



**Elizabeth Glaser  
Pediatric AIDS  
Foundation**

*Until no  
child has  
AIDS.*

REQUEST FOR PROPOSALS REF: EGPAF/SRVCS/002/20

REQUEST FOR PROPOSALS FOR RENOVATION WORKS AT VARIOUS HEALTH FACILITIES IN SOUTH WEST REGION

In support of

ELIZABETH GLASER PEDIATRIC AIDS FOUNDATION (EGPAF)  
**(P.O Box 21127, Kampala)**

**Firm Deadline: 20<sup>th</sup> April, 2018, 5:00 PM Eastern Time**

**BACKGROUND**

The Elizabeth Glaser Pediatric AIDS Foundation (EGPAF), a non-profit organization, is the world leader in the fight to eliminate pediatric AIDS. Our mission is to prevent pediatric HIV infection and to eliminate pediatric AIDS through research, advocacy, and prevention and treatment programs. For more information, please visit <http://www.pedaids.org>.

EGPAF Implements the USAID Regional Health Integration To Enhance Services in South West Uganda project (USAID RHITES SW) working in 15 districts of Ntungamo, Kiruhura, Kisoro, Rukungiri, Bushenyi, Sheema, Mitooma, Buhweju, Rubirizi, Kanungu, Isingiro, Ibanda, Kabale, Rubanda and Mbarara.

Elizabeth Glaser Pediatric AIDS Foundation with support from USAID is seeking to renovate laboratories in the above named districts. EGPAF is therefore soliciting the services of a competent and experienced construction company to provide the above named services.

**PURPOSE/SCOPE OF WORK**

*As per the attached bills of Quantities for targeted sites*

**MINIMUM REQUIREMENTS:**

*As stated in the selection criteria below*

**FOUNDATION RESPONSIBILITIES:**

The Foundation will offer necessary support to enable the contractor complete the required works.

**Site Inspection**

All contractors shall visit and acquaint themselves with the site, its nature and position, the nature of the ground, sub – strata and other local conditions, position of power and water suppliers, access the amount of rubbish or debris to be cleared away before commencement and any other limitations as no claims for extras will be considered on account of lack of knowledge in this respect.

**Proposed timeline for Site Inspection**



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All the bidders are required to have completed site inspection of the sites of their preference by 15<sup>th</sup> March 2018. . Please contact EGPAF office to pick an introductory letter to the districts / sites where inspection needs to be done.

**KEY CONTRACT TERMS:**

The anticipated contract type is *firm fixed price rate admeasurement contract*. Unless stated otherwise in the statement of the work, the Contractor is responsible for providing equipment and/or supplies required to perform the services.

All Materials will be owned exclusively by the Foundation. The contracting company will not use or allow the use of the Materials for any purpose other than the performance of the Contract without the prior written consent of the Foundation.

All deliverables provided to the Foundation must be furnished for the use of the Foundation without any additional fees.

Should the agreed delivery or completion dates not be met in the case of fault of the Contracting Company except as and when approved by the Foundation, penalties of 0.1% for each extra week may apply.

At the conclusion of the selection process, EGPAF and the contractor that offers EGPAF the best value proposal may enter into negotiations in an attempt to conclude a contract for the works.

**ADVANCE PAYMENT AND PERFORMANCE SECURITY**

Advance payment shall be 20% of contract price paid to the contractor against submission of an acceptable advance payment security guarantee from a reputable bank.

Performance security shall be in the form of an insurance bond / bank guarantee



**LOCATION OF THE SITE:**

Place of performance will be at various sites in different districts as per the table below. Note that the colored areas indicate where the services are required. Bidders are to bid on. . Bidders can bid on few or all sites depending on their preference.

District	Site	Water + Drainage	Renovation of Maternity ward	Renovation of Laboratory	Construction of Placenta Pits
Mbarara	Kashare HC III				
	MRRH				
	Mwizi HC III				
	Bugamba HC IV				
	Mbarara Municipal Council HC IV				
Isingiro	Rugaaga HC III				
	Kabuyanda H/C IV				
	Rwekubo HC IV				
	Nyamuyanja HC IV				
	Nyakitunda HC III				
Kiruhura	Kazo HC IV				
	Buremba HC III				
	Kanoni HCIII				
	Kitura HCIII				
	Kinoni HC IV				
Ibanda	Kikyenkya HC III				
	Ruhoko HC IV				
	Kanyambogo				
	Nyamarebe HCIII				
Bushenyi	Bushenyi HC IV				
	Nyabubare HC III				
	Kyamuhunga HC III				
Buhweju	Nsiika HC IV				
	Bihanga HC III				
	Karungu HCIII				
	Burere HCIII				
Sheema	Kyebanga HCII				
	Kitagata Hospital				
	Bugongi HCIII				
Rukungiri	Bwambara HC III				
	Ruhinda HCIII				
	Kebisoni HCIV				



