



Ref: 4531/024/KY/01/0516

Date: September 20, 2023

**RAVI RIVERFRONT URBAN DEVELOPMENT PROJECT  
CONSTRUCTION MATERIAL AVAILABILITY STUDIES PHASE-I  
(ALONG RIVER RAVI)**

**Invitation of Bids for Geotechnical Investigations (Field and Laboratory Works)**

Dear Sir,

Sealed bid (Technical and Financial in separate sealed envelopes) is invited in accordance with the attached BOQ and qualification criteria from drilling Contractors/Companies for carrying out the geotechnical investigations for the subject project.

The companies capable of carrying out subject work are requested to provide their Company's Profile and the following documents along with their sealed bids:

1. PEC Registration Certificate
2. FBR & PRA Registration Certificates
3. List of Similar Projects completed during last three years
4. Financial Capability
5. Equipment Capability
6. Personnel Capability
7. Litigation History
8. HSE Policies

The work comprises; excavation of testpits, collection of disturbed soil samples and laboratory testing of selected soil samples. The field and laboratory work shall have to be completed according to the following time schedule:

| Sr No. | Time for Completion of Field Investigations | Time for Completion of Laboratory Testing | Total Time for Completion of Field & Laboratory Investigations |
|--------|---|---|--|
| 1      | 20 days                                     | 15 days                                   | 35 days  |

Your bid shall be valid for a time period of ninety (90) days after the bid opening. The work shall be executed under the instructions and full-time supervision of NESPAK engineers/geologists and the successful bidder shall mobilize to the site on one day notice after issuance of Letter of Award/Acceptance

The coordinates and ground elevations of all the investigation points by total station shall have to be provided to NESPAK before completion of investigation at site by the Contractor. The approved laboratory, where testing is to be carried out, shall be pursued by the successful bidder for timely completion of the assigned laboratory testing.

The successful bidder shall be responsible for providing the field borehole logs, summary of laboratory test results and detailed laboratory test results to NESPAK, within the contract period. A premium of up to 25% will be admissible on the official rates of the soil laboratory, selected for testing of samples. This premium has been allowed as compensation to the Contractor for making advance payment to the

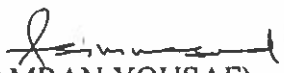
laboratory and later following-up for obtaining test results in time. The name of the laboratory should be provided on page 2 of 2 (Annexure-1).

The bidders shall submit a bid security amounting to Rs. 15,000/- at the time of submission of bids in the form of pay order or bank draft in favor of M/s NESPAK.

Your most competitive sealed bids (inclusive of all taxes) in accordance with the BOQ and qualification criteria, should reach the office of the undersigned by 1400 hours on or before October 06, 2023. Technical bids would be opened on the same day at 1430 hours after their receipt in the presence of those bidders who wish to be present.

Financial bids would be opened after evaluation of Technical bids, at a time, date and venue announced and communicated to the technically responsive bidders in advance. However, the final decision to accept/reject any or all the bids as per PPRA rules solely lies with the undersigned. The entire work shall be carried out in accordance with the requirements of the General Bidding Documents for Geotechnical Investigations available at NESPAK website ([www.nespak.com.pk](http://www.nespak.com.pk)). Payment of the entire work shall be made by NESPAK after receipt of its fee from Client.

for National Engineering Services Pakistan (Pvt.) Limited

  
(KAMRAN YOUSAF)  
+ General Manager/Acting Head  
Geotechnical & Geoenvironmental Engineering Division

| RAVI RIVER FRONT URBAN DEVELOPMENT PROJECT  |   |      |      |            |              |
|---|---|------|------|------------|--------------|
| Construction Material Availability Studies Phase -1 (Along Ravi river)  |   |      |      |            |              |
| BILL OF QUANTITIES  |   |      |      |            |              |
| Sr. No.   | Description   | Unit | Qty. | Rate (Rs.) | Amount (Rs.) |
| A.  | <b>FIELD INVESTIGATIONS</b>   |      |      |            |              |
| A1  | Mobilization and demobilization of Contractor team along with allied accessories at site including shifting from one investigation point to another. The equipment shall be sufficient to complete the investigations within the time schedule. | L.S. | Job  |            |              |
| A2  | <b>For Earthen / Fill Materials Along River:</b><br>Excavation of Forty (40) testpits up to a maximum depth of 2.0 m in soils at borrow area/river bed, including backfilling of pits to original condition.                                    | L.M. | 80   |            |              |
| A3  | Collection of bulk composite soil samples (60 kg for sandy/clayey soils) from onsite testpits including their labelling, packing, storage & transportation to an approved testing laboratory.   | No.  | 50   |            |              |
|   | <b>Sub-Total B</b>  | Rs.  |      |            |              |
| <p>Establishment of coordinates and ground elevations of all the testpits using Total Station are included in the scope of work. The coordinates should be provided with reference to a permanent local bench mark.</p> <p>All soil samples must be labelled, stored and transported as per ASTM.</p> <p>Contractor will be responsible for arrangement of suitable transportation (double cabin), Personnel Protective Equipment (PPEs) such as safety helmets and jackets for NESPAK site supervisory / visiting staff.</p> |   |      |      |            |              |



