

REQUEST FOR PROPOSAL (RFP)
FOR
GREY WATER (ABLUTION WATER REUSE SYSTEM) MANAGEMENT SERVICES
UNDER
COMMUNITY WATER STEWARDSHIP PROJECT: REPLENISHING THE GROUNDWATER
RESOURCES IN MULTAN
Location: Shrine in Multan

WWF-Pakistan under National Competitive Bidding (“NCB”) has a requirement for the services of one qualified contractor to provide end-to-end grey water management services in the mission for offsetting and reduction in use of groundwater to implement water stewardship by water replenishment techniques.

The scope of work broadly includes provision of resources for carrying out all general civil works such as excavation and backfilling works, masonry and plastering, PCC and RCC foundation bedding, design of plumbing and miscellaneous structural works according to site and situation requirement.

The Contractor shall provide the following services mentioned in Table.1

Bill of quantities (BOQs)

Table 1 Bill of Quantities (BOQs)

Ref. Spec.	Item Description	Unit	Quantity	Rates	Amount
				Figures	
1.0	<u>EARTHWORK</u>				
(i)	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.				
(ii)	Excavation up to any depth upto ----- or as shown on drawings.	Cft	3,098		
(iii)	Backfill with selected granular material received from excavation around foundations and footings upto ----- or as shown on drawing.	Cft	620		
(iv)	Disposal of Surplus Excavated Soil from site	Cft	2,479		
2.0	<u>COMPACTION , BRICK BALEST</u>				

(i)	<p>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 approval of the Engineer.</p>		
(ii)	Compaction	Sft	4,443
(ii)	70% local sand and 30% gravel or Brick balast	Cft	291
3.0	<u>TERMITE CONTROL</u>		
	<p>Providing and applying Anti termite by using "FIPROKILL", "Salyer 25SC", "MIRAJ 5% SC by Ali Akbar", 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.</p>		
(i)	<p>Providing and applying Anti termite by using "FIPROKILL", "Salyer 25SC", "MIRAJ 5% SC by Ali Akbar", 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.</p>	Sft	718
4.0	<u>STEEL REINFORCEMENT</u>		
(i)	<p>Providing fabricating and laying deformed steel reinforcement bars AFCCO, or approved equivalent confirming to ASTM-A-615, with granted minimum yield stress of 414N/mm² (60,000 Psi) reinforcement for cement concrete including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire labor charges for binding of steel reinforcement (also include removal of rust).</p>		
	<p>Providing and fixing of steel Dowels drilling in columns, beams and others structures Up to 9 inches deep using Confix AG High Strength Epoxy grout make by Radiant Construction Technologies or approved equivalent as per specification and depth of drilling as per drawing.</p>		
(ii)	In Walls, Slabs, Monkey Ladders, etc		
(iii)	#3 dia	Kg	1,437
(iv)	#4 dia	Kg	
5.0	<u>CAST IN PLACE CONCRETE</u>		
(i)	<p>Providing, mixing, laying and compacting plain cement concrete having minimum cylinder compressive strength as specified below at 28 days under foundations, grade slab and walls at any level, using Ordinary Pprtland Cement, local Chenab sand from approved sources and crush of nominal size 1 inch including curing, necessary water tight form work, complete in all respects, as shown on drawings, specifications and all to the approval of the Engineer.</p>		
(ii)	PCC 1:4:8 Under in Foundation slab as shown on drawings.	Cft	76

