

# POST-QUALIFICATION OF BIDDING CONTRACTORS FOR ADDITIONAL GEOTECHNICAL INVESTIGATIONS FOR CONSTRUCTION OF 128 BED MOTHER AND CHILD CARE HOSPITAL, MURREE

## 1. Post-Qualification Criteria

### 1.1 General

Post-Qualification will be based on the criteria given in succeeding Paras 1.2 to 1.7 regarding the Applicant's general and particular experience, personnel and equipment capabilities, financial position, litigation history and application of HSE Standards, as demonstrated by the Applicant's responses in the Forms attached to this Document. The Employer reserves the right to waive minor deviations, if these do not materially affect the capability of an Applicant to perform the contract by the Applicant.

Experience and resources of the Company intended to be employed as sub-contractor shall not be taken into account in determining the Applicant's compliance with the post-qualifying criteria. However, for joint venture, collective experience, resources and financial soundness of all partners shall be considered.

### 1.2 General Experience

The Applicant shall meet the following minimum criteria:

- a) Average annual turnover, which is also termed as Income from contracting for procurement of geotechnical investigations and is defined as billing for works in progress and completed over the last five (05) years of at least Rs. 10 million or the said figure has been achieved in any year during the last five (05) years. Documentary proofs of the same shall be required in the form of **letters of award, completion certificates etc.**
- b) Successful experience as prime contractor in the execution of at least five (05) projects of similar nature, complexity and in similar ground condition, comparable to the proposed works within the last five (05) years. This experience should specifically be relevant to geotechnical investigations.

### 1.3 Personnel Capabilities

The Applicant must have in his employment, suitably qualified personnel to fulfill the following key management and specialist permanent positions. The Applicant will supply information on a prime and an alternate candidate (if he so wishes) against any position (both should meet the specified experience requirements):

| Sr. No. | Position          | Qualification*    | No. | Minimum Experience (Years) | In Similar Works (Years) | As Manager of similar Works (Years) |
|---------|-------------------|-------------------|-----|----------------------------|--------------------------|-------------------------------------|
| 1       | Technical Manager | B.Sc. Civil Engg. | 1   | 20                         | 15                       | 10                                  |

|   |  |   |   |    |    |   |
|---|--|---|---|----|----|---|
| 2 | Site Geologist/<br>Engineer/Supervisor | M. Sc. Geology/B.Sc<br>Geological Engg./B.Sc<br>Civil Engg./B.sc<br>Geology (4 years) | 4 | 10 | 5  | - |
| 3 | Driller                                | Literate  | 4 | 20 | 10 |   |
| 4 | HSE Supervisor                         | HSE Certification<br>course   | 1 | 1  | 1  | - |
| 5 | Skilled Labour                         | As Required   |   | -  | -  | - |

**\*Note:** The applicant must provide proof of the above mentioned staff having valid registration with PEC/Professional affiliation, where applicable along with their CVs. The driller must have more than 10 year of experience in rock coring. Also a documentary proof will be required of permanent working of the staff with the Applicant.

#### **1.4 Equipment Capabilities**

The Applicant should own, or have assured access to (through ownership, purchase agreement or other means, a documentary proof of ownership of the equipment mentioned below to be provided along with the post-qualification document), the following key items of equipment (limited to only major items of equipment) in full working order, and must demonstrate that, based on known commitments, these will be available for deployment on the proposed works.

The Applicant may also list alternative equipment, which he would propose for the Work together with an explanation of the alternate proposal. The Applicant should also mention proper location of the equipment/plant at the time of application/inspection.

| <b>Sr. No.</b> | <b>Equipment Type &amp; Characteristics</b>  | <b>Minimum Number Required</b> |
|----------------|--|--------------------------------|
| 1              | Hydraulic wireline core drilling rigs complete in all respects including rods, bits, mud pumps and triple tube core barrel etc. in excellent condition.<br><br>The equipment shall be capable to obtain core recovery more than 80% and to complete the investigations within stipulated time. | 3                              |
| 2              | Light percussion boring sets (100 -150 mm diameter) complete in all respects including tripod, chisel/bit etc.   | 3                              |
| 3              | Heavy percussion boring sets (>150 mm diameter) complete in all respects including tripod, chisel/bit etc.   | 3                              |
| 4              | Casing sets having various diameters for all types of boring at least 70 m in length with casing bits.   | 3                              |

| Sr. No. | Equipment Type & Characteristics  | Minimum Number Required |
|---------|---|-------------------------|
| 5       | Standard penetration test equipment in accordance with latest ASTM D 1586, complete in all respects including all rods, split spoon sampler, hammer and containers etc. | 5                       |
| 6       | Denison/Pitcher/Shelby/Piston samplers  | 3 each                  |
| 7       | Triple tube split core barrel, coring bits and casing bits as per site requirements.  | 3 each                  |
| 8       | Hydraulic jacks with all accessories for the extraction of casings  | 2                       |
| 9       | Electrically operated sounder for groundwater level measurement   | 2                       |
| 10      | Wooden box for the preservation of Rock Core samples, wooden separators. The width of the wooden strips should be sufficient to record the details of drilling.         | As required             |
| 11      | Transport (4 wheel drive) at site along with temporary site office with all accessories.  | 1                       |
| 12      | Applicant should provide details of any additional equipment/capability to above if any (CPT, Water pressure test, Survey equipment, Piezometers etc.)                  | -                       |

**Note:** The Applicant must provide proof on stamp paper in the form of Affidavit for ownership of all the mentioned tools and plants. In addition, the Applicant shall furnish a statement giving present deployment of the equipment, such as a Project location or machine yard.

