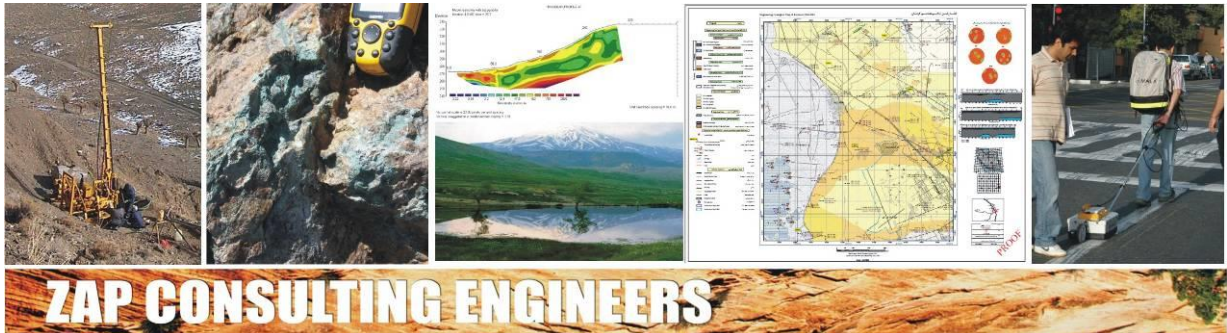




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Selected projects list

Updated on 2019/Mar./18

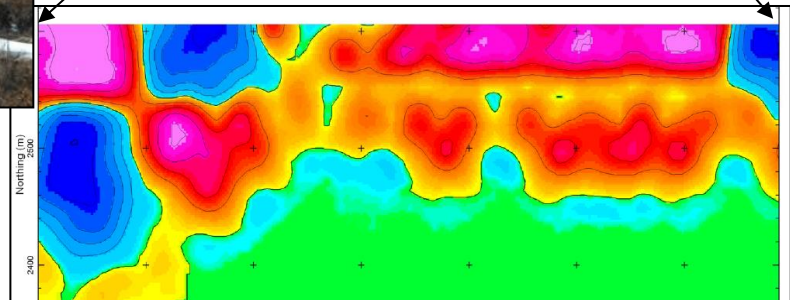
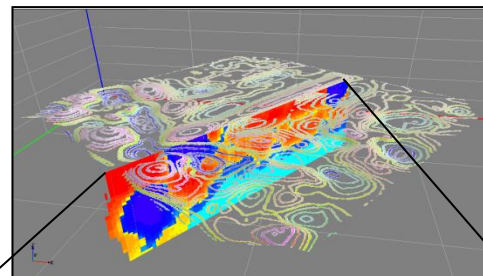
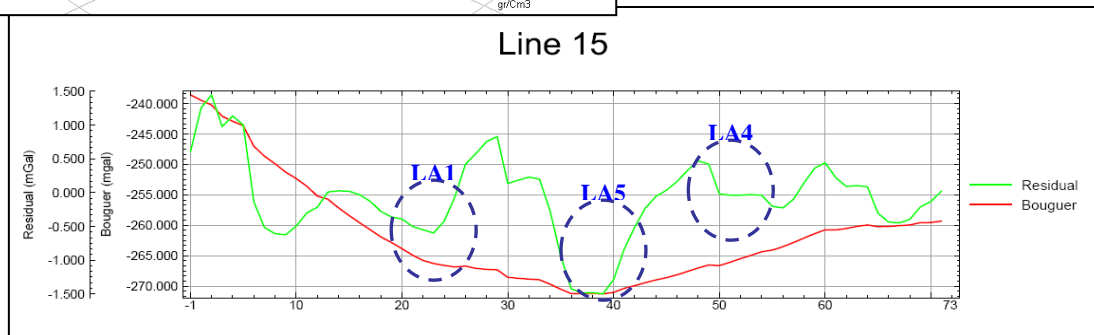
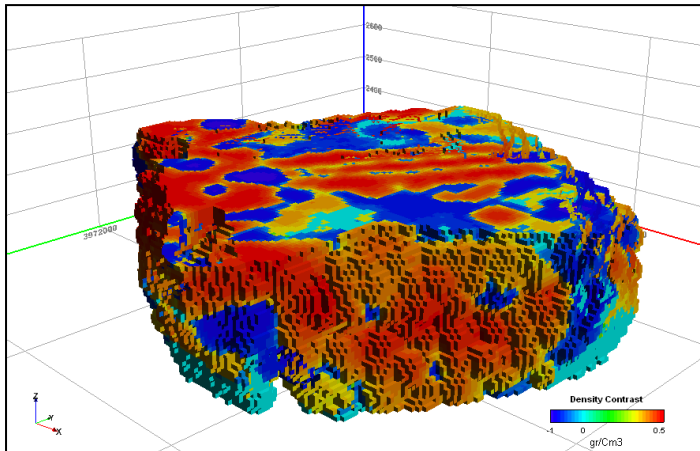


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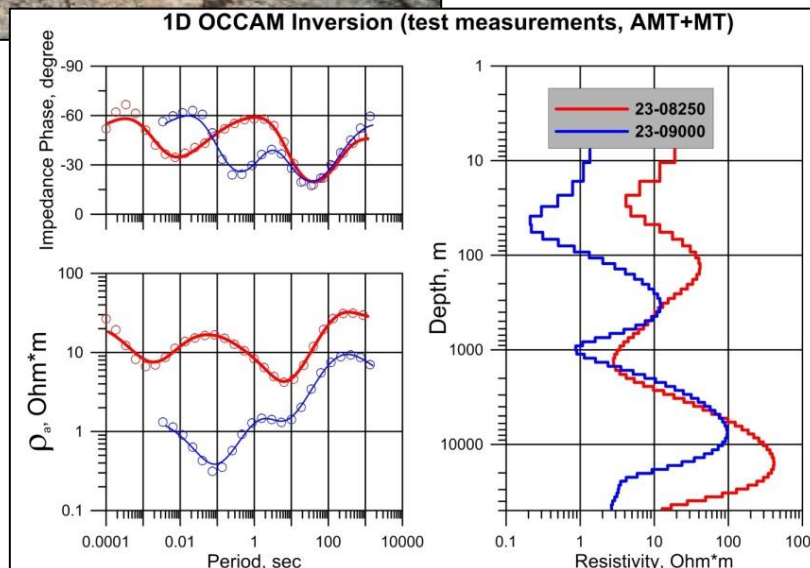
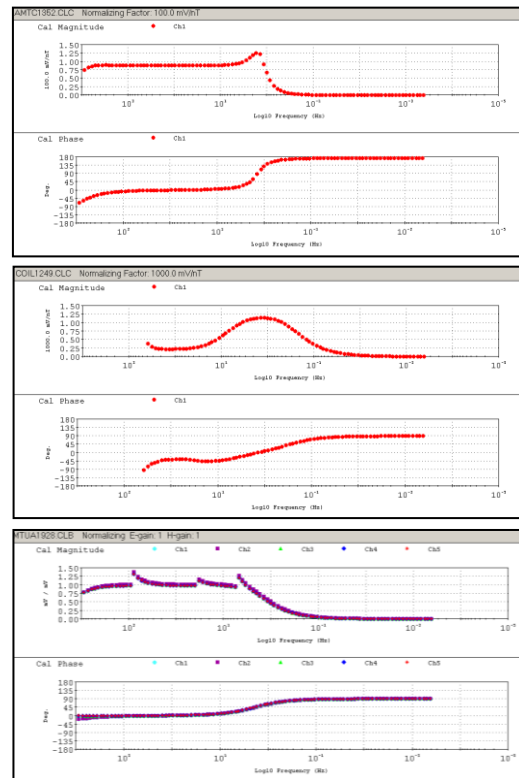
Geophysical Investigations Gravimetric Method



- Gravity and magnetotelluric survey, Nasrabad e Kashan salt structure studies, Abshirin, Iran (2013).
- Lar dam rehabilitation studies, Tehran, Iran (2008).
- Tehran metro, line 1 geophysical studies, Tehran, Iran (2006-2007).

