



**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, Ferozpur road, Lahore.**

**For any queries, please write to [wwfadmin@wwf.org.pk](mailto:wwfadmin@wwf.org.pk) by 14 July 2022 or visit our website # [https://www.wwfpak.org/jobs\\_/procurement\\_of\\_goods\\_and\\_works/](https://www.wwfpak.org/jobs_/procurement_of_goods_and_works/)**

For any technical enquiries, write to: [sahmad@wwf.org.pk](mailto: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

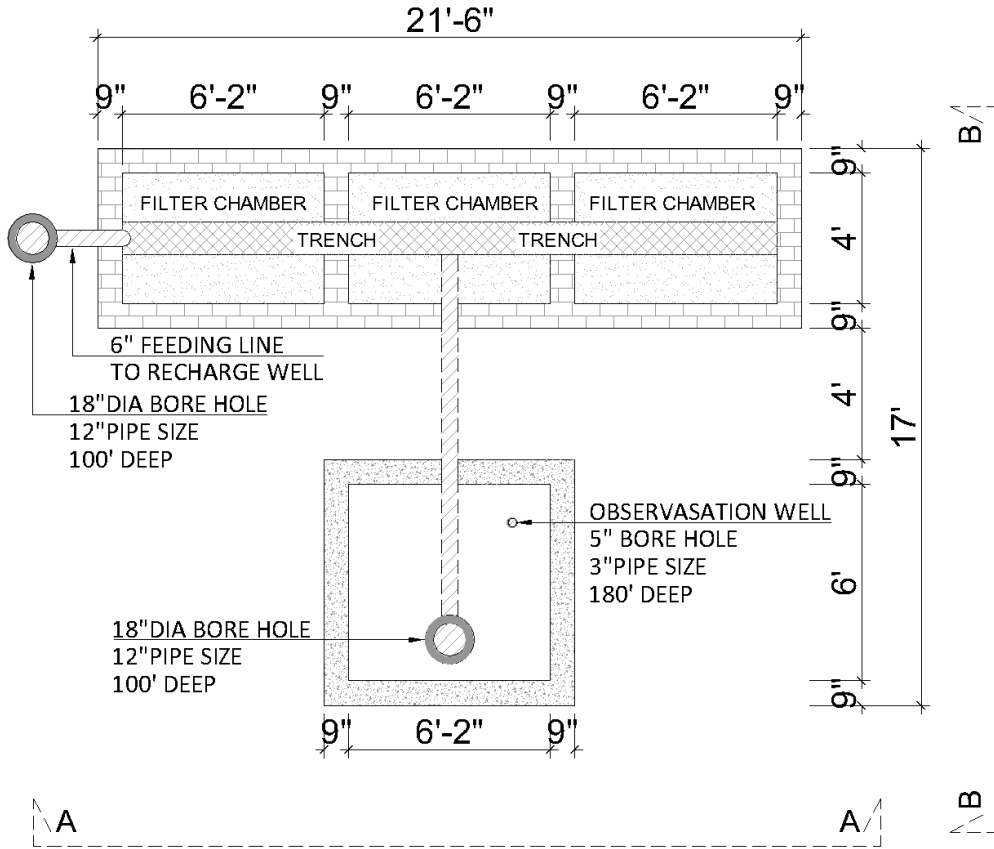


Following additional documents are required and would be used for **Technical/ Financial Evaluation**:

