

**EXPRESSION OF INTEREST (Eoi) / Request for Proposal (RfP)**

**FOR**

**Rainwater Harvesting through Recharge Well**

**under**

**COMMUNITY WATER STEWARDSHIP PROJECT: REPLENISHING THE GROUNDWATER RESOURCES FOR LAHORE**

World Wide Fund for Nature (WWF-Pakistan) under National Competitive Bidding (“NCB”) has a requirement for the services of one qualified contractor to provide end-to-end rainwater harvesting system management services through recharge wells in the mission for augmenting the groundwater level and dilution of upper saline water of aquifer to implement water stewardship by water replenishment techniques.

The Scope of work broadly include provision of resources for carrying out all General Civil Works such as excavation & backfilling works, masonry & Plastering, PCC & RCC foundation bedding, drilling of boreholes, design of plumbing and miscellaneous structural works according to site and 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 labour:

**Interested companies/Contractors meeting following criteria should respond to this Eoi:**

1. Minimum (03 – 05 years) of experience in providing General Civil Works especially underground structures & Civil Maintenance services at different locations in Lahore.
2. Should have at least completed 3 - 5 General Civil/ Construction Related Projects in vicinity of Lahore.
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

**Annexure 1: List and Description of Works**

Table 1. List of Interventions

#	Intervention	Category	Number of Sites/Units	Site Name	<b>Description of Work</b> <i>(Note: Detailed BOQs for the works shall be shared with the shortlisted candidate)</i>
2	Recharge Well	Major Civil Works	1/4	TBD	<ol style="list-style-type: none"> <li>1. Procurement of UPVC Pipe – D Class (8" Dia.) of Turkplast or equivalent reputed company for Recharge Borehole with their certificate.</li> <li>2. Drilling of 4 Recharge Wells (12" Dia.) with Reverse Rotary Drilling Machine and lowering of 8 " dia. pipe according to approved design and instruction of site supervisor.</li> <li>3. Depth of 4 Boreholes will be as per actual and according to site supervisor.</li> <li>4. Procurement of UPVC Pipe – C Class (2" Dia.) of Turkplast or equivalent reputed company for Observation Well Borehole.</li> <li>5. Drilling of Observation Well (3" Dia.) with Cable tool method up to 160ft.</li> <li>6. Excavation, back filling and construction of Filter Trench (140'x4'x4') as shown in Construction Drawings.</li> <li>7. Wall thickness is 13 inch from foundation up to two (2 ft.) and remaining will be 9" up to 4 ft. height.</li> <li>8. Procurement and placement of sand gravel filter material as shown in drawings.</li> </ol>

# PLAN OF FILTRATION MEDIA BOX

LENGTH OF CHANNEL 140' R.F.T.



