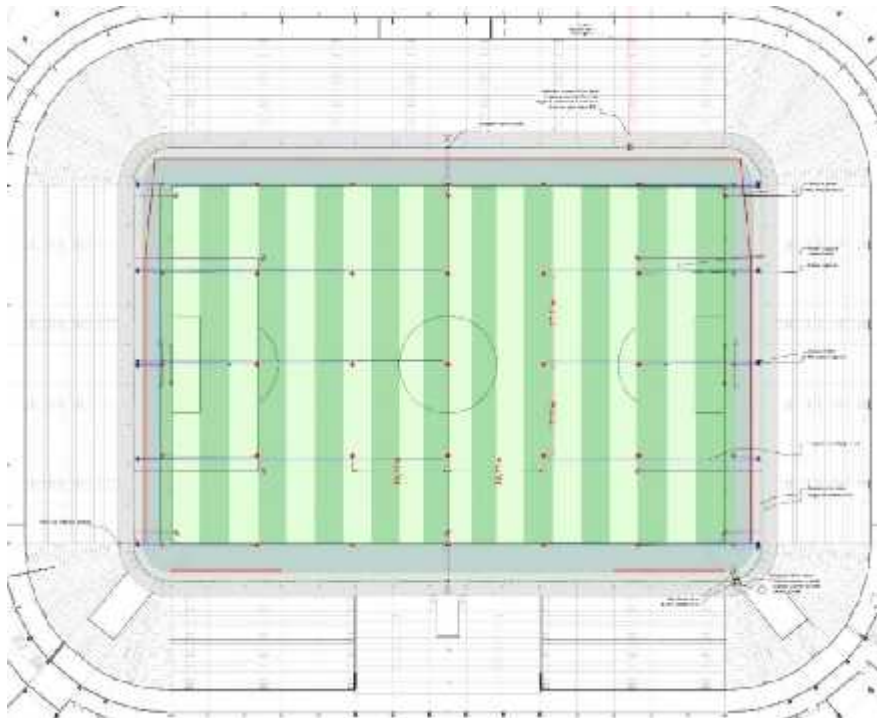
76 m<sup>3</sup>  
227 m<sup>3</sup>  
378 m<sup>3</sup>

109m

x 68.4m.

3,75 l/s

76 3.



.3.13:

.3.5:

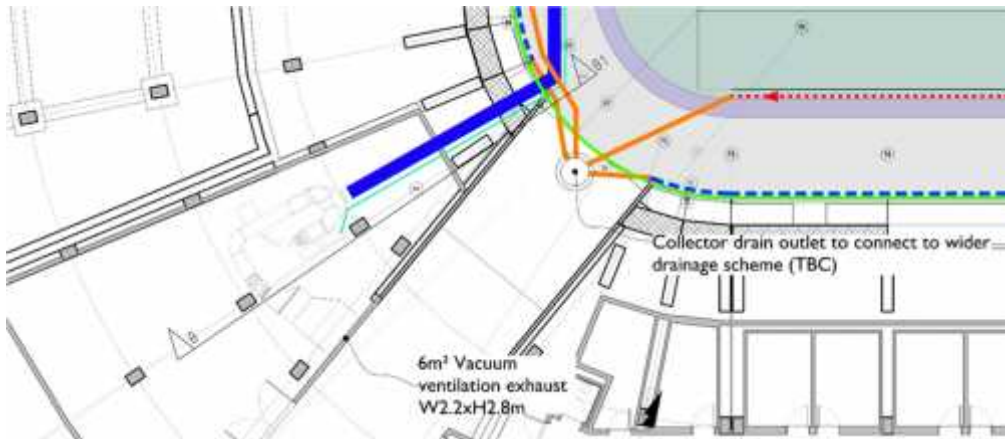
	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
mm/	4	4	6	8	10	12	12	12	10	8	6	4
mm/	124	112	186	240	310	360	372	372	300	248	180	124
	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
, mm	47	40	49	56	58	101	63	58	55	50	55	57
	3.3	3	6.3	6.8	2.9	0	0.2	0.1	0.1	0.3	1.4	3.5
-	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
mm/	77	72	137	184	252	259	309	314	245	198	125	67
mm/	2.48	2.57	4.42	6.13	8.13	8.63	9.97	10.13	8.17	6.39	4.17	2.16
/m <sup>3</sup> 3	56	58	99	137	182	193	223	227*	183	143	93	48
/m <sup>3</sup> 5	93	96	165	229	303	322	372	378*	304	238	155	81

\*

pH

VV





.3.14 –

VV

( ),

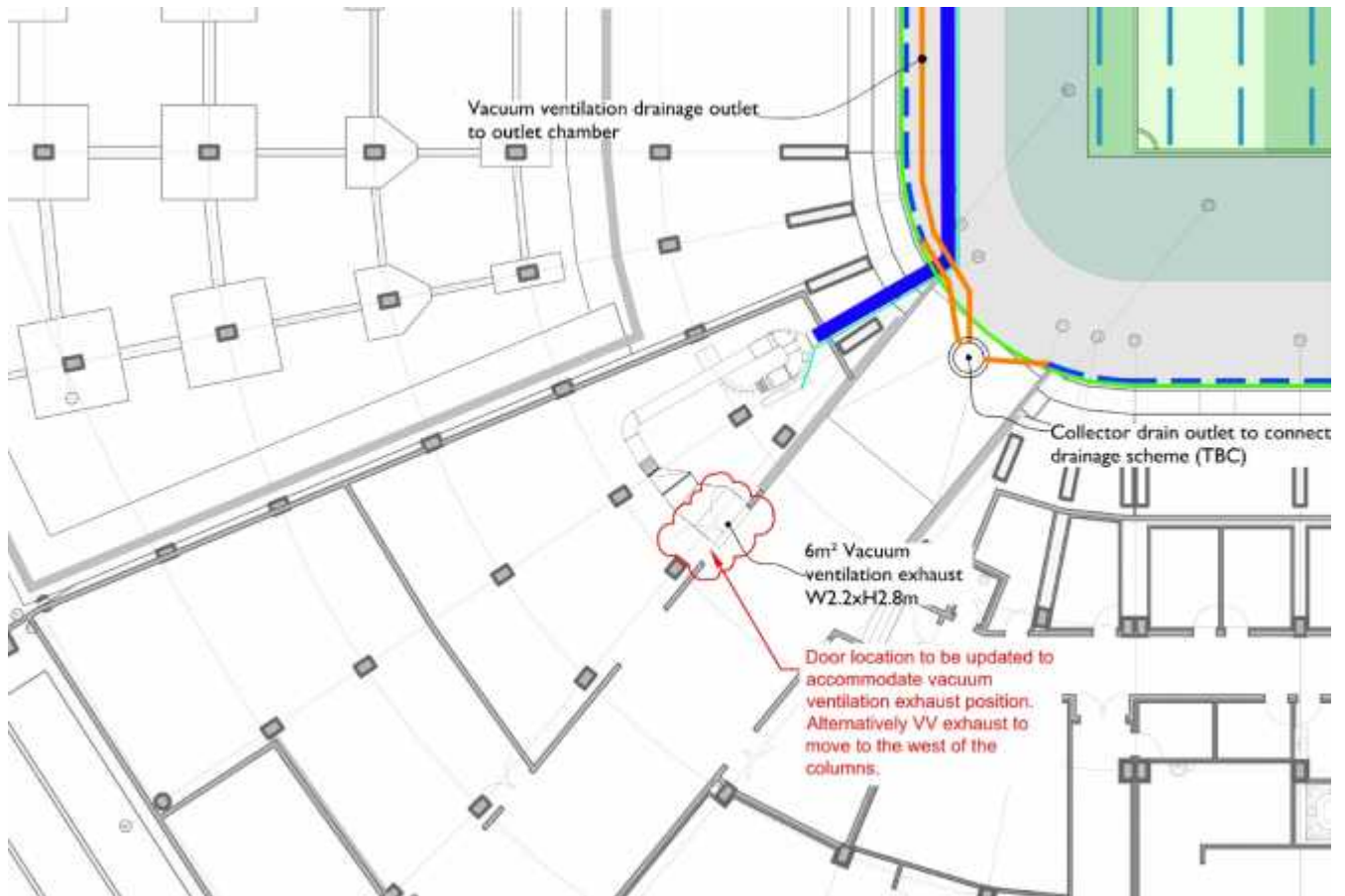
( ).

2,8 m.

( )  
( )

, 6 m<sup>2</sup>,

( ).



.3.15 –

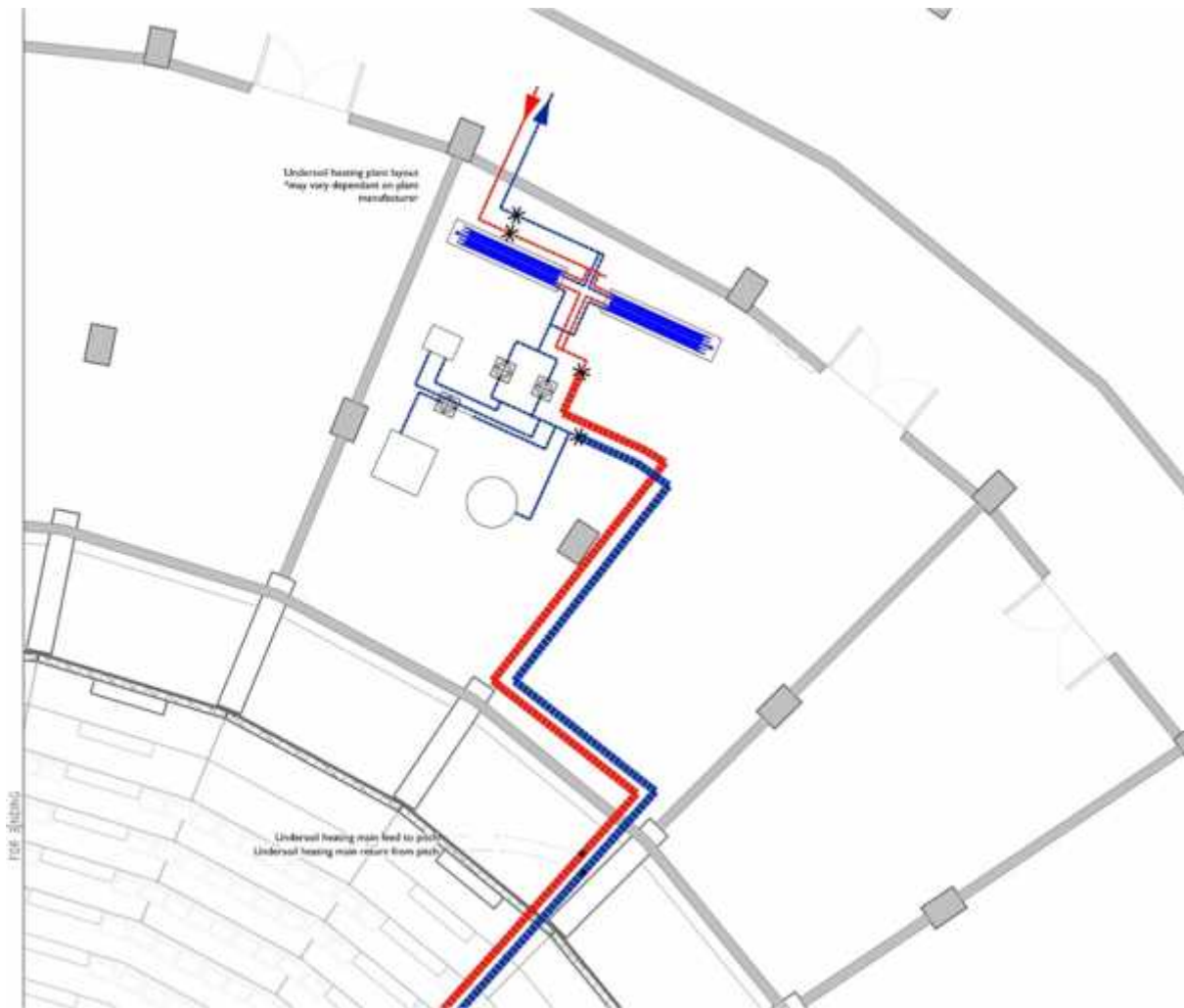
( )

( )

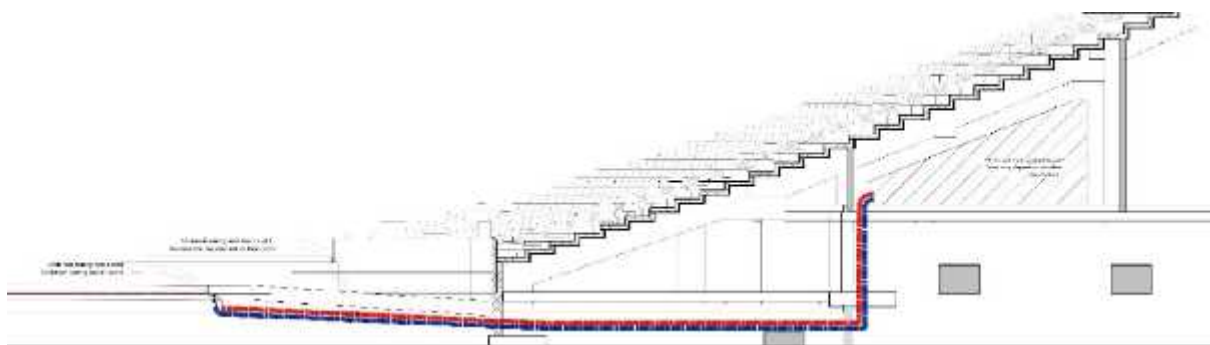
( ).

