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**52, 1000**,  
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: 02 3066 828  
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Logo of the Central Register of the Republic of Macedonia

Trade register and register of other legal entities

[www.crm.com.mk](http://www.crm.com.mk)

Number: 0809-50/150120180053756

Date and time: 24.09.2018, 15:42:53

**CERTIFICATE  
for registered activity**

CURRENT DATA FOR THE ENTITY	
Unique identification number of the entity	4067533
Name	Civil Engineering Institute "Macedonia" JSC-Skopje
Location	DREZDENSKA No. 52 SKOPJE – KARPOSH, KARPOSH

DATA FOR REGISTERED ACTIVITY	
Subject matter of work:	A general business clause has been registered.
Priority activity/ main revenue code	71.12 – Engineering activities and related technical consultancy
Other activities in the domestic circulation:	None
Recorded activities in the foreign circulation:	Yes
Approvals, permits, licenses, agreements:	License for conducting energy control issued by the Ministry of Economy of the Republic of Macedonia no. 12-440/2 on 23.01.2015. License A for design of structures of first category issued by the Ministry of Transport and Communications of the Republic of Macedonia no. P.003/A, valid from 12.02.2016, to 12.02.2023. License A for construction of first category structures issued by Ministry of Transport and Communications of the Republic of Macedonia no. I.002/A, valid from 12.02.2014, to 12.02.2021. License A for review of design documentation of first category issued by the Ministry of Transport and Communications of the Republic of Macedonia no. R.014/A, valid from 26.01.2017 to 26.01.2024. License A for supervision over the construction of first category structures issued by the Ministry of Transport and Communications of the Republic of Macedonia no. N.001/A, valid from 12.02.2016 to 12.02.2023. License B for design of second category



	<p>structures issued by the Ministry of Transport and Communications of the Republic of Macedonia no. P.006/B, valid from 12.02.2016, to 12.02.2023.</p> <p>License B for construction of second category structures issued by the Ministry of Transport and Communications of the Republic of Macedonia no. I.002/B, valid from 12.02.2014 to 12.02.2021.</p> <p>License B for supervision over the construction of second category structures issued by the Ministry of Transport and Communications of the Republic of Macedonia no. N.001/B, valid from 12.02.2016 to 12.02.2023.</p> <p>License for construction manager issued by the Ministry of Transport and Communications of the Republic of Macedonia no. 018, valid from 05.02.2015 to 05.02.2022.</p> <p>License for drafting urban plans by the Ministry of Transport and Communications of the Republic of Macedonia no. 018, valid from 28.02.2013 to 28.02.2023.</p> <p>Authorization for preparation of geological documentation, conducting and supervision of geological explorations, no. 11 issued by the Ministry of Economy of the Republic of Macedonia on 27.03.2015.</p>
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**Prepared by:**  
(Illegible signature)

**Authorized person:**  
(Illegible signature and a round stamp of the Central Register of RoM, Skopje)

**Legal advice:** Against this real act, an objection to the Central Registry of the Republic of Macedonia can be filed within 8 days from the day of receipt.

Потврдувам дека правилно го извршив преводот од македонски на англиски јазик со својот печат и потпис.

In witness that the foregoing translation from Macedonian into English language is correct, I do affix my seal and signature.

Јасмина Станковска

Jasmina Stankovska

Овластен судски преведувач

Authorized court translator

Датум: 29.10.2018

Date: 29.10.2018



( . 53/05, 81/05, 79/06, 101/06, 109/06,  
24/07, 159/08, 83/09, 1/10, 48/10,124/10, 51/11, 123/12, 93/13, 187/13, 42/14, 44/15, 129/15, 192/15, 39/16 99/18), 18 19  
( " .130/09, 124/10, 18/11, 36/11, 49/11, 54/11, 13/12, 144/12, 25/13, 79/13,  
79/13, 137/13, 163/13, 27/14, 28/14, 42/14 . 1001-1446/1  
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123/12, 93/13, 187/13, 42/14, 44/15, 129/15, 192/15, 39/16 and 99/18)<sup>1</sup>.

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- 4: 20 + 500 22 + 300;  
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(km 5 + 885)

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(km 6 + 525)



7 R1304, km 7 + 530



8 R1304, km 8+000



9 R2131, km 9+150





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2 x 3,00 m  
 2 x 0,30 m  
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 2 x 1,00 m  
 0,75 m  
 0,75 m  
 8,60 (9,50) m

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 22+300,

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$i=0,3\%$

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| 32  $d = 7$  cm,

( ).

