



ACPP JAIPUR 2017
ASIAN CONGRESS OF ARCHITECTS
HAPPINESS THROUGH ARCHITECTURE

PROFESSIONAL PRACTICE OF ARCHITECTURE IN PAKISTAN
INSTITUTE OF ARCHITECTS PAKISTAN

1- COUNTRY INFORMATION

COUNTRY INFORMATION (ECONOMIC INDICATOR)

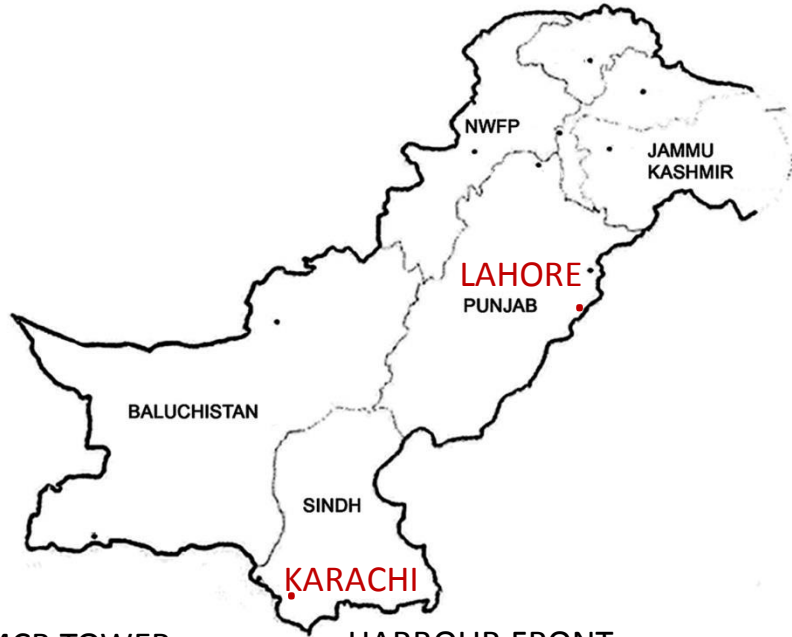
POPULATION	196,237,641
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CURRENT GDP	\$285
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GNI per cap	\$1,550
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Annual GDP	\$ 5.8 %
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ARCHITECTURE LANDMARKS OF PAKISTAN



MINAR-E-PAKISTAN
LAHORE



ALHAMRA
LAHORE



MCB TOWER
KARACHI



HARBOUR FRONT
KARACHI



HABIB BANK
KARACHI



AKU HOSPITAL
KARACHI



ARCHITECTURE LANDMARKS OF PAKISTAN



LAHORE FORT
LAHORE



NOOR MAHAL
LAHORE



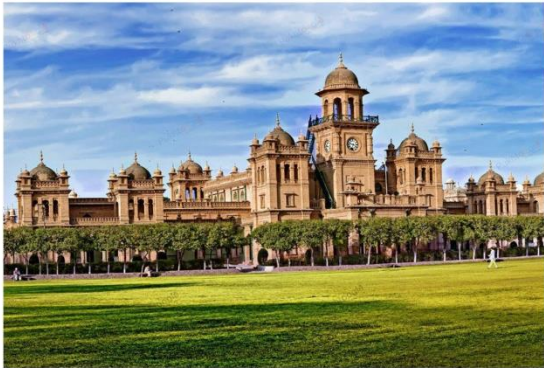
SHAH RUKHN-E-ALAM SHRINE
MULTAN



ARCHITECTURE LANDMARKS OF PAKISTAN



BALTIT FORT
HUNZA



ISLAMIA COLLEGE
PESHAWAR

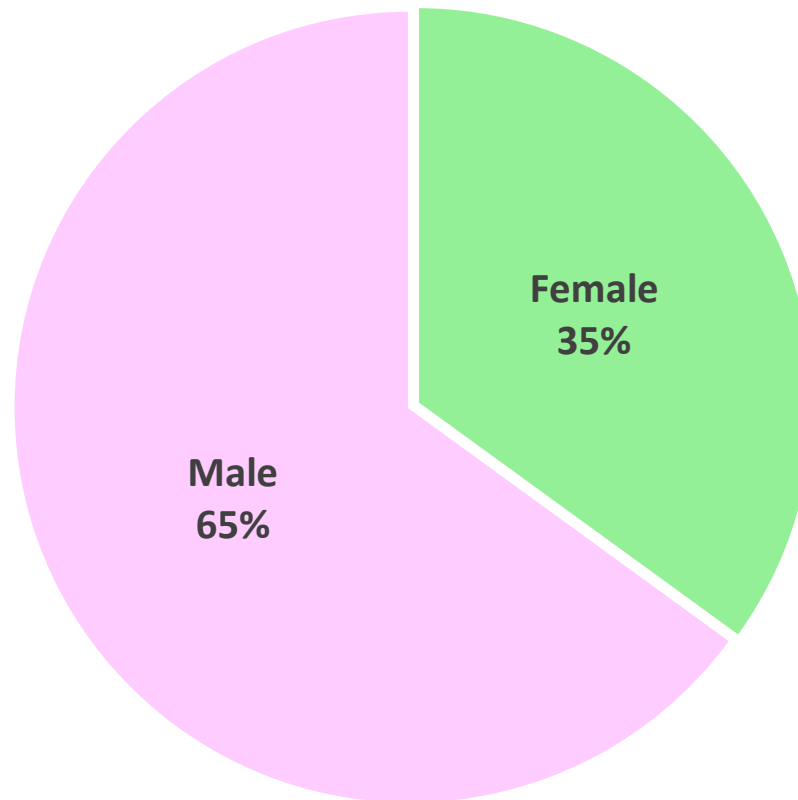


QUAID-E-AZAM RESIDENCE
ZIARAT



2-NUMBER OF ARCHITECTS

NUMBER OF REGISTERED ARCHITECTS



5,446 (as of April, 2016)
36,033 Architects per person

Data Source: <http://www.pcatp.org.pk>

3-NUMBER OF FIRMS

REGISTERED ARCHITECTURE FIRMS

As per Registration Record **72 Firms**

Data Source: <http://www.pcatp.org.pk>



Pakistan Council of Architects and Town Planners

This is to certify that

M/s. Zavia Architecture

is registered in the

Category-No Limit

as a Firm with the Council to perform all the
Architectural professional works as defined in Section 2(j) of
Pakistan Council of Architects and Town Planners Ordinance (IX of 1983).

