## **Ethiopian Center for Disability and Development (ECDD)**

## **Engineering Department**

Project Name: HUDEPE AID 12279

Project Location: Bambasi R.Camp, Assosa

SUMM.	ARV	OF	ROO
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No	ConstructionLists	Amount	Unit
1	Accessible Toilet		Birr
2	Septic Tank		Birr
3	Water Tanker With Elevation Column		Birr
4	Accessible Ramp		Birr
5	Signage		Birr
	Total Amount		Birr
	Rebate		Birr
	Total Amount after rebate		Birr
	Vat (15%)		Birr
	Grand Total		Birr



	Summery of Ramp, Bambasi R.Camp, Assosa						
No	Description	Unit	Amount				
1	Five Ramps 1 RRS Health Center: Admission, Emergency, OPD , Prenatal & Reception (15cmX187.5X120cm)	Birr					
2	Ramp 2: RRS Health Center Toilet Room (15cmX187.5X120cm)	Birr					
3	Walkway at RRS Health Center from Ward to Emergency Room (19mX1.5m)	Birr					
4	Ramp 3: RRS Health Center: Nutrition Center/Food Distribution (50cmX625cmX150cm)	Birr					
5	5 Ramp 4 RRS Health Center NCD (30cmX375cmX150cm)						
6	Ramp 5: RRS Health Center, NRC Building (67cmX840cmX200cm)						
7	7 Ramp at RRS Office: Logistic office (83cmX1037.5cmX120cm)						
8 Ramp at RRS Office: PWD & Youth Association (25cmX312.5cmX165cm)		Birr					
9	9 Walkway 2 at Youth Education and Training Program compound (900cmX150cm)						
10	Ramp at ICT Workshop	Birr					
11	Ramp at Day Care (32cmX400cmX120cm)	Birr					
12	Ramp at Youth Center C, Meeting Hall (26cmX325cmX145cm)	Birr					
13	Ramp at Child Friendly Service Zone B, Adminstration office (60cmX750cmX150cm)	Birr					
14	Ramp at Child Friendly Zone A, Class Room (75cmX940cmX150cm)	Birr					
15	Ramp at Child Friendly, Zone B, Admin Office (40cmX500cmX150cm)						
16	Ramp at Child Friendly Zone B, Class Room (75cmX940cmX150cm)						
17	Ramp at Child Friendly Zone B, Class Room (75cmX940cmX150cm)						
18	Ramp at Food Distribution Center (75cmX940cmX150cm)	Birr					
	Total Summery of Ramp	Birr					

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## Ethiopian Center for Disability and Development (ECDD) Engineering Department

Project Name: HUDEPE - AID 12279 Project Location: Bambasi R.Camp, Assosa

Pinch Discripion  1.Exacavation & ear  1.1 Demolution of existing mini ramp  1.2 Clear the site an average depth of 200mm  1.3 Trench excavation for 40cm thick stone in  1.4 Back fill with non expansive material & exceeding 20cm thickness.  1.5 Sill under hard-core to maintain the desire borrowed material and compact in layers in borrowed material and compact in layers in 1.6 Cart away surplus excavated material to a from the site.  Total Carried to Sure 2. Concrete wo 2.1 Reinforced Concrete class C-25, 400kgs of filled into form work and vibrated around work and Rebar measured separately.)  In 25mm thick lean concrete  In 100mm thick ramp slab with curb stone grooved texture at the bottom and top land approved type yellow metallic emulsion pofice  2.2 Steel reinforcement according to structura cutting, bending, tying wires & placing in Φ8mm deformed bar  Total Carried to Sure 3. Form Work and apply three coats of plaster in centile finish to all masonry surfaces. Plastering was surface pre-cleaning, preparation, chiseling the end of finishing work.  Total Carried to Sure 5. Metal work 5.1 Supply & fix dia. 50mm 2.5mm thick circ pipe/rail with the height of 0.3m, 0.7m an ramp edge and the garb bar secured to ver antirust and green metallic paint to see mounted on the ramp with 0.9m arm with 0.9m to be mounted on the ramp with 0.9m to be mo		of the second	Specification & Bill of quantities for Bambasi R.Camp, Assosa ive Ramps: RRS Health Center: Admission, Emergency, OPD, Prenatal & Reception (15cmX187.5X120cm)						
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wall bedded on cement & sand mortar mix level and apply three coats of plaster in ce finish to all masonry surfaces. Plastering surface pre-cleaning, preparation, chiselin the end of finishing work.  Total Carried to Sur 5. Metal work  Supply & fix dia. 50mm 2.5mm thick circ pipe/rail with the height of 0.3m, 0.7m an ramp edge and the garb bar secured to ver antirust and green metallic paint  5.2 Supply & fix dia. 50mm, 2.5mm thick circ pipe/rail with the height of 0.9m, 0.15 ho has to be mounted on the ramp with 0.9m	nry								
5.1 Supply & fix dia. 50mm 2.5mm thick circ pipe/rail with the height of 0.3m, 0.7m an ramp edge and the garb bar secured to ver antirust and green metallic paint  5.2 Supply & fix dia. 50mm, 2.5mm thick circ pipe/rail with the height of 0.9m, 0.15 ho has to be mounted on the ramp with 0.9m	x (1:3) ratio below ground ement mortar (1:3) up to fine work shall include all	m³	3.94						
<ul> <li>5.1 Supply &amp; fix dia. 50mm 2.5mm thick circ pipe/rail with the height of 0.3m, 0.7m an ramp edge and the garb bar secured to ver antirust and green inctallic paint</li> <li>5.2 Supply &amp; fix dia. 50mm, 2.5mm thick circ pipe/rail with the height of 0.9m, 0.15 ho has to be mounted on the ramp with 0.9m</li> </ul>									
pipe/rail with the height of 0.3m, 0.7m an ramp edge and the garb bar secured to ver antirust and green metallic paint  5.2 Supply & fix dia. 50mm, 2.5mm thick circ pipe/rail with the height of 0.9m, 0.15 ho has to be mounted on the ramp with 0.9m									
pipe/rail with the height of 0.9m, 0.15 ho has to be mounted on the ramp with 0.9m	nd 0.9m mounted on the	ml	0.00						
length and coated with antirust and green	ook length in each post and it spacing along the ramp	ml	0.00	Car					
Total Carried to Sur	mmary	altitude le	ET SINTE	m37. 5					

am	o: RRS Health Center Toilet Room (15cmX187.5X120cm)	and the	PO PEUDIN		he Armiticonsell
tem	Discripion	Unit	Qty.	Rate	Amount
-	1.Exacavation & earth work	- 0.111	Ψ0.	Nate	rinount
1.1	Clear the site an average depth of 200mm.	m <sup>2</sup>	2.63		
2011	Trench Excavation for 40cm thick stone masonry with working space		2.03		
		m <sup>3</sup>	0.69		
1.3	Back fill with non expansive material & compact in layers not			1	
	exceeding 20cm thickness.	m <sup>3</sup>	0.35	1	
1.4	250mm thick basaltic or sound approved stone Hard core and blinded				No officer and the second
5205.000	with 20mm crushed aggregate.	m <sup>2</sup>	0.28	i	
.07	Fill under hard-core to maintain the desired level with selected				
	borrowed material and compact in layers not exceeding 200mm.	m <sup>3</sup>	0.03	Į	
1.5	Cart away surplus excavated material to a distance not exceeding 5km		0.03		
17.0000	from the site.	m <sup>3</sup>	1.22		
-	Total Carried to Summary		1.22		
-	2. Concrete work	$\rightarrow$			
2.1	Reinforced Concrete class C-25, 400kgs of cement /m3 of concrete				
	filled into form work and vibrated around steel reinforcement (Form		1		
	work and Rebar measured separately.				
-	In 25mm thick lean concret	2			
_	11 (1) TO 20 CONT TO WE EXCENSE OF THE PARTY OF THE	m²	1.98		
	In 150mm thick ramp slab with curb stone (12cm*12cm) apply	- 1	4	1	
	grooved texture at the bottom and top landing with three coats of approved type yellow metallic emulsion paint to all exposed surface	- 1		1	
	of re	m <sup>2</sup>	2.26		
2.2	Steel reinforcement according to structural drawings including	m	2.26		
2.2	cutting, bending, tying wires & placing in position.	- 1			
	cutting, bending, tying wires at placing in position.				
	Φ8mm deformed bar	Kg	13.10		
	Total Carried to Summary				
_	2. Form Work				
3.1	300mm form work for Ramp and landing	m²	0.83		
_	Total Carried to Summary				
37-37	4. Stone Masonry				
4.1	500mm thick hard trachytic or equivalent masonry stone foundation	Ī			
1	wall bedded on cement & sand mortar mix (1:3) ratio below ground	- 1	ı		
	level and apply three coats of plaster in cement mortar (1:3) up to fine finish to all masonry surfaces. Plastering work shall include all		1		
	surface pre-cleaning, preparation, chiseling, polishing and cleaning at		1	1	
	the end of finishing work.	m³	0.50		
_		m	0.79		
_	Total Carried to Summary				
5.1	5. Metal work				
J. I	Supply & fix dia. 50mm 2.5mm thick circular horizontal metal pipe/rail with the height of 0.3m, 0.7m and 0.9m mounted on the	- 1			
	ramp edge and the garb bar secured to vertical post and painted with	- 1			
ļ	green metallic color.	, ml	0.00		
5.2	Supply & fix dia. 50mm, 2.5mm thick circular Vertical metal	ml	0.00		
۷.۷	pipe/rail with the height of 0.9m hook length and it has to be	ı			
	mounted on the ramp with 0.9m spacing along the ramp length and	- 1		- 1	
	painted with green metallic color.	m!	0.00		
	Total Carried to Summary	ml	0.00		