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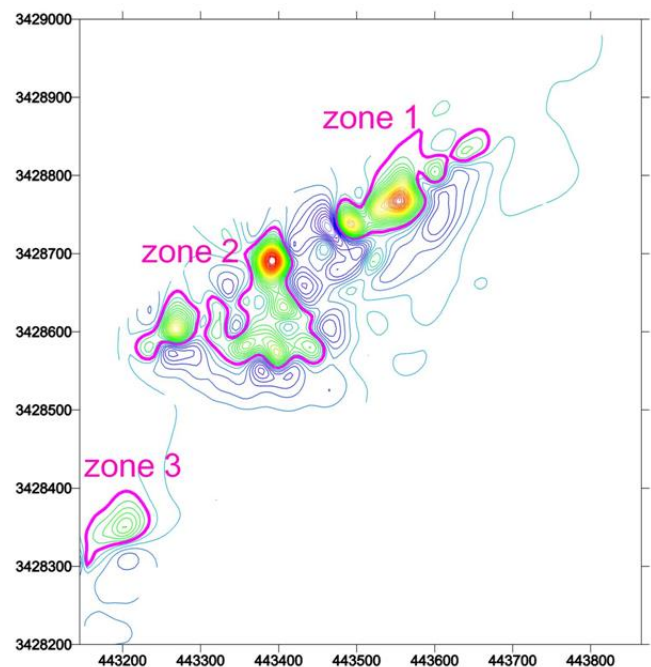
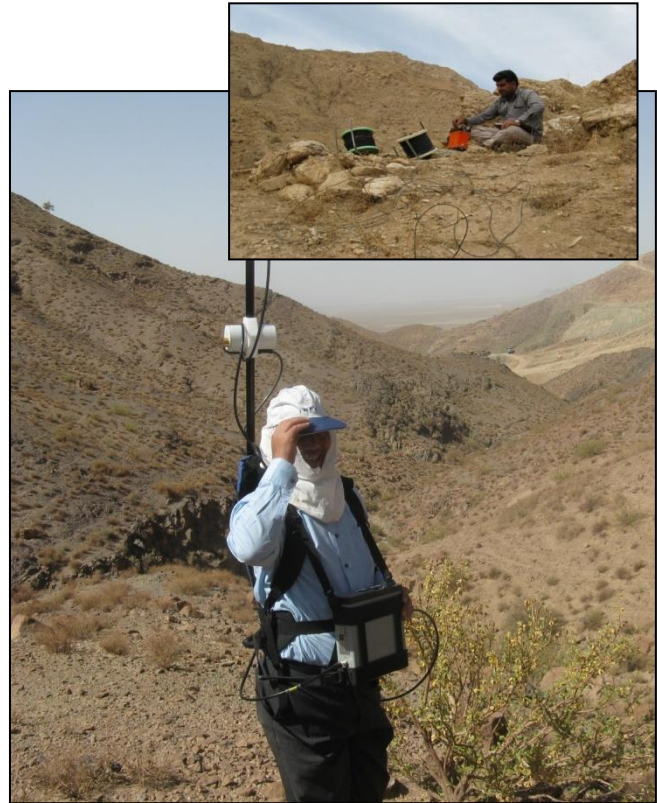
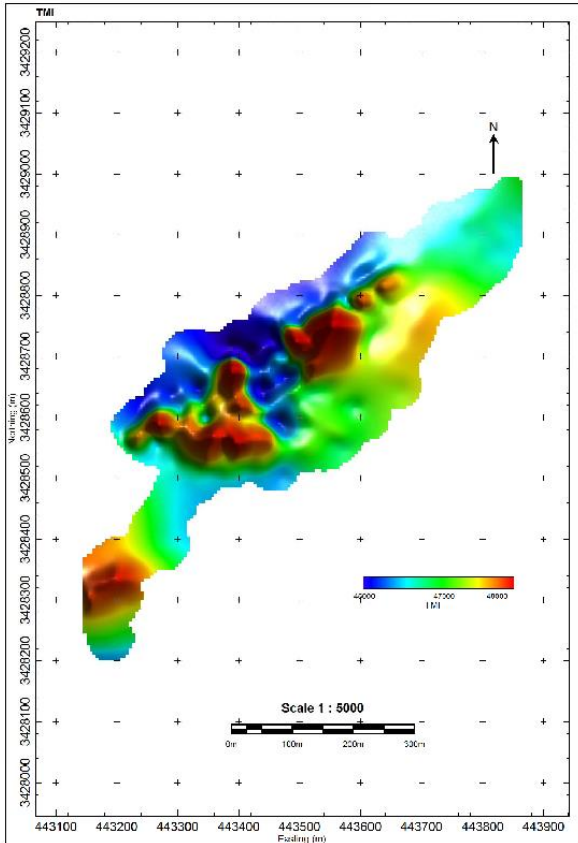
Geophysical Investigations MT Method



- Magnetotelluric geophysical investigations (MT/AMT), South Khorasan, Iran (2017).
- Magnetotelluric geophysical investigations (MT/AMT), Sistan, Iran (2016).
- Development of deep water movement track technology, Sistan, Iran (2016).
- Development of deep water movement track technology, Yazd, Iran (2016).
- Geoelectric and magnetotelluric survey, Bazideraz tunnel project, Kermanshah, Iran (2016).
- Gravity and magnetotelluric survey, Nasrabad e Kashan salt structure studies, Abshirin, Iran (2013).

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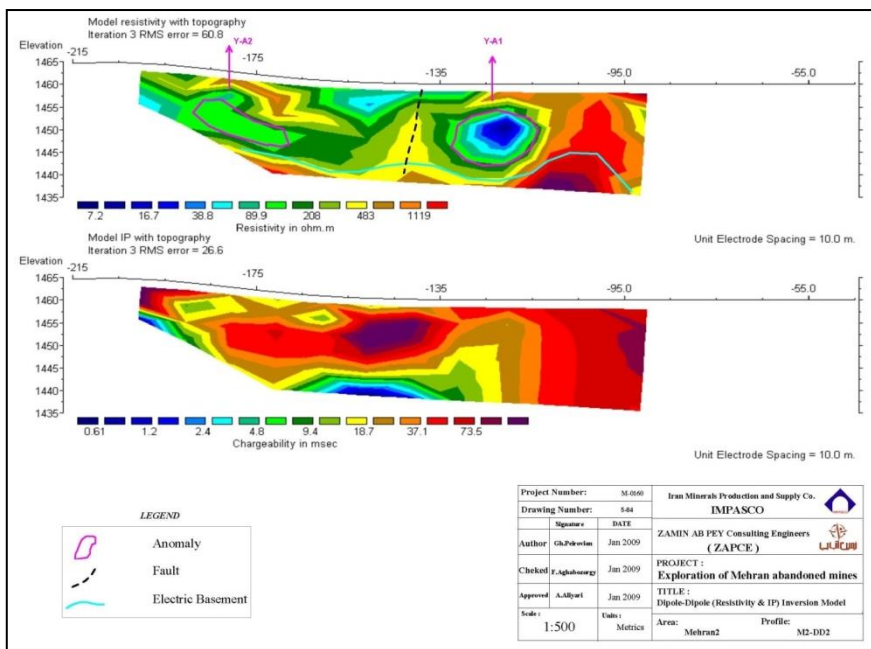
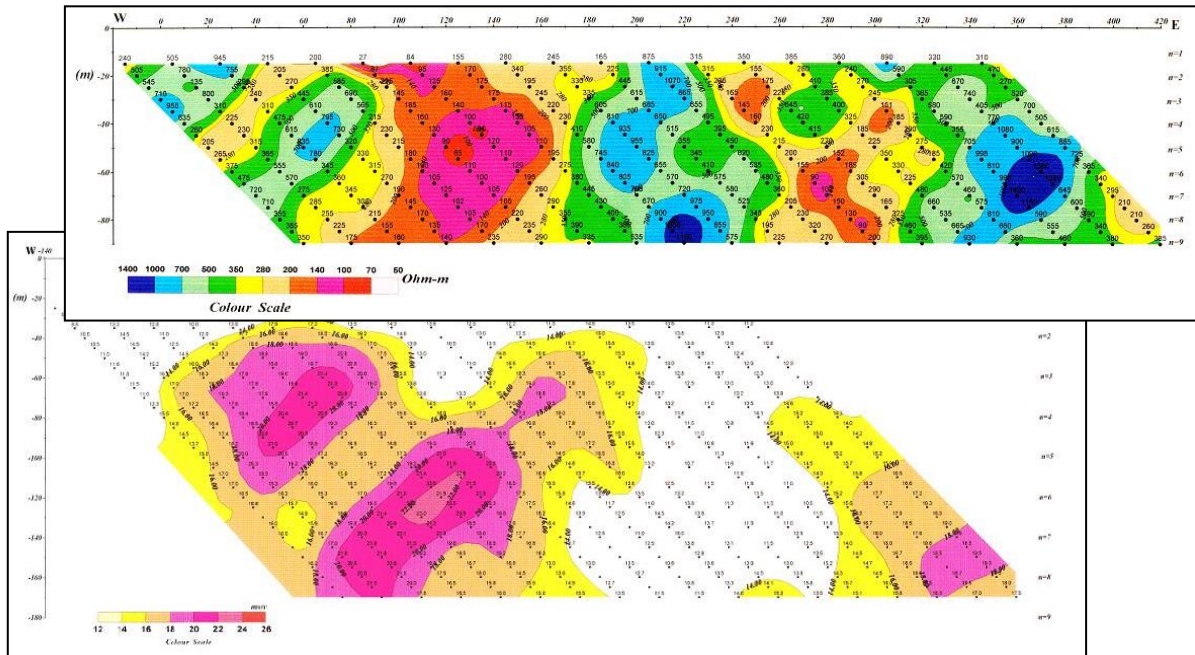
Geophysical Investigations Magnetometric Method



- IP & magnetometric geophysical investigations for mines in Kerman region, Kerman, Iran (2013).
- Mahzamin mine exploration, Zarand, Iran (2011).
- Chah Behshir mine exploration, Sirjan, Iran (2010).
- Hajiabad, Sirjan and Darab mines exploration, Fars, Iran (2009).
- Chah Barih mine exploration, Golgohar, Kerman, Iran (2008).

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Geophysical Investigations IP-RS Method



- IP investigation in Jalalabad (Kerman) & Kahdelan (Azarbayjan) mines, Iran (2015).
- IP & magnetometric geophysical investigations for mines in Kerman region, Kerman, Iran (2013).
- Prospecting and exploration of metallic elements in SW of Takestan, Qazvin, Iran (2011).
- Exploration in abandoned metallic mines, Semnan, Iran (2007).