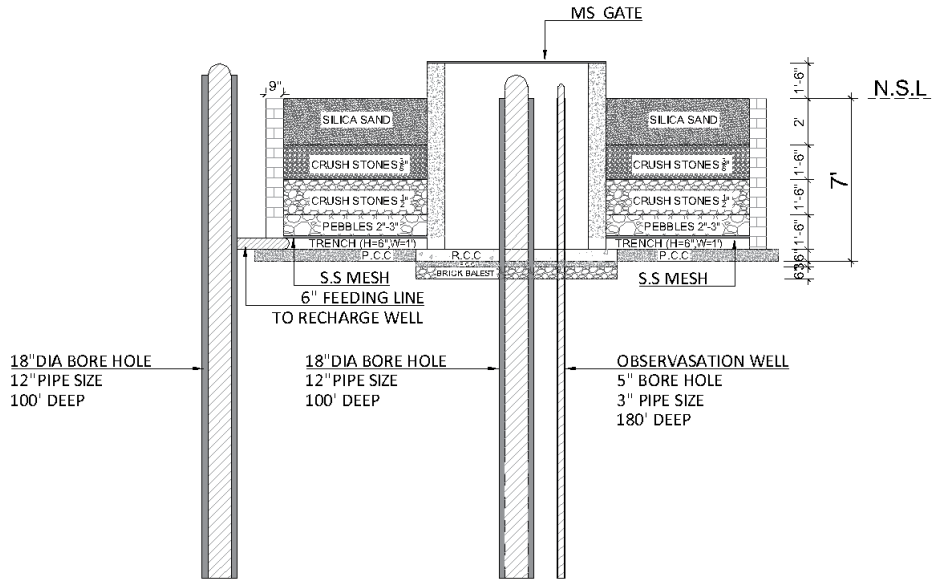
- 1) Covering Letter;
- 2) Copy of Company Registration Certificate;
- 3) Copy of valid NTN Certificate;
- 4) Copy of valid Sales Tax Registration Certificate (if applicable);
- 5) Copies of certificate of professional / technical association;
- 6) Complete Profile / Introduction of Organization (including 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);



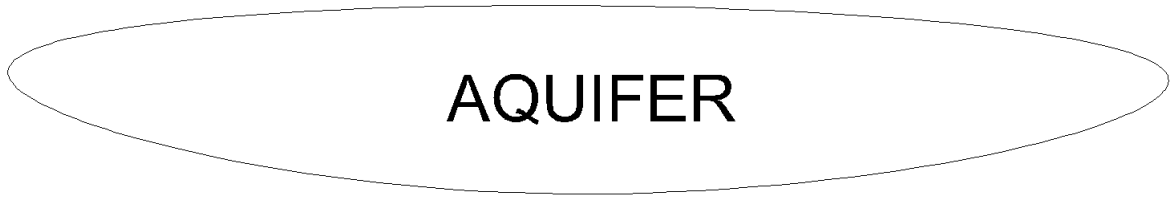
# DRAWINGS:

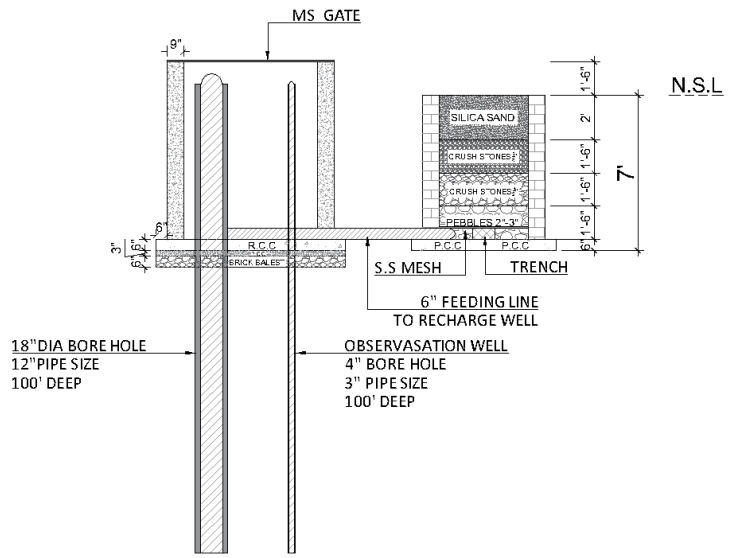


## RECHARGE WELL-I

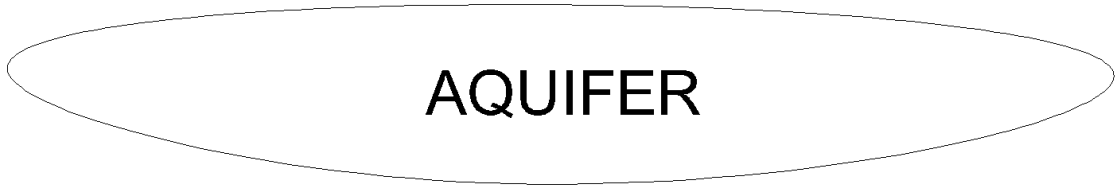


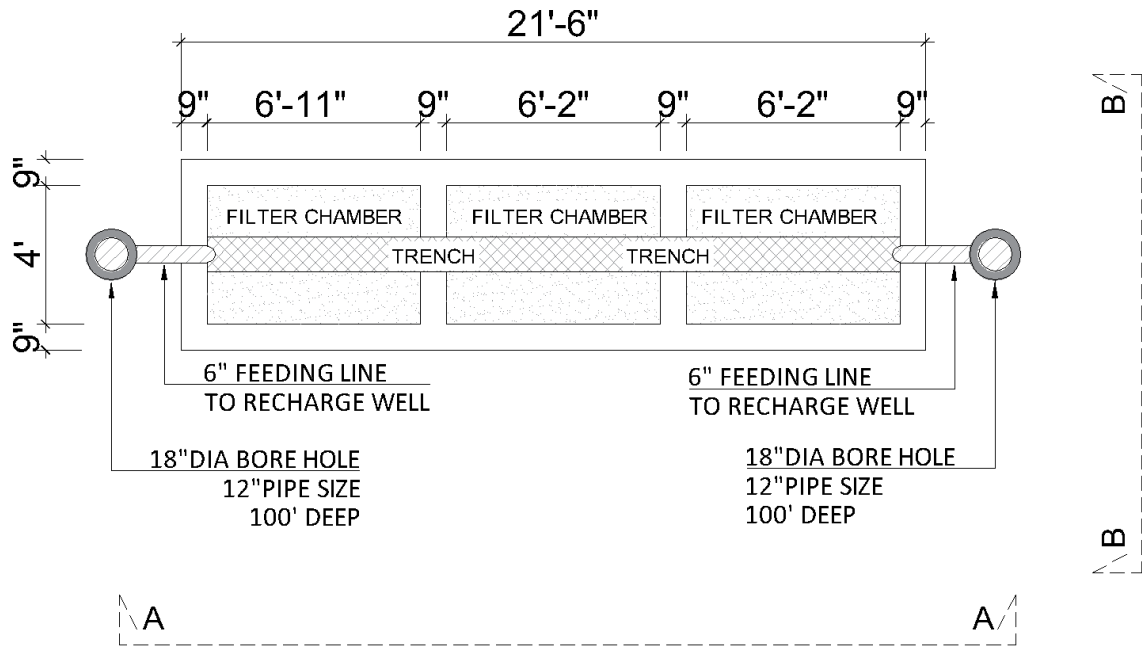
SECTION A-A





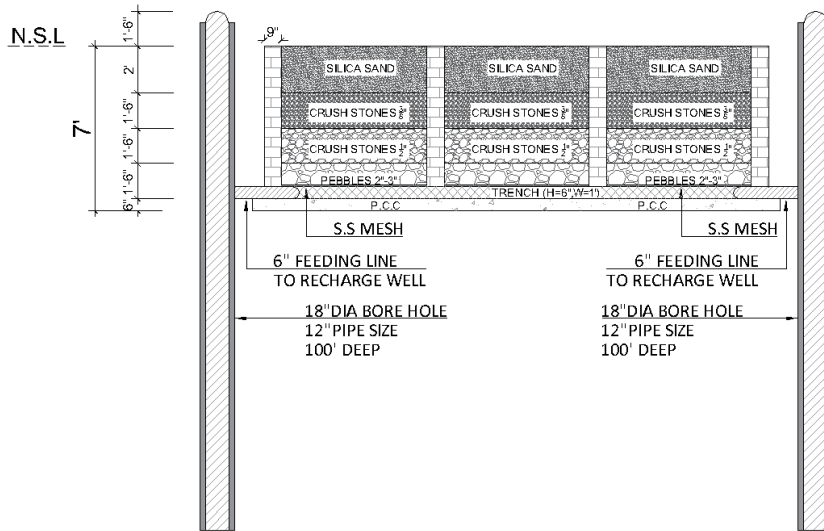