In witness whereof the Common Seal has been
hereunto affixed by authority of the Council on the

13th day of May, 2014

Tahira S. Faghi
Registrar



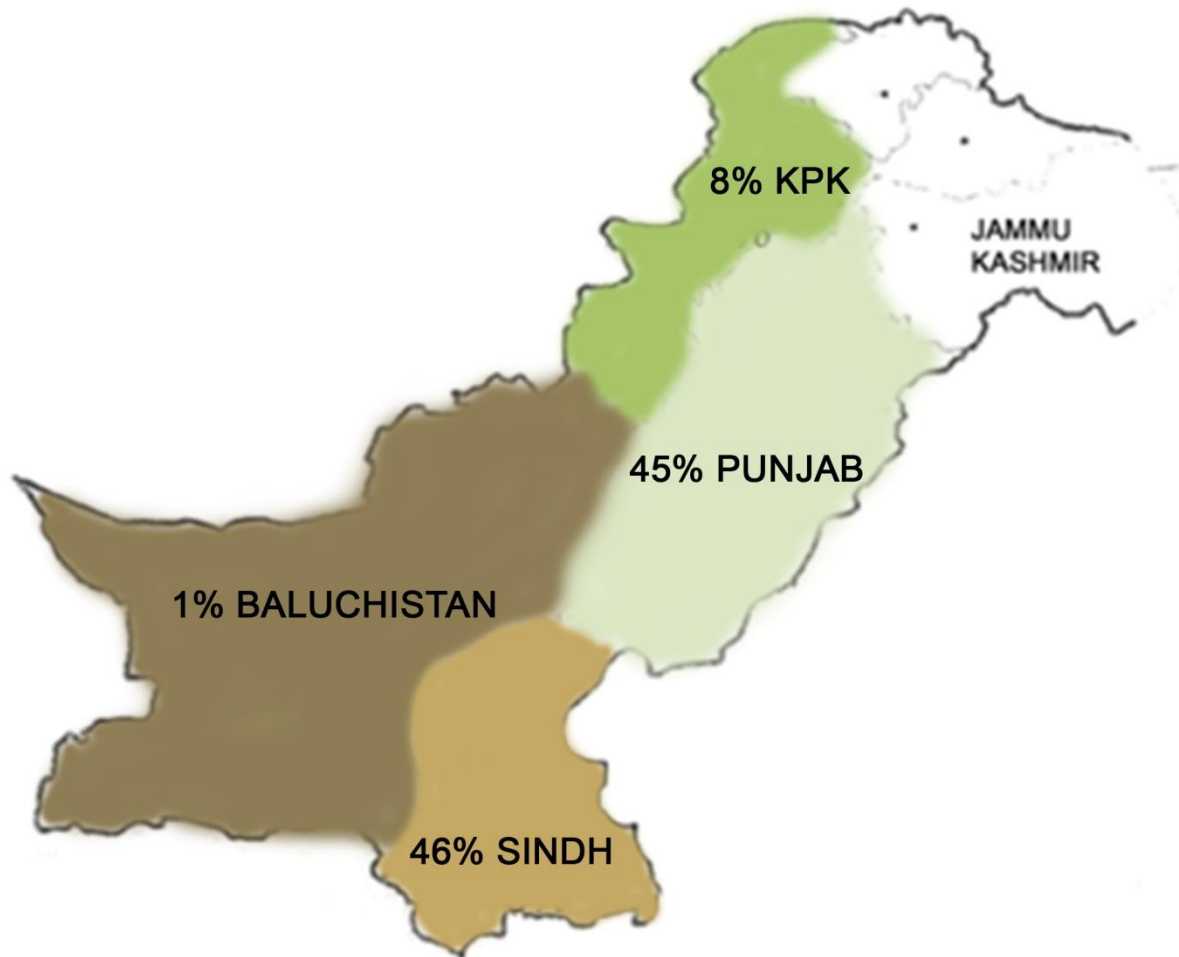
Muhammad
Chairman

Registration No.

FA/0009/2014/Category-No Limit

Validity of registration expires on 31st December (see overleaf)

GEOGRAPHICAL DISTRIBUTION



4-NUMBER OF REGISTERED ARCHITECTS

PAKISTAN COUNCIL OF ARCHITECTS AND TOWN PLANNERS - PCATP

IS A STATUTORY BODY ESTABLISHED BY THE GOVERNMENT OF PAKISTAN UNDER THE PAKISTAN COUNCIL OF ARCHITECTS AND TOWN PLANNERS ORDINANCE 1983 (ORDINANCE IX OF 1983) TO REGULATE THE PROFESSIONS OF ARCHITECTURE AND TOWN PLANNING IN PAKISTAN



AN **ARCHITECT** IN PAKISTAN IS A QUALIFIED BACHELORS OF ARCHITECTURE FROM RECOGNIZED INSTITUTE OF PCATP AND IS REGISTERED AT **PCATP** AFTER GRADUATION. THE PROFESSION MAY BE DIVIDED INTO TWO PARTS