20 m

( ) ;  
 , ( )  
 ,  
 .  
 .  
 .  
 .  
 .  
 / -  
 ( 250 300'  
 ).  
 ( / )  
 .  
 ;  
 )  
 ) 2000 kw,  
 ) : 15,92 l/s,  
 ) : 70/40° C  
 ) : 11,13 kPa  
 ) : 23,88 l/s  
 ) : 20/40° C  
 ) : 21,87 kPa  
 ) : 1.4301 ST/ST  
 ) : 0,5



.3.16 –



.3.17 –

/

28%

40%

BMS

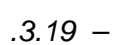


Thermox DTX , Hydratech,  
„MSDS“ ,

40%



.3.18 –



1

11

1

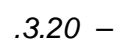
70 150 cm.

11,

160 250 cm.



)
)
)
)
)
)
)
)
)





5 /m²/ ,  
 30.000 / .  
 20 .  
 7.060 / .  
 2-3 .

.3.6

	, m²		, min
00	500	4	40
03	1300	10	100
05	2700	22	210
07	1900	15	150

8 30 ,

2 x 2 x 1,5 m. ( ) ,  
 . ,  
 .

“pop up” ,  
 8  
 .

230 m, 250 m,  
 65 m. 100 m,  
 ) a „ “ ( ),  
 . ( - )

) j ( - )  
 ) ( )  
 ) -  
 ( )  
 -

1,9 m.

---

) /  
 )  
 )  
 )

, ,

) -  
 ) -  
 ) ( ) -  
 , ,  
 .  
 ,

)  
 ) VVIP ( )  
 ) VIP  
 )  
 )  
 ) ,  
 )

---

) ( - )  
 )  
 ) Wi-Fi  
 ) IP (VOIP)  
 )  
 ) GSM  
 )  
 ) IT/AV  
 ) AV

STTZN R52M), ( = 70 µm) 30x4mm (DEHN BA 30X4  
 5m,  
 (DEHN- VK 6.10 FL30 FL30 BSB STTZN).  
 15x15 .

( )

(DEHN KS FL30 STTZN)

) ;  
 )  
 ) / / ( ,  
 ) ;  
 ) ( , , );  
 )  
 ) ;  
 ) ( - ) - ;  
 ) , ;  
 ) ;  
 ) ;  
 ) ;  
 ) - ;  
 ) , ;

( SRPS EN 60754-1:2014) ( SRPS EN 60332-1-  
 1:2009/A1:2016), ( SRPS EN 60332-3)  
 (SRPS EN 60754-2:2014).  
 N2XH,

:



- 3

0.4 kV

)

( )

---

800kWe)  
0,00 .

630kVA (500kW)

( - )

)

( 4 a )  
( , )  
. 4 2000 .  
2000 ,  
. ( , , )  
120 .  
( ).  
. ( )  
. ,  
. ,  
. 4  
( ) ( .1=GEN-Z1, .2=GEN-Z2, .3=GEN-Z3, .4  
=GEN-Z4),  
.5=GEN-BTP.  
. ,  
. ( ),  
.  
\_\_\_\_\_  
, - ( 1- 4, ).  
/ — ” “  
, , ,  
:  
) 10 MW,  
120/55 ° , NP 16 , 70/50 ° .

)

5/13 ° , NP 16 , 8,2 MW,

2 - ( S) ,

1 = 00-Z1-002 2 =00-Z3-007

2xDN150

2 4.

5 MW

4,1 MW

, 2xDN250

2

1.

:(

/

-

/

-

,

,

,

).

-

,

,

:

,

,

.

\_\_\_\_\_

,

(

).

4,

2

1.

50m

\_\_\_\_\_

,

,

.

,

,

200 mm

,

.

,

.

,





:  
 .  
 ( , , ),  
 ,  
 .  
 4  
 ( , , ...).

c) \_\_\_\_\_  
 \_\_\_\_\_

:  
 :  
 Pi=18250kW  
 Pmj=10100kW  
 :  
 Pi=3414,5kW  
 Pmj=1546,5kW

4.  
 ,  
 4 : ,  
 ,  
 ,  
 .  
 68.0 l/s (38.0 l/s – , 30.0 l/s – ), :  
 62.0 l/s – 4  
 6.0 l/s – 2  
 :  
 ) , 30,55 l/s, (  
 550 m<sup>3</sup>);  
 ) , 7,45  
 l/s ( , 800 m<sup>3</sup>)  
 ) : 37,5 l/s, 7,5 l/s,  
 30,0 l/s  
 ( ,  
 )  
 ) : 20 l/s

) 24 l/s ( 300m3)  
 ) ( ) – 6l/s  
 ) ( 1+ 2) Q = 10 000 W  
 ) ( 1+ 2) Q =8200 W  
 , 2 : -  
 , 5000 W, 4100 W.

, , ,  
 ,  
 .3.7

.3.7:

№		(lit)
1	00-Z1-022– .1.	2000
2	00-Z2-017 – .2.	2000
3	00-Z3-004– .3. -	2000
4	00-Z4-025*– .4. -	2000
	(I)	8000

.  
 (      )  
 (      ).  
 (      ) 2000  
 ).

.3.8:

.		(lit)
1	.1. (      ) - . 00-Z1-021*	2000
2	.2. (      ) - . 00-Z2-018*	2000
3	.3. (      ) - . 00-Z3-016	2000
4	.4 (      ) - . 00-Z4-025	2000
5	.5 (      ) - . B1-Z3-030	2000
(      )	(      )	5      10.000



III A

97/68/EC.

3.9:

	, mg/Nm <sup>3</sup>
NOx	505,54
PM	10,21
CO	32,55
HC	14,68

e) \_\_\_\_\_ ( \_\_\_\_\_ )

( \_\_\_\_\_ )

Qmax

50 l/s    250 l/s.

14

14

.3.10:

	, l/s
SEP-1	250
SEP-2	175
SEP-3	100
SEP-4	100
SEP-5	230
SEP-6	60
SEP-7	250
SEP-8	250
SEP-9	190
SEP-10	100
SEP-11	110
SEP-12	160
SEP-13	160
SEP-14	100

004-    - 04.

(    1)  
3    4,

.

1, 3 4.

.3.11:

	, l/s
1 – 3	42
2 – 4	42
1, 00	9,0
2, 00	9,0
3, 00	9,0
4, 00	9,0

005- - 04 006- - 04.

\_\_\_\_\_

,

.

: 8

, 5 ,

,

.

2 4.

,

,

5

.

,

,

,

.

,

.

,

,

,

.

,

.

,

,



.3.21:

/

( .).

Aqua-Control

Aqua-Recycling-Control

006- - 04.



2,  
3 4 1.

.3.12.

.3.12:

		, l/s	
1	00 – GI-01	10,36 ( 11,54)	NS15
2	00 – GI-02	10,7 ( 11,54)	NS15
3	00 – GI-03	7,35 ( 7,69)	NS10
4	00 – GI-04	7,35 ( 7,69)	NS10
3	1 – GI-05	6,92 ( 7,69)	NS10
4	1 – GI-06	17,25 ( 17,31)	NS22,5

005- - 04 006- - 04.

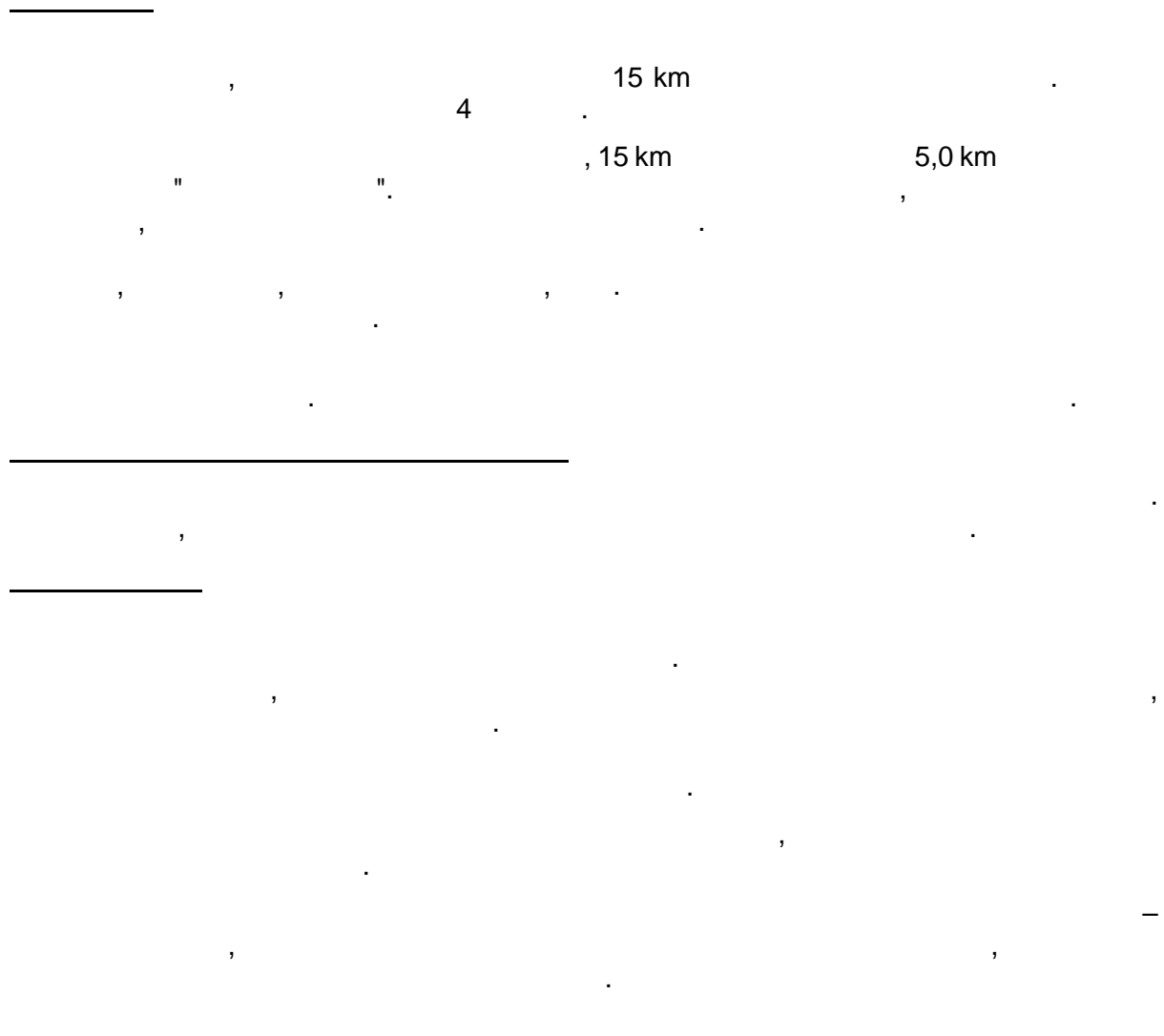
( 1).

\_\_\_\_\_

\_\_\_\_\_

1.5.8.

## 1.5.4



, 21. . 2024. . 13,

– III

: 4712/2; 4712/1;  
4711; 4763/3; 4763/2; 4729/2; 4729/6; 4729/5; 4820/44; 4823/5; 4721/2; 4753/3; 4715/33;  
4729/8; 4729/4; 4729/3; 4681/6; 4823/4; 4715/31; 4715/30; 4715/29; 4715/28; 4715/27;  
4715/26; 4784/97; 4785/19; 4820/30; 4692/5; 4761/5; 4761/4; 4737/5; 4784/119; 4757/8;  
4756/5; 4721/7; 4721/6; 4756/4; 4756/3; 4756/2; 4756/1; 4728/9; 4822/5; 4728/8; 4741/3;  
4741/2; 4726/7; 4726/6; 4800/9; 4800/8; 4784/91; 4728/7; 4728/6; 4727/3; 4728/3; 4764;  
4807/5; 4804/3; 4804/2; 4713/2; 4806/4; 4728/5; 4742/4; 4742/3; 4757/6; 4727/7; 4727/6;  
4727/5; 4727/4; 4715/45; 4715/44; 4715/43; 4715/42; 4715/22; 4715/21; 4715/20; 4715/19;  
4715/18; 4715/17; 4715/16; 4715/25; 4714/3; 4715/41; 4715/40; 4715/39; 4715/37; 4715/36;  
4714/9; 4714/8; 4714/7; 4715/24; 4715/23; 4753/2; 4785/35; 4784/121; 4822/3; 4737/6;  
4715/38; 4761/3; 4715/34; 4804/1; 4737/3; 4715/15; 4715/14; 4681/5; 4704/3; 4757/10;  
4757/9; 4763/1; 4738/4; 4820/33; 4714/4; 4727/8; 4738/3; 4738/2; 4693/2; 4739/3; 4739/2;  
4762/2; 4762/1; 4822/4; 4721/5; 4721/4; 4721/3; 4692/4; 4729/7;

: 4709; 4736; 4729/1; 4798/5; 4820/28; 4721/1; 4753/1;  
4688/7; 4780/7; 4743; 4785/23; 4785/21; 4747; 4823/10; 4737/4; 4820/10; 4797; 4784/120;  
4757/7; 4688/1;

05.04.2024. — , 952-06-223-17/2024,  
(  
)

)	4727/9	4727/6
)	4727/13	4727/7
)	4728/33	4727/3
)	4742/5	4742/3
)	4728/21	4728/6
)	4728/7	4728/8

:

---

---

---

---

---

---

[illegible]

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

) \_\_\_\_\_ :

) \_\_\_\_\_ :

) \_\_\_\_\_ :

) \_\_\_\_\_ :

) \_\_\_\_\_ :

) \_\_\_\_\_ :

) ( , , ) :

) \_\_\_\_\_ :

) \_\_\_\_\_ :

) \_\_\_\_\_ :

) \_\_\_\_\_ :

) : , .  
 :  
 ) : .  
 ) : .  
 ) : .  
 ) : .  
 ) : .