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Valk	way at RRS Health Center from Ward to Emergency Room (19m)	(1.5m)	29000 100	A STATE OF THE STATE OF	
Item	Discripion	Unit	Qty.	Rate	Amount
	1.Exacavation & earth work	- Onic	7.5.		, moan
1.1	Clear the site an average depth of 200mm.	m <sup>2</sup>	36.10		
1.2	Trench Excavation for 40cm thick stone masonry with working space				
		m <sup>3</sup>	6.74	- 1	
1.3	Back fill with non expansive material & compact in layers not	- in	0.74		4
	exceeding 20cm thickness.	m <sup>3</sup>	2.77	1	
	250mm thick basaltic or sound approved stone Hard core and blinded		2.77		
	with 20mm crushed aggregate.	m <sup>2</sup>	9.25		
	Fill under hard-core to maintain the desired level with selected	-111	9.23		
	borrowed material and compact in layers not exceeding 200mm.	3	0.00		
		m³	0.93		
1.5	Cart away surplus excavated material to a distance not exceeding 5km from the site.	m <sup>3</sup>	13.96		
	Total Carried to Summary				
	2. Concrete work				
	Reinforced Concrete class C-25, 400kgs of cement /m3 of concrete				
	filled into form work and vibrated around steel reinforcement (Form				
	work and Rebar measured separately.				
	In 25mm thick lean concret	m <sup>2</sup>	19.25		
	In 150mm thick ramp slab with curb stone (12cm*12cm) apply				
- 1	grooved texture at the bottom and top landing with three coats of	1	ì		
	approved type yellow metallic emulsion paint to all exposed surface			1	
	of rc	m <sup>2</sup>	28.50		
- 1	15cm X 30cm curbstone along both sides of the walkway	m3	1.71	i	
2.2	Steel reinforcement according to structural drawings including	1			
	cutting, bending, tying wires & placing in position.				
	Φ8mm deformed bar	Kg	158.20		
Ť	Total Carried to Summary				
	2. Form Work				
3.1	300mm form work with all necesssary works forwalkway slab and				
	curbstone	m <sup>2</sup>	28.50		
	Total Carried to Summary				
	4. Stone Masonry				
	500mm thick hard trachytic or equivalent masonry stone foundation				
	wall bedded on cement & sand mortar mix (1:3) ratio below ground			i	
	level and apply three coats of plaster in cement mortar (1:3) up to fine				
	finish to all masonry surfaces. Plastering work shall include all	1		i	
	surface pre-cleaning, preparation, chiseling, polishing and cleaning at	,		1	
_	the end of finishing work.	m <sup>3</sup>	10.59		
_	Total Carried to Summary				
	5. Metal work				
COSTA	Supply & fix dia. 50mm 2.5mm thick circular horizontal metal				
	pipe/rail with the height of 0.3m, 0.7m and 0.9m mounted on the		l l	I	
	ramp edge and the garb bar secured to vertical post and painted with		1	- 1	
	green metallic color	ml	0.00		
	Supply & fix dia. 50mm, 2.5mm thick circular Vertical metal				
	pipe/rail with the height of 0.9m hook length and it has to be		1	I	
	mounted on the ramp with 0.9m spacing along the ramp length and			I	
	painted with green metallic color	ml	0.00		
$\perp$	Total Carried to Summary				

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Center for Disabito

Ramp: RRS Health Center: Nutrition Center/Food Distribution (50cmX625cmX150cm)							
tem		Unit	Qty.	Rate	Amount		
	1.Exacavation & earth work	Onit	Q13.	Nate	Amount		
1.1	Clear the site an average depth of 200mm.	m <sup>2</sup>	10.63				
	Trench Excavation for 40cm thick stone masonry with working space	- 111	10.03				
1.2	Trenen Excavation for 40cm thick stone masonly with working space	3	2 22	1			
	D 1 CH 31	m <sup>3</sup>	2.28				
1.5	Back fill with non expansive material & compact in layers not	m³	0.00				
1.4	exceeding 20cm thickness.	m.	0.98				
1.4	250mm thick basaltic or sound approved stone Hard core and blinded with 20mm crushed aggregate.	m <sup>2</sup>	2 00				
107	Fill under hard-core to maintain the desired level with selected	m	2.88				
1.07	borrowed material and compact in layers not exceeding 100mm.			- 1			
	borrowed material and compact in layers not exceeding roomin.	m³	0.29				
1.5	Cart away surplus excavated material to a distance not exceeding 5km						
	from the site.	m³	4.40				
	Total Carried to Summary						
	2. Concrete work						
2.1	Reinforced Concrete class C-25, 400kgs of cement /m3 of concrete						
	filled into form work and vibrated around steel reinforcement (Form	1					
	work and Rebar measured separately.						
	In 25mm thick lean concret	m <sup>2</sup>	6.50				
-	In 150mm thick ramp slab with curb stone (12cm*12cm) apply		0.50				
	grooved texture at the bottom and top landing with three coats of			10			
	approved type yellow metallic emulsion paint to all exposed surface	- 1					
	ofre	m <sup>2</sup>	8.75				
2.2	Steel reinforcement according to structural drawings including		0.75				
	cutting, bending, tying wires & placing in position.		1				
.,							
_	Φ8mm deformed bar	Kg	52.44				
_	Total Carried to Summary						
2.	2. Form Work	,			and the same of the same of		
٥.1	300mm form work for Ramp and landing	m <sup>2</sup>	3.13				
	Total Carried to Summary	1					
	4. Stone Masonry						
4.1	500mm thick hard trachytic or equivalent masonry stone foundation						
	wall bedded on cement & sand mortar mix (1:3) ratio below ground	- 1	1				
	level and apply three coats of plaster in cement mortar (1:3) up to line	- 1					
	finish to all masonry surfaces. Plastering work shall include all	- 1					
	surface pre-cleaning, preparation, chiseling, polishing and cleaning at	- 1	İ				
	the end of finishing work.	m <sup>3</sup>	3.53				
	Total Carried to Summary						
	5. Metal work						
5.1	Supply & fix dia. 50mm 2.5mm thick circular horizontal metal						
	pipe/rail with the height of 0.3m, 0.7m and 0.9m mounted on the	- 1	l				
	ramp edge and the garb bar secured to vertical post and painted with		ſ				
	green metallic color	ml	38.70				
5.2	Supply & fix dia. 50mm, 2.5mm thick circular Vertical metal						
	pipe/rail with the height of 0.9m hook length and it has to be		1				
	mounted on the ramp with 0.9m spacing along the ramp length and	- 1					
	painted with green metallic color	ml	18.27				
	Total Carried to Summary		1)	CV-275			
_	Total Summary For Ramp 4 Library	-	1				

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Ment Association

n	p: RRS Health Center NCD (30cmX375cmX150cm)			mark and a second	HS 7 and top's
m	Discripion	Unit	Qty.	Rate	Amount
	I.Exacavation & earth work				
	Clear the site an average depth of 200mm.	m <sup>2</sup>	6.38		
1.2	Trench Excavation for 40cm thick stone masonry with working space	,			
		m <sup>3</sup>	1.84		
1.3	Back fill with non expansive material & compact in layers not	m³	0.01		
1.4	exceeding 20cm thickness.	m	0.81		44.7
1.4	250mm thick basaltic or sound approved stone Hard core and blinded with 20mm crushed aggregate.	m <sup>2</sup>	1.63	I	
07	Fill under hard-core to maintain the desired level with selected		1.03		
	borrowed material and compact in layers not exceeding 200mm.	m³	0.16		
1.5	Cart away surplus excavated material to a distance not exceeding 5km	-111	0.16		
1.5	from the site.	m <sup>3</sup>	3.11	i	
_	Total Carried to Summary				
	2. Concrete work		, a di	21 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	
2.1	Reinforced Concrete class C-25, 400kgs of cement /m3 of concrete				
	filled into form work and vibrated around steel reinforcement (Form		1		
	work and Rebar measured separately.				
	In 25mm thick lean concret	m <sup>2</sup>	4.00		
-	In 150mm thick ramp slab apply grooved texture at the bottom and				
	top landing with three coats of approved type yellow mctallic	1			
	emulsion paint to all exposed surface of rc	m²	5.63		
2.2	Steel reinforcement according to structural drawings including				
	cutting, bending, tying wires & placing in position.	- 1		1	
-	Φ8mm deformed bar	Kg	31.70		
	Total Carried to Summary				
	2. Form Work			i	11
3.1	300mm form work for Ramp and landing	m <sup>2</sup>	1.88		
	Total Carried to Summary				VI. 20 100 100 100 100 100 100 100 100 100
	4. Stone Masonry				
4.1	500mm thick hard trachytic or equivalent masonry stone foundation				
	wall bedded on cement & sand mortar mix (1:3) ratio below ground		- 1		
	level and apply three coats of plaster in cement mortar (1:3) up to fine	1			
	finish to all masonry surfaces. Plastering work shall include all surface pre-cleaning, preparation, chiseling, polishing and cleaning at			ľ	
	the end of finishing work.	3	220.000		
	C 2025 - P. 1743 - ASSE - PRODUNE PRODUNE POST SERVICE PRODUNE PRODUNE POST SERVICE PRODUNE POST SERVICE PRODUNE POST SERVICE PRODUNE POST SERVICE	m³	2.15		
	Total Carried to Summary	$\rightarrow$			
5 1	5. Metal work				
5.1	Supply & fix dia. 50mm 2.5mm thick circular horizontal metal pipe/rail with the height of 0.3m, 0.7m and 0.9m mounted on the	- 1			
8	ramp edge and the garb bar secured to vertical post and painted with	- 1	1		
	green metallic color	mal	22.70	1	
5.2	Supply & fix dia. 50mm, 2.5mm thick circular Vertical metal	ml	23.70		
	pipe/rail with the height of 0.9m hook length and it has to be				
	mounted on the ramp with 0.9m spacing along the ramp length and				
	painted with green metallic color	ml	11.88		
	Total Carried to Summary		7		
_	Total Summary For Ramp	-			