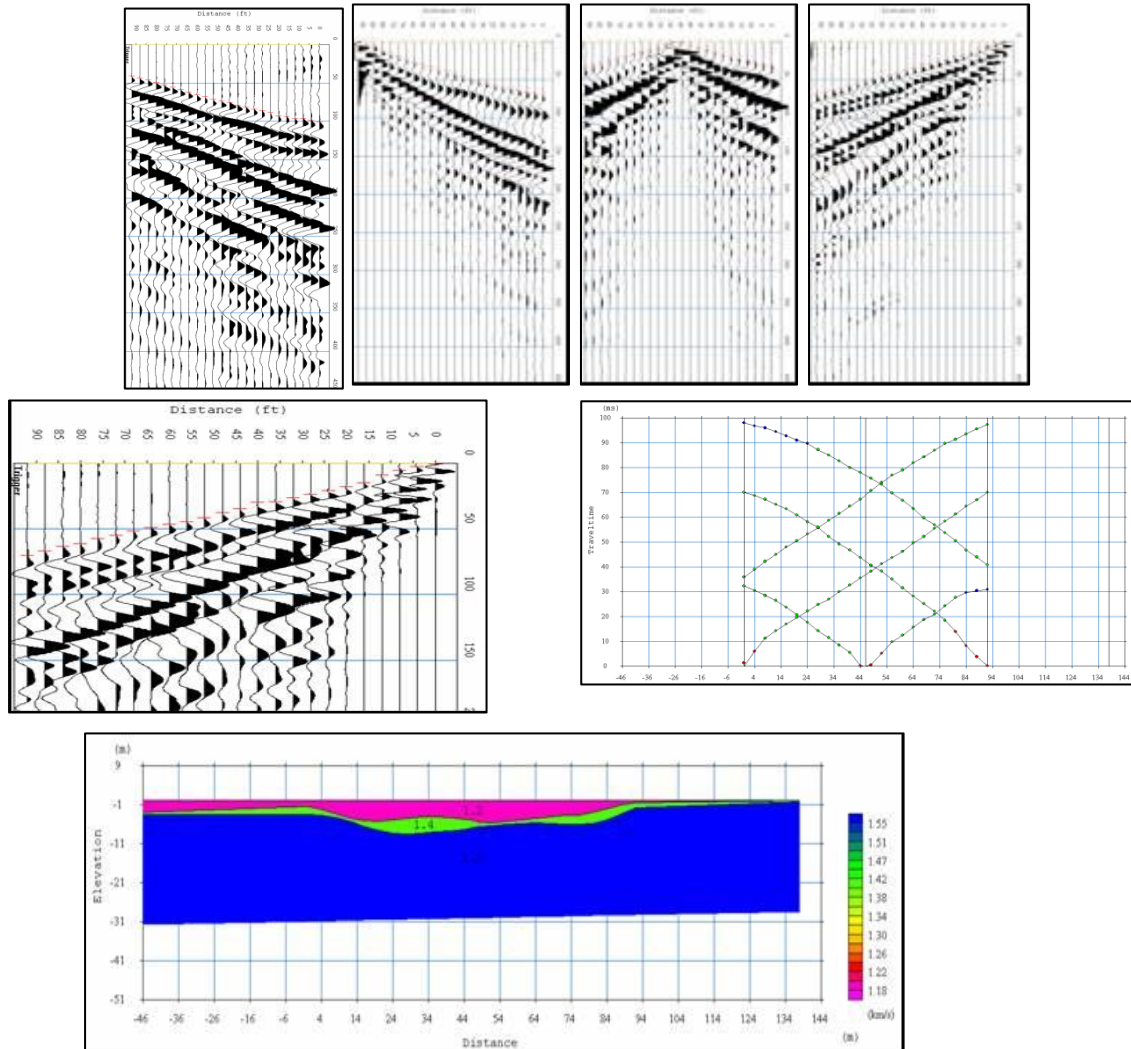
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Geophysical Investigations Goelectric Method



- Landslide studies using Goelectric method, Seymareh, Iran (2017).
- Goelectric and magnetotelluric survey, Bazideraz tunnel project, Kermanshah, Iran (2016).
- Ground water potential evaluation in Borujen well location, Charmahal & Bakhtiari, Iran (2014).
- Investigation of water well location in Margh village (Kashan), Iran (2014).
- Investigation of water well location for Fazelabad city, Golestan, Iran (2013).
- Underground water potential evaluation in Noush Abad's well location, Kashan, Iran (2013).
- Investigation for water resources in Alibolaghi area, Ardabil, Iran (2013).
- Ground water exploration near Damavand city, Iran (2012).
- Ground water exploration for 4 industrial city, North Khorasan, Iran (2012).
- Lejamgir dam site studies, Zanjan, Iran (2012).
- Investigation for water resources in Afshar, Payam and Qare-Aghaj areas, east Azerbaijan, Iran (2012).
- Electrical resistivity measurement in 28 stations of the line 3 of Tehran metro, Iran (2011).
- Investigation for water resources in the hard formations of the North of Tehran province, Iran (2011).
- Investigation for water resources in Divandareh, Bijar and Baneh areas, Kordestan, Iran (2011).
- Investigation for water resources in Khalkhal area, Ardebil, Iran (2011).
- Investigation for water resources in Givi area, Ardebil, Iran (2010).
- Landslide investigation in Tang-e Bijar, Ilam, Iran (2009).
- Investigation for Mohammadabad dam site, Golestan, Iran (2008).
- Lar dam rehabilitation studies, Tehran, Iran (2008).
- Investigation along Sirjan-Hormozgan railroad, Iran (2008).
- Investigation along Semnan railroad, near Semnan station, Iran (2008).
- Investigation in Tehran SW plain for subsidence studies, Iran (2008)
- Lasak dam site studies, Gilan, Iran (2007).
- Investigation to detect Valiabad qanat, Varamin, Iran (2007).
- Tehran metro, line 1 geophysical studies, Tehran, Iran (2006-2007).
- Investigation for Siahposh, Manjil, Harzevil and Paskoolan wind farms, Gilan, Iran (2006).
- Landslide investigation in Shahriar dam road, Mianeh, Iran (2006).
- Investigation for water resources in Razi plane, Ardabil, Iran (2006).
- Investigation for water resources in Chardoli plane, Kordestan, Iran (2006).
- Investigation for water resources in Mahin plane, Qazvin, Iran (2006).
- Mashkan dam site studies, Kashan, Iran (2006).
- Investigation in Khezri & Dasht-e Bayaz, Khorasan, Iran (2005).
- Investigation along Qazvin-Rasht-Anzaly railroad, Iran (2005).
- Investigation for water resources in Hamedan cement factory, Hamedan, Iran (2005).
- Investigation for water resources in Tarq village, Natanz, Iran (2005).
- Barzok dam site studies, Qom, Iran (2005).

Geophysical Investigations Seismic Methods Study of body waves Refraction seismic technique



- Investigation in Dareh Aloo copper mine tailing dam, Kerman, Iran (2013).
- Investigation in Nochoun-Darehzar tailings dam, Sirjan, Iran (2012).
- Investigation in Sarcheshmeh tailings dam, Sirjan, Iran (2012).
- Ajisoo dam site refraction studies, Golestan, Iran (2011).
- Investigation in Kermanshah, Qazvin, Hamedan and Zanjan cities for seismic microzonation, Iran (2008).
- Lar dam rehabilitation studies, Tehran, Iran (2008).
- Investigation in Tehran SW plain for subsidence studies, Iran (2008).
- Mohammadabad dam site studies, Golestan, Iran (2008).
- Lasak dam site studies, Gilan, Iran (2007).
- Tehran metro, line 1 geophysical studies, Tehran, Iran (2006-2007).
- Investigation for Siahposh, Manjil, Harzevil and Paskoolan wind farms, Gilan, Iran (2006).
- Various minor projects in Tehran and other cities for different structures and sites.

