



شركة أيسن الهندسية
٢٠٢٣
للدراسات و الاستشارات الهندسية و البيوتقنية

Aces

Curriculum Vitae

AES CORPORATION

CONSULTATIONS, STUDIES AND ENGINEERING LABORATORIES



LAC - 008



Curriculum Vitae

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Mission:

Provide customers with solution to any standing engineering project. The solution is designed to maintain sustainability of the engineering facility to provide the reasonably expected services during its analysis period.

The solution includes consultations and quality control for materials of construction, roadway construction, structural engineering and another civil engineering works.

Development of The Center:

ABAZA Center for Engineering, Consultations, Studies, Geotechnical Eng. And Construction Material Testing Laboratories (ACES) was established in 1997 in Nablus City-Palestine in order to meet the necessity for quality control of the local engineering projects, especially after the substantial increase in development of the structural construction and infrastructure in recent years.

(ACES) was registered officially as a member of the Engineering Association under No. 744 (materials construction and Geotechnical testing) as a specialist in Testing and Quality Control for engineering materials.

(ACES) adopts Italian equipment produced by one of the world's leading manufacturers of testing equipment for civil engineering CONTOLS that is specialized in manufacturing, maintaining, and calibrating of equipment for engineering laboratories.

(ACES) have been certified by the Palestinian Specification Institute and other governmental agencies (see appendix). This certification was awarded after satisfying the requirements of ISO GUIDE 25, and ISO 17025.

(ACES) has the experience and resources to carry on and implement any job related to engineering laboratory services and quality control through its professional consultants, engineers, and technicians.

(ACES) In addition to its main office in Nablus City, has inaugurated a branch in salfeet District-Palestine, to meet the necessity for quality control in this area.

Technical Policy:

ACES is proud to employ specialized engineers and technicians in different areas of construction material testing and other quality control procedures required for engineering projects.

A special training course is designed for new employers, after which they have the ability to perform tests under any construction circumstances.

To guarantee the quality of services, technicians are periodically involved in field training and are subject to regular inspection by the technical manager.

Focusing on the level of service, **ACES** is devoted to provide customers not only with high performance of work implemented but also with a large family of tests.

Laboratory Tests performed by **ACES**:

☒ Fresh and hardened concrete tests:

- ✓ Testing fresh Portland cement concrete for workability and density.
- ✓ Compressive strength of concrete.
- ✓ Obtaining and testing drilled cores to determine the strength of hardened concrete.
- ✓ Concrete test hammer, which is used for non-destructive testing of hardened concrete in order to determine the strength in various parts of the structure.
- ✓ Loading test for slabs and beams.
- ✓ Slump test to determine the workability of fresh concrete.

☒ Construction material tests:

Proper laboratory testing of materials to determine their physical properties is an integral part of the design, construction and quality control of any kind of engineering structure. Performing quality control testing for the material plays an

important role in the geotechnical engineering professions, also for structures, highways, and others civil engineering facilities.

It is one of **ACES** tasks to perform tests, and monitor the quality control of materials used in Portland cement concrete mix, asphaltic concrete mix, base coarse, ...etc.

These tests include:

- ✓ Water absorption for coarse and fine aggregates.
- ✓ Specific gravity for coarse and fine aggregates.
- ✓ Proctor compaction test.
- ✓ Resistance to abrasion of coarse aggregate using Loss Angeles machine.
- ✓ Sand equivalent test.
- ✓ Soundness of aggregate using Magnesium Sulfate.
- ✓ California Bearing Ratio tests (CBR).
- ✓ Amount of material finer than 0.075mm sieve in aggregates.
- ✓ Clay lumps in coarse aggregate.
- ✓ Density of soil in-place by sand-cone method.

☒ Stone, Tile, Concrete Block ... Tests:

- ✓ Water absorption of natural stones.
- ✓ Determination of natural stone defects.
- ✓ Compression and flexural strength of natural stones.
- ✓ Testing the curvature resistance for natural stones.
- ✓ Testing of tiles includes; Flexural strength, abrasion, water absorption...etc.
- ✓ Tests of concrete block used for wall partition including compressive strength, volumetric weight, and measurement of size.

- ✓ Tests of concrete blocks used for roofs including: curvature resistance, volumetric weight, and measurement of size.
- ✓ Tests of interlock roof tiles including: curvature resistance, water penetration, and measurement of size.
- ✓ Tests of curbstone including curvature resistance, and measurement of size.

☒ Testing of flexible pavement structures:

ACES service includes providing customers with comprehensive studies to analyze failures and deteriorations in roadway structures, determine causes of such failures, and provide maintenance plan for rehabilitation.

Such solutions are concluded from the result of a large family of quality control tests that are performed by ACES in the following areas:

- ✓ Design of flexible pavement tests.
- ✓ Soil classification and determination of its suitability as a sub grade.
- ✓ California Bearing Ratio (CBR) for the sub grade.
- ✓ California Bearing Ratio (CBR) for the base course and sub base.
- ✓ Quality control tests for base course and sub base:
- ✓ Sieve analysis for base course.
- ✓ Atterberg limits for fine aggregates.
- ✓ Proctor compaction tests (standard or modified).
- ✓ California Bearing Ratio (CBR).
- ✓ Resistance to abrasion using Loss Angeles machine.
- ✓ Clay lumps.
- ✓ Sand equivalent test.
- ✓ In-place density of base course.
- ✓ Asphaltic concrete mix tests.

- ✓ Stability and flow test using Marshall method
- ✓ Asphalt content (Binder Content)
- ✓ Aggregate gradation
- ✓ Core test to determine the thickness and density of pavement layers.

☒ Soil tests:

- ✓ Soil and classification tests
- ✓ Liquid limit, Plastic limit.
- ✓ Amount of material finer than 0.075mm sieve.
- ✓ Sieve analysis.
- ✓ Hydrometer analysis.
- ✓ Bearing capacity tests.
- ✓ Unconfined compression test (used for cohesive soils).
- ✓ Triaxial test (used for cohesive & non-cohesive soils).
- ✓ Settlement and swelling tests
- ✓ Swelling pressure and swelling potential
- ✓ Consolidation test
- ✓ In addition to laboratory tests performed through the center's laboratories. ACES provide the following services:
 - ✓ Consultation and studies.
 - ✓ Quality control for ready mix concrete factories.
 - ✓ Evaluation of quarries and preparation of technical feasibility studies. Testing the different rock layers and propose a suitable solution.
 - ✓ Design of Portland cement concrete and asphaltic concrete mixes.
 - ✓ Evaluation and rehabilitation of structures.
 - ✓ Evaluation and rehabilitation of flexible pavements and other transportation facilities.