1. 2023 053- 04

2. 2023 053- 04

3. 2023 053- 04

4. 2023 053- 04

5. 2023 053- 04

6. 2023 053- 04

7. 2023 053- 04

8. 2023 053- 04

9. 2023 053- 04

10. 2023 053- 04

11. 2023 053- 04

12. 2023 053- 04

13. 2023 053- 04

14. 2023 053- 04

15. 2023 053- 04

16. 2023 053- 04

17. 2023 053- 04

18. 2023 053- 04

19. 2023 053- 04

20. 2023 053- 04

21. 2023 053- 04

22. 2023 053- 04

23. 2023 053- 04

24. 2023 053- 04

25. 2023 053- 04

26. 2023 053- 04

27. 2023 053- 04

28. 2023 053- 04

29. 2023 053- 04

30. 2023 053- 04

31. 2023 053- 04

32. 2023 053- 04

33. 2023 053- 04

34. 2023 053- 04

35. 2023 053- 04

36. 2023 053- 04

37. 2023 053- 04

38. 2023 053- 04

39. 2023 053- 04

40. 2023 053- 04

41. 2023 053- 04

42. 2023 053- 04

43. 2023 053- 04

44. 2023 053- 04

45. 2023 053- 04

46. 2023 053- 04

47. 2023 053- 04

48. 2023 053- 04

49. 2023 053- 04

50. 2023 053- 04

51. 2023 053- 04

52. 2023 053- 04

53. 2023 053- 04

54. 2023 053- 04

55. 2023 053- 04

56. 2023 053- 04

57. 2023 053- 04

58. 2023 053- 04

59. 2023 053- 04

60. 2023 053- 04

61. 2023 053- 04

62. 2023 053- 04

63. 2023 053- 04

64. 2023 053- 04

65. 2023 053- 04

66. 2023 053- 04

67. 2023 053- 04

68. 2023 053- 04

69. 2023 053- 04

70. 2023 053- 04

71. 2023 053- 04

72. 2023 053- 04

73. 2023 053- 04

74. 2023 053- 04

75. 2023 053- 04

76. 2023 053- 04

77. 2023 053- 04

78. 2023 053- 04

79. 2023 053- 04

80. 2023 053- 04

81. 2023 053- 04

82. 2023 053- 04

83. 2023 053- 04

84. 2023 053- 04

85. 2023 053- 04

86. 2023 053- 04

87. 2023 053- 04

88. 2023 053- 04

89. 2023 053- 04

90. 2023 053- 04

91. 2023 053- 04

92. 2023 053- 04

93. 2023 053- 04

94. 2023 053- 04

95. 2023 053- 04

96. 2023 053- 04

97. 2023 053- 04

98. 2023 053- 04

99. 2023 053- 04

100. 2023 053- 04

---

### III A

**.5.1 –**

	, mg/Nm <sup>3</sup>
NOx	505,54
PM	10,21
CO	32,55
HC	14,68

“ .92/10, 77/2021),  
,  
.  
1.5.3. .

8 , . . 2023 053- - 04 5.4

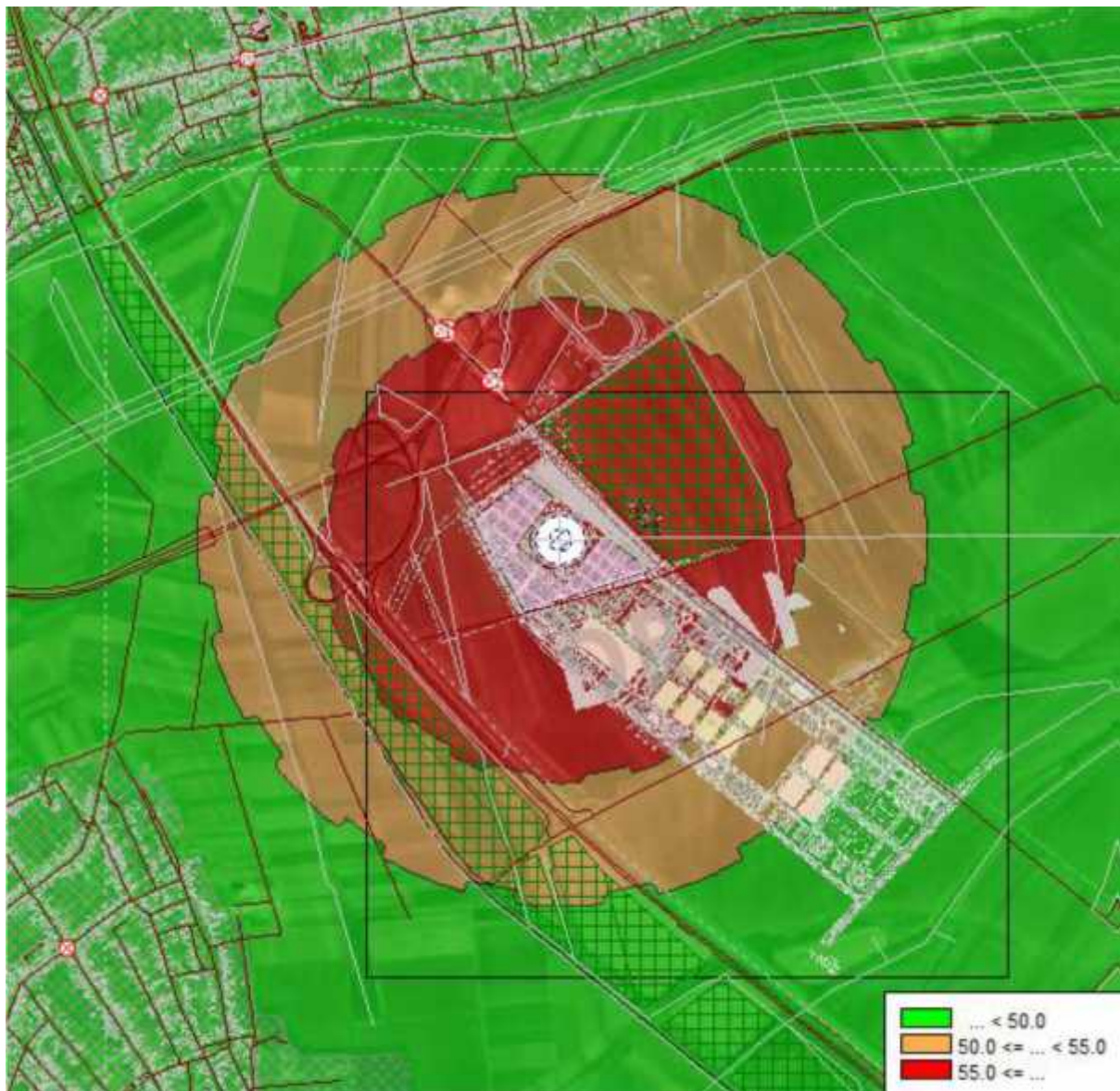
6

:

	, dB	, dB
1	50	40
5	65	55
4	60	50

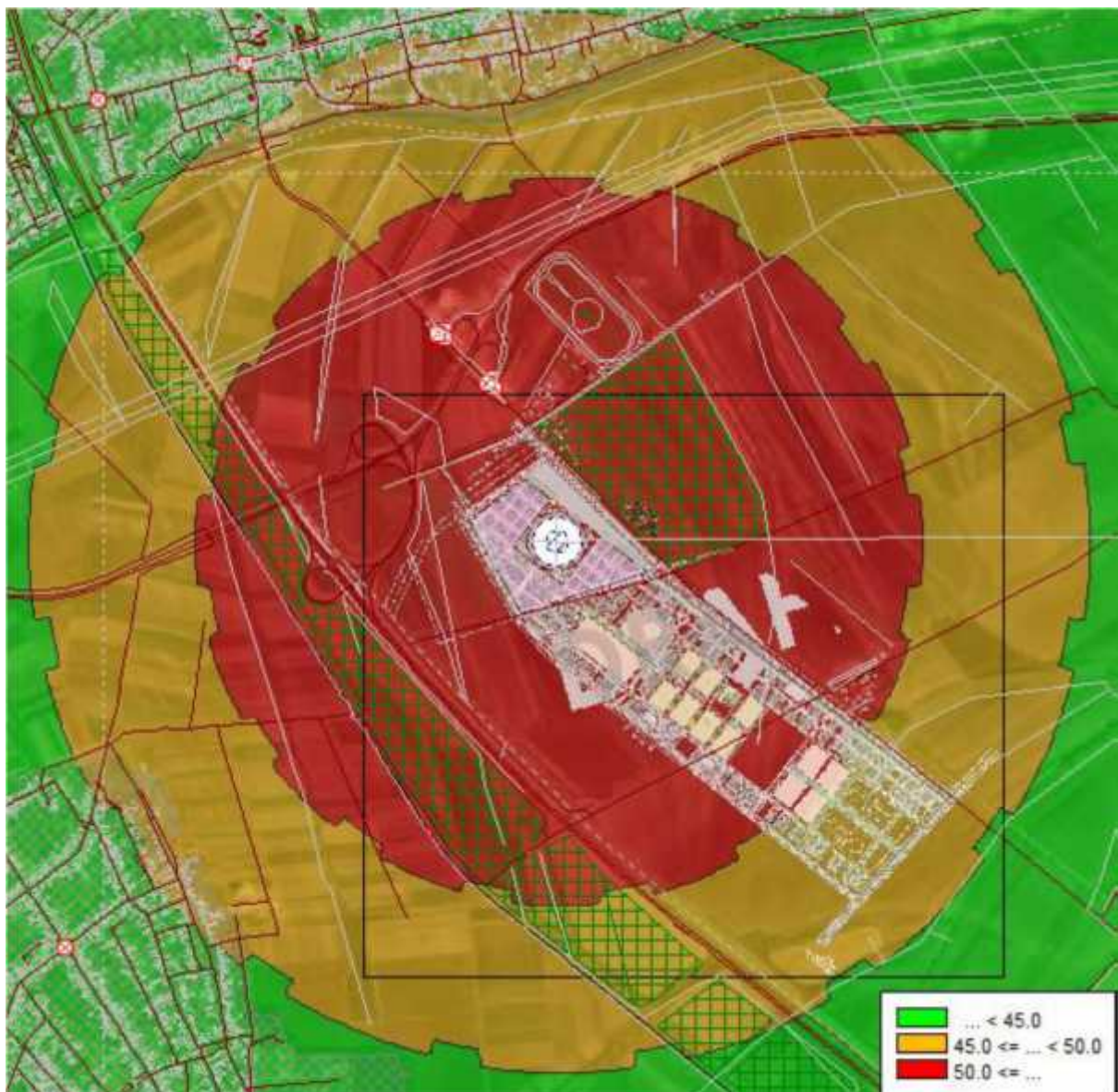
40 dB

50 dB



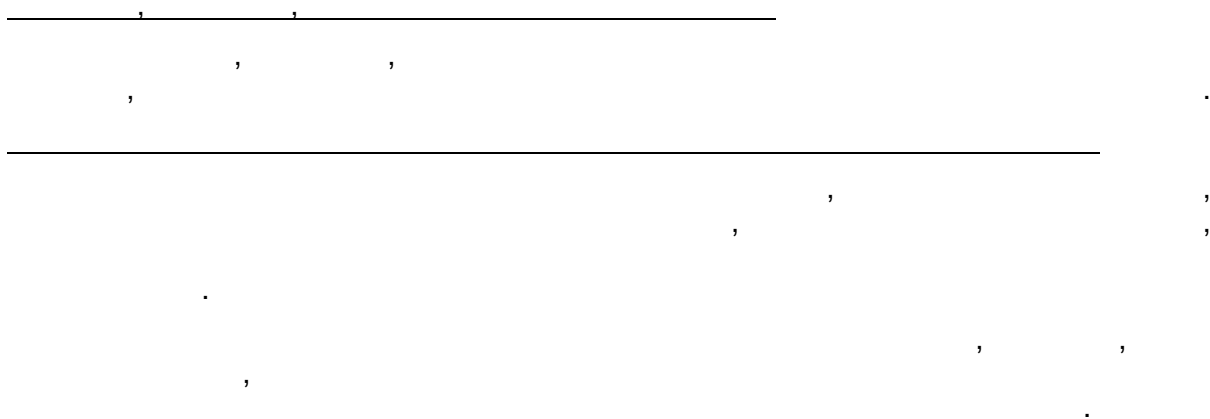
.5.1:

-



.5.2:

.5.1 .5.2.



4 km

12

1981 1983.

48 m

53 m

62 64 m

( , .)

(  
” “ ).  
( .5.3).



.5.3.