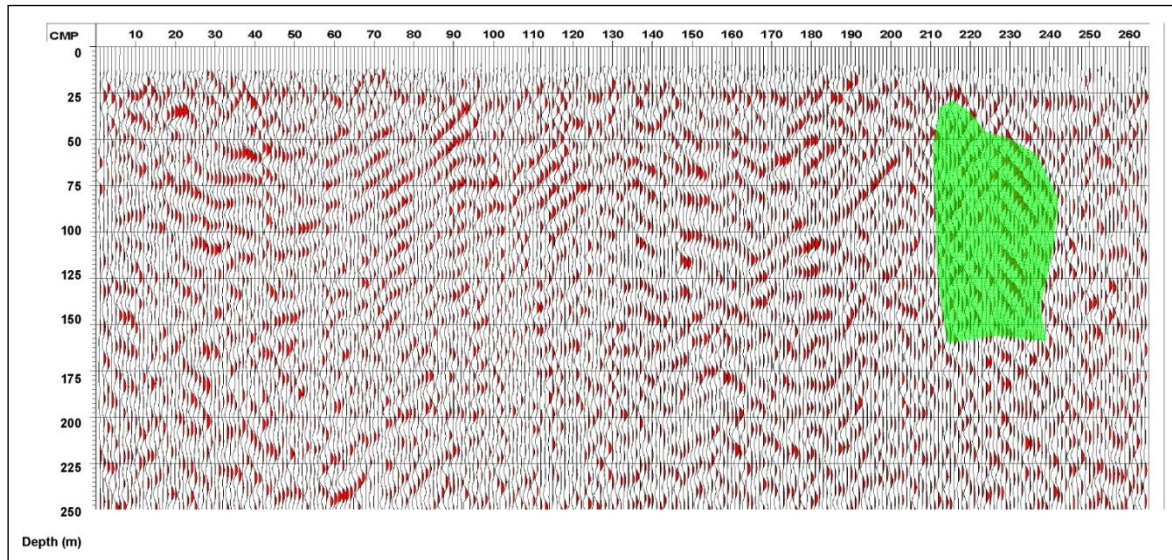
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Geophysical Investigations

Seismic Methods

Study of body waves

Reflection seismic technique



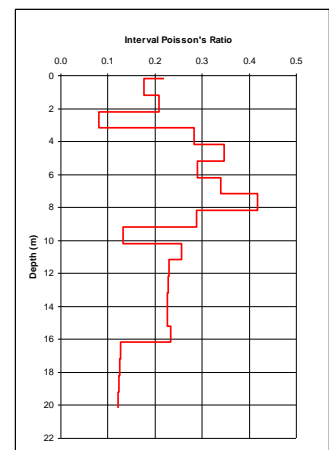
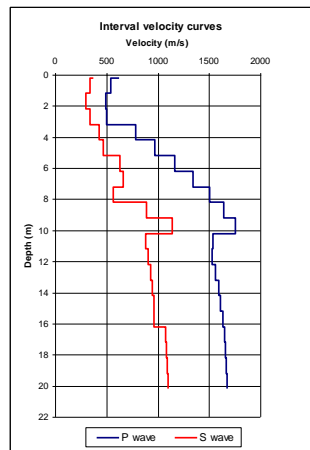
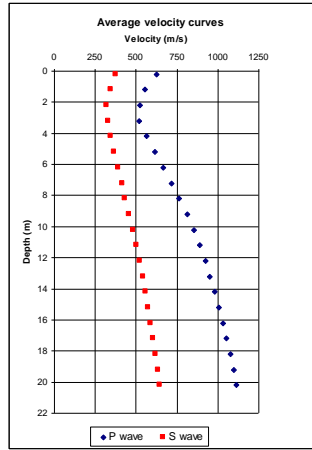
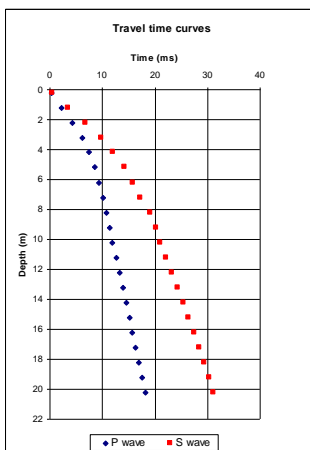
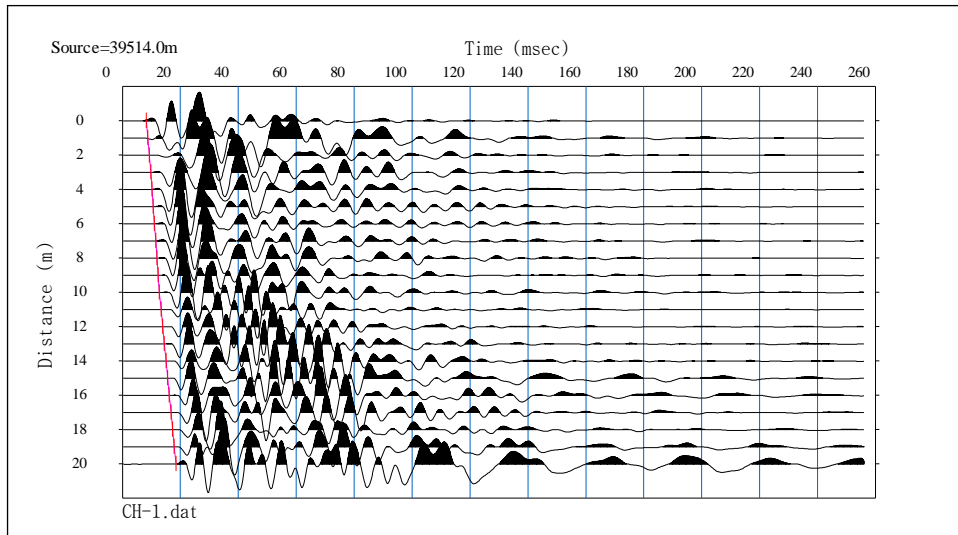
- Lar dam rehabilitation studies, Tehran, Iran (2008).

Geophysical Investigations

Seismic Methods

Study of body waves

Borehole seismic technique



- Investigation in Khoy city for seismic microzonation, Khoy, Iran (2011).
- Investigation in Salmas city for seismic microzonation, Salmas, Iran (2011).
- Investigation in Mahabad city for seismic microzonation, Mahabad, Iran (2011).
- Investigation in Kashan and Naeen cities for seismic microzonation, Iran (2010).
- Investigation in Tabriz city for seismic microzonation, Tabriz, Iran (2009).
- Investigation in Tehran SW plain for subsidence studies, Tehran, Iran (2008).
- Investigation in Hamedan cement factory, Hamedan, Iran (2006).
- Various minor projects in Tehran and other cities for different structures and sites.



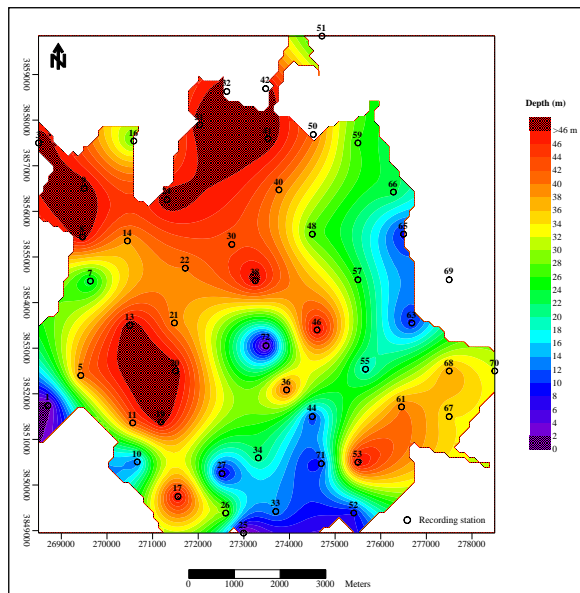
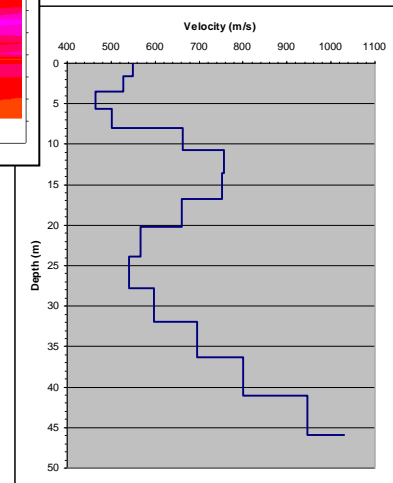
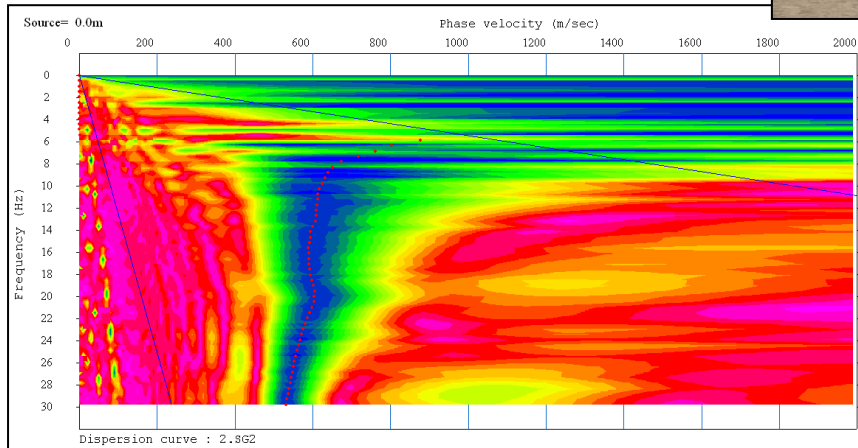
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Geophysical Investigations

Seismic Methods

Study of surface waves

Spectral analysis of surface waves (SASW) technique



- Investigation in Dareh Aloo copper mine tailing dam, Kerman, Iran (2013).
- Investigation in Nochon-Darehzar tailings dam, Sirjan, Iran (2012).
- Investigation in Sarcheshmeh tailings dam, Sirjan, Iran (2012).
- Investigation in Kermanshah, Qazvin, Hamedan and Zanjan cities for seismic microzonation, Iran (2008).
- Lar dam rehabilitation studies, Tehran, Iran (2008).
- Investigation in Tehran SW plain for subsidence studies, Tehran, Iran (2008).
- Mohammadabad dam site studies, Golestan, Iran (2008).
- Lasak dam site studies, Gilan, Iran (2007).