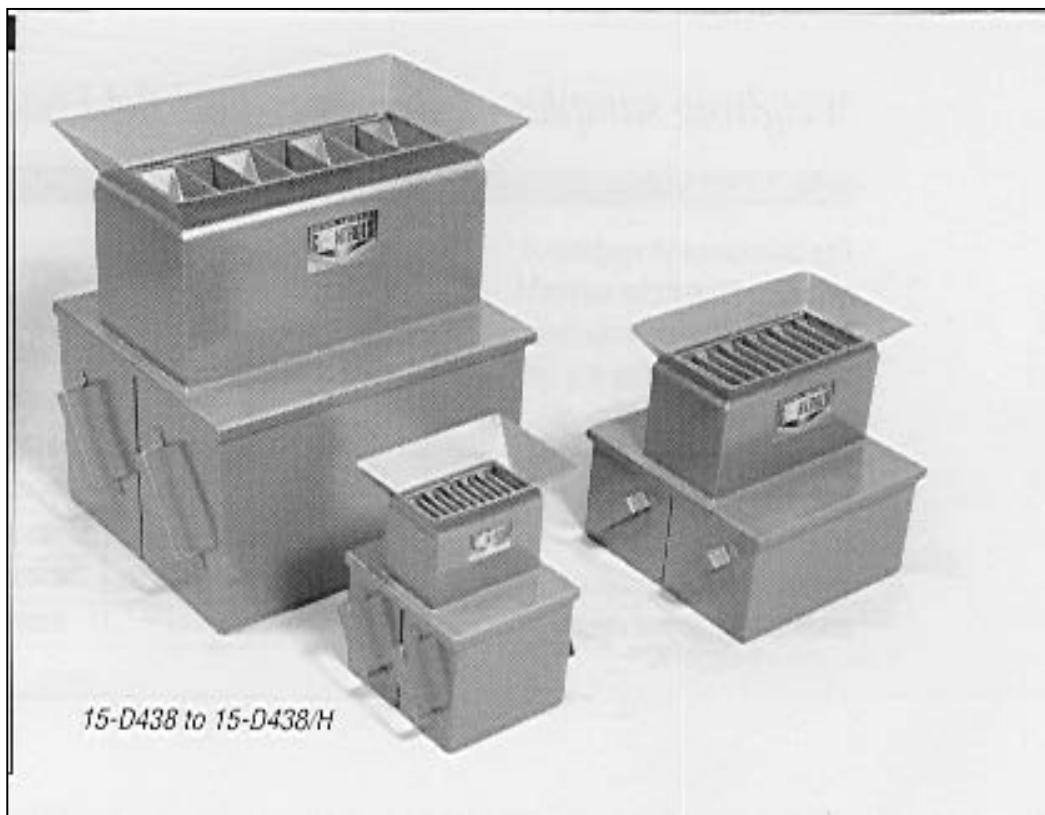
Equipment Available at ACES:

The philosophy of ACES is to produce accurate, reliable, and certified results. This can be achieved by using highly certified and approved equipment.

ACES were facilitated with CONTROLS digital equipment. This equipment is ISO 9001 certified for quality assurance. Also, CONTROLS comply with ISO – EN 45000 specifications for their calibration laboratories that can be offered by anywhere in the world.

ACES were distinguished in the field of calibration by having the ability to calibrate its digital equipment using its own effort. This is achieved by its consultant Dr. Osama Abaza who attended a comprehensive training course and was certified for calibration of laboratory digital equipment

Some of the available equipments at ACES are as follows:



“SAMPLING”

Sample splitters, designed for dividing dry materials such as sands, gravel, and similar into the required batch sizes for testing.

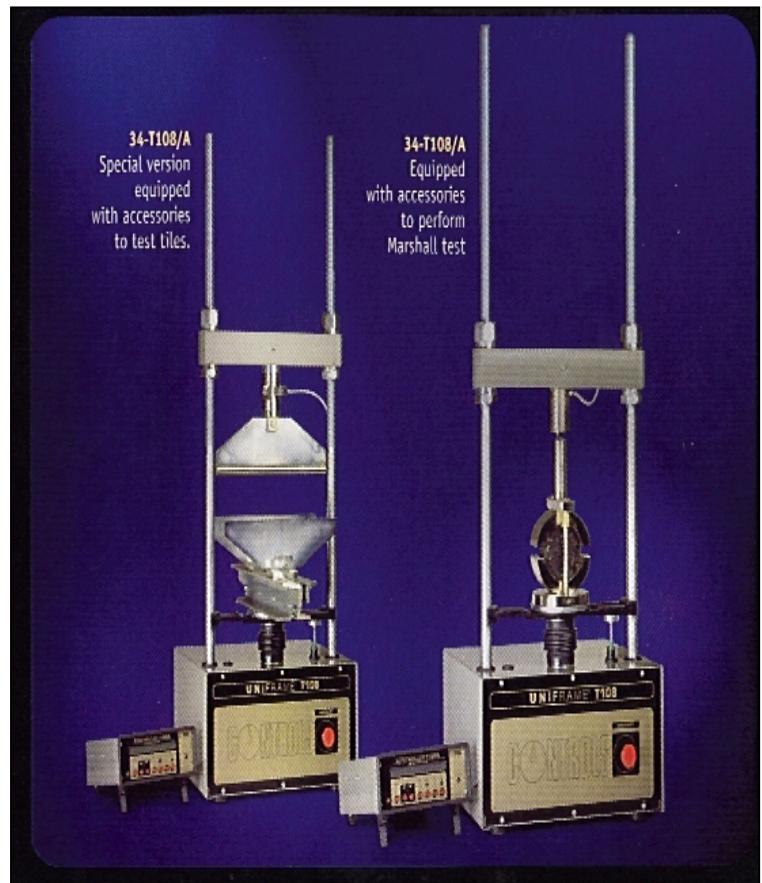
“SIEVE ANALYSIS”

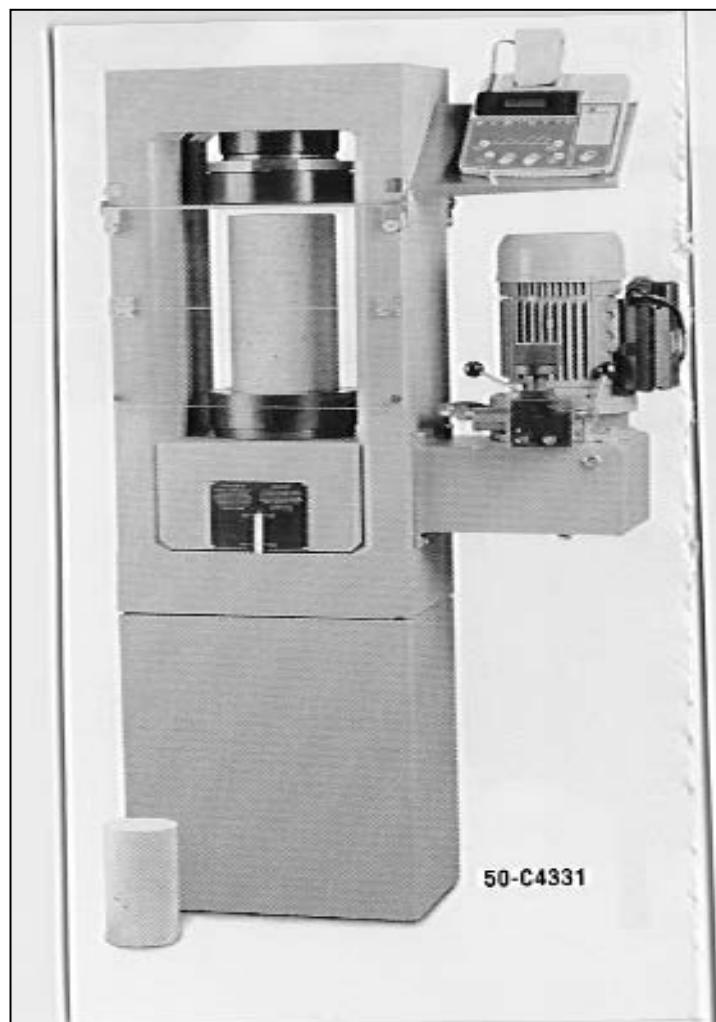
Used in the material testing laboratory to enable a consistent and effective sieving and grading of soil particles, aggregates...etc.



“UNIVERSAL COMPRESSION” MACHINE

Used to perform different tests; unconfined compression test, triaxial compression test, CBR, Marshall, tile & stone curvature. Supplied with electronic instrumentation and computerized data system to allow for data analysis and reporting directly through ready software for the different tests.





“COMPRESSION MACHINE”

Used for concrete block, stone, & concrete samples. Output can be printed out.



“GMM DEVICE”

Used to determine Maximum Theoretical Specific Gravity of asphalt.



“CONSOLIDATION MACHINE”

Used to determine compression index C_c , coefficient of consolidation C_v , & preconsolidation pressure P_c . The results are printed out and analyzed automatically without the need for a technician to follow up the results or a specialized engineer to analyze them. (This machine is fully developed by ACES).



