

TEYSEER LABORATORIES

P.O.BOX : 1556, TEL : 44621254, FAX : 44568977, E-mail : lab@teyseergroup.com



LAB PROFILE



TEL. : 44621254 / 44622478

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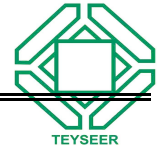
Since 1984

SOIL, AGGREGATES, ASPHALT & CONCRETE



INDEX

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Teyseer Laboratories

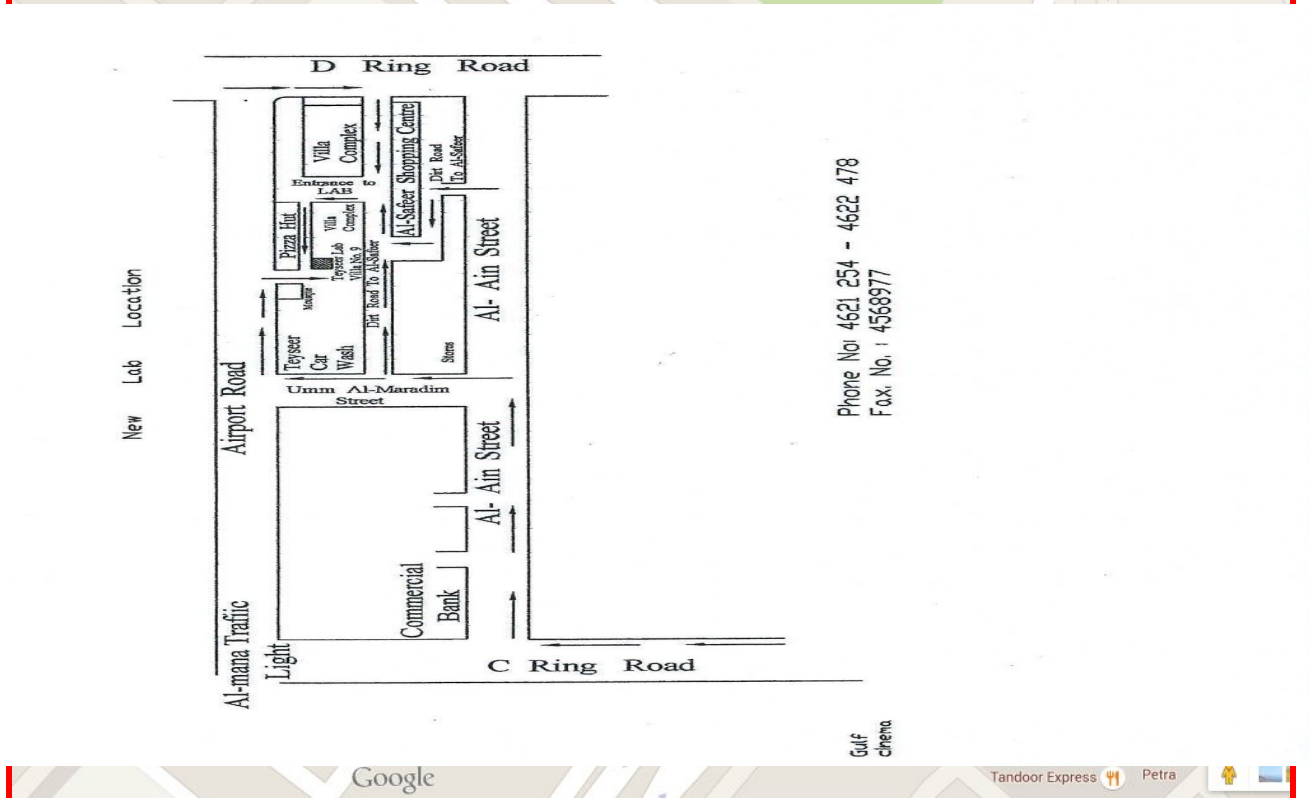
Teyseer Laboratories was founded in 1984 , as a materials testing laboratory in the fields of Soil , Concrete , Asphalt And Aggregates , to provide a service to the Buildings and Roads Construction Sectors , Private as well as Government . The laboratory is managed and staffed by qualified engineer, experienced and American Concrete Institute (ACI) approved technicians. We are an Accredited by A2LA (American Association for Laboratory Accreditation) ISO 17025:2017 Laboratory.

The laboratory provides a wide range of testing facilities to the different fields of Buildings Constructions , Roads constructions and earth moving .

The lab is approved by Qatar General Organization of Standards and Metrology (QGOSM) and by M/s. Ashghal as category II- which can take on Ashghal projects -

The lab is located at Al-hilal 42 , Villa 690 of KBH property , Next to Teyseer Service Centre Airport Rd.

It has some 400m2 of Office , Accommodation , Workshop and Stores .