### **1.5 Financial Position**

1.5.1 The Applicant should demonstrate that he has access to, or has available liquid assets, un-encumbered real assets, lines of credit and other financial means sufficient to meet the execution cash flow for the execution of Works as required in Item 1.2 (a). Applicant's commitments for other ongoing contracts shall also be provided.

1.5.2 The audited balance sheets or alternative evidence of financial health such as bank account statements, available line of credits, etc., for the last five (05) years should demonstrate the soundness of the Applicant's financial position for procurement of geotechnical investigations work, showing long term profitability. Where necessary, the Employer will make enquiries with the Applicant's bankers.

### **1.6 Litigation History**

The Applicant should provide accurate information on any litigation or arbitration resulting from Contracts completed or under execution over the last five (05) years. A consistent/ overwhelming history of award against the Applicant may result in rejection of the application. In case an

Applicant claims Nil litigation, he shall submit the same statement of affidavit on stamp paper duly attested by Oath Commissioner.

***1.7 Application of Health, Safety and Environmental Standards***

The Applicant should provide the HSE Policies and supporting documentary evidence for the following:

- i) First Aid Box;
- ii) Personnel Protective Equipments (PPEs);
- iii) Standard Operating Procedures (SOPs)
- iv) Health, Safety and Environmental (HSE) Policies
- v) HSE staff

## Application Form A-1

Page \_\_\_ of \_\_\_ Pages

**General Information**

All individual Applicants applying for qualification are requested to complete the information in this form. Nationality information is also to be provided for foreign owners as required under the PEC Bye-Laws as a Partnership.

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:<br>Name:<br>Title:<br>Cell No. |
| 4. | Fax                                  | E-mail   |
| 5. | Place of Incorporation/Registration* | Year of incorporation/registration             |

\* Attach copy of valid PEC Registration Certificate of the firm.

| <i>NATIONALITY OF OWNERS</i> |             |                    |
|------------------------------|-------------|--------------------|
|                              | <i>NAME</i> | <i>NATIONALITY</i> |
| 1.                           |             |                    |
| 2.                           |             |                    |
| 3.                           |             |                    |
| 4.                           |             |                    |
| 5.                           |             |                    |

**General Experience Record**

Name of Applicant: \_\_\_\_\_

All individual Applicants are requested to complete the information in this Form. The information supplied should be the annual turnover of the Applicant for carrying out geotechnical investigation, in terms of the amounts billed to clients for Rs. 10 million or the said figures have been achieved in any year during the last five (05) years.

*Also provide list of the projects supervised by Engineer/Geologist in the last five (05) years along with the cost and documentary proof of the same.*

| <b>Annual Turnover for Carrying out Geotechnical Investigations</b> |  |                                      |
|---|--|--------------------------------------|
| <b>Year</b>   | <b>Turnover<br/>(in actual currency)</b> | <b>Equivalent Rupees in Million.</b> |
| 2016 – 2017   |  |                                      |
| 2015 – 2016   |  |                                      |
| 2014 – 2015   |  |                                      |
| 2013 – 2014   |  |                                      |
| 2012 – 2013   |  |                                      |

Note: Consolidate amounts from Form A-5.

Joint Venture Summary (if applicable)

| <b>NAME OF ALL PARTNERS OF A JOINT VENTURE (JV)</b> |
|---|
| 1. Lead Partner                                     |
| 2. Partner  |
| 3. Partner  |
| 4. Partner  |
| 5. Partner  |
| 6. Partner  |

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

| <b>ANNUAL TURNOVER DATA</b>              |                              |                |                |                |                |                |
|--|------------------------------|----------------|----------------|----------------|----------------|----------------|
| <b>(EQUIVALENT IN PAK RS., MILLIONS)</b> |                              |                |                |                |                |                |
| <b>Partner</b>                           | <b>Form A-2<br/>Page No.</b> | <b>2012-13</b> | <b>2013-14</b> | <b>2014-15</b> | <b>2015-16</b> | <b>2016-17</b> |
| 1. Lead Partner                          |                              |                |                |                |                |                |
| 2. Partner                               |                              |                |                |                |                |                |
| 3. Partner                               |                              |                |                |                |                |                |
| 4. Partner                               |                              |                |                |                |                |                |
| 5. Partner                               |                              |                |                |                |                |                |
| <b>Total:</b>                            |                              |                |                |                |                |                |

