Social Sector

Nr.o rt	Project title (sector included)	Project brief description (location included)	Project Stage* (Maturity) (details)	Project duration (preparation + implementation	Total investment cost	Grant / Source	Loan / Source	National Co-financing	SR Score
1	Rehabilitation of Health Provider Institutions - Phase II, Component I – Consolidation of the University Clinic Complex" Mother Teresa" in Skopje, (MINISTRY OF HEALTH)	To contribute to the implementation of the road map for restructuring of the health sector before 2020 by establishing the new network of modern regional clinical hospitals(SKOPJE and STIP)	3. MATURE		176.697.683€				115
2	Construction of physical education facilities in primary schools, acquisition of equipment and the rehabilitation of primary and secondary schools (MINISTRY OF EDUCATION)	Providing the conditions for realization of a proper teaching process(whole territory)	3. MATURE		47.000.000€	2.000.000€			109
3	Reconstruction of the Special Hospital "St. Erasmus "-Ohrid including the needs of the Institute for cardiovascular illness, Ohrid (MINISTRY OF HEALTH)	Modernisation and upgrading of the Health institutions (OHRID)	3. MATURE		3.500.000€				107
4	Construction of Physical Education Facilities in secondary schools, acquisition of equipment and refurbishment of those schools to meet the basic requirements for learning (MINISTRY OF EDUCATION)	Providing the conditions for realization of a proper teaching process for physical and health education. (whole territory)	3. MATURE		15.300.000€	1.000.000€			99
5	General Hospital in Kicevo	Modernisation and upgrading of the Health institutions (KICEVO)	3. MATURE		5.300.000€				87
e	Reconstruction of the Special Surgical Hospital "St.Naum Ohridski (MINISTRY OF HEALTH)	Improvement of the health care services (SKOPJE)	3. MATURE		2.872.605€				81
7	Reconstruction of psychiatric hospital in Demir Hisar ' (MINISTRY OF HEALTH)	Modernisation and upgrading of the Health institutions (DEMIR HISAR)	1.NOT MATURE		1.440.000€	300.000USD- Donation from NAVFAC			109
8	Reconstruction of Clinical hospital in Tetovo (MINISTRY OF HEALTH)	Modernisation and upgrading of the Health institutions	1.NOT MATURE		3.500.000				81
g	Reconstruction of prisons premises for inmates in prison Bitola (MINISTRY OF JUSTICE)	Reconstruction of prison Bitola with aim to double the capacities of institution for accommodation of convicted and detained persons, as well as to provide better conditions for the administrative part	1.NOT MATURE		1.500.000€				100
10	Reconstruction of the Public Prosecution Office for organized crime and corruption (MINISTRY OF JUSTICE)	Improvement of working conditions of the Public Prosecutor's Office for Organized Crime and Corruption with the purpose of uninterrupted prosecutorial function in accordance with the law.	1.NOT MATURE		48.780				99
11	Reconstruction and outbuilding of the penitentiary-correctional institutions of the Republic of Macedonia (MINISTRY OF JUSTICE)	Development and improvement the conditions in prisons for convicted and detained persons, as well as for the staff and providing more capacity for the penal-correctional and educational-correctional system in the Rebublic of Macedonua, in accordance with European Standards and prison rules	1.NOT MATURE		9 285.000 €				99

Social Sector

Reconstruction of the General Hospital 12 "Borka Taleski" Prilep (MINISTRY OF HEALTH)	Modernisation and upgrading of the Health institutions (PRILEP)	1.NOT MATURE	1.400.000€			89
Reconstruction of the roof of the 13 General Hospitl in Struga (MINISTRY OF HEALTH)	Modernisation and upgrading of the Health institutions	1.NOT MATURE	150.000			79
Construction of 49 Facilities for Pre- school Education and Care (MINISTRY OF LABOR AND SOCIAL POLICY)	Constructed and equipped 49 new early childhood education and care facilities (kindergartens) leading to increased participation of children aged 0-6 within the pre-school education system.(44 municipalities in RM)	1.NOT MATURE	18.980.000€			87
Development of services for prevention of social exclusion (MINISTRY OF LABOR AND SOCIAL POLICY)	This project will contribute to the development of country's capacities to help the most vulnerable persons exposed at social risks (children, people with disabilities and elderly people), through preventive activities(Municipality of Makedonski brod, Negotino and Gazi Baba- Skonie)	1.NOT MATURE	2.940.000€			87
Reconstruction of a court buildings 16 (MINISTRY OF JUSTICE)	Improvement of the working conditions in the courts and increasing the level of communication and service to the customers	1.NOT MATURE	7.500.000€			87
Reconstruction of General Hospital 8th 17 September (MINISTRY OF HEALTH)	Modernisation and upgrading of the Health institutions (SKOPJE)	1.NOT MATURE	4.000.000€		2.500.000€-MoH has provided Still needs 1.500.000€	87
Continuation of Rehabilitation (or building) of schools in the Primary and 18 Secondary Education as support for the inclusiveness (MINISTRY OF EDUCATION)	Improving the school environment for achieving equal access to quality compulsory education for all students.(whole territory)	1.NOT MATURE	52.000.000€	3.000.000€		85
Completion and adaptation of the hospital building, - General Hospital, Strumica (MINISTRY OF HEALTH)	Completion and adaptation of the Hospital building in order to provide sufficient room to accommodate Urgent Centre, Diagnostics and inpatient ward(STRUMICA)	1.NOT MATURE	4.500.000€		MF provided 2.200.000 € Still needs 2.300.000€	85
Reconstruction of the Clinical Hospital "Trifun Panovski" Bitola, R. Macedonia 20 (MINISTRY OF HEALTH)	Modernisation and upgrading of the Health institutions (BITOLA)	1.NOT MATURE	Phase I: apx 1,8 milion € Phase II: apx 5 million €		MoH provided 1.850.000€ Still needs 5.000.000€	83
Construction of an Emergency Department as part of the General Hospital Kumanovo, Republic of 21 Macedonia (MINISTRY OF HEALTH)	Modernisation and upgrading of the Health institutions (KUMANOVO)	1.NOT MATURE	1.175.000€		25.000€-MoH has provided for implementation 373.000€-MoH has provided for preparation Still peeds 777.000€	83
Reconstruction of a academy for judges and public prosecutors (MINISTRY OF JUSTICE)		1.NOT MATURE				79
Reconstruction of the building of the Public Prosecution Office of the Republic of Macedonia (MINISTRY OF JUSTICE)	Improvement of working conditions, throug taking measures to improve the safety of the facility and persons who work or are serving in the building of the Public Prosecution of the Republic of Macedonia.	1.NOT MATURE	48.780			71