Senior Test Personnel

- | | |
|---|--|
| 1)-General / Quality Manager | Mahmoud T. Ali - Materials Engineer.
38 years experience .
ACI Certified |
| 2)-Senior Lab Technician | Shafiq Akhtar-
8 years Experience.
Master Degree in Geology
Soil, Aggregates ,Asphalt &
Concrete Technician |
| 3)- Field Testing/compaction
Nuclear Gauge Method | Sernivasa Reddy .
Authorized By MOE
22 years experience . |
| 4)- Concrete & Asphalt Lab Tech.
Site work, core drilling | Madik Miya
20 years experience |
| 5)- Soil, Asphalt, Aggregates
Lab Tech. | Keshu Timilsina
12 years experience |
| 6)- Soil , Asphalt , Aggregates
Lab Tech. | Keshar Jang Baral
4 Years' Experience |
| 7)- Soil , Aggregates , Asphalt
Lab tech. | Sajid Hussain
2 years' experience |
| 8)- Soil, Asphalt Concrete Core
drilling Lab Tech. | Ali Akbar -
10 years' experience |
| 09)- Record Officer & Secretary | Moh`d Jyaul Rain - 10 years experience |
| 10)- Samples receiving Section | K. Thomas Mathew
14 years' experience |
| 121)- Account | Maxim Duchna – 20 years experience |



BIO - DATA

Name : Mahmoud T. Ali.

Date Of Birth : August , 1951.

Place Of Birth : Lebanon

Marital Status : Married

Nationality : Palestinian

**Education : Bachelor Of Science in Civil Engineering
Tri - State University , Indiana , USA. , 1977 .**

Languages : Arabic and English

Training Courses :

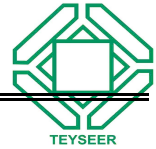
**1996 Attended the 23rd Specialized Training Course .
Laboratory Quality Management and Operation .
Organized by Standardization and Metrology
Organization, For G.C.C. with the co-operation
Of Ministry of Finance & Economy In the State
Of Qatar and Resource .**

1998 Traceability of Measurements in The GCC by NPL.

2003 Radiation Protection In Industrial Application ,

2004 Radiation Safety Officer In Industrial Application

**2008 Training Course for Aggregates & Concrete testing by
ACTS**



- 2008-2013** **Member of American Concrete e Institute for Aggregates & Concrete Testing**
- 2008** **General Requirements for the Competence of Testing and Calibration Laboratories (Based on ISO 17025:2005)**
- 2009** **Training Programme on Internal Auditor for Laboratory System as per ISO /IEC 17025 – Uncertainty Measurements.**
- 2011** **Training on ISO /IEC 17025 Internal Auditing and Measurements of Uncertainty. BY DTC**
- 2012** **Seminar on Pile Integrity and Rehabilitation of Concrete Structure.**
- 2014** **Seminar on Portable Metal Hardness Testing**

Employment History :

- a) 1978-1982 Head of Soil Investigation Department at Gulf International Inspection – kuwait .**
- b) 1982 - 1984 Site Engineer at Different construction site with Teyseer Contracting Company .**
- c) 1984 – 2000 Manager of Teyseer Crusher & Asphalt Plant . I was responsible for producing quality limestone Aggregates for using in concrete and asphalt mixes Like MD1, MD2 and MD3(using imported gabbro) as well as sub-bases .**
- c) 1984-until this date Manager of Teyseer Laboratories , my work includes managing the lab , responsible and involved in the day today business , ISO Certifications ,preparing & Supervising the design of Marshall Mixes of Teyseer Contracting Co. Asphalt Plant in Mesaieed Industrial Area , with Teyseer Laboratories team.**



CURRICULUM VITAE (CV)

SHAFIQE AKHATAR, M. Sc, P.G, FGS
Geotechnical & Material Engineer
TEYSEER LAB, DOHA, STATE OF QATAR

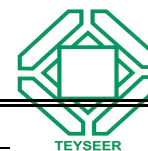
Contact information:

Current Address	Permanent Address
<i>TEYSEER LAB, TEYSEER GROUP Al Hilal , Doha, State Of Qatar Email- shafiqakhatar@gmail.com Mb-+974-66421480,;</i>	<i>City: Shohratgarh, District : Siddharth Nagar, Uttar Parades INDIA Mb-+918874306861</i>

Position Title and No.	Materials Engineer
Name of Expert:	Shafiqe Akhatar
Date of Birth:	04 – July - 1985
Country of Citizenship/Residence	Indian
Passport No & Expiry	H7245165 & (12/10/2019)

Exprience And Woking Details	More than 7 Year Exprience Working From July 2010 to Till Date
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Period	Employing organization and your title/position. Contact information for references	Country	Summary of activities performed relevant to the Assignment
January 2017 to Date	Teyseer Lab (Doha) Geologist (Material Engineer)	Qatar	All kind of building Material Testing and Report Analysis (Lab Work) Followed ASTM & BS Standard



