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Date: January 5, 2026

**CONSULTANCY SERVICES FOR DESIGNING & CONSTRUCTION
SUPERVISION OF COMMUNITY CENTRE NEAR SAHIANWALA
INTERCHANGE, FAISALABAD
GEOTECHNICAL INVESTIGATIONS**

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

Dear Sir,

Bids (Technical and Financial) are invited through EPADS (in accordance with the BOQ and qualification criteria uploaded on EPADS) 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 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; execution of boreholes up to 15m depth below existing ground level (EGL), by hand auger / light percussion boring method, performance of SPTs in boreholes, excavation of test pits, performance of field density tests, collection of disturbed/undisturbed soil samples, collection of borrow area samples, collection of water samples and laboratory testing of selected soil/rock/water samples. The field and laboratory work shall have to be completed according to the following time schedule:

| Sr. No. | Minimum No. of Hand Auger / Light Percussion Boring Sets Required | Time for Completion of Field Investigations | Time for Completion of Laboratory Testing | Total Time for Completion of Field & Laboratory Investigations |
|---------|---|---|---|--|
| 1 | 2 | 12 days | 8 days | 20 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 three days' 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

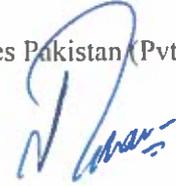
laboratory, where testing is to be carried out, shall be pursued by the successful bidder for timely completion of the assigned laboratory testing. The successful bidder shall be responsible for providing factual report comprising borehole and testpit logs, summary of laboratory test results and detailed laboratory test results to NESPAK, within the contract period. **A premium of up to 25 % will be admissible on the official rates of the 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-I).**

The basis of payment shall be the actual work carried out and approved by the Engineer, as measured by the Contractor and certified by the Engineer and valued at the rate and prices as quoted by you in your bid. **The bidders shall submit a bid security amounting to Rs. 25,000/- before the bid submission deadline in the form of pay order or bank draft in favor of M/s NESPAK.**

Your most competitive bids (inclusive of all taxes) in accordance with the BOQ and qualification criteria, must be submitted through EPADs by 1030 hours on or before January 22, 2026. Technical bids would be opened on the same day at 1100 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 bidding process and the execution of entire work shall be carried out in accordance with the terms and conditions of the General Bidding Documents for Geotechnical Investigations available at NESPAK website (www.nespak.com.pk).

for National Engineering Services Pakistan (Pvt.) Limited



(MUHAMMAD JAHAN ZEB)
General Manager/ Head

Geotechnical & Geoenvironmental Engineering Division



**CONSULTANCY SERVICES FOR DESIGNING & CONSTRUCTION SUPERVISION OF COMMUNITY CENTRE
NEAR SAHIANWALA INTERCHANGE, FAISALABAD**

**GEOTECHNICAL INVESTIGATIONS
BILL OF QUANTITIES**

| Sr. No. | Description | Unit | Qty. | Rate (Rs.) | Amount (Rs.) |
|---------|---|------------|------|------------|--------------|
| A. | FIELD INVESTIGATIONS | | | | |
| A1 | Mobilization and demobilization of at least Two (02) sets of hand auger / light percussion boring equipment at site including setting-up & shifting of equipment from one investigation point to another. The equipment should be sufficient to meet the time schedule. Minimum permissible diameter of borehole should be 100 mm. | L.S. | Job | | |
| A2 | Execution of Twenty (20) boreholes of 6 m to 15 m depth in overburden soils below NSL by using hand auger / light percussion boring method including backfilling of boreholes to their original position by using cement-sand-bentonite mix. | L.M. | 192 | | |
| A3 | Performance of Standard Penetration Tests (SPT's) in boreholes along with collection of SPT samples at 1 m depth interval in general, or as necessary, including their labelling, packing, storage & transportation to an approved testing laboratory. | No. | 177 | | |
| A4 | Collection of undisturbed soil samples from boreholes through Shelby Tubes, including their waxing, labelling, packing, storage & transportation to an approved testing laboratory. | No. | 15 | | |
| A5 | Excavation of Eight (08) testpits up to a maximum depth of 1.5 m below NSL including backfilling of pits to original condition. | L.M. | 12 | | |
| A6 | Performance of field density tests by sand replacement method in testpits generally @ 1 test/pit at selected horizons, including determination of in-situ bulk and dry density and collection of small disturbed samples in moisture tins for moisture content determination in laboratory by oven drying method as well as labelling, packing, storage & transportation to an approved testing laboratory. | No. | 8 | | |
| A7 | Collection of bulk soil samples (at least 60 kg) from onsite testpits including their labeling, packing, storage & transportation to an approved testing laboratory. | No. | 5 | | |
| A8 | Collection of bulk soil samples (at least 60 kg) from suitable borrow areas including their labeling, packing, storage & transportation to an approved testing laboratory. | No. | 2 | | |
| A9 | Collection of water samples (if encountered) from boreholes including their labelling, packing, storage & transportation to an approved testing laboratory. | No. | 6 | | |
| | Sub-Total A | Rs. | | | |

Establishment of coordinates and ground elevations of all the investigation points using TOTAL STATION / DIFFERENTIAL GPS are included in the scope of work. The coordinates should be provided with reference to a permanent local bench mark.