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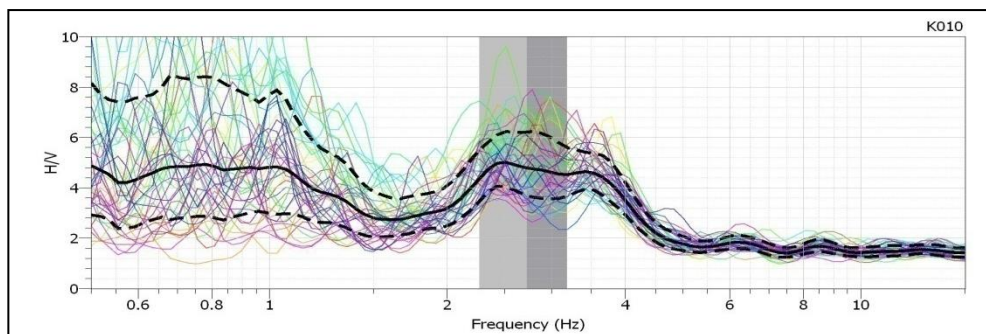
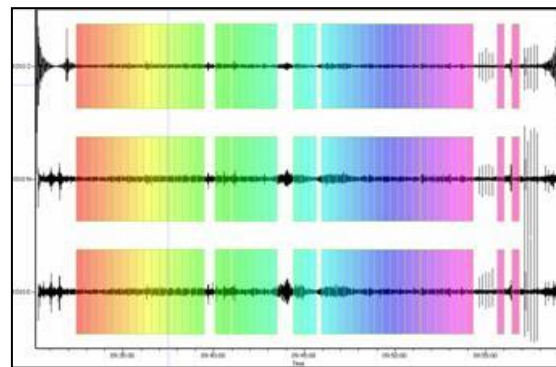
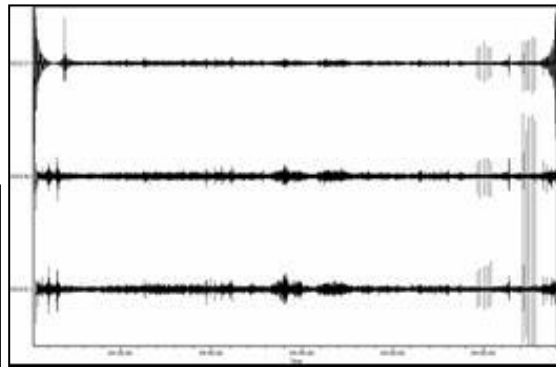
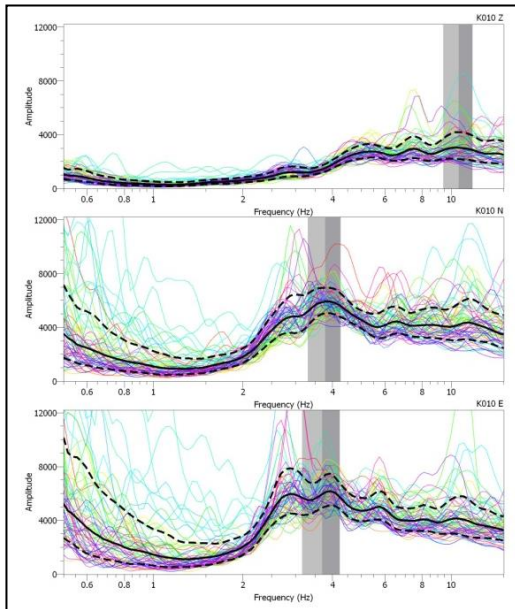
- Various minor projects in Tehran and other cities for different structures and sites.

Geophysical Investigations

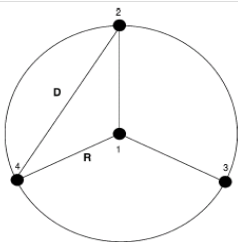
Seismic Methods

Passive Seismic

H/V spectral ratio technique



- Investigation in Khoy city for seismic microzonation, Khoy, Iran (2011).
- Investigation in Salmas city for seismic microzonation, Salmas, Iran (2011).
- Investigation in Mahabad city for seismic microzonation, Mahabad, Iran (2011).
- Investigation in Kashan and Naen cities for seismic microzonation, Iran (2010).
- Investigation in Tabriz city for seismic microzonation, Tabriz, Iran (2009).
- Investigation in Tehran SW plain for subsidence studies, Tehran, Iran (2008).
- Investigation in Kermanshah, Qazvin, Hamedan and Zanjan cities for seismic microzonation, Iran (2008).
- Similar studies for various sites or structures.



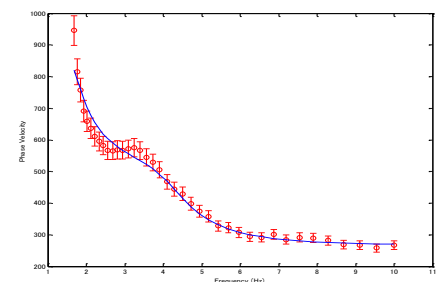
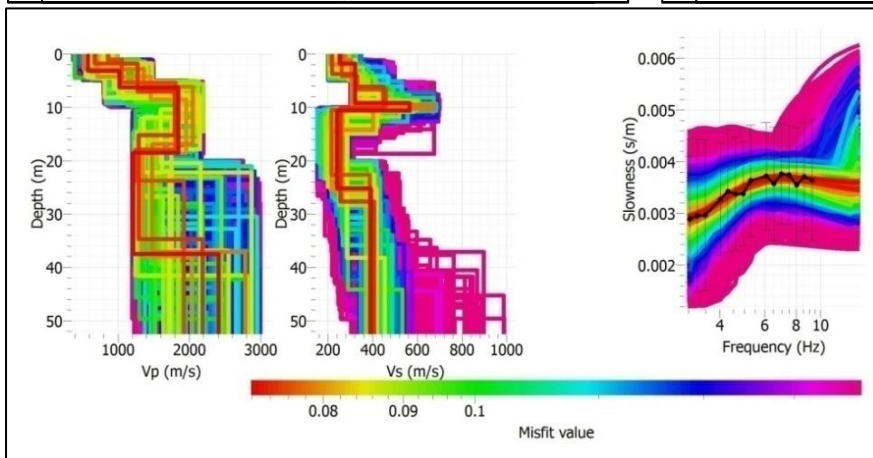
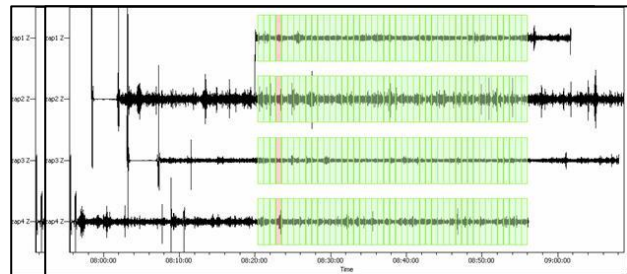
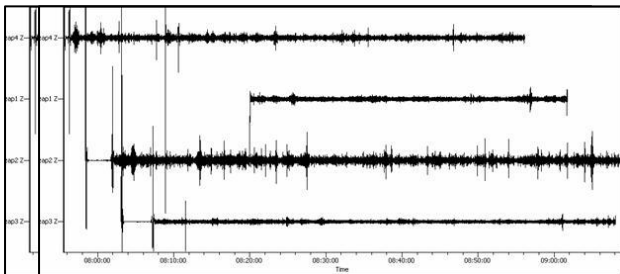
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Geophysical Investigations