July 2016-Dec 2016	Qatar Geotechnical and Environmental Geosciences (QGEC) Material Engineer	Qatar	Laboratories Material Testing and Geotechnical Dealing with Reports and lab Supervision Followed Standard ASTM & BS
Oct 2014 -2016	Qatar Engineering Laboratory (QEL) Engineering Geologist	Bahrain	- Material Testing and Geotechnical work Followed ASTM & BS Standard - Geotechnical work-logging and geotechnical testing lab and site work
Oct 2012 -2014	Al Hoty Stranger (Material Testing Lab) Engineering Geologist	Saudi Arabia	Involved and performing test on Asphalt, Aggregate, soil for ISO/IEC 17025 Accreditation - Material Testing - Building and road material testing - Lab As well as Geotechnical work
July 2010-2012	Geotechnical Solution Project Drilling Company, Delhi Geologist	India	Hydro Power Project Core logging, Bore Hole logging, Permeability of bore hole, Understand Water table, Foliation, Cleavage, fracture ...Standard Penetration Test (SPT), Geological Mapping.

ACI Training by Engineering Department of King Saud University for ACI Certificate
ARMACO Approved card for soil and Concrete test Daharan, Saudi Arabia

KNOWLEDGE of Building Material and Geotechnical Testing & Reporting

Non Destructive Test - Pilling Load Test , Zone Load Test, Plate Load test, Smith Hammer Test, Ultra Sonic Test (UPV), DFT, Pull Out test

Site Work : Geotechnical Investigation, Bore hole Core Sample Logging, , SPT & Coring, permeability test of bore hole by Packer & Constant Head, Rising Head method, Pressure meter test, Piezometer and Grouting , Understand Water table, Geological Mapping, handle GPS and Compass

Geotechnical lab Test : Young's Modulus And Poisson Ratio, Triaxle & Uniaxial Test, Tensile Test, Direct Shear Test, Odometer, Consolidation Test of Soil, Permeability Test of Granular soil (constant Head) and concrete, Slake And Durability test, Cercher test, Drilling Rate Index, Cutter Rate index, Total Quartz Content Unconfined compressive strength of Soil, Brazilian tensile test, Plate Load Test, D1194, Report analysis BS 1377 Part 9, Point Load Test etc....

ASTM & BS Standard

Refractory Test -Size and Dimension Measurement ASTM C134, Cold Cursing AND Modulus of Rupture ASTM C133, Reheat Change of Refractory Brick ASTM C113 etc



Australian Standard- Bulk Density AS 1774.5, Permanent Linear Change (PLC) AS1774.13, Cold Churning Strength AS1774.1, Modulus of rupture AS1774.3, Casting and Test Sample SHIRAGUM, SIRACRATE, SHIRALITE etc by **Australian Standard** etc

Cement Test- Compressive Strength of hydraulic Cement mortars (Using 50mm) cube specimens , Air Content, Standard Consistency, Setting time, Autoclave Expansion ,Fineness of Portland cement, Coal fly Ash, Alkali Reactivity of Aggregate (Mortar Bar) ,Soundness test of cement , Flow of Hydraulic Cement Mortar, Physical Analysis of Fly Ash, Control Mix ,Trail Mix and index, Micro Silica analysis of physical test ,Specific gravity of Cement, Grout..etc

Stone Test- Absorption and Density, Cold Crushing, Modulus of Rapture & Flexure etc

Tiles: Surface flatness, Plainness, Rectangularity, Dimension, MOR by **SASO 1030, 1031, BS 778,779**

Concrete Test- Temperature of Freshly Mixed Hydraulic-Cement Concrete, Sampling Freshly Mixed Concrete, Concrete Slump, Unit Weight, Air Content by Pressure and Volumetric Method, Making and curing Concrete Test, Compressive Strength of Concrete ASTM C39, Test method of testing hardened Concrete for compressive Strength BS 1881, Initial Surface Absorption of Concrete BS 188 Part5, Concrete core ASTM C42, Measuring Thickness of Concrete Elements Using Drilled Concrete Cores, Capping of Cylinder, Standard Test Method for splitting tensile strength of Cylinder concrete ,Beam & block Test, Duggan concrete expansion, bearing Masonry Unit ASTM C90, Concrete Masonry unit, Dimension and density of preformed block and board type thermal insulation, Electrical Induction of concrete ability To Resist chloride ion penetration (Rapid Chloride) Etc

Asphalt Test - Asphalt Marshal Mix Design Bulk specific gravity of Non absorption compacted bituminous mixture, Maximum Theoretical Specific gravity and Density of bitumen Paving mixture, Marshall Stability and flow of bituminous mixture, Penetration, Asphalt Hot Mix Design