SECTION B-B



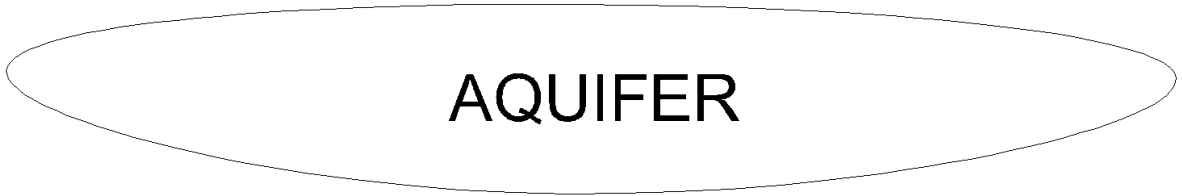


## RECHARGE WELL-II

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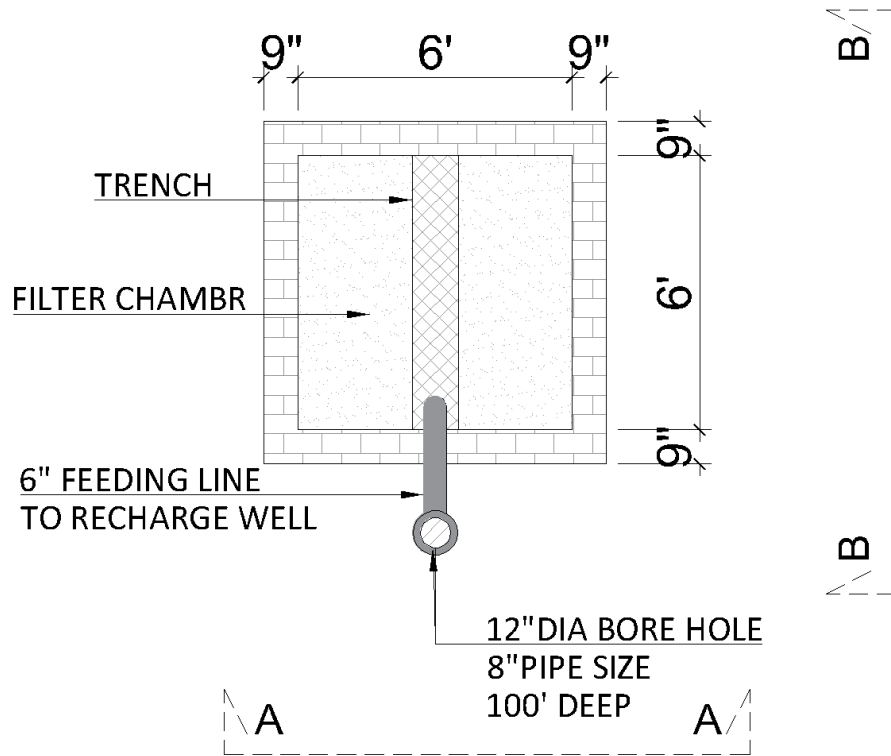