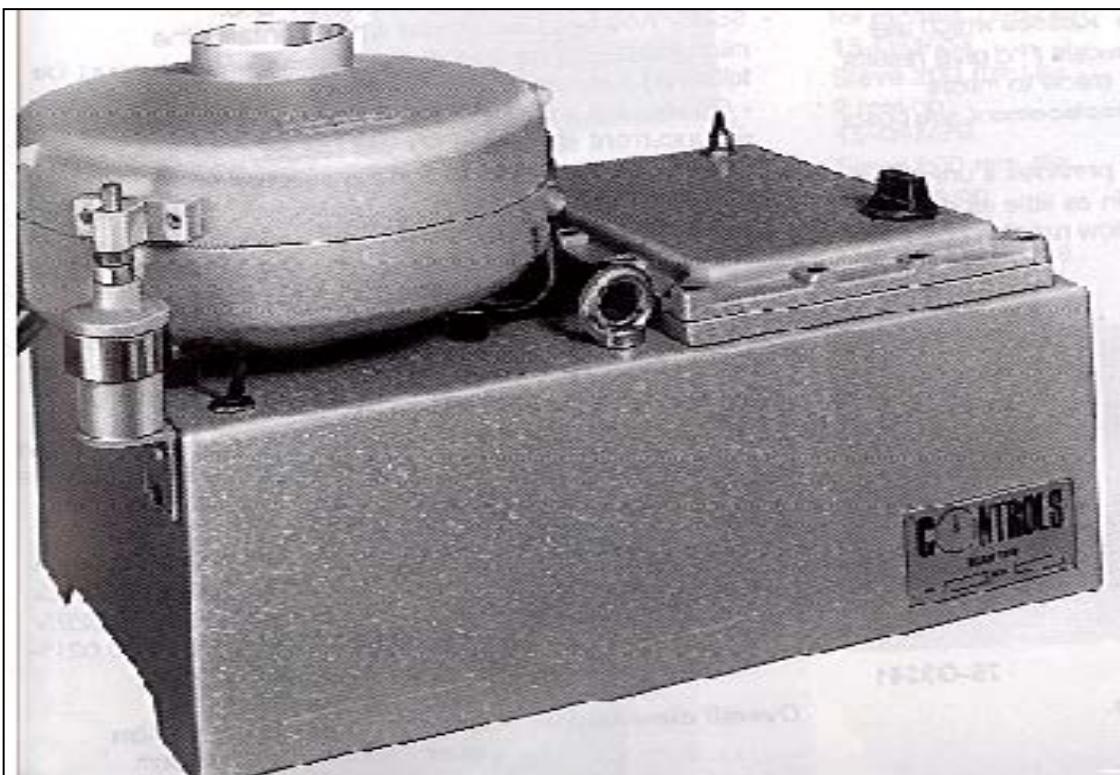
“CORE MACHINE”

Designed to obtain core samples from different places and positions.



“SIEVES”

Standard testing sieves for particle size analysis and gradation.



“BINDER EXTRACTION MACHINE”

Used to determine the bitumen percentage in bituminous mixtures, centrifuge extractor method.



Quality Control Projects Implemented by Aces:

Roads Projects

| Project | Contractor | Year | City | Supervisor |
|--|--|------|-------------------|-----------------------------------|
| | | | | |
| | | | | |
| | | | | |
| Rehabilitation of Internal Road | Noura Contracting Company | 2018 | Rantees | Rantees Council |
| Rehabilitation of Internal Road | Noura Contracting Company | 2018 | Westren Bani Zaid | Westren Bani Zaid Municipality |
| Rehabilitation of the Southern Entrance of Alzawayeh and the Southern Entrance of Rafat | Noura Contracting Company | 2018 | Alzawayeh - Rafat | The Ministry of Works and Housing |
| Rehabilitation of the Main Entrance Street | Envirotec for contracting and investment | 2018 | Bait Exa | Bait Exa Council |
| Rehabilitation of Internal Road | Al-Motahida Company for Contracting | 2018 | Yasooof | Yasooof Council |
| Rehabilitation of Internal Road | Al-Motahida Company for Contracting | 2018 | Masha | Masha Council |
| Rehabilitation of Internal Road | Al-Motahida Company for Contracting | 2018 | Alzawayeh | Alzawayeh Municipality |
| Rehabilitation of Internal Road | Al-Kafa'a Contracting Company | 2018 | Sengel | Sengel Municipality |
| Rehabilitation of Internal Road | AL-Azzam Contracting Company | 2018 | Iskaka | Iskaka Council |
| Rehabilitation of Internal Road | Al-Johar Contracting Company | 2018 | Silwad | Silwad Municipality |
| Rehabilitation of Internal Road | Na'afash Contracting Company | 2018 | Qosra | Qosra Municipality |

| | | | | |
|--|---|------|--------------------|-----------------------------------|
| Rehabilitation of Internal Road | Berfect Contracting Company | 2018 | Joreesh | Joreesh Council |
| Rehabilitation of Internal Road | Berfect Contracting Company | 2018 | Hares | Hares Council |
| Rehabilitation of the main road of Shokba Town | Al-Johar Contracting Company | 2018 | Shokba | Shokba Council |
| Rehabilitation of the main road between Sineeria & Kofor Thelth | Al-Motahida Company for Contracting | 2017 | Sineeria | The Ministry of Works and Housing |
| Rehabilitation of the main road between Broqueen & Kofor Aldeek | Noura Contracting Company | 2017 | Broqueen | The Ministry of Works and Housing |
| Rehabilitation of Internal Road | Al-Motahida Company for Contracting | 2017 | Qarawa Bani Hassan | Qarawa Bani Hassan Municipality |
| Rehabilitation of Internal Road | Noura Contracting Company | 2017 | Rafat | Rafat Municipality |
| Rehabilitation of Internal Road | Envirotec for contracting and investment | 2017 | Zabda | Zabda Council |
| Rehabilitation of Internal Road and Construction of Stairs | Envirotec for contracting and investment | 2017 | Qattana | Qattana Municipality |
| Rehabilitation of Almaqbara Road | Envirotec for contracting and investment | 2017 | Nour Shams | Popular Committee for Services |
| Rehabilitation of the Health Center | AlMutahida Contacting Company | 2017 | Farkha | Farkha Council |
| Rehabilitation of the main road between hajja & Alfondoq | Al-Mutahida Company for Contracting (Qandeel) | 2016 | Hajja & Alfondoq | The Ministry of Works and Housing |
| Rehabilitation of Internal Road | Al-Johar Contracting Company | 2016 | Alram | Alram Municipality |

| | | | | |
|---|---|------|---------------------|-----------------------------------|
| Rehabilitation of Betunia Main Road | Al-Johar Contracting Company | 2016 | Betunia | Betunia Municipality |
| Rehabilitation of Internal Roads | Al-Johar Contracting Company | 2016 | Bier Zeit | Bier Zeit Municipality |
| Rehabilitation of Internal Roads | Al-Johar Contracting Company | 2016 | Dair Soudan | Dair Soudan Municipality |
| Rehabilitation of Salfeet North Entrance | Al-Zahra' Contracting Company | 2016 | Salfeet | The Ministry of Works and Housing |
| Rehabilitation of Internal Roads | Al-Salfeeti Establishment for contracting | 2016 | Western Bani Zaid | Western Bani Zaid Municipality |
| Rehabilitation of Agricultural Roads | Al-Fandoqawmya Contracting Company | 2016 | Joret Ameera | UNDB |
| Rehabilitation of Almadeena Almonawara road | Noura Contracting Company | 2016 | Salfeet | Salfeet Municipality |
| Rehabilitation of Internal Roads | Noura Contracting Company | 2016 | Ramallah - Albeereh | The Ministry of Works and Housing |
| Infrastructure Works (Rehabilitation of main Road + First Stage of Sanitation) | Al-Saleh Contracting Company | 2016 | Bedya | Bedya Municipality |
| Rehabilitation of agricultural roads | Abo Al-Saood Contracting Company | 2015 | Qusra | Qusra Local Council |
| Rehabilitation of internal roads in Birzeit city/Jifna | Almada Contracting Company | 2015 | Birzeit | Birzeit Municipality |
| Rehabilitation of Bedia Main Entrance Road (Roundabout) | Abu-Haidar Company | 2015 | Bidya | Bidya Municipality |
| Rehabilitation of Salfeet \Kherbet Qais | Brothers Contracting Company | 2015 | Salfeet | Salfeet Municipality |

