

Maximum gradients along the SE NRIC railway lines

N	Interstation section	Route	Longitudinal gradient (‰)	Beginning of the gradient	End of the gradient	Gradient length/ m/	Note:
I railway line Kalotina Zapad - Sofia - Plovdiv - Svilengrad							
1	Sofia-Voluyak	1	9,70‰	0+910	1+254	344	
2	Sofia-Voluyak	2	9,20‰	0+900	1+266	366	
3	Voluyak-Kostinbrod		-11,00‰	13+940	14+340	400	
4	Kostinbrod - Petarch		7,00‰	15+090	15+860	770	
5	Petarch - Slivnitsa		6,60‰	26+380	27+180	800	
6	Slivnitsa - Aldomirovtsi		20,50‰	31+700	32+020	320	
7	Aldomirovtsi - Dragoman		18,50‰	38+300	39+320	1 020	
8	Dragoman-Kalotina		-21,00‰	44+020	44+650	630	
9	Kalotina - Kalotina Zapad		-20,50‰	54+210	54+590	380	
10	Kalotina Zapad - Dimitrovgrad Yug /border/		-7,20‰	56+620	56+795	175	
11	Sofia - Poduyane Patniceska	1	-9,60‰	2+060	2+298	238	
12	Sofia - Poduyane Patniceska	2	-9,60‰	2+060	2+298	238	
13	Poduyane Patniceska - Iskar	1	5,00‰	4+710	5+180	470	
14	Poduyane Patniceska - Iskar	2	5,10‰	4+605	5+329	721	
15	Iskar-Kazichane	1	3,00‰	9+410	98+810	400	
16	Iskar-Kazichane	2	3,00‰	9+410	9+810	400	
17	Kazichane - Elin Pelin	1	4,60‰	22+600	23+250	650	
18	Kazichane - Elin Pelin	2	4,60‰	22+600	23+250	650	
19	Elin Pelin - stop Pobit Kamak	1	19,90‰	29+298	29+775	477	
20	Elin Pelin - stop Pobit Kamak	2	18,20‰	29+600	29+900	300	
21	Stop Pobit Kamak - Stop	1	25,00‰	31+850	32+865	1 015	
22	Stop Pobit Kamak - Stop	2	25,00‰	31+900	32+875	975	
23	Vakarel-Verinsko	1	-24,90‰	41+850	43+170	1 320	
24	Vakarel-Verinsko	2	-24,90‰	41+850	43+170	1 320	
25	Verinsko-Ihtiman	1	-12,00‰	48+640	48+900	260	
26	Verinsko-Ihtiman	2	-12,00‰	48+640	48+900	260	
27	Ihtiman - stop Nemirovo	1	20,00‰	64+908	65+528	620	
28	Ihtiman - stop Nemirovo	2	20,00‰	64+908	65+528	620	
29	stop Nemirovo-Kostenets	1	-25,00‰	66+140	68+500	2 360	
30	Stop Nemirovo-Kostenets	2	-25,00‰	66+140	68+500	2 360	
31	Kostenets - Belovo	1	-20,00‰	80+734	82+780	2 046	
32	Kostenets - Belovo	2	-20,00‰	80+721	82+780	2 059	
33	Belovo-Septemvri	1	-15,00‰	95+050	95+620	570	
34	Belovo-Septemvri	2	-15,00‰	95+050	95+620	570	