	Rukungiri HC IV				
	Rwenshama HCIII				
Ntungamo	Itojo hospital				
	Ngoma HCIII				
	Kayonza HCIII				
	Kitonda				
Kabale	Kyanamira HC III				
	Kakomo HC IV				
	Butanda HC III				
	Kamuganguzi HC III				
	Buhara HC III				
	Rubaya HC IV				
	Bwama HC III				
Kanungu	Kayonza HCIII				
	Kanunu HC IV				
	Mpungu HCIII				
	Rutenga HCIII				
	Matanda HC III				
	Kirima HC III				
Rukiga	Kamwezi HC IV				
	Bukinda HC III				
	Kashambya HC III				
	Kyogo HC III				
	Kihanga HC III				
Rubirizi	Katerera HC III				
Mitooma	Rubaare HCIV				
	Mitooma HC IV				
Kisoro	Rubugiri HC IV				
	Kisoro HOSPITAL				

**SELECTION /EVALUATION CRITERIA:**

The Foundation will accept the proposal that presents the best value. All proposals will be evaluated against the following Evaluation Criteria. Each proposal must contain the items listed in the Submission Requirements column in the following chart. Please submit your Submission Requirements in the order that they appear below.

All applicants are required to be registered and authorized to perform the scope of work in the place of performance. A copy of valid registration **MUST** be submitted with each proposal.



Evaluation Criteria	Submission Requirements	Weight
1. Past performance of similar projects	1. 3 professional references for the company from similar past projects, with description and relevancy to the tendered project, and phone and email contact information for each reference.	25%
2. Proposed work plan and time frame	2. A maximum 5-page written proposal detailing: <ul style="list-style-type: none"> <li>• Contractors work plan for the project and approach to meet our needs efficiently</li> <li>• Quality plan</li> <li>• Safety plan</li> <li>• Estimated hours, timeframe with deliverables, final delivery date</li> </ul>	30%
3. Total fixed price	3. Total fixed price for all activities including a detailed pricing schedules for each site of interest.  <b><i>Please pick the copies of BOQs from the documents attached here with</i></b>	20%
4. Experience of Core Project Team	4. CV/Resumes for the following <b>Project Manager/Civil/Structural Engineer:</b> A Bachelor's degree in civil engineering with significant experience (above 7 years) in the management of multiple infrastructure design packages for projects including health infrastructure. Must be a registered Engineer with a valid practicing license 2017/18  <b>Electrical/Mechanical Engineer:</b> Seven years' experience with a Bachelor's degree in either Mechanical or Electrical engineering with significant experience in the management of multiple infrastructure design packages for projects including health infrastructure. Must be a registered Engineer with a valid practicing license 2017/18  <b>Site Engineer:</b> Five years in supervision of Health Infrastructures. Bachelor's degree or Higher Diploma in civil engineering with significant experience in the management of multiple Health Infrastructure projects  <b>Foreman:</b> ordinary Diploma in Civil Engineering. 5 years' experience	25%
<b>Total</b>		<b>100%</b>



**PROPOSED TIMELINE:**

DATE	ACTIVITY
15 <sup>th</sup> March, 2018	Release of RFP
12 <sup>th</sup> April, 2018	Submission of Inquiries directed to: <a href="mailto:procurementuganda@pedaids.org">procurementuganda@pedaids.org</a>  <b>Any form of canvassing will lead to automatic disqualification of the firm</b>
26 <sup>th</sup> March – 12 <sup>th</sup> April, 2018	<b>Contractor Site Inspections at various sites.</b> Contractors intending to bid should pick introductory letters from our nearest office (either Kampala or Mbarara before deadline for inspections. The Foundation will inform the districts that they expect various teams to be visiting the sites.  <b>Site inspection is Mandatory for all participating firms and a copy of the signed site inspection form should be attached to all bids</b>
20 <sup>th</sup> April, 2018 at 5:00 PM Eastern Time	Completed proposals must be <b>hand delivered in sealed envelopes</b> to the nearest EGPAF Office (either at our Kampala office located at plot 15, kitante close, or our Mbarara office located at Plot 7 Galt Road)  <b>Note that no bids will be accepted beyond deadline day</b>
11 <sup>th</sup> May, 2018 at 5:00 PM Eastern Time	<b>Final decision announced and Offerors notified</b>
31 <sup>st</sup> May, 2018	Contract executed and Services begin.

**Please note it is our best intent to comply with the above timeline but unavoidable delays may occur.**

**ADDITIONAL INFORMATION**

All proposals and communications must be identified by the unique RFP# reflected on the first page of this document. Failure to comply with this requirement may result in non-consideration of your proposal.