| Road | | | | |
|--|---|------|-----------------------|-----------------------------------|
| Rehabilitation of Brouqeen Roundabout | Al-Dameer Contracting Company | 2015 | Brouqeen | Brouqeen Municipality |
| Rehabilitation of Internal Roads / Bier zait | Al-Johar Contracting Company | 2015 | Birzeit | Birzeit Municipality |
| Rehabilitation of Internal Roads / Joureesh | Al-Saif Contracting Company | 2015 | Joureesh | Joureesh Village Council |
| Rehabilitation of Aqraba-Yanoon Street (First Stage) | Maher Na'fash company | 2015 | Aqraba | Aqraba Municipality |
| Rehabilitation of internal roads in Birzeit | Maher Na'fash company | 2015 | Birzeit | Birzeit Municipality |
| Rehabilitation and expansion of roads in Salfit governor | Al-Salfeety Establishment for Contracting | 2015 | Salfeet | The Ministry of Works and Housing |
| Rehabilitation of "Al-Khawas / Deir Gassaneh" Street | Al-Salfeety Establishment for Contracting | 2015 | Beit Reema | Beit Reema Municipality |
| Rehabilitation of the Connecting Road between Talfeet & Karyout | Dar Al - Bena' Contracting Company | 2015 | Talfeet | Joint Services Council |
| Rehabilitation of the Road Connecting between Salfeet & Farkha | Alro'a company for contacting | 2015 | Salfeet | Joint Services Council |
| Rehabilitation of Internal Road | Noura Contracting Company | 2015 | Salfeet | Salfeet Municipality |
| Rehabilitation of Internal Road | Noura Contracting Company | 2015 | Iskaka | Iskaka Village Council |
| Agricultural roads | Perfect Contracting Company | 2015 | Sarta/Bidya/ Brooqeen | UNDP |

| | | | | |
|--|---|------|-----------------------|--------------------------------------|
| Rehabilitation of Salfeet \Kherbet Qais Road | Brothers Contracting Company | 2015 | Salfeet/ Kherbet Qais | Salfeet Municipality |
| Rehabilitation and expansion of Sakaka Salfeet Street | Al-Salfeety Establishment for Contracting | 2015 | Salfeet / Iskaka | Joint Services Council |
| Rehabilitation of Internal Road | Almada Contracting Company | 2014 | Birzeit | Birzeit Municipality |
| Rehabilitation of Internal Road | Al-Foundoqawmiah Contracting Company | 2014 | Farkha | Ministry of Local Government |
| Rehabilitation of Internal Road | Al-Foundoqawmiah Contracting Company | 2014 | Bait Reema | Bait Reema Municipality |
| Rehabilitation of Internal Road | Al-Zahra' Contracting Company | 2014 | Salfeet | Salfeet Municipality |
| Rehabilitation of Internal Road | Al-Hareth Contracting Company | 2014 | Salfeet | Salfeet Municipality |
| Agricultural roads | Brothers Contracting Company | 2014 | Yasouf | Neno consulting offoce |
| Completion of Sewage Line in Western Bani zaid | Cobra for Contracting, Investment and Maintenance company | 2014 | Western Bani zaid | Palestinian Water Authority |
| Rehabilitation of Internal Road | Al -Salfeety Contracting | 2014 | Dair Balout | Dair Balout Municipality |
| Rehabilitation of Internal Road | Al-Dameer Contracting Company | 2014 | Kufur Eldeek | Kufur Eldeek Municipality |
| Maintenance of Roads at Ramallah Governorate | Noura Contracting Company | 2014 | Ein Senya | Ministry of Public Works and Housing |
| Rehabilitaion of Dair Estia Kifl Hares Roads | Noura Contracting Company | 2014 | Deir Estia | Deir Estia Municipality |
| Rehabilitation of Internal Road | Mostar Contracting company | 2014 | Rafat | Rafat Village Council |
| Rehabilitation of | Al Azd Contracting | 2014 | Kherbat Qais - | CHF - Global |

| Internal Road | Company | | Salfeet | Communities |
|--|--|------|--|----------------------------|
| Rehabilitation of Internal Road | Maher Na'fash company | 2014 | Birzeit | CHF - Global Communities |
| Rehabilitation of Agriculture roads in Marda . Deirstia , Kifil Haris | Sameer Abu-Sou'od contracting company. | 2014 | Marda . Deirstia , Kifil Haris - Salfeet | Eng.Mohamad Abu Alrob |
| Rehabilitation of Internal Roads | Al - Sawalha Contracting Company | 2014 | Bedia City | Bedia Municipality |
| Rehabilitation of Internal Roads | Al-saif Contracting Company | 2013 | Salfeet | Salfeet Municipality |
| Internal roads In Beit Soreek | Al -Salfeety Contracting | 2013 | Beit Soreek - Ramallah | CHF |
| Salfeet North Roads 10 km long | Al- Hareth Contracting company | 2013 | Salfeet | Salfeet Municipality |
| Arora-Kherbet Qais road | Noura Contracting CO | 2013 | Arora – Kherbat Qais | Al-Mazaree' Municipality |
| Internal Roads Saffa | Al –Salfeety Contracting | 2013 | Saffa - Ramallah | CHF |
| Dier AL-Sudan entrance road | Al –Salfeety Contracting | 2012 | Dier al Sudan | CHF |
| Internal Roads Beita | Al – Jawhar Contracting company | 2012 | Beita | Beita Municipality |
| Hiwarah Internal roads | Brothers company | 2012 | Hiwarah | Hiwarah Municipality |
| Aqraba Internal Roads | Al – Zahraa contracting | 2012 | Aqraba | Aqraba Municipality |
| Connect road Jayous - Tulkarm | Apco Arcon | 2011 | Jayous | USAID |
| Kufur Al-Deek interior roads | Al-Amal Establishment for contracting | 2011 | Kufur Al-Deek | Kufur Al-Deek Municipality |
| Jammae'en interior roads | New Land Company | 2011 | Jammae'en | Jammae'en Council |

