

UNIVERSITY OF THE PUNJAB LAHORE

ENGINEER'S COST ESTIMATE

ABSTRACT

NAME OF WORK:-PROVISION OF STEEL SHED SIZE (88' X 188') AT FISH RESEARCH FARMS AT QAC.

Sr. No.	Quantity	Description of Works	Unit	Rate	Amount	MRS Chapter # & Sr. # of 2nd Bi Annual
A		Civil WORK (MRS ITEMS).				
1		Earthwork (Excavation)				
1.1		Excavation in foundation of building, Bridge and other than structure i/c deg				
b	300	Cft By Manual ii) in ordinary soil.	%Cft	8062.80	2,419	03 /21 b
1.2	200	Cft filling with surplus earth from foundation	%Cft	5107.85	1,022	03 / 15 i
2		CONCRETE WORK				
2.1	267.49	Cft P/L plain cement concrete i/c placing compacting, finishing and curing screening and washing of stone aggregates 1:2:4 ratio	% Cft.	38,747.00	103,644	06 / 5 f
2.20	235.39	Cft Carriage of 100 Cft of all material like stone aggregate . Spawl kankar lime surkhi etc or 150 Cft of timber by truck or by any	% Cft.	7500.00	17,654	01 / 01
Total (A)1 (i) FOR CIVIL WORK(MRS ITEMS) =					124,738	
B		Civil WORK (NON-MRS ITEMS).				
1	16720.00	Sft Provision of steel shed consisting of G.I Sheet Chenal Size 3"x1" as main rail @ 20' c/c i/c breacings of G.I chenal size 1.5" x 1" over G.I wire mesh 4' x 4' fixed in already embaded concrete in 6" dia pvc pipes local made omplete in all respects.	Per Sft	86	1,437,920	N.S
Total (B) FOR CIVIL WORK(NON-MRS ITEMS) =					1,437,920	
C		Public Health (Non MRS ITEMS).				
1		Providing, fixing of PVC Local make as directed by the Engineer Incharge				
	110	Rft (vi)6"(160 mm)	Per Rft	200	22,000	
Total For Public Health Work B (MRS ITEMS) II.					22,000	
Total (A+B+C) =					1,584,658	
Add 5% PST =					79,232.91	
Net Total (A+B+C) =					1,663,891	

UNIVERSITY OF THE PUNJAB LAHORE
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ABSTRACT

NAME OF WORK:- CONSTRUCTION OF STORAGE WATER TANKS OF FISH RESEARCH FARMS AT QAC.

Sr. No.	Quantity	Description of Works	Unit	Rate	Amount	MRS Chapter # & Sr. # of 2nd Bi Annual
A		Five Nos. Rectangular tanks				
I		Civil WORK (MRS ITEMS).				
1		Earthwork (Excavation)				
1.1		Excavation in foundation of building, Bridge and other than structure i/c deg billing, dressing, refilling lead upto 100' and lift 5' complete in all respect. a) b) By Excavator ii) in ordinary soil.				
b	1260	Cft By Manual ii) in ordinary soil.	%Cft	8062.80	10,161	03 / 21 b
1.2	840	Cft filling with surplus earth from foundation i/c compaction.	%Cft	5107.85	4,291	03 / 15 i
1.3	800.00	Cft Supplying and filling sand under floor; or plugging in wells.	% Cft.	4024.6	32,197	07 / 30
2		CONCRETE WORK				
2.1	211.20	Cft P/L plain cement concrete i/c placing compacting, finishing and curing screening and washing of stone aggregates 1:4:8 ratio complete in all respect .	% Cft.	29,598.20	62,511	06 / 5 i
2.2	141.58	Cft P/L plain cement concrete i/c placing compacting, finishing and curing screening and washing of stone aggregates 1:2:4 ratio complete in all respect .	% Cft.	38,747.00	54,856	06 / 5 f
2.3	241.97	Cft Providing, laying, watering and ramming brick ballast 1½"to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor	% Cft.	10017.2	24,239	10 / 3
2.40	124.59	Cft Carriage of 100 Cft of all material like stone aggregate . Spawl kankar lime surkhi etc or 150 Cft of timber by truck or by any	% Cft.	7500.00	9,344	01 / 01
3		BRICK WORK				
3.4	1253.89	Cft Pacca brick work in Other than building in cement, sand mortar:-Ratio 1:6.	% Cft.	35788.7	448,749	07 / 7 i
4		PLASTER WORK				
4.1	1535.00	Sft ¾" thick c/plaster 1:4 ratio on wall, on new surface complete in all respect	% Sft.	4496.85	69,027	11 / 9 c
5		FLOORING WORK				
5.1	640.00	Sft P/L 1½" thick mosaic flooring, consisting of ½" thick mosaic topping of one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips laid over 1" thick floor of 1:2:4 cement concrete i/c rubbing and polishing finishing, complete in all respect.(b) using Grey cement	% Sft.	20,031.30	128,200	10 / 22 a