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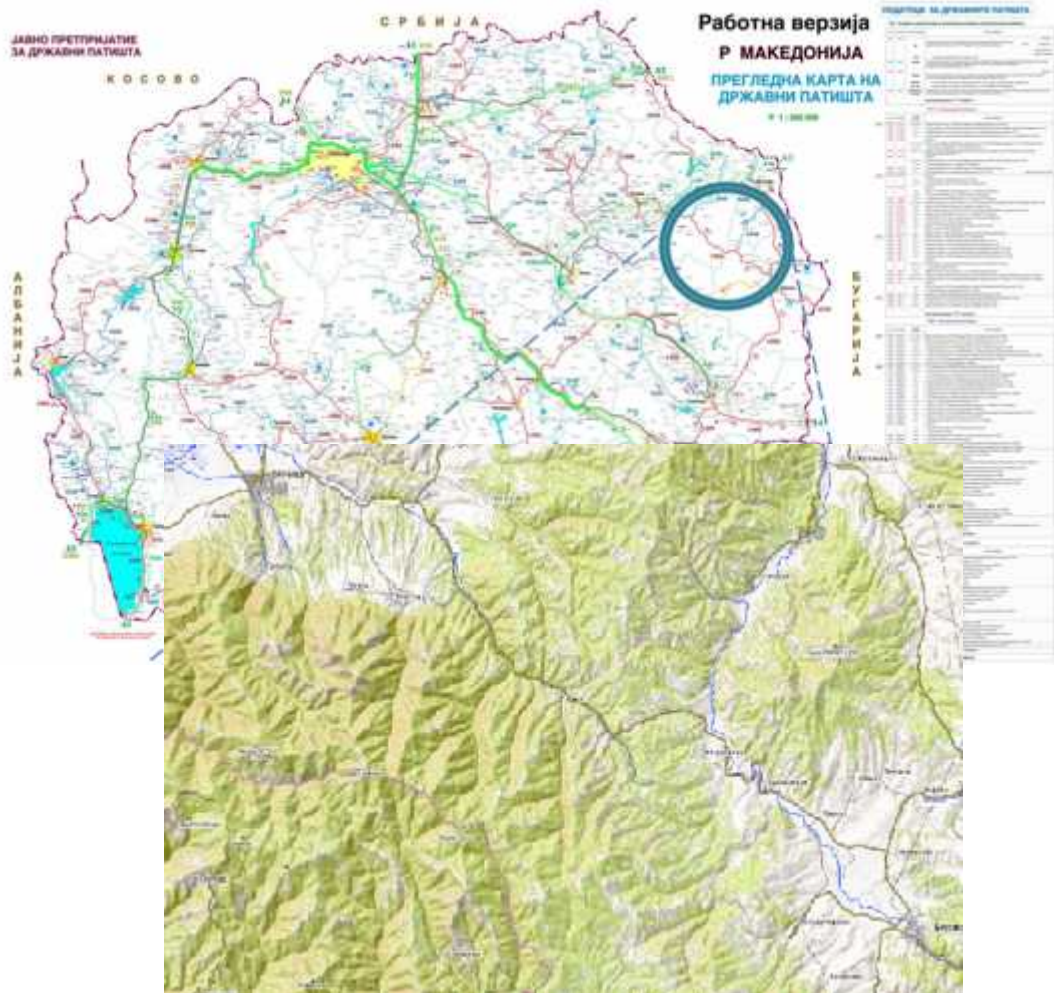


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## 4.