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|--|---|------|---------------------------|--------------------------------------|
| Qabalan interior roads | New Land Company | 2011 | Qabalan | Qabalan Municipality |
| Tulkarm interior roads | Al-Qaisi | 2011 | Tulkarm | Tulkarm Municipality |
| Sarta entrance road | Iyadco Company | 2011 | Sarta | CHF |
| Kufur Al-Deek interior roads | Al-Amal Establishment for contracting | 2011 | Kufur Al-Deek | Kufur Al-Deek Municipality |
| Agricultural roads | Al-Dameer Contracting Company | 2011 | Mardah | World Vision |
| Agricultural roads | Brothers Company for Contracting | 2011 | Mazaree Al-Nubani | Agricultural Relief |
| Qere entrance road | Noura Contracting company | 2011 | Qere-Salfeet | CHF |
| Dier Styra roads | Al-Salfeeti Establishment for contracting | 2011 | Dier Styra | CHF |
| Sarta entrance road | Iyadco Company | 2011 | Sarta | CHF |
| Connect road Jayous - Tulkarm | Apco Arcon | 2011 | Jayous | USAID |
| Beita - Awrta road | Al-Ammal Contracting | 2010 | Beita | Ministry of Local Government |
| Salfeet - Aloban Road | Noor Yaseen Contracting | 2010 | Salfeet | Ministry of Local Government |
| Kufor Ein – Nabi Saleh Road | Brothers contracting | 2010 | Kufor Ein – Nabi Saleh | Ministry of public works and housing |
| Turmos Ayya – Moghayer Road | Al- Ammal Contracting | 2011 | Turmos Ayya – Moghayer | Ministry of Local Government |
| Farkha – Qarawa bani Zaid Road | Al- Ammal Contracting | 2011 | Farkha – Qarawa bani Zaid | Ministry of Local Government |
| Khirbit Abu Falah – Almazraa Road | Dar Al-BIna Contracting | 2011 | Khirbit Abu Falah – | Ministry of Local Government |

| | | | Almazraa | |
|----------------------------|-------------------------|------|---------------------|------------------------------|
| Iskaka –Yasouf Road | Brothers contracting | 2011 | Iskaka –Yasouf | Ministry of Local Government |
| Internal Roads | Dar Al- Bina | 2011 | Qaraw Bani Zaid | Ministry of Local Government |
| Internal Roads | Alaa Aldeen Contracting | 2010 | Qarawa Bani Hassan | Ministry of Local Government |
| Internal Roads | Al jawhar Contracting | 2010 | Kufor Ein | Ministry of Financial |
| Internal Roads | Al Azzam Contracting | 2010 | Almagdal Bani Fadil | Ministry of Local Government |
| Internal Roads | Abu Alsamin Contracting | 2010 | Kufor Haris | Ministry of Local Government |
| Beita Entrance | Al –Jawhar Contracting | 2010 | Beita | Ministry of Local Government |
| Sarta Entrance | Iyadco Contracting | 2011 | Sarta | CHF |

“Building Projects”

| Project | Contractor | Year | City | Supervisor |
|--|------------------------------------|------------|------------------------|--|
| Al - Jabreeni Stores | Hulool Contracting Company | 2018 | Beituniya | Consultation Group |
| External Works of Eyes Hospital Building | Brothers Company for Contracting | 2018 | Turmosia | PECDAR |
| Finishing and Executing the External Works of Al-Quds University Building | RCC Contracting Company | 2017 | Salfeet | Al Ameed Engineering Consulting Office |
| Kroom Alshamali School | Al-Tayseer Contracting Company | 2017 | Beituniya | Ministry of Education |
| Construction of Classrooms in Salfit Elementary High School | Noura Contracting Company | 2017 | Salfeet | Salfeet Municipality |
| Belal Almalek Elementary School | Aqraba Municipibality | 2017 | Aqraba | Aqraba Municipality |
| Alhuria School | Hulool Contracting Company | 2017 | Beituniya | Beituniya Municipality |
| Rehabilitation of Springs and Water Reservoirs | Alqasaba Contracting Company | 2017 | Naba'a Almatwi Salfeet | - |
| Alzaytoona University | Alzaytoona University | 2016/ 2017 | Salfeet | Alzaytoona University |
| Plaza Mall | Royah Real Estate Company | 2016/ 2017 | Ramallah | - |
| Alkoroom School | Aqraba Municipibality | 2016/ 2017 | Aqraba | Aqraba Municibality |
| The Establishment of Rain Water Draining Culverts | Dar Al - Bena' Contracting Company | 2016 | Qrawa Bani Zade | Ministry of Local Government / Qrawa Bani Zade Council |
| Construction of Farkha Health Center | Dar Al - Bena' Contracting Company | 2016 | Farkha | Noon Office |

| | | | | |
|---|---|------|-------------------|-------------------------------------|
| Injaz building | Al-Tayseer Contracting Company | 2016 | Abu Qash/Ramalla | - |
| Construction of Al-Quds Open University Building / Salfeet | Ewan Contracting Company | 2015 | Salfeet | Saffarini & Associates |
| School building of Shokba & Qibya | Al-Tayseer Contracting Company | 2015 | Shoqba / Qibya | Ministry of Education |
| Development of Industrial School Building / Salfeet | Al-Saif Contracting Company | 2015 | Salfeet | Joint Services Council |
| Multipurpoe Hall | Brothers Contracting Company | 2015 | Yasooft | Joint Services Council |
| Maintenance works in Eastern Bani Zaid schools | Brothers Contracting Company | 2015 | Eastern Bani Zaid | Eastern Bani Zaid Municipality |
| Vocational Center | Me'mar for Real Estate Investment Company | 2015 | Salfeet | PECDAR |
| Ministry of Interior Building | Noura Contracting Company | 2015 | Salfeet | Ministry of Public work & Housing |
| Intelligence Building | Hulool Contracting Company | 2015 | Salfeet | General Intelligence Department |
| Rehabilitation of Yasouf Secondary Girls School | Al-Jabali Contracting Company | 2014 | Yasouf | CHF-Global Communities |
| Construction of Health Center | Misleh Contracting Company | 2014 | Bidayah | Osamah Abu-Zir Engineering Office |
| Red Crescent Building | Dania Contracting Company | 2014 | Salfeet | Eng. Raaid Maali |
| Rehabilitation of Qabalan Public Service Center | Al-Saleh Contracting Company | 2014 | Qabalan | Global Communities- Eng.Jomana Issa |
| Construction of Multipurpose Hall | Spectra Contracting Company | 2014 | Farkha | World Vision |

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|--|--|------|--------------------------|---|
| Rehabilitation of Qousrah Park | Spectra Contracting Company | 2014 | Qousrah | World Vision |
| Water Tank | Mousa Abu-Hatab Contracting Company | 2014 | Salfeet | Salfeet Municipality |
| Water Reservoir | Brothers Contracting Company | 2014 | Kufur Eldeek | World Vision |
| Rehabilitation of Al-Zawyeh Secondary Girls School | Al-Mharah for Contracting & Investment Company | 2014 | Al-Zawyeh | Al-Zawyeh Municipality |
| Rehabilitation of Deer Al-Soudan Secondary Girls | Noura Contracting Company | 2014 | Deer Al-Soudan / Salfeet | CHF - Global Communities |
| Water drain | Noura Contracting Company | 2014 | Anabta-Tulkarm | Ministry of Public Works and Housing - Tulkarm Department |
| Constructing and Finishing Aqraba Police Station Center | Saleem Odeh Contracting Office | 2014 | Aqraba - Nablus | ARABESC |
| Health Center | Saleem Odeh Contracting Office | 2014 | Kufr Adeek | Kufr Adeek Municipality |
| Rehabilitation of Preliminary Boys School | Al-Dameer Contracting Company | 2014 | Broqeen | Broqeen Municipality |
| Construction of Water Reservoir of Alyanboo in Farkha' | Al-Dameer Contracting Company | 2014 | Farkha | PHG |
| Rehabilitation of Salfeet playing Yard | Al - Zahraa Contracting Company | 2014 | Salfeet | Salfeet Municipality |
| Rehabilitation of Majdal Bani Fadel School | Al-Zalmout Contracting Company | 2014 | Majdal Bani Fadel | World Vision - Eng.Mohamad Aldanah |
| Building of Women's Association Center | Al-Nasir Contracting Company | | Deir-Ballout | Eng.Jamelah |

