

**PRE-QUALIFICATION OF CONSTRUCTOR FIRMS FOR  
CIVIL WORKS AT UET TAXILA MAIN CAMPUS AND UET  
TAXILA SUB CAMPUS CHAKWAL BALKASSAR SITE**



## **1.0 INTRODUCTION**

### **1.1 Advantages of Prequalification**

Pre-qualification is an assessment made by the Employer, of the appropriate level of experience and capacity of firms expressing interest in undertaking a particular contract, before inviting them to bid. Pre-qualification of constructors is very useful for the Employer (also to the constructors) to carry out selection of firms for award of contracts. The basic aim of the prequalification is intended to eliminate, early in procurement proceedings, Constructors that are not suitably qualified to perform the Contract. Also sometimes Constructors are reluctant to participate in procurement proceedings for high value Contracts, if the competitive field is too large and where they run the risk of having to compete with unrealistic tenders submitted by unqualified or disreputable Constructors. Furthermore, the Prequalification is the basic tool to:

- (i) Encourage realistic bids by the Bidders because they know that they are competing against qualified bidders who have cleared the minimum competence criteria;
- (ii) Assess the interest of the prospective bidders in the bidding process;
- (iii) Make any adjustments/modifications in the bidding documents if a pointer is available from the lack of interest by the prospective bidders applying for prequalification;
- (iv) Reduce the effort and so the time in evaluation of bids from un-qualified bidders;
- (v) Help the bidders to evaluate and take stock of their capability and consequently to form joint ventures with other firms;
- (vi) Reduce the problems associated with low priced bids from bidders of doubtful capability and;
- (vii) Help the bidders who are insufficiently qualified to avoid the expense of bidding.

### **1.2 Recapitulation**

To recapitulate the afore-given, the pre-qualification specifically means selection of competent bidders prior to issuance of the invitations to bid. It is required for large or complex works, in certain cases for custom designed equipment and specialized services. Pre-qualification is also helpful for providing a chance for selection of smaller constructors under "Slice and Package" system of tendering. Pre-qualification is also useful in saving the employers from numerous un-necessary problems.

## 2.0 INVITATION FOR PRE-QUALIFICATION

Date: \_\_\_\_\_

Contract No. \_\_\_\_\_

1. The University of Engineering & Technology Taxila (Employer) has been entrusted by the Higher Education Commission and has provided funds to finance the cost of works at UET Taxila Main Campus /UET Taxila Chahwal Campus (Balkasar Site) for project “Commencement of 4 Years Undergraduate Program in Water Resources Engineering and Petroleum Engineering at UET Taxila“ to eligible payments under the contract(s) for which this Invitation for Pre-qualification is issued.
2. The University of Engineering & Technology Taxila hereinafter the “Employer”; intends to prequalify constructors for the following Works and Services under above mentioned project:
  - a. Academic Block at UET Taxila Main Campus. Covered Area: 44177 sq. ft.
  - b. Academic Block at UET Taxila Chakwal Campus (Balkasar Site) Covered Area 43029 sq.ft.
  - c. Hostel for 200 Foreign Students at UET Taxila Main Campus Covered Area 38495 sq.ft.
  - d. Hostel for 100 Students at UET Taxila Chakwal Campus (Balkasar site) Covered Area 20318 sq.ft.
  - E Hostel for Female Students UET Taxila Main Campus Covered Area 20318 sq.ft.
  - f. Boundary Wall UET Taxila Main Campus measuring 9920 rft. (Retaining wall along nullah + general masonry)
  - g. Internal site Development UET Taxila/UET Taxila Chakwal Campus (Balkasar Site). Consisting of Electrical, Sewerage, Water Supply, Gas Supply, Parking Area Development & Parking Sheds, Footpaths, Roads, Landscaping, etc.
3. It is expected that Invitation to Bid will be issued by September 2016. However, Employer reserves the right to invite bids in phases for individual works and services, if so desired.
4. Pre-qualification is open to constructors who are registered with PEC in Category C-3 and above for Construction and Operation of Engineering Works, described in Para 2 mentioned herein above. Applications may be submitted for pre-qualification for the above Works and Services.
5.
  - a. Appropriate category PEC registered constructors may obtain the prequalification documents from the office of the Deputy Director, Planning & Development Branch University of Engineering & Technology Taxila Main Campus Taxila by presenting a bankers cheque of non-refundable amount of Rs. 2000.00 in the name of “Treasurer UET Taxila” payable at HBL UET Taxila Branch.
  - b. This Pre-qualification document is also available on UET Taxila web site [www.uettaxila.edu.pk](http://www.uettaxila.edu.pk) and PPRA Punjab web site [www.ppra.punjab.gov.pk](http://www.ppra.punjab.gov.pk).