N	Interstation section	Route	Longitudinal gradient (‰)	Beginning of the gradient	End of the gradient	Gradient length/ m/	Note:
35	Septemvri-Pazardzhik	1	-5,20‰	112+762	113+275	513	
36	Septemvri-Pazardzhik	2	-5,20‰	112+748	113+261	513	
37	Pazardzhik - Ognyanovo	1	6,90‰	125+904	126+404	500	
38	Pazardzhik - Ognyanovo	2	6,90‰	125+890	126+390	500	
39	Ognyanovo-Stamboliyski	1	-8,70‰	131+191	131+952	761	
40	Ognyanovo-Stamboliyski	2	-8,70‰	131+175	131+936	761	
41	Stamboliyski - Todor Kableshov	1	-3,70‰	140+499	141+125	626	
42	Stamboliyski - Todor Kableshov	2	-3,70‰	140+496	141+122	626	
43	Todor Kableshkov - Plovdiv	1	-7,10‰	153+980	154+410	430	
44	Todor Kableshkov - Plovdiv	2	-7,10‰	153+976	154+374	398	
45	Plovdiv - Krumovo	1	2,50‰	163+340	164+180	840	
46	Plovdiv - Krumovo	2	2,50‰	163+340	164+180	840	
47	Krumovo - Katunitsa		1,60‰	164+747	165+608	861	
48	Katunitsa-Popovitsa	1	-7,50‰	181+500	182+000	500	
49	Katunitsa-Popovitsa	2	-7,50‰	181+500	182+000	500	
50	Popovitsa - Parvomay		10,00‰	193+600	194+750	1 150	
51	Parvomay - Karadzhhalovo		-4,50‰	202+010	202+490	480	
52	Karadzkhovo - Yabalkovo		4,50‰	212+550	213+050	500	
53	Yabalkovo - Dimitrovgrad		5,00‰	228+300	223+830	530	
54	Dimitrovgrad - Nova Nadezhda		12,00‰	234+430	235+141	711	
55	Nova Nadezhda - Simeonovgrad		-9,00‰	252+337	251+838	501	
56	Simeonovgrad - Harmanli		-9,00‰	270+530	271+371	841	
57	Harmanli - Lyubimets		-10,00‰	282+985	283+635	650	
58	Lyubimets - Svilengrad		10,00‰	291+950	292+660	710	
59	Svilengrad - Kapikule		8,81‰	307+744	308+323	579	
60	Svilengrad - Dikaia		8,00‰	300+415	300+664	249	
Stanyantsi shunting area							
1	Kalotina - Stanyantsi		18,00‰	13+162	13+464	302	
Beli Breg shunting area							
1	Aldomirovti - Beli breg		-17,00 ‰	44+315	44+734	419	
13 railway line Voluyak - Bankya							
1	Voluyak - Bankya		18,00‰	17+620	18+380	760	
Chukurovo shunting area							
1	Vakarel - Chukurovo		19,00‰	1+980	2+240	260	
16 railway line Septemvri - Dobrinishte							
1	Septemvri - Varvara		20,00‰	4+900	5+570	670	
2	Varvara - Dolene		30,00‰	8+972	9+102	130	

N	Interstation section	Route	Longitudinal gradient (‰)	Beginning of the gradient	End of the gradient	Gradient length/ m/	Note:
3	Dolene - Kostandovo		30,00‰	23+896	24+024	128	
4	Kostandovo - Velingrad		-21,50‰	37+200	37+480	280	
5	Velingrad - Tsvetino		25,00‰	44+756	44+906	150	
6	Tsvetino - Avramovo		30,00‰	68+100	68+233	133	
7	Avramovo - Cherna Mesta		-30,00‰	68+710	69+500	790	
8	Cherna Mesta - Yakoruda		-24,00‰	84+100	84+500	400	
9	Yakoruda - Belitsa		-15,00‰	89+630	90+160	530	
10	Belitsa - Razlog		15,00‰	109+410	110+450	1 040	
11	Razlog - Bansko		25,00‰	114+460	115+400	940	
12	Bansko - Dobrinishte		-15,00‰	121+710	124+390	2 680	
18 railway line Stamboliyski - Peshtera							
1	Stamboliyski - Bratsigovo		25,00‰	19+200	20+400	1 200	
2	Bratsigovo - Peshtera		22,00‰	24+510	26+900	2 390	
19 railway line Krumovo - Asenovgrad							
1	Krumovo - Asenovgrad		-12,60‰	6+808	8+208	400	
II railway line Sofia - Mezdra - Gorna Oryachovitsa - Varna							
1	Sofia - Sofia Sever	1	-11,70‰	0+770	1+140	370	
2	Sofia - Sofia Sever	2	-11,18‰	0+740	1+400	660	
3	Sofia Sever - Iliyantsi	1	-7,70‰	2+386	3+200	814	
4	Sofia Sever - Iliyantsi	2	-7,70‰	2+386	3+200	814	
5	Iliyantsi - Kurilo	1	-8,00‰	7+080	7+480	400	
6	Iliyantsi - Kurilo	2	-8,00‰	7+080	7+480	400	
7	Kurilo - Rebrovo	1	-8,50‰	13+450	13+990	540	
8	Kurilo - Rebrovo	2	-10,00‰	13+500	13+990	490	
9	Rebrovo - Svoqe	1	-10,70‰	26+960	28+320	1 360	
10	Rebrovo - Svoqe	2	-10,00‰	29+830	32+150	2 320	
11	Svoqe - Bov	1	-10,00‰	40+400	41+440	1 040	
12	Svoqe - Bov	2	-10,00‰	40+400	41+440	1 040	
13	Bov - Lakatnik	1	-9,80‰	44+640	44+900	260	
14	Bov - Lakatnik	2	-9,80‰	44+640	44+900	260	
15	Lakatnik - Eliseyna	1	-10,05‰	55+646	58+024	2 378	
16	Lakatnik - Eliseyna	2	-10,45‰	58+090	58+390	300	
17	Eliseyna - Zverino	1	-10,00‰	67+420	68+060	640	
18	Eliseyna - Zverino	2	-10,00‰	65+550	66+050	500	
19	Zverino - Mezdra Yug	1	-10,00‰	83+160	84+180	1 020	
20	Zverino - Mezdra Yug	2	-10,00‰	83+160	84+180	1 020	
21	Mezdra Yug - Mezdra	1	-6,30‰	86+760	87+611	851	