SOIL & AGGREGRE Test-Sieve Analysis, Sand equivalent, Altenburg limit (Plastic Index) , Clay lump, flat And Elongated ,Loss Angelus ,Tin Elongation, Specific Gravity Coarse And fine Aggregate ,Specific Gravity of Soil, Aggregate, Impact value , Maxima And Minima, Unit weight, Modified Procter & Procter , CBR, Moisture Density Relations of soil, Hydrometer for particle size, Soundness ,Concrete Mix design, grout design, Thermal resistivity test etc

Geophysical Test- Resistivity test, Gama logging, Ultra Sonic Test, DFT, Holliday Test for Pipe Remote sensing and GIS

Optical: Petro logical analysis of Mineral under Microscope

Education:

Year	Qualification	University & Subject/Grade	
2010	M.Sc	Bundelkhand University, Jhansi,(U.P) India)	M.Sc. (Geology) 79%
2008	B.Sc	Aligarh Muslim University(U.P) ,India	Geology (H), Physics, Math's
2005	SSC	I. SC (10+2) U.P. Board India	Physics, Chemistry, Math's
2000	HC	U.P. Board (Science),India	Grade twelve (12) Certificate

Dissertation & Training:

Specialization Topic: - Detailed Structural Mapping and analysis to understand the tectonic fabric and Radio metric checking of Bhandar Group of Rocks in, Atomic Mineral Directorate And Research (AMD) Udaipur District, Rajasthan. GOVT of INDIA

Language Skills:



- Urdu: Confident native or bilingual (C2)
- English: Confident native or bilingual (C2)
- Hindi: Good native or bilingual (C2)

Driving Lenience: Kingdom of Saudi Arabia
Kingdom of Bahrain

Certification:

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience, and I am available to undertake the assignment in case of an award. I understand that any misstatement or misrepresentation described herein may lead to my disqualification or dismissal by Employer.

*

CIRRICULAM VITAE

CAREER OBJECTIVE

I am a hard working team player and I enjoy exceeding targets. I look for ways to do things better because I am motivated by being successful and achieving in the field of construction and Transport to evolve as an effective result.

Personal Information

<input type="checkbox"/> Name	Sajid Hussain
<input type="checkbox"/> Father name	Faqir Mohammad
<input type="checkbox"/> Passport No	KU 6899852
<input type="checkbox"/> Nationality	Pakistan
<input type="checkbox"/> Religion	Islam
<input type="checkbox"/> Marital Status	Married
<input type="checkbox"/> Qatar ID	28458604922

Work Experience

- Work as a Lab Technician in Teyseer Group from 2015 Dec To Oct 2017 Still Present and Perform The following test below.
- Soil BS1377 Standard (Maximum Dry Density, Atterberg , Sieve Analysis wet sieve
- CBR California Bearing Ratio
- ASTM Standard((Maximum Dry Density, Atterberg , Sieve Analysis wet sieve
- CBR California Bearing Ratio



- Aggregate (Grading , flakiness & Elongation , soundness, Aggregate Crushing Value , Aggregate impact Value , Finer than 75 , Clay lumps , Specific Gravity and Water absorption both fine and Course material , Loss Angles ,
- Asphalt (Marshal Properties , Specific Gravity Of bitumen , Penetration Of Bitumen , Gmm
- Density Of Concrete Core And Asphalt Core Perform All these test with confident according to specification
- **Qualification** Graduate (B.A)
- **Professional Skill**

HSE Course (Health and safety environment) from Descon Training institute Lahore Pakistan
6th months Basic Computer course from Fauji Foundation Technical Training Institute Kohat City
- **Communication Skill** English, Urdu

DECLARATION

I hereby declare that all the stated particulars are true to the best of my knowledge and belief.

Contact Details:

Sajid

Hussain

Mob: - 00974 31442927

E-mail: fahdishayan@gmail.com

Carriculum Vita

Keshar Jang Baral

Personal Details

Profession : Laboratory Material Laboratory Technician

Name : Keshar Jang Baral

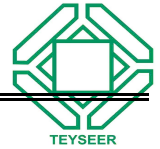
Date of Birth : 30/10/1988

Passport : 05651973

Passport Expiry : 05/09/2021

Qatar ID : 28852437018

Place of Birth : Palpa – Nepal



Nationality : Nepalese

Qualification : High School
Shree Amrit Public High School – Palpa (Nepal)

Language known : English, Hindi, Nepali

Present Address : Teyseer Laboratory
P.O. Box: 1556
Doha – Qatar

Contact : Mob:+974 33427985 (Doha-Qatar)
+977 9843926854 (Nepal)
e-mail (kesharmagar124@gmail.com)

