

REQUEST FOR PROPOSAL FOR CONSTRUCTION OF GRAVEL-BASED DRINKING WATER TREATMENT SYSTEMS AT SCHOOLS

1. Introduction:

WWF-Pakistan under National Competitive Bidding ("NCB") has a requirement for the services of one qualified contractor to provide services for the for the **Gravel-based Drinking Water Treatment Systems at Schools**

2. Submission of Bids:

Bidder shall submit the Technical and Financial Proposal in Single Sealed Envelope having Clearly mentioned following:

- Title of Procurement Gravel-based Drinking Water Treatment Systems at Schools
- Purchaser Address as mention in 2.3
- 2.1 Only one rate should be quoted for the item and a bidder must avoid giving any alternate quote.
- 2.2 Quotation must be typed or written in indelible ink and should be signed by an authorized representative. Without a signature on Form of Quotation, the quotation shall not be considered further. All pages of the submitted quotation(s) where entries or amendments have been made, should be signed or initialed by the person signing the quotation.
- 2.3 A bidder shall submit Price Quotation, on their letterhead, duly signed, stamped by hand on Sealed envelope. The quotation should be addressed and delivered to the following official named official at the address mentioned underneath:

Name: Younas Awan

Designation Manager Admin World Wide Fund for Nature.

Purchaser's Address : World Wide Fund for Nature,

Inside Ali Institute of Education, Ferozpur Road Lahore

P.O Box 5180

Telephone : 0423-5465983

Email : Younas Awan <wwfadmin@wwf.org.pk>

For any gueries, please write to Khurram Shehzad <kshehzad@wwf.org.pk>

2.4. The quotation (s) should reach to authorize official, at the address indicated hereinabove, by or before **30**th **November 2023**.

3. Requirements:

The Bidder should have a proper business address and office/shop besides complying with the following eligibility requirements through documentary evidence, to be submitted along with their Quotation:

- a) Registration with Income Tax Department.
- b) Registration with Sales Tax Department.
- c) Proof of Active Tax Payer of Income & Sales Taxes.
- d) A minimum of 5 similar projects implemented in the past 10 years in GB, such as feasibility survey, design, estimation and implementation of Gravel base Up-flow



roughing and slow sand filtration plant, supply and installation of water purification systems.

- e) Must have PEC Registration
- f) Proven experience of working with community participation approaches in similar projects.
- g) Experience in working with international Organizations.
- h) Proven experience in developing community-based O&M modalities for water filtration Plants.
- i) Sound knowledge and understanding of Nature-based Solution concepts, and approaches

A bidder shall be selected as per the lowest evaluated responsive quotation(s) provided such bidder meets the qualification/eligibility requirements, referred to above.

4. Additional Documentations:

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

- a) Signed/Stamped copy of this RFP
- b) Technical proposal of as per Technical Specification/TORs at Annex-A
- c) Financial proposal with unit rates and total cost of work (Cost must be exclusive of all taxes) as per **Annex-B**
- d) Company Profile
- e) Details of Brand/Leaflets/Broachers (If Any)

5. Validity of Bids:

Bids shall remain valid for a period of at least <u>60 days</u> from the date of submission of the quotation, which may be extended based on mutual discussion. A bid valid for a shorter period may be Consider as nonresponsive.

6. Purchaser Right:

WWF-Pakistan reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to contract award, without thereby incurring any liability to the affected Bidder or bidders. The Purchaser will inform the affected Bidder or bidders of the grounds for the Purchaser's action, if so requested, but the Purchaser shall not be required to justify the grounds.

- 6.1 Any bidder, if found engaged in corrupt or fraudulent practices (including collusion/polling will be declared ineligible either indefinitely or for a stated period of time.
- 6.2 WWF-Pakistan also reserves the right to increase, decrease, delete or modify quantity to be delivered before the issuance of "Purchase/Supply Order" to the "Lowest Evaluated Bidder.