Any proposal not addressing each of the foregoing items could be considered non-responsive. Any exceptions to the requirements or terms of the RFP must be noted in the proposal. The Foundation reserves the right to consider any exceptions to the RFP to be non-responsive.

Late proposals will be rejected without being considered.

This RFP is not an offer to enter into agreement with any party, but rather a request to



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receive proposals from persons interested in providing the services outlined below. Such proposals shall be considered and treated by the Foundation as offers to enter into an agreement. The Foundation reserves the right to reject all proposals, in whole or in part, enter into negotiations with any party, and/or award multiple contracts.

The Foundation shall not be obligated for the payment of any sums whatsoever to any recipient of this RFP until and unless a written contract between the parties is executed.

### **Equal Opportunity Notice**

The Elizabeth Glaser Pediatric AIDS Foundation is an Equal Employment Opportunity employer and represents that all qualified bidders will receive consideration without regard to race, color, religion, sex, or national origin.

### **Ethical behavior**

EGPAF shall use its best endeavors to ensure that funds provided under this tender do not provide direct or indirect support or resources to organizations and individuals associated with terrorism, promote or advocate the legalization or practice of prostitution or sex trafficking and assistance to drug traffickers. If, during the course of this tender, EGPAF discovers any link whatsoever with any organization or individual associated with any or all of these, they shall be excluded or disqualified from the tendering process.

As a core value to help achieve our mission, the Foundation embraces a culture of honesty, integrity, and ethical business practices and expects its business partners to do the same. Specifically, our procurement processes are fair and open and allow all vendors/consultants equal opportunity to win our business. We will not tolerate fraud or corruption, including kickbacks, bribes, undisclosed familial or close personal relationships between vendors and Foundation employees, or other unethical practices. If you experience or suspect unethical behavior by a Foundation employee, please contact our Fraud Investigations team at [fraud@pedaids.org](mailto:fraud@pedaids.org) or the Foundation's Ethics Hotline at [www.reportlineweb.com/PedAids/](http://www.reportlineweb.com/PedAids/). Any vendor/consultant who attempts to engage, or engages, in corrupt practices with the Foundation will have their proposal disqualified and will not be solicited for future work.

**LOTS FOR EGPAF/USAID/RHITES-SW PROJECT**

No	District	Site	Level of Health facility	Time	Date of Inspection	Subcounty/Division
1	MBARARA	Mbarara Regional Referral Hospital	Hospital	9:00	Monday, March 26, 2018	Municipal
		Municipal Council	IV	10:00	Monday, March 26, 2018	Municipal
		Kashare	III	11:30	Monday, March 26, 2018	Kashari
		Mwizi	III	2:00	Monday, March 26, 2018	Rwampara
		Bugamba	IV	3:30	Monday, March 26, 2018	Ndejja
2	ISINGIRO					
		Nyamuyanja	IV	8.30	Tuesday, March 27, 2018	Nyamuyanja
		Nyakitunda	III	10.00	Tuesday, March 27, 2018	Nyakitunda
		Kabuyanda	IV	11.30	Tuesday, March 27, 2018	Kabuyanda T/C
		Rwekubo	IV	1.30	Tuesday, March 27, 2018	Isingiro T/C
		Rugaaga	IV	3.00	Tuesday, March 27, 2018	Rugaaga
3	SHEEMA	Bugongi	III	8:30	Wednesday, March 28, 2018	Bugongi
		Kyeibanga	III	9:30	Wednesday, March 28, 2018	
		Kitagata	Hospital	11.00	Wednesday, March 28, 2018	Kitagata
	BUSHENYI	Bushenyi	IV	12.30	Wednesday, March 28, 2018	Central Division
		Kyamuhunga	III	2.00	Wednesday, March 28, 2018	Kyamuhunga
		Nyabubare	III	3.30	Wednesday, March 28, 2018	Nyabubare
4	MITOOMA	Mitooma	IV	10.00	Thursday 3/29/2018	Mitooma
	RUBIRIZI	Katerera	III	1.30	Thursday 3/29/2018	Katerera
	Rukungiri	Rweshama Gvt	III	3.00	Thursday 3/29/2018	Bwambara
5	NTUNGAMO	Itojo	Hospital	8:40	Tuesday 4/3/2018	Itojo
	NTUNGAMO	Rubaare	IV	10:30	Tuesday 4/3/2018	Rubaare
	RUKIGA	Kamwezi	IV	11:30	Tuesday 4/3/2018	Kamwezi
	NTUNGAMO	Kitondo	III	12:30	Tuesday 4/3/2018	Ihunga
	NTUNGAMO	Ngoma	III	2:30	Tuesday 4/3/2018	Ngoma
	NTUNGAMO	Kayonza	III	3:30	Tuesday 4/3/2018	Kayonza
6	RUKUNGIRI	Rukungiri	IV	8.00	Wednesday 4/4/2018	Rukungiri Eastern
		Bwambara	III	9.30	Wednesday 4/4/2018	Bwambara
		Ruhindi	III	12.30	Wednesday 4/4/2018	Ruhinda
		Kebisoni	IV	3.00	Wednesday 4/4/2018	Kebisoni
7	RUKIGA	Kashambya	III	8:30	Thursday 4/5/2018	Kashambya
		Kihanga (Church)	III	10:00	Thursday 4/5/2018	Rwamucucu
		Bukinda	III	1:00	Thursday 4/5/2018	Bukinda
		Kyogo	III	2:30	Thursday 4/5/2018	Kamwezi
		Kabale	Rubaya	IV	3.30	Thursday 4/5/2018
8	KABALE	Buhara	III	8.30	Friday 4/6/2018	Buhara
		Butanda	III	9.30	Friday 4/6/2018	Butanda
		Bwama	III	10.30	Friday 4/6/2018	Kitumba
		Kakomo	III	12.30	Friday 4/6/2018	Kitumba
		Kamuganguzi	III	2.30	Friday 4/6/2018	Kamuganguzi
		Kyanamira	III	3.30	Friday 4/6/2018	Kyanamira