Details of Work Experience

Since 2013 to present in Teyseer Laboratorys (Qatar) working as Lab Technician, work on Soil, Aggregates and Asphalt

AGGREGATES:

- Sieve Analysis. - BS 812 – 103 and BSEN 933-1
- Flakiness Index - BS 812- 105 and BSEN 933-3
- Elongation Index - BS 812-102
- Shape Index – BSEN 933-4
- Particle Density (Specific Gravity) And water Absorption BS 812 – 2 and BSEN 1097-6



- Agg . Crushing Value-BS 812 - 110
- Ten Percent Fine Value – BS 812 -111
- Agg. Impact Value – BS 812-112
- Bulk Density-ASTM C29 / C29M
- Shell content-BSEN 993-7
- Clay lumps and Friable – ASTM C142
- Los Angeles Abrasion-ASTM C131 and C535
- Soundness-ASTM C88
- Finer Then 0.075mm-ASTM C117
- Sand Equivalent – ASTM D2419
- Acid Soluble sulfate – BSEN 1744-1
- Acid Soluble Chloride – BSEN 1744-5
- Moisture Content – BS 812 – 109

SOIL:

- Maximum Dry Density – BS 1377-4
- Particle Density – BS 1377 – 2
- Sieve Analysis - BS 1377 – 2
- Liquid Limit and Plastic Index – BS 1377 – 2
- CBR – BS 1377 – 105 -1
- SO₃ & CL Water Soluble – BS 1377- 3
- SO₃ CL Acid Soluble – BS1377 – 3
- Dry Density Test; Sand Replacement Method
BS 1377 – 09
- Maximum Dry Density ASTM D1557
- Correction of Unite Weight and Moisture Content
ASTM – D4718
- Moisture Content Soil & Rock ASTM – D2216
- Relative Density of Course Agg, ASTM- C127
- CBR ASTM-D1883



- Sieve Analysis (Particle Size Distribution)
ASTM C136 M
- Liquid Limit, Plastic Limit & Plasticity Index
ASTM – D4318

ASPHALT:

- Binder Content and Grading – ASTM 2172
- Marshall Properties – BSEN 12697
- MC 1 Spraying – ASTM D2995
- Softening Point – BSEN 1427-58
- Theoretical Max. Specific Gravity (GMM)
ASTM D2041-03a
- Asphalt Core Thickness – BSEN 12697-6
- Asphalt Core Density – BSEN 12697 – 29
- Penetration – BSEN 1426-49
- Relative Density of Bitumen - ASTM D70 -09

Curriculum Vita

Personal Details

Profession : **Material Testing - Laboratory Technician**

Name : **Dwaram Pudi Srinivasa Reddy**

Date of Birth : **06/02/1969**

Passport : **H4225447**

Passport Expiry : **09/08/2019**

Qatar ID : **26935601353**



Place of Birth : Alamuru (A.P.) India

Nationality : Indian

Qualification : 10+2
S. V. K. P. Junior College (A.P) India

Language known : English, Hindi & Telugu

Present Address : Teyseer Laboratory
P.O. Box: 1556
Doha – Qatar

Contact Address : Teyseer Laboratory
Mob: +974 55929582 (Doha-Qatar)

Details of Work Experience

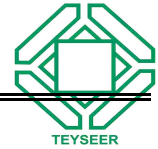
Since 1998 to present in Teyseer Laboratorys (Qatar) working as Lab Technician, work on Soil, Concrete, aggregates and Asphalt

SOIL:

- Maximum Dry Density – BS 1377-4
- Particle Density – BS 1377 – 2
- Sieve Analysis - BS 1377 – 2
- CBR – BS 1377 –4 – 1990
- In-Situ Dry Density Test By Nuclear Gauge Method-BS 1377-09-1990
- Dry Density Test by Sand Replacement Method BS 1377–09

Concrete:

- Concrete Cube Compressive Stg. - BS 1881 : PART 111, 114 & 116 : 1983 and



BSEN 12390-1-2012, 12390-3-2009 &
BSEN 12390-7-2009)

- Concrete Hollow Block – BS 6073 : PART 1 : 1981 and BS EN 772-1:2011+A1:2015

AGGREGATES:

- Sieve Analysis. - BS 812 – 103
- Flakiness Index - BS 812- 105
- Elongation Index - BS 812-102
- Agg . Crushing Value-BS 812 - 110
- Agg. Impact Value – BS 812-112
- Sand Equivalent – ASTM D2419

ASPHALT:

- Binder Content and Grading – ASTM 2172
- Marshall Properties – BSEN 12697
- MC 1 Spraying – ASTM D2995
- Asphalt Core Thickness – BSEN 12697-6
- Asphalt Core Density – BSEN 12697 – 29

**BIO -
DATA**

NAME : MOH'D JY AUL RAIN

DATE OF BIRTH : 06/12/1974

PLACE OF BIRTH : JANAKPUR (NEPAL)

NATIONALITY : NEPAL

MARITAL STATUS : MARRIED



QUALIFICARTIONS : HIGH SCHOOL (10th STANDARD)

ADDITIONAL QUALIFICATIONS : ERP – ORALCLE (COMPUTER LITERATE).