Nr. crt	Project title (sector included)	Project brief description (location included)	Project Stage* (Maturity) (details)	Project duration (preparation + implementation	Total investment cost	Grant / Source	Loan / Source	National Co- financimg	SR Score
1	Construction of WWTP for Skopje and supervision activities	The purpose of the infrastructure project is construction of the WWTP in the City of Skopje.	3.mature	preparation 21 months;	120 million EUR (Construction works + Supervision)				130
2	Upgrading and extension of the sewage network in Skopje and supervision activities	The purpose of the infrastructure project is upgrading and extension of the sewage network in the Municipality of Skopje.	3.mature	preparation 10 months; implementation 18+12 months	12.5 million EUR (Construction works + Supervision)				130
3	Extension and rehabilitation of the sewerage system and construction of a waste water treatment plant in Bitola and supervision activities	The purpose of the infrastructure project is construction of the WWTP and extension and rehabilitation of the sewerage network in the Municipality of Bitola.	3.mature	preparation 24 months; implementation 18 + 12 months	22.5 million EUR (Construction works + Supervision)				128
4	Extension and rehabilitation of the sewerage system and construction of a waste water treatment plant in Tetovo and supervision activities	The purpose of the infrastructure project is construction of the WWTP and extension and rehabilitation of the sewerage network in the Municipality of Tetovo.	3.mature	preparation 24 months; implementation 18 + 12 months	23.5 million EUR (Construction works + Supervision)				128
5	Upgrading and extension of the sewage network in Kichevo and supervision activities	The purpose of the infrastructure project is upgrading and extension of the sewage network in the Municipality of Kichevo.	3.mature	implementation 8 months	9.5 million EUR (Construction works + Supervision)				126
6	Construction of the selected infrastructure facilities, closure of the noncompliance landfills/dumpsites and supply of equipment for handling and transferring of waste in the East and Northeast regions .	The purpose of the infrastructure project is construction of waste management facilities in East and Northeast Regions in order to establish integrated regional solid waste management system.	3.mature	preparation 15 months;	24 million EUR (Construction works + Supervision)				126
7	Construction of waste management facilities in Pelagonia Region and supervision activities	The purpose of the infrastructure project is construction of waste management facilities in Pelagonia Region in order to establish integrated regional solid waste management system.	3.mature		20.0 million EUR (Construction works + Supervision)				125
8	Construction of waste management facilities in Southwest Region and supervision activities	The purpose of the infrastructure project is construction of waste management facilities in Southwest Region in order to establish integrated regional solid waste management system	3.mature		20.0 million EUR (Construction works + Supervision)				125
9	Construction of waste management facilities in Polog Region and supervision activities	The purpose of the infrastructure project is construction of waste management facilities in Polog Region in order to establish integrated regional solid waste management system.	3.mature		20.0 million EUR (Construction works + Supervision)				125
10	Construction of waste management facilities in Vardar Region and supervision activities	The purpose of the infrastructure project is construction of waste management facilities in Vardar Region in order to establish integrated regional solid waste management system.	3.mature		20.0 million EUR (Construction works + Supervision)				125
11	Construction of WWTP and upgrading and extension of the sewage network in Debar and supervision activities	The purpose of the infrastructure project is construction of the WWTP and extension and rehabilitation of the sewerage network in the Municipality of Debar.	3.mature	preparation 24 months; implementation 18 + 12 months	9.5 million EUR (Construction works + Supervision)				122

12	Construction of WWTP and upgrading and extension of the sewage network in Gostiva r and supervision activities	The purpose of the infrastructure project is construction of the WWTP and extension and rehabilitation of the sewerage network in the Municipality of Gostivar.	3.mature	preparation 24 months; implementation 18 + 12 months	23.5 million EUR (Construction works + Supervision)		122
13	Construction of WWTP and upgrading and extension of the sewage network in Kavadarci and supervision activities	The purpose of the infrastructure project is construction of the WWTP and extension and rehabilitation of the sewerage network in the Municipality of Kavadarci.	3.mature	preparation 24 months; implementation 18 + 12 months	12.5 million EUR (Construction works + Supervision)		122
14	Construction of waste management facilities in Southeast Region and supervision activities	The purpose of the infrastructure project is construction of waste management facilities in Southeast Region in order to establish integrated regional solid waste management system.	3.mature		20.0 million EUR (Construction works + Supervision)		120
15	Construction of WWTP and upgrading and extension of the sewage network in Stip and supervision activities	The purpose of the infrastructure project is construction of the WWTP and extension and rehabilitation of the sewerage network in the Municipality of Stip.	3.mature	implementation 18 + 12 months	9.5 million EUR (Construction works + Supervision)		120
16	Construction of WWTP and upgrading and extension of the sewage network in Veles and supervision activities	The purpose of the infrastructure project is construction of the WWTP and extension and rehabilitation of the sewerage network in the Municipality of Veles.	3.mature	implementation 18 + 12 months	16.5 million EUR (Construction works + Supervision)		118
17	Clean-up Activities for Alpha-HCH, Beta- HCH and Lindane Contaminated Sites at OHIS	The project purpose is to set up a sustainable mechanism to ensure a sustainable clean up operation at the selected HCH contaminated site for future industrial use, and to protect human health and the environment from their adverse effects by reducing and eliminating the releases of and exposure to HCHs.	3.mature		Approx.35.000.000 USD		112
18	Excavation and on or off site remediation of the chromium dumpsite in Jegunovce	Elimination of industrial hotspots in the country through the development of remediation.	1.not mature		12.710.606,00 Euro		122
19	Excavation and off site remediation of the lead, zinc and cadmium dumpsite in Veles	Elimination of industrial hotspots in the country through the development of remediation.	1.not mature		23.614.364,00 Euro		119
20	Restoration of Pena river	Flood protection	1.not mature		/		107
21	Restoration of Poroj river	Establishing continuous maintenance and cleaning of the riverbeds, with specific regard to the river Poroj	1.not mature		/		107
22	Restoration of Pcinja river	Flood protection	1.not mature		1		107
23	Sanation and recultivation of the lead and zinc dumpsite in Probistip.	Elimination of industrial hotspots in the country through the development of remediation.	1.not mature		4.234.917,00 Euro		103
24	Excavation and slag recycling of the dumpsite in Zelezara, Skopje	Elimination of industrial hotspots in the country through the development of remediation.	1.not mature		8.000.000,00 euro		100
25	Construction of Pollog Regional water supply system (Tetovo, Zelino, Bogovinje, Brvenica and Vrapciste)	The Purpose of the project is to improve environmental conditions and to protect natural water resources in the region, by establishment of water supply systems for Tetovo, Zelino, Bogovinje, Brvenica and Vranciste	1.not mature		/		92
26	Development of new natural friendly forms for accommodation in national parks Mavrovo, Pelister and Galicica	Development of eco-tourism in national parks	1.not mature		5.050.000 EUR		91
27	Construction of bio-corridors of roads and railways in R. macedonia	The primary objective of preserving the bio-corridor with Biological diversity, and preserving the significant habitats and significant populations of animal species in R.Macedonia	1.not mature		2.525.000 EUR		91