### 4.1

1302



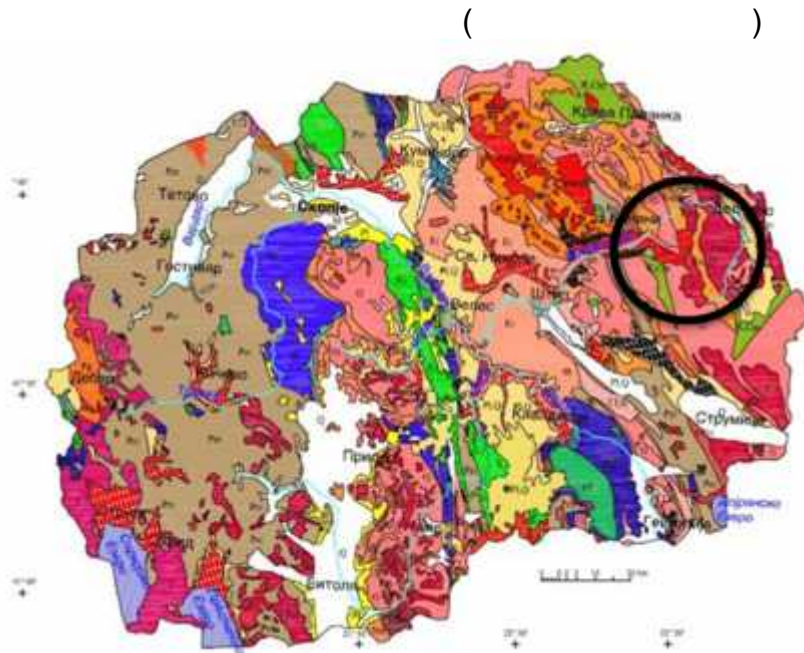
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" 22 ° 50'21".  
22 ° 31'42".

N 41 ° 44'18  
N 41 ° 53'14 "  
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## 4.2



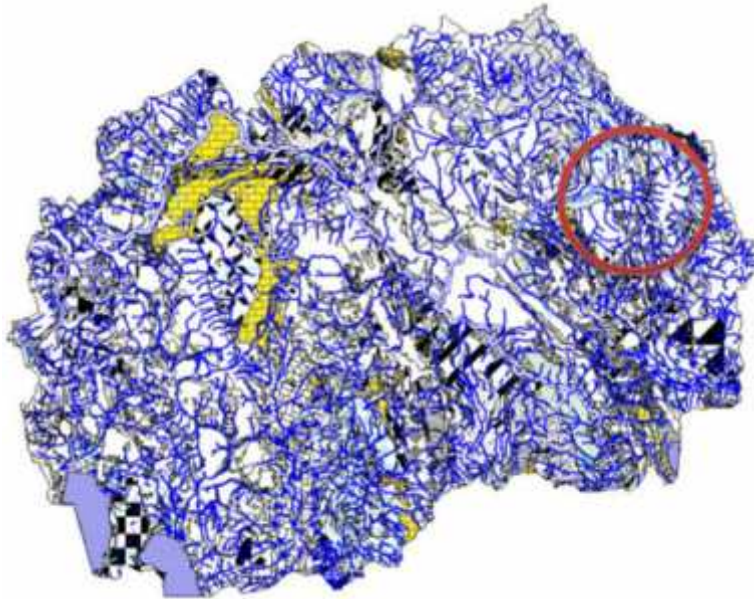
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70%