Sr. No.	Quantity		Description of Works	Unit	Rate	Amount	MRS Chepter # & Sr. # of 2nd Bi Annual
5.2	720.00	Sft	P/L mosaic dado or skirting 3/8" thick with one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips laid over 1/2" thick cement plaster 1:3 i/c rubbing and polishing finishing complete in all respect(using Grey Cement).	% Sft.	19,815.40	142,671	10 / 37 a i
5.3	103.88	Cft	Providing and laying dry brick pavement/soling in streets or roads, etc. sand grouted, laid in proper camber, including preparation, watering, compaction of bed to proper camber, and sand cushion.	% Cft.	30,132.60	31,300	18 / 20
Total (A) I (i) FOR CIVIL WORK(MRS ITEMS) =						1,017,547	
B			Public Health (MRS ITEMS).				
1			Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe made of (Dadex /Popular/ Beta				
			b) PN-20 pipe				
	50	Rft	(iii)(1") 32 mm	Per Rft	107.05	5,353	23 / 47 b
	130	Rft	(iv) (1-1/4") 40 mm	Per Rft	161.45	20,989	23 / 47 b
2			Providing, fixing, testing and commissioning of μ -PVC (Unplasticized polyvinyl Chloride) Nikasi/ waste pipe make of dadex /Popular/Beta/BBJ plain				
			Type (SDR 32.5/SN-8)				
	25	Rft	(iv) 3"(85 mm)	Per Rft	163.85	4,096	19/47
3			Providing and fixing gun metal pect/gate valve (screwed):-				
	1	Each	ii) 40 mm(1 1/2") dia	Each	6025.80	6,026	20 / 31
Total For Public Health Work B (MRS ITEMS) II.						36,463	
C			Public Health (Non MRS ITEMS).				
1	5	Nos.	Providing & Fixing Handle Valve 3/4" dia Faisal or equivalent complete in all respects.	Each	2500.00	12,500	20 / 31
Total For Public Health Work C (Non MRS ITEMS) II.						12,500	
Total (A+B+C) =						1,066,510	
Total For Two Nos. Circular Tanks =						357,000	
Net Total (A+B+C) =						1,423,510	
Add 5% PST =						71,175.51	
Net Total (A+B+C) =						1,494,686	

UNIVERSITY OF THE PUNJAB LAHORE

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NAME OF WORK:- CONSTRUCTION OF CIRCULAR WATER TANK OF FISH RESEARCH FARMS AT QAC.