28	Construction of wastewater treatment plants in towns with a population of 2.000 to 15.000 inhabitants (Centar Zupa)	The Purpose of the project is to improve environmental conditions and to protect natural water resources in the region, by establishment of systems for collection and treatment of wastewater settlements in the district with population over 6.519 inhabitants with population density of 60.81 inhabitants per square kilometer	1.not mature	6.0 million EUR (Construction works + Supervision)		87
29	Construction of Pollog Regional water supply system (Tetovo, Gostivar)	The Purpose of the project is to improve environmental conditions and to protect natural water resources in the region, by establishment of water supply systems for Tetovo and Gostivar	1.not mature	10.450.000 EUR (Construction works + Supervision)		87
30	Construction of wastewater treatment plants in towns with a population of 2.000 to 15.000 inhabitants (Demir Kapija)	The Purpose of the project is to improve environmental conditions and to protect natural water resources in the region, by establishment of systems for collection and treatment of wastewater settlements in the district with population over 4,545 inhibitans in Demir kapija.	1.not mature	6.0 million EUR (Construction works + Supervision)		77
31	Construction of depositary/save center for wild animals and plants	The primary objective of the save center / depositary for temporarily storing the seized, confiscated, sick or injured wild animals or plants, preserving the biological diversity, preserving a substantial populations of animal and flora aspects of RMacedonia	1.not mature	1.400.000 EUR		76
32	Construction of wastewater treatment plants in towns with a population more than 15.000 inhabitants (Lipkovo)	The Purpose of the project is to improve environmental conditions and to protect natural water resources in the region, by establishment of systems for collection and treatment of wastewater settlements in the district with population over 22,454 inhabitants for Tarce, Lipkovo Municipality has 27,058 inhabitants, 19,212 inhibitans for Negotino.	1.Conceptual idea-not mature	2.0 million EUR (Construction works + Supervision)		87
33	Construction of wastewater treatment plants in towns with a population more than 15.000 inhabitants (Tearce,)	The Purpose of the project is to improve environmental conditions and to protect natural water resources in the region, by establishment of systems for collection and treatment of wastewater settlements in the district with population over 22,454 inhabitants for Tarce, Lipkovo Municipality has 27,058 inhabitants, 19,212 inhibitans for Negotino.	1.Conceptual idea-not mature	2.0 million EUR (Construction works + Supervision)		87
34	Construction of wastewater treatment plants in towns with a population more than 15.000 inhabitants (Negotino)	The Purpose of the project is to improve environmental conditions and to protect natural water resources in the region, by establishment of systems for collection and treatment of wastewater settlements in the district with population over 22,454 inhabitants for Tarce, Lipkovo Municipality has 27,058 inhabitants, 19,212 inhibitans for Negotino.	1.Conceptual idea-not mature	2.0 million EUR (Construction works + Supervision)		87
35	Construction of Wastewater Treatment Plants for Settlements with Population over 2,000 in the Strumica River Basin District – Novo Selo	The Purpose of the project is to improve environmental conditions and to protect natural water resources in the Strumica River Basin District, by establishment of systems for collection and treatment of wastewater from three settlements (municipal centres) in the district with population over 2,000 – Bosilovo, Vasilevo and Novo Selo.	1.Conceptual idea- not mature	2.0 million EUR (Construction works + Supervision)		87
36	Construction of Wastewater Treatment Plants for Settlements with Population over 2,000 in the Strumica River Basin District – Vasilevo	The Purpose of the project is to improve environmental conditions and to protect natural water resources in the Strumica River Basin District, by establishment of systems for collection and treatment of wastewater from three settlements (municipal centres) in the district with population over 2,000 – Bosilovo, Vasilevo and Novo Selo.	1.Conceptual idea- not mature	2.0 million EUR (Construction works + Supervision)		87