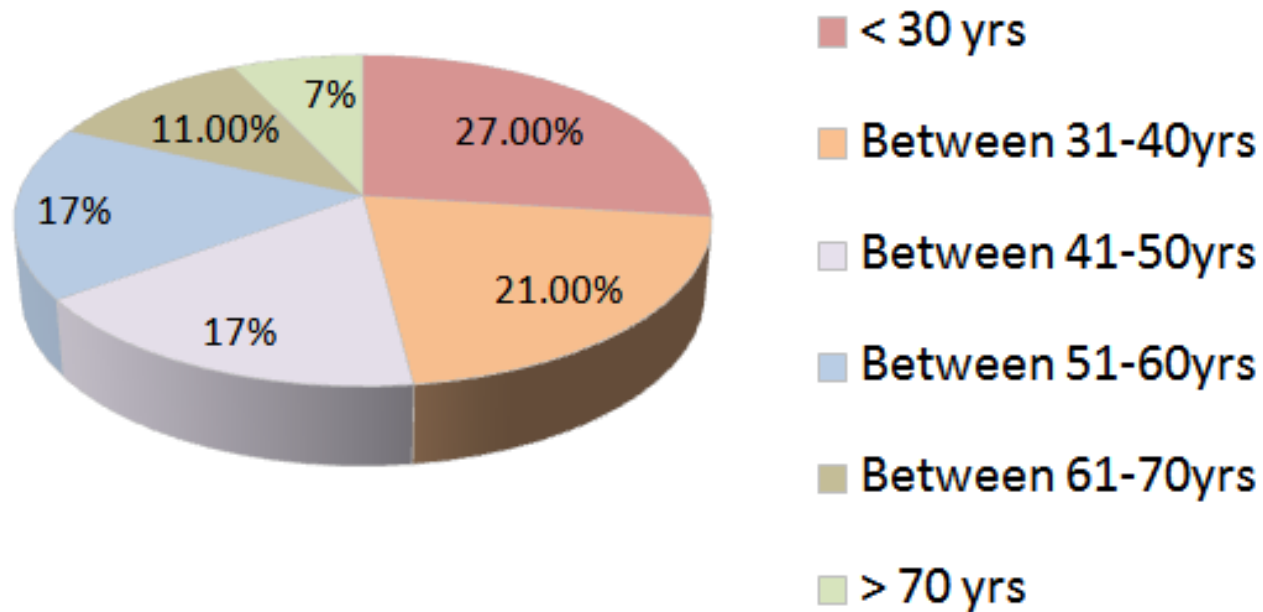
EDUCATION

PRACTICE

AGE OF REGISTERED ARCHITECTS

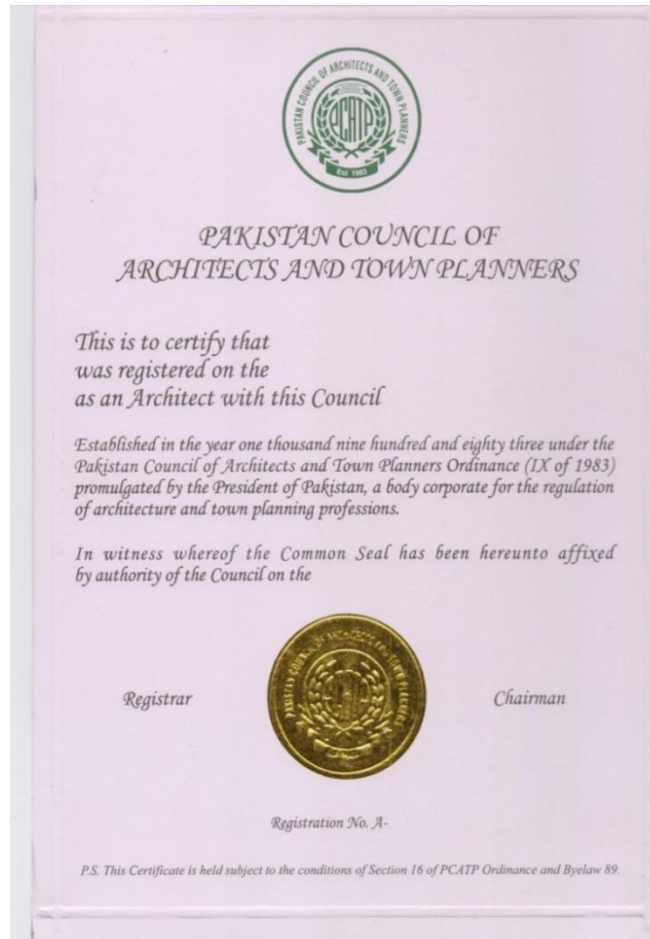
As per PCATP Data Of 5,446 Registered Architects

Data Source: <http://www.pcatp.org.pk>



REGISTRATION CERTIFICATE

THE TITLE OF ARCHITECT IS ONLY AWARDED TO REGISTERED PROFESSIONAL OTHERWISE IF AN ARCHITECT IS NOT REGISTERED WITH THE COUNCIL, LEGALLY CANNOT USE ARCHITECT TITLE



REGISTRATION PAGE & INFORMATION WEBSITE

30 Years
(1983-2013)

PAKISTAN COUNCIL OF
ARCHITECTS AND TOWN PLANNERS
(Ordinance IX of 1983)



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Sample Documents
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Ghani Clean

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Welcome to PCATP

"The Pakistan Council of Architects and Town Planners Ordinance 1983 has been promulgated with a view to give recognition and protection to the profession of architecture and town planning in Pakistan . The council has wide ranging powers and is authorized to perform all functions and to take steps connected with or ancillary to all aspects of the two professions including laying down standards of conduct, safeguarding interests of its members, assisting the Government and national institutions in solving national problems relating to the professions, promotion of reforms in the professions, promotion of education of these professions, reviewing and advising the Government in the matter of architecture and town planning education, etc."

The First Report of PCATP



Registration
Application Status



Newsletters

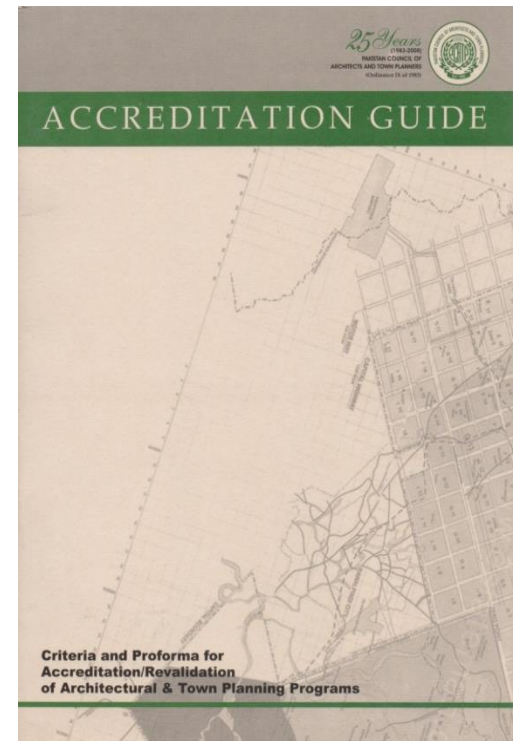
ANY OTHER FORMS AND DOCUMENTATION

PCATP HAND BOOK
ACCREDITATION GUIDE, CRITERIA AND
PROFORMA FOR
ACCREDITATION/REVALIDATION OF
ARCHITECTURE PROGRAMS

HAND BOOK

**Regulations
for the
Promotion and Conduct
of
Architectural Competitions**

**PAKISTAN COUNCIL OF ARCHITECT
AND TOWN PLANNERS**



5-FREE RUMENRATION PRACTICE

DEFINITION

The architect has to create a building considering building codes and client requirements and budgets, using their company's architectural language

ARCHITECTURAL SERVICES AND COMPENSATION

-PRELIMINARY SERVICES

- Work Stage A: Inception
- Work Stage B: Feasibility

BASIC SERVICES

- Work Stage C: Outline proposal
- Work Stage D: Final design proposal
- Work Stage E: Detailed architectural design
- Work Stage F: Information for bill of quantities and tenders
- Work Stage G: Tender action and project planning
- Work Stage H: Operation on site and completion of works

PREPARATION: PROJECT BRIEF AND APPRAISAL

-WORK STAGE A

- Client Management
- Site Visit
- Other Consultants
- Project Manager
- Fee Proposal

DESIGN: CONCEPT, DEVELOPMENT

WORK STAGE B

- Building Codes and Regulations

WORK STAGE C

- Construction cost for client approval

WORK STAGE D

- Amendments requested by clients
- Coordinate with consultants
- Submission for approval