Regards

Khurram Shahzad Coordinator Conservation



Annex-A

Technical Specifications/Terms of Reference/BOQs/Designs

i) Following are the detailed Technical Specification and TORs:

a. Specific Tasks:

Installation of Gravel base drinking water treatment system at four Selected Schools of Gilgit-Baltistan (Susa Staq, Churka Shiger, Ganish & Karimabad Hunza).

- 1. Conduct a thorough assessment of the school's water supply system to determine the most suitable location for the Gravel base water filtration units.
- 2. Procure all necessary equipment, materials and components for the installation of the gravel base water filtration unit.
- 3. Install the water filtration units according to the approved design and specifications shared by WWF-Pakistan.
- 4. Ensure the filtration plan is connected with the existing water supply system.
- 5. Provide training to school staff on the operation and maintenance of the system.
- 6. Provide the school with all necessary documentation for future reference.
- 7. Provide Operation and maintenance services for 2 years, follow-up visits, on job training for skill transfer for operation, repair and maintenance technique.
- 8. Conduct pre and post-intervention water quality testing.
- 9. Transportation and delivery of equipment to the selected schools.
- 10. Transportation charges for layout, technical supervision, media preparation, filling and tank installation.
- 11. Consultancy charges for designing, estimation, layout for construction, supervision development of operational manual
- 12. The vendor will ensure the successful implementation of water filtration units in schools, providing students and staff with access to clean and safe drinking water.
- 13. Submit a financial proposal for each school against BOQs attached as Annex I, Annex II, Annex III and Annex IV, the proposed design is attached as Annex V for your reference.



Annex-I

	BOQs							
	Construction of Gravel Based Water Treatment Plant for Government High School SuSa Staq							
S. #	Description	Unit	Qty	Rate	Amount Rs.			
1	Bush UPVC/Brass dia 1"x1" with complete accessories	No.	8					
2	Float valve, Stainless Steel, China, 1"	No.	3					
3	HDPE Pipe, PN10, ISO certified to connnect with water supply line	Rft	200					
4	Female threaded adopter dia 32mm	No.	2					
5	Elbow coupler dia 32mm	No.	2					
6	MTA dia 32mm	No.	2					
7	Reducer coupler, dia 32mm x 63mm	No.	1					
8	PPR Pipe dia 32mm, PN-10, ISO Certified for internal fittings from Inlet URF to Outlet clear water tank	Rft	70					
9	Female elblow, PPR, 32mm, grey color Beta/Turkplast/GM or equal	No.	12					
10	Nipple stainless steel dia 1"	No.	12					
11	Control valve dia 32mm PPR Beta/Turkplast/GM or equal	No.	8					
12	Ball valve UPVC dia 2" inclue fittings for backwashing	No.	2					
13	Female sockets, 32mm, PPR Beta/Turkplast/GM or equal	No.	12					
14	Plain sockets, 32mm, PPR Beta/Turkplast/GM or equal	No.	16					
15	Union 32mm, PPR Beta/Turkplast/GM or equal	No.	12					
16	Elbow, 32mm, PPR Beta/Turkplast/GM or equal	No.	30					
17	Female Tee, 32mmx25mm, PPR Beta/Turkplast/GM or equal	No.	6					
18	Tee 32mm, PPR Beta/Turkplast/GM or equal	No.	6					
19	Bibcocks, Stainless steel, Master Brand or equal	No.	3					
20	Pipe clips, 32 mm	No.	12					
21	Teflon tap, jumbo size, china	No.	30					
22	Water Tanks plastic, 2000 Ltr, food grade with embossed labels, Supper Tuff, Prime Master, Equa Fit, Dura, Turkplast or equal for sedimentation	No.	1					
23	Water Tanks plastic, 2000 Ltr, food grade with embossed labels, Supper Tuff, Prime Master, Equa Fit, Dura, Turkplast or equal for URF	No.	1					
24	Water Tanks plastic, 2000 Ltr, food grade with embossed labels, Supper Tuff, Prime Master, Equa Fit, Dura, Turkplast or equal for SSF	No.	2					
25	Water Tanks plastic, 2000 Ltr, food grade with embossed labels, Supper Tuff, Prime Master, Equa Fit, Dura, Turkplast or equal for Storage of clear water	No.	1					