37	Construction of Wastewater Treatment Plants for Settlements with Population over 2,000 in the Strumica River Basin District – Bosilovo	The Purpose of the project is to improve environmental conditions and to protect natural water resources in the Strumica River Basin District, by establishment of systems for collection and treatment of wastewater from three settlements (municipal centres) in the district with population over 2,000 – Bosilovo, Vasilevo and Novo Selo.	1.Conceptual idea- not mature		2.0 million EUR (Construction works + Supervision)				87
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Nr. crt	Project title (sector included)	Project brief description (location included)	Project Stage* (Maturity) (details)	Project duration (preparation + implementation	Total investment cost	Grant / Source	Loan / Source	national co-financing	SR Score
1	Interconnection (South West of Macedonia) Bitola(Macedonia) – Elbasan (Albania), the Republic of Macedonia's part and 400/110Kv SS Ohrid	The new 400 kV interconnection as a part of the corridor East – West, enablesdirect connection of the power systems of Republic of Macedonia and Albania and improves the connection of Albanian power systemwith the region. As a result, the regional dispatching of energy between power systems of Republic of Macedonia and Albania and the Balkan countries more widely, will be improved leading to market expansion and enhanced supply stability. The components aimed to be supported via the grant will ensure that this is done in an energy efficient way and using the best available technologies. The introduction of smart grid components in the project will facilitate the upgrading of a remote monitoring and control system (SCADA) in the network, the inclusion of hardware and associated software to improve energy forecasting and load dispatch for renewable power plantsand the introduction of more sophisticated automated demand response mechanisms in meeting requirements for balancing and ancillary services.	3 Mature		63,7 mil.EUR				3,49
2	Main gas pipeline section 3 branch Stip- Hamzali Main gas pipeline section 4 Hamzali- Stojakovo (border with Greece) , Main gas pipeline section 13 Hamzali – Novo Selo (border with Republic of Bulgaria)	Allowing access to energy fuel on the territory around Radovis-Bogdanci- Strumica-Gevgelija and possibility for construction of interconnection with the existing system in the Republic of Greece and interconnection with TAP. Natural gas diversification i.e. natural gas supply of other sources of the Republic of Macedonia. Possibility for construction of interconnection with the existing system of the Republic of Bulgaria and interconnection. Natural gas diversification i.e. natural gas supply of the Republic of Macedonia from other sources.	3 Mature	2017-2019 construction period, 2019-2021 contruction period	71 mil.EUR				2,6
3	CENTRAL HEATING IN BITOLA, NOVACI, AND MOGILA – STAGE I	The central heating system foresees generation of heating energy by recovering the steam from turbines 2 and 3 in TPP Bitola and by means of a 12.5km long hot water transmission line going through arable agricultural land along the settlements of Novaci and Logovardi, which would supply heating energy to the city of Bitola. In the first stage, this will include capacity of 100 MW, of which 80 MW would be provided by TPP Bitola, and the remaining 20MW from the top boiler room in the city (located at the primary pump station in Bitola). This solution for stage one was identified as the optimal one, having in mind the real heating demand and the density of the potential consumers in the area analyzed, as well as the climate specificities, i.e. the heating diagram. The climate in Bitola and the surrounding municipalities is basically of a moderate continental nature with pronounced continental elements, dry and hot summers and short, dry and cold winters. The mean annual air temperature is 11.1 °C and the lowest projected one is -18 °C. Going through the steam-water transformers, the steam recovered from the turbines generates heating energy transported via the hot water transmission line to the primary pump station in the city of Bitola. The	3 Mature	2016-2019 construction years	47 mil.EUR				2,22

4	DEEP UNDERLYING COAL SEAM SUVODOL – BITOLA (REK Bitola)	The location of the underlying coal series is in the exploitation field of the coal mine Suvodol and extends at over approximately 3 km2, which is 1/3 of the total area where the major coal seam spreads (10 km2). The underlying coal complex lies under the major deposit productive seam and is consisted of 1÷18 coal seams. The average thickness of the coal seams in the underlying coal series is 14.97 meters. Through analysis and interpretation of performed investigations and research for the underlying coal series, only two coal seams are selected as economically interesting which are: underlying coal seam I and underlying coal seam is characterized with relatively small thickness of 4.5 meters and lies directly beneath the area of the Major productive seam in Suvodol which is already excavated or is in progress of excavating, (nearing its end of coal reserves) and is located at depths between 2.5÷35.0 meters from the surface. The surface and is separated from the first seam with series of dusty sands. The main difference here is that this one has continuous extension, with variable thickness and in certain locations is subdivided in several thinner seams. The second underlying coal seam is hereing of users from the surface and is separated from the first seam with series of dusty sands. The main	3 Mature	2016-2017 construction period	34,5 mil.EUR		2,01
5	COAL MINE MARIOVO (Prilep – village o Vitoliste)	South of the city Prilep at a distance of arround 30 km, on the regional road Prilep – v.Vitoliste, coal (lignite) deposit is located. The deposit is stretched West– South–West, 7km in length and 2 km in width or approximatelly 14 km ² area bounded by the villages: Manastir, Vitolishte, Polchishte and Beshishte. With the latest detailed geological ivestigations during the years 2009÷2010, geological coal reserves of 96,7 million tons from category A+B+C1 (2010) with lower heating value of 7.654 KJ/kg are confirmed. The larger area where the deposit is located morphologically is mountainous area bordered by the mountain peaks: Perun 1.703 m above sea level, Gjurov kamen 1.566 m a.s.l., Baltova Cuka 1.822 m a.s.l. on the east border and on the north Cucul 1.229 m a.s.l. and Sirka 1.187 m a.s.l., and mainly situated at average of 800 m a.s.l. On this area the largest water flow is river Crna Reka with the affluents which have constant watercourse. Climate conditions are favorable with dry and warm summer, mild, snowy winter and expressive rainy periods or general climate characteristic for the area is moderate – continental. On the South–west (SW) from Mariovo deposit, at a distance of around 30 km air distance, the coal open pit mine "Suvodol" REK Bitola is located. Tectonics in Mariovo basin is almost absent or with local appearances which do not have significant influence over the structural habit of the basin.From coal researches regarding gas conduit of the seam, it is established that this coal deposit is situated on area of 14km ² according to the "Elaborate for geological investigations with classification, categorization and calculation of coal reserves within coal deposit Mariovo" from 2010, and states the following: o Geological reserves 96,7 Mt o Moisture content (total) 35,56 % o Ash content 23,18 %	3 Mature	2018-2020 construction period	126,1 mil.EUR		1,97