LANGUAGE KNOWN : ENGLISH, ARABIC, HINDI, NEPALI & URDU

PROFESSION : DOCUMENT CONTROLLER

**PRESENT ADDRESS : TEYSEER LABORATORIES
POST BOX NO.1556
DOHA-QATAR**

**WORK EXPERIENCE : SINCE 2005 TO-DATE
WORKING IN TEYSEER LABORATORY
(DOHA, QATAR) AS DOCUMENT CONTROLLER.
PRODUCING COMPUTERISED REPORTS / DOCUMENTS AND ALSO OPERATING
ORACLE SYSTEM FOR INVOICING.**

BIO-DATA

NAME : MAXIM DCUNHA

DATE OF BIRTH : 11.06.1956

PLACE OF BIRTH : BOMBAY, MAHARASHTRA STATE.

NATIONALITY : INDIA

MARITAL STATUS : MARRIED

**EDUCATION : B.COM (GRADUATE) FROM
UNIVERSITY OF MYSORE,
KARNATAKA STATE, INDIA.**



Polees Khan

Senior Tech.

Approved Signatories` are the only persons who may sign approved test certificates issued.

Our Services

1 - CONCRETE

Item No.	Test Description
1.1	Compressive strength of concrete cubes including weight , dimensions and density - to a-BS EN 12390-3 & BS EN 12390-7 b- BS 1881



1.2	Compressive strength of concrete cylinders to BS 1881
1.3	Compressive strength , density and visual examination and end preparation , of drilled concrete cores - to BS 1881
1.4	Water absorption of concrete blocks, flags or tiles
1.5	Compressive Strength of concrete Blocks
1.6	Laboratory Trial mixes using materials supplied by the Client - not including design: 1 - Mixing 2 - Making Cubes (9 per mix)

2-ASPHALT

Item No.	Test Description
2.1	Binder Content & Aggregates Grading to ASTM D 2172 SAMPLED BY THE CLIENT
2.2	Stability and Flow For Asphalt Plugs Plugs supplied by the client to : 1- BS 598 : Part 3 : 1985 2- BS EN 12697
2.3	Determination of particle distribution for hot mixed asphalt to



	BS EN 12697-2
2.4	Bulk Density of Bituminous Specimen Procedure A dry to BS EN 12697-6 Clause 9.2
2.5	Determination of the dimensions of the Bituminous Speciment to BS EN 12697-29
2.6	Thickness of the bituminous specimen to BS EN 12697-36
2.7	Determination of the void Characteristics of Bituminous Specimen to BS EN 12697-8
2.8	Determination of the needle penetration of Binder to BS EN 1426
2.9	Density of Drilled Asphalt Cores
2.10	Gmm of Asphalt mixes using Rice Method to ASTM
2.11	Laboratory trial mix using materials supplied by the client . Includes preparing the mixes to specified particle size distribution limits up to four nominal sizes of aggregates at six differing binder contents and testing for marshall stability , marshall flow , density , voids in the mix and voids filled with binder at each binder content .

3 - AGGREGATES

Item No.	TEST DESCRIPTION
3.1	Moisture Content to BS 812
3.2	Sieve Analysis to BS 812 Sieve Analysis to BS EN 933-1
3.3	Clay , Silt and Dust Content To BS 812



3.4	Flakiness Index to BS 812 Flakiness Index to BS EN 933-3
3.5	Elongation Index to BS 812 Shape Index to BS EN 933-4
3.6	Angularity Number to BS 812
3.7	Relative Densities to BS 812
3.8	Water Absorption to BS 812
3.9	Aggregates Crushing Value to BS 812
3.10	Ten Percent Fine to BS 812
3.11	Los Angeles Abrasion Test to ASTM C-131
3.12	Aggregates Impact Value to BS 812
3.13	Soundness test to ASTM C -88.