WORK STAGE E

- Develop the final design
- Coordinate with consultants, structure and MEP, vertical transportation, façade and traffic management depending upon the scale of the project

DOCUMENTATION: TECHNICAL

WORK STAGE F

- Prepare specification of building and get ready for tender

APPROVALS

WORK STAGE G

With clients approval prepare a list of tenders, get bids and advise client on appointment of contractor

CONSTRUCTION

WORK STAGE H

- Regular site visits
- Complete works as per drawings and buildings codes

CLOSE- OUT

After completion as built drawings handed by contactor to Architect

PROCUREMENT

If owner supplied then procurement is through project manager on behalf of client,

If item rate then procurement is through contractor. All procurement to be approved by the architect

PROJECT MANAGEMENT

Hired by the client, at site for the duration of the project

QUALITY MANAGEMENT

The project manager and team at site ensure quality management, Architect will endorse quality during construction phase

FINANCIAL MANAGEMENT

Handled by the project manager on behalf of client.

CODES AND REGULATIONS

Codes specified and followed closely by the architect through the duration of the project

COPYRIGHT

Copyrights of all documents and drawings prepared by the Architect remains the property of the Architect

FEE PROPOSAL

The agreed fee between client and the architect may be divided as follows

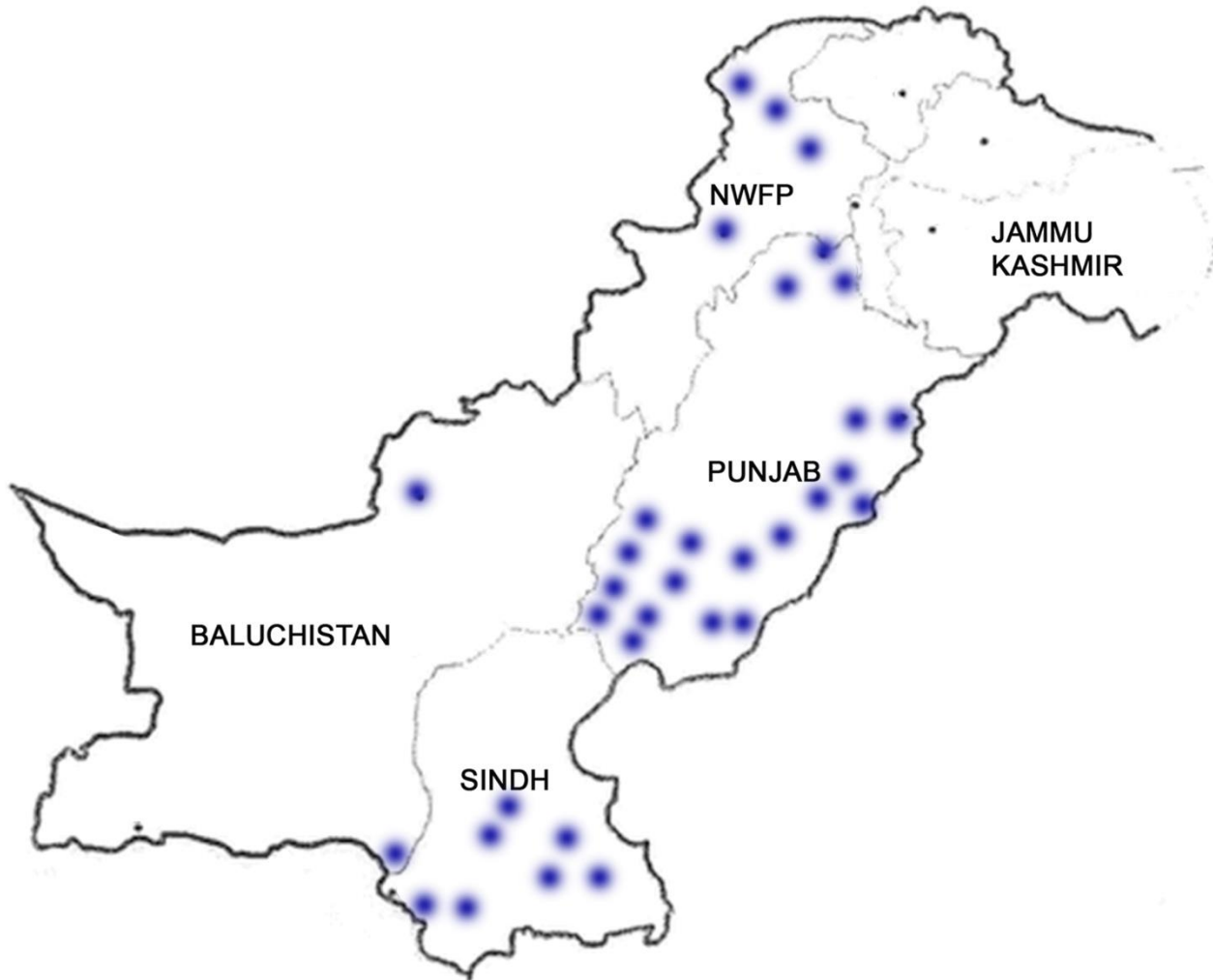
<u>Work Stage</u>	<u>Proportion of Fee</u>	<u>Cumulative</u>
UPFRONT	10%	10%
APPROVAL OF SCHMEATICS	10%	20%
APPROVAL FROM THE BUILDING CONTROL	10%	30%
DESIGN DEVELOPMENT	20%	50%
CONSTRUCTION DRAWING	20%	70%
TENDR DOCUMENT /CALLING OF BIDS	10%	80%
PAYMENT DURING CONSTRUCTION PHASE	20%	100%

6-THE EDUCATION

SUMMARY OF ACCREDITED UNDERGRADUTE PROGRAMS IN ARCHITECTURE

TOTAL NO. OF SCHOOLS	32
ACCREDITED	14
ACCREDITED ON HOLD	04
PROGRAMS RECENTLY PERMISSION GRANTED	08
PROGRAMS PERMISSION NOT GRANTED	06

UNIVERSITIES OFFERING BACHELOR DEGREE OF ARCHITECTURE



INTERNSHIP

We have mandatory Internship for 6 weeks in 3rd and 4th year, it is a graded course.

LICENSURE

Register at PCATP.

PROMOTION OF ARCHITECTURE

- A+I Magazines
- Archi Times Newspaper
- IAP Newsletter

7-CPD

CONTINUOUS PROFESSIONAL DEVELOPMENT

- CPD Program initiated in 2016. Pakistan Council of Architects & Town Planners formulated to run the CPD Program in the country.
- Currently, at educational institution level.
- Once properly implemented, the requirement will be;
 - Professionals under 60 years: 6 credit hours annually
 - Above 60 years 3 credit hours
- Professional bodies/ industrial quarters are being consulted to run the CPD Program.
- Currently, modalities for running the CPD Program in efficient manner are being framed. Different institutions are running their CPD Programs at local level.