6	Main gas pipeline section 1 Klechovce–Negotino, part Stip-Negotinc	Allowing access to energy fuel on the territory around Stip, Negotino and Kavadarci. Transmission of natural gas to other cities of the country.	3 Mature	2016-2017 construction period	17 mil.EUR		1,68
7	Main gas pipeline section 5 Skopje- Tetovo-Gostivar-Kichevo	Allowing access to energy fuel on the territory of Skopje-Tetovo-Gostivar- Kicevo and possibility for introducing natural gas in TEC Oslomej	3 Mature	2016-2018 construction period	50 mil.EUR		1,59
8	Hydro Power Plant Boskov Most (Boskov Most, Tresonce village, near city of Debar)	HPP Boskov Most is complex hydro energy system which includes entire usage of hydro potential of Mala Reka respectively its tributaries Tresonce, Rosoki, Lazaropole River, Valovnica, Garska, Zvoncica and Belesnica which catchment area is situated in the west part of Republic of Macedonia	3 Mature	2016-2020 construction period	143,9 mil.EUR		1,59
9	COAL MINE ZIVOJNO (Zivojno-Bitola)	Deposit "Zivojno" is the third main coal deposit in Pelagonia region and it is located approximately 35km southeast of town Bitola to the border between Republic of Macedonia and Greece or 20 km from mine Suvodol and it is extension of mine Brod-Gneotino (cca 4 km from Brod- Gneotino). It is expanded to the border line with Republic of Greece on south, village Zivojno on east, village Germian on west, to the river Crna on north and spreads over an area of cca 25,0 km2. The deposit is represented by hydro geological complex with specific characteristics of the terrain. The thickness of the main coal seam has continuous spreading throughout the entire deposit and varies between 0,4+8 metres. The depth at which is situated is variable and starts from 33 meters to 195 meters (depending on the relief on the surface above the coal seam). From the previous systematic investigations carried out in the period of the 1966 up to1984, there is "Elaboration for coal reserves" in coal deposit Zivojno, elaborated by Geological Institute – Skopje. In October 2012 the detailed geological investigations have finished, which resulted in final and accurate parameters regarding quality and quantity of the coal seams, geotechnical, geological and hydro-geological data from the surrounding rock masses. All this data is compiled within the following technical documentation: - Elaborate for classification and re-categorization of the coal reserves - Elaborate from the engine-ering-eeological and hydro-geological	3 mature		103,5 mil.EUR		1,56
10	Hydropower Plant Cebren	The partition place Cebren is located at the River Crna Reka, 81 km upstream from its inflow in the River Vardar, near the village Manastir and about 7 km upstream of the Bridge Rasimbegov (Rasimbegov Most), in the canyon part of Crna Reka.On this part there is already constructed HPP Tikves with regular accumulation level of 265,00 meters above the sea level, while for the remaining canyon part of Crna Reka there are analyzed several variant solutions for its energetic utilization, while in the preceding study phase of designing, it is accepted to be constructed two dam hydro power plants with significant accumulation level of 565,00 meters above the sea level HPP Cebren with regular accumulation level of 565,00 meters above the sea level. The partition place itself at HPP Cebren is the narrowest part of the river bed of Crna Reka nearby the village Manastirec with appropriate topographic, geological and geotechnical characteristics that allows for construction of high dam – 192,50 m and forming an storage with volume of 915 million m3.Part of the iso volume up to level of 515,00 maSL as minimal level will represent utilization volume of 555 million m3 water or 60 % of the entire storage,	3 mature		338,4 mil.EUR		1,51

11	Wind Park Bogdanci - 2nd phase	Due to the financial resources, the wind park Bogdanci is executed in two phases: the first phase already completed and in operation; and a second phase with the remaining 13.8 MW (6 wind turbines x2,3MW) and an additional net production of 37 GWhout of total 50MW designed installed capacity. The entire system relating to such power connection comprises 20kV cable line network, 20kV power plant, 2x25/40MVA ONAN/ONAF power transformers located at SS 110/20kV "Bogdanci", 110kV transmission line "SS Bogdanci - SS Valandovo" for transmission of the electric power to the existing SS 110/35/10kV "Valandovo", the latter actually being the point of connection to the National electric power transmission system operator (MEPSO), as well as access roads and platforms for installation of the wind turbines. All this infrastructure is designed and constructed for the total project of 50 MW installed capacity. For this reason, the second phase of the project comprises of completing the infrastructure of the wind park with access roads, platforms and 20 kV connection for the additional 6 wind turbines.	3 Mature	2016-2017 construction period	21 mil.EUR		1,47
12	Main gas pipeline section 2 Negotino- Bitola	Allowing the access to energy fuel on the territory around the industrial zone of Kavadarci, Prilep, Bitola as well as possibility for connecting REK Bitola. Transmission of natural gas to other cities of the country	3 Mature	2016-2018 construction period	40 mil.EUR		1,43
13	Main gas pipelines: - Branch to Tetovo - branch to TEC Negotino - branch to Kavadarci	Allowing the access to energy fuel of the municipalities of Tetovo and Kavadarci and distribution development in the municipalities themselves as well as replacement of mazut with natural gas in the electricity production of TEC Negotino.	3 Mature	2020-2022 construction period	10 mil.EUR		1,4
14	Main gas pipeline sections II phase: Sveti Nikole-Veles - Branch to Gevgelija - Branch to Demir Kapija - Matka – Gracani - Vrshakovo-Kocani- Razlovci - Branch to TEC Oslomej - Branch to Probistip - Klechovce-Sopot - Kicevo-Ohrid - Ohrid-Struga-Kafasan	Allowing access to energy fuel of the cities covered in the second phase of construction of the National Gas Pipeline System in the Republic of Macedonia and possibility for interconnection with Albania through the border crossing Kafasan.	3 Mature	2023-2028 construction period	80 mil.EUR		1,25
15	Lukovo Pole and intake of Korab waters (NP Mavrovo, Rostuse, Gostivar)	The basic objective of the project is reduction of the electric energy imports dependence of Republic of Macedonia, through generation of electric energy from renewable energy source. Also, this project shall initiate the revival of the investment cycle in Republic of Macedonia.	3 Mature	2016-2019 construction period	83,7 mil.EUR		1,24

16	Hydro Power Plant Galiste (Crna River)	The water management plan for utilization of the r.Crna Reka waters in its middle and bottom course, foresees the waters to be utilized for the powerirrigation purposes. In this stretch of the river course, there are natural conditions for construction of high dams and formation of water storages, which will provide the available head to be used for power generation, providing at the same time a possibility for irrigation of the agricultural areas of the Tikves region. The concept for the utilization of the r.Crna Reka from Skocivir up to the estuary of the r.Crna Reka into the r.Vardar, anticipates formation of three dam storages: Cebren, Galiste and Tikves. The available potential of the r.Crna Reka has been so far utilized only in the bottom gorge stretch, executing the construction of the high dam Tikves. The upstream water storages Cebren and Galiste has exclusive electric power importance, providing conditions for formation of huge water storages and regulating of the flows of the r.Crna Reka, all with the purpose of their complete utilization. The future dam site Galiste, located in the middle part of the gorge Tikves, i.e. 54 km. upstream of the r.Crna Reka estuary into the r.Vardar. The profile, at which the construction of a high dam is foreseen, has been selected on the basis of the favorable topographic and engineering- <i>reological_geotechnical and geomechanical conditions</i> . The	3 mature		200 mil.EUR		1,08
17	Hydro Power Plant Spilje II	HPP Spilje is storage electric power plant with a useful volume of 223 million m3, which allows daily and weekly levelling as well as seasonal levelling. For maximum utilization of the flow in the reservoir, respectively reducing water overflow to a minimum, in the spring when the flows in the storage are at highest level, hydropower plant should operate at maximum capacity. In the remaining period and especially during the period from November to February, when there is greatest demand for power and energy, the hydropower plant will be used to produce peak power energy. For this kind of operation of HPP Spilje its installed capacity should be as large as possible. Increasing of the installed capacity of HPP Spilje will allow increased generation. Increased capacity will allow changing the value of the electricity by transferring of the power plant in peak load mode. The generated power and energy into peak load working conditions, is a benefit whose value is larger than the power and energy of run-of-river hydropower plant or thermal power plant. Hydropower plant Spilje was designed and constructed with installed capacity of 66 MW, with the revitalization of the main equipment of the hydropower plant, performed from 1997 to 1999, the installed capacity of HPP Spilje is increased to 84 MW, and has an average annual generation of 300 GWh. Project benefits: • HPP operation will change from base load to peak load capacity; • Reducing of maintenance and operation costs; • Improved system regulation, reserve capacity increase and frequency regulation of	3 Mature	2016-2018 construction period	21,1 mil.EUR		1,05