Document can be down loaded, completed and submitted with Bankers' cheque for non-refundable amount of Rs. 2000.00 in the name of "Treasurer UET Taxila" payable at HBL UET Taxila Branch.

6. A minimum requirement for pre-qualification will be to have successfully completed 5 projects of similar nature, complexity and magnitude during the last ten years.
7. Applications for Pre-qualification must be delivered in sealed envelopes by hand or through registered mail/Courier Service, to:-

Deputy Director Planning & Development Branch University of Engineering & Technology Main Campus Taxila not later than 1200 hours on 20-07-2016

Sealed Envelope be clearly marked:

Application for Pre-qualification of Constructors for Civil Works & Services for Project

"Commencement of 4 Years Undergraduate Program in Water Resources Engineering and Petroleum Engineering at UET Taxila".

8. a. University of Engineering & Technology Taxila(Employer) may, if consider appropriate, form the packages of the works & services mentioned in Para 2 above.  
  
c. Constructors will be pre-qualified for individual works and services and shall also stand pre-qualified for any package formed through combination of works & Services mentioned in Para 2 herein above, if so desired by the Employer.
9. Applicants will be informed, in due course, of the result of the evaluation of applications submitted for Pre-qualification.
10. Only the firms of constructors prequalified under this process will be invited to bid.

### **3.0 INSTRUCTIONS TO APPLICANTS**

#### **3.1 Submission of Applications**

3.1.1 Applications for pre-qualification (one original and one copy) must be received in sealed envelopes to be delivered by hand or through registered mail/Courier to:-

Project Director

“Commencement of 4 year Undergraduate Program in Water Resources Engineering and Petroleum Engineering at UET Taxila” Planning & Development Branch University of Engineering & Technology Taxila not later than XX-YY- 2016 and be clearly marked “Application for Pre-qualification” for Civil Works and Services Commencement of 4 year Undergraduate Program in Water Resources Engineering and Petroleum Engineering at UET Taxila.

The Employer reserves the right to accept or reject the late applications.

3.1.2 The name and mailing address of the Applicant shall be clearly marked on left hand corner on the envelope.

3.1.3 The applications shall be prepared in the English language. Information in any other language shall be accomplished by its translation in English. Employer reserves the right to reject application for Pre-qualification in case of non-compliance of the requirement.

3.1.4 The Applicants must respond to all questions and provide complete information as advised in this document. Any lapses to provide essential information may result in dis-qualification of the Applicant.

3.1.5 The clarification meeting will not be held. Clarification if required may be asked by post/other communication means.

3.1.6 The constructors duly pre-qualified and not pre-qualified shall also be informed accordingly.

## 3.2 Qualification Criteria

### 3.2.1 General

Pre-qualification will be based on the criteria regarding the Applicant's Financial Soundness, Experience Record, Personnel Capabilities and Equipment Capabilities as demonstrated by the Applicant's responses in the forms attached to this letter. The Employer reserves the right to waive minor deviations, if these don't materially affect the capability of an applicant to perform the contract. Sub-contractor's experience and resources shall not be taken into account in determining the Applicant's compliance with the qualifying criteria.