4 - SOILS

Item No.	Test Description
4.1	Moisture Content to BS 1377



4.2	Atterberg Limits to BS 1377
4.3	Specific Gravity to BS 1377 , Test 6
4.4	Dry Sieve Analysis to BS 1377
4.5	Wet Sieve Analysis to BS 1377
4.6	Dry/Density Moisture Content Relationship Using 4.5 kg Rammer-Automatic Hammer to BS 1377 test No.
4.7	California Bearing Ratio to BS 1377
4.8	Soaking for 4 days item 4.7
4.9	Linear Shrinkage Limit to BS 1377

5 - CHEMICAL TESTS

Item No.	Test Description
5.1	<u>Aggregates, Soil and Rocks</u> Acid Soluble Sulphates To BS 812



5.2	Water Soluble Sulphates
5.3	Sulphate Contents To BS 1377
5.4	Chloride Contents To BS 812
5.5	<u>Water</u> Sulphate Contents
5.6	Chloride Contents

6 - FIELD TESTING

Item No.	Test Description
6.1	In-situe Density Test a-Sand Replacement Method b- Nuclear Gauge Method
6.2	Concrete Cores 100 mm Diameter
6.3	Concrete Cores 150mm Diameter
6.4	Trimming, Capping And Compressive strength for items 6.2 & 6.3
6.5	Plate Bearing Test

DETAILS OF EQUIPMENT AVAILABLE AT TEYSEER LABORATORIES:

Item	Description	Quantity
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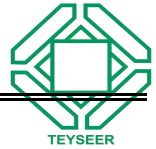


1	Sample Splitter - different sizes	4
2	Cone penetrometer with electrical timer-Liquid limit	1
3	Liquid limit device - Casagrande method	1
4	End - over- end Shaker	1
5	Sand Equivalent Apparatus	1
6	Mechanical Sand Equivalent Shaker	1
7	Muffle Furnace	1
8	BS Compaction Rammer- 4.5 kg	1
9	BS Standard Mould	2
10	Automatic Compactor	1
11	California Bearing Ratio Machine	2
12	CBR moulds And Accessories like, Swell Plates, Swell Tripod Swell Dial Gauges, Perforated Base Plates, Plug, Spanners Annular Surcharge Weights, Solid Base Plates, etc.	set of 10
13	Mechanical Sieve Shakers	2
14	200 mm Pouring Cylinder ,200mm Calibrating Container	1
15	Nuclear Density Gauges	3
16	Compression Machine	2
17	Slump test	set
18	Concrete Mixer	1
19	Trimming Machine	1
20	Concrete Core Machine	2
21	Cylinder Capping Frame	Set
22	Melting Pot	1
23	Concrete Test Hammer	1
24	Flakiness Sieves and Gauges	Set
25	Sand Absorption Cone and Tamping Rod	Set
26	Elongation Index - Length Gauge	Set
27	Los Angeles Abrasion Machine	1
28	Aggregates Impact Value(AIV)	1
29	Aggregates Crushing Value Apparatus	Set
30	Extraction Machine	2
31	Manual Compaction Pedestal With Compaction Hammer	1
32	Sample Extruder	1
33	Automatic Compaction Hammer	1
34	Stability & Flow Tester Machine	2
35	Breaking Head and Flow Meter	1
36	Water Bath	2



37	Standard Penetrometer	1
38	Density Basket	1
39	Desicator Vacuum Type	2
40	Vacuum Pump	1
41	Vacuum Cabints	2
42	Plate Bearing Test Equipment	Set
43	BS Sieves	Sets
44	ASTM Sieves	Sets
45	Trays Different Sizes	Sets
46	Moisture Cans	30
47	Measuring Cylindres	Sets
48	Volumatric Flasks	Sets
49	Conical Flasks	Sets
50	Graduated Pipettes.	Sets
51	Measuring Cyliners	Sets
52	Weighing Bottles	Sets
53	Beakers.	Sets
54	Bulb Pipettes.	Sets
55	Burettes	Sets
56	Stands,	Sets
57	Bossheads	Sets
58	Clamps	Sets
59	Plastic Buckets	Sets
60	Polethene Bottles	Sets
61	Funnels	Sets
62	Crucibles	Sets
63	Thermometers - Different Scales.	5
64	Mechanical Balances	3
65	Electronic Balances	4
66	Electric Ovens	3
67	ISAT - Concrete Permeability	Set
68	Automatic Soil Compacter – Model 2009	1
69	Asphalt Extraction Machine – Model 2009	1

CALIBRATION AND SERVICING OF EQUIPMENT



All equipment in the Calibration System shall be calibrated against nationally traceable standards as evidenced by QGOSM , Pioneer Lab , DTL Lab , and Tisco Calibration Centre , certificates where these are obtainable and where measurements have a significant bearing on the tests.

The requirements of BS : 5781 shall be established and maintained.

a) Chemical Analysis:

1) Balances

All balances shall be serviced and calibrated at 12 monthly intervals by Qatar General Organization for Standards & Metrology or Qatar Armed Forces Calibration Centre.