| | | | | |
|---|--------------------------------------|------|--------------------------|-------------------------|
| Abo Alwafa Primary School Yard | Brothers Contracting Company | 2014 | Kufur Eldeek | Neno Consulting office |
| Masqat secondary school | Al-Amarah Company for contracting | 2013 | Salfeet | Khatib & Alami |
| Water pipeline projects | Musa Abu Hatab Contracting Company | 2013 | Salfeet | CEC |
| Qosra School | Al-Dameer Contracting Company | 2013 | Qosra | World Vision |
| Water Tank-Salfeet | Al-Qasaba Company | 2013 | Salfeet | CEC |
| Construction of Salfeet-Duaieer drainage network | Dar Al-Benaa Company for contracting | 2013 | Salfeet | CEC |
| Sarta secondary school | Al-Aseel Contracting company | 2013 | Sarta | Ministry of Education |
| Rehabilitation of Dier Ghassan water network | Dana Company for Contracting | 2013 | Dier Ghassan | Bait Reema Municipality |
| Rehabitation of Retaining Walls in Qaruot | Brothers Contracting Company | 2012 | Qaruot | World Vision |
| Retaining Walls in Al-Sawiah School | Brothers Contracting Company | 2012 | Al-Sawiah | World Vision |
| Yassouf school | Dana Company for Contracting | 2011 | Yassouf | Yassouf Council |
| Beddia school | Dania Contracting Company | 2011 | Beddia-Salfeet | CHF |
| Beddia Service Center | Dana Contracting Company | 2011 | Beddia-Salfeet | Beddia Municipality |
| Plastic Factory | Al-Radwan Contracting Company | 2011 | Tulkarm | -- |
| Beddia youth club | Ewan Contracting company | 2011 | Beddia | CHF |
| Dair Ammar Elementary School | Dar Al-Benaa Company for Contracting | 2011 | Dair Ammar Camp-Ramallah | UN |

| | | | | |
|--|--|------|------------------------|------------------------|
| /Veterinary Clinic PW-1 | Al-Jawad Office for Contracting | 2011 | Jordan Valley | JICS/Japan |
| Ministry of foreign affairs Building | Brothers Company for contracting | 2011 | Bitunia-Ramallah | UNDP |
| AL Zawiah Municipality center | Abu Baih office for contracting | 2011 | AL Zawiah | AL Zawiah Municipality |
| Ghassan Halabi 2 Residential Building | Ala'a Al-Deen Company for Contracting | 2011 | Salfeet | UNDP |
| /Ein Shebli Multi Purpose Center | Al-Jawad Office for Contracting | 2011 | Ein Shebli | JICS |
| /Al-Nassaryah Girls School | Al-Jawad Office for Contracting | 2011 | Al-Nassaryah | JICS Japan |
| /Ein Shebli School PW04 | Al-Jawad Office for Contracting | 2011 | Ein Shebli | JICS Japan |
| Salfeet Sport Hall | Al-Amal Establishment & Dar Al-Benaa Company for Contracting | 2011 | Salfeet | Eng.Husam Odeh |
| Broqueen Elementary School for Girls | Al-Salfeeti Establishment for Contracting | 2010 | Broqueen | CHF |
| Kufur Rumman School | Al-Zaitonah Company for Contracting | 2010 | Kufur Rumman - Tulkarm | CHF |
| Haris Elementary School | Al-Emad Company for Contracting | 2010 | Haris - Salfeet | Ministry of Education |
| Nowema School | Abu Alsamin Contracting | 2010 | Al Nowema - Jericho | Ministry of Education |
| Alquds Bank | Al- Soory contracting | 2010 | Beddia - Salfeet | Bank |
| Arabic Bank | Alameen Thaer | 2010 | Salfeet | Bank |
| Ministry of Education building | Al- loay Contracting | 2010 | Salfeet | Ministry of Education |

| | | | | |
|---|---------------------------------|------|-------------------|--------------------------------------|
| Health care clinic | Saleem for contracting | 2010 | Iskaka | CHF |
| Al-rahman Mosque | Alzaalan contracting | 2010 | Salfeet | Al Amthal office |
| Police office buildings | Al Ammal Contracting | 2010 | Salfeet | Ministry of public works and housing |
| Governorate Building | Al- quds Office for contracting | 2010 | Salfeet | Ministry of public works and housing |
| Majdal Bani Fadel Agricultural road | Al-Dameer Contracting Company | 2012 | Majdal Bani Fadel | World Vision |
| Rehabilitation of Yassouf water spring | Al-Dameer Contracting Company | 2012 | Yassouf | World Vision |

☒ Soil tests and field inspection projects:

- ✓ Ministry of interior in Nablus city.
- ✓ Eastern Side of Nablus Mosque (Nablus Municipality).
- ✓ Proposed bridge for Nablus Municipality in Nablus City.
- ✓ Eastern Baqa School.
- ✓ Deir Ammar School.
- ✓ GSM network towers for Palestine Telecommunications Co. (PALTEL) (70 towers).
- ✓ Nafa' commercial center.
- ✓ Sa'ad commercial center.
- ✓ Jenin housing project.
- ✓ Shwakeh school Building.
- ✓ Irtah school Building.
- ✓ Deir Al-Ghsoon school Building.
- ✓ Ministry of Finance \ Ramallah

- ✓ Several private projects.
- ✓ Many others.
- ✓ The total number of projects that the center participated in this field exceeded 200 projects per year.

☒ Quality control for roadway projects:

- ✓ Rehabilitation and construction of Beita – Aqraba Road for 2 Km length
- ✓ Rehabilitation and construction of Majdal Bani Fadel Road for 2.7 Km Length
- ✓ Rehabilitation and construction of Kufr Ne'meh – Bel'een – Safa Road for 8 km length.
- ✓ Rehabilitation and construction of Bedy'a – Seneeria Road for 3 km length
- ✓ Rehabilitation and construction of Kufur Malek village access road.
- ✓ Rehabilitation and construction of Al-Zu'em village access road.
- ✓ Rehabilitation and construction of Hezma arterial road.
- ✓ Rehabilitation and construction of internal roads of Al-Eizareia.
- ✓ Rehabilitation and construction of Biddo, Qattana, Al-Qubeba, & Beit-Anan rural roads.
- ✓ Rehabilitation and construction of internal roads of Rafat village.
- ✓ Rehabilitation and construction of Jericho-Jerusalem roadway in Bethlehem.
- ✓ Rehabilitation and construction of Kufur Al-Labad.
- ✓ Rehabilitation and construction of internal roads of Beit-Eiba.
- ✓ Rehabilitation and construction of internal roads of Beit Soreek.
- ✓ Rehabilitation and construction of internal roads of Ramallah City.
- ✓ Rehabilitation and construction of Bateer Main Road.
- ✓ Rehabilitation and construction of Jifna - Beirzait Main Road.

- ✓ Rehabilitation and construction of Al-Yamoon Road.
- ✓ Rehabilitation and construction of Izbat Al-Tabeeb Road.
- ✓ Rehabilitation and construction of Deir Al-Hatab Road.
- ✓ Rehabilitation and construction of Northern Aseera Road.
- ✓ Rehabilitation and construction of Al-Ebaidiya Road.
- ✓ Rehabilitation and construction of Beir Nabala Road.
- ✓ Rehabilitation and construction of Ammoriya Road.
- ✓ Rehabilitation and construction of Qiffeen Road.
- ✓ Rehabilitation and construction of Bietoniya Road.
- ✓ Rehabilitation and construction of Azmoot Road.
- ✓ Rehabilitation and construction of Al-Bathan Road.
- ✓ Rehabilitation and construction of Arora - Deir Sodaan Road.
- ✓ Rehabilitation and construction of Anbta Road.
- ✓ Rehabilitation and construction of Silwad Road.
- ✓ Rehabilitation and construction of Iraq Boreen Road.
- ✓ Rehabilitation and construction of Al-Sawahera Road.
- ✓ Rehabilitation and construction of Safad Road.
- ✓ Rehabilitation and construction of Beit Wazan Road.
- ✓ Rehabilitation and construction of Budros Road.
- ✓ Rehabilitation and construction of Al-Ezariya Road.
- ✓ Rehabilitation and construction of Al Mazra'a Al Sharqiya Road
- ✓ Rehabilitation and construction of Betteen Road.
- ✓ Rehabilitation and construction of Beit Ikssa Road.
- ✓ Rehabilitation and construction of Arora - Obween Road.
- ✓ Rehabilitation and construction of Bani Zaid Main Road.
- ✓ Rehabilitation and construction of internal roads of Qattanah.