Seismic Methods

Passive Seismic

Microtremor array technique

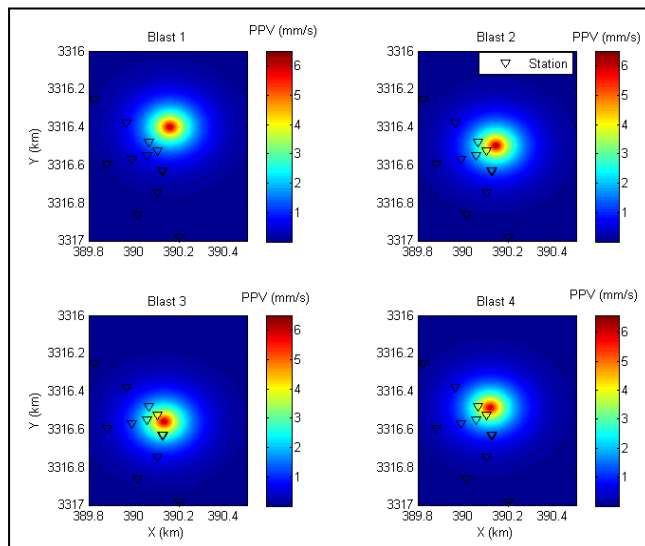
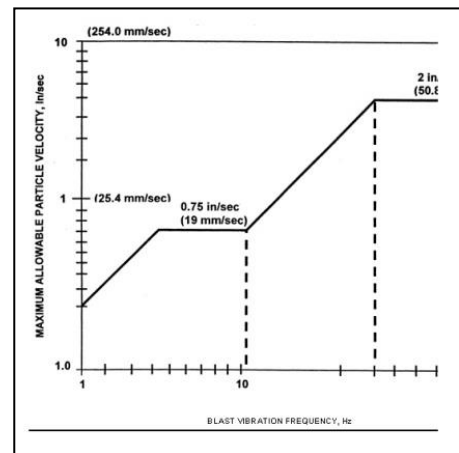
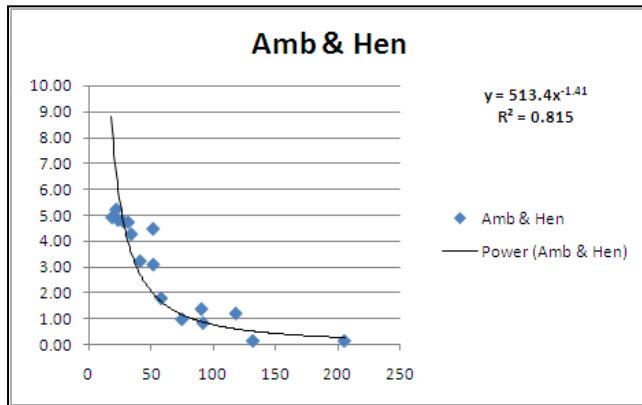
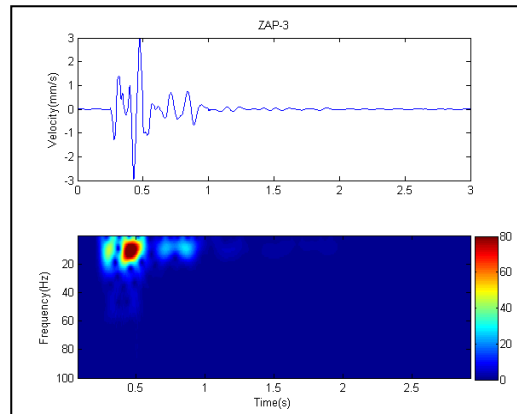
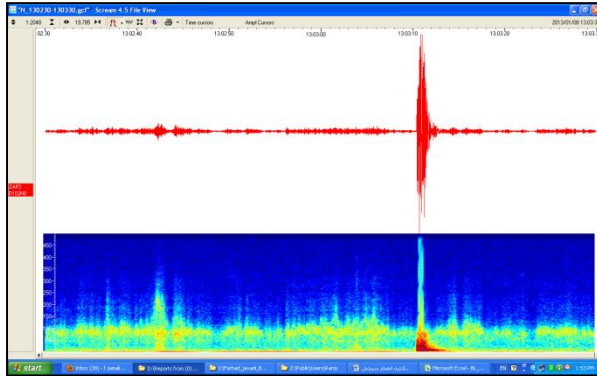


- Investigation in Khoy city for seismic microzonation, Khoy, Iran (2011).
- Investigation in Salmas city for seismic microzonation, Salmas, Iran (2011).
- Investigation in Mahabad city for seismic microzonation, Mahabad, Iran (2011).
- Investigation in Kashan and Naen cities for seismic microzonation, Iran (2010).
- Investigation in Tabriz city for seismic microzonation, Tabriz, Iran (2009).
- Investigation in Tehran SW plain for subsidence studies, Tehran, Iran (2008).
- Investigation in Kermanshah, Qazvin, Hamedan and Zanjan cities for seismic microzonation, Iran (2008).
- Similar studies for various sites

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Geophysical Investigations Seismic Methods

Blast vibrations control Determination of peak particle velocity



- Blast vibration control studies for Sarcheshmeh copper complex, Sirjan, Iran (2013).

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Geophysical Investigations Ground Penetrating Radar (GPR) Method



Ground penetrating radar system (LOZA, Russia)

Ground penetrating radar system (MALA, Sweden)

Mine exploration

- Identification of Calamine mineralization zones, Damghan, Iran (2017).
- Identification of Calamine mineralization zones, Mahdi Abad, Iran (2017).
- Deh sheikh & Shikhali chromite mine exploration, Hormozgan, Iran (2013).
- Neyriz chromite mine exploration, Fars, Iran (2012).
- Akhtarchi gold mine exploration, Khomein, Iran (2012).
- Investigation in Golgohar iron mine, Sirjan, Iran (2011).



Grounwater exploration

- Locating mining tunnels and mineralization zones in Dona mine using Georadar Mmethod, Damavand, Iran (2018).
- Evaluation studies for suggesting a point for drilling water well using Georadar and IP-RS methods, Vavan, Iran (2018).
- Underground investigation using GPR method for identification of cracks and cavities, Sarabeleh, Iran (2017).
- Investigation of side wall geometry of Shiz lake using Georadar method, Takab, Iran (2017).
- Investigation of south area of Dona Mine Waste Dam, Dona, Iran (2017).
- Identification for groundwater potential, Gosht, Iran (2017).
- Investigation for ground water in Verdij area (south of central Alborz), Teharn, Iran (2015)
- Ground water potential evaluation in Borujen well location, Charmahal & Bakhtiari, Iran (2014).
- Investigation of water well location for Margh village (Kashan), Iran (2014).
- Investigation of water well location for Fazelabad city, Golestan, Iran (2013).
- Ground water exploration in Jalin city, Golestan province, Iran (2013).
- Ground water exploration around Azadshahr city, Golestan province, Iran (2013).

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- Ground water exploration for 2 sites in Aqboraz complex, Ahar city, Iran (2013).
- Ground water exploration near Damavand city, Iran (2012).
- Ground water exploration for 4 industrial cities, North Khorasan, Iran (2012).
- Ground water exploration in Semnan region, semnan, Iran (2012).
- Ground water exploration in Gorgan and Aliabad, Golestan, Iran (2012).
- Ground water exploration in Ivan, Chovar and Abdanan, Ilam, Iran (2012).
- Ground water exploration in Abdanan, Chenarbashi, and Rizevand, Ilam, Iran (2012).
- Investigation for ground water on Aliabad and Dareh Zereshk mines, Taft, Iran (2011).

Civil & engineering geology

- Shamil dam investigation to evaluate the dam condition and water leakage, Hormozgan, Iran (2016).
- Subsurface infrastructure identification, Javaneh bridge area, Shahid Kazemi Highway, Tehran (2013).
- Subsurface infrastructure identification between Aref St. and Khorasan Sq., Tehran (2013).
- Investigation along Tehran metro line 4 in Azadi street, Ostad Moein station, Tehran, Iran (2013).
- Investigation in the area of D6 station of Tehran metro, Tehran, Iran (2013).
- Investigation in the area of E6 station of Tehran metro, Tehran, Iran (2013).
- Takam landslide investigation, Sari, Iran (2012).
- Onar dam investigation to evaluate the leakage of water, Ardabil, Iran (2012).
- Esjil dam investigation for leakage evaluation, Khorasan, Iran (2012).
- Khansar dam investigation to evaluate the dam condition and water leakage, Khansar, Iran (2012).
- Karoon 4 dam investigation for dam body fracture identification and evaluation of grout curtain, Iran (2012).
- Investigation for Songon tailings dam stabilization, Azerbaijan, Iran (2012).
- Lejamgir dam site studies, Zanjan, Iran (2012).
- Landslide investigation in Posht-e Qaleh, Doroud, Iran (2010).
- Investigation in Bilaghan site (Karaj dam) for rock fall, Karaj, Iran (2010).
- Landslide investigation in Qalehchay dam reservoir, east Azerbaijan, Iran (2010).
- Shiraz metro, line 1 geophysical studies, Shiraz, Iran (2009).
- Investigation in 7th tir memorial site for underground anomalies, Tehran, Iran (2009).
- Investigation along Tohid tunnel, Tehran, Iran (2009).
- Investigation in Y1 metro station site, Tajrish square, Tehran, Iran (2009).
- Lar dam rehabilitation studies, Tehran, Iran (2008).
- Tabriz metro, line 1 geophysical studies, Tabriz, Iran (2008).
- Investigation along Azadi square-Karaj road, Tehran metro line 4, Tehran, Iran (2008).
- Investigation in helicopter's pad of Tehran disaster mitigation & management organization, Tehran, Iran (2008).
- Investigation along Tehran-Tabriz railroad, Tehran, Iran (2007).
- Investigation along Piroozi Ave., Tehran metro line 4, Tehran, Iran (2007).
- Investigation in Chahardange cultural center for underground anomalies, Tehran, Iran (2007).
- Investigation to detect Valiabad qanat, Varamin, Iran (2007).
- Investigation for qanat detection in Isar Ave., Tehran, Iran (2007).
- Tehran metro, line 1 geophysical studies, Tehran, Iran (2006-2007).

Life line & utility investigation

- Investigation to determine main concrete water pipe along Khavaran road, Tehran, Iran (2012).
- Investigation for life line along the Shahid Gornam highway, Tehran, Iran (2012).
- Investigation to determine the route of Eslamshahr main water pipe, Tehran, Iran (2012).
- Investigation for life lines along the 1400 meters designed sewer line in Gorgan city, Iran (2012).