Sr. No.	Category	Weightage
1.	Financial Soundness	30
2.	Experience Record	35
3.	Personnel Capabilities	15
4.	Equipment Capabilities	20
	<b>Sub-total:</b>	<b>100</b>

*Note: Prequalification status shall be decided on the basis of Pass/Fail basis. The applicant must secure at least 50% score in each category.*

The further detailed criteria for each category are as given under the each head as follows:

### 3.2.2 General Experience

Credit points for experience shall be awarded on the basis of following qualifications:

Sr.No.	Description	Maximum Points
a.	Projects of similar nature and complexity completed over latest 10 years.	15
b.	Projects of similar nature and complexity in hand.	07
c.	Experience of Works) related to project but not basic part.	5
d.	Performance Certificates issued by the Clients	5
e.	Status of enlistment with Government Organizations and other agencies.	03
	<b>Sub-total:</b>	<b>35</b>

### 3.2.3 Personnel Capabilities

Credit Points shall be awarded under this category using the following criteria:

<b>Sr.No.</b>	<b>Description</b>	<b>Maximum Points</b>
a	Graduate Engineers Registered with PEC	6
	a) Number of Engineers	3
	b) Experience of Engineers in number of years	3
b	Number of Diploma Engineers in Employment of the Firm	4
	a) Number of Engineers	2
	b) Experience of Engineers in number of Years.	2
	<b>Sub-total:</b>	<b>15</b>

### 3.2.4 Equipment Capabilities

Credit Points shall be granted on the basis of the following criteria for various kinds of equipment relevant for the Project:

<b>Sr.No.</b>	<b>Equipment Type and Characteristics</b>	<b>Maximum Points</b>
1.	Scaffolding Pipe 100,000 R/feet and above	5
2.	Steel Form Work (Shuttering) Assorted Size 100,000 Sq.ft. and above	5
3.	Concrete Mixer 1Bag	Min: 6 2
4.	Auto Level	Min :1 1
5.	Hoist Machine 40 feet Tower	Min: 3 1
6.	Concrete Vibrator	Min: 4 1
7.	Steel Cutting & Bending Machine	Min: 1 2
8.	Water Bouser	Min:1 1
9.	Mechanical Compactor	Min: 2 1
10.	Other Tools such as water pumps, tractor, trolleys, etc.	1
	<b>Sub-total:</b>	<b>20</b>



### 3.2.5 Financial Position

Credit Points shall be awarded on the basis of the following criteria:

<b>Sr.No.</b>	<b>Description</b>	<b>Maximum Points</b>
a	Available Bank Credit Line	3
b	Working Capital in last 3 years.	10
c	Registration with Income Tax Department	5
d	Litigation History where decision went against the Firm.	5
e	Blacklisting from any Agency	5
f	Valid License for other related items of Work	2
	<b>Sub-total:</b>	<b>30</b>

### 3.3. Joint Venture (JV)

3.3.1 Joint Venture must comply with the following requirements:-

- a. Following are minimum qualification requirements:-
  - i. The lead partner shall meet not less than 40 percent of all qualifying criteria given in this document.
  - ii. Each of the partners shall meet not less than 25 percent of all the qualifying criteria given in this document.
  - iii. The joint venture must collectively satisfy the criteria of paras 3.2, 3.3 and 3.4, for which purpose the relevant figures for each of the partners shall be added together to arrive at the JV's total capacity. Individual members must satisfy each of the requirements of paras 3.5 and 3.6 heretofore.
- b. Any change in a prequalified JV after prequalification, shall be subject to the written approval of the Employer prior to the deadline for submission of bids. Such approval may be denied if:-
  - i. Partner(s) withdraw from a JV and remaining partners do not meet the qualifying requirements;
  - ii. The new partners to a JV are not qualified individually or as another JV; or
  - iii. In the opinion of the Employer, a substantial reduction in competition would result.
- c. Bid shall be signed by all members in the JV so as to legally bind all partners, jointly and severally, and any bid shall be submitted with a copy of the JV agreement providing the joint and several liability with respect to the contract.

3.3.2 The prequalification of a JV does not necessarily prequalify any of its partners individually or as a partner in any other JV or association. In case of dissolution

of a JV, each one of the constituent firms may prequalify if they meet all the pre-qualification requirements and any partner of J.V has requested /shall request for the same and then his prequalification shall be subject to the written approval of the Employer.

### **3.4 Conflict of Interest**

The Applicant (including all members of a JV) must not be associated, nor have been associated in the past, with the consultant or any other entity that has prepared the design, specifications, and other prequalification and bidding documents for the project, or was proposed as Engineer for the contract, over the last five years. Any such association may result in disqualification of the Applicant.