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22	Mezdra Yug - Mezdra	2	-6,30‰	86+760	87+611	851	
23	Mezdra - Roman	1	-9,34‰	97+598	98+283	685	
24	Mezdra - Roman	2	-9,34‰	97+598	98+283	685	
25	Roman - Kunino	1	-8,07‰	114+840	115+440	600	
26	Roman - Kunino	2	-8,00‰	114+829	115+432	603	
27	Kunino - Cherven Bryag	1	-10,00‰	125+963	126+763	800	
28	Kunino - Cherven Bryag	2	-10,00‰	125+963	126+763	800	
29	Cherven Bryag - Telish	1	16,30‰	148+200	148+800	600	
30	Cherven Bryag - Telish	2	16,30‰	148+200	148+800	600	
31	Telish - Gorni Dabnik	1	-10,00‰	165+300	166+600	1 300	
32	Telish - Gorni Dabnik	2	-10,00‰	165+300	166+600	1 300	
33	Gorni Dabnik - Dolni Dabnik	1	-13,60‰	170+670	171+120	450	
34	Gorni Dabnik - Dolni Dabnik	2	-13,60‰	170+670	171+120	450	
35	Dolni Dabnik - Yasen	1	-12,00‰	179+455	179+905	450	
36	Dolni Dabnik - Yasen	2	-12,00‰	179+455	179+905	450	
37	Yasen - Pleven Zapad	1	9,00‰	191+277	191+737	460	
38	Yasen - Pleven Zapad	2	9,00‰	191+277	191+737	460	
39	Pleven Zapad - Pleven	1	11,85‰	194+016	194+290	274	
40	Pleven Zapad - Pleven	2	12,12‰	194+016	194+256	240	
41	Pleven - Pordim	1	18,60‰	197+750	198+500	750	
42	Pleven - Pordim	2	18,60‰	197+750	198+500	750	
43	Pordim - Levski	1	-11,35‰	209+820	210+520	700	
44	Pordim - Levski	2	-11,35‰	209+820	210+520	700	
45	Levski - Pavlikeni	1	15,20‰	245+304	245+904	600	
46	Levski - Pavlikeni	2	15,20‰	245+304	245+904	600	
47	Pavlikeni - Resen	1	-6,28‰	263+305	264+154	849	
48	Pavlikeni - Resen	2	-6,84‰	263+923	264+123	200	
49	Resen - Polikraishte		15,80‰	283+133	283+796	663	
50	Polikraishte - Gorna Oryahovitsa		-14,10‰	289+940	290+656	716	
51	Gorna Oryahovitsa - Dzhulyunitsa	1	-8,00‰	307+085	307+655	577	
52	Gorna Oryahovitsa - Dzhulyunitsa	2	-8,00‰	307+085	307+655	577	
53	Dzhulyunitsa - Strazhitsa	1	6,00‰	311+920	312+440	520	
54	Dzhulyunitsa - Strazhitsa	2	6,00‰	311+920	312+440	520	
55	Strazhitsa - stop Asenovo	1	12,00‰	324+960	325+400	440	
56	Strazhitsa - stop Asenovo	2	12,00‰	324+960	325+400	440	
57	stop Asenovo - Slavyanovo	1	25,00‰	336+870	343+625	6 755	
58	Stop Asenovo - Slavyanovo	2	25,00‰	336+870	343+625	6 755	
59	Slavyanovo - Popovo	1	-15,00‰	347+620	348+380	760	

[illegible]