	Total Estimated Cost					
39	Water Testing Charges Pre and Post	No.	2			
38	Consultancy charges for designing, estimation, layout for construction, supervision, design development and printing of training modules and operational manual	Job	1			
37	Services for Operation and maintenance cost for 2 years, followup visits, on job traning for skill transfer for operation, repair and maintenance technique	Visits	24			
36	Transportation Charges for layout, technical supervision, media preparation, filling and tank installation	L/S	1			
35	Wages for unkskilled labor/helper	M/ days	6			
34	Plumbing charges	M/ days	4			
33	Wages for technician with special skill	M/ days	4			
32	White wash, weather shield distumper and paint	L/S	1			
31	all sides up to 6' high along with the wall of platform and fixing of water distribution point for consumers,	L/S				
	Provision of Shelter with iron pipes and GI sheets 13.6'x13'x10', covered with wire mesh		1			
30	5 ft x L 10ft, Step 2nd = H 5ft,x W 5ft x L 10ft, Stept 3rd = H 4ft,x W 5 ft x L 5ft, excavation 1ft depth for laying of lean 3' thick in foundation, stone masonry work and PCC 3"thick on top and cement plaster on walls and top floor of each portion					
29	Mesh 1" and 1/2" for screening of filtration media, 3'x5' Construction of bed for URF, SSF and Clear Water Tanks as per design Step 1st= H 6ft,x W	No.	2			
28	Supply, transportation and filling of sand filtration media for SSF as per design and specification	No.	1			
27	Supply, screening, grading, washing and filling of Filtration media for URF as per design and specification	No.	2			
26	Digging of pipe trench and back filling for water supply line from main feeder line to proposed plant , 2 feet deep	Rft	200			



Annex II

	Construction of Gravel Based Water Treatment Plant for Government Boys High School Churka Shigar						
S. #	Description	Unit	Qty	Rate	Amount Rs.		
1	Bush UPVC/Brass dia 1"x1" with complete accessories	No.	6				
2	Float valve, Stainless Steel, China, 1"	No.	3				
3	HDPE Pipe, PN10, ISO certified to connnect with water supply line	Rft	200				
4	Female threaded adopter dia 32mm	No.	2				
5	Elbow coupler dia 32mm	No.	2				
6	MTA dia 32mm	No.	2				
7	Reducer coupler, dia 32mm x 63mm	No.	1				
8	PPR Pipe dia 32mm, PN-10, ISO Certified for internal fittings from Inlet URF to Outlet clear water tank	Rft	60				
9	Female elblow, PPR, 32mm, grey color Beta/Turkplast/GM or equal	No.	10				
10	Nipple stainless steel dia 1"	No.	10				
11	Control valve dia 32mm PPR Beta/Turkplast/GM or equal	No.	6				
12	Ball valve UPVC dia 2" inclue fittings for backwashing	No.	3				
13	Female sockets, 32mm, PPR Beta/Turkplast/GM or equal	No.	10				
14	Plain sockets, 32mm, PPR Beta/Turkplast/GM or equal	No.	12				
15	Union 32mm, PPR Beta/Turkplast/GM or equal	No.	10				
16	Elbow, 32mm, PPR Beta/Turkplast/GM or equal	No.	24				
17	Female Tee, 32mmx25mm, PPR Beta/Turkplast/GM or equal	No.	6				
18	Tee 32mm, PPR Beta/Turkplast/GM or equal	No.	6				
19	Bibcocks, Stainless steel, Master Brand or equal	No.	4				
20	Pipe clips, 32 mm	No.	12				
21	Teflon tap, jumbo size, china	No.	30				
22	Water Tanks plastic, 2000 Ltr, food grade with embossed labels, Supper Tuff, Prime Master, Equa Fit, Dura, Turkplast or equal for URF	No.	1				
23	Water Tanks plastic, 2000 Ltr, food grade with embossed labels, Supper Tuff, Prime Master, Equa Fit, Dura, Turkplast or equal for SSF	No.	2				
24	Water Tanks plastic, 2000 Ltr, food grade with embossed labels, Supper Tuff, Prime Master, Equa Fit, Dura, Turkplast or equal for Storage of clear water	No.	1				
25	Digging of pipe trench and back filling for water supply line from main feeder line to proposed plant , 2 feet deep	Rft	200				
26	Supply, screening, grading, washing and filling of Filtration media for URF as per design and specification	No.	2				