- ✓ Rehabilitation and construction of internal roads of Al-Qibaibah.
- ✓ Rehabilitation and construction of internal roads of Al-Ram.
- ✓ Rehabilitation and construction of Saffa Main Road.
- ✓ Rehabilitation and construction of internal roads of Jeet.
- ✓ Rehabilitation and construction of Azzoon – Syneria road.
- ✓ Rehabilitation and construction of Ajool – Attarah road
- ✓ Rehabilitation and construction of Al Ram Interior roads
- ✓ Rehabilitation and construction of Main Beitunia road
- ✓ Rehabilitation and construction of Einabous road
- ✓ Rehabilitation and construction of Oreef road
- ✓ Rehabilitation and construction of Jamma'in road
- ✓ Rehabilitation and construction of Kifl Hares Interior Roads
- ✓ Rehabilitation and construction of Huwwara – Quza road

A total of 90km (on average) is supervised by the center per year.

☒ Quality control for structural projects:

- ✓ Eastern Baqa school-Tulkarem.
- ✓ Dir Ammar School-Ramallah.
- ✓ Handicapped center in Nur Shames-Tulkarm.
- ✓ Telephone exchange building for PALTEL in Salfet and Qalqelia.
- ✓ Commercial Center-Nablus.
- ✓ Private building for Mr. Raied Badwi-A'qraba, Nablus.
- ✓ Kasa School-Nablus.
- ✓ Al-Sharqa school – Qalqelia.
- ✓ Trust Company Building.
- ✓ Health-care units in several schools –Nablus.
- ✓ Awarta secondary School for Boys

- ✓ Qarawet Bani Hassan secondary School for Boys
- ✓ Aqraba Basic school
- ✓ Bruqeen secondary School for Boys
- ✓ Qufr Al- Deek secondary School for Boys
- ✓ Deir Estia secondary School for Girls
- ✓ Qabalan secondary School for Girls
- ✓ Qeereh Basic School
- ✓ Hares Basic School
- ✓ Salfeet hospital \ Supervision by UNDP
- ✓ Civilian Defense Building in Salfeet
- ✓ Water Information Center
- ✓ Bedya secondary School for Girls
- ✓ Masha Basic School for Girls
- ✓ Jeet secondary School
- ✓ Salfeet secondary School for Boys
- ✓ Qusra secondary School for Girls
- ✓ Talfeet Basic School for Girls
- ✓ Qufr Al Deek secondary School for Girls
- ✓ Oreef Basic School for Boys
- ✓ Einabous Basic School for Boys
- ✓ Madama Basic School for girls
- ✓ Marda Basic School for Boys
- ✓ Qarawet Bani Hassan secondary School for Girls
- ✓ Huwara Basic School
- ✓ Deir Estia secondary School for Boys
- ✓ Aseera Al Qeblia School for Boys

- ✓ Sinneria School for Boys
- ✓ Burqa Schools (Basic and Secondary) \ for PECDAR
- ✓ Several others Private buildings
- ✓ Many projects throughout the West Bank.

☒ Structural Evaluation of existing Facilities:

- ✓ Al – Salam Mosque - Nablus.
- ✓ Bal'a School Building
- ✓ Nablus Municipality Building.
- ✓ Talal Abu Thera' Building - Nablus
- ✓ Jawad Al Ma'lawani Building - Nablus.
- ✓ Najwan Darweesh Building - Nablus.
- ✓ Bazzaria - Anabta Road
- ✓ Faisal Street - Nablus.
- ✓ Al Saqya Street - Nablus.
- ✓ Al – Hurria Street - Nablus.
- ✓ Illar Road - Tulkarm.
- ✓ Deir Estia Secondary School
- ✓ Burqa Basic School
- ✓ Many projects throughout the West Bank.

☒ General Tenders:

- ✓ Sampling and Laboratory for Palestinian Economic Council for Development and Reconstruction (PECDAR) projects.
- ✓ Sampling and Laboratory for Care International projects.

ACES Organizational Structure:

Eng. Abdullah Shtaya, BSc.

General Manager, Quality Control

Eng. Rana Ahmad Alkhatib, BSc.

Technical Manager

Eng. Ismaeel Shawkat Afani, BSc.

Deputy Technical Director

Quality Control Technician

Yousif Qanbaz

Technician

Abdullah Mohammad

Technician

Ibrahim Islaim

Technician





State of Palestine

Ministry of National Economy

PALAC Palestine Accreditation unit

دولة فلسطين

وزارة الاقتصاد الوطني

وحدة الاعتماد الفلسطيني

ملحق اعتماد

Accreditation Schedule

LAS-008

مختبر شركة ايسز الهندسية م.خ.م - سلفيت

ACES Co. for Engineering Laboratories -Salfeet

Accredited Testing Lab.

Telephone No : 09-2515363
 Fax No. : 09-2515363

Issue No : 1/2017
 Issue Date : 19/7/2017
 Valid To : 18/7/2018

| Materials products tested | Type of test/ properties measured/ range of measurements | Standard / Method Reference No. |
|---------------------------|--|---|
| Concrete | <ul style="list-style-type: none"> -Sampling of fresh concrete, curing and testing concrete cubes in compression, Slump test - Taking, Capping & Testing concrete cores in compression | <ul style="list-style-type: none"> • PS 55-1-2007, 2,3,4-2001 • PS 55 P 6-2007 |
| Asphalt | <ul style="list-style-type: none"> - Quantitative extraction of bitumen from bituminous paving mixtures. - Resistance to plastic flow of bituminous mixture using marshal apparatus. - Bulk specific gravity of compacted bituminous mixture using saturated service dry specimens. - Theoretical maximum specific gravity and density of bituminous paving mixtures. - MC test (Water in Petroleum Products and Bituminous Materials by Distillation). | <ul style="list-style-type: none"> • ASTM D 2172-07 • PS 171-98 • PS 171-98 • ASTM D2041 - 11 • ASTM D95-13e1 |
| Soil and aggregate | <ul style="list-style-type: none"> - Density of soil in place by sand cone method - Moisture -Density relation of Soil method C - Liquid limit, Plastic limit, Plasticity index. -Sand equivalent of soils and fine aggregate. - Sieve analysis test. - Clay Lumps and Friable in Aggregates. - CBR (California Bearing Ratio). - Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine | <ul style="list-style-type: none"> • ASTM D 1556-15 • ASTM D 1557-12 • ASTM D4318-10 • ASTM D2419-14 • ASTM C 136-14 • PS 48-97 • ASTM D1883-16 • ASTM C 131-14 |



State of Palestine

Ministry of National Economy

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Accredited Testing Lab.