6.0	<p>Providing, mixing, laying, vibrating and curing water tight reinforced cement concrete with minimum compressive cylinder strength of 3750 PSI at 28 days at any height /floor using Ordinary Portland Cement (Sand consisting of 100% Lawrancepur, Margalla crushed stone ¾ inches down – by volume) including the cost of water tight form work and approved admixture @ ()Kg per bag of cement but excluding the cost of reinforcing steel, complete in all respects as shown on drawings, specifications and all to the approval of the Engineer.</p>		
(i)	Ditto of above item # 5, 6 but for 3750 PSI minimum compressive cylinder strength at 28 days (mixed by weight batching plant)		
(ii)	R.C.C (1:2:4) as shown on drawings.	Cft	792
7.0	<u>PVC Water Stopper</u>		
(i)	Supply, install and laying best quality 9" wide PVC water stopper for concrete walls with two layers of water stopper as shown on drawings, specifications and approval of the Engineer.		
(i)	In retaining wall /Tanks Inner Wall	Rft	84
8.0	<u>Manhole Covers</u>		
(i)	Supply, fabricate and install stainless steel sheeted man hole covers with frame conforming to ANSI Type 304, satin finished fabricated from 16 SWG sheet and 8 SWG frame including fittings and fixing accessories complete as shown on drawings, Specifications and approval of the Engineer.		
(ii)	30" Internal dia Manhole Covers for Water Tanks (If Required)	No.	1
9.0	<u>PVC PIPE</u>		
(ii)	Providig, laying, cutting, jointing, testing and disinfecting UPVC pipes line in trenches, with socket joints, complete in all respects.	Rft	13
10.0	<u>PORTLAND CEMENT PLASTER</u>		
(i)	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 m ² 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.	Sft	677
11.0	<u>CHIP SING</u>		
(i)	Supplying and applying CHIPSING on concrete or masonry surfaces, of a minimum thickness as specified below, 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.	Sft	677
12.0	<u>FILTER MEDIA</u>		

(i)	Gravels > 1" @ 12" Height	Cft	14	
(ii)	Course Sand / Silica Sand	Cft	14	
13.0	<u>MS CHEQUERED SHEET</u>			
(i)	03 - 05mm Thick MS CHEQUERED SHEET	Kg	85	
14.0	<u>SS STEEL MESH</u>			
(i)	SS STEEL MESH @1" Hole Size	Kg	16	
(ii)	SS STEEL MESH @1mm Hole Size	Kg	16	
14.0	<u>SUBMERSIBEL PUMP with FEEDING HYDRANT</u>	No.	1	
15.0	<u>Labor Charges</u>			
Total Collection of Civil Works				

Interested companies/contractors meeting the following criteria should respond to this RFP through email: wwfadmin@wwf.org.pk by 21 August 2021. For further information please