Philer for Disability

m	p: RRS Health Center, NRC Building (67cmX840cmX200cm)	SAME THE SAME			
em	Discripion	Unit	Qty.	Rate	Amount
	1.Exacavation & earth work				
	Clear the site an average depth of 200mm.	m <sup>2</sup>	18.48		
_	Trench Excavation for 40cm thick stone masonry with working space	m³	3.12		
	Back fill with non expansive material & compact in layers not exceeding 20cm thickness.	m³	1.32		
1.4	250mm thick basaltic or sound approved stone Hard core and blinded with 20mm crushed aggregate.	m²	7.90		
.07	Fill under hard-core to maintain the desired level with selected borrowed material and compact in layers not exceeding 200mm.	m³	0.79		
1.5	Cart away surplus excavated material to a distance not exceeding 5km from the site.	m <sup>3</sup>	6.81		-
_	Total Carried to Summary				
2.1	2. Concrete work Reinforced Concrete class C-25, 400kgs of cement /m3 of concrete filled into form work and vibrated around steel reinforcement (Form work and Rebar measured separately.				
	In 25mm thick lean concret	m <sup>2</sup>	8.90		
	In 150mm thick ramp slab apply grooved texture at the bottom and top landing with three coats of approved type yellow metallic emulsion paint to all exposed surface of rc	m²	16.80		
2.2	Steel reinforcement according to structural drawings including cutting, bending, tying wires & placing in position.				
	Φ8mm deformed bar	Kg	81.33		
	Total Carried to Summary				
	2. Form Work				
3.1	300mm form work for Ramp and landing	m²	5.04		
	Total Carried to Summary				
4.1	4. Stone Masonry 500mm thick hard trachytic or equivalent masonry stone foundation wall bedded on cement & sand mortar mix (1:3) ratio below ground level and apply three coats of plaster in cement mortar (1:3) up to fine finish to all masonry surfaces. Plastering work shall include all surface pre-cleaning, preparation, chiseling, polishing and cleaning at the end of finishing work.	m³	4.80		
	Total Carried to Summary				
5.1	5. Metal work Supply & fix dia. 50mm 2.5mm thick circular horizontal metal pipe/rail with the height of 0.3m, 0.7m and 0.9m mounted on the ramp edge and the garb bar secured to vertical post and painted with green metallic color	ml	51.60		
5.2	Supply & fix dia. 50mm, 2.5mm thick circular Vertical metal pipe/rail with the height of 0.9m hook length and it has to be mounted on the ramp with 0.9m spacing along the ramp length and painted with green metallic color	ml	23.77		
OH!	Total Carried to Summary	POLITICAL PROPERTY.	X	1	AND THE RESERVE OF THE PERSON NAMED IN

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n	p at RRS Office: Logistic office (83cmX1037.5cmX120cm)	1902,150			Called St.
m	Discripion	Unit	Qty.	Rate	Amount
	1.Exacavation & earth work				
1.1	Clear the site an average depth of 200mm.	m <sup>2</sup>	17.63		
1.2	Trench Excavation for 40cm thick stone masonry with working space				
		m <sup>3</sup>	3.72		
1.3	Back fill with non expansive material & compact in layers not				
	exceeding 20cm thickness.	m <sup>3</sup>	1.56		
1.4	250mm thick basaltic or sound approved stone Hard core and blinded				
- 0	with 20mm crushed aggregate.	m <sup>2</sup>	4.94		
.07	Fill under hard-core to maintain the desired level with selected	Ī			
	borrowed material and compact in layers not exceeding 200mm.	m <sup>3</sup>	0.49	- 1	
1.5	Cart away surplus excavated material to a distance not exceeding 5km				
	from the site.	m <sup>3</sup>	7.24		
	Total Carried to Summary				
	2. Concrete work				
2.1	Reinforced Concrete class C-25, 400kgs of cement /m3 of concrete				
	filled into form work and vibrated around steel reinforcement (Form	- 1	1	1	
_	work and Rebar measured separately.				
	In 25mm thick lean concret	m <sup>2</sup>	10.62		
	In 150mm thick ramp slab apply grooved texture at the bottom and				
	top landing with three coats of approved type yellow metallic	- 1			
	emulsion paint to all exposed surface of rc	m²	15.56		
2.2	Steel reinforcement according to structural drawings including		15.50		
	cutting, bending, tying wires & placing in position.	- 1			
	Φ8mm deformed bar	Kg	86.61		
-	Total Carried to Summary				
-	2. Form Work	-			
3.1	300mm form work for Ramp and landing	m <sup>2</sup>	4.45		
-	Total Carried to Summary	111	4.45		
_	4. Stone Masonry				
4.1	500mm thick hard trachytic or equivalent masonry stone foundation				
7.1	wall bedded on cement & sand mortar mix (1:3) ratio below ground	- 1		1	
	level and apply three coats of plaster in cement mortar (1:3) up to fine		3	- 1	
	finish to all masonry surfaces. Plastering work shall include all		4		
- 7	surface pre-cleaning, preparation, chiseling, polishing and cleaning at	1			
	the end of finishing work.	m <sup>3</sup>	5.79		
	Total Carried to Summary				
	5. Metal work				
5.1	Supply & fix dia. 50mm 2.5mm thick circular horizontal metal				
	pipe/rail with the height of 0.3m, 0.7m and 0.9m mounted on the	I		- 1	
	ramp edge and the garb bar secured to vertical post and painted with	- 1			
	green metallic color	ml	63.42		
5.2	Supply & fix dia. 50mm, 2.5mm thick circular Vertical metal				
	pipe/rail with the height of 0.9m hook length and it has to be		1	- 1	
	mounted on the ramp with 0.9m spacing along the ramp length and			I	
	painted with green metallic color	ml	28.80		
	Total Carried to Summary	71	min min		Children or the



ım	p at RRS Office: PWD & Youth Association (25cmX312.5cmX165c	m)			HOLES MELLE
tem	Discripion	Unit	Qty.	Rate	Amount
	1.Exacavation & earth work				
-	Clear the site an average depth of 200mm.	m <sup>2</sup>	5.77		
1.2	Trench Excavation for 40cm thick stone masonry with working space	m <sup>3</sup>	1.21		
1.3	Back fill with non expansive material & compact in layers not exceeding 20cm thickness.	m³	0.55		
1.4	250mm thick basaltic or sound approved stone Hard core and blinded with 20mm crushed aggregate.	m²	1.70		
1.07	Fill under hard-core to maintain the desired level with selected borrowed material and compact in layers not exceeding 200mm.	m³	0.17		
1.5	Cart away surplus excavated material to a distance not exceeding 5km from the site.	m³	2.36		-
	Total Carried to Summary		2.50	<del></del>	
	2. Concrete work  Reinforced Concrete class C-25, 400kgs of cement /m3 of concrete filled into form work and vibrated around steel reinforcement (Form work and Rebar measured separately.				
	In 25mm thick lean concret	m <sup>2</sup>	3.45		
	In 150mm thick ramp slab apply grooved texture at the bottom and top landing with three coats of approved type yellow metallic emulsion paint to all exposed surface of rc	m²	5.15		
	Steel reinforcement according to structural drawings including cutting, bending, tying wires & placing in position.				
	Φ8mm deformed bar	Kg	29.00		
	Total Carried to Summary				
	2. Form Work				
3.1	300mm form work for Ramp and landing	m²	1.58		
	Total Carried to Summary				
	4. Stone Masonry 500mm thick hard trachytic or equivalent masonry stone foundation				
	wall bedded on cement & sand mortar mix (1:3) ratio below ground level and apply three coats of plaster in cement mortar (1:3) up to fine finish to all masonry surfaces. Plastering work shall include all surface pre-cleaning, preparation, chiseling, polishing and cleaning at the end of finishing work.	m³	1.44		
	Total Carried to Summary				
	5. Metal work				
	Supply & fix dia. 50mm 2.5mm thick circular horizontal metal pipe/rail with the height of 0.3m, 0.7m and 0.9m mounted on the ramp edge and the garb bar secured to vertical post and painted with green metallic color	ml	19.92		
	Supply & fix dia. 50mm, 2.5mm thick circular Vertical metal pipe/rail with the height of 0.9m hook length and it has to be mounted on the ramp with 0.9m spacing along the ramp length and painted with green metallic color	ml	10.27		
	Total Carried to Summary		7	7	

7.75. 4.114-7 co. 5.

Conter for Disability

Valkway 2 at Youth Education and Training Program compound (900cmX150cm)							
tem	Discripion	Unit	Qty.	Rate	Amount		
	1.Exacavation & earth work						
1.1	Clear the site an average depth of 200mm.	m <sup>2</sup>	15.30				
1.2	Trench Excavation for 40cm thick stone masonry with working space	m³	3.24				
1.3	Back fill with non expansive material & compact in layers not exceeding 20cm thickness.	m <sup>3</sup>	1.37		7 - 1		
1.4	250mm thick basaltic or sound approved stone Hard core and blinded with 20mm crushed aggregate.	m <sup>2</sup>	4.25				
1.07	Fill under hard-core to maintain the desired level with selected borrowed material and compact in layers not exceeding 200mm.	m³	0.43				
1.5	Cart away surplus excavated material to a distance not exceeding 5km from the site.	m³	6.30				
	Total Carried to Summary						
2.1	2. Concrete work Reinforced Concrete class C-25, 400kgs of cement /m3 of concrete filled into form work and vibrated around steel reinforcement (Form work and Rebar measured separately.						
	In 25mm thick lean concret	m <sup>2</sup>	9.25				
	In 150mm thick ramp slab apply grooved texture at the bottom and top landing with three coats of approved type yellow metallic emulsion paint to all exposed surface of rc	m²	13.95				
2.2	Steel reinforcement according to structural drawings including cutting, bending, tying wires & placing in position.						
	Φ8mm deformed bar	Kg	75.25				
	Total Carried to Summary						
	2. Form Work						
3.1	300mm form work for Ramp and landing	m²	3.90				
	Total Carried to Summary						
4.1	4. Stone Masonry  500mm thick hard trachytic or equivalent masonry stone foundation wall bedded on cement & sand mortar mix (1:3) ratio below ground level and apply three coats of plaster in cement mortar (1:3) up to fine finish to all masonry surfaces. Plastering work shall include all surface pre-cleaning, preparation, chiseling, polishing and cleaning at						
_	the end of finishing work.	m³	4.59				
	Total Carried to Summary						
	5. Metal work Supply & fix dia. 50mm 2.5mm thick circular horizontal metal pipe/rail with the height of 0.3m, 0.7m and 0.9m mounted on the ramp edge and the garb bar secured to vertical post and painted with green metallic color	ml	0.00				
	Supply & fix dia. 50mm, 2.5mm thick circular Vertical metal pipe/rail with the height of 0.9m hook length and it has to be mounted on the ramp with 0.9m spacing along the ramp length and painted with green metallic color	ml	0,00				
	Total Carried to Summary			Table 1			