18	Modernization of Thermal power plant Oslomej (Oslomej, Kicevo)	Prolongation of operational life of TPP Oslomej as a base power plant. With realization of this project it will be obtained soundly balanced domestic production capacity, affordable electricity price, independent of negative and turbulent stock movements and changes in the world energy market, and extends the service life of Oslomej with installed capacity of about 129,5MWel for additional 30 years.	2 Not Mature	2017-2019 construction years	125,4 mil.EUR		0,98
19	400/110 kV substation Kumanovo	The location of the substation should be in the eastern part of the wider city Kumanovo area where will be location of the new 110/20 kV SS Kumanovo 3. In fact, the new SS Kumanovo 3 should become a 400/110 kV station. The connection of SS 400/110 kV Kumanovo can be realized with the input / output of the new interconnection SS Stip – SS Vranje(Serbia). In the first phase will be install a 400/110 kV transformer with a rated power of 300 MVA. When selecting micro location of the new substation in Kumanovo should decide the outcome of 110 kV lines connected to the transformer station which will reach a new reconfiguration of the local 110 kV grid.	1 Not mature	2022-2026 construction period	15 mil.EUR		0,88
20	Modernization and rehabilitation of REK Bitola phase III – reduction of SOx and dust, expanded to include the impact of all harmful substances released from REK Bitola	Reduction of SOx and dust, expanded to include the impact of all harmful substances released from REK Bitola. Taking into account the high investment value of the presented desulphurization technology, and recent development of different types of technologies for desulphurization, AD ELEM decide to continue with development of - Comparative Study analysis between: wet; semi-wet; and dry desulphurization technology; - Development of Feasibility Study for economically best available technology for desulphurization in TPP Bitola ; - Preparation of Tender documentation for selection of constructor for implementation of the economically best available technology for desulphurization.	1 Not mature	2017-2018 construction period	80 mil.EUR		0,85
21	110 kV in-out connection to 110 kV OHTL HPP Vrutok – SS Skopje 1	All problems in the Polog region simply solved with additional reconfiguration of the 110 kV network. The best solution is a 110 kV line HPP Vrutok - TS Skopje 1 to smash and be entered into one of the 110 kV substations in Tetovo region (SS Tetovo 1 or SS Tetovo 2). Depended of the possibility to construct the in-out 110 kV line in urban area will be decision in which substation (SS Tetovo 1 or SS Tetovo 2) will be connected in-out 110 kV line.	1 Not mature	2018-2024 construction period	1.87 mil.EUR		0,8

22	Revitalization/reconstruction of 110 kV transmission lines	The process of aging transmission lines has a significant impact on the operation of the system and network planning. Confidential and older transmission lines may jeopardize the confidentiality and security of the overall system. An important issue for MEPSO is selection of optimal moment for revitalization or reconstruction of transmission lines due observance of a sufficient level of reliability and security of the system. Transmission overhead lines aging during their operation. Transmission lines have a lifespan. It is expected that transmission lines operating in line with the declared characteristics during their lifetime, without significant number of errors and problems. Transmission lines life can change in a wide range due to various factors of influence such as climate conditions, driving conditions or factory properties. During the aging process, the lines are gradually losing its characteristics and the number of defects and their duration increases. With satisfactory and periodical maintenance activities, transmission lines can operate confidentially in accordance with the declared features, as long as it is impossible because of its age.	1 Not mature	2015-2026 construction period	5,82 mil.EUR		0,8
23	400 kV interconnection Skopje 5 - New Kosovo	Optimistic scenario for Kosovo envisages the construction of new production facilities. Given the load of Kosovo, which is about 1400 MW, is expected to reverse large surpluses of generated electricity. Evacuation of excess electricity produced by TPP New Kosovo, the need of building new interconnections from Kosovo to neighbouring systems, the voltage level of 400 kV. Despite the planned interconnection Kosovo - Tirana provides an additional 400 kV interconnection line between Macedonia and Kosovo. With confirmation of the validity of this connection, will continue the activities necessary for the implementation of this second 400 kV interconnection.	- 1 Not mature	2018-2024 construction period	6 mil.EUR		0,69
24	COAL MINES – LAVCI ZVEGOR-STAMER PANCAREVO	Localities "Pancerevo" – Berovo and "Zvegor-Stamer" – Delcevo are far from thermal power plants REK Oslomej and REK Bitola, and if this coal could be used for combustion in one of them, it would result in large decreasing of profitability at the beginning due to high transport costs. Relatively unfavourable lithology of coal layers expressed with high interlayer waste will cause increased costs of coal excavation per ton. However, taking into consideration the fact that this part of Macedonia does not have active thermal power plant, we consider that it is justified to be constructed of new TPP. If within recent period is initiated study for investigation of resource biomass based on quality and quantity, those information may be used for defining of terms of reference for construction of one thermal power plant (50÷60 MWeI) which besides the lignite from mines would use additional fuel – biomass. If quality characteristics of biomass are unknown, and they can vary in caloricity, humidity degree, evaporation volatiles and other physical-chemical characteristics, drafting and technical definition of steam boiler for thet plant is not based because those characteristics influence mostly installed capacity. • Locality of deposit "Lavci" – Resen, where the coal has very low sulphur content, is interesting regarding relatively short	1 Not mature				0,68