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1	Svishtov - Oresh		-3,80‰	11+360	11+423	63	
2	Oresh - Morava		-10,00‰	25+685	27+500	1 815	
3	Block post Morava-Levski		15,50 ‰	38+880	39+400	520	
4	Levski - Letnitsa		-15,00 ‰	52+500	53+060	560	
5	Letnitsa - Doyrentsi		15,00 ‰	70+460	70+680	220	
6	Doyrentsi - Lovech Sever		-12,30‰	88+128	88+363	235	
7	Lovech Sever - Lovech		-15,00 ‰	91+497	93+017	1 520	
8	Lovech - Troyan		-14,00 ‰	128+240	129+560	1 320	
26 railway line Shumen - Komunari							
1	Shumen - Smyadovo		-15,00 ‰	10+480	11+200	720	
2	Smyadovo - Komunari		10,00 ‰	25+120	25+545	425	
28 railway line Devnia -Kardam							
1	Razdelna - Devnia		14,00‰	7+000	7+430	430	
2	Devnia- Suvorovo		19,00‰	12+330	13+540	1 210	
3	Suvorovo - Valchi dol		19,10‰	23+200	24+900	1 700	
4	Valchi dol - Oborishte		20,00‰	41+800	42+300	500	
5	Oborishte - Donchevo		-19,80‰	55+350	56+210	860	
6	Donchevo - Dobrich		-14,70‰	62+770	63+470	700	
7	Dobrich – Dobrich Sever		-12,50‰	68+190	68+490	300	
8	Dobrich - Sever - stop General Toshevo		-12,50‰	81+000	81+600	600	
9	Stop General Toshevo - Kardam		-12,40‰	104+380	104+730	350	
III railway line Iliyantsi - Karlovo - Zimnitsa - Karnobat - Sindel							
1	Iliyantsi - Svetovrachene		4,20‰	0+600	0+900	300	
2	Svetovrachene - Kremikovtsi		15,00‰	6+290	6+760	470	
3	Kremikovtsi - Yana		10,00‰	17+260	19+340	2 080	
4	Yana - Stolnik		13,50‰	22+810	23+210	400	
5	Stolnik - Sarantsi		15,27‰	37+836	38+104	268	
6	Sarantsi - Makotsevo		14,00‰	47+039	47+359	320	
7	Makotsevo - Dolno Kamartsi		15,00‰	52+780	53+380	600	
8	Dolno Kamartsi - Mirkovo		16,15‰	60+880	61+100	220	
9	Mirkovo - Zlatitsa		-15,00‰	70+145	70+361	216	
10	Zlatitsa - Pirdop		7,30‰	81+529	81+889	370	
11	Pirdop - Anton		15,10‰	85+800	86+045	245	
12	Anton - Koprivshtitsa		15,00‰	92+230	93+430	200	
13	Koprivshtitsa - Stryama		-6,60‰	103+240	103+500	260	
14	Stryama - Klisura		-15,00‰	108+620	109+122	502	
15	Klisura - Hristo Danovo		-15,00‰	126+300	127+250	950	

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16	Hristo Danovo - stop Iganovo		-12,30‰	134+077	136+287	2 210	
17	Stop Iganovo - Sopot		-12,60‰	142+347	142+847	500	
18	Sopot - Karlovo		-14,00‰	147+160	147+880	720	
19	Karlovo - Botev		4,50‰	147+130	147+740	610	
20	Botev - Kalofer		15,30‰	160+990	161+190	200	
21	Kalofer - Tazha		-14,50‰	172+050	172+490	440	
22	Tazha - Sahrane		-13,40‰	182+240	182+950	710	
23	Sahrane - Dunavtsi		-11,00‰	192+150	192+460	310	
24	Dunavtsi - Kazanlak		-12,80‰	198+370	199+130	760	
25	Kazanlak - Cherganovo		-10,00‰	207+200	207+700	500	
26	Cherganovo - Tulovo		-6,50‰	213+580	214+800	1 220	
27	Tulovo - Dabovo		15,00‰	228+012	228+358	346	
28	Dabovo - Gurkovo		-15,00‰	231+870	232+440	570	
29	Gurkovo - Tvarditsa		14,20‰	248+646	248+900	254	
30	Tvarditsa - Shivachevo		-14,80‰	258+000	258+900	900	
31	Shivachevo - Gavrailovo		-15,00‰	269+000	269+310	310	
32	Gavrailovo - Sliven		14,80‰	295+250	295+590	340	
33	Sliven - Zhelyo Voyvoda		-15,40‰	297+545	297+940	395	
34	Zhelyo Voyvoda - Zimintsa		11,50‰	315+870	316+630	760	
35	Karnobat - Lozarevo	1	12,00‰	14+520	15+050	530	
36	Karnobat - Lozarevo	2	12,00‰	14+520	15+050	530	
37	Lozarevo - Podvis		12,00‰	22+940	23+210	275	
38	Podvis - BP Prilep		-12,00‰	26+374	26+639	265	
39	BP Prilep - Zavet	1	-12,40‰	36+600	36+820	220	
40	BP Prilep - Zavet	2	-12,40‰	36+600	36+820	220	
41	Zavet - BP Lyulyakovo	1	11,00‰	43+920	44+230	310	
42	Zavet - BP Lyulyakovo	2	11,00‰	43+920	44+230	310	
43	BP Lyulyakovo - Duskotna		-10,00‰	56+700	56+900	200	
44	Daskotna - Tarnak		-3,00‰	61+750	62+110	360	
45	Turnak - BP Struya		0,50‰	69+050	69+350	300	
46	BP Struya - Asparuhovo	1	-10,00‰	75+025	75+502	477	
47	BP Struya - Asparuhovo	2	-10,00‰	75+025	75+502	477	
48	Asparuhovo - Komunari		-11,20‰	82+400	82+890	490	
49	Komunari - Dalgopol	1	-11,40‰	85+250	85+620	370	
50	Komunari - Dalgopol	2	-11,40‰	85+250	85+620	370	
51	Dalgopol - Velichkovo	1	3,70‰	99+550	100+250	700	
52	Dalgopol - Velichkovo	2	3,70‰	99+550	100+250	700	
53	Velichkovo - Yunak	1	11,00‰	110+100	110+450	350	