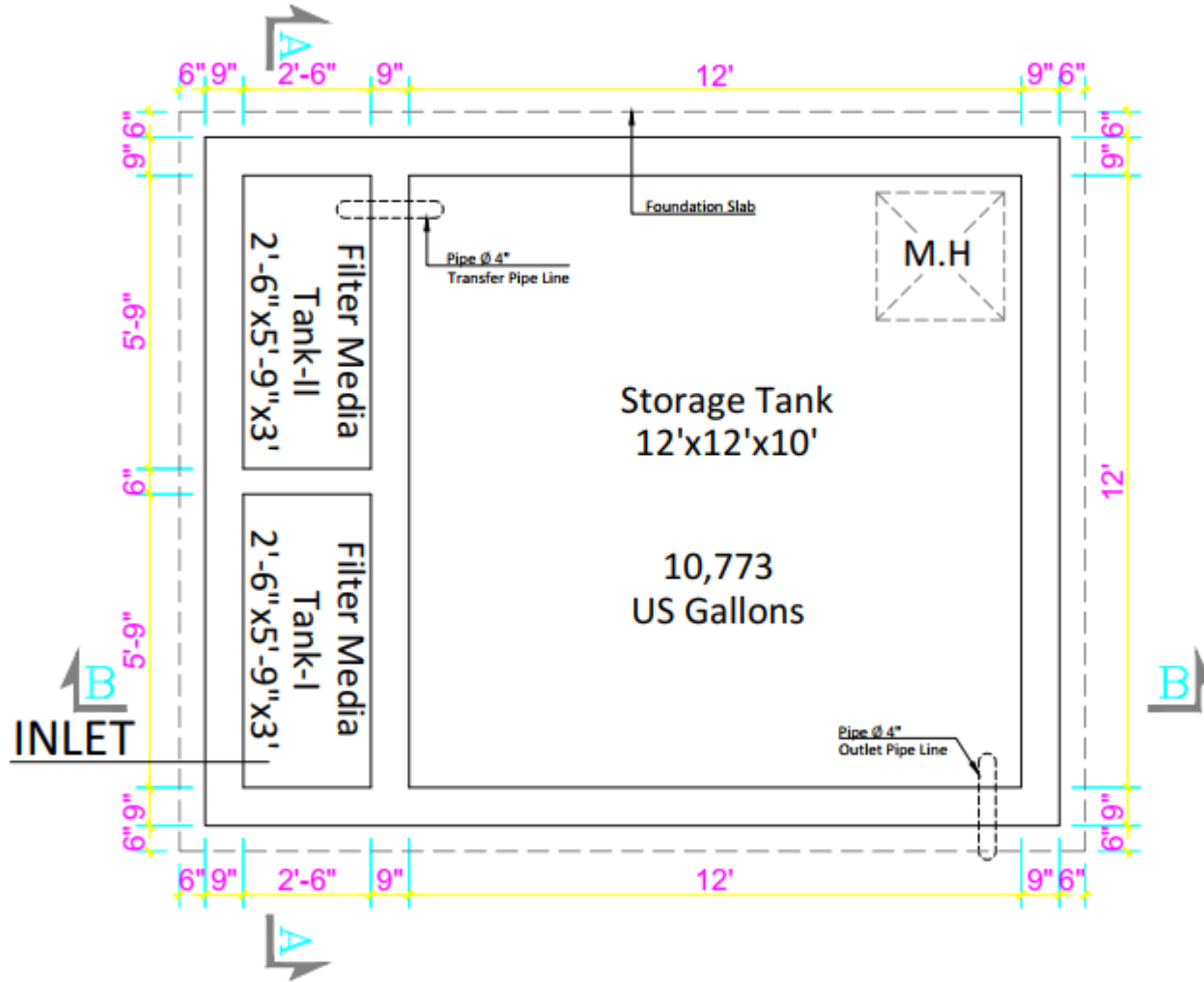
visit our website # https://www.wwfpak.org/jobs/_procurement_of_goods_and_works/

Requirements:

1. Minimum (03 – 05 years) of experience in providing General Civil Works especially underground structures & Civil Maintenance services.
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.
6. Following 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);

ANNEXURE-1



ANNEXURE-2

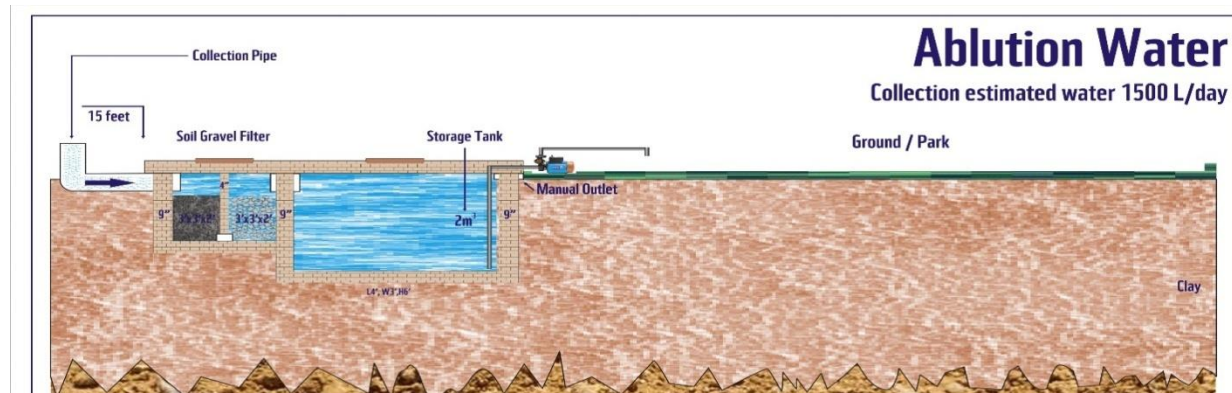


Figure 2. Ablution water schematic diagram

Note: These above quantities are tentative. Vendors should calculate quantities from provided drawings. Only unit rates will be locked