25	Hydro Power Project Tenovo Kozjak (Chanel from Tenovo to Kozjak Storage)	The idea for tunnel for redirecting of part of the waters from Vardar river in Treska river respectively from Tenovo site to Kozjak storage dates more than 50 years ago. According to the first Study about this idea [1] which is prepared by Norwegian Consulting Company, there is technical documentation only for tunnel Tenovo-Kozjak [3] where there are energy indicators and some financial analyses with current prices and construction of Energy Power system of Macedonia. At the end of 2014, analysis was made with proposed variants for resolving of this idea along with water usage from HPP Raven to Kozjak storage in ToR [2] from AF – Consult. As a result from these documents, opinion was provided by Civil Engineering Faculty for variants of this project. All these documents should be used as base for further researches, studies and projects until final decision for realization of this idea.	1 Not mature		60 mil.EUR		0,58
26	Combined cycle gas power plant Energetika (Skopje, adjacent to ELEM's existing plant Energetika)	Combined cycle heat and power plant (CCHPP) Energetika is planned to be located nearby existing Energetika which belongs to AD ELEM. New power plant is planned to have maximum installed capacity of 150 MW for electricity generation and maximum installed capacity of 100 MW for heat generation annually. Connection of Combined cycle heat and power plant (CCHPP) Energetika will be on SS 110/6 kV North where there are 4 free fields. Regarding this project, there were prepared Feasibility study by Stork, Holland in 1998, Feasibility Study by the Japan Consulting Institute in 1999 and Feasibility Study by the Enprima, Finland in 2004. In all stated studies, calculations have large heat consumption which is planned to satisfy consumers of heating energy from the larger part of city of Skopje. Construction of new TE-TO Skopje significantly decreases possibility for increasing of heating to support of the totose reasons, new Combined cycle heat and power plant (CCHPP) is planned to have new parameters according to new condition at heat energy market. Technical-economic study for profitability of CCHPP is elaborated within Optimization study where it is shown that the same is	1 Not mature		120 mil.EUR		0,54
27	Hydro Power System Vardarska Dolina (Vardar river valley)	The area of the Vardar Valley has been the focus of interest in its current development and particularly in the last two decades. These interests amplify depending on the specific geopolitical and economic situation of our country, and various aspects of integration of the interest to landscape this area into the development plans at the regional level, as well as the specific interests of developing the economy as a whole. The complex landscaping of the Vardar Valley will includes: – Construction of facilities for energy use; – Construction of systems for the development of agriculture; – Construction of systems for the development of tourism industry, sport and recreation; – Construction of systems for environmental protection, protection of surface and groundwater and other environmental values.	1 Not mature	2027-2032 construction period	1.062.575.412		0,54

28	Hydro Power Plant Globocica II	The Hydro-Power System (HPS) on the Crn Drim (Black Drin) is the highest capacity hydro-power system compared to the others in Macedonia. Its contribution to electricity production in the share of Macedonia's hydro-power plants is around 35%. Both power-plants Globocica and Spilje contribute on average about 450-500 GWh generated electricity into the power system of Macedonia. HPP Globocica as the first plant on the Black Drin is a combined (accumulation and derivation) power plant, which uses the water stored in the Lake of Ohrid and Globocica Reservoir, of which the turbine flow for both turbines is captured. The installed capacity of each of the two units is 25 m3/s or 50 m3/s altogether, i.e. a total installed capacity of 42 MW, with average annual production of 190 GWh. By increasing the installed capacity of HPP Globocica 2 as a new dam power plant, several benefits will be gained such as: * avoidance or reduction of ured soft high inflows, * additional production of HPP Globocica in periods of high tariff, such as peak power plants in a	1 Not mature	2024 for finalisation of the construction	30 mil.EUR		0,53
29	TESLA gas pipeline system	Analysis of the possibility of developing new gas corridors for connecting the countries from the Turkish-Greek border and the terminals on the Black Sea to the EU market with the ability to provide two-way flow of all interconnectors within the s.c. corridor Tesla (Turkey-Greece- Macedonia-Serbia-Hungary-Austria)	1 Not mature	2018-2020 construction period	415 mil.EUR		0,51

Transport sector

Nr. crt	Project title (sector included) TRANSPORT	Project brief description (location included)	Project Stage* (Maturity) (details)	Project duration (preparation + implementation	Total investment cost	Grant / Source	Loan / Source	National Co- financimg	SR Score
1	Construction of the rail section Beljakovce-border with R. Bulgaria	The favourable geographical location of the Republic of Macedonia has contributed to the development of international traffic on two Trans National Axes: North-South (Corridor X) and East-West (Corridor VIII) linked to the Trans European Transport Networks. The railway network in the country consists of two main lines: - Tabanovci – Kumanovo – Skopje - Gevgelija (Corridor X) with branch from Veles to Kremenica (Corridor Xd) and - Beljakovce – Kumanovo – Skopje - Kicevo (Corridor VIII). The railway line along the Corridor VIII is in total length of 315 km and runs East – West. Railway link is interrupted in two sections between Republic of Albania and Republic of Macedonia (about 63 km rail track) and between Republic of Macedonia and Republic of Bulgaria (about 55 km rail track).			470.000.000 €				100
2	Construction of road section Gostivar- Kicevo	Construction road section A2 Gostivar- Kicevo with length of 44.4 km. Proposed project is road section of the Pan European Road Corridor VIII, placed in the north-western region of the country		36	280.000.000€				62,7
3	Construction of road section Drenovo - Interchange Gradsko	Construct new road section A1 Interchange Drenovo - Interchange Gradsko with length of 16.3 km. One of the most frequent routes in Macedonia which deserves a completely new corridor is the road Gradsko-Prilep, marked A1.		18	35.000.000€				94,8

