Annex 3

Lot #1

DETAILS OF MEASUREMENT

Water Supply System Construction for Post Harvesting Process of Quality Coffee Production (2019) **Intake/Break Pressure Tank Construction** (Inside Dimension ~ 3'-0" x 3'-0" x 3'-0")

Sr. No	Particular	Nos	Measurement			Content	Total	unit
			L	B	H			
1	Site clearing and leveling	1	6'-0"	6'-0"			36.00	sft
2	Earthwork excavation for foundation	1	14'-0"	1'-9"	1'-6"		36.75	cft
3	(1:3:6) Cement concrete work							
	6" thick foundation	1	14'-0"	1'-9"	0'-6"	12.25		
	3" thick flooring	1	3'-0"	3'-0"	0'-3"	2.25		
							14.50	cft
4	Brick work (Lime concrete block brick) in (1:3) cement mortar (11" x 4.5" x 6")							
		1	14'-0"	1'-0"	2'-0"	28.00		
		1	14'-0"	0'-6"	3'-0"	21.00		
							49.00	cft
5	(1:2:4) Reinforced cement concrete work							
	3" thick R.C concrete cover	1	4'-0"	4'-0"	0'-3"	4.00	4.00	cft
6	1/2" thick (1:3) cement mortar plastering							
	Interior wall	1	12'-0"	3'-0"		36.00		
	Exterior wall	1	16'-0"	3'-0"		48.00		
							84.00	sft
7	Pipe installation work							
	Overflow pipe	1 ½"Ø	1'-0"	1 nos			1.00	rft
	Wash out	1 ½"Ø	1'-0"	1 nos			1.00	rft
	End cap	1 ½"Ø		1 nos			1.00	no
	Inlet pipe	1 ½"Ø	1'-0"	1 nos			1.00	rft
	Outlet pipe	1 ½"Ø	5'-0"	1 nos			5.00	rft
	Union	1 ½"Ø		1 nos			1.00	no
	PVC Ball valve	1 ½"Ø		1 nos			1.00	no
	Tee 1½" -1" -1½" ø			1 nos			1.00	no
	Air release pipe	1"Ø	3'-6"	1 nos			3.50	rft

Lot #1

BUILDER ESTIMATE

Water Supply System Construction for Post Harvesting Process of Quality Coffee Production (2019) **Intake/Break Pressure Tank Construction** (Inside Dimension ~ 3'-0" x 3'-0" x 3'-0")

Sr. No	Particular and Labour & Material	Unit	Quantity	Remark
1	Site clearing and leveling (36.00 sft)			
	Worker	Nos	0.50	
2	Earth work excavation for foundation (36.75 cft)			
	Worker	Nos	1.00	
3	(1:3:6) Cement concrete work (14.50 cft)			
	Cement	Lbs	209	
	Sand	Cft	7	
	Chipping (¾" -1")	Cft	14	
	Mason	Nos	0.15	
	Worker	Nos	1.20	
4	Brick work 1st class in (1:3) cement mortar (49.00 cft)			
	Brick (Lime concrete block brick; 11" x 4.5" x 6")	Nos	206	
	Cement	Lbs	127	
	Sand	Cft	5.00	
	Mason	Nos	1.50	
	Worker	Nos	2.50	
5	(1:2:4) Reinforced cement concrete work (4.00 cft)			
	Cement	Lbs	83.00	
	Sand	Cft	1.84	
	Chipping (¾" -1")	Cft	3.68	
	3/8"ø M.S Bar (5.5" c/c; both ways) (3'-3" x 14 nos)	Lbs	18.00	
	Mason	Nos	0.08	
	Worker	Nos	0.60	
6	1/2" thick (1:3) cement mortar plastering (84.00 sft)			
	Cement	Lbs	126.00	
	Sand	Cft	4.20	
	Mason	Nos	0.84	
	Worker	Nos	1.68	
7	Pipe installation work			
	1½" ø PVC Ball valve	Nos	1.00	
	1½"-1" - 1½" ø G.I Tee	Nos	1.00	
	1½" ø G.I Union	Nos	1.00	
	1½" ø G.I End cap	Nos	1.00	
	1½" ø G.I pipe	Rft	8.00	
	1" ø G.I pipe	Rft	3.50	