8-LEGISLATION/REGUALTIONS FOR ARCHITECTS



PCATP
PAKISTAN COUNCIL OF ARCHITECTS AND
TOWN PLANNERS

THE LEGAL CONTEXT

Available in the regulation in the Pakistan Council of Architects and Town Planners (PCATP) handbook, (ADD ACT)

ARCHITECT'S ACT

“architect” means a person who holds any of the architectural qualifications and registered as an architect with the Council;

“professional architectural work” means

- Giving of professional advice and opinions
- Making of measurement and layouts of buildings,
- Preparation of feasibility and other reports,
- Production of concept
- Designing and planning in association with relevant professionals,
- Producing working , drawings and contract documents, specifications and BOQ,
- Inspection and supervision of works
- Issuing of certificates of such buildings and other works for which an
- Architect offers his professional services

EMPLOYMENT EQUITY

Typically the kind of firms we have are

Proprietorships

Partnerships

Private Limited and Freelancers

BUILDING REGULATIONS

Regulatory boards of building controls in all provinces

REGISTRATION BODY

Our registration Board is the Pakistan Council of Architects and Town Planners (PCATP)



REGISTRATION OF ARCHITECTURAL FIRMS

In 2013 firms were registered and are categorized by following categories as per their experience and number of projects

- No limit
- A
- B
- C

REGISTRATION CERTIFICATE FOR ARCHITECTURE FIRM

-ARCHITECTURE FIRMS IN PAKISTAN ARE
REGISTERED BY PCATP JUST LIKE INDIVIDUAL
ARCHITECTS ARE REGISTERED BY PCATP



Pakistan Council of Architects and Town Planners

This is to certify that

M/s. Zavia Architecture

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Category-No Limit

as a Firm with the Council to perform all the
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13th day of May, 2014

Tahirov. S. Fazli
Registrar



Imdad
Chairman

Registration No.
FA/0009/2014/Category-No Limit

Validity of registration expires on 31st December (see overleaf)

VOLUNATRY ASSOCIATION

IAP, INSTITUTE OF ARCHITECTS, PAKISTAN



THE PRACTICE

STRUCTURE

-LEGAL STRUCTURE

Have a legal advisor for managing contracts and legal formalities

-OPERATIONAL STRUCTURE

Hire an Legal advisor for

- Contracts
- Payments and Fee Collection
- For managing company accounts
- To help you with the taxes and for various banking issues

ESTABLISHMENT

-STARTING

Register at PCATP (mandatory) and IAP (Optional)



-MISSION, VISION, BRAND AND VALUES

Define your brand and create an Architectural Language and follow it passionately

-PREMISES

Acquire adequate premises in a central location with plenty of parking for employees and clients

-AIDS; INFORMATION; FURNITURE; HARDWARE; SOFTWARE; VEHICLES

Procure adequate furniture and computers for

AutoCAD stations

Printers/plotters

Meeting room with multi-media for presentations and design discussions

-PROFESSIONAL PRODUCTS

Create a sample room and have suppliers drop off various finish products and brochures.