Transport sector

4	Construction works of the railway section Kicevo – Border with Albania	The favourable geographical location of the Republic of Macedonia has contributed to the development of international traffic on two Trans National Axes: North-South (Corridor X) and East-West (Corridor VIII) linked to the Trans European Transport Networks. The railway network in the country consists of two main lines: - Tabanovci – Kumanovo – Skopje - Gevgelija (Corridor X) with branch from Veles to Kremenica (Corridor Xd) and - Beljakovce – Kumanovo – Skopje - Kicevo (Corridor VIII). The railway line along the Corridor VIII through territory in Republic of Macedonia has a length of about 315 km. The route of this line runs East – West direction in the Balkan Peninsula, from the port Burgas in Republic of Bulgaria, goes through territory in Republic of Macedonia and ends in the port Dures in Republic of Albania. The railway link is interrupted in two sections between Republic of Albania and Republic of Macedonia (about 63 km railway track) and between Republic of Macedonia (about 63 km railway track) and between Republic of Macedonia market, not only between neighbouring countries, but also with region in Eastern of Europe. In order to pursue the objective of establishing an operational continuity of Rail Corridor VIII it is necessary to plan the completion of the missing links. The implementation of Rail Corridor VIII, in general framework will contribute to an efficient and environmentally friendly East-West transport Corridor in the Southern Balkans. The construction of this railway link will	72	470.000.000 €		57,4
5	Construction of road section Skopje Kosovo border	The road section road section A4 Skopje - Kosovo border is a part of Route 6 A of the SEETO comprehensive network.	36	70.000.000€		50,7
6	Rehabilitation of road section Negotino - Demir Kapija	The project would be rehabilitation of the existing motorway section. There will be no deviations from the existing alignment.	12	9.000.000€		100
7	Rehabilitation of road section Prilep Raec Bridge	Rehabilitation of road section A1 Prilep - Raec Bridge	18	4.780.000€		96
8	Rehabilitation of road section Gevgelija - Greece border (Bogorodica)	Proposed project is road section of the Pan European Road Corridor X, placed in the north central-region of the country and it is section that connect Macedonia with the Greece.	6	1.150.000€		90,9
9	Rehabilitation of road section Medzitlija (Greece Border) - Interchange Krklino	Proposed project is road section of the Pan European Road Corridor X d, passes through the Pelagonia region in the south central-region of the country and it is section that connects Macedonia with the Greece.	12	1.940.000€		90,8
10	Rehabilitation of road Interchange Krklino - Prilep	Proposed project is road section of the Pan European Road Corridor X d, passes through the Pelagonia region in the south central-region of the country and it is section that connects Macedonia with the Greece.		2.850.000€		90,8
11	Reconstruction of road section from Katlanovo to Petrovec					88,7
12	Rehabilitation of road section Gradsko - Negotino	Proposed project is road section of the Pan European Road Corridor X, placed in the central-region of the country.	12	4.440.000€		88,6

13	Rehabilitation of road section Veles Gradsko	Rehabilitation road section A1 Veles - Gradsko with length of 18.3 km. Proposed project is road section of the Pan European Road Corridor X, placed in the central-region of the country.	12	4.590.000€			88,6
14	Rehabilitation of road section Miladinovci - Skopje	This road section is actually the point where two main road corridors in the Republic of Macedonia, Corridor VIII and Corridor X are interlaced.	9	5.490.000€			88,6
15	Rehabilitation of road section Tetovo - Gostivar	Rehabilitation road section A2 Tetovo - Gostivar with length of 22.4 km. Proposed project is road section of the Pan European Road Corridor VIII, placed in the north-western region of the country	12	5.590.000€			88,6
16	Rehabilitation of road section Kumanovo -Rankovce	Proposed project is road section of the Pan European Road Corridor VIII, placed in the north-western region of the country.	12	9.000.000€			88,5
17	Rehabilitation of road section Skopje - Tetovo	Proposed project is road section of the Pan European Road Corridor VIII, placed in the north-western region of the country.	12	9.930.000€			88,4
18	Construction and supply of ITS on Coridor X	The project is for implementation of ITS on Roads Corridor X in Republic of Macedonia as part of the SEETO comprehensive network which is part of the TEN-T Network. At the moment on the road Corridor X the system of traffic management is on a low level. Duration of rehabilitation works it is expected to be 18 months	18	20.000.000€			86
19	Rehabilitation of Local roads with an amount of 0.5-1 MEUR for each local road	Proposed project is on the remaining local road network in Republic of Macedonia which has not been rehabilitated. Responsible institution for roads sector is Public Enterprise for State Roads (PESR) in coordination with the Ministry of Transport and Communications, Makedonija Pat as responsible public enterprise for maintenance of the road network.	6	1.000.000€	(per project)		76,3
20	Construction of Regional roads with an amount up to 10MEUR for each project	Proposed project is on the remaining regional road network in Republic of Macedonia which has not been rehabilitated Responsible institution for roads sector is Public Enterprise for State Roads (PESR) in coordination with the Ministry of Transport and Communications, Makedonija Pat as responsible public enterprise for maintenance of the road network.	18	10.000.000€	35 MEUR		69,7
21	Construction of railway section along the corridor X Dracevo – Veles	Corridor X railway infrastructure is stretched 215 km across the territory of the Republic of Macedonia and runs North – South direction. It starts from the north border crossing Tabanovce and ends with the south border crossing near Gevgelija. The branch XD of Corridor X starts in Veles and ends at the border crossing - Kremenica, near Bitol	48	550.000.000€			55,6
22	Reconstruction of road section from Kriva Palanka to Deve Bair	Reconstrution					53,2
23	Construction of road section Trebeniste - Struga	Proposed project is road section of the Pan European Road Corridor VIII, placed in the south-west region of the country.	18	45.000.000€			50,5
24	Construction of road section Struga - Kjafasan	Construction road section Struga - Kjafasan with length of 13.05km Proposed project is road section of the Pan European Road Corridor VIII, placed in the south-west region of the country.		80.000.000€			45

Transport sector

NO	T MATURE PROJECTS					
	Preparation of Project documentation for GSMR-ECTS on Corridor X	Project documentation				
	Preparation of Project documentation (FS with PD) for the rail section Veles- Bitola, Branch 10-d of Corridor 10	Project documentation				
	Preparation of Project documentation (FS with PD) for the rail section Skopje-Kicevo, Corridor 8	Project documentation				
	Project documentation for signaling and telecommunications systems on the rail network	Project documentation				
	Preparation of Project documentation (FS with PD) for the rail section Nogaevci-Negotino, Corridor 10	Project documentation				
	Preparation of project documentation for the railway section of corridor X Demir Kapija - Miravci	Project documentation				
	Preparation of project documentation for multi modal node	Project documentation				