

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")

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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	

Lot # 5

DETAILS OF MEASUREMENT

Forest Nursery Construction at AD Programme Villages of Hopong and Loilen Townships (2019)

(Nursery Frame _ G.I Pipes; Dimension _ Length 56' x Width 50' x Height 7'; 1 Unit _ 21,000 Seedlings)

Sr. No	Particular	Nos	Measurement			Content	Total	unit
			L	B	H			
1	Site clearing and leveling	1	66'-0"	60'-0"		3960	3960	sft
2	Earthwork excavation for foundation							
	Post footings	36	0'-9"	0'-9"	0'-6"	10.12		
	Germination beds (23' x 39")	18	52'-0"	0'-6"	0'-4"	154.44		
							164.56	cft
3	(1:2:4) Cement concrete footings for G.I posts							
	G.I Posts	36	0'-9"	0'-9"	1'-3"	25.31		
							25.31	cft
4	(1:3:6) Cement concrete work for foundation of brick wall and flooring of walk way							
	Flooring for whole area	1	56'-0"	50'-0"	0'-1.5"	350.00		
	<i>Deduction _ for germination beds</i>	18	24'-0"	4'-3"	0'-1.5"	229.50		
	Foundation of brick wall of germination beds	18	54'-0"	0'-6"	0'-3"	121.50		
							242.00	cft
5	4 1/2" thick Brick (Local product) work 1st class in (1:4) cement mortar							
	Germination beds	18	54'-0"		0'-6"		486	sft
6	1/2" thick plastering with (1:4) cement mortar							
	Germination beds	18	56'-0"	0'-21"			1764	sft
7	G.I Pipes and accessories							
a	2"Ø G.I Pipe for Posts	36 post	8'-0"		288 rft		17	no.
	2"Ø G.I Socket for G.I pipe connection	L.S					17	no.
b	1 1/2"Ø G.I Pipe for Tie beams (Horizontal alignment)	6 row	56'-0"		336 rft	636 rft	33.50	no.
	1 1/2"Ø G.I Pipe for Tie beams (Vertical alignment)	6 row	50'-0"		300 rft			
	1 1/2"Ø G.I Socket for G.I pipe connection	L.S						
c	fixing of Tie beams with G.I Posts						24	no.
	_ 2"Ø G.I Tee at top of Center posts	16 post					16	no.
	_ 2 1/2"Ø G.I Pipe sockets at top of Center posts	16 post	2 side	0'-6"	16 rft		0.84	no.
	_ 2"Ø G.I Elbow at top of Corner posts	4 no.					4	no.
	_ 2 1/2"Ø G.I Pipe sockets at top of Corner posts	4 post	1 side	0'-6"	2 rft		0.10	rft
	_ 2"Ø G.I Tee at top of Side posts	16 post					16	no.
	_ 2 1/2"Ø G.I Pipe sockets at top of Side posts	16 post	1 side	0'-6"	8 rft		0.42	rft
8	Provision of Hortinet for roofing (100 yd x 2 yd; Shade 50%)	9 row	75 ft per row		675 ft	225 yd	2.25	roll

9	Provision of 3/4" Ø PVC Pipe for supply of irrigation water	L.S					10	no.

Lot # 5
BUILDER'S ESTIMATE

Forest Nursery Construction at AD Programme Villages of Hopong and Loilen Townships (2019)
(Nursery Frame _ G.I Pipes; Dimension _ Length 56' x Width 50' x Height 7'; 1 Unit _ 21,000 Seedlings)

Sr. No	Particular and Labour & Material	Unit	Quantity	Remark
1	Site clearing and leveling (3960 sft)			
	Worker	Nos	8	
2	Earth work excavation for foundation (164.568 cft)			
	Worker	Nos	3	
3	(1:2:4) Cement concrete work (25.31 cft)			
	Cement	Lbs	524.00	
	Gravel	Cft	24.00	
	Sand	Cft	12.00	
	Mason	Nos	0.25	
	Worker	Nos	2.53	
4	(1:3:6) Cement concrete work (242 cft)			
	Cement	Lbs	3485	
	Gravel	Cft	232	
	Sand	Cft	116	
	Mason	Nos	2.42	
	Worker	Nos	19.36	
5	4 1/2" tk; Brick work 1st class in (1:4) cement mortar (486 sq-ft)			
	Brick (Local block brick) (11" x 4.5" x 6")	Nos	1070.00	
	Cement	Lbs	1167.00	
	Sand	Cft	54.00	
	Mason	Nos	9.50	
	Worker	Nos	14.50	
6	1/2" thick Plastering with (1:4) cement mortar (1764 sft)			
	Cement	Lbs	1985.00	
	Sand	Cft	88.00	
	Mason	Nos	17.64	
	Worker	Nos	35.28	
7	G.I Pipes and accessories			
	2" Ø G.I Pipe	No	17	
	2" Ø G.I Socket	No	17	
	2" Ø G.I Tee	No	32	
	2" Ø G.I Elbow	No	4	
	1 1/2" Ø G.I Pipe	No	36	
	1 1/2" Ø G.I Socket	No	24	
	2 1/2" Ø G.I Pipe	No	2	
8	Hortinet	Roll	2.5	
9	3/4" Ø PVC Pipe (19' long)	No	10	