### **3.5 Updating Prequalification Information**

Bidders shall be required to update the financial, personnel and equipment information used for prequalification at the time of submitting their bids, to confirm their continued compliance with the qualification criteria and verification of the information provided at the time of pre-qualification. A bid shall be rejected if the Applicant's qualification thresholds are no longer met at the time of bidding.

### **3.6 Other Factors**

3.6.1 Only firms and JVs that have been pre-qualified under this procedure shall be invited to bid. A qualified firm or a member of a qualified JV may participate only in one bid for the contract. If a firm submits more than one bid, singly or as a JV, all bids including that bid will be rejected. This rule will not apply in respect of bids which include specialist sub-contractors who are used by more than one bidder.

3.6.2 Employer reserves the right to:-

- a. Amend the scope and value of any contract(s) to be bid, in which event he bidder(s) will only bid among those prequalified bidders who meet the requirements of the contract(s) as amended. However the Employer has to review the disqualified bids who originally do not meet the specified criteria for Pre-qualification.
- b. Reject or accept any application; and
- c. Cancel the prequalification process and reject all applications.

The Employer shall neither be liable for any such actions nor be under any obligation to inform the Applicant of the grounds for rejection, however, may be debriefed if solicited.

3.6.3 Applicants will be informed in writing by fax or mail within 42 days of the date for submission of applications (Para 8 of Chapter 2.0, Invitation for Prequalification) of the result of their applications and may be debriefed if solicited.

## EVALUATION CRITERIA

Applicants meeting the minimum requirements mentioned in Para 3.2 besides other factors shall be considered for pre-qualification. No compromise shall be made on minimum requirements **of 60% score in each category.**

## **ANNEXURES**

**Annexure “A” :**                   **Various Forms**  
**Annexure “B”:**                   **Points Awarding Criteria**

Letter of Application

Date:.....

To: .....

Sirs,

1. Being duly authorized to represent and act on behalf of ..... (hereinafter "the Applicant"), and having reviewed and fully understood all the prequalification information provided, the undersigned hereby apply to be prequalified as a bidder for the following contract(s) under the Contract.....

Contract No.	Description of Contract

2. Attachments to this letter are copies of original documents defining:
(a) The Applicant's legal status;
(b) The principal place of business; and
(c) The place of incorporation (for applicants who are corporations); or
The place of registration and the nationality of the owners (for applicants who are partnerships or individually-owned firms).

3. Your Agency and its authorized representatives are hereby authorized to conduct any inquiries or investigations to verify the statements, documents, and information submitted in connection with this application, and to seek clarification from our bankers and clients regarding any financial and technical aspects. This Letter of Application will also serve as authorization to any individual or authorized representative of any institution referred to in the supporting information, to provide such information deemed necessary and requested by yourselves or the authorized representative to verify statements and information provided in this application, or with regard to the resources, experience, and competence of the

Applicant.

- a. Your agency and its authorized representatives may contact the following persons for further information, if needed.

<b>General and Managerial Inquiries</b>	
Contact 1	Telephone 1
Contact 2	Telephone 2

<b>Personnel Inquiries</b>	
Contact 1	Telephone 1
Contact 2	Telephone 2

<b>Technical Inquiries</b>	
Contact 1	Telephone 1
Contact 2	Telephone 2

<b>Financial Inquiries</b>	
Contact 1	Telephone 1
Contact 2	Telephone 2

5. This application is made with the full understanding that:
- (a) bids by pre-qualified applicants will be subject to verification of all information submitted for prequalification at the time of bidding;
  - (b) your agency reserves the right to:
    - (i) amend the scope and value of any contract under this project; in such event bids will only be called from prequalified bidders who meet the revised requirements; and
    - (ii) reject or accept any application, cancel the prequalification process, and reject applications; and
  - (c) your agency shall not be liable for any such actions and shall be under no obligation to inform the Applicant of the grounds for actions at 5(b) here

above.

- (d) your Agency shall not be liable for consequence of, and shall be under no obligation to inform the applicant of the grounds for, actions taken under Para 5(b) here above.

Applicants who are not joint ventures should delete the Para 6&7 and initial the deletion.