Lot #2

DETAILS OF MEASUREMENT

Water Supply System Construction for Post Harvesting Process of Quality Coffee Production (2019)

Water Tank Construction (Inside Dimension ~ 5'-0" x 5'-0" x 3'-6")

Sr. No	Particular	Nos	Measurement			Content	Total	unit
			L	B	H			
1	Site Clearing and leveling	1	10'-0"	10'-0"		100	100.00	sft
2	Earthwork excavation for foundation							
	Water Tank	1	22'-0"	1'-6"	2'-0"	66.00		
							66.00	cft
3	(1:3:6) Cement concrete work for foundation (6" thick)							
	Water Tank	1	22'-0"	1'-6"	0'-6"	16.50		
							16.50	cft
4	Brick work (Lime Concrete Block Brick) in (1:3) cement mortar (11" x 4.5" x 6")							
	Water Tank	1	22'-0"	1'-0"	2'-0"	44.00		
		1	22'-0"	0'-6"	3'-6"	38.50		
							82.50	cft
5	(1:2:4) Cement concrete work for flooring							
	Water Tank	1	5'-0"	5'-0"	0'-4.5"	9.38		
							9.38	cft
6	1/2" thick (1:3) cement mortar plastering							
	Water Tank (Interior wall face)	1	20'-0"	3'-6"		70.00		
	Water Tank (Exterior wall face)	1	24'-0"	4'-0"		96.00		
	Water Tank (Top face)	1	22'-0"	0'-6"		11.00		
	Water Tank (Flooring)	1	5'-0"	5'-0"		25.00		
							202.00	sft
7	Pipe installation work							
	Inlet pipe (PVC Pipe)	1 1/2"Ø	1'-6"	1 nos			1.5	rft
	Outlet pipe (PVC Pipe) (*including pipe to PH Modules*)	1 1/2"Ø	14'-6"	1 nos			14.5	rft
	Overflow pipe (PVC Pipe)	1 1/2"Ø	1'-6"	1 nos			1.5	rft
	Wash Out pipe (PVC Pipe)	1 1/2"Ø	1'-6"	1 nos			1.5	rft
	PVC Ball valve at Outlet & Wash Out Pipe	1 1/2"Ø		2 nos			2	no

Lot #2

BUILDER's ESTIMATE

Water Supply System Construction for Post Harvesting Process of Quality Coffee Production (2019)

Water Tank Construction (Inside Dimension ~ 5'-0" x 5'-0" x 3'-6")

Sr. No	Particular and Labour & Material	Unit	Quantity	Remark
1	Site Clearing and leveling (100.00 sft)			
	Worker	Nos	0.50	
2	Earth work excavation for foundation (66 cft)			
	Worker	Nos	2.00	
3	(1:3:6) Cement concrete foundation work (16.50 cft)			
	Cement	Lbs	238	
	Sand	Cft	8	
	Chipping (¾" -1")	Cft	16	
	Mason	Nos	0.5	
	Worker	Nos	1.50	
4	Brick work 1st class in (1:3) cement mortar (82.5 cft)			
	Brick (Lime concrete block brick; 11" x 4.5" x 6")	Nos	340.00	
	Cement	Lbs	215.00	
	Sand	Cft	8.50	
	Mason	Nos	2.50	
	Worker	Nos	4.00	
5	(1:2:4) Cement concrete work for flooring (9.38 cft)			
	Cement	Lbs	194.00	
	Sand	Cft	4.50	
	Chipping (¾" -1")	Cft	9.00	
	Mason	Nos	0.50	
	Worker	Nos	1.00	
6	1/2" thick (1:3) cement mortar plastering (202 sft)			
	Cement	Lbs	303.00	
	Sand	Cft	10.00	
	Mason	Nos	2.00	
	Worker	Nos	4.00	
7	Pipe installation work (PVC & G.I Pipe)			
	1 1/2" ø PVC Pipe (8.5 bar)	No	1	(19 feet long)
	1 1/2" ø PVC Ball valve	No	2	
	Mason	Nos	0.50	