RAVI RIVER FRONT URBAN DEVELOPMENT PROJECT

**Construction Material Availability Studies Phase -1 (Along Ravi river)**  
**BILL OF QUANTITIES**

| Sr. No.                    | Description               | Unit | Qty. | Rate       | Amount |
|----------------------------|---------------------------|------|------|------------|--------|
| <b>C.</b>                  | <b>LABORATORY TESTING</b> |      |      | (Rs.)      | (Rs.)  |
| C1                         | Sieve analysis            | No.  | 50   |            |        |
| C2                         | Liquid and plastic limits | No.  | 30   |            |        |
| C3                         | Modified Proctor Test     | No.  | 18   |            |        |
| C4                         | 3-point soaked CBR        | No.  | 18   |            |        |
| <b>Sub- Total D</b>        |                           |      |      | <b>Rs.</b> |        |
| <b>Name Of Laboratory:</b> |                           |      |      |            |        |
| <b>Total (B+D)=</b>        |                           |      |      | <b>Rs.</b> |        |
| <b>Say</b>                 |                           |      |      | <b>Rs.</b> |        |



**RAVI RIVERFRONT URBAN DEVELOPMENT PROJECT  
CONSTRUCTION MATERIAL AVAILABILITY STUDIES PHASE-I  
(ALONG RIVER RAVI)**

**1. Qualification Criteria**

Qualification will be based on the criteria given in the following paras regarding the Applicant's experience, personnel and equipment capabilities, financial position and litigation history, as demonstrated by the Applicant's responses in the Forms attached as Annex-A 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 qualifying criteria. However, for joint venture, collective experience, resources and financial soundness of all partners shall be considered.

**1.1 General Information**

The Applicant shall provide general information of his firm as per the format specified in the Application Form A-1 attached in Annex-A.

**1.2 Experience of the Firm**

The Applicant shall meet the following minimum criteria:

- 1) Successful experience as contractor in the execution of at least five (5) projects involving bulk of geotechnical investigations within the last three (03) years. This experience should specifically be of geotechnical investigations of similar nature. The Applicant will supply information as per the format specified in the Application Form A-2 attached in Annex-A.

**1.3 Personnel Capabilities**

The Applicant must have in his employment, suitably qualified and experience personnel to fulfill the positions tabulated below. The Applicant will supply information as per the format specified in the Application Form A-3 attached in Annex-A.

| Sr. No. | Position                                    | Qualification*   | No.            | Minimum Experience (Years) |
|---------|---|--|----------------|----------------------------|
| 1       | Technical Manager                           | B.Sc. Civil Engg.  | 1              | 5                          |
| 2       | Site Geologist/<br>Supervisor /<br>Engineer | M. Sc. Geology/ B.Sc.<br>Civil Engg. / B.Sc.<br>Geological Engg. | 1              | 2                          |
| 3       | HSE Supervisor                              | HSE Certification<br>course                                      | 1              | 1                          |
| 4       | Skilled Labor                               | -  | As<br>Required | -                          |



#### **1.4 Equipment Capabilities**

The Applicant should own, or have assured access to the following key 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.

| <b>Sr. No.</b> | <b>Equipment Type &amp; Characteristics</b>           | <b>Minimum Number Required</b> |
|----------------|---|--------------------------------|
| 1              | Test pit excavation equipment complete in all respect | 2                              |
| 2              | Transport for mobilization of equipment               | 1                              |

The Applicant will supply information as per the format specified in the Application Form A-4 attached in Annex-A.

#### **1.5 Financial Capabilities**

The Applicant shall meet the following minimum criteria:

- 1) Average annual turnover which is also termed as income from contracting for procurement of geotechnical investigations and is defined as billing for works completed during the last three (3) years of at least Rs. 1 million or the said figure has been achieved in any year during the last three (3) years.

The Applicant shall also provide evidence of financial health such as bank account statements, available line of credits, etc., to show the soundness of the Applicant's financial position for procurement of geotechnical investigations works. The Applicant will provide annual turnover of the geotechnical investigation works carried out by him during the last three years. The Applicant will supply annual turnover information as per the format specified in the Application Form A-5 attached in Annex-A.

#### **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 three (03) years. The Applicant will supply information as per the format specified in the Application Form A-6 attached in Annex-A. A consistent/ overwhelming history of litigation against the Applicant may result in rejection of the application. In case an Applicant claims Nil litigation, he shall submit the same statement on the letter head of his company.

#### **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

The Applicant will supply information as per the format specified in the Application Form A-7 attached in Annex-A.



**General Information**

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

|    |  |  |
|----|--|--|
| 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<br>Certificates of the firm* | Year of incorporation/registration             |

**\* Registration certificates must include:**

- Valid registration with Pakistan Engineering Council (PEC)
- Valid registration with Federal Board of Revenue (FBR)
- Valid registration with concerned Provincial Revenue Authority (PRA)
- Proof of active taxpayer of FBR & PRA





**Experience of the Firm**

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

| Sr. No. | Name of Project | Value of Geotech Contract* (Pak Rs.) | Contract Duration |
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*\*Attach copy of Letter of Awards / Project Completion Certificates for any five (5) latest projects involving bulk of geotechnical investigations within the last three (03) years.*



**Personnel Capabilities**

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

| Sr. No. | Name of Person | Qualification | Designation/ Position* | Total Experience |
|---------|----------------|---------------|------------------------|------------------|
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*\*Attach CVs of the Key Staff Members.*



**Equipment Capabilities**

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

| 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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**Financial Capabilities**

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

| Year        | Annual Turnover<br>(in PKR) |
|-------------|-----------------------------|
| 2021 – 2022 |                             |
| 2020 – 2021 |                             |
| 2019 – 2020 |                             |

*Note: Financial soundness certificate from the bank(s) as specified in section 1.5 must be provided by the Applicant*



**Litigation History**

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

| Year | Award for or against Applicant | Name of Client, cause of litigation, and matter in dispute | Disputed amount (current value Pak Rs. or equivalent) |
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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**

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

Please attach the copies of SOPs