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54	Velichkovo - Yunak	2	11,00‰	110+100	110+450	350	
55	Yunak - Sindel		4,00‰	120+440	120+940	500	
31 railway line Kurilo - Svetovrachane							
1	Kurilo - Svetovrachane		15,00‰	4+369	5+428	1 059	
32 railway line Musachevo - Yana - Obedinena - Kremikovtsi							
1	Musachevo - Yana		14,30‰	23+420	24+800	1 380	
2	Obedinena - Kremikovtsi		-15,80‰	4+610	4+950	340	
3	Yana - Obedinena		15,00‰	1+440	1+934	494	
33 railway line Kazichane - Stolnik							
1	Kazichane - BP Musachevo		-4,10‰	20+390	20+800	410	
2	Block post Musachevo - Stolnik		15,15‰	24+720	24+920	200	
IV railway line Dunav Most 1- Ruse - Gorna Oryahovitsa - Stara Zagora - Mihaylovo - Dimitrovgrad - Podkova							
1	Dunav Most - Ruse Razpredelitelna		10,00‰	2+113	2+679	566	
2	Ruse Razpredelitelna - Ruse		16,50‰	9+739	9+900	161	
3	Ruse - Dolapite		-20,00‰	12+418	12+690	272	
4	Dolapite - Ivanovo		-16,00‰	24+520	24+980	460	
5	Ivanovo - Tabachka		16,00‰	37+800	38+600	800	
6	Tabachka - Dve Mogili		-16,00‰	42+850	44+100	1 250	
7	Dev mogili - Borovo		16,00‰	55+900	56+260	360	
8	Borovo - Morunitsa		-27,00‰	64+150	64+375	225	
9	Morunitsa - Byala		-26,00‰	66+750	66+950	200	
10	Byala - Polski Trambesh		-11,00‰	89+480	89+972	492	
11	Polski Trambesh - Petko Karavelovo		9,30‰	92+710	93+170	460	
12	Petko Karavelovo - Yantra		9,10‰	104+400	105+060	660	
13	Yantra - Gorna Oryahovitsa		16,34‰	111+632	111+832	200	
14	Gorna Oryahovitsa - Samovodene		10,00‰	124+890	125+275	385	
15	Samovodene - Veliko Tarnovo		10,00‰	132+900	133+550	650	
16	Veliko Tarnovo - Debelets		5,00‰	138+550	139+000	450	
17	Debelets - Dryanovo		15,20‰	148+526	149+370	844	
18	Dryanovo - Tsareva Livada		17,50‰	163+700	164+700	1000	
19	Tsareva Livada - Tryavna		17,20‰	169+910	171+080	1170	
20	Tryavna - Plachkovtsi		20,00‰	181+370	182+320	950	
21	Plachkovtsi - Krastets		26,10‰	190+317	190+467	150	
22	Krastets - Raduntsi		-27,00‰	203+838	203+973	135	
23	Raduntsi - Dabovo		-25,30‰	216+665	216+935	270	
24	Dabovo - Tulovo		-15,00‰	217+921	218+267	346	
25	Tulovo - Zmeyovo		22,00‰	231+725	231+815	90	