- 6. Appended to the application we give the details of the participation of each party including capital contribution and profit /Loss agreements to the joint venture or association. We also specify the financial commitment in terms of the percentage of the value of the (each) contract and the responsibilities for execution of the each contract.
- 7. We confirm that in the event that we bid, that bid as well as any resulting contract will be:
  - a. signed so as to legally bind all partners, jointly and severally; and
  - b. submitted with a Joint Venture agreement providing the joint and several liability of all the partners in the event contract is awarded to us.
- 8. The undersigned declare that the statements made and the information provided in the duly completed application are complete, true, and correct in every detail.

Signed	Signed
Name	Name
For and on behalf of (Applicant or lead Partner of a joint Venture )	For and on behalf of (Other Partner/Partners of a joint Venture )

## Application Form A-1

### General Information

*All individual firms applying for prequalification are requested to complete the information in this form. Nationality information is also to be provided for foreign owners.*

*Where the Applicant proposes to use named subcontractors for critical components of the works or for work contents in excess of 10 percent of the value of the whole works, the following information should also be supplied for the specialist subcontractor(s).*

1.	Name of Firm	
2.	Head Office Address	
3.	Telephone	Contact Person: Name: Title:
4.	Fax	Telex
5.	Place of Incorporation/Registration	Year of incorporation/registration

<b>NATIONALITY OF OWNERS</b>		
	<b>NAME</b>	<b>NATIONALITY</b>
1.		
2.		
3.		
4.		
5.		



## Application Form A-2

### General Experience Record

Name of Applicant
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*All individual firms are requested to complete the information in this form. The information supplied should be the annual turnover of the Applicant in terms of the amounts billed to clients for each year for work in progress or completed over the past five years.*

<b>Annual Turnover (Construction only)</b>		
<b>Year</b>	<b>Turnover (in actual currency)</b>	<b>Equivalent Rupees in Millions.</b>
1.		
2.		
3.		
4.		
5.		

## Application Form A-3

### Joint Venture Summary

<b>Name of all Partners of a Joint Venture</b>
<b>Lead Partner</b>
<b>Partner</b>
<b>Partner</b>

*Total value of annual construction turnover, in terms of work billed to clients*

Annual Turnover Data (Construction Only: Equivalent in Pak Rupees in Millions)							
Partner	Form A-2	Year 1	Year 2	Year 3	Year 4	Year 5	
Lead Partner							
Partner							
Partner							
Total							

Application Form A-4

Particular Experience Record

Name of Applicant

To prequalify, the Applicant shall be required to pass the specified requirements applicable to this form.

On a separate page, using the format of Application Form A-4, each applicant is required to list all contracts of a value equivalent to **Pak Rs.300 million**, of a similar nature and complexity to the contract for which the Applicant wishes to qualify, undertaken during the last five years. The information is to be summarized, using Application Form A-4, for each contract completed or under execution by the Applicant.

Where the Applicant proposes to use named subcontractor(s) for critical components of the works or for work contents in excess of 10 percent of the value of the whole works, the information in the afore-mentioned forms should also be supplied for each specialist subcontractor.

Sr.No.	Name of Project	Name of Employer	Cost of Project (Pak. Rs.)	Contract Award Date	Project Completion Date

**Application Form A-5**

Details of Contracts of Similar Nature and Complexity

<i>Name of Applicant</i>
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Use a separate sheet for each contract.

1.	Name of Contract
	Country
2.	Name of Employer
3.	Employer Address .....
4.	Nature of works and special features relevant to the contract for which the Applicant wishes to prequalify .....
5.	Contract Role (Tick One)  (a) Sole Contractor (b) Sub- Contractor (c) Partner in a Joint Venture
6.	Value of the total contract (in specified currencies) at completion, or at date of award for current contract  Currency.....
7.	Equivalent in Pak/Rs.
8.	Date of Award
9.	Date of Completion
10.	Contract Duration (Years and Months) _____ Years _____ Months
11.	Specified Requirements1 ..... .....