Sr. No.	Quantity	Description of Works	Unit	Rate	Amount	MRS Chapter # & Sr. # of 2nd Bi Annual
A		Civil WORK (MRS ITEMS).				
1		Earthwork (Excavation)				
1.1		Excavation in foundation of building, Bridge and other than structure i/c deg billing, dressing, refilling lead upto 100' and				
b	123	Cft By Manual ii) in ordinary soil.	%Cft	8062.80	988	03 /21 b
1.2	82	Cft filling with surplus earth from foundation i/c compaction.	%Cft	5107.85	417	03 / 15 i
1.3	42.41	Cft Supplying and filling sand under floor; or plugging in wells.	% Cft.	4024.6	1,707	07 / 30
2		CONCRETE WORK				
2.1	55.98	Cft P/L plain cement concrete i/c placing compacting, finishing and curing screening and washing of stone aggregates 1:4:8 ratio	% Cft.	29,598.20	16,570	06 / 5 i
2.2	4.81	Cft P/L plain cement concrete i/c placing compacting, finishing and curing screening and washing of stone aggregates 1:2:4 ratio	% Cft.	38,747.00	1,862	06 / 5 f
2.3	35.77	Cft Providing, laying, watering and ramming brick ballast 1½"to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor.	% Cft.	10017.2	3,583	10 / 3
2.40	4.23	Cft Carriage of 100 Cft of all material like stone aggregate . Spawl kankar lime surkhi etc or 150 Cft of timber by truck or by any	% Cft.	7500.00	317	01 / 01
3		BRICK WORK				
3.4	41.23	Cft Pacca brick work in Other than building in cement, sand mortar:-Ratio 1:6.	% Cft.	35788.7	14,756	07 / 7 i
4		PLASTER WORK				
4.1	34.41	Sft ½" thick c/plaster 1:4 ratio on wall, on new surface complete in all respect	% Sft.	4496.85	1,547	11 / 9 c
5		FLOORING WORK				
5.1	28.30	Sft P/L 1½" thick mosaic flooring, consisting of ½" thick mosaic topping of one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips laid over 1" thick floor of 1:2:4 cement concrete i/c rubbing and polishing finishing, complete in all respect.(b) using Grey cement	% Sft.	20,031.30	5,669	10 / 22 a
5.2	28.27	Sft P/L mosaic dado or skirting 3/8" thick with one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips laid over ½" thick cement plaster 1:3 i/c rubbing and polishing finishing complete in all respect(using Grey Cement).	% Sft.	19,815.40	5,603	10 / 37 a 1

Sr. No.	Quantity		Description of Works	Unit	Rate	Amount	MRS Chapter # & Sr. # of 2nd Bi Annual
5.3	23.56	Cft	Providing and laying dry brick pavement/soling in streets or roads, etc. sand grouted, laid in proper camber, including preparation, watering, compaction of bed to proper camber, and sand cushion.	% Cft.	30,132.60	7,100	18 / 20
5.3	6.00	Rft	Providing and laying R.C.C. pipe sewers, moulded with cement concrete 1:1½:3 conforming to ASTM Specification C-76-20, Class II, Wall B, including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc., complete. 72"	Per Rft	14,445.10	86,671	18 / 20
Total (A) I (i) FOR CIVIL WORK (MRS ITEMS) =						146,789	
B			Public Health (MRS ITEMS).				
1			Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe made of (Dadex /Popular/ Beta				
			b) PN-20 pipe				
	10	Rft	(iii) (1") 32 mm	Per Rft	107.05	1,071	23 / 47 b
	50	Rft	(iv) (1-1/4") 40 mm	Per Rft	161.45	8,073	23 / 47 b
2			Providing, fixing, testing and commissioning of µ-PVC (Unplasticized polyvinyl Chloride) Nikasi/ waste pipe make of dadex /Popular/Beta/BBJ plain				
			Type (SDR 32.5/SN-8)				
	10	Rft	(iv) 3" (85 mm)	Per Rft	163.85	1,639	19/47
3			Providing and fixing gun metal peet/gate valve (screwed):-				
	1	Each	ii) 40 mm (1½") dia	Each	6025.80	6,026	20 / 31
Total For Public Health Work B (MRS ITEMS) II.						16,807	
C			Public Health (Non MRS ITEMS).				
1	6	Nos.	Providing & Fixing Handle Valve 3/4" dia Faisal or equivalent complete in all respects.	Each	2500.00	15,000	20 / 31
Total For Public Health Work C (Non MRS ITEMS) II.						15,000	
Total (A+B+C) =						178,596	
Add 5% PST =						8,929.82	
Net Total (A+B+C) =						187,526	



Tender / Contract Documents

Contract form for Execution of Work

University of the Punjab Lahore - Pakistan

Name of Work: _____

Name of Contractor: _____

Renewed Vide No. _____

Estimated Cost of Work Rs. _____

Amount of Earnest Money Rs. _____

Time Limit: _____

Deposit At Call No: _____

Tender Fee Amounting to Rs: _____

Received Vide G.R. No _____ Dated: _____

Stamp & Signature