SECTION A-A



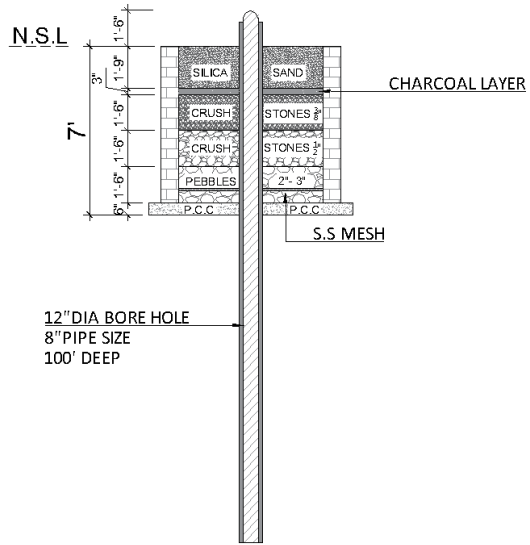




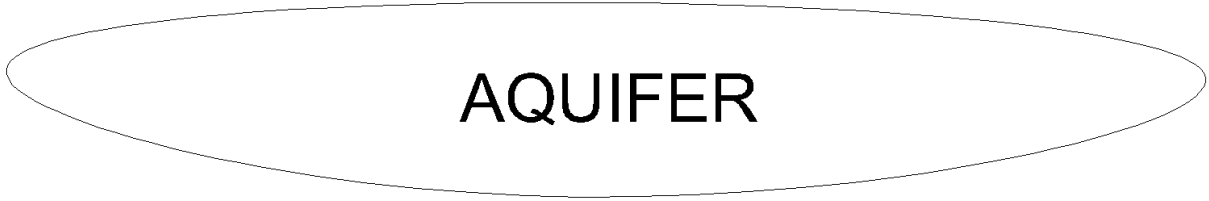


## RECHARGE WELL-III

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SECTION A-A







PEPSICO-II

BOQ OF RECHARGE WELL AT "CGIS DEPARTMENT" OF PUNJAB UNIVERSITY

Ref. Spec.	Item Description	Unit	Quantity	Rates		Amount
				Figures	Words	
<b>1</b>	<b>SECTION -1</b>					
<b>1.1</b>	<b>EARTHWORK</b>					
(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)	Excavator Excavation up to any depth upto ----- or as shown on drawings.	Cft	3,175			-
(iii)	Backfill with selected granular material received from excavation around foundations and footings upto ----- or as shown on drawing.	Cft	722			-
(iv)	Disposal of Surplus Excavated Soil from site	Cft	2,453			-
<b>1.2</b>	<b>FILLING, COMPACTION AND TESTING</b>					
(i)	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.					
(ii)	Compaction	Sft	307			-
(iii)	70% local sand and 30% gravel or Brick balast	Cft	37			-
<b>1.5</b>	<b>TERMITE CONTROL</b>					
(i)	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.	Sft	197			-
<b>Total Collection</b>						-
<b>2</b>	<b>SECTION-2</b>					
<b>2.1</b>	<b>STEEL REINFORCEMENT</b>					
(i)	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). 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.					
(ii)	In B.F , G.F & F.F					
(iii)	#3 dia	Kg	232			-
(iv)	#4 dia					
<b>2.2</b>	<b>CAST IN PLACE CONCRETE</b>					
(i)	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 Portland 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.					
(ii)	PCC 1:2:4 Under in Foundation slab as shown on drawings	Cft	201			-
(iii)	PCC 1:4:8 Under in Foundation slab as shown on drawings.	Cft	-			-
<b>2.3</b>	Providing, mixing, laying, vibrating and curing water tight reinforced cement concrete with minimum compressive cylinder strength of 4000 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.					
(i)	Ditto of above item # 2.2 , 2.3 but for 3750 PSI minimum compressive cylinder strength at 28 days (mixed by weight batching plant)					
(ii)	R.C.C (1:1½:3)	Cft	-			-
(iii)	R.C.C (1:2:4))	Cft	593			-
<b>Total Collection</b>						-



3	<b>SECTION -3</b>					
3.1	<b>BRICK UNIT MASONRY</b>					
(i)	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 <i>by volume</i> ) 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 Dias. of pipes, complete in all respects at any floor and any height as per drawings and specifications, and to the approval of the Engineer					
(ii)	(9") inches Thick Walls in 1:5 Cement Sand Mortar at any Floor or Height	Cft	916			-
<b>Total Collection</b>						-
4	<b>SECTION -4</b>					
4.1	<b>MISCELLANEOUS</b>					
(i)	<b>SILICA SAND</b>	Cft	359			-
(ii)	<b>CRUSED STONE 3/8"</b>	Cft	276			-
(iii)	<b>CRUSED STONE 1/2"</b>	Cft	276			-
(iv)	<b>PEBBELS 2"-3"</b>	Cft	276			-
(v)	<b>Charcoal media</b>	Cft	9			-
4.2	<b>Monkey Ledders</b>					
(i)	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.	Rft	7			-
4.3	<b>P/L MS GATE</b>					
(i)	Providing and fixing M.S sheet with side angles(1.5") frame of 16 SWG to 18 SWG welded, complete in all respects.	No.	1			-
4.4	<b>Bore Hole</b>					
(i)	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) i/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.	No.	4			-
4.5	<b>Bore Hole</b>					
(i)	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) i/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.	No.	1			-
4.6	<b>Observation Well</b>					
(i)	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.	No.	1			-
4.7	<b>Electrical Resistivity Survey (ERS)</b>	Probes	3			-
<b>Total Collection</b>						-
5.0	<b>Section -5</b>					
5.1	<b>PORTLAND CEMENT PLASTER</b>					
(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 <sup>2</sup> 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	1,218			-
<b>Total Collection</b>						-
<b>Total Collection of Civil Works</b>						-