11

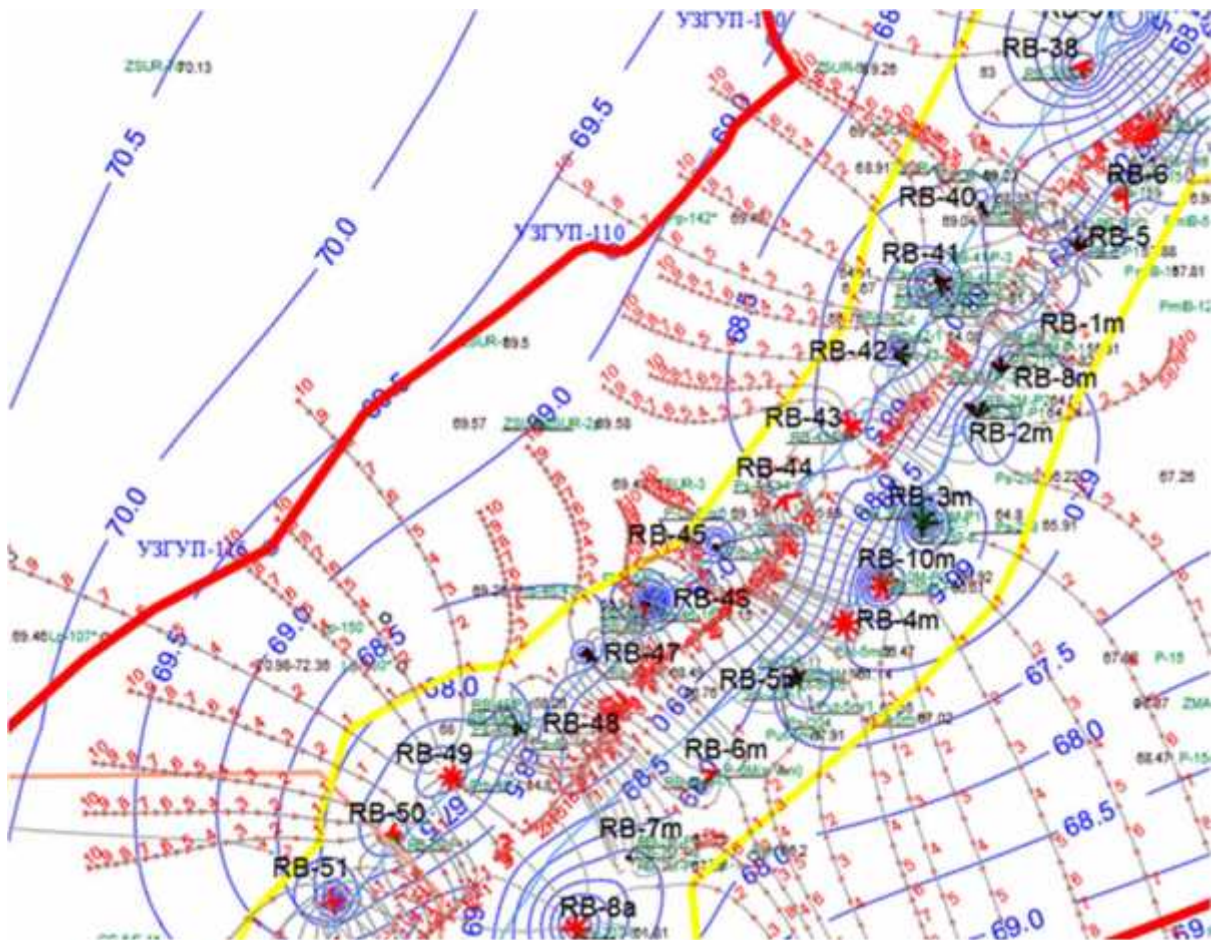
500 l/s,  
55 l/s, 12%



5.4

297 l/s

“ ( ) ”



5.4.

( )

– III

III ( ) II ( )

( III).

:

)

( „ „, . 92/08),

)

(

, :

530-01-48/2014-10 01.08.2014. ),

)

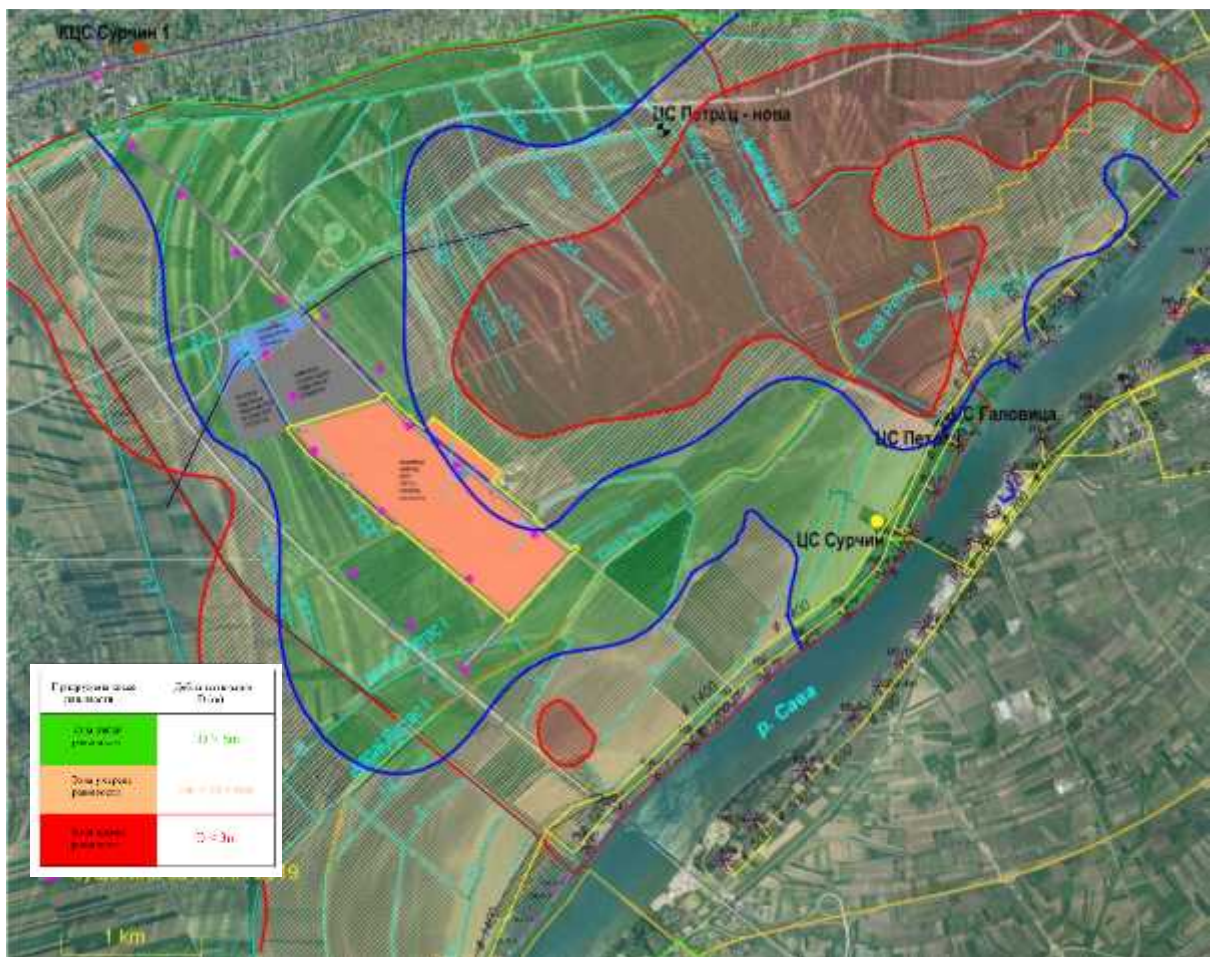
( „, 2013. .). „

(, „. 92/08),

(. 530-01-48/2014-10 01.08.2014. , III ( ) II ( )

(.5.5).

$K < 1 \times 10^{-7}$  m/s.



.5.5.

„EXPO“

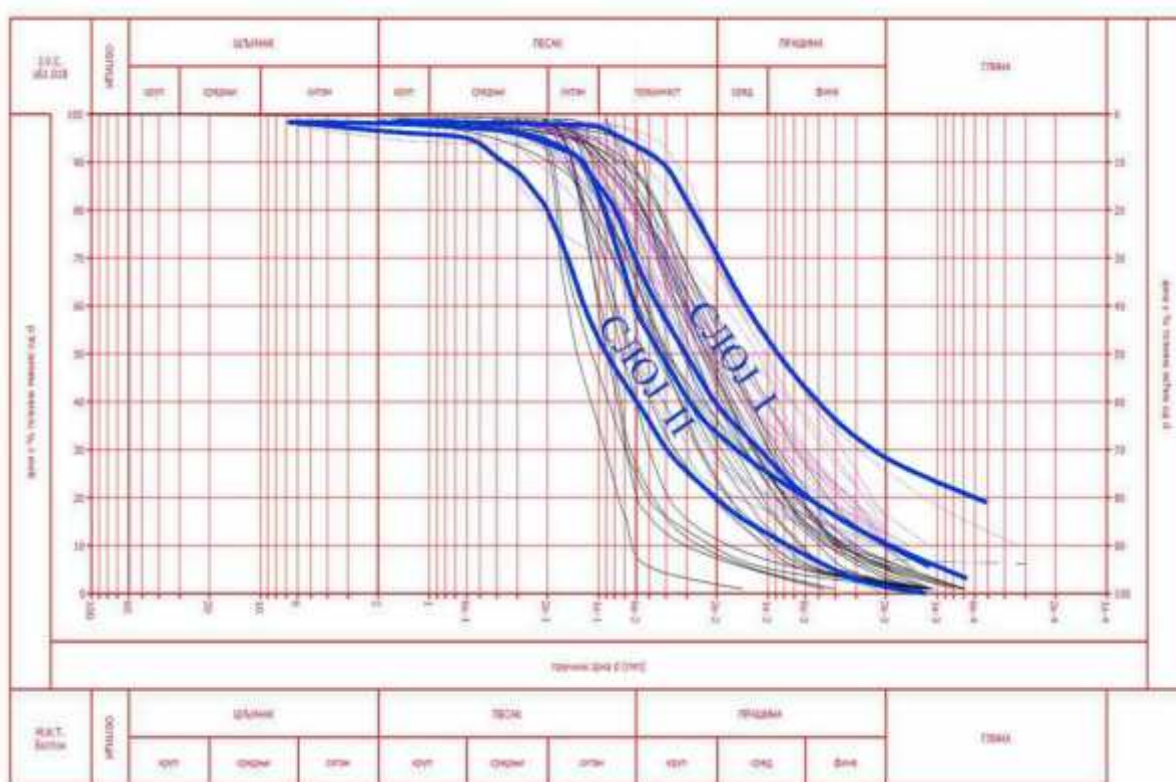
m). ,

( 6



(.5.6).

2019), 17 (2019), 1,2-4,0 m. 2,3 m,



5.6: (2019– )

:  
 ,  
 .  
 1 2,5 m.  
 ,  
 400 l/s ( 2005-2012 ).  
 (2012 .)  
 -40 -51  
 300 l/s,  
 780 l/s.  
 25 l/s ( 4 km),  
 60 l/s.  
 85 l/s.  
 1 m ( 2 m  
 ).  
 ( , ,  
 ).  
 :  
 )  
 ( , ),  
 )  
 ,  
 85 l/s,  
 )  
 .  
 ,  
 .  
 ,  
 .  
 ( , , , .)  
 ,  
 .

.  
 ( : ,  
 , ,  
 ( , ) ,  
 ( , ) .  
 ,  
 .

---



---

} :  
 ,  
 ,  
 -  
 ,  
 .

---

.  
 .  
 .  
 ,  
 ,  
 .  
 ,  
 .

---

,  
 ,  
 .  
 .  
 ,  
 ,  
 .  
 .

)

---

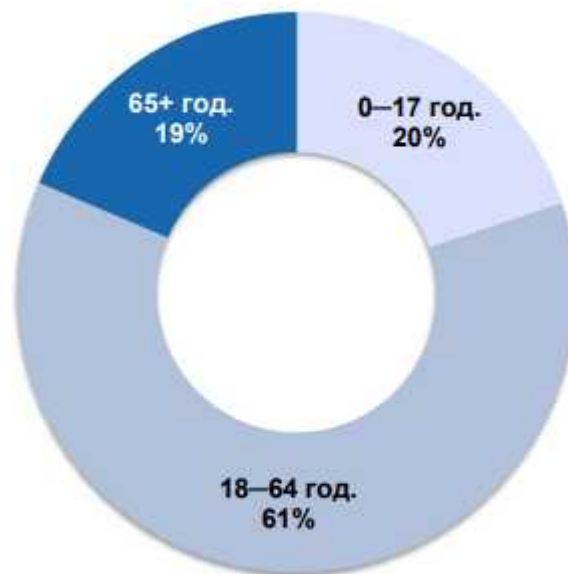


## 1.5.6

( )

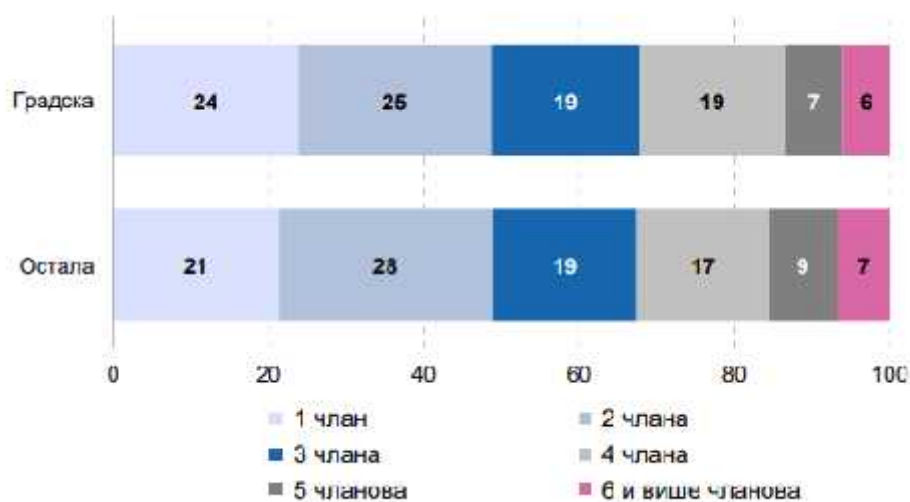
---

42.012 . ( 2022 288 km<sup>2</sup> . 2011. 45.386, 7,56% 2011 . 17 ( , ), , , , , (198,16 2). , , 2022 . 2024 , 2022 : ) : 288 km<sup>2</sup> ) : 7 ) - 45386 ) : 158/km<sup>2</sup> ) - 42 ) 2,86 ) ( - ) - 39673 ) ( ) - 29837