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Center for Disability

	Specification & Bill of quantities for	Bamba	si R.Camp,	Assosa	
≀am	p at ICT Workshop	Un She		200	
item	Discripion	Unit	Qty.	Rate	Amount
	1.Exacavation & earth work				
1.1	Clear the site an average depth of 200mm.	m <sup>2</sup>	15.30		
1.2	Trench Excavation for 40cm thick stone masonry with working space				
		m³	3.24		
1.3	Back fill with non expansive material & compact in layers not				
	exceeding 20cm thickness.	m³	1.37		
1.4	250mm thick basaltic or sound approved stone Flard core and blinded				
	with 20mm crushed aggregate.	m <sup>2</sup>	4.25		
1.07	Fill under hard-core to maintain the desired level with selected				
	borrowed material and compact in layers not exceeding 200mm.	m <sup>3</sup>	0.43		
1.5	Cart away surplus excavated material to a distance not exceeding 5km	,			
	from the site.	m³	6.30		
	Total Carried to Summary				
	2. Concrete work				
2.1	Reinforced Concrete class C-25, 400kgs of cement /m3 of concrete				
	filled into form work and vibrated around steel reinforcement (Form			i	
	work and Rebar measured separately).				
	In 25mm thick lean concret	m <sup>2</sup>	9.25		
	In 150mm thick ramp slab apply grooved texture at the bottom and				
	top landing with three coats of approved type yellow metallic			- 1	
	emulsion paint to all exposed surface of rc	m <sup>2</sup>	13.95		
2.2	Steel reinforcement according to structural drawings including				
	cutting, bending, tying wires & placing in position.				
	Φ8mm deformed bar	Kg	75.25		
1	Total Carried to Summary				
	2. Form Work				
3.1	300mm form work for Ramp and landing	m <sup>2</sup>	3.90		
	Total Carried to Summary				
	4. Stone Masonry				
4.1	500mm thick hard trachytic or equivalent masonry stone foundation				
	wall bedded on cement & sand mortar mix (1:3) ratio below ground	- 1		1	
	level and apply three coats of plaster in cement mortar (1:3) up to fine	1			
	finish to all masonry surfaces. Plastering work shall include all			Į.	
	surface pre-cleaning, preparation, chiseling, polishing and cleaning at		1		
	the end of finishing work.	m <sup>3</sup>	4.59		
	Total Carried to Summary				
	5. Metal work				
5.1	Supply & fix dia. 50mm 2.5mm thick circular horizontal metal				
	pipe/rail with the height of 0.3m, 0.7m and 0.9m mounted on the		1		
	ramp edge and the garb bar secured to vertical post and painted with		1		
	green metallic color	ml	0.00		
5.2	Supply & fix dia. 50mm, 2.5mm thick circular Vertical metal				
	pipe/rail with the height of 0.9m hook length and it has to be			I	
	mounted on the ramp with 0.9m spacing along the ramp length and			- 1	
	painted with green metallic color	ml	0.00		
	Total Carried to Summary	al design		1	
	Total Summary For Ramp at Hall	100	/	11 1	



Specification & Bill of quantiti	ies for Dambas	si K.Camp, A	ASSOSA	
Ramp at Day Care (32cmX400cmX120cm)	Text of the second	to the Control of	BATTY FYT	
tem Discripion	Unit	Qty.	Rate	Amount
1.Exacavation & earth work				61-1
1.1 Clear the site an average depth of 200mm.	m <sup>2</sup>	6.38		
1.2 Trench Excavation for 40cm thick stone masonry with working	4.59 (1.50 (1.10 (			
	m <sup>3</sup>	1.84		
1.3 Back fill with non expansive material & compact in layers not				
exceeding 20cm thickness.	m <sup>3</sup>	0.81		
1.4 250mm thick basaltic or sound approved stone Hard core and bl	inded			
with 20mm crushed aggregate.	m <sup>2</sup>	1.63		
1.07 Fill under hard-core to maintain the desired level with selected				
borrowed material and compact in layers not exceeding 200mm.	m <sup>3</sup>	0.16		
1.5 Cart away surplus excavated material to a distance not exceeding				
from the site.	m <sup>3</sup>	3.11	1	
Total Carried to Summary				
2. Concrete work				
2.1 Reinforced Concrete class C-25, 400kgs of cement /m3 of concr	rete			
filled into form work and vibrated around steel reinforcement (F				
work and Rebar measured separately.)				
In 25mm thick lean concret	m <sup>2</sup>	1.00		
		4.00		
In 150mm thick ramp slab apply grooved texture at the bottom a	ind			
top landing with three coats of approved type yellow metallic	2		- 1	
emulsion paint to all exposed surface of rc	m <sup>2</sup>	5.63		
2.2 Steel reinforcement according to structural drawings including		1	1	
cutting, bending, tying wires & placing in position.				
Φ8mm deformed bar	Kg	31.70		
Total Carried to Summary				
2. Form Work				
3.1 300mm form work for Ramp and landing	m <sup>2</sup>	1.88		
Total Carried to Summary	<del></del>			
4. Stone Masonry				
4.1 500mm thick hard trachytic or equivalent masonry stone founda	tion			
wall bedded on cement & sand mortar mix (1:3) ratio below gro		- 1		
level and apply three coats of plaster in cement mortar (1:3) up to		- 1		
finish to all masonry surfaces. Plastering work shall include all			1	
surface pre-cleaning, preparation, chiseling, polishing and clean	ing at			
the end of finishing work.	m <sup>3</sup>	2.15		
Total Carried to Summary		2.13		
5. Metal work				
5.1 Supply & fix dia. 50mm 2.5mm thick circular horizontal metal	_	- 1		
pipe/rail with the height of 0.3m, 0.7m and 0.9m mounted on the		1	1	
ramp edge and the garb bar secured to vertical post and painted	100 CONTRACTOR   C	22.52		
green metallic color	ml	23.70		
5.2 Supply & fix dia. 50mm, 2.5mm thick circular Vertical metal		- 1		
pipe/rail with the height of 0.9m hook length and it has to be	.			
mounted on the ramp with 0.9m spacing along the ramp length a	and	1		
painted with green metallic color	ml	11.88		
Total Carried to Summary			T. T	



amp	at Youth Center C, Meeting Hall (26cmX325cmX145cm)	ATTICAL TO		AND DE LOS	
tem	Discripion	Unit	Qty.	Rate	Amount
-	1.Exacavation & earth work			-	
1.1	Clear the site an average depth of 200mm.	m <sup>2</sup>	5.77		
1.2	Trench Excavation for 40cm thick stone masonry with working space				
		m <sup>3</sup>	1.21	- 1	
1.3	Back fill with non expansive material & compact in layers not				
	exceeding 20cm thickness.	m³	0.55	i	
1.4	250mm thick basaltic or sound approved stone Hard core and blinded		0.55		
	with 20mm crushed aggregate.	m <sup>2</sup>	1.70		
.07	Fill under hard-core to maintain the desired level with selected				
	borrowed material and compact in layers not exceeding 200mm.	m <sup>3</sup>	0.17		
1.5	Cart away surplus excavated material to a distance not exceeding 5km				
	from the site.	m³	2.36		
寸	Total Carried to Summary				
寸	2. Concrete work				
2.1	Reinforced Concrete class C-25, 400kgs of cement /m3 of concrete	1			
	filled into form work and vibrated around steel reinforcement (Form	- 1		1	
	work and Rebar measured separately.)				
	In 25mm thick lean concret	m <sup>2</sup>	3.45		
	In 150mm thick ramp slab apply grooved texture at the bottom and				
	top landing with three coats of approved type yellow metallic				
	emulsion paint to all exposed surface of rc	m <sup>2</sup>	5.15		
2.2	Steel reinforcement according to structural drawings including				
	cutting, bending, tying wires & placing in position.				
	Φ8mm deformed bar	Kg	29.00		
	Total Carried to Summary				
	2. Form Work				
3.1	300mm form work for Ramp and landing	m <sup>2</sup>	1.58		
	Total Carried to Summary				
$\exists$	4. Stone Masonry				
4.1	500mm thick hard traehytic or equivalent masonry stone foundation				
	wall bedded on cement & sand mortar mix (1:3) ratio below ground		- 1	:4:	
	level and apply three coats of plaster in cement mortar (1:3) up to fine	1	- 1		
	finish to all masonry surfaces. Plastering work shall include all	4			
	surface pre-cleaning, preparation, chiseling, polishing and cleaning at	3		1	
4	the end of finishing work.	m³	1.44		
4	Total Carried to Summary				
	5. Metal work				
	Supply & fix dia. 50mm 2.5mm thick circular horizontal metal				
	pipe/rail with the height of 0.3m, 0.7m and 0.9m mounted on the	l		1	
	ramp edge and the garb bar secured to vertical post and painted with			1	
_	green metallic color	ml	19.92		
	Supply & fix dia. 50mm, 2.5mm thick circular Vertical metal	- 1	1	1	
	pipe/rail with the height of 0.9m hook length and it has to be mounted on the ramp with 0.9m spacing along the ramp length and	I	- 1		
	painted with green metallic color	10	10.27		
+		ml	10.27		
	Total Carried to Summary		/		