**Application Form A-6**

Summary Sheet: Current Contract Commitments/Works in Progress

<i>Name of Applicant</i>
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*Applicants should provide information on their current commitments on all contracts that have been awarded, or for which a letter of intent or acceptance has been received, or for contracts approaching completion, but for which substantial Completion Certificate has yet to be issued.*

<b>Name of Contract</b>	<b>Value of Outstanding work (Equivalent Pak Rs. Millions)</b>	<b>Estimated Completion Date</b>
1.		
2.		
3.		
4.		

## Application Form A-7

### Personnel Capabilities

<i>Name of Applicant</i>
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*For specific positions essential to contract implementation, Applicants should provide the names of at least two candidates qualified to meet the specified requirements stated for each position. The data on their experience should be supplied on separate sheets using one Form for each candidate.*

1.	Title of Position
	Name of Prime Candidate
	Name of Alternate Candidate
2.	Title of Position
	Name of Prime Candidate
	Name of Alternate Candidate
3.	Title of Position
	Name of Prime Candidate
	Name of Alternate Candidate
4.	Title of Position
	Name of Prime Candidate
	Name of Alternate Candidate

**Application Form A-8**

Candidate Summary

<i>Name of Applicant</i>
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	<b>Position</b>	<b>Candidate</b> [Tick appropriate one] <input type="checkbox"/> Prime <input type="checkbox"/> Alternate
Candidate information	1. Name of Candidate	2. Date of Birth
	3. Professional Qualification	
Present employment	4. Name of employer	
	Address of employer	
	Telephone	Contact officer (manager/personnel officer)
	Fax	Telex
	Job title of candidate	Years with present employer

Summarize professional experience over the *last 10 years*, in reverse chronological order. Indicate particular technical and managerial experience relevant to the Project.

Month/ Dates/Years		Company / Project / Position / Relevant technical and management experience
From	To	

**Application Form A-9**

Equipment Capabilities (Mention only major equipment such as Shuttering, Scaffolding, Mixer Machines, Lifts, Batching Plants, Transit Mixers, Survey Equipment, Compactor, Lab facility, Road Rollers, Asphalt Plant etc.).

<i>Name of Applicant</i>
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*The Applicant shall provide adequate information to demonstrate clearly that he has the capability to meet the requirements for each and all items of equipment listed in the Instructions to Applicants. A separate Form shall be prepared for each item of equipment or for alternative equipment proposed by the Applicant.*

<b>Item of Equipment</b>		
Equipment information	1. Name of manufacturer	2. Model and power rating
	3. Capacity	4. Year of manufacture
Current status	5. Current location	
	6. Details of current commitments	
Source	7. Indicate source of the equipment  <input type="checkbox"/> Owned <input type="checkbox"/> Rented <input type="checkbox"/> Leased	

*Omit the following information if it is owned by the Applicant.*

Owner	8. Name of owner	
	9. Address of owner	
	Telephone	Contact name and title
	Fax	Telex
Agreement	Details of rental/lease specific to the Project.	



**Application Form A-10**

## Financial Capability

<b>Name of Applicant</b>
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*Applicants should provide financial information to demonstrate that they meet the requirements stated in the Instructions to Applicants. Each applicant must fill-in this form. If necessary, use separate sheets to provide complete banker information. A copy of the audited balance sheets should be attached.*

<b>Banker</b>	Name of banker	
	Address of banker	
	Telephone	Contact name and title
	Fax	Telex

*Summarize actual assets and liabilities in Pak Rupees (Equivalent at the current rate of exchange at the end of each year) for the previous five years, based upon known commitments, projected assets and liabilities in Pak Rupees equivalent for the next two years.*

<b>Financial information in Pak Rs. or equivalent</b>	<b>Actual: previous five year</b>					<b>Projected: next two years</b>	
	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
1. Total assets							
2. Current assets							
3. Total liabilities							
4. Current liabilities							
5. Profits before taxes							
6. Profits after taxes							

*Specific proposed sources of financing to meet the cash flow of the Project, net of current commitments.*

<b>Source of financing</b>	<b>Amount (Pak Rs. or equivalent)</b>
1.	
2.	
3.	
4.	

*Attach audited financial statements for the last five years*

*Firms owned by individuals, and partnerships, may submit their balance sheets certified by a registered accountant, and supported by copies of tax returns, if audits are not required by the laws of their countries of origin in case of foreign firms.*



Application Form A-12

MISC.