2022

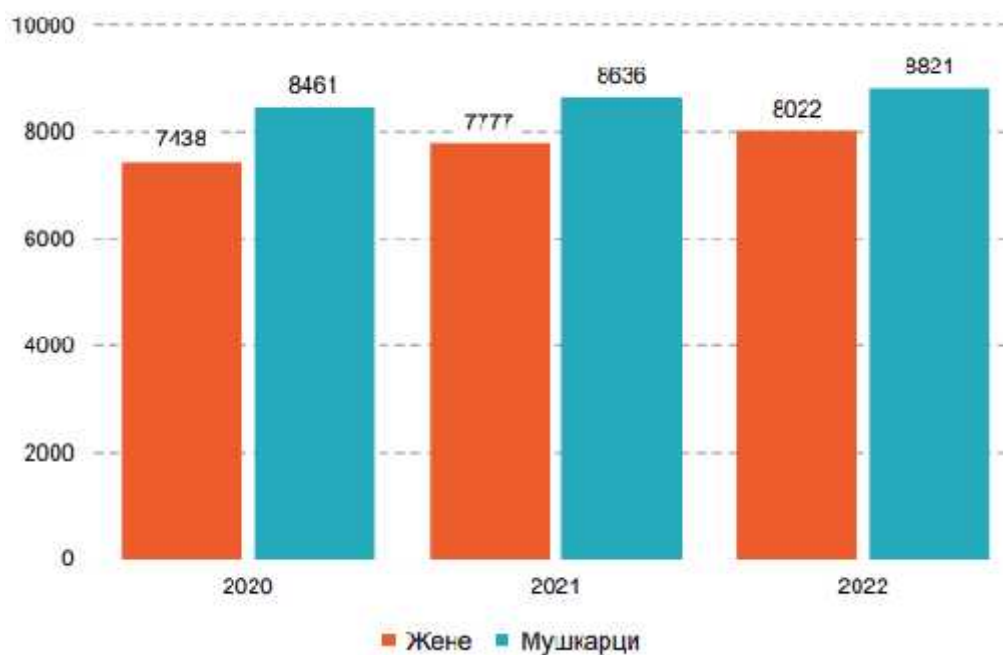
2022  
, 2022. (%)



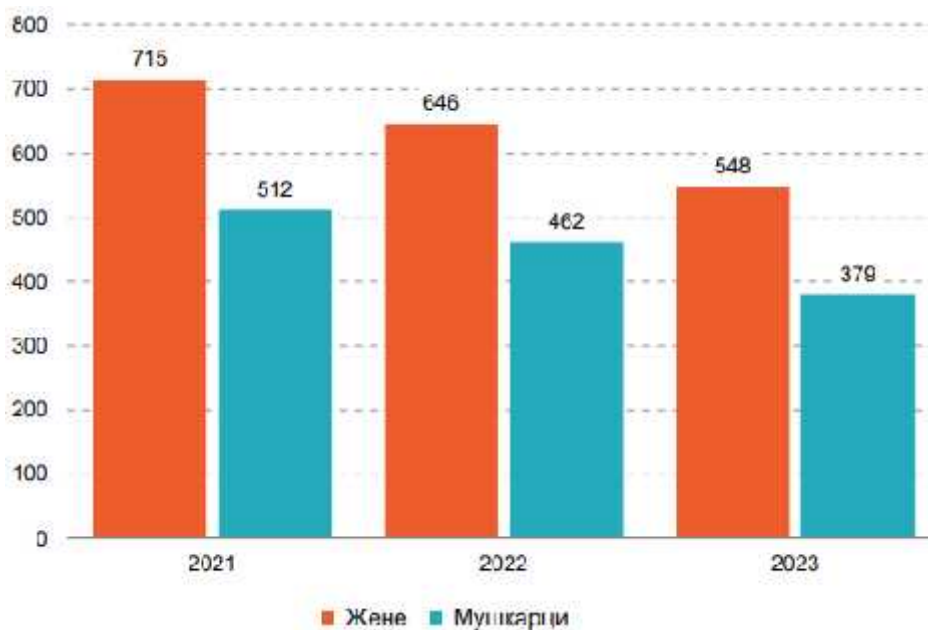
, 2011 2022 (%)



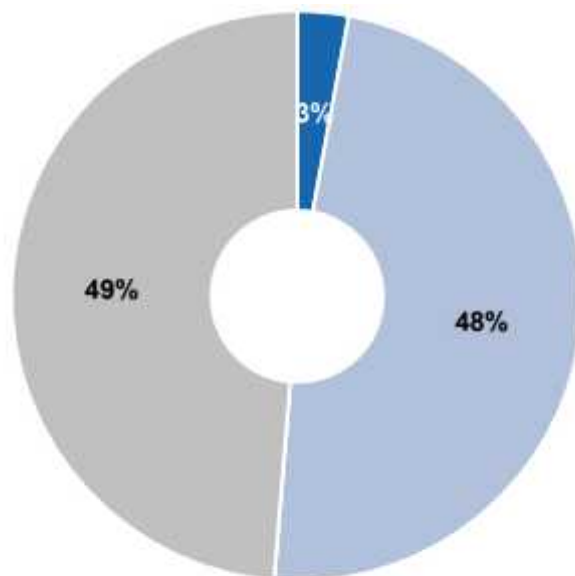
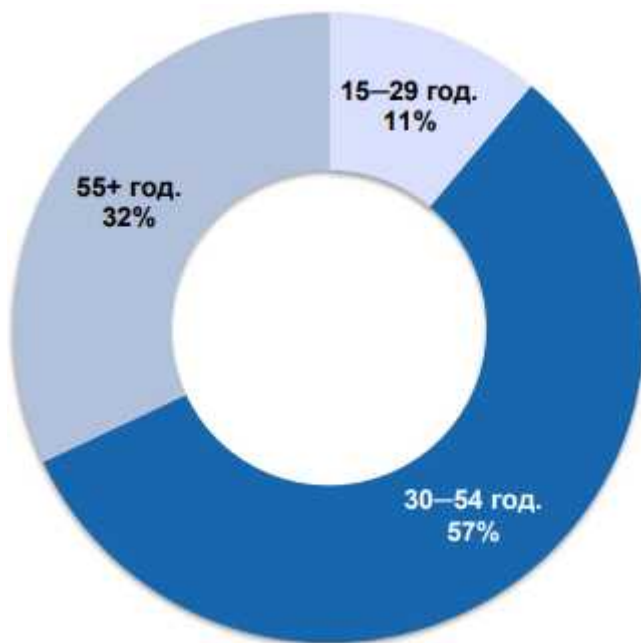
) 18426 (2022)  
 ) 16843 (2022)  
 )  
 ) 37 (2022)  
 ) ( ) 77951 (2023)  
 ) 927 (2023)  
 ) 1 000 24 (2022)  
 ) , 2020 2022.\*



, 2021 2023.\*







- Здравствена заштита
- Образовање
- Социјална заштита
- Остале делатности

, 2023

2022

, 2022:

)  
)  
)  
)

( ) 688412  
( ) 15168  
( ) 734109  
( ) 16175

6

30

– 4032

– 11

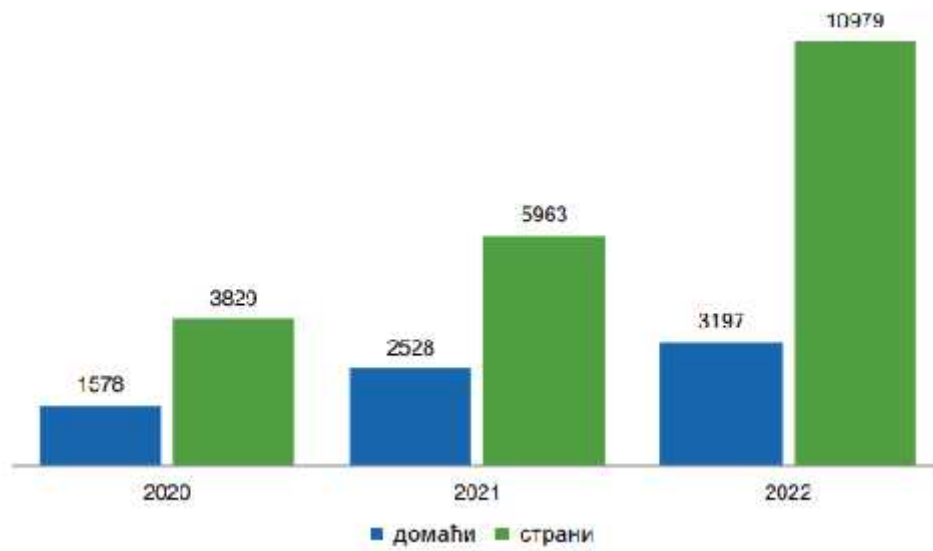
(km) – 171

1000

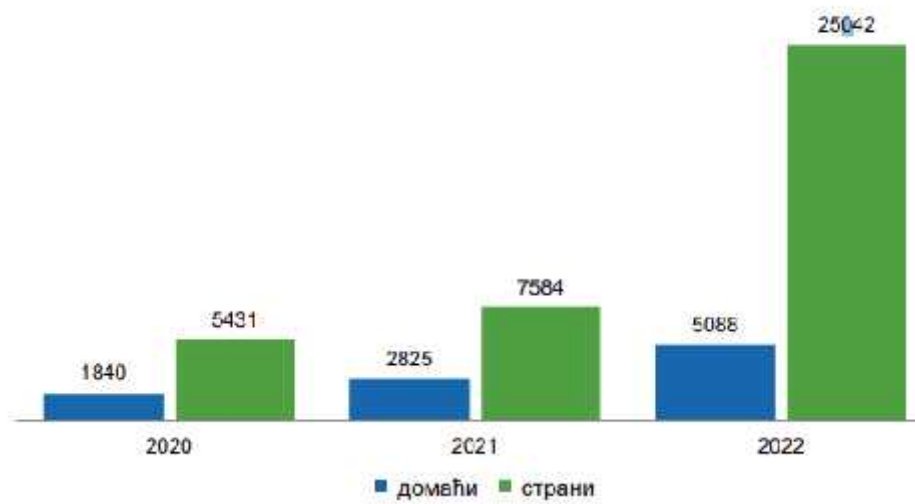
– 2

60ha (ha) – 2075, 2015ha

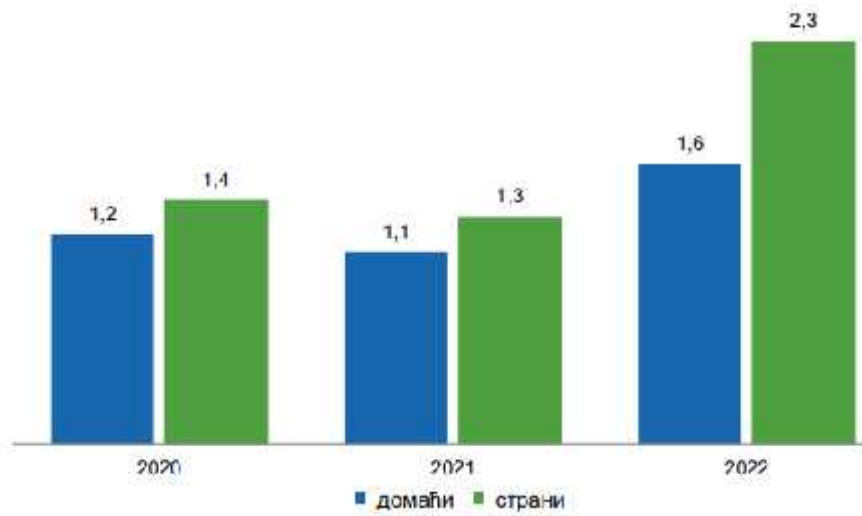
, 2020 2022.



, 2020 2022.



, 2020 2022



150.

52000  
2500

4727/9; 4727/13; 4728/7; 4728/8; 4728/21; 4728/33; 4742/5 . .

1965.

629,51

185

165

15

15

108

10

30%

8

11km

(„ . „, 30/2018 64/2019).

