4-A.3 Breakdown of Lump-sum Price (CIVIL WORKS)

Item	Description	Unit	Quantity	Unit Price (EUR)	Price (EUR)
A.3.1	**Permanent Way**				
A.3.1.1	Samsun Station at 0+000	L.S.	1		
A.3.1.2	open line between Samsun - Demirciköy	L.S.	1		
A3.1.2A	Demirciköy Station at 10+423	L.S.	1		
A.3.1.2B	open line between Demirciköy-Meşelidüz	L.S.	1		
A.3.1.3	Meşelidüz Station at 18+865	L.S.	1		
A.3.1.4	open line between Meşelidüz - Çukurbük	L.S.	1		
A.3.1.5	Çukurbük Station at 34+137	L.S.	1		
A.3.1.6	open line between Çukurbük - Kavak	L.S.	1		
A.3.1.7	Kavak Station at 47+553	L.S.	1		
A.3.1.8	open line between Kavak - Ladik	L.S.	1		
A.3.1.9	Ladik Station at 64+484	L.S.	1		
A.3.1.10	open line between Ladik - Bekdiğin	L.S.	1		
A.3.1.10A	Bekdiğin Station 73+312	L.S.	1		
A.3.1.10B	open line between Bekdiğin-Havza	L.S.	1		
A.3.1.11	Havza Station at 86+042	L.S.	1		
A.3.1.12	open line between Havza - Hacıbayram	L.S.	1		
A.3.1.13	Hacıbayram Station at 100+260	L.S.	1		
A.3.1.14	open line between Hacıbayram - Suluova	L.S.	1		
A.3.1.15	Suluova Station at 105+880	L.S.	1		
A.3.1.16	open line between Suluova - Boğazköy	L.S.	1		
A.3.1.17	Boğazköy Station at 120+040	L.S.	1		
A.3.1.18	open line between Boğazköy - Amasya	L.S.	1		
A.3.1.19	Amasya Station at 133+080	L.S.	1		
A.3.1.20	open line between Amasya - Eryatağı	L.S.	1		
A.3.1.21	Eryatağı Station at 140+280	L.S.	1		
A.3.1.22	open line between Eryatağı - Kayabaşı	L.S.	1		
A.3.1.23	Kayabaşı Station at 145+870	L.S.	1		
A.3.1.24	open line between Kayabaşı - Kızılca	L.S.	1		
A.3.1.25	Kızılca Station at 153+060	L.S.	1		
A.3.1.26	open line between Kızılca - Kızoğlu	L.S.	1		
A.3.1.27	Kızoğlu Station at 165+420	L.S.	1		
A.3.1.28	open line between Kızoğlu - Samurçay	L.S.	1		
A.3.1.29	Samurçay Station at 181+280	L.S.	1		
A.3.1.30	open line between Samurçay - Turhal	L.S.	1		
A.3.1.31	Turhal Station at 196+700	L.S.	1		
A.3.1.32	open line between Turhal - Zile	L.S.	1		
A.3.1.33	Zile Station at 215+120	L.S.	1		
A.3.1.34	open line between Zile - Yıldıztepe	L.S.	1		
A.3.1.35	Yıldıztepe Station at 228+720	L.S.	1		
A.3.1.36	open line between Yıldıztepe - Güzelbeyli	L.S.	1		
A.3.1.37	Güzelbeyli Station at 243+450	L.S.	1		
A.3.1.38	open line between Güzelbeyli - Ulusulu	L.S.	1		
A.3.1.39	Ulusulu Station at 259+710	L.S.	1		
A.3.1.40	open line between Ulusulu - Artova	L.S.	1		
A.3.1.41	Artova Station at 276+570	L.S.	1		
A.3.1.42	open line between Artova - Yeşilyurt	L.S.	1		
A.3.1.43	Yeşilyurt Station at 293+160	L.S.	1		
A.3.1.44	open line between Yeşilyurt - Topulyurdu	L.S.	1		
A.3.1.45	Topulyurdu Station at 306+440	L.S.	1		
A.3.1.46	open line between Topulyurdu - Çamlıbel	L.S.	1		
A.3.1.47	Çamlıbel Station at 317+540	L.S.	1		
A.3.1.48	open line between Çamlıbel - Subaşı	L.S.	1		
A.3.1.49	Subaşı Station at 329+130	L.S.	1		
A.3.1.50	open line between Subaşı - Yıldızeli	L.S.	1		
A.3.1.51	Yıldızeli Station at 348+010	L.S.	1		
A.3.1.52	open line between Yıldızeli - Menteşe	L.S.	1		
A.3.1.52A	Menteşe Station at 364+158	L.S.	1		
A.3.1.52B	open line between Menteşe - Kalın	L.S.	1		
	Sub Total (Permanent Way)				