	Total Estimated Cost				-
38	Water Testing Charges Pre and Post	No.	2		
37	Consultancy charges for designing, estimation, layout for construction, supervision, design development and printing of training modules and operational manual	Job	1		
36	Services for Operation and maintenance cost for 2 years, followup visits, on job traning for skill transfer for operation, repair and maintenance technique	Visits	24		
35	Transportation Charges for layout, technical supervision, media preparation, filling and tank installation	L/S	1		
34	Wages for unkskilled labor/helper	M/ days	6		
33	Plumbing charges	M/ days	4		
32	Wages for technician with special skill	M/ days	4		
31	White wash, weather shield distumper and paint	L/S	1		
30	Provision of Shelter with iron pipes and GI sheets 13.6'x13'x10', covered with wire mesh all sides up to 6' high along with the wall of platform and fixing of water distribution point for consumers,	L/S	1		
29	Construction of bed for URF, SSF and Clear Water Tanks as per design Step 1st= H 6ft,x W 5 ft x L 10ft, Step 2nd = H 5ft,x W 5ft x L 10ft, Stept 3rd = H 4ft,x W 5 ft x L 5ft, excavation 1ft depth for laying of lean 3' thick in foundation, stone masonry work and PCC 3"thick on top and cement plaster on walls and top floor of each portion	No.	1		
28	Mesh 1" and 1/2" for screening of filtration media, 3'x5'	No.	2		
27	Supply, transportation and filling of sand filtration media for SSF as per design and specification	No.	1		



Annex III

	Construction of Gravel Based Water Treatment Plant for Government Girls High School Karimabad						
S. #	Description	Unit	Qty	Rate	Amount Rs.		
1	Bush UPVC/Brass dia 1"x1" with complete accessories	No.	10				
2	Float valve, Stainless Steel, China, 1"	No.	4				
3	HDPE Pipe, PN10, ISO certified to connnect with water supply line	Rft	200				
4	Female threaded adopter dia 32mm	No.	2				
5	Elbow coupler dia 32mm	No.	2				
6	MTA dia 32mm	No.	2				
7	Reducer coupler, dia 32mm x 63mm	No.	1				
8	PPR Pipe dia 32mm, PN-10, ISO Certified for internal fittings from Inlet URF to Outlet clear water tank	Rft	70				
9	Female elblow, PPR, 32mm, grey color Beta/Turkplast/GM or equal	No.	10				
10	Nipple stainless steel dia 1"	No.	10				
11	Control valve dia 32mm PPR Beta/Turkplast/GM or equal	No.	6				
12	Ball valve UPVC dia 2" inclue fittings for backwashing	No.	2				
13	Female sockets, 32mm, PPR Beta/Turkplast/GM or equal	No.	10				
14	Plain sockets, 32mm, PPR Beta/Turkplast/GM or equal	No.	12				
15	Union 32mm, PPR Beta/Turkplast/GM or equal	No.	10				
16	Elbow, 32mm, PPR Beta/Turkplast/GM or equal	No.	24				
17	Female Tee, 32mmx25mm, PPR Beta/Turkplast/GM or equal	No.	6				
18	Tee 32mm, PPR Beta/Turkplast/GM or equal	No.	6				
19	Bibcocks, Stainless steel, Master Brand or equal	No.	4				
20	Pipe clips, 32 mm	No.	12				
21	Teflon tap, jumbo size, china	No.	30				
22	Water Tanks plastic, 2000 Ltr, food grade with embossed labels, Supper Tuff, Prime Master, Equa Fit, Dura, Turkplast or equal for Sedimentation	No.	1				
23	Water Tanks plastic, 2000 Ltr, food grade with embossed labels, Supper Tuff, Prime Master, Equa Fit, Dura, Turkplast or equal for URF	No.	1				
24	Water Tanks plastic, 2000 Ltr, food grade with embossed labels, Supper Tuff, Prime Master, Equa Fit, Dura, Turkplast or equal for SSF	No.	2				
25	Water Tanks plastic, 2000 Ltr, food grade with embossed labels, Supper Tuff, Prime Master, Equa Fit, Dura, Turkplast or equal for Storage of clear water	No.	1				
26	Digging of pipe trench and back filling for water supply line from main feeder line to proposed plant , 2 feet deep	Rft	200				
27	Supply, screening, grading, washing and filling of Filtration media for URF as per design and specification	No.	2				