.6.1:

			cm		km
2020	37	44.77422, 20.35430	10	Zn, Cu, Ni, Cr, As,  C6-C40	4,67
2020	37	44.77422, 20.35430	50	Zn, Ni, Cr, As	4,67
/ / 2022		44.78983, 20.25882	10	Ni, C6-C40	
/ / 2022		44.78983, 20.25882	50	Ni	
/ / 2022	-	44.79068 20.27067	10	Ni, C6-C40	2,28
/ / 2022	-	44.79068 20.27067	50	Ni	2,28

2021, 2023 2024

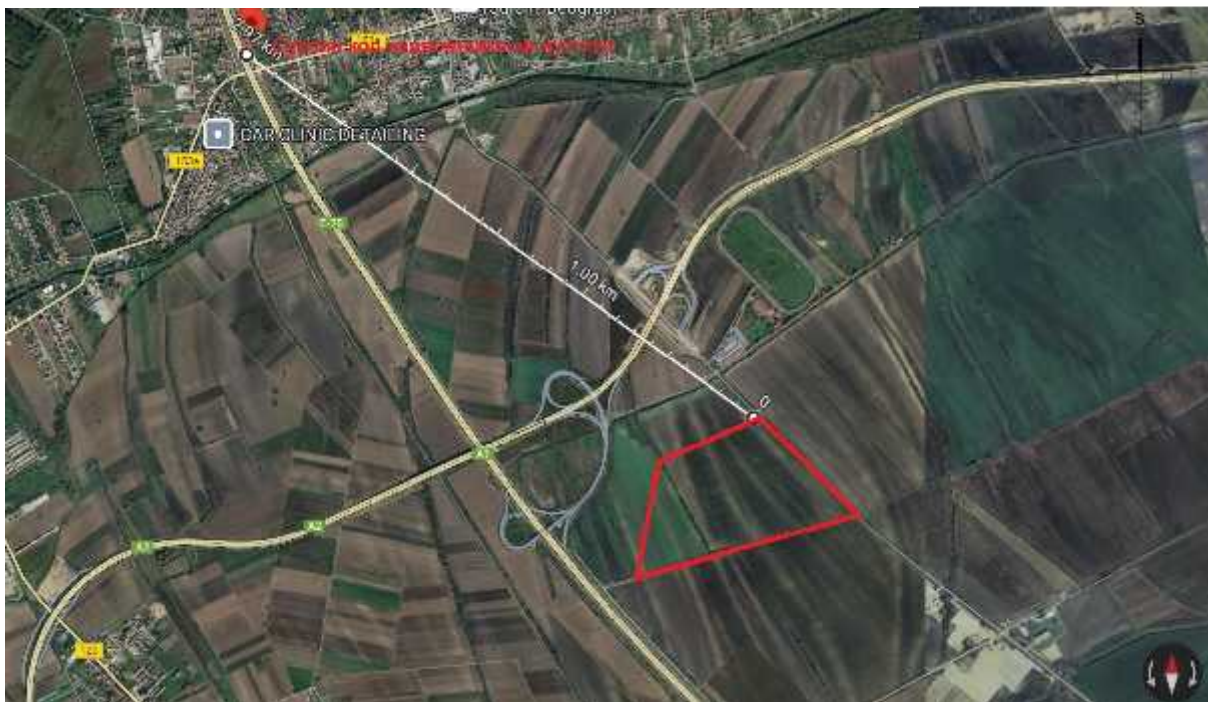
( .6.1, .6.2, .6.3)



.6.1 –

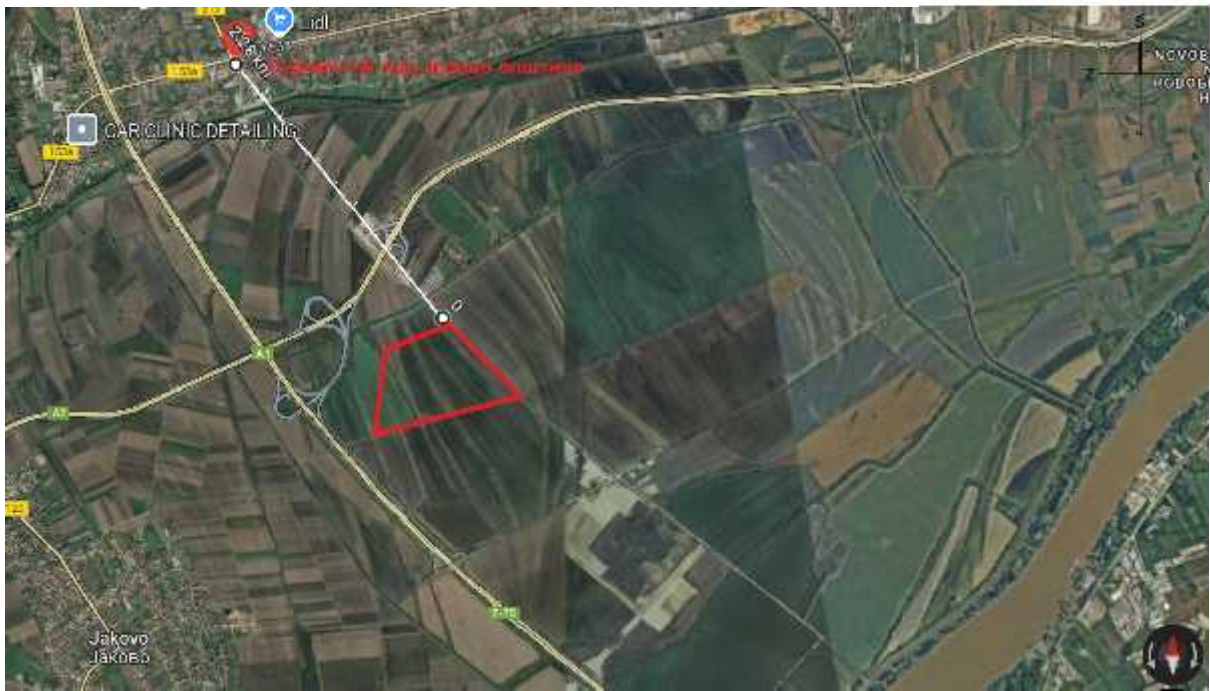
37

е локације



.6.2 –

-



.6.3 –

(  
( 2934) , 72 / 2023),  
)  
) –  
) ( ) – 28,635  
) - SA-1  
) - .

( , 74 / 2011), 1, ,  
, ( 2 – SA-1)  
3,  
, 74 / 2011), (

(„ . „, . 50/2012),

(„ . „, . 74/2011).

(„ . „, . 24/2014).



) : 12km  
 (44°40'06"N 20°14'40"E) .  
 ) : 4,9km  
 (44°45'58"N 20°21'24"E)  
 .5.4  
 , .5.2



.6.4 –

.6.2 –

	–	
2020		
29.01	III	
04.03	II	
26.03	IV	
01.04	III	
29.04	IV	
04.05	III	, („ . „, . 24/2014),
25.05	II	
02.06.	III	
22.06	IV	
08.07	IV	
22.07	III	, („ . „, . 24/2014),

	-	
10.08	III	
20.08	III	
12.09	III	<p>“ ,  . 24/2014)</p>
23.09	II	<p>“ ,  . 24/2014)</p>
05.10	II	
26.10	III	
03.11	III	
23.11	IV	
01.12	IV	<p>“ , . 24/2014),  1.  ,</p>
22.12	IV	
<b>2021</b>		
05.01	III	
21.01	III	
08.02	IV	
25.02	V	
09.03	IV	
30.03	IV	
05.04	IV	
21.04	IV	
07.07	III	<p>7.  ,</p>
28.07	II	
02.08	IV	
25.08	IV	
09.09	IV	



	-	
28.09	II	24/2014) („ . “ , .
07.10	IV	.
19.10	III	
02.11	IV	
24.11	IV	
06.12	IV	,
20.12	III	24/2014) („ . “ , .
<b>2022</b>		
13.01	IV	
25.01	IV	
08.02	III	
25.02	III	
01.03	IV	
28.03	III	
04.04	IV	
27.04	V	
09.05	III	9. , 24/2014) („ . “ , .
24.05	III	.
08.06	IV	
22.06	III	
05.07	III	5. , .
27.07	II	.
02.08	III	
24.08	IV	
02.09	IV	
26.09	IV	
04.10	IV	
26.10	III	
02.11	III	
22.11	IV	
05.12	III	.

	-	
20.12	III	
<b>2023</b>		
05.01	III	
25.01	III	
07.02	III	
20.02	III	
02.03	IV	
21.03	III	
03.04	III	
26.04	IV	
03.05	II	3. je a
22.05	III	
06.06	III	
21.06	IV	
04.07	III	
27.07	II	
09.08	III	
29.08	III	
12.09	III	
22.09	III	
02.10	III	
24.10	III	
1.11	III	
22.11	IV	
04.12	III	
22.12	III	
<b>2024</b>		
11.01	III	
22.01	IV	
01.02	III	
26.02	III	
07.03	III	
25.03	III	
09.04	III	
29.04	IV	
09.05	IV	
30.05	III	
05.06	II	
25.06	II	
03.07	III	,

	-	
31.07	III	
06.08	II	
27.08	III	
02.09	III	2.
		.
		.
		.
24.09	IV	
03.10	III	
29.10	IV	
04.11	IV	
25.11	V	

50km.

10

) 20°10'02"E) . : 10,05km (44°48'46"N  
 ) 20°21'03"E) - : 4,42km (44°46'09"N

.6.5 .6.6  
 : , .6.3 2



.6.5 –



.6.6 –

.6.3 –

	-	-	
<b>2020</b>			
09.03	V	IV	
09.04	IV	IV	

	-	-	
06.05	V	V	
09.06	V	IV	
07. 07	V	IV	
12.08	V	V	
11.09	V	V	
12.10	V	V	
16. 11	V	V	
08.12	V	IV	
<b>2021</b>			
14.01	V	V	
02. 02	V	IV	
08.03	V	V	
08. 04	III	IV	
19.07	V	V	
04.08	V	V	
29.09	V	V	
05.10	V	V	
09.11	V	V	
09.12	V	V	
<b>2022</b>			
13.01	IV	IV	
03.02	IV	IV	
07.03	IV	IV	
06.04	V	V	
11.05	V	V	

	-	-	
15.06	V	V	
06.07	V	V	
03.08	V	V	
20.09	V	V	
10.10	V	IV	
01.11	V	V	
06.12	V	V	
<b>2023</b>			
10.01	V	V	
05.02	IV	V	
08.03	IV	IV	
05.04	V	V	
18.05	V	IV	
18.06	V	V	
11.07	V	V	
15.08	V	V	
05.09	V	V	(„ . „, . 24/2014).
10.10	V	V	
13.11	V	V	
<b>2024</b>			

	-	-	
17.01	V	V	
07.02	IV	IV	
06.03	V	IV	
10.04 / 11.04	V	IV	
15.05	V	V	
05.06	V	V	
09.07	V	V	
13.08	V	V	
02.09	V	V	<p>‘</p> <p>‘</p> <p>(„ . “, . 24/2014).</p> <p>.</p> <p>‘</p> <p>‘</p> <p>.</p> <p>‘</p> <p>‘</p> <p>.</p>
03.10	V	IV	
18.11	V	V	

, IV V .

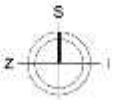
2023

:

)
)
)
)
)
)
)

(NO<sub>2</sub>)
P<sub>10</sub>
P<sub>2,5</sub>
(SO<sub>2</sub>)

.6.7





.6.7 –

24-		<i>P</i> <sub>10</sub>	
8		,	80, - 2023
15		,	80, -
2023			
14		,	80, - 2023
2		,	80, - 2023
1		,	80, -
2023			
11		,	97 – 2023
9		,	97 – 2024
13		,	97 – 2024
6		,	97 – 2024
1		,	97 – 2024
3		,	97 – 2024
1	e	,	97 – 2024
3	e	,	97 – 2024
9		,	97 – 2024
18		,	97 – 2024





.6.4 –

NO<sub>2</sub>

		I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
2023													
	[µg/m <sup>3</sup> ]	20	25	23	18	14	13	16	20	20	22	18	26
Min	[µg/m <sup>3</sup> ]	10	5	10	8	6	5	9	7	7	11	6	13
Max	[µg/m <sup>3</sup> ]	31	38	38	29	24	21	26	33	32	35	28	48
> /1	[µg/m <sup>3</sup> ]	0	0	0	0	0	0	0	0	0	0	0	0
> /8	[µg/m <sup>3</sup> ]				/	/	/	/	/	/	/	/	/
> /8	[µg/m <sup>3</sup> ]	/	/	/	/	/	/	/	/	/	/	/	/
> /24	[µg/m <sup>3</sup> ]	0	0	0	0	0	0	0	0	0	0	0	0
2024													
	[µg/m <sup>3</sup> ]	26	23	18	15	12	14	15	22	20	21	57	
Min	[µg/m <sup>3</sup> ]	9	9	5	8	4	5	8	9	5	11	13	
Max	[µg/m <sup>3</sup> ]	42	38	33	25	23	28	25	35	37	35	124	
> /1	[µg/m <sup>3</sup> ]	0	0	0	0	0	0	0	0	0	0	/	
> /8	[µg/m <sup>3</sup> ]	/	/	/	/	/	/	/	/	/	/	/	
> /8	[µg/m <sup>3</sup> ]	/	/	/	/	/	/	/	/	/	/	/	
> /24	[µg/m <sup>3</sup> ]	0	0	0	0	0	0	0	0	0	0	18	

.6.5 –

PM<sub>10</sub>

		I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
2023													
	[µg/m <sup>3</sup> ]	41	62	45	31	25	22	22	22	21	21	19	44
Min	[µg/m <sup>3</sup> ]	12	11	11	15	11	11	8	7	9	7	8	12
Max	[µg/m <sup>3</sup> ]	86	133	85	61	50	44	36	36	32	61	48	100
> /1	[µg/m <sup>3</sup> ]	/	/	/	/	/	/	/	/	/	/	/	/
> /8	[µg/m <sup>3</sup> ]				/	/	/	/	/	/	/	/	/
> /8	[µg/m <sup>3</sup> ]	/	/	/	/	/	/	/	/	/	/	/	/
> /24	[µg/m <sup>3</sup> ]	8	15	14	2	0	0	0	0	0	1	0	11
2024													
	[µg/m <sup>3</sup> ]	38	53	36	28	19	25	26	30	31	37	57	
Min	[µg/m <sup>3</sup> ]	13	20	14	10	8	12	13	13	3	15	13	
Max	[µg/m <sup>3</sup> ]	83	105	85	119	31	55	46	57	74	80	124	
> /1	[µg/m <sup>3</sup> ]	/	/	/	/	/	/	/	/	/	/	/	
> /8	[µg/m <sup>3</sup> ]	/	/	/	/	/	/	/	/	/	/	/	
> /8	[µg/m <sup>3</sup> ]	/	/	/	/	/	/	/	/	/	/	/	
> /24	[µg/m <sup>3</sup> ]	9	13	6	1	0	3	0	1	3	9	18	