am	p at Child Friendly Service Zone B, Adminstration office (60cmX75	0cmX150	(cm)		
lem	Discripion	Unit	Qty.	Rate	Amount
	1.Exacavation & earth work				
1.1	Clear the site an average depth of 200mm.	m <sup>2</sup>	12.75		
1.2	Trench Excavation for 40cm thick stone masonry with working space	m³	2.71		
1.3	Back fill with non expansive material & compact in layers not exceeding 20cm thickness.	m³	1.16		
	250mm thick basaltic or sound approved stone Hard core and blinded with 20mm crushed aggregate.	m²	3.50		
1.07	Fill under hard-core to maintain the desired level with selected borrowed material and compact in layers not exceeding 200mm.	m³	0.35		
1.5	Cart away surplus excavated material to a distance not exceeding 5km from the site.	m³	5.26		
	Total Carried to Summary				
2.1	2. Concrete work  Reinforced Concrete class C-25, 400kgs of coment /m3 of concrete filled into form work and vibrated around steel reinforcement (Form work and Rebar measured separately.)				
	In 25mm thick lean concret	m <sup>2</sup>	7.75		
15	In 150mm thick ramp slab apply grooved texture at the bottom and top landing with three coats of approved type yellow metallic emulsion paint to all exposed surface of rc	m <sup>2</sup>	11.25		
2.2	Steel reinforcement according to structural drawings including cutting, bending, tying wires & placing in position.				
	Φ8mm deformed bar	Kg	62.81		
	Total Carried to Summary			1	
	2. Form Work				
3.1	300mm form work for Ramp and landing	m <sup>2</sup>	3.30		
	Total Carried to Summary				-
	4. Stone Masonry				
4.1	500mm thick hard trachytic or equivalent masonry stone foundation wall bedded on cement & sand mortar mix (1:3) ratio below ground level and apply three coats of plaster in cement mortar (1:3) up to fine finish to all masonry surfaces. Plastering work shall include all surface pre-cleaning, preparation, chiseling, polishing and cleaning at the end of finishing work.	m³	3.28		
	Total Carried to Summary				
5.1	5. Metal work Supply & fix dia. 50mm 2.5mm thick circular horizontal metal pipe/rail with the height of 0.3m, 0.7m and 0.9m mounted on the ramp edge and the garb bar secured to vertical post and painted with green metallic color	ml	19.92		
5.2	Supply & fix dia. 50mm, 2.5mm thick circular Vertical metal pipe/rail with the height of 0.9m hook length and it has to be mounted on the ramp with 0.9m spacing along the ramp length and painted with green metallic color	ml	10.27		
	Total Carried to Summary			1)	

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am	p at Child Friendly Zone A, Class Room (75cmX940cmX150cm)	Wester 11			
tem	The state of the s	Unit	Qty.	Rate	Amount
	1.Exacavation & earth work				
1.1	Clear the site an average depth of 200mm.	m <sup>2</sup>	15.98		
1.2	Trench Excavation for 40cm thick stone masonry with working space				
		m <sup>3</sup>	3.38		
1.3	Back fill with non expansive material & compact in layers not				
	exceeding 20cm thickness.	m <sup>3</sup>	1.42		
1.4	250mm thick basaltic or sound approved stone Hard core and blinded				
	with 20mm crushed aggregate.	m <sup>2</sup>	4.45		
1.07	Fill under hard-core to maintain the desired level with selected				
	borrowed material and compact in layers not exceeding 200mm.	m <sup>3</sup>	0.45		
1.5	Cart away surplus excavated material to a distance not exceeding 5km				
	from the site.	m³	6.57		
	Total Carried to Summary				
	2. Concrete work				
2.1	Reinforced Concrete class C-25, 400kgs of cement /m3 of concrete				
	filled into form work and vibrated around steel reinforcement (Form	- 1		İ	
	work and Rebar measured separately.)				
	In 25mm thick lean concret	m <sup>2</sup>	9.65		
	In 150mm thick ramp slab apply grooved texture at the bottom and				
	top landing with three coats of approved type yellow metallic			- 1	
	emulsion paint to all exposed surface of rc	m <sup>2</sup>	14.10		
2.2	Steel reinforcement according to structural drawings including				
	cutting, bending, tying wires & placing in position.	- 1	ll III	- 1	
	Φ8mm deformed bar	Kg	78.57		
	Total Carried to Summary				
	2. Form Work				
3.1	300mm form work for Ramp and landing	m <sup>2</sup>	4.06		
_	Total Carried to Summary				
	4. Stone Masonry				
4.1	500mm thick hard trachytic or equivalent masonry stone foundation				7 4 11 7 7
	wall bedded on cement & sand mortar mix (1:3) ratio below ground		1	ľ	
	level and apply three coats of plaster in cement mortar (1:3) up to fine	- 1	1	10	
	finish to all masonry surfaces. Plastering work shall include all				
	surface pre-cleaning, preparation, chiseling, polishing and cleaning at			i i	
	the end of finishing work.	nı³	6.43		
	Total Carried to Summary				
	5. Metal work				
5.1	Supply & fix dia. 50mm 2.5mm thick circular horizontal metal		Ĭ		
	pipe/rail with the height of 0.3m, 0.7m and 0.9m mounted on the	- 1			
	ramp edge and the garb bar secured to vertical post and painted with				
	green metallic color	ml	57.60		
5.2	Supply & fix dia. 50mm, 2.5mm thick circular Vertical metal				
	pipe/rail with the height of 0.9m hook length and it has to be	- 1		- 1	
	mounted on the ramp with 0.9m spacing along the ramp length and painted with green metallic color	m <sup>1</sup>	26.22		
1	Total Carried to Summary	ml	26.32		
	Total Carried to Summary		/		

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ment Association

ome at Child Enjandly, Zone P. Admir Office (10cm V500 V150)				or an early builting
amp at Child Friendly, Zone B, Admin Office (40cmX500cmX150cm)	Usa	Ob. I	Data I	A
em Discripion 1.Exacavation & earth work	Unit	Qty.	Rate	Amount
1.1 Clear the site an average depth of 200mm.	m <sup>2</sup>	0.50		
	m	8.50		
1.2 Trench Excavation for 40cm thick stone masonry with working space	m <sup>3</sup>	1.84		
1.3 Back fill with non expansive material & compact in layers not exceeding 20cm thickness.	m³	0.81		
1.4 250mm thick basaltic or sound approved stone Flard core and blinded with 20mm crushed aggregate.	m <sup>2</sup>	2.25		
.07 Fill under hard-core to maintain the desired level with selected borrowed material and compact in layers not exceeding 200mm.	m³	0.23	1	
1.5 Cart away surplus excavated material to a distance not exceeding 5km from the site.	m <sup>3</sup>	3.54		
Total Carried to Summary		3.54		
2. 1 Reinforced Concrete class C-25, 400kgs of cement /m3 of concrete filled into form work and vibrated around steel reinforcement (Form work and Rebar measured separately.)				BY S. M. PE. S. P.
In 25mm thick lean concret	m <sup>2</sup>	5.25		
In 150mm thick ramp slab apply grooved texture at the bottom and top landing with three coats of approved type yellow metallic emulsion paint to all exposed surface of rc	m²	7.50		
2.2 Steel reinforcement according to structural drawings including cutting, bending, tying wires & placing in position.				
Φ8mm deformed bar	Kg	42.07		
Total Carried to Summary				-
2. Form Work				
3.1 300mm form work for Ramp and landing	m <sup>2</sup>	2.30		
Total Carried to Summary				
4. Stone Masonry				
5.00mm thick hard trachytic or equivalent masonry stone foundation wall bedded on cement & sand mortar mix (1:3) ratio below ground level and apply three coats of plaster in cement mortar (1:3) up to fine finish to all masonry surfaces. Plastering work shall include all surface pre-cleaning, preparation, chiseling, polishing and cleaning at the end of finishing work.	m³	2.59		
Total Carried to Summary				
5. Metal work  5.1 Supply & fix dia. 50mm 2.5mm thick circular horizontal metal pipe/rail with the height of 0.3m, 0.7m and 0.9m mounted on the ramp edge and the garb bar secured to vertical post and painted with green metallic color	ml	31.20		
5.2 Supply & fix dia. 50mm, 2.5mm thick circular Vertical metal pipe/rail with the height of 0.9m hook length and it has to be mounted on the ramp with 0.9m spacing along the ramp length and painted with green metallic color	ml	15.08		
Total Carried to Summary		1) 13.00		
Total Summary For Ramp at Hall	-/-			