A.3.2	**Engineering Structures**				
A.3.2.1	**Tunnel Works**				
A.3.2.1.1	Tunnel 3: 10 meters extension for tunnel in the direction of Sivas	L.S.	1		
A.3.2.1.2	Tunnel 11: 10 meters extension for tunnel in the direction of Sivas	L.S.	1		
A.3.2.1.3	Tunnel 12: 20 meters extension for tunnel in the direction of Sivas	L.S.	1		
	Sub Total (Tunnel extension works)				
A.3.2.1.4	Rehabilitation of Tunnel No : 4	L.S.	1		
A.3.2.1.5	Rehabilitation of Tunnel No : 5	L.S.	1		
A.3.2.1.6	Rehabilitation of Tunnel No : 7	L.S.	1		
A.3.2.1.7	Rehabilitation of Tunnel No : 11	L.S.	1		
A.3.2.1.8	Rehabilitation of Tunnel No : 12	L.S.	1		
A.3.2.1.9	Rehabilitation of Tunnel No : 13	L.S.	1		
A.3.2.1.10	Rehabilitation of Tunnel No : 14	L.S.	1		
A.3.2.1.11	Rehabilitation of Tunnel No : 19	L.S.	1		
A.3.2.1.12	Rehabilitation of Tunnel No : 20	L.S.	1		
A.3.2.1.13	Rehabilitation of Tunnel No : 27	L.S.	1		
A.3.2.1.14	Rehabilitation of Tunnel No : 28	L.S.	1		
A.3.2.1.15	Rehabilitation of Tunnel No : 31	L.S.	1		
	Sub Total (Tunnel rehabilitation works)				
A.3.2.1.16	Slabtrack installation and drainage renewal at Tunnel No:1	L.S.	1		
A.3.2.1.17	Slabtrack installation and drainage renewal at Tunnel No:2	L.S.	1		
A.3.2.1.18	Slabtrack installation and drainage renewal at Tunnel No:3	L.S.	1		
A.3.2.1.19	Slabtrack installation and drainage renewal at Tunnel No:4	L.S.	1		
A.3.2.1.20	Slabtrack installation and drainage renewal at Tunnel No:5	L.S.	1		
A.3.2.1.21	Slabtrack installation and drainage renewal at Tunnel No:6	L.S.	1		
A.3.2.1.22	Slabtrack installation and drainage renewal at Tunnel No:7	L.S.	1		
A.3.2.1.23	Slabtrack installation and drainage renewal at Tunnel No:8	L.S.	1		
A.3.2.1.24	Slabtrack installation and drainage renewal at Tunnel No:9	L.S.	1		
A.3.2.1.25	Slabtrack installation and drainage renewal at Tunnel No:10	L.S.	1		
A.3.2.1.26	Slabtrack installation and drainage renewal at Tunnel No:11	L.S.	1		
A.3.2.1.27	Slabtrack installation and drainage renewal at Tunnel No:12	L.S.	1		
A.3.2.1.28	Slabtrack installation and drainage renewal at Tunnel No:13	L.S.	1		
A.3.2.1.29	Slabtrack installation and drainage renewal at Tunnel No:14	L.S.	1		
A.3.2.1.30	Slabtrack installation and drainage renewal at Tunnel No:15	L.S.	1		