28	Supply, transportation and filling of sand filtration media for SSF as per design and specification	No.	1				
29	Mesh for screening of filtration media, 3'x5'	No.	2				
30	Construction of bed for URF, SSF and Clear Water Tanks as per design Step 1st= H 6ft,x W 5 ft x L 10ft, Step 2nd = H 5ft,x W 5ft x L 10ft, Stept 3rd = H 4ft,x W 5 ft x L 5ft, excavation 1ft depth for laying of lean 3' thick in foundation, stone masonry work and PCC 3"thick on top and cement plaster on walls and top floor of each portion	No.	1				
31	Provision of Shelter with iron pipes and GI sheets 13.6'x13'x10', covered with wire mesh all sides up to 6' high along with the wall of platform and fixing of water distribution point for consumers,	L/S	1				
32	White wash, weather shield distumper and paint	L/S	1				
33	Wages for technician with special skill	M/ days	4				
34	Plumbing charges	M/ days	4				
35	Wages for unkskilled labor/helper	M/ days	6				
36	Transportation Charges for layout, technical supervision, media preparation, filling and tank installation	L/S	1				
37	Services for Operation and maintenance cost for 2 years, followup visits, on job traning for skill transfer for operation, repair and maintenance technique	Visits	24				
38	Consultancy charges for designing, estimation, layout for construction, supervision, design development and printing of training modules and operational manual	Job	1				
39	Water Testing Charges Pre and Post	No.	2				
	Total Estimated Cost						