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Center for Disa

Specification & Bill of quantities for Bambasi R.Camp, Assosa						
Ramp at Child Friendly Zone B, Class Room (75cmX940cmX150cm)						
tem Discripion	Unit	Qty.	Rate	Amount		
1.Exacavation & earth work						
1.1 Clear the site an average depth of 200mm.	m <sup>2</sup>	15.98				
1.2 Trench Excavation for 40cm thick stone masonry with working space	m³	3.38				
1.3 Back fill with non expansive material & compact in layers not exceeding 20cm thickness.	m <sup>3</sup>	1.42				
1.4 250mm thick basaltic or sound approved stone Hard core and blinded with 20mm crushed aggregate.	m <sup>2</sup>	4.45				
.07 Fill under hard-core to maintain the desired level with selected borrowed material and compact in layers not exceeding 200mm.	m <sup>3</sup>					
1.5 Cart away surplus excavated material to a distance not exceeding 5km from the site.	m <sup>3</sup>	6.57				
Total Carried to Summary		0.57				
2.1 Reinforced Concrete class C-25, 400kgs of cement /m3 of concrete filled into form work and vibrated around steel reinforcement (Form work and Rebar measured separately.)			~ = ~ > × )			
In 25mm thick lean concret	m <sup>2</sup>	9.65				
In 150mm thick ramp slab apply grooved texture at the bottom and top landing with three coats of approved type yellow metallic emulsion paint to all exposed surface of rc	m²	14.10				
2.2 Steel reinforcement according to structural drawings including cutting, bending, tying wires & placing in position.						
Φ8mm deformed bar	Kg	78.57				
Total Carried to Summary						
2. Form Work						
3.1 300mm form work for Ramp and landing	m <sup>2</sup>	4.06				
Total Carried to Summary		- F	i			
4. Stone Masonry						
4.1 500mm thick hard trachytic or equivalent masonry stone foundation wall bedded on cement & sand mortar mix (1:3) ratio below ground level and apply three coats of plaster in cement mortar (1:3) up to fine finish to all masonry surfaces. Plastering work shall include all surface pre-cleaning, preparation, chiseling, polishing and cleaning at the end of finishing work.	m³	6.43				
Total Carried to Summary						
5. Metal work  5.1 Supply & fix dia. 50mm 2.5mm thick circular horizontal metal pipe/rail with the height of 0.3m, 0.7m and 0.9m mounted on the ramp edge and the garb bar secured to vertical post and painted with green metallic color	ml	57.60				
5.2 Supply & fix dia. 50mm, 2.5mm thick circular Vertical metal pipe/rail with the height of 0.9m hook length and it has to be mounted on the ramp with 0.9m spacing along the ramp length and painted with green metallic color	ml	26,32				
Total Carried to Summary						
Total Summary For Ramp at Hall	10.75					



m	p at Child Friendly Zone B, Class Room (75cmX940cmX150cm)	and c			
em		Unit	Qty.	Rate	Amount
	I.Exacavation & earth work				manufacture of the Control
	Clear the site an average depth of 200mm.	m <sup>2</sup>	15.98		
	Trench Excavation for 40cm thick stone masonry with working space	m <sup>3</sup>	3.38		
	Back fill with non expansive material & compact in layers not exceeding 20cm thickness.	m³	1.42		
1.4	250mm thick basaltic or sound approved stone Hard core and blinded with 20mm crushed aggregate.	m <sup>2</sup>	4.45		
1.07	Fill under hard-core to maintain the desired level with selected borrowed material and compact in layers not exceeding 200mm.	m <sup>3</sup>	0.45		
1.5	Cart away surplus excavated material to a distance not exceeding 5km from the site.	m <sup>3</sup>	6.57		
-	Total Carried to Summary		0.57		
2.1	2. Concrete work Reinforced Concrete class C-25, 400kgs of cement /m3 of concrete filled into form work and vibrated around steel reinforcement (Form work and Rebar measured separately.)				
	In 25mm thick lean concret	m <sup>2</sup>	9.65		
	In 150mm thick ramp slab apply grooved texture at the bottom and top landing with three coats of approved type yellow metallic emulsion paint to all exposed surface of rc	m²	14.10		
2.2	Steel reinforcement according to structural drawings including cutting, bending, tying wires & placing in position.				
	Φ8mm deformed bar	Kg	78.57		
	Total Carried to Summary				
	2. Form Work				
3.1	300mm form work for Ramp and landing	m <sup>2</sup>	4.06		
	Total Carried to Summary				
4.1	4. Stone Masonry  500mm thick hard trachytic or equivalent masonry stone foundation wall bedded on cement & sand mortar mix (1:3) ratio below ground level and apply three coats of plaster in cement mortar (1:3) up to fine finish to all masonry surfaces. Plastering work shall include all surface pre-cleaning, preparation, chiseling, polishing and cleaning at the end of finishing work.	m³	6.43		
	Total Carried to Summary				
5.1	5. Metal work  Supply & fix dia. 50mm 2.5mm thick circular horizontal metal pipe/rail with the height of 0.3m, 0.7m and 0.9m mounted on the ramp edge and the garb bar secured to vertical post and painted with green metallic color	ınl	57.60		
5.2	Supply & fix dia. 50mm, 2.5mm thick circular Vertical metal pipe/rail with the height of 0.9m hook length and it has to be mounted on the ramp with 0.9m spacing along the ramp length and painted with green metallic color	ml	26.32		

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	A.F. A.D. A.L. C		91		
_	p at Food Distribution Center (75cmX940cmX150cm)	Times	CONTRACTOR OF STREET	AS ILLERA	
ltem	1.Exacavation & earth work	Unit	Qty.	Rate	Amount
1.1	Clear the site an average depth of 200mm.	m <sup>2</sup>	15.98		
1.2	Trench Excavation for 40cm thick stone masonry with working space	m³	3.38		
1.3	Back fill with non expansive material & compact in layers not exceeding 20cm thickness.	m³	1.42		
1.4	250mm thick basaltic or sound approved stone Hard core and blinded with 20mm crushed aggregate.	m²	4.45		
1.07	Fill under hard-core to maintain the desired level with selected borrowed material and compact in layers not exceeding 200mm.	m³			
1.5	Cart away surplus excavated material to a distance not exceeding 5km		0.45		
	from the site.	m³	6.57		
	Total Carried to Summary				
2.1	2. Concrete work Reinforced Concrete class C-25, 400kgs of cement /m3 of concrete filled into form work and vibrated around steel reinforcement (Form work and Rebar measured separately.)				
	In 25mm thick lean concret	m <sup>2</sup>	9.65		
	In 150mm thick ramp slab apply grooved texture at the bottom and top landing with three coats of approved type yellow metallic emulsion paint to all exposed surface of rc	m <sup>2</sup>	14.10.		
2.2	Steel reinforcement according to structural drawings including cutting, bending, tying wires & placing in position.				
85	Φ8mm deformed bar	Kg	78.57		
	Total Carried to Summary				
-	2. Form Work			i	
3.1	300mm form work for Ramp and landing	m²	4.06		
	Total Carried to Summary				
4.1	4. Stone Masonry  500mm thick hard trachytic or equivalent masonry stone foundation wall bedded on cement & sand mortar mix (1:3) ratio below ground level and apply three coats of plaster in cement mortar (1:3) up to fine finish to all masonry surfaces. Plastering work shall include all surface pre-cleaning, preparation, chiseling, polishing and cleaning at the end of finishing work.	m³	6.43		
	Total Carried to Summary				
	5. Metal work				
	Supply & fix dia. 50mm 2.5mm thick circular horizontal metal pipe/rail with the height of 0.3m, 0.7m and 0.9m mounted on the ramp edge and the garb bar secured to vertical post and Coated with antirust and green metallic paint	ml	57.60		
	Supply & fix dia. 50mm, 2.5mm thick circular Vertical metal pipe/rail with the height of 0.9m hook length and it has to be mounted on the ramp with 0.9m spacing along the ramp length and coated with antirust and green metallic paint	ml	26.32		
(XX)	Total Carried to Summary	/			
3/10	Total Summary For Ramp at Hall		B - 3 - 4		

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## Ethiopian Center for Disability and Development (ECDD) Engineering Department

Project Name: HUDEPE

Project Location: Specification & Bill of quantities for Bambasi R.Camp, Assosa

	R.Camp, Assosa		
	SUB-STRUCTURE	Unit	Amount
1	EXCAVATION & EARTH WORKS	Birr	
2	CONCRETE WORKS	>:	
	SUB-TOTAL (A)		VA 1
	SUPER-STRUCTURE		
1	METAL WORK	Birr	
2	SIGNAGE PLATE	,,	
	SUB-TOTAL(B)		
	TOTAL		



	BILL OF QUA	NTTTY			
	Signage ( Bambasi R.C	Camp, As	sosa)		
TEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	A. SUB-STRUCTURE				
	1.EXCAVATION & EARTH WORKS				
1.01	Excavate for site clearing to a depth of 20cm to remove to soil	m <sup>2</sup>	2.00		
	Bulk excavation in ordinery soil not exceeding 1000mm from NGL.	m <sup>3</sup>	1.50	3	
1.03	Selected Fill under the concrete to maintain the desired level with selected borrowed material and compact in layers not exceeding 200mm.	m³	1.00		
	Cart away surplus excavated material to a distance not exceeding 2kms.	m³	1.90		
	TOTAL CARRIED TO SUMMARY				
	A CONTOURNE MADE 1/2				
2.01	2.CONCRETE WORKS 50mm thick lean concrete in C-5 with minimum cement	_			
	content of 150kg/m3 of concrete under:	2	1.50		
	a) footing pad	m <sup>2</sup>	1.50		
	Reinforced concrete in class C-25 (with a 28-day 150mm cube crushing strength of 25MPa), cast into formworks and vibrated around rod reinforcement bars.(formwork & reinforcement bars are measured separately.) in: "Type of cement to be ordinary Portland cement (OPC)"				
	a) footing pad	m <sup>3</sup>	1.00		
	Sawn zigba wood form work for:		200,400,40		
	a) footing pad	m <sup>2</sup>	2.00	-	
	TOTAL CARRIED TO SUMMARY	.10			
	B. SUPER-STRUCTURE				
	1. METAL WORK(signage pole)				
	Supply & fix 5 poles with dia. 50mm with 3mm thick metal pipe mounted on anchor coated with antirust and green metallic paint	No	15.00	2.	
	TOTAL CARRIED TO SUMMARY				
	2.SIGNAGE PLATE				
	Supply and fix 3 mm thick Aluminium Cladding signage plate on which each letter should be 7cm, letters should be printed on both sides and on one pole at least five plates are mounted on each				
	signage pole and the plates has organization's logo. And each plate is contrasted with blue surface and yellow letters. The price includes all accessories used for installing Aluminium cladding signage (				
	mounting accessories approved by the client), Logo of donor in each signage plate will be printed				
	ı	No	75.00	/ //	