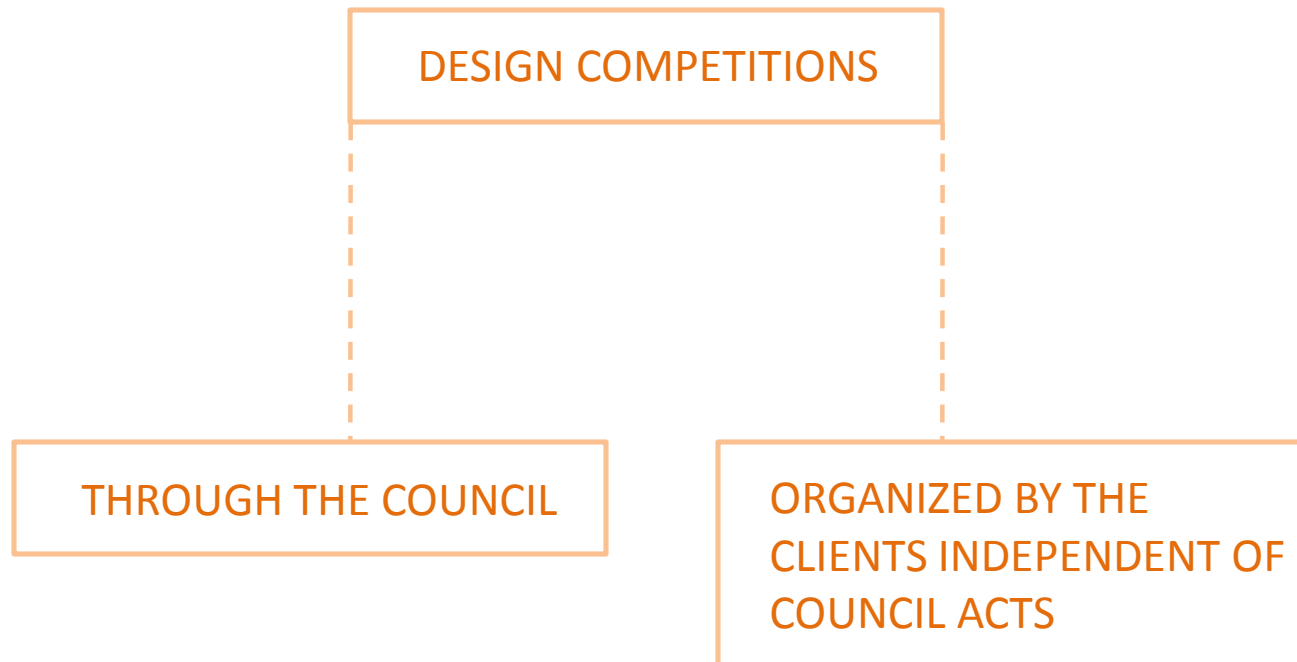
-CLIENTS

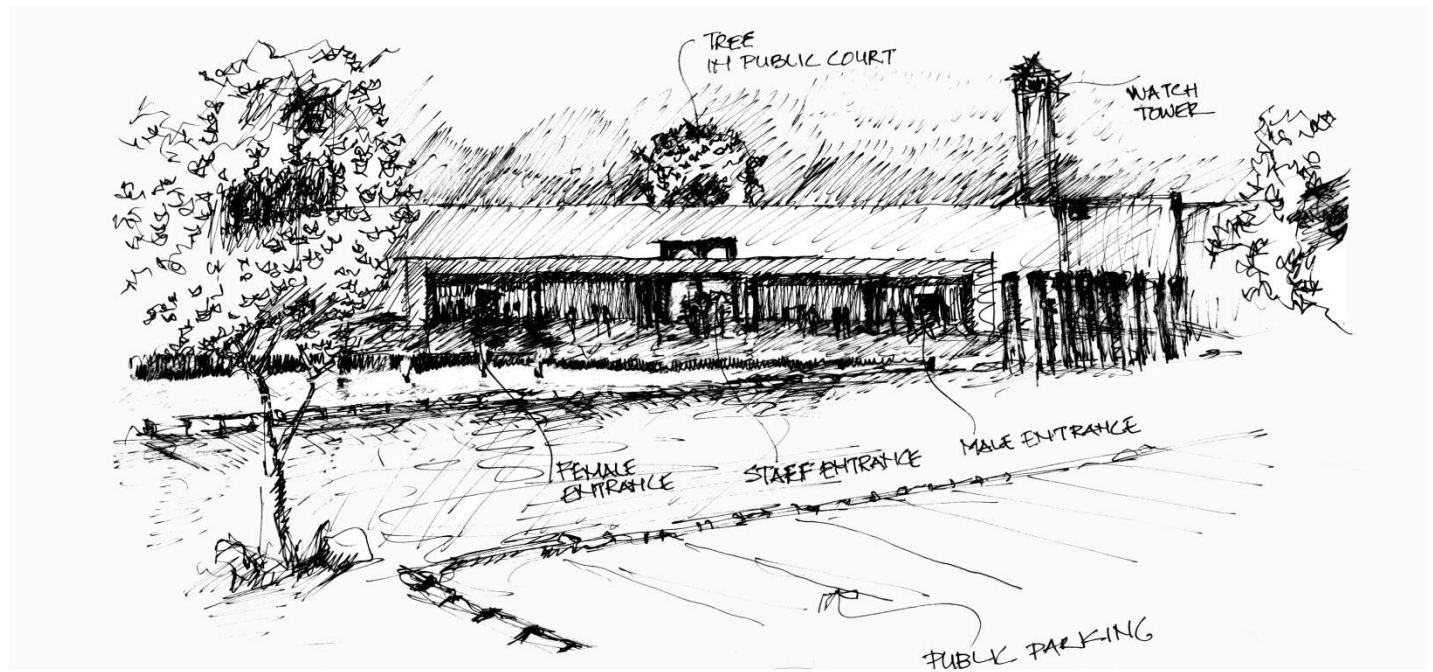
Generally people who come across your work and people you know or through referrals from friends and family

-ACQUIRING WORK

Running your own firm means you are working around the clock !

- You need to socialize with the clients
- Take part in competitions





COMPETITION ENTRY EXAMPLE

-MODEL PRISON, ISLAMABAD

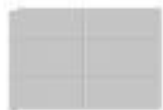
MATERIALS

LEGEND:

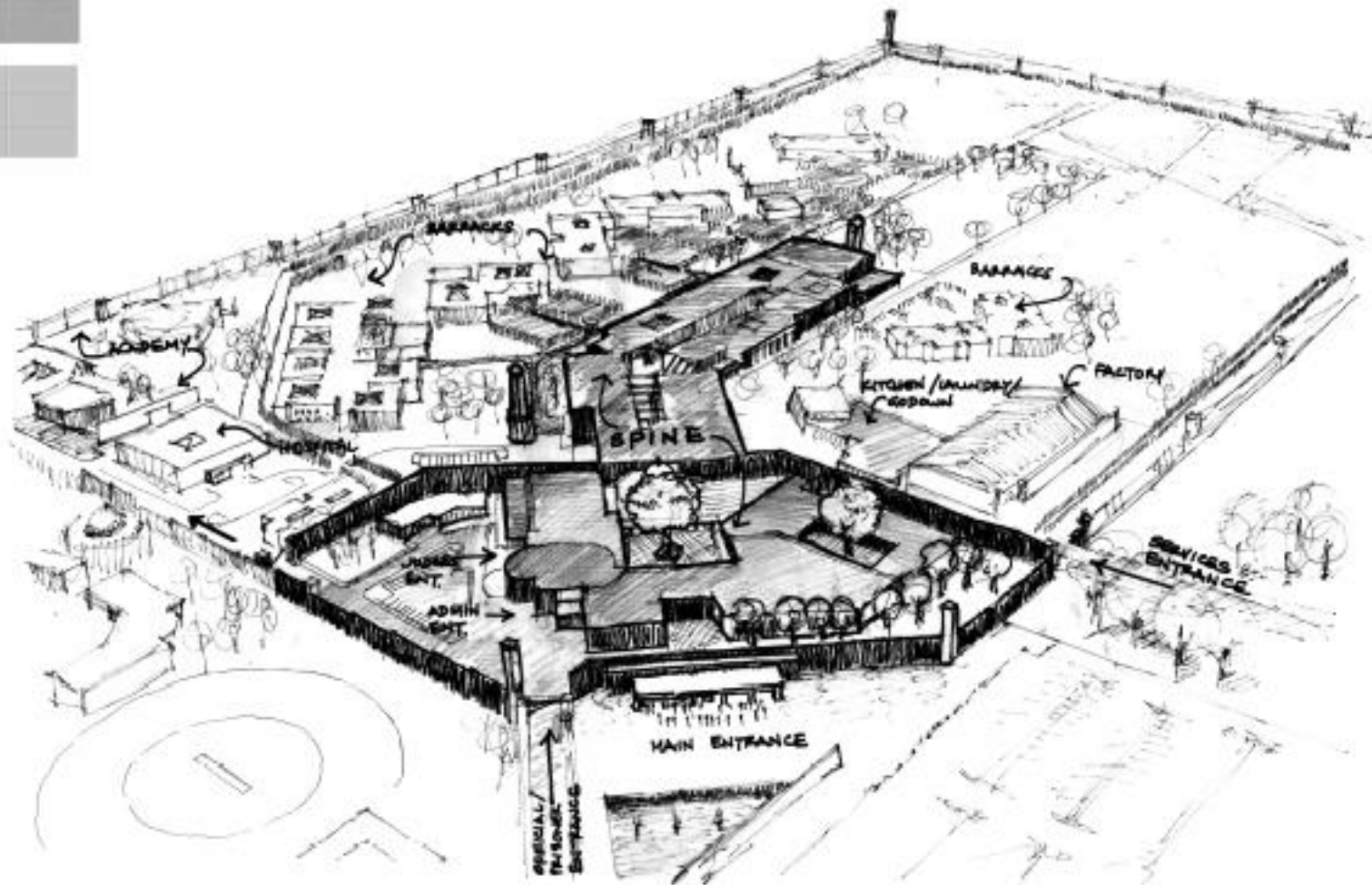
SAND BLASTED
TERRAZZO FINISH



FAIRFACE
PLASTER FINISH



CONCEPT SKETCH



-RESEARCH

Keep updated on the times by constantly studying the work of architects you admire

-STRATEGIC PLANNING

Create an adequate business model pertaining to your company

MANAGEMENT

-FINANCIAL MANAGEMENT

Generally companies are owner funded with an option of bank credit limit and running finance

-HUMAN RESOURCE MANAGEMENT

Advertising via

- Internet or Newspaper,
- Interview Process and selection,
- Appointment letter for 3 month probation period,
- Confirmation letter,
- Amenities include Annual leave, medical insurance and provident fund,
- Resignation 30 days to 3 months notice.