350 m 500 m

### 4.3

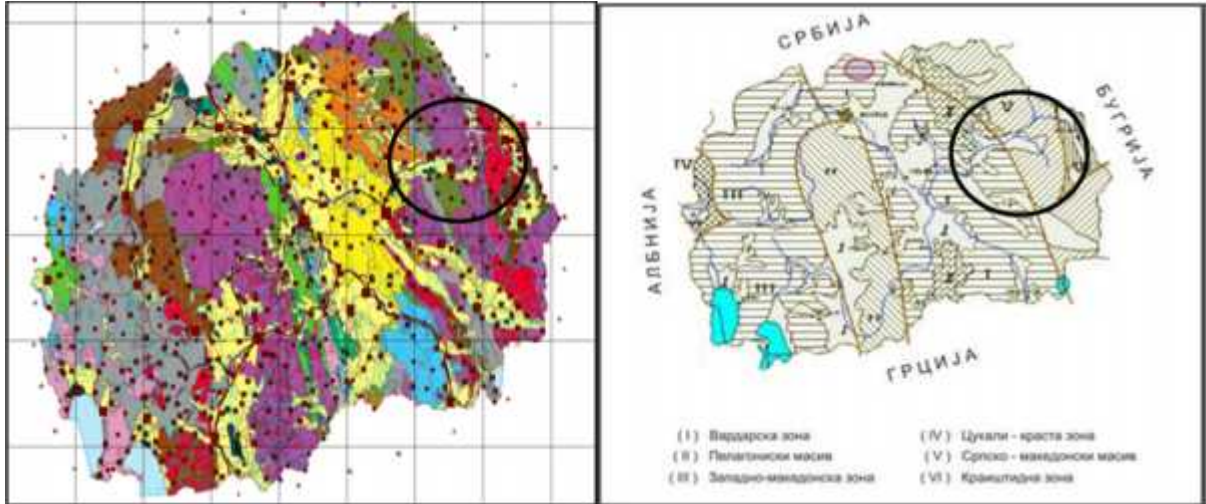
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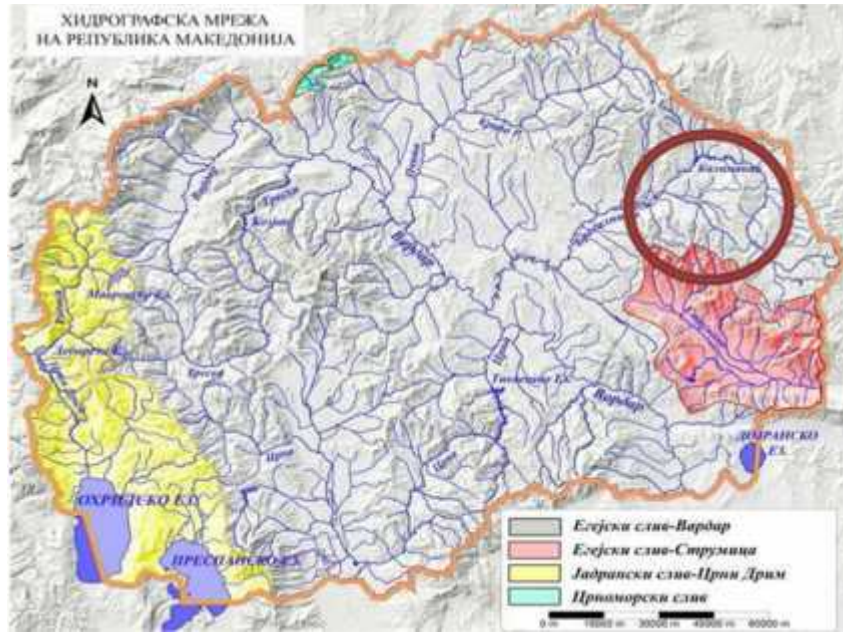
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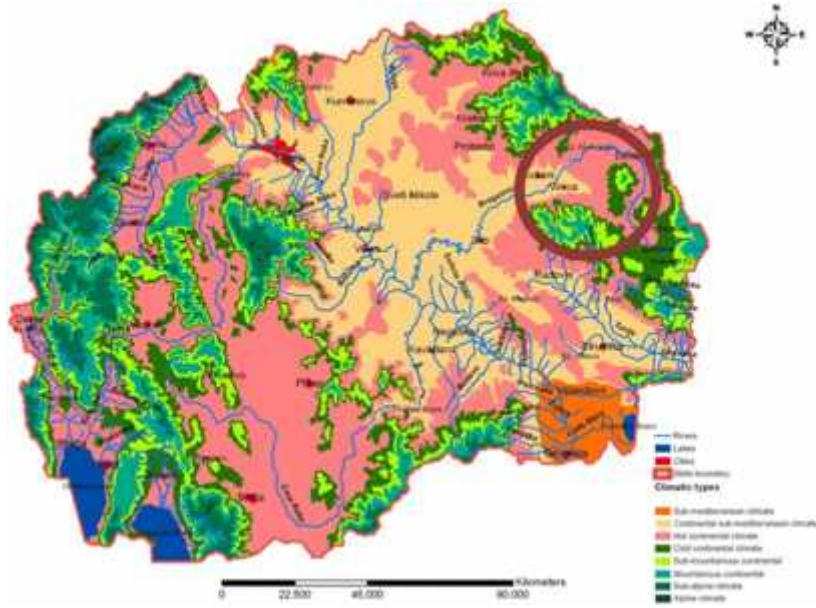
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**(Quercetum frainetto-cerris)**

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**Quercetum frainetto-cerris**

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(*Quercus frainetto*)

(*Quercus pubescens*),

- (*Quercus cerris*).

(*Fraxinus ornus*), Sorbus

*torminalis*.

