REQUEST FOR PROPOSAL (RFP)
FOR
THE CONSTRUCTION OF RECHARGE WELLS AT CENTER FOR GIS, PUNJAB UNIVERSITY, LAHORE.
UNDER
COMMUNITY WATER STEWARDSHIP: REPLENISHING THE GROUNDWATER RESOURCES IN LAHORE & MULTAN

WWF-Pakistan under National Competitive Bidding (“NCB”) has a requirement for the services of one qualified contractor to provide services for the for the construction of Recharge Wells at Center for GIS, University of the Punjab, Lahore, in the mission for recharging and augmenting the depleted groundwater aquifer of Lahore area to implement water stewardship in Ravi Catchment by water replenishment techniques.

The scope of work broadly includes the procuring of filter material and construction of its chambers as mentioned in TORs for all General Civil Works such as excavation & backfilling works, masonry & plastering, foundation bedding, design of plumbing works and site beautification/ landscaping according to site and ground situation requirement.

The Contractor shall provide the following services in accordance with the manufacturer's instructions and industry best practice, including all related tools and labor:

Interested companies/contractors meeting the following criteria should respond and submit the proposal in a sealed envelope to:

Younas Awan
Manager Admin
WWF-Pakistan
Inside Ali Institute of Education, Near Gulab Devi, Hospital, Ferozepur road, Lahore.

For any queries, please write to wwfadmin@wwf.org.pk by 14 July 2022 or visit our website # https://www.wwfpak.org/jobs_/procurement_of_goods_and_works/

For any technical enquiries, write to: sahmad@wwf.org.pk

Requirements:
1. Minimum (03 – 05 years) of experience in providing General Civil and plumbing Works
2. Should have at least completed 3 - 5 General Civil/ Construction Related Projects.
3. Be able to demonstrate working ability under the COVID-19 (Corona Virus) circumstances as per the construction works guidelines issued by the Government of Pakistan.
4. Should be able to follow all the required Health, Safety and Environmental (HSE) protocols, as specified under the WWF-Pakistan HSE safeguard policy.
5. Should be able to comply with all the national and provincial construction standards and labor protocols.

Proposal Submission Requirements:
- Technical proposal of work scope
- Financial proposal with unit rates and total cost of work that should be filled in the table provided below against the given quantities (Cost must be exclusive of all taxes).
- Company Profile
Following additional documents are required and would be used for **Technical/ Financial Evaluation**: 

1) Covering Letter;  
2) Copy of Company Registration Certificate;  
3) Copy of valid NTN Certificate;  
4) Copy of valid Sales Tax Registration Certificate (if applicable);  
5) Copies of certificate of professional / technical association;  
6) Complete Profile / Introduction of Organization (including name of Chief Executive, Partners, Professionals, etc.);  
7) Financial Soundness Proof (Bank Reference or Bank Statement or Audited Report / Accounts);  
8) Copy of any international / local affiliation (if any);  
9) Copy of ISO 9001 / 2000 Certificates / local and international standards (if any);
DRAWINGS:

RECHARGE WELL-I

5" BORE HOLE
3" PIPE SIZE
180' DEEP

18" DIA BORE HOLE
12" PIPE SIZE
100' DEEP

6" FEEDING LINE
TO RECHARGE WELL

18" DIA BORE HOLE
12" PIPE SIZE
100' DEEP
AQUIFER
RECHARGE WELL-II
SECTION B-B

AQUIFER
RECHARGE WELL-III
Bill of Quantities are provided below for reference:
# BOQ of Recharge Well at "CGIS Department" of Punjab University

<table>
<thead>
<tr>
<th>Ref. Spec.</th>
<th>Item Description</th>
<th>Unit</th>
<th>Quantity</th>
<th>Rates Figures Words</th>
<th>Amount</th>
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</thead>
<tbody>
<tr>
<td>1 SECTION-1</td>
<td>EARTHWORK</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>1.1</td>
<td>Excavation for foundation, footing of columns, retaining walls, plinth beams etc. in all kinds of soil including layout of building and maintaining suitable control points, backfilling with suitable soil, compaction up to 95% dry density, watering, leveling, dressing and disposal of surplus material outside the project limits in accordance with the local authorities requirements, complete in all respects as per drawings, specifications and to the approval of the Engineer.</td>
<td></td>
<td>3,175</td>
<td></td>
<td>-</td>
</tr>
<tr>
<td>1.1</td>
<td>Excavator Excavation up to any depth upto ----- or as shown on drawings.</td>
<td>Ft</td>
<td>3,175</td>
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<td>-</td>
</tr>
<tr>
<td>1.1</td>
<td>Backfill with selected granular material received from excavation around foundations and footings upto ----- or as shown on drawing.</td>
<td>Ft</td>
<td>722</td>
<td></td>
<td>-</td>
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<tr>
<td>1.1</td>
<td>Disposal of Surplus Excavated Soil from site</td>
<td>Ft</td>
<td>2,453</td>
<td></td>
<td>-</td>
</tr>
<tr>
<td>1.2</td>
<td>FILLING, COMPACTION AND TESTING</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>1.2</td>
<td>Supplying and filling with suitable soil in layers not exceeding 8” in thickness in depressions, around retaining walls, under floors, footing of columns, etc. with selected granular material having minimum value of CBR 6 and maximum Plasticity Index of size (6) as determined by AASHTO T89 and T90, leveling, dressing, watering and compacting up to 95% modified AASHTO dry density and disposal of surplus excavated materials out side or within the premises, complete in all respects as per drawings, specifications and to the approval of the Engineer and Local Authority's requirements complete in all respect as per specifications and to the approval of the Engineer.</td>
<td></td>
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<tr>
<td>1.2</td>
<td>Compaction</td>
<td>Ft</td>
<td>307</td>
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<td>-</td>
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<tr>
<td>1.2</td>
<td>70% local sand and 30% gravel or Brick balest</td>
<td>Ft</td>
<td>37</td>
<td></td>
<td>-</td>
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<tr>
<td>1.5</td>
<td>TERMITE CONTROL</td>
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<tr>
<td>1.5</td>
<td>Providing and applying Anti termite by using &quot;FIPROKILL&quot;, &quot;Salyer 25SC&quot;, &quot;MIRAJ 5% SC by Ali Aabbar&quot;, or approved equivalent termite proofing chemical, mixed with water in ratio as per manufacturers specifications, at the bottom at site of columns foundations, trenches before laying of PCC 1:4:8. The Contractor Will be Required To Furnished 10- Years Grantee Of the Termite Proofing Works.</td>
<td></td>
<td>197</td>
<td></td>
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## Total Collection
-
### SECTION -3