.6.6 –

**PM<sub>2,5</sub>**

		I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
2023													
	[µg/m <sup>3</sup> ]	35	46	27	22	15	14	14	15	14	16	18	42
Min	[µg/m <sup>3</sup> ]	11	10	8	10	8	7	6	4	8	5	7	10
Max	[µg/m <sup>3</sup> ]	77	109	52	52	25	24	24	25	21	54	47	98
> /1	[µg/m <sup>3</sup> ]	/	/	/	/	/	/	/	/	/	/	/	/
> /8	[µg/m <sup>3</sup> ]	/	/	/	/	/	/	/	/	/	/	/	/
> /8	[µg/m <sup>3</sup> ]	/	/	/	/	/	/	/	/	/	/	/	/
> /24	[µg/m <sup>3</sup> ]	/	/	/	/	/	/	/	/	/	/	/	/
2024													
	[µg/m <sup>3</sup> ]	37	39	25	15	11	14	14	14	15	24	47	
Min	[µg/m <sup>3</sup> ]	13	14	10	6	6	7	5	7	2	9	9	
Max	[µg/m <sup>3</sup> ]	76	86	47	33	18	24	23	24	28	57	104	
> /1	[µg/m <sup>3</sup> ]	/	/	/	/	/	/	/	/	/	/	/	
> /8	[µg/m <sup>3</sup> ]	/	/	/	/	/	/	/	/	/	/	/	
> /8	[µg/m <sup>3</sup> ]	/	/	/	/	/	/	/	/	/	/	/	
> /24	[µg/m <sup>3</sup> ]	/	/	/	/	/	/	/	/	/	/	/	

.6.7 –

**O<sub>3</sub>**

		I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
2023													
	[µg/m <sup>3</sup> ]	42	59	75	85	85	93	111	105	94	64	48	34
Min	[µg/m <sup>3</sup> ]	19	35	38	62	57	52	73	82	56	38	16	12
Max	[µg/m <sup>3</sup> ]	71	80	103	119	120	165	149	151	125	94	65	66
> /1	[µg/m <sup>3</sup> ]	/	/	/	/	/	/	/	/	/	/	/	/
> /8	[µg/m <sup>3</sup> ]	/	/	/	/	/	/	/	/	/	/	/	/
> /8	[µg/m <sup>3</sup> ]	0	0	0	0	0	4	11	3	3	0	0	0
> /24	[µg/m <sup>3</sup> ]	/	/	/	/	/	/	/	/	/	/	/	/
2024													
	[µg/m <sup>3</sup> ]	50	62	74	92	91	104	118	121	87	56	36	
Min	[µg/m <sup>3</sup> ]	27	44	39	60	64	60	66	87	38	28	15	
Max	[µg/m <sup>3</sup> ]	71	76	99	113	115	146	151	176	143	71	58	
> /1	[µg/m <sup>3</sup> ]	/	/	/	/	/	/	/	/	/	/	/	
> /8	[µg/m <sup>3</sup> ]	/	/	/	/	/	/	/	/	/	/	/	
> /8	[µg/m <sup>3</sup> ]	0	0	0	0	0	6	15	14	5	0	0	
> /24	[µg/m <sup>3</sup> ]	/	/	/	/	/	/	/	/	/	/	/	

.6.8 –

**SO<sub>2</sub>**

		I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
2023													
	[µg/m <sup>3</sup> ]	/	/	/	6	4	5	9	8	11	15	13	14
Min	[µg/m <sup>3</sup> ]	/	/	/	3	3	3	4	5	9	10	11	11
Max	[µg/m <sup>3</sup> ]	/	/	/	18	7	16	26	19	16	27	22	20
> /1	[µg/m <sup>3</sup> ]	/	/	/	0	0	0	0	0	0	0	0	0
> /8	[µg/m <sup>3</sup> ]	/	/	/	/	/	/	/	/	/	/	/	/
> /8	[µg/m <sup>3</sup> ]	/	/	/	/	/	/	/	/	/	/	/	/
> /24	[µg/m <sup>3</sup> ]	/	/	/	0	0	0	0	0	0	0	0	0
2024													
	[µg/m <sup>3</sup> ]	15	17	16	16	9	9	13	13	9	7	7	
Min	[µg/m <sup>3</sup> ]	12	13	13	14	4	6	9	5	6	5	5	
Max	[µg/m <sup>3</sup> ]	19	31	31	28	23	19	27	37	29	13	14	
> /1	[µg/m <sup>3</sup> ]	0	0	0	0	0	0	0	0	0	0	0	
> /8	[µg/m <sup>3</sup> ]	/	/	/	/	/	/	/	/	/	/	/	
> /8	[µg/m <sup>3</sup> ]	/	/	/	/	/	/	/	/	/	/	/	
> /24	[µg/m <sup>3</sup> ]	0	0	0	0	0	0	0	0	0	0	0	

.6.9 –

**CO**

		I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
2023													
	[mg/m <sup>3</sup> ]	/	/	/	0,4	0,1	0,1	0,2	0,2	0,4	0,6	0,9	1,7
Min	[mg/m <sup>3</sup> ]	/	/	/	0,2	0,1	0,1	0,1	0,1	0,2	0,3	0,5	0,7
Max	[mg/m <sup>3</sup> ]	/	/	/	0,8	0,3	0,2	0,3	0,7	0,5	1,0	1,7	3,2
> /1	[mg/m <sup>3</sup> ]	/	/	/	/	/	/	/	/	/	/	/	/
> /8	[mg/m <sup>3</sup> ]	/	/	/	0	0	0	0	0	0	0	0	0
> /8	[mg/m <sup>3</sup> ]	/	/	/	/	/	/	/	/	/	/	/	/
> /24	[mg/m <sup>3</sup> ]	/	/	/	0	0	0	0	0	0	0	0	0
2024													
	[mg/m <sup>3</sup> ]	1,6	1,4	0,6	0,5	0,3	0,7	1,0	1,0	0,8	1,0	1,2	
Min	[mg/m <sup>3</sup> ]	1,0	0,3	0,3	0,4	0,2	0,3	0,9	0,3	0,5	0,5	0,6	
Max	[mg/m <sup>3</sup> ]	2,7	2,4	1,2	1,0	0,6	0,9	1,1	1,4	1,0	1,8	2,2	
> /1	[mg/m <sup>3</sup> ]	/	/	/	/	/	/	/	/	/	/	/	
> /8	[mg/m <sup>3</sup> ]	0	0	0	0	0	0	0	0	0	0	0	
> /8	[mg/m <sup>3</sup> ]	/	/	/	/	/	/	/	/	/	/	/	
> /24	[mg/m <sup>3</sup> ]	0	0	0	0	0	0	0	0	0	0	0	

\_\_\_\_\_

(“ . ”, . 96/2021),

, , („ „,

75/2010), („

“, . 72/2010) („

(„ „. 139/2022),

.

24 ,

( ),

79,

)  
 )  
 )  
 )

.6.8



.6.8 –

2020 – 2024 .6.10

.6.10

			(L <sub>ReqT</sub> )				
			(L <sub>day</sub> ) dBA	(L <sub>evening</sub> ) dBA	(L <sub>night</sub> ) dBA		
1.	2020	/	65.5	62.3	61.4	65	55
2.	2020	0	66.7	64.5	61.4	65	55
3.	2021	0	67.2	64.0	62.0	65	55
4.	2021	0	67,2	64,8	61,3	65	55
5.	2023	0	67,7	64,1	60,5	65	55
6.	2023	0	65.8	63.7	60.0	65	55
7.	2024	0	63.8	62.3	57.7	65	55
8.	2024	0	64.6	62.9	58.6	65	55

)

)

\_\_\_\_\_

1.6.2. ) –

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

, 25km ,

15.

1563.  
1717.

18.  
15.  
1793-1797.

1800.

18.

1788.

19.

1813.

II.

1815.

(

1942.

1991.

2006.

2006.

6km.

1957.

200 ,130  
20.000

200.000

“ ”

( “ 6.000 2 ”)

21. 1989.

50

-109,  
-47.

-2,  
-22.

-210,  
-2

-49 ,  
522, 66,

-52,  
-14,

-3,  
-2

451 451

1910.

1912-1918” “ 1941.

1999.

1923. 1993.

5km.

62-244/2024, 26.04.2024. -  
( „ “ . 129/21),





10.05.2024.

### 1.5.7

) (PM10, PM2.5):  
 ) - (CO<sub>2</sub>), (NO<sub>x</sub>), - (SO<sub>2</sub>):  
 ) :

[illegible]

\_\_\_\_\_

) : CO<sub>2</sub>, NO<sub>x</sub>, PM .

)  
) : .

) : , , - ,  
) , .

) , , : 90–120 dB .

) : Wi-Fi  
) LED : , .

) : .  
) :

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

, .

:

) ( ,  
, ,  
, );

) , ;  
) ( );

) ( );  
) );





7.5

.7.1 –

	(ha)	%	(ha)	%
( , )	21,94	6,3	69,08	19,7
( )			1,12	0,3
<b>„EXPO 2027“</b>				
( 1)			83,21	23,7
( 2)			8,57	2,4
( 2- 2)			0,61	0,2
( 2- 2“			1,36	0,4
( )			1,94	0,6
( 3)			23,37	6,7
( )			31,40	9,0
( )			63,50	18,1
( )	2,83	7,4	45,90	13,1
( )			2,87	0,8
( )			0,37	0,1
( , , ..)			17,10	4,9
	<b>47,77</b>	<b>13,6</b>	<b>350,43</b>	<b>100,0</b>
	302,66	86,4	0,00	0,00
	<b>302,66</b>	<b>86,4</b>	<b>0,00</b>	<b>0,00</b>
	<b>350,43</b>	<b>100,0</b>	<b>350,43</b>	<b>100,0</b>

:

je a a 4000 m<sup>2</sup>

,

,

,

-1

5395 m<sup>2</sup> -1 4,

,

3 7, “

“ / ” “ ”

,

,

( . e ).  
10 )  
248 m, 5,24 ha. 228  
7. 3

---

1, 2, 3, 4,  
5 6.  
“ ”  
I.  
—

— 2-3, 6 I, e  
:  
) 1 2 2-3;  
) 3 4 I,  
) 5 6.  
—

110 kV 10 kV.  
: 2x40 MVA.  
“ ”  
:

:  
—  
/ —  
10.188 m<sup>2</sup>





20.000 m<sup>2</sup>. 20% ,

---

-1 -2,

) -1 116345 m<sup>2</sup>

) -2 518700 m<sup>2</sup>

-1 -2

ha, , 150 m. 10

.

:

) ( , ,

, ..);

) ;

) ;

) ( ,

, , (...);

) ( , ,

, ...);

) /

.

EXPO 2027

**EXPO 2027** - :

) 1 -

) 2 - /

) 3 - .

---

1 -

831 488 m<sup>2</sup>. 1,

5 ha (50.000m<sup>2</sup>); 1

100 m,

;

1 -

:

;

, , , , , );

1, ( ,

/ , );

,

;

15%

2 - / (

)

2 :

)

)

)

)

9

91978 m<sup>2</sup>.

„EXPO 2027“

„EXPO 2027“

EXPO BELGRADE 2027 („

“, . 92/23),

.

2

,

;

,

,

;

.

2 – 2- 1

2

270

2-

/

E1

( 4500),

,

315-337

270 ( 14 (7

,5

6072 m<sup>2</sup>,

60-70

( 2- 2), 80 ,

1,36 ha.

80

4 (

( );

2 – 2- 2

( ).

540 (12% 4.500 )

600 , 24 (25

), 3 - 4 ).

-

80

1,36 .

2 - /

1

2 - - 2-

400 .

” “ .

3 -

13/2024)

- III ( .

( ” “, 2022) ,

( )

### 1.5.8

[illegible]

8.2

- 12%  
 - 6%  
 ) 4,5m,  
 5.5x15m,  
 (10 3°. 0.1 2).

60-75°.

:  
 )

○

,

.

.

○

,

.

,

.

Guide to Safety at  
 Sports Grounds (Green Guide), 6th edition, 2018” „BS 9999 Fire Safety in  
 the design, management and use of buildings – code of practice, 2017“

)

○

,

,

” “ ” “ ” “

(

,

,

.)

)

○

.

)

○

,

,

.

)

(“ . ”, . 22/19),

- ) ( . «, 20/2019)
  - ) ( . «, 24/1987)
  - ) ( . «, 74/1990)
  - ) „Guide to Safety at Sports Grounds (Green Guide), 6th edition, 2018” „BS 9999 Fire Safety in the design, management and use of buildings – code of practice, 2017“
- 11

ROP-MSGI-12204- LOCH-2-HPAP-1/2024 o 21.6.2024.

. 0.005 – ( )

:

- x – /

- IV – ,

II – ,

- , – ,

- , – ,

. 0.012 ( )

( )

11.

2.

.03/2018“,

$\frac{2}{3}$  -

350 °

60 ° 100 ° 450 ° ,



500

30

8.1 -

	/
	-
, °C	55
, °C	255-350
, °C	150-360
, %vol	0.6
	6.5
	T3
	. 3
	, , -
:	0
	3
	0
, MJ/m3	42

(" , " , . 3/2018)

35 l/s.

3x2.5 l/s

7.5 l/s 6x5,0 l/s . 30 l/s

:

“ -9 ”  
“ 2”

5”

\_\_\_\_\_

)  
)  
)  
)

( )

:

\_\_\_\_\_

EN 12845

60

30

NN

ICT











3.

:

)

;

)

;

)

;

)

;

)

;

)

;

)

,

;

)

.

4.

:

)

( );

)

;

)

;

)

.

.

:

)

;

)

;

)

;

)

.

:

)

;

)

,

.



### 1.5.9.

)

)

)

)

)

)





8 ,	2023 053-	- 04	9.4
-----	-----------	------	-----

)  
 ,  
 ,  
 ) ( )  
 ,  
 :  
 :  
 , -  
 , -  
 ,  
 ,  
 )  
 / /  
 ,  
 ,  
 101/15,65/2018 – , 41/2021)  
 ,  
 )  
 ,  
 y  
 ,  
 6  
 ,  
 ( )  
 ,  
 .  
 ,  
 .  
 )  
 , (10 kV )  
 / /  
 (10 kV ) ( )  
 - ..  
 - .  
 ) 10kV  
 - 15  
 ,  
 )  
 10kV :  
 10 kV  
 Ø100mm.  
 40m ,  
 .