N	Interstation section	Route	Longitudinal gradient (‰)	Beginning of the gradient	End of the gradient	Gradient length/ m/	Note:
26	Zmeyovo - Stara Zagora		-25,00‰	241+640	241+820	180	
27	Mihaylovo - Merichleri		-16,00‰	13+279	13+479	200	
28	Merichleri - Dimitrovgrad sever		-16,00‰	28+250	28+610	360	
29	Dimitrovgrad Sever- Dimitrovgrad		8,20‰	30+650	31+000	350	
30	Dimitrovgrad - Haskovo		-19,00‰	3+406	3+606	200	
31	Haskovo - Most		25,00‰	49+500	50+100	600	
32	Most - stop Perperek		-24,60‰	62+960	63+400	440	
33	Stop Perperek - Kardzhali		-12,00‰	66+500	67+500	1 000	
34	Kardzhali - Momchilgrad		23,50‰	89+360	89+600	240	
35	Momchilgrad - Podkova		9,00‰	113+300	113+500	200	
42 railway line Tsareva Livada - Gabrovo							
1	Tsareva Livada - Gabrovo		-25,00‰	11+380	11+990	610	
V Sofia - Vladaya - Pernik - Dupnitsa - Kulata railway line							
1	Sofia - Zaharna Fabrika	1	15,00 ‰	1+270	2+095	825	
2	Sofia - Zaharna Fabrika	2	15,00 ‰	1+270	2+095	825	
3	Zaharna Fabrika - Gorna Banya		20,90‰	9+347	9+593	246	
4	Gorna Banya -Vladaya		25,40‰	10+348	12+156	1 808	
5	Vladaya - Dragichevo		-25,00‰	20+900	22+410	1 510	
6	Dragichevo - Pernik Razpredelitelna		-15,50 ‰	24+016	24+374	358	
7	Pernik Razpredelitelna - Pernik		-9,00‰	27+113	29+269	2156	
8	Pernik - Batanovtsi		-10,00‰	35+426	35+722	296	
9	Batanovtsi - Radomir	1	-10,00‰	41+130	41+575	445	
10	Batanovtsi - Radomir	2	-10,10 ‰	41+090	41+540	450	
11	Radomir - Dolni Rakovets		6,00‰	52+490	53+240	750	
12	Dolni Rakovets - block post Galabnik		6,80 ‰	63+600	64+310	710	
13	BP Gulubnik - Delyan		14,40‰	69+880	70+580	900	
14	Delyan - Dyakovo		-20,60 ‰	74+610	74+890	280	
15	Dyakovo- Dupnitsa		-18,40 ‰	88+470	88+845	375	
16	Dupnitsa- Boboshevo		-15,30‰	100+100	100+630	530	
17	Boboshevo - Kocherinovo		-15,80 ‰	110+330	110+740	410	
18	Kocherinovo - Blagoevgrad		-11,50 ‰	114+830	115+060	230	
19	Blagoevgrad - Simitli		-15,50‰	136+080	136+424	344	
20	Simitli - Cherniche		-9,90 ‰	141+690	142+300	610	
21	Cherniche - Peyu Yavorov		-8,40 ‰	153+530	154+390	860	
22	Peyu Yavorov - Kresna		-10,00‰	162+300	163+410	1 110	
23	Kresna - Strumyani		-10,00‰	166+470	167+700	960	
24	Strumyani - Sandanski		-7,88‰	174+241	174+695	454	
25	Sandanski - Damyanitsa		-9,80 ‰	186+285	186+548	263	

N	Interstation section	Route	Longitudinal gradient (‰)	Beginning of the gradient	End of the gradient	Gradient length/ m/	Note:
26	Damyanita - General Todorov		-8,40 ‰	192+580	192+787	207	
27	General Todorov - Kulata		9,00‰	200+049	201+352	1303	
28	Kulata - Kulata /border/		4,10‰	208+179	208+618	439	
51 railway line Dupnitsa - Bobov Dol							
1	Dupnitsa - Golyamo selo		-15,29‰	0+990	1+492	502	
2	Golyamo selo - Bobov dol		-23,30‰	17+500	18+360	860	
52 railway line General Todorov - Petrich							
1	General Todorov - Petrich		15,30 ‰	6+914	7+208	294	
VI railway line Voluyak - Razmenna - Pernik - Radomir - Gyueshevo							
1	Voluyak - block post Brigadir		6,00‰	11+900	14+500	2 600	
2	BP Brigadir - Hrabarsko		12,00‰	22+100	22+640	540	
3	Hrabarsko - Razmenna		12,80‰	28+591	28+847	256	
4	Razmenna - Pernik Razpredelitelna		-12,00‰	40+894	41+454	560	
5	Radomir - BP Alexander Dimitrov		10,00‰	9+000	9+400	400	
6	BP Alexander Dimitrov - Zemen		-9,50 ‰	11+080	11+500	420	
7	Zemen - Razhdavitsa		-15,00 ‰	36+910	38+940	2 030	
8	Razhdavitsa - BP Kopilovtsi		-7,00 ‰	45+660	46+180	520	
9	Stop Kopilovtsi - Kyustendil		14,00‰	52+880	53+620	740	
10	Kyustendil - Gyueshevo		20,00 ‰	82+663	88+243	5 580	
Railway line Razmenna - Batanovtsi							
1	Razmenna - Batanovtsi		-15,60 ‰	46+200	47+000	800	
VII railway line Mezdra - Vidin - Dunav most 2							
1	Mezdra - Ruska Byala		17,00 ‰	0+580	1+520	940	
2	Mezdra Yug - Ruska Byala		15,40 ‰	5+800	6+200	400	
3	Ruska Byala - Vratsa	1	17,00 ‰	9+800	11+600	1 800	
4	Ruska Byala - Vratsa	2	17,00 ‰	9+800	11+600	1 800	
5	Vratsa - Beli Izvor		-17,00 ‰	18+270	20+900	2 630	
6	Beli Izvor - Krivodol		-13,50‰	36+030	36+370	340	
7	Krivodol - Boychinovtsi		-11,50‰	53+510	54+290	780	
8	Boychinovtsi- Marchevo		9,00‰	60+650	60+960	310	
9	Murchevo - Stop Gabrovnitsa		15,00 ‰	64+800	66+560	1 760	
10	Stop Gabrovnitsa - Dolno Tserovene		-16,00‰	72+750	73+580	830	
11	Dolno Tserovene - Medkovets		9,00‰	79+980	82+020	2 040	
12	Medkovets - Brusartsi		-22,00 ‰	89+750	93+935	4 185	
13	Brusartsi - Drenovets		12,00‰	94+870	95+400	530	
14	Drenovets - Oreshets		17,00 ‰	107+060	110+400	3 340	
15	Oreshets - Dimovo		-26,00‰	132+600	133+260	660	