No	Sub-Structure	<u>Unit</u>	Amount
1	Excavation and Earth Work	Birr	
2	Concrete Work	72	
3	Masonry Work	>>	
No	Super-Structure	Unit	
1	Concrete Work	Birr	
2	Roofing	,,,	
3	Metal Work	927	
4	Flooring		
5	Plastering Work	-,	
6	Painting Work	7,	
7	Ceramic Work	22	
8	Sanitary Installation	,,	
9	Ceiling Work	,,	
10	Electrical Installations	· · ·	
11	Ramp Work	22	
2.1	Signage (Signage Metal work)	22	
2.2	Signage (Signage Plate)	",	
		Total	



	BILL OF QUANTITY  Toilet ( Bambasi R.Camp, Assosa) 5mX3m Size						
mess				San Marian			
TEM	DESCRIPTION A. SUB-STRUCTURE	UNIT	QTY	Rate	Amount		
	1.EXCAVATION & EARTH WORKS	-		-			
1.1	Excavate for site clearing to a depth of 20cm to remove to soil	m <sup>2</sup>	19.25				
1.2	Trench Excavation up to depth of 0.75m below NGL	m3	6.92				
	Selected Fill under hard-core to maintain the desired level with selected borrowed material and compact in layers not exceeding 200mm.	m³	5.30				
1.4	300mm. thick sound basaltic or equivalent stone hard-core finished and blinded with crushed stone.	m <sup>2</sup>	10.34				
1.5	Cart away surplus excavated material to a distance not exceeding 2kms.	m <sup>3</sup>	10.77				
	TOTAL CARRIED TO SUMMARY						
	2.CONCRETE WORKS						
2.0	50mm thick lean concrete in C-5 with minimum cement content of 150kg/m3 of concrete under:						
	a) footing pad	m <sup>2</sup>	0.00				
	b)grade beam	m <sup>2</sup>	0.00				
	c)Trench Masonary wall	m <sup>2</sup>	6.64	_			
	d)150mm thick ground floor slab	m <sup>2</sup>	15.00				
	crushing strength of 25MPa), cast into formworks and vibrated around rod reinforcement bars.(formwork & reinforcement bars are measured separately.) in: "Type of cement to be ordinary Portland cement (OPC)"						
	a) footing pad	m <sup>3</sup>	0.00		-		
	b) foundation column	m <sup>3</sup>	0.00				
	c) grade beam	m <sup>3</sup>	1.25				
	d)150mm thick ground floor slab	m <sup>2</sup>	15.00				
2.2	Sawn zigba wood form work for:	2	0.00				
	a) footing pad	m <sup>2</sup>	0.00				
	b) foundation column	m <sup>2</sup>	0.00				
	c) grade beam (3cm thick, 40cm wide)	m <sup>2</sup>	13.28				
2.3	d) ground floor slab  Reinforcement steel bars according to structural drawing. Price includes cutting, bending, placing in position and tying wires.	m <sup>2</sup>	0.00				
	a) dia. 8mm deformed bar	kg	128.60				
	b) dia. 12mm deformed bar	kg	67.49				
64	TOTAL CARRIED TO SUMMARY						
2.0	3. MASONRY WORKS						
3.0	400mm thick hard trachytic or equivalent masonry stone foundation wall bedded on cement & sand mortar mix (1:3) ratio below ground level and apply three coats of plaster in cement mortar (1:3) up to fine finish to all masonry surfaces. Plastering work shall include all surface pre-cleaning, preparation, chiseling, polishing and cleaning at the end of finishing work.	m <sup>3</sup>	6.36				
	TOTAL CARRIED TO SUMMARY		- WEVE				



	B. SUPER-STRUCTURE					
	1. CONCRETE WORKS					
1.0	Reinforced concrete in class C-25 (with a 28-day 150mm cube	0		202		
	crushing strength of 25MPa), cast into formworks and vibrated	5				
	around rod reinforcement bars.( formwork & reinforcement bars					
	are measured separately.) in: "Type of cement to be ordinary					
	Portland cement (OPC)"					
	a) Elevation column	m <sup>3</sup>	1.39			
	b) Top tie beam	m <sup>3</sup>	0.70			
_	c) Lintel Beam	m <sup>3</sup>	0.12	100		
		m	0.12			
	Sawn zigba wood form work for:	2	0.14			
1.3	a) Elevation column	m <sup>2</sup>	8.14			
	b) Top tie beam	m <sup>2</sup>	16.02			
	c) Lintel Beam	m <sup>2</sup>	1.26			
1.4	Reinforcement steel bars according to structural drawing. Price includes cutting, bending, placing in position and tying wires.		83.77			
<u></u>	a) dia. 8mm deformed bar	kg	54.19		_	
	b) dia. 10mm deformed bar	kg	82.00		-	
	c) dia. 12mm deformed bar	kg	85.25			
1.5	HCB wall beded with 1:4 cement sand mortar	^5	03.23		_	
1	20cm thick external HCB wall	m2	37.29			
_	15cm thick internal HCB wall	m2	7.00			
	TOTAL CARRIED TO SUMMARY	1112	7.00			
	2.ROOFING					
2.1	Supply and fix C-28 CIS sheet including 5cm.x7cm.Zigba wood purline					
1000000	placed c/c 90 cm. spacing including washers and roof ridge cover and					
	truss. Truss members made of wood at c/c spacing 90cm.	m <sup>2</sup>	17.50			
2.2	110mm dia.UPVC down pipe attached to external wall surface with		17.00		+	-
	leader straps c/c 120 cm. and finally painted with two coats of synthetic					
	paint.	ml	8.80			
2.3	Ditto but to gutter of size 25cm x 20cm with development length of 60					
70	cm and painted with antirest and two coats of synthetic paint.	1	5.00			
2.4	provide and supply 0.25 mm thick 25cm width Australian facia board	ml.	5.00		_	
2.4	painted painted	m.l	5.00			
2.5	Copping on Parapet	ml.				
2.5	(1)	ml	12.00			
	TOTAL CARRIED TO SUMMARY					
-	3. METAL WORK					
	All doors are manufactured from LTZ 38mm profile frames. All works					
	should be cut and assembeled to sizes and shapes of the door schedule					
	upon submitting workshop drawing by the contractor. Unit price includes the necessary iron monger anchorbolts cover plates approved					
	lock, doors stoppers, other necessary accessories for completing the					
	work and one coat of primer and two coats of synthetic paint. All					
	according to door and window schedule as specified and it must be					
	approved by the employer					
3.1	METAL DOOR					
	MD1) Size 1000 x 2300mm (2.1m2).	pcs.	2.00	3		
	Supply and Install 100mm diameter wire mesh in window section where					
	the mesh openining must be minimum to prevent entrance of flies to the					
3.2	toilet room					
	Window opening Size 300 x 800mm (0.24m2).	pc.	2.00			
	Supply & fix dia. 50mm with 3mm thick, 650mm long and 700mm high	po.	2.00		_	
	from finished floor surface CHS steel pipe fixed garb bar secured to					
3.3	floor by means of anchoring pieces from same material.	LS	2.00			
	TOTAL CARRIED TO SUMMARY	LO	2.00		-	
3.3						
3.3					- 1	
3.3	4. FLOORING					
5.5	4. FLOORING 48mm thick cement sand mortar mix (1:3) screed finished fine smooth to					
3.3	4. FLOORING	ing A	34-6			

4.1	Supply and fix 300x300x20mm approved none slippery of flooring glued with approved type adhesive to cement sere include 48mm thick cement screed (1;3). Colour and qual approved by the Engineer.	ed. Pi	rice shall	m²	11.18	
4.2	Supply and fix 100mm pvc skirting .Price shall including necessary works.	all the	Ì	ml	19.30	
in Human	TOTAL CARRIED TO SUMMARY					



	5. PLASTERING WORKS	-				
5.1	Apply three coats of plaster in cement mortar (1:3) up to fine finish to all internal and external wall surfaces. Plastering work shall include all surface pre-cleaning preparation, chiseling, polishing and cleaning at the end of finishing work.	m <sup>2</sup>	119.25			
5.2	Rendering	m2	32.42			
	TOTAL CARRIED TO SUMMARY	1112	32.42			
	6. PAINTING WORK				-	
6.1	Apply in three coats of plastic emulsion paint to all internal and external plastered wall surfaces. The work shall include all surface pre-cleaning preparation, chiseling, polishing and cleaning at the end of painting work. Color shall be decided by the consultant in discussion with the client  TOTAL CARRIED TO SUMMARY	m <sup>2</sup>	119.25			
-	7. CERAMIC WORK				+	-
7.1	Supply and lay 3 mm thick ceramic wall tiles of approved type bedded and jointed with ceramic approved adhesive as approved by the consultant or with cement sand mortar (1:3)grouted at joints with white cement wash. Price shall include 3 cm thick cement mortar backing or approved adhesive application before laying of the ceramic, polishing, cleaning and all other related necessary works. Color and Size Subject to engineers approval.	m <sup>2</sup>	30.24			
	TOTAL CARRIED TO SUMMARY					
	8.SANITERY INSTALLATION					
	SANITARY EQUIPMENT (FIXTURES)					
	All fixtures which differs from that specified below is subject to the owner's approval, based on samples, catalogues and brochures presented by the Contractor. Unit Price shall include all the necessary fixing brackets or hooks and all the necessary assistance civil works such as chiseling of walls, floors, beams and etc					
8.1	ALL FIXTURES ARE APPROVED EUROPEAN BRAND Supply and fix RAK or equivalent hand wash basins with stainless steel cold water mixer tap made of white vitreious china, complete with pedastel stand, mixing battery plug, chrome plated chain holder, P-smell trap with connection pipe and with all other necessary accessories.					
	Size :- 500 x 400 mm	No	2.00			
8.2	Supply and fix RAK or equivalent wash down water closets made of white vitreous china with plastic seat and cover including all accessories.	No	2.00			
8.3	Supply and fix flexible water Hose pipe with all necessary accessories.	No	2.00			
8.4	Supply and fix RAK or equivalent toilet paper holder with chrome plated brass wall flanged roll with chrome plated fastening screws and other accessories.	No	0.00			
8.5	Supply and fix crystal glass mirrors for toilets and wash basins with copper back protection, size: 500/400 mm including chrome plated brass mirror clips with chrome plated screws and etc for hand wash basins.	No	2.00			
8.6	Supply and fix RAK or equivalent soap holder in white vitreous china of size 150 x 150 mm complete with the necessary fixing and other accessories for hand wash basins.  WATER SUPPLY PIPE LINE AND VALVES	No	0.00			
	Cold and hot water pipes shall be PPR pipes for cold and hot water respectively, and be fixed to slabs, walls, beams or etcwith metal straps or similar material. Unit price shall include all assistance civil works and necessary fittings such as T, bends etc. according to where shown on the drawing. All water pipes shall be tested two times the working pressure or 50 meters head, which ever is greater at the expense of the contractor.			700 9 9 9	13NC	

enter for Disability

Supply and install PPR, PN-10 pipes to internal cold water distribution system as shown on the drawing. Complete with all the necessary fittings and accessories.	1	
Dia. 15 mm	ml	20.00
Supply and fix chrome service angle valves of approved standard before hand wash basins, water closets and other fixtures. Complete with unions, elastic water proofing, hand wheels of normal quality and with all other necessary accessories.		
Dia. 15 mm	No	10.00