○ 100%  
10 kV.

○

○

○

○

○ 10 kV  
: 3 x ( XHE 49-A 1x150 ) mm2 ,10 kV

) ,  
( , ) ,  
,  
( ).

) ( ,  
) . ,  
) ,  
) .  
,  
,  
) .  
) .  
) .  
) ( )  
2 m 110 kV. ( )  
) K  
1.2 m.  
,  
) / , ( , )  
1 m 110 kV .  
) , ,

, . 60°.

) 110 kV 2

) m. 110 kV ,

( ).

) 110 kV

,

0.5 m .

) .

) ( ) 110kV

) 1 m.

) , 110kV 0,5 m.

) ( ).

) 110kV 2m

) 200mm 1.5m .

,

,

0.5 m.

) 110 kV

) 0.5m.

) ( ).

) : 2,0 m , ;

) 1 m , , .

,

) ,

,

0.5 m. ,

,

) 0.3 m. ,

,

,

10°C, ∴

;

;

) , 110kV  
 / , 10°C.  
 ) ( ).  
 ) 110kV : 2,0m  
 ) , ; 1.5m .  
 ) , 0,5m ,  
 110kV 110kV  
 ) ( ).  
 ) 110kV 110kV  
 : 1,5m , ;  
 1.0m. .  
 ) 110kV,  
 0,5 m.  
 ) , ,  
 ,  
 ) 0,8 m.  
 ) ,  
 5m :  
 3m , ;  
 3m 1m  
 .  
 ) 115m,  
 )  
 - 20 ,  
 )  
 ) , 10 ,  
 , 16  
 )  
 ,  
 )  
 .







) ( . );  
 ) 97. 98. ( „ , . 30/2010, 93/2012, 101/2016,  
 95/2018 95/2018 - . ),  
 ,  
 , ( )  
 ;  
 ) ,  
 ;  
 ) , . 10. 16.  
 ( „ , . 96/2021),  
 ;  
 ) ,  
 ;  
 ) ( , , . 99. ( „ , .  
 36/2009, 88/2010, 91/2010— , 14/2016, 95/2018 - . 71/2021),  
 , .  
 ) ,  
 „ . 71/94, 52/11- . 109. ( „ 137.  
 99/11- . ), ( „ . 129/21)  
 ( „ . 110  
 „ . 71/94, 52/11- . 99/11- . ), ( .  
 137 ( „ . 129/21),  
 , , , ;  
 ) ,  
 ,  
 ) .  
 ) ( .  
 ) , , ,  
 ) ( 5 m,  
 .



)

,

)

,

○

○

(„ . “, 92/08);

○

48/2014-10 1. 2014. ( , 530-01-

○

„ , 2013. ); (

○

“ . ”

)

( )

)

,

)

,

)

“ 18/24). („ .

)

-

-

,

,

,

,

)

)

1

)

)

,

)

,

)

,

)

(„ .



)

;

)

,

,

.

)

,

;

;

)

,

(„

“, . 96/2021);

)

,

,

,

;

;

)

,

;

;

)

,

.

/

,

,

,

,

.

)

,

,

,

.

)

,

.

-

-

,

,

,

.

-

,

.

;

)

,

,

( ,

)

;

)

.

, :  
 ) ( ;  
 ) ;  
 ) , ,  
 ) ,  
 ) ,  
 ) . ( )  
 , -  
 , ( ) ( 1  
 ) . :  
 ) ,  
 ) ,  
 ) ,  
 ) ,  
 ) ,  
 ) .







( . 63.  
 “ . 135/2004, 36/2009, 36/2009 - . ,  
 72/2009 - ” . , 43/2011, 14/2016, 76/2018, 95/2018 - . );  
 )  
 .  
 ,  
 .  
 ;  
 ,  
 . 10. 16.  
 (“ , . 96/2021),  
 ;  
 )  
 ,  
 ;  
 )  
 -  
 , :  
 ○  
 , -  
 ,  
 ,  
 , (“ ,  
 104/09) : “ , 2  
 kV/m, (B) 40 μ ;  
 ○  
 (PCB);  
 )  
 )  
 ,  
 .  
 :  
 )  
 .  
 )  
 .  
 (“ . 36/09, 88/10 14/16 95/18).  
 )  
 (“ , 11/17, 16/19, 78/21  
 78/22).  
 )  
 :  
 ○  
 ,  
 ,  
 ,  
 ;  
 ○  
 ;  
 ○

);  
1.5.9  
);  
);  
);

---

);  
);  
);  
);  
);

## 1.5.10

1.5.9.

(„ . ”, . 135/2004, 36/2009, 72/2009, 43/2011, 14/2016, 76/2018, 95/2018),

---

---

97 .

79.

—

○ — : 4,9km  
(44°45'58"N 20°21'24"E)

○ — : 10,05km  
(44°48'46"N 20°10'02"E) .

○ — : 4,42km (44°46'09"N  
20°21'03"E)

○ 37

○

○ —

.10.1

1.5.6 -

” “ .



12 (15 )

. 88/2020)  
2

( " . " ,  
1 ,

26

*.10.1:*

		, l/s
SEP-1		250
SEP-2		175
SEP-3		100
SEP-4		100
SEP-5		230
SEP-6		60
SEP-7		250
SEP-8		250
SEP-9		190
SEP-10		100
SEP-11		110
SEP-12		160
SEP-13		160
SEP-14		100
	1 – 3	42
	2 – 4	42
	1, 00	9,0
	2, 00	9,0
	3, 00	9,0
	4, 00	9,0
GI-01	1 00	10,36 (11,54)
GI-02	2 00	10,7 (11,54)
GI-03	3 00	7,35 (7,69)
GI-04	4 00	7,35 (7,69)

		, l/s
GI-05	3 1	6,92 (7,69)
GI-06	4 1	17,25 (17,31)

(„ “  
 . 18/24),  
 ) - 5 l/s 50 l/s - 12 /  
 ) > 50 l/s - 24 / ;

31. ,  
 .

\_\_\_\_\_

2024. ,  
 . 12 (15 )  
 .

\_\_\_\_\_

(" . ",  
 . 88/2020),  
 1 . 1 ,  
 5 , 0-30cm 30-60cm.

\_\_\_\_\_

,  
 . 75.  
 ,

,  
 31. ,  
 ,  
 (“ .



.10.2:

8,



, ,  
 ,  
 ,  
 , , , , ,  
 :  
 ) , („ , „ . 72/09, 81/09- ,  
 64/10 , 24/11 121/12, 42/13- , 50/2013- , 98/2013-  
 , 132/14, 145/14, 83/18, 31/19, 37/19- . 09/2020, 52/2021, 62/2023)  
 ) . 135/04, 36/09,  
 36/09 – , 72/09 – , 43/2011 – 14/16, 76/18, 95/18 –  
 95/18 – ;  
 ) . 135/04  
 36/09;  
 ) , . 36/09, 10/2013 26/2021;  
 ) , . 96/2021;  
 ) . 111/09 20/15, 87/18 –  
 , 87/2018 87/2018 – ;  
 ) . 36/09, 88/10, 91/10 14/16 95/18  
 – ; 71/2021  
 ) . 30/10, 93/12, 101/16, 95/18 95/18 –  
 ;  
 ) , . 35/2023;  
 ) , . 71/94, 52/11 - , 99/11-3 -  
 , 6/20 - , 35/21 - , 76/23 - ;  
 ) , 36/09, 88/10 14/16 95/18 –  
 , 35/23;  
 ) („ . ”,  
 .54/15)  
 ) („ . ” . 36/09, 95/2018)  
 ) ,  
 . 69/05;  
 ) ,  
 ) , . 69/05;  
 ) , . 18/24  
 ) , ,  
 (“ ” .8/95):  
 ) “ ” ,  
 102/2020, 122 /2020 - , 90 /2021.

)  
 . 56/10, 93/2019, 39/2021, 65/2024;  
 )  
 ,  
 ,  
 ) . 17/17;  
 )  
 (" . " 7/2020 79/2021)  
 )  
 , (" .  
 ) ", . 92/10 77/21)  
 )  
 ) ( 38/89 118/2014)  
 )  
 ,  
 ) . 114/08;  
 )  
 . 11/2010, 75/10 63/13;  
 )  
 ,  
 ,  
 ,  
 ) . 75/10;  
 ) (" . " , .  
 ) 88/2020)  
 )  
 (" . " , . 67/2011, 48/2012 1/2016)  
 )  
 (" . " , . 50/2012)  
 )  
 " , 5 / 1968.  
 )  
 (" . " ,  
 ) . 24/14  
 ) , Beoexpert  
 design,  
 ) <https://monitoring.beograd.gov.rs/Map> -  
 ) [https://www.beograd.rs/lat/sekretarijat-za-zastitu-zivotne-sredine\\_3/1746715-podaci-o-kvalitetu-cinilaca-zivotne-sredine/](https://www.beograd.rs/lat/sekretarijat-za-zastitu-zivotne-sredine_3/1746715-podaci-o-kvalitetu-cinilaca-zivotne-sredine/) -  
 ) [https://www.meteoblue.com/sr/vreme/historyclimate/climatemodelled/sur%c4%8din\\_%d0%a1%d1%80%d0%b1%d0%b8%d1%98%d0%b0\\_785288](https://www.meteoblue.com/sr/vreme/historyclimate/climatemodelled/sur%c4%8din_%d0%a1%d1%80%d0%b1%d0%b8%d1%98%d0%b0_785288) -  
 )  
 )  
 ) EXPO 2027, -  
 ) ( ) - 1  
 ) a a  
 ) -  
 ) e -

### 1.5.12

### 1.5.13

11000

8

011/ 3635 700

[office@masinoprojekt.co.rs](mailto:office@masinoprojekt.co.rs)

371 M458 13

011/ 3635 743; 063 370 125

[jelena.andrejic@masinoprojekt.co.rs](mailto:jelena.andrejic@masinoprojekt.co.rs)

- :  
 :  
 :  
 :  
 ) 22.11.2012 .  
 ) 2013. .  
 ) 27.12.2010. .  
 ) 2015. .  
 ) 2019. .  
 ( , , ,  
 , , ... ) :  
 1. : , ,  
 2. , , ;  
 3. .  
 .  
 ( )  
 1) „Toyo tire“- 2 , 2022  
 2) „Toyo tire“- 1 , 2022  
 3) „Toyo tire“- 2 , 2021  
 4) „Toyo tire“- 1 , 2020  
 5) „ ,  
 2019  
 6) „Cooper tire“- 1 , 2019 -  
 7) :  
 Minth - II  
 ,  
 4533/48 , 2019 , . . 4533/1 .  
 8) : "AIRPORT CITY"  
 , CB 1000 – , 65, . . 6805/3, . .  
 , 2017. ,  
 9) „ , 2016. .,  
 10) „Vibac“ 2015. .,

- 11) , , , ,  
2014. .,
- 12) -1 1-8, HOLCIM  
, 2014. .,
- 13) 23-27 , 2014. ., —
- 14) , ,  
, 2014. .,
- 15) “ Bosch”, Robert Bosch , 2014. .,
- 16) , , ,  
2013. .,  
( )
- 1) „HAITIAN“, 2023 -
- 2) „Cooper tire“- 2 , 2021 -
- 3) „Cooper tire“- 1 , 2019 -
- 4) „Heineken“ 2019 -
- 5) :  
, 2016. ., -
- 6) , 2011.  
, -
- 7) - , 2010. ., -
- 8) , PLIMA M , 2010. ., -
- 9) , FALKE , 2010. ., -
- 10) , HOLCIM , 2010. . - ,



## 1.6

0.1.	060,	31.10.2024.	,	002051762	2024 14850 003 002 501
0.2.			—	1	
0.3.			—	2	
0.4.					
	,	05.04.2024.	,	952-06-223-14/2024,	

1.

1.					-	-12204-	-1-	-24/2024	
2.	"	- 12204-	-1-	-3/2024	7.5.2024.				
3.	"	-	-12204-	-1-	-4/2024	7.5.2024.			
4.	"	-	-12204-	-2-	-3/2024	19.6.2024.			
5.	"			"	.	.	.		
6.		- 12204-	-1-	-8/2024	9.5.2024.				-
7.		- 12204-	-1-	-9/2024	26.4.2024.				
8.	"	- 10/2024	8.5.2024.				-	-12204-	-
9.	"	- 11/2024	26.4.2024.				-	-12204-	-1-
10.	"	- 12/2024	29.4.2024.				-	-12204-	-1-
11.	"	- 13/2024	30.4.2024.				-	-12204-	-1-
12.	-1-	-14/2024	17.5.2024.				-	-12204-	
13.	"	- 15/2024	13.5.2024.				-	-12204-	-1-
14.	12204-	-1-	-16/2024	17.5.2024.					-
15.	"	-1-	-17/2024	7.5.2024.			-	-12204-	
16.				"	,		-	-12204-	-1-
17.	"	-19/2024	13.5.2024.				-	-12204-	-1-
18.		-	-12204-	-1-	-20/2024	8.5.2024.			

19. „ 1- - 21/2024 14.5.2024. , - -12204- -
20. 12204- -1- -22/2024 10.5.2024. , - -
21. , - -12204- -1- , -25/2024 7.5.2024. ;
22. „ 28/2024 7.5.2024. , - -12204- -1- -
23. , - -
24. 12204- -2- -1/2024 21.6.2024. , - -
25. 12204- -2- -2/2024 21.6.2024. , - -12204- -2- -4/2024 21.6.2024. .
- 2.
3. - .

EXPO BELGRADE 2027 („ „ , .

92/2023) - (Lex specialis), .

12. EXPO BELGRADE 2027

EXPO BELGRADE 2027

,

,

.