All soil / water samples shall be stored and transported as per ASTM standard. The area and clearance ratio of sampling tubes should be as per ASTM requirements.

Contractor will be responsible for arrangement of Personnel Protective Equipments (PPEs) such as safety helmets and jackets for NESPAK site supervisory / visiting staff.

Hand auger boring method will be used for execution of borehole in sandy / clayey soil. However, percussion method of boring will be required if gravelly strata encountered



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BILL OF QUANTITIES**

| Sr. No. | Description | Unit | Qty. | Rate (Rs.) | Amount (Rs.) |
|---------------------|---|------|------|------------|--------------|
| B. | LABORATORY TESTING | | | | |
| B1 | Sieve Analysis | No. | 55 | | |
| B2 | Hydrometer Analysis | No. | 20 | | |
| B3 | Liquid & Plastic Limits | No. | 30 | | |
| B4 | Natural Moisture Content & Dry Density | No. | 15 | | |
| B5 | Consolidation with Swell Potential Measurements | No. | 4 | | |
| B6 | Direct Shear | No. | 10 | | |
| B7 | Unconfined Compression | No. | 8 | | |
| B8 | Modified AASHTO Compaction | No. | 7 | | |
| B9 | 3-Point Soaked CBR | No. | 7 | | |
| B10 | Sulphate Content of Soil | No. | 6 | | |
| B11 | Chloride Content of Soil | No. | 6 | | |
| B12 | Organic Matter Content of Soil | No. | 6 | | |
| B13 | Complete Chemical Analysis of Water Samples i/c TDS, Cl, SO4 & pH | No. | 6 | | |
| | Sub-Total B | Rs. | | | |
| Name of Laboratory: | | | | | |
| Total (A+B)= | | | | Rs. | |

AM / Ali



**GEOTECHNICAL INVESTIGATIONS FOR CONSULTANCY SERVICES FOR
DESIGNING & CONSTRUCTION SUPERVISION OF COMMUNITY CENTRE NEAR
SAHIANWALA INTERCHANGE, FAISALABAD**

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 Eligibility Based on Past Performance with NESPAK

Firms that have previously undertaken geotechnical investigation assignments for NESPAK and have received an unsatisfactory performance certificate within the past six (06) months shall be disqualified.

1.4 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/ Supervisor / Engineer | B.Sc. Geology/ B.Sc. Civil Engg. / B.Sc. Geological Engg. | 2 | 2 |
| 3 | HSE Supervisor | HSE Certification course | 1 | 1 |



| Sr. No. | Position | Qualification* | No. | Minimum Experience (Years) |
|---------|---------------|----------------|-------------|----------------------------|
| 4 | Driller | Literate | 2 | 3 |
| 5 | Skilled Labor | - | As Required | - |

1.5 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.

| Sr. No. | Equipment Type & Characteristics | Minimum Number Required |
|---------|---|-------------------------|
| 1 | Hand auger / Light percussion boring sets complete in all respects. The equipment shall be sufficient to complete the investigations within the time schedule | 2 |
| 2 | Casing sets having various diameters for all types of boring at least 15 m in length with casing bits | 2 |
| 3 | Standard penetration test equipment complete in all respects including all rods, split spoon sampler, hammer and containers etc. | 2 |
| 4 | Shelby samplers | 2 |
| 5 | UDS tubes & Split Spoon Samplers | As Required |
| 6 | Hydraulic jacks with all accessories for the extraction of casings | 1 |
| 7 | Electrically operated sounder for groundwater level measurement | 1 |
| 8 | Testpit excavation equipment complete in all aspects | As required |
| 9 | Field density test apparatus complete in all respect as per relevant ASTM standard | As required |
| 10 | Wooden box for the preservation of undisturbed soil samples | As required |
| 11 | Transport for mobilization of equipment | As required |

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

1.6 Financial Capabilities

The Applicant shall meet the following minimum criteria:

- 1) 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. 10 million. Documentary proofs of the same shall be submitted in the form of letter of awards, completion certificates, etc.



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.

1.7 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.

1.8 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.



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 (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: Name: Title: Cell No. |
| 4. | Fax | E-mail |
| 5. | Place of Incorporation/Registration 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



Financial Capabilities

Name of Applicant: _____

| Year | Annual Turnover (in PKR) |
|-------------|-----------------------------|
| 2024 – 2025 | |
| 2023 – 2024 | |
| 2022 – 2023 | |

Note: Financial soundness certificate from the bank(s) as specified in section 1.6 must be provided by the Applicant