A.3.2.1.31	Slabtrack installation and drainage renewal at Tunnel No:16	L.S.	1		
A.3.2.1.32	Slabtrack installation and drainage renewal at Tunnel No:17	L.S.	1		
A.3.2.1.33	Slabtrack installation and drainage renewal at Tunnel No:18	L.S.	1		
A.3.2.1.34	Slabtrack installation and drainage renewal at Tunnel No:19	L.S.	1		
A.3.2.1.35	Slabtrack installation and drainage renewal at Tunnel No:20	L.S.	1		
A.3.2.1.36	Slabtrack installation and drainage renewal at Tunnel No:21	L.S.	1		
A.3.2.1.37	Slabtrack installation and drainage renewal at Tunnel No:21/A	L.S.	1		
A.3.2.1.38	Slabtrack installation and drainage renewal at Tunnel No:22	L.S.	1		
A.3.2.1.39	Slabtrack installation and drainage renewal at Tunnel No:23	L.S.	1		
A.3.2.1.40	Slabtrack installation and drainage renewal at Tunnel No:24	L.S.	1		
A.3.2.1.41	Slabtrack installation and drainage renewal at Tunnel No:25	L.S.	1		
A.3.2.1.42	Slabtrack installation and drainage renewal at Tunnel No:26	L.S.	1		
A.3.2.1.43	Slabtrack installation and drainage renewal at Tunnel No:27	L.S.	1		
A.3.2.1.44	Slabtrack installation and drainage renewal at Tunnel No:28	L.S.	1		
A.3.2.1.45	Slabtrack installation and drainage renewal at Tunnel No:29	L.S.	1		
A.3.2.1.46	Slabtrack installation and drainage renewal at Tunnel No:30	L.S.	1		
A.3.2.1.47	Slabtrack installation and drainage renewal at Tunnel No:31	L.S.	1		
A.3.2.1.48	Slabtrack installation and drainage renewal at Tunnel No:32	L.S.	1		
A.3.2.1.49	Slabtrack installation and drainage renewal at Tunnel No:33	L.S.	1		
A.3.2.1.50	Slabtrack installation and drainage renewal at Tunnel No:34	L.S.	1		
A.3.2.1.51	Slabtrack installation and drainage renewal at Tunnel No:36	L.S.	1		
A.3.2.1.52	Slabtrack installation and drainage renewal at Tunnel No:36/A	L.S.	1		
A.3.2.1.53	Slabtrack installation and drainage renewal at Tunnel No:36/B	L.S.	1		
A.3.2.1.54	Slabtrack installation and drainage renewal at Tunnel No:36/C	L.S.	1		
A.3.2.1.55	Slabtrack installation and drainage renewal at Tunnel No:37	L.S.	1		
A.3.2.1.56	Slabtrack installation and drainage renewal at Tunnel No:37/A	L.S.	1		
A.3.2.1.57	Slabtrack installation and drainage renewal at Tunnel No:38	L.S.	1		