The calibration records shall be retained in the file entitled Valid Calibration Certificates

b) Mechanical Laboratory:

1) Testing Machines

The following Machines should be calibrated every 6/12monthly intervals , as specified below :-

Compression Machines	(12 months)
Asphalt Marshall Machine	(12 months)
Electronic Balances	(6 months)
CBR Proving Ring	(12 months)
Nuclear Gauge Machines	(6 months)
Thermometers	(12months)
Schmidt Hammer – Rebound Hammer	(6 months)
Nuclear Gauge Machnines only by DTL or Pioneer	(6 months)

[Some of the running projects using Teyseer Laboratories as a third party](#)



01	Black Cat Engg. & Const. Co	GC 14112700 Epic for Gas Supply to Facility (D) At Al Wakrah
02	Al-Hazan Contracting Co.	New Strategy Study Centre (Qatar Armed Forces)
03	National industrial Cont. (NICC)	Labour Accommodation AT Ras Laffan City
04	Brick Stone Contg. Co.	Apartment Building at Al-Saad
05	Barada Trad. & Contg. Co.	J/- 225 - Apartment Building at Dafna
06	Al-Mana Engineering	Villa Complex at al waab
07	Al-Masaken Contracting Co.	8 Villas + 8 Services + 8 Guard Room at Muaiter
08	Al-Masaken Contracting Co.	Commercial Building at D-Ring Road
09	Al-Hazan Contracting Co.	K-06/15 – Const. of Water Reservoir for Amiri Guard at Abu Fas Farm
10	Noor Al-Hidaya Trad. Co.	Muntaza hotel Project
11	White Pearl Trad. & Contg. Co.	Villa Complex at al wukair
12	K. B. R. Qatar	Proposed Residential Building At A-Wakrah
13	Rock Trad. & Contg. Co.	Proposed Villas (G+1+P) & Ancillary Building At Rawdat Al-Hamama
14	Salem Bin Hassan al-Ansari Co.	Mosque at Ain Khalid (Ministry of Awqaf)
15	Salem Bin Hassan Al-Ansari	Mosque at Aba al-Heeran M-116A (Ministry of Awqaf)
16	Zenon Trad. & Contg. Co.	(B+G+7) Floor Building at Mansoor-15
17	Mohd. Ali Nama Contg. Co.	Mosque DM-5 & Imam House Type-7 at Al-Wukair (Ministry of Awqaf)
18	Umm Al-Rubain Contg. Co.	Villa at Bani Hajer - Rayyan
19	Jad Trad. & Contg. Co.	Office Building At Umm ghuwailina
20	Al-Bayraq Trad. & Contg. Co.	Building At Al-Mansoor

NATIONAL PROJECTS COMPLETED:



NO.	Contractor	Project
1	M/s. MIDMAC	a- Fontas II - Doha Air Base b- Al-Udied Camp
2	M/s. NICC	a- Adminstration Building - Doha Air Base b- PS 34 A Sewerage & Gharrafa Trunk c- Al-Waab development Project d- Doha Sea Arm Base
3	M/s. TCC	a- Al-Duhail Army Camp. b- NGL - Mesaieed c- 780 Units At sialyiah d- Route 55 e- Al-Ameer Street Phase III f- Ras Gas Housing Project - Dhakira g- Ras Abu Fontas Deselination Plant
4	M/s. CONDOTE	Ras Lafan Port
5	M/s. ALWAHA EST.	Olympic Shooting Gallery
6	M/s. GETTCO CONTG.	City Centre
7	M/s. QBEC	City Centre
8	M/s. AMCON	a- Doha Corniche Expansion b- Nodco Expansion Refinery – Earth Works
9	M/s. CCIC	a-Qatar Vinyl Project - Mesaieed b-GTC 119 / 99 - Dukhan
10	M/s. SHANNON	Many Road Works
11	M/s. BUZWEAR ENGG.	a-Arab League Street b-ERC 1420/C3 – RIW MunicipalityAl-Shamal c-ERC 1400/D3-C1-West Bay Lagoon
12	M/s. Al-Sriaya Contg.	Karwa /Mowasalat Accommodation-Abu Hamour
13	M/s. Voltage Contracting	a- GTC 84/2005 b- GTC 85/2005
14	M/s. Lotus Contracting	a- CP 45A,DFC 0214-PS -36 Doha Rayyan Sewer b- Hotel Amphitheater at Souq Wakif
15	M/s. GALFAR ALMISNAD	GTC 117/99 –Epic of two lane dual carriageway
16	M/s. ASKA -MABANI	GTC 196 / ED / 01 - MESAIEED
17	M/s. BLACK CAT	a- GTC 118 / 2000 - DUKHAN b- GTC 187 / ED / 103 - DUKHAN
18	M/s. Al-Attiyah Contg.	a- ERC 0725/C5 – Umm Birkah –Road works b- Mesaieed Housing Project c- Kindergarten Schools at Ain Khalid
19	M/s. Builders Contg.	DSWMC at Mesaieed – Earth Works
20	And Many Other Jobs	Privates