-RISK MANAGEMENT

- Professional Indemnity insurance
- Building insurance: equipment and office furniture insurance
- Key personal insurance: car insurance or car handling insurance

-DISPUTE RESOLUTION

Third party arbitration followed by legal proceedings if necessary in accordance with Arbitration Act 1940 and Rules made there under

MEASUREMENT

-PROJECT REVIEWS

Practice and project reviews within your own design team

-ISO 9002

Use codes as a guideline for quality , safety and maintenance design

-QUALITY MANAGEMENT SYSTEM

Project manager on site representing the clients

SUCCESSION

Generally architecture practice in Pakistan is proprietorship with succession going to the person you choose to appoint

CROSS BORDER PRACTICE

ARCHITECTS IN THEIR INDIVIDUAL CAPACITY WORK OVERSEAS AND PROVIDE CONSULTANCY SERVICES.

PAKISTAN DOESN'T HAVE ANY CONTRACT WITH OTHER COUNTRIES FOR THE EXCHANGE OF SERVICES. HOWEVER ANY ONE WHO REQUIRES TO PRACTICE IN PAKISTAN, HAS TO REGISTER WITH PCATP FOR THE TEMPORARY LICENSE.

ISSUES AND CHALLENGES FACED BY ARCHITECTS

- Construction company is dominated by engineers
- Government regulations most of the time support Engineering firms
- General awareness among the people, they think Architects and Engineers are the same due to literacy level
- Professional ethics are not followed
- Non-professional architects working in profession
- Architecture education standard is suffering due to shortage of trained faculty

THE AGREEMENT

MEMORANDUM OF AGREEMENT

Between Client and Architect for use with PCATP Architect's appointment.

This Agreement is made on the ___ day of.....between (name of client) of (hereinafter called the 'Client') and (name of architect or firm of architects) of (hereinafter called the 'Architect')

Now it is hereby agreed that upon the Condition in Parts 3 and 4 of the Architect's engagement, a copy of which is attached hereto, save excepted or varied by the parties hereto in the attached Schedule of Services and Fees, hereinafter called the 'Schedule', and subject to any special conditions set out or referred to in the Schedule:

1. the Architect will perform for the Client the services listed in the Schedule in respect of
(general description of project)
at
(location of project)
2. the Client will pay the Architect on demand for the services, fees and expenses indicated in the Schedule:
3. consultants will be appointed as indicated in the Schedule;

3. consultants will be appointed as indicated in the Schedule;
4. site staff will be appointed as indicated in the Schedule;
5. any difference or dispute arising out of this Agreement shall be referable to arbitration in accordance with clause 3.26 of the above mentioned Architect's Engagement.

As Witness the hands of the parties the day and year first above written

Signature: Client

Architect

Witnesses: Name

Name

Address

Address

Description

Description

SCHEDULE OF SERVICES AND FEES

Referred to in the Memorandum of Agreement dated between (insert name of client) and (insert name of architect or firm of architects) for (insert description of project) Unless otherwise stated in the services listed in S1, the conditions of engagement and the basis of fee calculation, will be as described in the Architects' Engagement (Parts 3 and 4) issued by the Pakistan Council of Architects and Town Planners.

Clause reference relate to that document.

S1-SERVICES

Service	Clause	Fee basis (State whether percentage, time or lump sum)
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Preliminary Services

Basic Services

Other Services

S2-SPECIAL CONDITIONS

(Insert any conditions other than those in Parts 3 and 4 which are to apply to the appointment).

S3-CONDITIONS NOT TO APPLY

(Insert any clauses in Parts 3 and 4 which are NOT to apply to this appointment)

S4-PERCENTAGE FEES

(Fees based on a percentage of the total construction cost shall be calculated as follows

S5-LUMP SUM FEES

(Lump sum fees shall be as follows

S6-INTERIM PAYMENTS

Interim payments for percentage fees shall be paid at the completion of work stages as follows:

Work stage	Proportion of fee	Cumulative total
C		
D		
E		

E

F

G

H

Fees in respect of work stage H shall be paid in installments proportionate to the work completed or the value of works certified.

S7-TIME CHARGE FEES

Rates for fees charged on a time basis shall be:

1. For principals: Rs.....Per hour

Adjustments in the above rates shall be made at intervals of not more than 12 months on the following basis:

2. For staff: Paisa per Rs. 100 of gross annual income for office based staff.

Paisa per Rs. 100 of gross annual income for site based staff.

S8-EXPENSES AND DISBURSEMENTS

The fees charged in accordance with S1 and S4 to S7 above are inclusive of all expenses and disbursements

Or

*Expenses and disbursements shall be charged in accordance with Part 4, clauses 4.28 to 4.30

S8-EXPENSES AND DISBURSEMENTS

The fees charged in accordance with S1 and S4 to S7 above are inclusive of all expenses and disbursements

Or

*Expenses and disbursements shall be charged in accordance with Part 4, clauses 4.28 to 4.30

Mileage rates shall be:

Adjustments in the above rates shall be made on the following basis:

*Delete whichever is inapplicable

S9 CONSULTANTS

The following consultants shall be appointed by the Client:

S10 SITE STAFF

The following site staff shall be appointed:

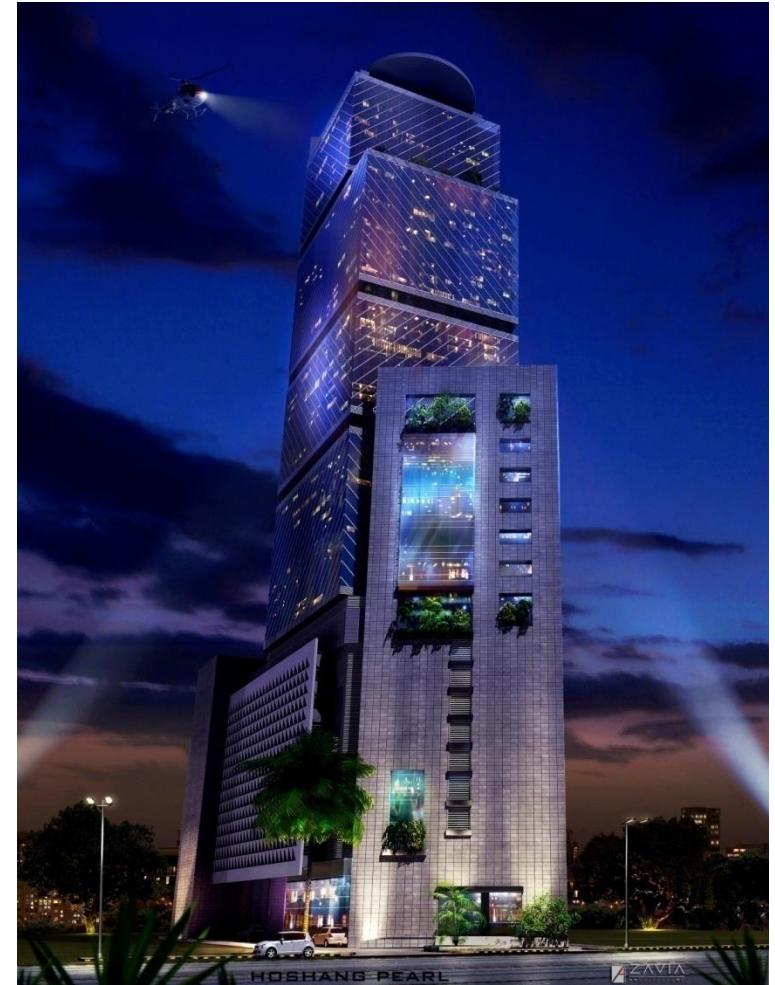
1. by the Client
2. by the Architect

Signed:

(Client)

(Architect)

Date



SAMPLE MINUTES OF MEETING -HOSHANG PEARL TOWER, KARACHI

CONSTRUCTION OF HOSHANG PEARL TOWER, KARACHI
Minutes of Meeting – Design and Progress Meeting # 51 Dated October 13th, 2015

Project : Hoshang Pearl Tower, Civil Lines, Karachi
 Venue : Conference Room, Ground Floor, Bahria Icon, Clifton, Karachi
 Date : October 13th, 2015
 Time : 11:00 Hrs

Participants:

Owner's Representative, Galaxy Constructions (Pvt) Ltd (GCPL):

- > Mr. Sajid Usmani (SU) – Project Director
- > Noman Akbar Ellahi (NAE) – Resident Engineer.
- > Mr. Asim Ullah Khan (AUK) – Project Engineer.
- > Mr. Asif Hussain (AH) – Senior Electrical Engineer
- > Mr. Jamal Ahmed Siddiqui (JAS) – GM MEP
- > Mr. Yasir Shafiq (YSH) – Manager IT

Project Manager, AAA Partnership (Pvt) Ltd (AAA):

- > Mr. Ariff Ul Islam (AUI) – CEO
- > Mr. Shabbir Hasan Jilani (SHJ) – SRE
- > Mr. Syed Samiuddin Ahmad (SSA) – SRE (OPAL 225)
- > Mr. Kamran Ul Haq (KH) – MEP Manager.
- > Mr. Muhammad Nasir (MN) – Resident MEP In-charge.
- > Mr. Jown Abbas Zaidi (JAZ)

Architect, Zavia Architecture (ZA):

- > Mr. Najmi Hassan (NH) – Project Architect.
- > Mr. Ameer Ahmed (AA), Project Architect

HVAC Consultant, Y.H. Associates (YHA):

- > Mr. Fahad Hasan (FH) – Project Consultant
- > Hasan Rizvi (HR) – Mechanical Engineer.

Plumbing Consultant, Matrix Consultant (MC):

- > Mr. Yunus Sheikh (YS) – Plumbing Consultant

Electrical Consultant, A.S. Consultants (ASC):

- > Did not participate.

Lead 'Structural Works' Contractor, Paragon Constructors Pvt. Ltd. (PCL)

- > Mr. Jawwad Ashfaq (JA) – Senior Project Manager

Plumbing & Fire Fighting Contractor, A & J Associates (A&J)

- > Mr. Abid Khan (AK) – Director.

Electrical and ICT Works Contractor - Power Professionals & Engineer (PPE)

- > Mr. Muhammad Rehan (MR) – Site Engineer.

CONSTRUCTION OF HOSHANG PEARL TOWER, KARACHI
Minutes of Meeting – Design and Progress Meeting # 51 Dated October 13th, 2015

THESE MINUTES OF THE MEETING SHALL BE CONSIDERED AS ACCEPTABLE BY ALL THE PARTICIPANTS IF NO COMMENTS ARE RECEIVED WITHIN THREE (3) DAYS FROM ISSUANCE OF THESE MINUTES.

S. No	Proceedings	Action By	Action Date/ Priority/Remarks
	The meeting started with the recitation from the verses of HOLY QURRAN thereafter, acceptance given to the last minutes of meeting that held on September 29, 2015.		
1	PANORAMIC ELEVATORS: ZAVIA to send location plan and details to ThyssenKrupp for the shop drawings of proposed elevator which will be sent to WSP by John Ashtroff for structural changes.	ZAVIA / BT-PDD	Very High
2	FACADE: a) GCPL asked for detailed presentation of various options that are being considered by end of October 2015. b) ZAVIA to work out and provide details of Facade for Parking Floors.	ZAVIA	Very High
3	ID & Mock-Up: a) ID Works contract is in review at AAA and GCPL end. b) ZAVIA is under process of selection, costing etc of various items involved. GCPL asked for conceptual presentation to be given to Mr. Zain Malik, date of which will be shared by ZAVIA. c) Timeline for mock-up detailing to be provided by ZAVIA at earliest.	ZAVIA	Very High
4	VERTICAL TRANSPORTATION: a) ZAVIA to provide RFP of VT system. b) AAA to arrange Third Party Vetting of VT system.	ZAVIA / AAA	High
5	BMU: a) ZAVIA has shared details to Jinnah Imtiaz and asked for Concept Plan. b) Separate meeting requested for BMU. ZAVIA to schedule that meeting.	ZAVIA	High
6	BMS: a) YHA (FH) will give presentation on Friday October 16 th , 2015 at 1500 hrs. for proposed BMS	YHA	Medium
7	PARKING MANAGEMENT SYSTEM: Need for Parking Management System was emphasized especially for Basement Floors for which proposal is requested by ZAVIA.	ZAVIA	Very High
8	INTERNAL TRAFFIC STUDY: Decision is made to take Ashar Lodhi (Exponent	GCPL / AAA	High