A.3.2.1.58	Slabtrack installation and drainage renewal at Tunnel No:38-A	L.S.	1		
A.3.2.1.59	Slabtrack installation and drainage renewal at Tunnel No:38/B	L.S.	1		
A.3.2.1.60	Slabtrack installation and drainage renewal at Tunnel No:39	L.S.	1		
A.3.2.1.61	Slabtrack installation and drainage renewal at Tunnel No:39/A	L.S.	1		
A.3.2.1.62	Slabtrack installation and drainage renewal at Tunnel No:39/B	L.S.	1		
	Sub Total (Slabtrack & drainage in tunnels)				
A.3.2.2	**Replacement of all Bridges**				
A.3.2.2.1	Replacement of Bridge at Km: 8+936	L.S.	1		
A.3.2.2.2	Replacement of Bridge at Km: 9+543	L.S.	1		
A.3.2.2.3	Replacement of Bridge at Km: 13+733	L.S.	1		
A.3.2.2.4	Replacement of Bridge at Km: 13+969	L.S.	1		
A.3.2.2.5	Replacement of Bridge at Km: 15+130	L.S.	1		
A.3.2.2.6	Replacement of Bridge at Km: 15+361	L.S.	1		
A.3.2.2.7	Replacement of Bridge at Km: 18+169	L.S.	1		
A.3.2.2.8	Replacement of Bridge at Km: 26+153	L.S.	1		
A.3.2.2.9	Replacement of Bridge at Km: 26+335	L.S.	1		
A.3.2.2.10	Replacement of Bridge at Km: 27+022	L.S.	1		
A.3.2.2.11	Replacement of Bridge at Km: 27+276	L.S.	1		
A.3.2.2.12	Replacement of Bridge at Km: 28+655	L.S.	1		
A.3.2.2.13	Replacement of Bridge at Km: 92+970	L.S.	1		
A.3.2.2.14	Replacement of Bridge at Km: 93+479	L.S.	1		
A.3.2.2.15	Replacement of Bridge at Km: 118+247	L.S.	1		
A.3.2.2.16	Replacement of Bridge at Km: 119+733	L.S.	1		
A.3.2.2.17	Replacement of Bridge at Km: 120+409	L.S.	1		
A.3.2.2.18	Replacement of Bridge at Km: 130+652	L.S.	1		
A.3.2.2.19	Replacement of Bridge at Km: 146+142	L.S.	1		
A.3.2.2.20	Replacement of Bridge at Km: 161+679	L.S.	1		
A.3.2.2.21	Replacement of Bridge at Km: 163+789	L.S.	1		
A.3.2.2.22	Replacement of Bridge at Km: 176+673	L.S.	1		
A.3.2.2.23	Replacement of Bridge at Km: 185+506	L.S.	1		
A.3.2.2.24	Replacement of Bridge at Km: 196+114	L.S.	1		
A.3.2.2.25	Replacement of Bridge at Km: 207+392	L.S.	1		
A.3.2.2.26	Replacement of Bridge at Km: 215+140	L.S.	1		
A.3.2.2.27	Replacement of Bridge at Km: 218+335	L.S.	1		
A.3.2.2.28	Replacement of Bridge at Km: 281+282	L.S.	1		
A.3.2.2.29	Replacement of Bridge at Km: 295+223	L.S.	1		
A.3.2.2.30	Replacement of Bridge at Km: 305+569	L.S.	1		
A.3.2.2.31	Construction of new bridge at Km:175	L.S.	1		
	Sub Total (Replacement of Bridges)				
A.3.2.3	**Replacement of all Culverts**				
A.3.2.3.1	Culvert Renewal (1054 Culverts)	L.S.	1		
	Sub Total (Culvert renewal)				
A.3.2.4	**Construction of Overpass/Underpass**				
A.3.2.4.1	Construction of Underpass/Overpass at Km: 0+044	L.S.	1		
A.3.2.4.2	Construction of Underpass/Overpass at Km: 133+076	L.S.	1		
A.3.2.4.3	Construction of Underpass/Overpass at Km: 196+703	L.S.	1		
A.3.2.4.4	Construction of Underpass/Overpass at Km: 1+800	L.S.	1		
A.3.2.4.5	Construction of Underpass/Overpass at Km: 3+500	L.S.	1		
	Sub Total (Construction Overpass/Underpass)				
A.3.2.5	**Replacement/Construction of all Retaining Walls**				
A.3.2.5.1	Retaining Wall Construction between Km: 88+400 - 88+500	L.S.	1		
A.3.2.5.2	Retaining Wall Construction between Km: 112+050 - 112+100	L.S.	1		
A.3.2.5.3	Retaining Wall Construction between Km: 131+468 - 131+718	L.S.	1		
	Sub Total (Retaining wall construction)				
A.3.2.6	**Renewal of passenger Platforms of Stations, (15 Stations)**				
A.3.2.6.1	Meşelidüz	L.S.	1		
A.3.2.6.2	Çukurbük	L.S.	1		
A.3.2.6.3	Ladik	L.S.	1		
A.3.2.6.4	Bekdiğin	L.S.	1		
A.3.2.6.5	Havza	L.S.	1		
A.3.2.6.6	Hacıbayram	L.S.	1		
A.3.2.6.7	Suluova	L.S.	1		
A.3.2.6.8	Boğazköy	L.S.	1		
A.3.2.6.9	Kızılca	L.S.	1		
A.3.2.6.10	Kızoğlu	L.S.	1		