Annex IV

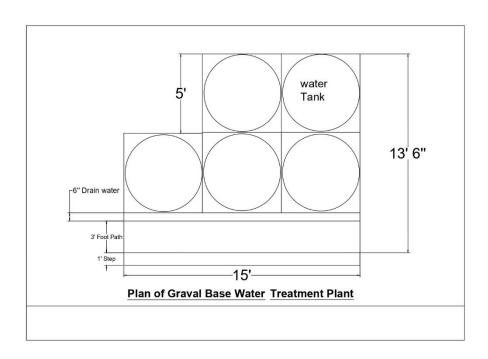
	Construction of Gravel Based Water Treatment Plant for Government Girls	Boys Mi	ddle Scl	hool Gani	sh
S. #	Description	Unit	Qty	Rate	Amount Rs.
1	Bush UPVC/Brass dia 1"x1" with complete accessories	No.	8		
2	Float valve, Stainless Steel, China, 1"	No.	3		
3	HDPE Pipe, PN10, ISO certified to connnect with water supply line	Rft	200		
4	Female threaded adopter dia 32mm	No.	2		
5	Elbow coupler dia 32mm	No.	2		
6	MTA dia 32mm	No.	2		
7	Reducer coupler, dia 32mm x 63mm	No.	1		
8	PPR Pipe dia 32mm, PN-10, ISO Certified for internal fittings from Inlet URF to Outlet clear water tank	Rft	60		
9	Female elblow, PPR, 32mm, grey color Beta/Turkplast/GM or equal	No.	10		
10	Nipple stainless steel dia 1"	No.	10		
11	Control valve dia 32mm PPR Beta/Turkplast/GM or equal	No.	6		
12	Ball valve UPVC dia 2" inclue fittings for backwashing	No.	3		
13	Female sockets, 32mm, PPR Beta/Turkplast/GM or equal	No.	10		
14	Plain sockets, 32mm, PPR Beta/Turkplast/GM or equal	No.	12		
15	Union 32mm, PPR Beta/Turkplast/GM or equal	No.	10		
16	Elbow, 32mm, PPR Beta/Turkplast/GM or equal	No.	24		
17	Female Tee, 32mmx25mm, PPR Beta/Turkplast/GM or equal	No.	6		
18	Tee 32mm, PPR Beta/Turkplast/GM or equal	No.	6		
19	Bibcocks, Stainless steel, Master Brand or equal	No.	3		
20	Pipe clips, 32 mm	No.	12		
21	Teflon tap, jumbo size, china	No.	30		
22	Water Tanks plastic, 2000 Ltr, food grade with embossed labels, Supper Tuff, Prime Master, Equa Fit, Dura, Turkplast or equal for Sedimentation	No.	1		
23	Water Tanks plastic, 2000 Ltr, food grade with embossed labels, Supper Tuff, Prime Master, Equa Fit, Dura, Turkplast or equal for URF	No.	1		
24	Water Tanks plastic, 2000 Ltr, food grade with embossed labels, Supper Tuff, Prime Master, Equa Fit, Dura, Turkplast or equal for SSF	No.	2		
25	Water Tanks plastic, 2000 Ltr, food grade with embossed labels, Supper Tuff, Prime Master, Equa Fit, Dura, Turkplast or equal for Storage of clear water	No.	1		
26	Supply, screening, grading, washing and filling of Filtration media for URF as per design and specification	No.	2		
27	Digging of pipe trench and back filling for water supply line from main feeder line to proposed plant , 2 feet deep	Rft	200		