- : *Quercus frainetto*, *Q. cerris*, *Q. pubescens*, *Acer campestre*, *Acer tataricum*, *Carpinus orientalis*, *Crataegus monogyna*, *Fraxinus ornus*, *Prunus spinosa*, *Pyrus piraster*, *Sorbus torminalis*, *Cornus mas*, *Corylus avellana*, *Sambucus nigra*, *Rubus discolor*, *Clematis vitalba*, *Prunus vulgaris*, *Ostrya carpinifolia*, *Juniperus oxycedrus*, *Evonymus verrucosa*, *Geranium sanguineum*, *Euphorbia cyparissias*, *Asparugus acutifolius*, *Hieracium pilosella*, *Digitalis lanata*, *Lathyrus venetus*, *Festuca heterophylla*, *Melica uniflora*, *Symphytum tuberosum*, *Anemone apenina*, *Primula acaulis*, *Aremonia agrimonoides*, *Viola alba*, *Cyclamen neapolitanum*, *Veronica chamaedrys*.

- : *Rosa arvensis*, *Rosa canina*, *Cytisus nigricans*, *Cytisus hirsitus*, *Cornus mas*, etc.

- : *Lathyrus laxiflorus*, *Lathyrus niger*, *Helleborus odoratus*, *Trifolium pignanti*, *Luzula forsteri*, *Poa nemoralis*, *Poa pratensis*, *Geum urbanum*, *Silene italica*, *Primula vulgaris*, *Potentilla micrantha*, *Veronica chamaedrys*.

- : *Armillaria mellea*, *Boletus aestivalis*, *Cantharellus cibarius*, *Clitocybe gibba*, *Hydnum repandum*, *Lactarius zonarius*, *Stereum hirsutum*, *Trametes hirsuta* and *T. versicolor*.

- : *Boletus aereus* B. *luridus*, *B. quelletii*, *Hygrophorus chrysodon*, *Lactarius piperatus*, *Russula cyanoxantha* *Xerocomus*



: *Morus spp.*, *Pyrus spp.*, *Populus spp.*, *Robinia pseudoacacia* *Juglans regia*.

etc. : *Agaricus hortensis*, *Coprinus spp.*, *Anelaria semiovata*, *Volvariella speciosa*

— : (*Erinaceus concolor*), (*Talpa europea*),  
(*Microtus guentheri*), (*Apodemus agrarius*),  
(*Apodemus sylvaticus*), (*Mus domesticus*), (*Martes foina*),  
(*Mus macedonicus*), (*Lepus europeus*), (*Vulpes*  
*vulpes*), (*Meles meles*).