A.3.2.6.11	Turhal	L.S.	1		
A.3.2.6.12	Zile	L.S.	1		
A.3.2.6.13	Güzelbeyli	L.S.	1		
A.3.2.6.14	Artova	L.S.	1		
A.3.2.6.15	Yeşilyurt	L.S.	1		
	Sub Total (Station platform works)				
A.3.2.7	**Slope Stabilisation**				
A.3.2.7.1	Slope Stabilization between Km:52+800 - 52+950	L.S.	1		
A.3.2.7.2	Slope Stabilization between Km:56+700 - 56+950	L.S.	1		
A.3.2.7.3	Slope Stabilization between Km:57+800 - 57+900	L.S.	1		
A.3.2.7.4	Slope Stabilization between Km:62+700 - 62+800	L.S.	1		
A.3.2.7.5	Slope Stabilization between Km:69+738 - 69+988	L.S.	1		
A.3.2.7.6	Slope Stabilization between Km:90+650 - 90+900	L.S.	1		
A.3.2.7.7	Slope Stabilization between Km:130+975 - 131+363	L.S.	1		
A.3.2.7.8	Slope Stabilization between Km:159+552 - 159+830	L.S.	1		
A.3.2.7.9	Slope Stabilization between Km:161+700 - 161+900	L.S.	1		
A.3.2.7.10	Slope Stabilization between Km:164+700 - 164+900	L.S.	1		
A.3.2.7.11	Slope Stabilization between Km:170+100 - 170+230	L.S.	1		
A.3.2.7.12	Slope Stabilization between Km:174+500 - 174+700	L.S.	1		
A.3.2.7.13	Slope Stabilization between Km:176+800 - 177+000	L.S.	1		
A.3.2.7.14	Slope Stabilization between Km:178+400 - 178+600	L.S.	1		
A.3.2.7.15	Slope Stabilization between Km:178+800 - 179+050	L.S.	1		
A.3.2.7.16	Slope Stabilization between Km:227+700 - 227+830	L.S.	1		
A.3.2.7.17	Slope Stabilization between Km:229+000 - 229+900	L.S.	1		
A.3.2.7.18	Slope Stabilization between Km:256+950 - 257+200	L.S.	1		
A.3.2.7.19	Slope Stabilization between Km:278+000 - 280+000	L.S.	1		
A.3.2.7.20	Slope Stabilization between Km:279+100 - 279+300	L.S.	1		
A.3.2.7.21	Slope Stabilization between Km:280+800 - 281+000	L.S.	1		
A.3.2.7.22	Slope Stabilization between Km:294+500 - 294+700	L.S.	1		
A.3.2.7.23	Slope Stabilization between Km:294+800 - 294+900	L.S.	1		
A.3.2.7.24	Slope Stabilization between Km:299+600 - 299+800	L.S.	1		
A.3.2.7.25	Slope Stabilization between Km:300+000 - 300+250	L.S.	1		
	Sub Total (Slope Stabilization)				
A.3.8	**Soil Improvement**				
A.3.8.1	Soil Improvement between Km:7+200 - 7+500	L.S.	1		
A.3.8.2	Soil Improvement between Km:7+160 - 7+240	L.S.	1		
A.3.8.3	Soil Improvement between Km:53+800 - 54+100	L.S.	1		
A.3.8.4	Soil Improvement between Km:58+300 - 58+600	L.S.	1		
A.3.8.5	Soil Improvement between Km:58+600 - 59+900	L.S.	1		
A.3.8.6	Soil Improvement between Km:62+150 - 62+450	L.S.	1		
A.3.8.7	Soil Improvement between Km:80+800 - 80+900	L.S.	1		
A.3.8.8	Soil Improvement between Km:161+750 - 162+200	L.S.	1		
A.3.8.9	Soil Improvement between Km:210+900 - 211+200	L.S.	1		
A.3.8.10	Soil Improvement between Km:221+500 - 222+000	L.S.	1		
A.3.8.11	Soil Improvement between Km:228+250 - 228+400	L.S.	1		
A.3.8.12	Soil Improvement between Km:229+000 - 229+900	L.S.	1		
A.3.8.13	Soil Improvement between Km:239+700 - 239+800	L.S.	1		
A.3.8.14	Soil Improvement between Km:240+900 - 241+600	L.S.	1		
A.3.8.15	Soil Improvement between Km:242+400 - 243+500	L.S.	1		
A.3.8.16	Soil Improvement between Km:248+350 - 249+600	L.S.	1		
A.3.8.17	Soil Improvement between Km:250+100 - 250+300	L.S.	1		
A.3.8.18	Soil Improvement between Km:256+900 - 257+200	L.S.	1		
A.3.8.19	Soil Improvement between Km:324+600 - 324+900	L.S.	1		
A.3.8.20	Soil Improvement between Km:325+750 - 326+000	L.S.	1		
A.3.8.21	Soil Improvement between Km:327+600 - 327+850	L.S.	1		
A.3.8.22	Soil Improvement between Km:342+800 - 343+050	L.S.	1		
A.3.8.23	Soil Improvement between Km:353+550 - 353+800	L.S.	1		

A.3.8.24	Soil Improvement between Km:359+000 - 359+500	L.S.	1		
A.3.8.25	Soil Improvement between Km:360+500 - 362+000	L.S.	1		
A.3.8.26	Soil Improvement between Km:368+400 - 368+900	L.S.	1		
A.3.8.27	Soil Improvement between Km:370+350 - 370+850	L.S.	1		
A.3.8.28	Soil Improvement between Km:373+000 - 373+500	L.S.	1		
	Sub Total (Soil İmprovement)				
A.3.9	**Construction of Buildings**				
A.3.9.1	Construction of CTC Building	L.S.	1		
	Sub Total (Construction of buildings)				
				TOTAL A.3	

Date

Name

Signature _____

Duly authorised to sign for and on behalf of _____