TelephoneNo : 09-2515363
Fax No. : 09-2515363Issue No : 1/2017
Issue Date : 19/7/2017
Valid To : 18/7/2018

| Materials products tested | Type of test/ properties measured/ range of measurements | Standard / Method Reference No. |
|-----------------------------------|---|---------------------------------|
| | - Soundness of Aggregates by Use of Sodium Sulfate or Magnesium Sulfate | • ASTM C 88-13 |
| Precast concrete Kerbs | - Dimension, Flexure strength. | • PS 84-2008 |
| Prefabricated concrete for paving | - Dimension, Bending, compression strength. | • PS 72-97 |
| Terrazzo floor tiles | - Dimension, absorption and bending strength | • PS 13-2001 |
| Concrete blocks for ribbed slabs | - Dimension, specific gravity and compression strength | • PS 24-2008 |
| Concrete blocks for walls | - Dimension, specific gravity and compression strength | • PS 6-2010 |
| Natural Stone | - Dimension, absorption, specific gravity Flexure and compression strength. | • P.S 112-97 |

Chair of Palestine Accreditation Unit



نقابة المهندسين - مركز القدس
هيئة المكاتب والشركات الهندسية



شهادة تصنيف

تشهد الدائرة الفنية في نقابة المهندسين - مركز القدس ومن واقع سجلاتها بأن

شركة آيسز الهندسية

تصنف لدى النقابة بمرتبة مكتب هندسي ثانية في خصص:

* ميكانيكا التربة والأساسات * جودة الخلطات الاسفلتية والإسمنتية
والمواد

وأن مؤسس/ي المكتب هم:

| الرقم | اسم المؤسس | تاريخ التخرج | الشخص |
|--------|-----------------------------|--------------|--------------|
| 113488 | عبد الله عبد الرحمن سليمان | 15/6/1998 | مؤسس / مهندس |
| 416295 | علاء غامد عبد الرحمن سليمان | 23/6/2003 | مؤسس / مهندس |

وأن المهندسين العاملين لدى المكتب هم:

| الرقم | اسم المهندس | تاريخ التخرج | الشخص |
|--------|---------------------------------|--------------|---|
| 113488 | عبد الله عبد الرحمن محمد سليمان | 15/6/1998 | ميكانيكا التربة والأساسات - رئيس اختصاص |
| 136891 | اسمه عبد العليم عطابي | 6/12/2013 | ميكانيكا التربة والأساسات - مساعي |
| 122389 | رضا احمد عبد الرحيم الخطيب | 25/1/2010 | جودة الخلطات الاسفلتية والإسمنتية والمواد - رئيس اختصاص |

المهندس زياد قواد العالم
رئيس هيئة المكاتب الهندسية

المهندس فیصل ذیاب
مدير الشؤون الفنية



| | | |
|---|--------------|------|
| TAREQ | رقم الشهادة: | ١٨٥٦ |
| تاريخ الشهادة: 25/4/2018 | | |
| أني كشظط أو تغير في هذه الشهادة تعتبر لاغية | | |
| سارية للفضول لمدة ثلاثة أشهر من تاريخ الإصدار | | |
| تحتمد هذه الشهادة فقط بعد إيقافها بالحق الاعتماد الصادر عن وحدة الاعتماد الفلسطينية / وزارة الاقتصاد الوطني لحقنيد الفحوصات | | |
| للسموح للمختبر إجرائها | | |

STATE OF PALESTINE
Ministry Of Public Works and Housing
Office of Deputy Minister



دولة فلسطين
وزارة الاشغال العامة والاسكان
مكتب الوكيل



الرقم: ١٤٢٧٦٥٦٦١
 التاريخ: ٢٠١٥/٥/٢

الاخ/ م. عبد الله اشتية المحترم
 مدير شركة ايسز

الموضوع: تجديد اعتماد مختبر شركة ايسز (مختبرات هندسية).

بعد التحية،

بالإشارة الى الموضوع اعلاه، وبعد التحقق من مدى مطابقة المختبر لمتطلبات الاعتماد الخاصة بوزارة الاشغال العامة والاسكان، فقد تم تجديد اعتماد مختبر شركة ايسز للقيام بالفحوصات المخبرية حسب الملحق المرفق.

مع التقدير،

م. عفيف اسعيد
 وكيل الوزارة المساعد لشؤون المحافظات

لدولة فلسطين
 وزارة الاشغال العامة والاسكان

٢٠١٥-٥-٣

اسم الصالحة: ١٤٢٧٦٥٦٦١
 رقم الصالحة: ١٤٢٧٦٥٦٦١

نسخة : دائرة المختبرات وضبط الجودة

Handwritten signature of M. Ayyub Al-Fayyad

Ramallah-almasyoun-M.darwish Rotary-Ministries Compound
 P.O.Box : Al_Bireh (3961)
 Ramallah _Tel : 2966006/7 _ Fax : 2987890
 Gaza - Southern Rimal-Arab League St

رام الله، المصيون، دوار محمود درويش، مجمع الوزارات
 صندوق بريد، البروة (3961)
 رام الله-تелефون: 2966006/7 - فاكس: 2987890
 غزة - الرمال الجنوبي - شارع جامعة الدول العربية



الإخوة مختبر شركة إيسز الهندسية ،

الموضوع: "تمديد العمل بشهادة الاعتماد للعام 2017"

تحية طيبة وبعد ،

بالإشارة إلى الموضوع أعلاه، فقد تقرر تمديد العمل بشهادة الاعتماد خاصتكم للعام 2017 و المنتهية صلاحيتها بتاريخ 2018/07/18 لغاية تاريخ 2018/09/03، و ذلك لمنح الفرصة الكافية لاتمام الاجراءات اللازمة لتجديد الاعتماد.

لمزيد من المعلومات يرجى الاتصال بوحدة الاعتماد.

مع فائق الاحترام

م. عبد الرحمن شتية
رئيس وحدة الاعتماد



ملحق اعتماد شركة ايسز

| Materials/Product tested | | Type Of Test | Specifications |
|--------------------------|---------------|--|--|
| A | Soil | <ul style="list-style-type: none"> - Soil classifications: Gradation , Plasticity Index (PI) - Field Density Test (F.D.T) - Modified Proctor(Moisture-Density Relationship) - Los Angeles Abrasion - California Bearing Ratio (CBR) | PS 399-99 ASTM D 4318-10 ASTM D 1556-2007 ASTM D 1557-2009 ASTM C 131-06 ASTM D 1883-07 |
| B | Base Coarse | <ul style="list-style-type: none"> - All quality Test of base coarse materials | PS &ASTM |
| C | Concrete | <ul style="list-style-type: none"> - Sampling Of Fresh Concrete, Curing And testing concrete in compression. - Slump test - Taking, capping & testing concrete Cores in compression. - Concrete Mix Design - Load test on slabs and beams of concrete | PS 55 – 1- 2007 PS 55 -3,4 - 2001 PS 55 – 2 - 2001 PS 55 – 6 - 2007 PS 282-99 |
| D | Bituminous | <ul style="list-style-type: none"> - Quantitative extraction of bituminous paving mixture - Core Test - Quality testing of Bituminous Mix | ASTM D 2172-05 ASTM D 2726-04 PS 171-98 |
| E | Aggregate | <ul style="list-style-type: none"> - All quality test | PS &ASTM |
| F | miscellaneous | <ul style="list-style-type: none"> - Precast concrete curb (Dimension, and Flexure strength) - Natural Stone(Dimension, Absorption, specific gravity,flexure and compression strength) - Concrete blocks for wall (Dimension ,specific gravity and compression strength) - Concrete blocks for ribbed slabs (Dimension, specific gravity and compression strength) - Terrazzo floor tiles (Dimension, absorption and bending strength) - Prefabricated concrete for paving (Dimension, bending and compression strength) | PS 84 - 2008 PS 112 - 97 PS 6-1 2010 PS 24- 2008 PS 13- 2001 PS 72-97 |



مدة
٢٨.٠٤.٢٠١٥
تمكّن من
الاستهلاك
جعفر عاصي

٢٠١٤.٣

Palestinian Economic Council for
Development & Reconstruction (PECDAR)

Program Management & Monitor Office - PMO



المجلس الاقتصادي الفلسطيني
للتنمية والإعمار (بكمار)

مكتب إدارة ومتابعة المشاريع

Date: July 29th, 2015

To Whom It May Concern

With Reference to the Consultancy Services for Sampling & laboratory Testing for PECDAR's Projects, This is to certify that the Abaza Center for Engineering Studies "Aces" is qualified to carry out laboratory tests required of PECDAR'S Projects.



CC: Eng. Farouq Kitaneh/PECDAR

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