- : *Melanocorypha calandra*,  
*Galerida cristata*, *Oenanthe oenanthe*,

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Scolytidae

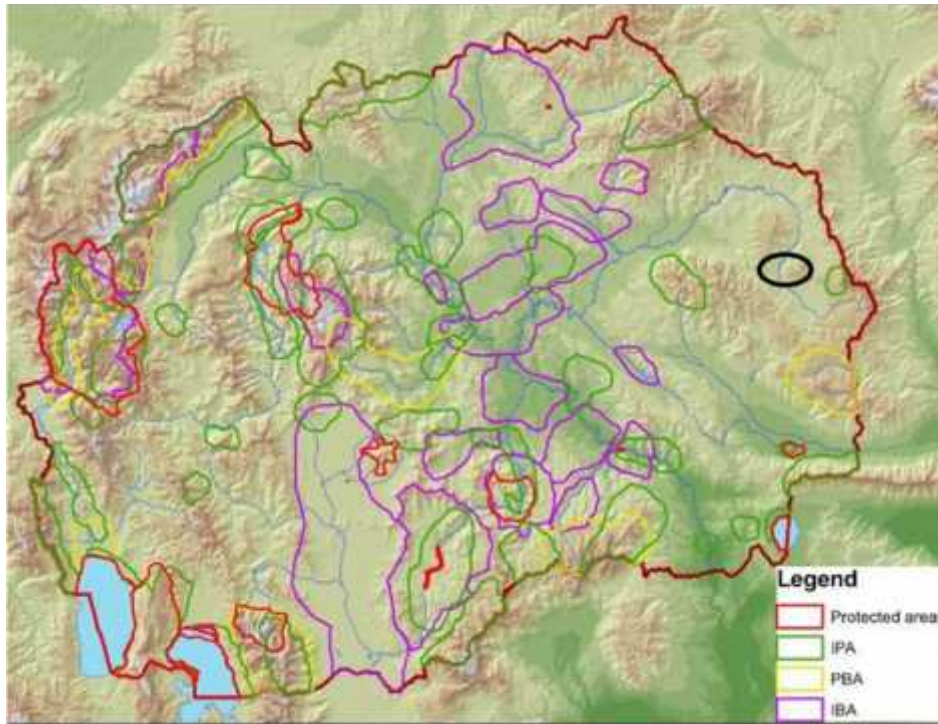


*Ciconia ciconia, Falco tinnunculus, Columba livia, Streptopelia decaocto, Tyto alba, Otus scops, Athene noctua, Asio otus, Hirundo rustica, Hirundo daurica, Delichon urbica, Sylvia atricapilla, Parus caeruleus, Parus major, Oriolus oriolus and Passer hispaniolensis.*

(*Lissotriton vulgaris*), *Rana dalmatina, Bombina variegata, Bufo bufo, Hyla arborea, Pelophylax ridibundus.* :  
(*Eurotestudo hermanni*), (*Lacerta erhardii, Podarcis muralis, Lacerta trilineata, Lacerta viridis*) (*Vipera ammodytes*).

: *Lycaena virgaureae, L. tityrus, Polyommatus belargus, P. icarus, Leptidea sinapis, Plebeius argus, Pieris brassicae, P. napi, Coenonympha papmphilus, C. arcania, Maniola jurtina, Argynnis paphia, Satyrium acaciae, Colias crocea, Arethusana arethusana, Nymphalis polychloros, Erebia medusa, Vanessa cardui, V. atalanta, Cupido osiris, Erynnis tages, Polygonia c-album, Pseudophilotes vicrama, Hamearis lucina, Pyrgus alveus, Aglais urticae, Aporia crategi.*

( , , ). :  
*Amara aenea, Calathus melanocephalus, Calathus fuscipes, Microlestes fissuralis, Harpalus serripes, Harpalus rufipes, Poecilus cupreus.*



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SO<sub>2</sub>, CO<sub>2</sub>, H<sub>2</sub>O

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( 97/68/EC)

	CO (g/kWh)	HC (g/kWh)	NOx (g/kWh)	PT (PM) (g/kWh)
130 P 560	5.0	1.3	9.2	0.54
75 P 130	5.0	1.3	9.2	0.7
37 P 75	6.5	1.3	9.2	0.85

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

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Table 2

PM10 PM2,5

PM <sub>10</sub>	24	50 µg/m <sup>3</sup>	35
	1	40 µg/m <sup>3</sup>	0
PM <sub>2,5</sub>	1	25 µg/m <sup>3</sup>	0

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CO, PM10,

: SO<sub>2</sub>, NO<sub>x</sub>,

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	4	-	17 03 02	N/A	-	

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	dB (A)		
	Ld	Lv	Ln
	50	50	40
	55	55	45
	60	60	55
	70	70	60

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- Ld - ( 07:00 h 19:00 h),
- Lv - ( 19:00 h 23:00 h),
- Ln - ( 23:00 h 07:00 h).

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- : + 389 (0) 78 330 297

- : [saska@roads.org.mk](mailto:saska@roads.org.mk)

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: [www.roads.org.mk](http://www.roads.org.mk)

: 389 (0)33 471 026

+ 389 (0)33 471 057

- : [www.berovo.gov.mk](http://www.berovo.gov.mk)

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: + 389 (0)33 361 945

- : [www.opstinaVinica.gov.mk](http://www.opstinaVinica.gov.mk)

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[www.roads.org.mk](http://www.roads.org.mk)

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<p>( ) ( )</p>	<p>           i) - : ESAR,         </p>

<i>I</i>	
	<p style="text-align: right;">; ii) IPMU</p> <p style="text-align: center;">; iii) IPMU</p> <p style="text-align: center;">TORs,</p> <p style="text-align: right;">iv) , ,</p> <p style="text-align: center;">; v) , ,</p> <p style="text-align: right;">; vi) ; vii)</p> <p style="text-align: center;">; viii)</p>
	<p style="text-align: right;">, ,</p> <p style="text-align: center;">, ( , , , )</p> <p style="text-align: center;">)</p> <p style="text-align: center;">, (HSEO)</p>
	<p style="text-align: center;">( , )</p>
( )	<p style="text-align: center;">, .</p>