Particular Experience Record

*Name of Applicant:* \_\_\_\_\_

*To qualify, the Applicant shall be required to pass the specified requirements applicable to this form, as set out in the: "Invitation Notice".*

*On a separate page, using the format of Application Form A-5, each applicant is required to list all contracts of a value equivalent to Pak Rupees as defined in Para 1.2 of similar nature and complexity to the contract for which the Applicant wishes to qualify, undertaken during the last five (05) years. The information is to be summarized, using Application Form A-5, for each contract completed or under execution by the Applicant.*



**Details of Contracts of Similar Nature, Complexity and in Similar Ground Conditions**

*Name of Applicant:* \_\_\_\_\_

| Sr. No. | Name of Project* | Contractor's Role<br>a) Sole Contractor<br>b) Sub-Contractor<br>c) Partner in a Joint Venture | Value of Geotech Contract (Pak Rs.) | Contract Duration |
|---------|------------------|---|-------------------------------------|-------------------|
|         |                  |   |                                     |                   |
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*Note: Attach copy(ies) of letter(s) of award(s) and/or completion certificate(s) issued by the Client(s).*

Summary Sheet: Current Contract Commitments/ Works in Progress

*Name of Applicant:* \_\_\_\_\_

*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 Rupees in Million)</b> | <b>Estimated Completion Date</b> |
|-------------------------|---|----------------------------------|
| 1.                      |   |                                  |
| 2.                      |   |                                  |
| 3.                      |   |                                  |
| 4.                      |   |                                  |
| 5.                      |   |                                  |
| 6.                      |   |                                  |

**Personnel Capabilities**

*Name of Applicant:* \_\_\_\_\_

*For specific positions essential to contract implementation, Applicants should provide the names of candidates qualified to meet the specified requirements stated for each position.*

| Sr. No. | Name of Prime and Alternate Candidate | Qualification | Designation/ Position | Total Experience | Experience in Similar Works |
|---------|---------------------------------------|---------------|-----------------------|------------------|-----------------------------|
|         |                                       |               |                       |                  |                             |
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Note: Attach copy(ies) of appointment letter(s) and CVs of above mentioned staff.

Equipment Capabilities

Name of Applicant: \_\_\_\_\_

*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. The Applicant shall also furnish a statement giving present deployment of the equipments such as a project location or machine yard etc.*

| Sr. No. | Equipment Description | Capacity | Number of Equipment | Working Condition<br>a) Very good<br>b) Good<br>c) Satisfactory | Current Location |
|---------|-----------------------|----------|---------------------|---|------------------|
|         |                       |          |                     |   |                  |
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Note: Attach proof of ownership in the form of purchase receipt(s) Or Affidavit on stamp paper.

Financial Capability

**Name of Applicant:** \_\_\_\_\_

*Applicants should provide financial information to demonstrate that they meet the requirements stated in Para 1.5 (Financial Position) of 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               | E-mail                 |

*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 (05) years, based upon known commitments, projected assets and liabilities in Pak Rupees equivalent for the next two years.*

| <b>Financial information in Pak Rs. for geotechnical investigation works only</b> | <b>Actual: previous five years</b> |                |                |                |                |
|---|------------------------------------|----------------|----------------|----------------|----------------|
|   | <b>2012-13</b>                     | <b>2013-14</b> | <b>2014-15</b> | <b>2015-16</b> | <b>2016-17</b> |
| 1. Total assets   |                                    |                |                |                |                |
| 2. Current assets   |                                    |                |                |                |                |
| 3. Total liabilities  |                                    |                |                |                |                |
| 4. Current liabilities  |                                    |                |                |                |                |
| 5. Profits before taxes   |                                    |                |                |                |                |
| 6. Profits after taxes  |                                    |                |                |                |                |

**Litigation History**

*Name of Applicant:* \_\_\_\_\_

*Applicants should provide information on any history of litigation or arbitration resulting from contracts executed in the last five years or currently under execution (Instructions to Applicants, Para 1.6).*

| <b>Year</b> | <b>Award for or against Applicant</b> | <b>Name of Client, cause of litigation, and matter in dispute</b> | <b>Disputed amount (current value Pak Rs. or equivalent)</b> |
|-------------|---------------------------------------|---|--|
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**Health, Safety and Environmental (HSE) Policies Personal Protective Equipment (PPE) and Standard Operating Procedures (SOP) of the Contractor**

Name of Applicant: \_\_\_\_\_

*The Applicant should provide the following policies/supporting documentary evidence as required in Para 1.7*

**A. HSE Policies**

Please attach HSE Policies

**B. Details of PPE Available with the Contractor (For all Categories)**

| Sr. No. | Type of PPE | Total Number |
|---------|-------------|--------------|
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**C. Details of SOPs of the Contractor**

Please attach the copies of SOPs