*Name of Applicant*

*Applicants should provide the following documents:*

*ISO CERTIFICATION/OHSAS CERTIFICATION  
CONSTRUCTION QUALITY CONTROL MANUAL  
HSE MANAGEMENT PLAN  
GENERAL CONSTRUCTION MANAGEMENT PLAN*

**Points Awarding Criteria****1. General Experience**

- a. 12 Marks are given if the contractor has completed at least 3 projects of similar nature in last ten years. (Costing 500 million)  
 For less than 3 projects completed use the weightage:  $12 \times (A/3)$   
 For more than 3 projects but less than 6 projects completed use the weightage:  $12 + (A/6) \times 3$   
 A = No of projects of similar nature Completed in last ten years  
 Full Marks are given in case of 6 projects or more.
- c. 8 Marks are given if the contractor has 3 projects of similar nature in-hand.  
 For less than 3 projects in-hand use the weightage:  $8 \times (A/3)$   
 For more than 3 projects but less than 6 projects in-hand use weightage:  $8 + (A/6) \times 2$   
 A = No of projects of similar nature In-hand during last ten years  
 Full Marks are given in case of 6 projects or more
- d. 4 Marks are given if the contractor has completed at least 3 projects of similar nature in last five years.  
 For less than 3 projects completed use the weightage:  $4 \times (A/3)$   
 For more than 3 projects but less than 6 projects completed use weightage:  $4 + (A/6) \times 1$   
 A = No of projects of similar nature Completed in last five years  
 Full Marks are given in case of 6 projects or more.
- e. 1 Mark for each enlistment up to maximum of five enlistments.

**2 Personnel Capabilities****a. Experience (3-Marks)**

3 Marks will be given if the individual experience of at least 4 no. of B.Sc Engineers (professional) is equal to 10 years or above.

For less than 4 no of B.Sc Engineers having individual experience of 7 years, marks will be given as per formulas:  $(A/4) \times 3$

A = No. of Engineers having individual experience of 7 years or above.

**Strength of Engineers (6 Marks)**

6 Marks will be given if the total no. of Engineers registered with PEC are 5 nos. or above.

For less than 5 no of B.Sc Engineers registered with PEC marks will be given as per formulas:  $(A/5) \times 6$

A = No. of Engineers

**b. Experience (2-Marks)**

2 Marks will be given if the individual experience of at least 8 no. of Associates Engineers (DAE) is equal to 10 years or above.

For less than 8 no of Associates Engineers (DAE) having individual experience of 10 years, marks will be given as per formulas:  $(A/8) \times 2$

A = No. of DAE Engineers.

### **Strength of Associate Engineers(4 Marks)**

4 Marks will be given if the total no. of Associate Engineers (DAE) are **10 nos.** or above.

For less than **10 nos.** of Associate Engineers marks will be given as per following formulas:  $(A/20) * 4$

A = No. of Associate Engineers

### **3 Equipment Capabilities**

8 marks if the contractor meets minimum mentioned requirement.

For having less than minimum Calculate marks as  $8(A/\text{Minimum Requirement})$

For having more than minimum Equipment Requirement : Full marks

A= Available equipment with Contractor

### **4 Financial Capabilities**

- a. 3 Marks are given if the available bank credit line limit is equal to 500 Million.  
For limit less than 500 Million, use weightage:  $3 \times (A/500)$   
A= Available Bank Credit Line Limit
- b. 5 Marks are given if the available average working capital for last three years is equal to 500 Million.  
For the Avg. capital for last three years is less than 500 million use:  $5 \times (A/500)$   
For the Average. Capital for last three years is more than 500 million but less than 1000 million:  $5 + (A/1000) \times 2$   
A= Average working capital in last three years.  
Full Marks are given in case of limit is 1000 million or more.
- c. No points will be given if income tax certificate is not attached and 5 points will be added in case of valid certificate.
- d. In case the firm is involved in any litigation, no marks will be given and 5 points will be added in case affidavit of no litigation is attached.
- e. In case the firm is blacklisted, no Marks will be given and 5 points will be added in case affidavit by the company that it has not been black listed is attached.
- f. No points will be given if license is not attached and 2 points will be added in case of valid license