	WASTE, VENT AND RAIN WATER PIPES AND				4
	ACCESSORIES				
	All domestic waste, vent and storm water pipe lines shall be comply to BS45/4:1983 and DIN 19531 uPVC, PN-4 pipes and shall be provided with a minimum slope of 1.5%. Pipes and necessary fittings shall be standard quality and be free from damage during storage, construction and etc. Unit price shall include all the necessary assistance civil works, such as excavation cartaway, fixing or hanging to walls, beams or slabs. etc., necessary fittings such as bends, Y, T, etc. Storm water PVC pipes shall resist the external temperature and the quality shall meet the purpose.				
8.90	Supply and lay internal & External uPVC, PN-4 waste pipes according to where shown on the drawings. Complete with all the necessary fittings.				
	Dia. 110 mm	ml	10.00	-400	
8.91	Supply and fix dia 50mm vent caps made of uPVC at the roof terminal of vent pips, complete with all accessories and water proofing works.				
	Dia. 50 mm	No.	0.00		
8.10	Fix floor drain 80mm brass plated necessary accessories all of approved standard. Price shall include all the necessary civil works.	No.	2.00		
	TOTAL CARRIED TO SUMMARY				
	9. Ceiling				
	3000mm X 200mm and 7mm thick Plastic ceiling with all necessary fittings	m²	13.68	1	
	TOTAL CARRIED TO SUMMARY	1			

	10.Electrical Installation Works -			
	All fixtures which differs from that specified below is subject to the owner's approval, based on samples, catalogues and brochures presented by the Contractor. Unit Price shall include all the necessary fixing brackets or hooks and all the necessary assistance civil works such as chiseling of walls, floors, beams and etc			
10.1	Supply and Install Distribution Board Panels, Power Outlets, HD Conduits and Pipes and Light Switch Points and also bulbs	LS	2.00	
	TOTAL CARRIED TO SUMMARY			
	11.Ramp Works -			
	The ramp shall be constructed with 8.0% slope with the width of 3 m and 0.70m and 0.90m height hand rail on both sides. The color of the hand rail should be contrast visually with the wall or the ramp.	LS	1.00	
	TOTAL CARRIED TO SUMMARY			
	12. SIGNAGE			
	12.1 METAL WORK(signage pole)			
	Supply & fix dia. 50mm with 3mm thick and 3m height metal pipe mounted on anchor with 150mm high rectangular box curbs at its bottom (all metallic surfaces should be coated with antirust and metallic paint)	ml	1.00	
	TOTAL CARRIED TO SUMMARY			
	12.2 SIGNAGE PLATE			
	Supply and fix 2 mm thick aluminium cladding sign board plate on which each letters should be 7cm in UV print and mounted on signage plate. And the plate is contrasted with blue background surface and white letters.	No	1.00	
	Supply and fix 2 mm thick aluminium cladding sign board plate on which each letter should be 7cm written in UV print and each plate is mounted on the side of the door. And each plate is contrasted with blue background surface and white letters. sex and international disability symbol is printed on it (UV print). As per Engineer's approval	No	2.00	
	Supply and fix 2 mm thick aluminium cladding sign board plate on which each letters should be 5cm and each plate is mounted on the middel front side of the toilet as per the engineer's order. And each plate is contrasted with blue background surface and white letters. And the sign of donor's logo with proper word is printed on it. All letters and logo has to be printed in UV print. As per the Engineer's approval	No	1.00	
	TOTAL CARRIED TO SUMMARY	140	1.00	. \
	101111 CHARLES TO DOMINING			



Specification & Bill of quantities for Bambasi R.Camp, Assosa							
	4X4X3m size Septic T	de al l'internation					
Item	Discripion	Unit	Qty.	Rate	Amour		
	1.Exacavation & earth work						
1.1	Clear the site an average depth of 200mm.	m <sup>2</sup>	20.25				
1.2	Excavate Bulk for 305cm depth for the tank and 85cm	8					
	thick stone masonry with working space	m <sup>3</sup>	48.80				
1.3	Back fill with non expansive material & compact in						
	layers not exceeding 20cm thickness.	m <sup>3</sup>	10.75				
1.4	Cart away surplus excavated material to a distance not						
	exceeding 5km from the site.	m <sup>3</sup>	52.85				
	Total Carried to Summary				19709		
	2. Concrete work						
2.1	Reinforced Concrete class C-25, 400kgs of cement /m3						
	of concrete filled into form work and vibrated around						
	steel reinforcement (Form work and Rebar measured						
	separately.						
	In 50mm thick lean concret	m <sup>2</sup>	12.71				
	10cm thick rc manhole (50cmX50cm)	m2	1.00				
	Concrete Pipe for sludge removal from Toilet room to						
	Septic tank based on engineers approval	ml	10.00	1			
2.2	150mm thick RC slab	m2	16.00				
2.3	300X250mm Rc grade beam						
		m3	1.20				
2.4	Three coats of plastering to all internal masonry surfaces						
		m2	28.80				
2.5	Steel reinforcement according to structural drawings						
	including cutting, bending, tying wires & placing in						
	position.	2/2/					
	Ф12mm deformed bar	Kg	396.85				
	Φ8mm deformed bar	Kg	12.57				
	Total Carried to Summary						
	3. Form Work						
3.1	350mm height &12 mm thick form work and soffit for						
	masonry wall, grade beam and slab with eucalyptus and	2					
	all other necessary fittings.	m <sup>2</sup>	21.44	-			
	Total Carried to Summary						
	4. Stone Masonry						
4.1	85cm thick at the bottom and 50cm thick at the top hard						
	trachytic or equivalent masonry stone foundation wall						
	bedded on cement & sand mortar mix (1:3) ratio below						
	ground level and apply three coats of plaster in cement						
	mortar (1:3) up to fine finish to all masonry surfaces.						
	Plastering work shall include all surface pre-cleaning,						
	preparation, chiseling, polishing and cleaning at the end						
	of finishing work.	3					
		m <sup>3</sup>	25.50	A			
	Total Carried to Summary  Total Carried to Summary for septic tank	1911			DE PRE		

1.2*1.2m size elevated water tank slab at 3.5m height above NGL								
Itan	Discripion	Unit		Rate	Amount			
ten	1.Exacavation & earth work	Onit	Qty.	Rate	Amount			
1.1		2						
1.1	20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	m <sup>2</sup>	2.56					
1.2	Excavate Bulk for 150cm depth for footing pad and footing column		8 85					
		m <sup>3</sup>	3.84	_				
1.3	Back fill with non expansive material & compact in layers not							
	exceeding 20cm thickness.	m <sup>3</sup>	5.48					
1.4	Cart away surplus excavated material to a distance not exceeding							
	5km from the site.	m <sup>3</sup>	4.35					
	Total Carried to Summary							
	2. Concrete work							
2.1	Reinforced Concrete class C-25, 400kgs of cement /m3 of concrete							
	filled into form work and vibrated around steel reinforcement							
	(Form work and Rebar measured separately.) Rebar Grade -40							
	In 50mm thick lean concrete under 1x1m footing pad							
	for 1.2X1.2m wide footing pad	m <sup>2</sup>	1.44					
2.2	Property and the straightful minimum and the construction of the straightful management of the s		1.77					
	25, in 1.2m by 1.2m and 0.3m depth footing pad, 3.5m hight							
	tanker column (0.3X0.3 size) above NGI and 1.5 below NGL							
	tanker column (0.5%0.5 size) above Not and 1.5 below Not							
2.2	DO 1 005 10 10 10 1015 111 116 11 1 1	m3	0.88					
2.3	RC class C-25, in 1.2mx1.2m and 0.15m thick slab for the tanker							
		m3	0.22		0			
2.4	10cm thick rc manhole (50cmX50cm)							
0.5		m2	0.25					
2.5	[ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [							
	based on engineers approval	ml	10.00					
2.6	Steel reinforcement according to structural drawings including							
	cutting, bending, tying wires & placing in position.							
	Φ12mm deformed bar	Kg	42.67	-				
	Φ14mm deformed bar	Kg	58.08					
	Φ8mm deformed bar	Kg	18.96					
	Total Carried to Summary				7			
	3. Form Work							
3.1	350mm height &12 mm thick form work and soffit for masonry							
	wall, grade beam and slab with eucalyptus and all other necessary							
	fittings.	m <sup>2</sup>	9.78					
Will state	Total Carried to Summary	III.	7.70		-5111-111			
-	4. Water Tanker							
	Supply and fix a 2m3 (2000Lt) water tank in fiberglass to be							
	mounted on extended concrete columns with all the necessary							
	pumps, pipes for the water supply line, fittings, and accessories all							
	of the approved standard and connect to the toilet water line and							
	also with the compound water supply system	Ls	1.					
			1	A	A STALL			
	Total Carried to Summary	6.6	1 13/10	11				