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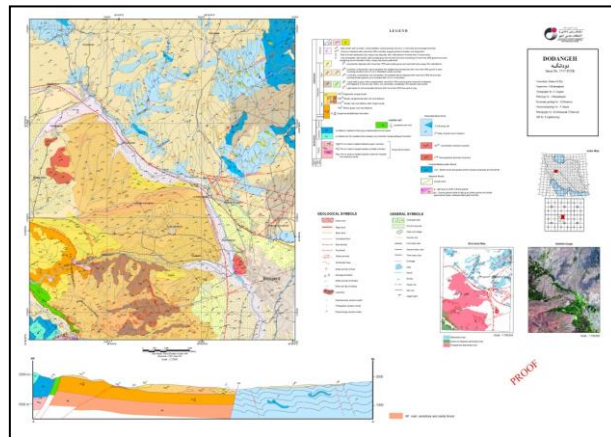
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- Investigation for life line along the Abozar tunnel project, Tehran, Iran (2012).
- Investigation for life line at the Valiasr crossroad, Tehran, Iran (2012).
- Investigation for life lines along the 200 km designed sewer line in kashan city, Iran (2011-2013).
- Investigation along Shahid Beheshti Ave., Tehran metro line 7, Tehran, Iran (2007).
- Different minor projects for various clients.

Archeology

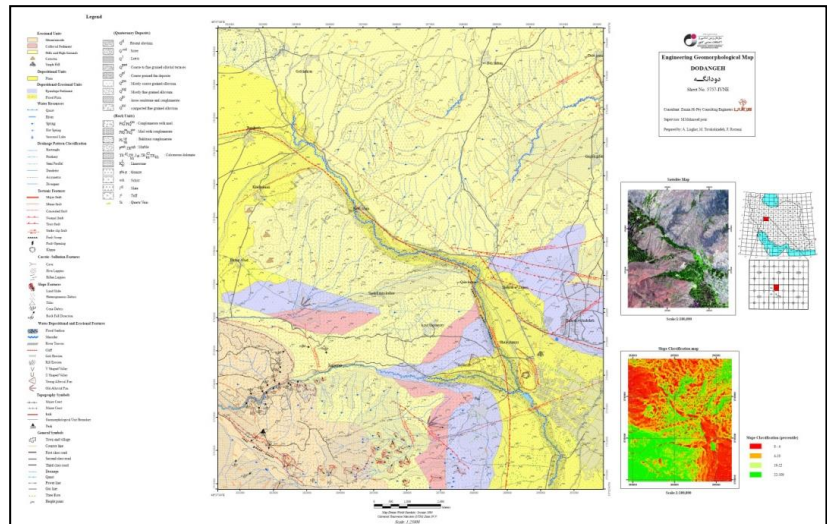
- Investigation in Taq-e-Bostan historical area, Kermanshah, Iran (2011).

Geology Geological Mapping



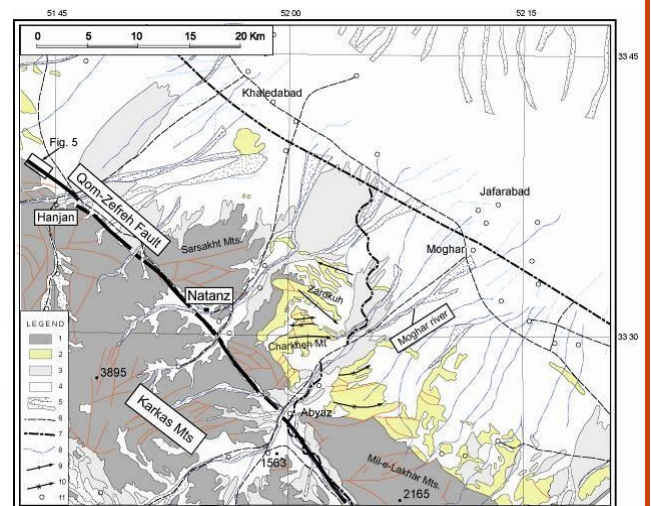
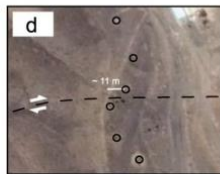
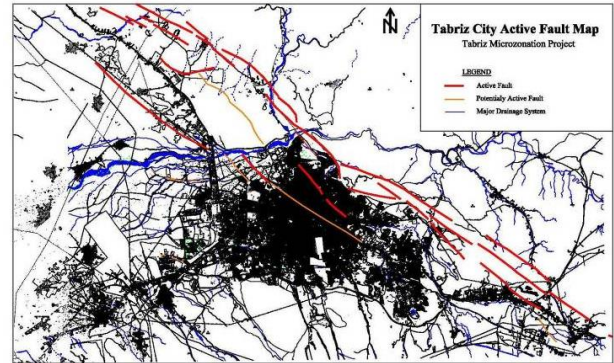
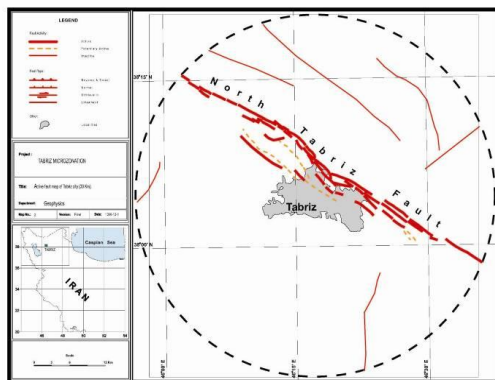
- Geological Evaluation based on Surface Geology Studies and Seismicity Studies In the area of Nasrabad-e Kashan Salt Structure, Kashan, Iran (2015).
- Geological maps (1:25000): Borujerd, Iran (2008); Dodange, Iran (2008).
- Geological map along the Nir-Sarab road (2005).

Applied Geology Applied Geological Mapping Hydrogeology



- Well design and drilling plan for an exploratory well, Sistan & Baluchestan, Iran (2016).
- The study of the springs and the direction and their causes in the Songun site, West Azerbaijan province, Iran (2016).
- Hydrogeology and geophysics study of groundwater in Rizab village (Neyriz area), Fars province, Iran (2015).
- Hydrogeology and geophysics study of groundwater in Nasirabad village (Neyriz area), Fars province, Iran (2015).
- Hydrogeology and geophysics study of groundwater to locate water well, Charmahal & Bakhtiari province, Iran (2014).
- Hydrogeology and geophysics study of groundwater in Romashgan & Konani area, Lorestan, Iran (2014).
- Hydrogeology and geophysics study of groundwater around Borujen city, Iran (2014).
- Study of indiscriminate use of groundwater and reduce of its hazard in Iran (2014).
- Complementary Studies of Water Supply Project For Developing of NasrAbad-e-Kashan Salt Dome Structure in Order to Natural Gas Storage, Iran (2014).
- Digitizing the mine and mineral maps for Lamerd & Mehr cities, Fars province, Iran (2013).
- Water resource investigation for the development of Nasrabad gas storage project, Kashan, Iran (2010).
- Engineering geomorphological maps (1:25000): Borujerd, Iran (2008); Dodange, Iran (2008).
- Geohazard and geoenvironmental maps (1:25000): Borujerd, Iran (2008); Dodange, Iran (2008).
- Engineering geology maps (1:25000): Kerman, Iran (2006); Borujerd, Iran (2008); Dodange, Iran (2008).
- Investigation for water resources potential in kashan region (2006).
- Geohazard maps (1:25000): Kerman, Iran (2006).
- Hidrogeological & geoenvironmental maps (1:25000): Kerman, Iran (2006).