N	Interstation section	Route	Longitudinal gradient (‰)	Beginning of the gradient	End of the gradient	Gradient length/ m/	Note:
16	Dimovo - Sratsimir		25,00‰	141+835	142+760	925	
17	Sratsimir -BP Vidbol		-25,00‰	162+440	162+860	420	
18	BP Vidbol - Vidin tovarna		-12,00‰	170+370	171+150	780	
19	Vidin Tovarna - Vidin Patnicheska - <i>Path 1</i>		-4,60 ‰	179+960	180+260	300	
20	Vn Nova Tovarna - block post Kapitanovtsi - Dunav Most 2 - <i>Path 2 and Path 2A</i>		6,20‰	9+749	10+439	690	
71 railway line Boychinovtsi- Montana							
1	Boychinovtsi - Montana		12,00 ‰	10+254	10+954	700	
2	Montana - Berkovitsa		22,00‰	36+252	37+356	1 104	
72 railway line Brusartsi - Lom							
1	Brusartsi - Lom		-13,00‰	18+450	19+450	1 000	
VIII railway line Plovdiv - Stara Zagora - Burgas							
1	Plovdiv - Filipovo		-10,00‰	4+160	4+540	380	
2	Filipovo - Skutare		-3,00 ‰	9+150	9+800	650	
3	Plovdiv Razpreditelna Iztok - Trakia	1	-2,00 ‰	5+660	7+360	1 700	
4	Plovdiv Razpreditelna Iztok - Trakia	2	-2,20 ‰	5+784	6+532	748	
5	Trakia - Skutare	1	5,30 ‰	9+278	9+750	472	
6	Trakia - Skutare	2	6,40‰	9+295	9+854	559	
7	Skutare - Manole		-3,20‰	21+483	21+837	354	
8	Manole - Belosem		-4,20‰	22+322	22+907	585	
9	Belosem - Orizovo		5,90 ‰	41+910	42+416	506	
10	Orizovo - Cherna gora		10,00‰	44+340	45+350	1 010	
11	Cherna gora - Chirpan		10,00‰	54+860	55+240	380	
12	Chirpan - Svoboda		13,92‰	65+102	65+497	395	
13	Svoboda - Mihaylovo		-13,00 ‰	72+220	72+720	500	
14	Mihaylovo - Kaloyanovets	1	9,5‰	85+620	87+620	2 000	
15	Mihaylovo - Kaloyanovets	2	9,5‰	85+620	87+620	2 000	
16	Kaloyanovets - Stara Zagora	1	4,80‰	93+672	94+452	780	
17	Kaloyanovets - Stara Zagora	2	4,80‰	93+672	94+452	780	
18	Stara Zagora - Kalitinovo	1	-10,29‰	109+304	110+013	709	
19	Stara Zagora - Kalitinovo	2	-10,29‰	109+307	110+017	710	
20	Kalitinovo - Han Asparuh		-4,80‰	117+671	118+171	500	
21	Han Asparuh - Nova Zagora		-5.80 ‰	134+199	134+699	500	
22	Nova Zagora - Konyovo		7.40 ‰	149+221	149+634	413	
23	Konyovo - Kermen		10.80 ‰	158+469	158+746	277	
24	Kermen - Bezmer	1	-6.80 ‰	169+383	170+312	929	
25	Kermen - Bezmer	2	-6.80 ‰	169+383	170+312	929	