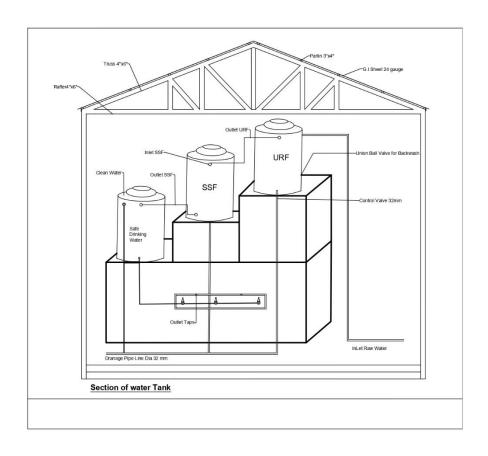


28	Supply, transportation and filling of sand filtration media for SSF as per design and specification	No.	1				
29	Mesh, 12mm and 9mm for screening of filtration media, 3'x5'	No.	2				
30	Construction of bed for URF, SSF and Clear Water Tanks as per design Step 1st= H 6ft,x W 5 ft x L 10ft, Step 2nd = H 5ft,x W 5ft x L 10ft, Stept 3rd = H 4ft,x W 5 ft x L 5ft, excavation 1ft depth for laying of lean 3' thick in foundation, stone masonry work and PCC 3"thick on top and cement plaster on walls and top floor of each portion	No.	1				
31	Provision of Shelter with iron pipes and GI sheets 13.6'x13'x10', covered with wire mesh all sides up to 6' high along with the wall of platform and fixing of water distribution point for consumers,	L/S	1				
32	White wash, weather shield distumper and paint	L/S	1				
33	Wages for technician with special skill	M/ days	4				
34	Plumbing charges	M/ days	4				
35	Wages for unkskilled labor/helper	M/ days	6				
36	Transportation Charges for layout, technical supervision, media preparation, filling and tank installation	L/S	1				
37	Services for Operation and maintenance cost for 2 years, followup visits, on job traning for skill transfer for operation, repair and maintenance technique	Visits	24				
38	Consultancy charges for designing, estimation, layout for construction, supervision, design development and printing of training modules and operational manual	Job	1				
39	Water Testing Charges Pre and Post	No.	2				
	Total Estimated Cost						

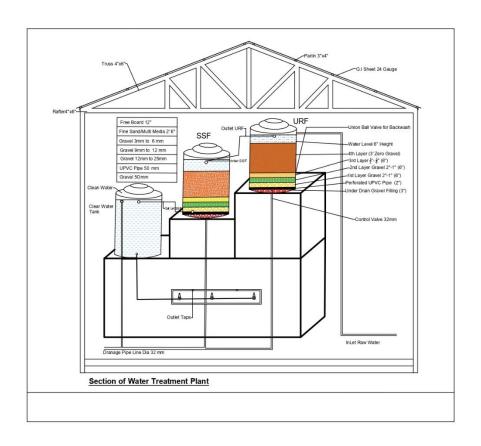


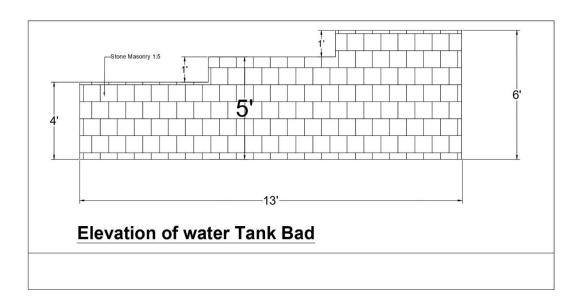
Annex- V













Notes:

- i- Delivery, Transportation and Installation at site shall be responsibility of the supplier.
- ii- Bidder will be responsible for fault free operations Purchaser Inspection committee will carry out the inspection of the items supplied. The decision of inspecting authority regarding approval or rejection of the items will be final and binding to all concerned.
- **iii-** The **O&M Period** of the Activity shall be 3 Months against which the Supplier/Contractor shall provide FOC Services and Rectification if any and when required.
- iv- **Delivery/Implementation Timelines** for this project is Approx <u>3 Months</u> from Signing of agreement



Annex-B

Format of Financial Proposal

i) Financial Proposal for required Goods/Services as per following details:

Sr. #	ITEMS	Unit	QUANTITIES	Unit Rate without Taxes	Total without Taxes		
(i)		Nos					
(ii)		Nos					
i	Sub Tot	al Witho	ut Taxes	i			
		GST %					
Grand Total Inclusive of All taxes (DDP Basis)							

Payment Terms:

Following Payment, the terms shall be followed:

Advance Payment Upon Signing of Contract	30 %
Upon Completion of 2x Sites	30 %
Upon Completion and Inspection of 2x Remaining Sites	35 %
Retention amount will be paid after completion of O&M Period	5 %

- a) The Contracts request(s) for payment shall be made to the WWF-Pakistan in writing, accompanied by an invoice, and delivery challans/Inspection Reports describing, as appropriate, the Equipment delivered upon the fulfillment of other obligations stipulated in the Contract.
- b) The currency of payment is Pak. Rupees.
- c) All Taxes shall be Deducted as per the Laws of Government of Pakistan
- d) If any Exemption on Taxes . Exemption Letter shall be provided along with the Financial Proposal.