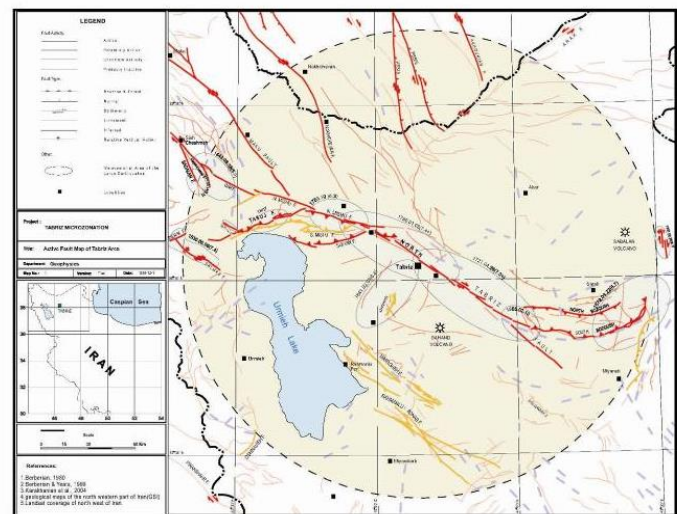
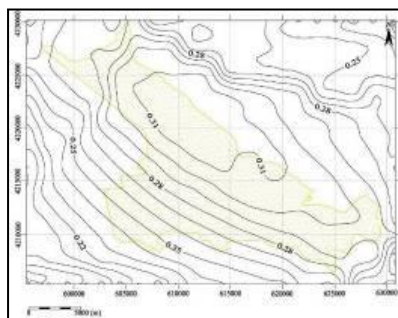
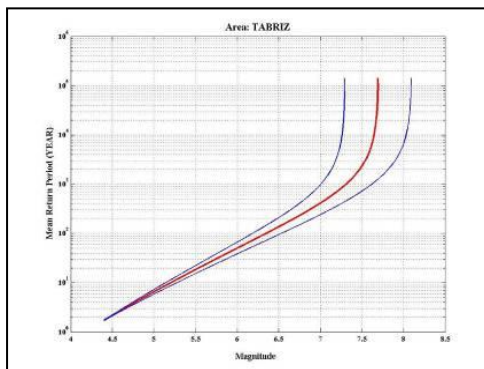
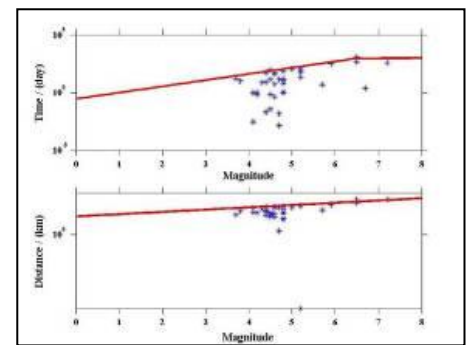
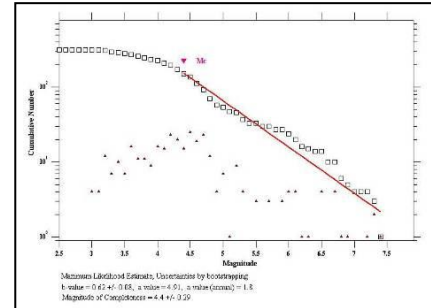
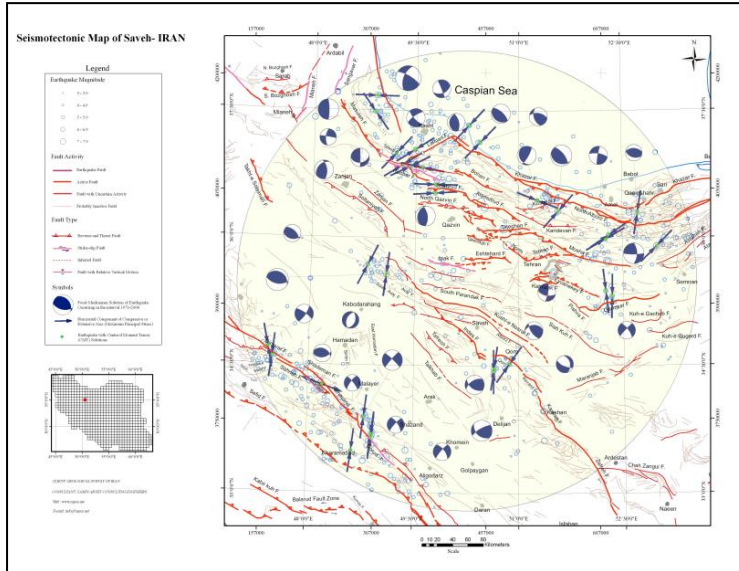
Active Tectonics Active Faults Mapping



- Quadrangle maps (1:250000): Kashan, Iran (2006); Qom, Iran (2007); Saveh, Iran (2008); Borujen, Iran (2009).
- Maps (1:25000): Kerman, Iran (2006); Borujerd, Iran (2008); Dodange, Iran (2008).
- Cities: Tabriz, Iran (2009); Khoy, Iran (2011); Salmas, Iran (2011); Mahabad, Iran (2011).

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Seismotectonics Earthquake Hazard Assessment Seismic Microzonation



- Geological Evaluation based on Surface Geology Studies and Seismicity Studies In the area of Nasrabad-e Kashan Salt Structure, Kashan, Iran (2015).
- Quadrangle maps (1:250000): Kashan, Iran (2006); Qom, Iran (2007); Saveh, Iran (2008); Borujen, Iran (2009).
- Maps (1:25000): Kerman, Iran (2006); Borujerd, Iran (2008); Dodange, Iran (2008).
- Cities: Tabriz, Iran (2009); Khoy, Iran (2011); Salmas, Iran (2011); Mahabad, Iran (2011).
- Sites: dams, power plants, important sites and buildings.

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Geotechnical Investigations



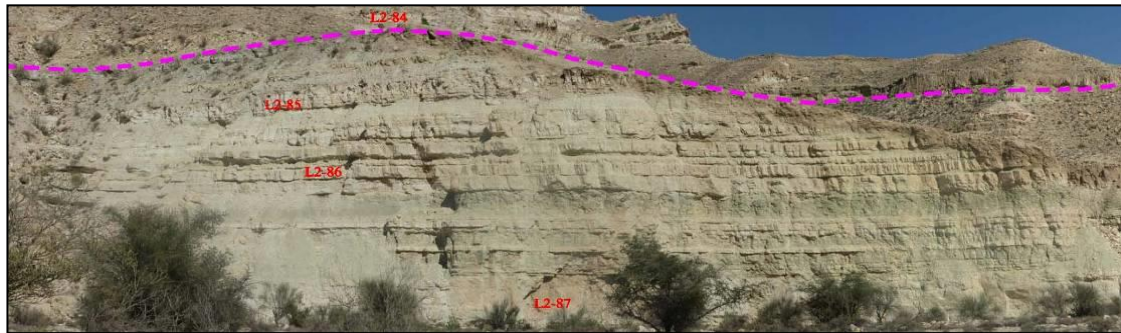
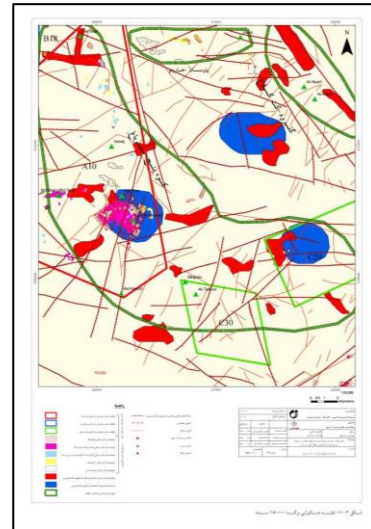
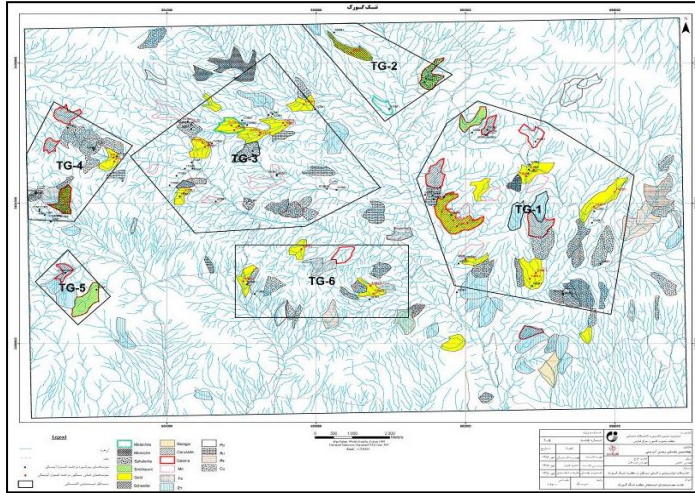
Field investigations and tests



Laboratory tests

- Stabilization studies in Bilaghan site (Karaj dam) for rock fall, Karaj, Iran (2015).
- Engineering and geotechnical studies for landslide & gully erosion south of Pol-e-Dokhtar city, Iran (2015)
- Studies of Landslides and their stabilization operations, Iran (2013).
- Takam landslide investigation, Sari, Iran (2012).
- Cheshmeh Malek dam site geotechnical investigation, Ilam, Iran (2011).
- Haraz dam site geotechnical investigation, Mazandaran, Iran (2011).
- Landslide investigation in Posht-e Qaleh, Doroud, Iran (2010).
- Investigation in Bilaghan site (Karaj dam) for rock fall, Karaj, Iran (2010).
- Kuhrang spring shaft geotechnical investigation, Shahr-e Kord, Iran (2010).
- Sarpari dam site geotechnical investigation, Yasoj, Iran (2009).
- Soil mechanic studies for Mehr Shamim (40 apartments) project, Shahr-e Kord, Iran (2009).
- Geotechnical investigation for Tehran metro station A4-4, Tehran, Iran (2008).
- Tehran metro's electricity stations geotechnical investigation (3 site), Tehran, Iran (2008).
- Soil mechanic studies for Mehrsara (120 apartments) project, Shahr-e Kord, Iran (2008).
- Soil mechanic studies for Setareh Talaei (200 apartments) project, Shahr-e Kord, Iran (2008).
- Various minor projects in Tehran and other cities for different structures.

**Mine Exploration
Geochemical Exploration
Mineral Prospecting
Core drilling and sampling**



- Polymetal mineral resources identification phase studies, Hormozgan, Iran (2018).
- Lime exploration operation for Zarshooran Factory, Shahin Dej, Iran (2017).
- Prospecting and exploration in Zaman-Abad Area, Yazd province, Iran (2016).
- Collecting the information of the revoked exploration areas, Khuzestan province, Iran, (2016)
- Prospecting and exploration of metallic elements in SW of Takestan, Qazvin, Iran (2011).
- Geochemical exploration in Tang-e Gorak area, Fars, Iran (2009).
- Dolomite prospecting and exploration in south Lamerd region, Fars, Iran (2009).
- Exploration in abandoned metallic mines, Semnan, Iran (2007).
- Exploration in Rostagh, Tangoyeh and Samteh 1:5000 maps, North of Sirjan, Iran (2007).
- Geochemical exploration in Salafchekan Region with scale of 1:25000, Iran (2007).
- Prospecting and exploration of Bauxite Laterite and refractories in Gilan province, Iran (2007).

Environmental Studies



- Environmental impact assessment along Kerman-Bam highway, Iran (2008).
- Feasibility studies for construction of Ivan cement plant, Ilam, Iran (2007).
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