N	Interstation section	Route	Longitudinal gradient (‰)	Beginning of the gradient	End of the gradient	Gradient length/ m/	Note:
26	Bezmer - Yambol	1	-8.20 ‰	176+763	177+428	665	
27	Bezmer - Yambol	2	-8.20 ‰	176+762	177+246	484	
28	Yambol - Zavoy		7.40 ‰	192+050	193+000	950	
29	Zavoy - Zimnitsa		8.70 ‰	193+895	194+569	674	
30	Zimnitsa - Straldzha	1	7.86 ‰	200+360	200+935	575	
31	Zimnitsa - Straldzha	2	7.86 ‰	200+360	200+935	575	
32	Straldzha - Tserkovski	1	4.25 ‰	218+150	218+876	726	
33	Straldzha - Tserkovski	2	4.25 ‰	218+150	218+876	726	
34	Tserkovski - Karnobat	1	8.60 ‰	225+670	226+288	618	
35	Tserkovski - Karnobat	2	8.60 ‰	225+668	226+294	626	
	Karnobat - Chernograd	1	4.70 ‰	242+814	243+125	311	
36	Karnobat - Chernograd	2	-4,70‰	242+861	243+291	430	
37	Chernograd - Aytos	1	-11.20 ‰	246+109	246+512	403	
38	Chernograd - Aytos	2	-11.20 ‰	246+125	246+625	500	
39	Aytos - Balgarovo	1	-8.10 ‰	267+096	268+092	996	
40	Aytos - Balgarovo	2	-8.20 ‰	267+101	268+060	959	
41	Balgarovo - Druzhba	1	-6.40 ‰	271+459	271+877	418	
42	Balgarovo - Druzhba	2	-6.40 ‰	271+468	271+887	419	
43	Druzhba - Dolno Ezerovo	1	-6.10 ‰	280+008	280+317	309	
44	Druzhba - Dolno Ezerovo	2	-5.30 ‰	279+988	280+320	332	
45	Dolno Ezerovo - BP Lozovo	1	-4.00 ‰	281+780	282+505	725	
46	Dolno Ezerovo - BP Lozovo	2	-4.10 ‰	281+745	282+510	765	
47	Lozovo - Vladimir Pavlov	1	-4.00 ‰	287+768	288+286	518	
48	Lozovo - Vladimir Pavlov	2	-3.90 ‰	287+785	288+315	530	
49	Vladimir Pavlov - Burgas	1	-8.30 ‰	291+121	291+309	188	
50	Vladimir Pavlov - Burgas	2	-9,50 ‰	291+131	292+327	196	

81 railway line Filipovo - Panagyurishte

1	Filipovo - Saedinie	-6,00 %	9+361	9+550	189
2	Saedinie - Panagyurishte	25,00%	59+563	59+872	309

82 railway line Filipovo - Karlovo

1	Filipovo - Trud		4,20‰	1+100	1+300	200	
2	Trud - Graf Ignatievo		8,00‰	8+780	9+100	320	
3	Graf Ignatievo - Kaloyanovo		6,20‰	17+900	18+868	968	
4	Kaloyanovo - Dolna Mahala		10,00‰	27+230	27+457	227	
5	Dolna Mahala - Banya		10,30‰	45+090	45+533	443	
6	Banya - Karlovo		17,00‰	56+590	56+990	400	

82.1 railway line Dolna Mahala - Hisarya

N	Interstation section	Route	Longitudinal gradient (‰)	Beginning of the gradient	End of the gradient	Gradient length/ m/	Note:
1	Dolna Mahala - Hisaria		-16,00‰	14+500	14+900	400	
83 railway line Simeonovgrad- Nova Zagora							
1	Simeonovgrad- Galabovo		-11,50‰	2+340	2+620	280	
2	Galabovo - Lyubenovo Predavatelna		-11,00‰	15+600	16+120	520	
3	Lyubenovo Predavatelna - Radnevo		-10,00‰	28+916	29+216	300	
4	Radnevo - Nova Zagora		11,00‰	45+980	46+260	280	
Yambol Yug shunting area							
	Yambol - Elhovo		6,00‰	2+980	3+250	270	
86 Vladimir Pavlov - Sarafovo railway line							
1	Vladimir Pavlov - Sarafovo		15,00 ‰	0+460	1+480	1 020	
2	Sarafovo - 16+007		12,00 ‰	11+240	11+710	470	
IX railway line Ruse Razpredelitelna - Kaspichan							
1	Ruse Razpredelitelna - Obratzsov Chiflik		25,00‰	4+401	5+000	599	
2	Obratzsov Chiflik - Yastrebovo		16,70‰	16+070	18+900	2 830	
3	Yastrebovo - Vetovo		16,70‰	24+000	26+070	2 070	
4	Vetovo - Senovo		13,30‰	44+350	44+650	300	
5	Senovo - Prostrorno		16,80‰	48+500	49+950	1 450	
6	Prostrorno - Razgrad		11,80‰	64+450	65+520	1 070	
7	Razgrad - stop Yasenovets		16,80‰	73+510	74+880	1 370	
8	Stop Yasenovets - Samuil		-18,00‰	82+850	83+190	340	
9	Samuil - Visoka Polyana		17,20‰	93+350	94+350	1 000	
10	Visoka polyana - Hitrino		17,20‰	97+000	97+450	450	
11	Hitrino - Pliska		-19,10‰	117+590	118+080	490	
12	Pliska - Kaspichan		-13,60‰	135+510	136+480	970	
91 Railway line Samuil - Silistra							
1	Samuil - Isparih		-15,00 ‰	15+500	16+540	1 040	
2	Isparih - Dulovo		-15,00 ‰	51+810	52+145	335	
3	Dulovo - Silistra		-14,86 ‰	109+300	109+880	580	