#### 3.1 BRICK UNIT MASONRY

- Providing and laying, including cost of materials labor and equipment, first-class solid burnt brick masonry in super structure in cement sand mortar (gray cement : Chenab sand - mixed by volume) including cost of materials, scaffolding, labor, curing, cleaning, raking out joints, and extra labor for making of openings, arches etc. and fixing of all types and Dia. of pipes, complete in all respects at any floor and any height as per drawings and specifications, and to the approval of the Engineer.

#### 3.2 Brick (9") inches Thick Walls in 1:5 Cement Sand Mortar at any Floor or Height

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<thead>
<tr>
<th> </th>
<th>Cft</th>
<th> </th>
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<tr>
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</table>

### SECTION -4

#### 4.1 MISCELLANEOUS

- **Silica Sand**
  - Cft 359

- **Crushed Stone 3/8"**
  - Cft 276

- **Crushed Stone 1/2"**
  - Cft 276

- **Rubble 2" - 3"**
  - Cft 276

- **Charcoal media**
  - Cft 9

#### 4.2 Monkey Ledgers

Supply, fabricate and install in position M.S steel monkey ladder with frame conforming to satin finished fabricated from 16 SWG pipe and 14 SWG frame including fittings and fixing accessories complete as shown on drawings, Specifications and approval of the Engineer.

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<th> </th>
<th>Rft</th>
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<tr>
<td>Total Collection</td>
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<td> </td>
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</table>

#### 4.3 P/L MS GATE

- Providing and fixing M.S sheet with side angles(1.5") frame of 16 SWG to 18 SWG welded, complete in all respects.

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<tr>
<td>Total Collection</td>
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</table>

#### 4.4 Bore Hole

- Drilling of Bore holes in all types of soil and soft rock except hard rock from ground level upto 100 ft depth, including sinking, collection of 100% soil sampling, complete as per specifications & all respect.: Dia of Bore 18" (450 mm) /d Poviding and installing PVC 50ft blind pipe Class "B" in Bore Hole including Sockets and Solvents and jointing with 50ft strainer etc. complete : 12' Nominal Pipe Size or can be change as per direction of the Consultant/Engineer Incharge.

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<th> </th>
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<tr>
<td>Total Collection</td>
<td>4</td>
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</tbody>
</table>

#### 4.5 Bore Hole

- Drilling of Bore holes in all types of soil and soft rock except hard rock from ground level upto 100 ft depth, including sinking, collection of 100% soil sampling, complete as per specifications & all respect.: Dia of Bore 12" (300 mm) /d Poviding and installing PVC 50ft blind pipe Class "B" in Bore Hole including Sockets and Solvents and jointing with 50ft strainer etc. complete : 8" Nominal Pipe Size or can be change as per direction of the Consultant/Engineer Incharge.

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<td>Total Collection</td>
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</table>

#### 4.6 Observation Well

- Drilling of observation well in all types of soil and soft rock except hard rock from ground level upto 180 ft depth, including sinking, collection of 100% of soil sampling, complete as per specifications. Dia of Bore 5" (125 mm). Poviding and installing PVC 130ft blind pipe Class "B" in Bore Hole including Sockets and Solvents and jointing with 50 ft strainer etc. complete : 3" Nominal Pipe Size or as per direction of the Consultant/Engineer Incharge.

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<tbody>
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<td>Total Collection</td>
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#### 4.7 Electrical Resistivity Survey (ERS)

- Probes 3

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<thead>
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<th> </th>
<th>Probes</th>
<th> </th>
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<tbody>
<tr>
<td>Total Collection</td>
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</tbody>
</table>

### SECTION -5

#### 5.1 PORTLAND CEMENT PLASTER

- Supplying and applying cement sand plaster on concrete or masonry surfaces, of a minimum thickness as specified below, using ordinary Portland cement sand machine mixed mortar and adding high strength polypropylene fiber in accordance with the written instruction of the manufacturers. Fixing of 1 mm thick metal lathe having 150 nets per m² at all joints and MEP cut outs. Use G.I. corner beads at all corners and plaster stop beads as required. Scratching of under layers, toweling to a smooth final layer unless noted otherwise, including scaffolding, complete in all respects, in accordance with specifications as shown on drawings and to the approval of the Engineer.

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<tr>
<th> </th>
<th>Sft</th>
<th> </th>
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<tbody>
<tr>
<td>Total Collection</td>
<td>1,218</td>
<td> </td>
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</table>

### Total Collection

- Total Collection of Civil Works