No	District	Site	Level of Health facility	Time	Date of Inspection	Subcounty/Division
9	KANUNGU	Mpungu	III	8.30	Saturday 4/7/2018	Mpungu
		Kayonza Govt	III	9.30	Saturday 4/7/2018	Kayonza
		Kirima (Church)	III	10.30	Saturday 4/7/2018	Kirima
		Rutenga	III	11.30	Saturday 4/7/2018	Rutenga
		Matanda	III	2.00	Saturday 4/7/2018	Kihihi T/C
		Kanungu	IV	3.30	Saturday 4/7/2018	Kanungu T/C
10	KISORO	Kisoro	Hospital	10.30	Monday 4/9/2018	Municipal
		Rubuguri	IV	2.00	Monday 4/9/2018	Kirundo
11	KIRUHURA	Kazo	IV	9.00	Tuesday 4/10/2018	Kazo T/C
		Buremba	III	10.00	Tuesday 4/10/2018	Buremba
		Kiruhura-Kanoni GOVT	III	11.00	Tuesday 4/10/2018	Kanoni
		Kitura	III	2.00	Tuesday 4/10/2018	Kitura
		Kinoni	III	3.00	Tuesday 4/10/2018	Kanoni
12	IBANDA	Kikyenkye	III	9.30	Wednesday 4/11/2018	Kyeihangara
		Kanywambogo	III	11.00	Wednesday 4/11/2018	Kicuzi
		Nyamarebe	III	2.30	Wednesday 4/11/2018	Nyamarebe
		Ruhoko	IV	3.30	Wednesday 4/11/2018	Nyabuhikye
13	BUHWEJU	Nsiika	IV	9.00	Thursday 4/12/2018	Nsiika T/C
		Burere	III	10.00	Thursday 4/12/2018	Burere
		Karungu	III	11.30	Thursday 4/12/2018	Karungu
		Bihanga	III	3.00	Thursday 4/12/2018	Bihanga

**LOTS FOR EGPAF/USAID/RHITES-SW PROJECT**

No	District	Lot No.	Description of Works	Name of Health Facility	Subcounty/Division	Level of Health facility
1	MBARARA	LOT 1	Remodelling of Maternity & Laboratory and construction of placenta and waste shed	Mbarara Regional Referral Hospital	Municipal	Hospital
2	MBARARA	LOT 2	Construction of TB Laboratory	Municipal Council	Municipal	IV
3	MBARARA	LOT 3	Remodelling of Maternity including water supply and drainage.	Kashare	Kashari	III
			Remodelling of Maternity including placenta pit and waste shed	Mwizi	Rwampara	III
			Construction of a placenta pit and waste shed	Bugamba	Ndejja	IV
4	NTUNGAMO	LOT 4	Remodelling of the Laboratory	Itojo	Itojo	Hospital
5	KIRUHURA	LOT 5	Remodelling of the Laboratory	Kazo	Kazo T/C	IV
6	BUSHENYI	LOT 6	Remodelling of the Laboratory	Bushenyi	Central Division	IV
	AND		Water supply and drainage including associated building works (Maternity)	Kyamuhunga	Kyamuhunga	III
			Construction of a placenta pit and waste shed	Nyabubare	Nyabubare	III
	RUBIRIZI		Water supply and drainage including associated building works (Maternity)	Katerera	Katerera	III
7	BUHWEJU	LOT 7	Remodelling of the Laboratory and Construction of a placenta pit and waste shed	Nsiika	Nsiika T/C	IV
8	IBANDA	LOT 8	Remodelling of Laboratory, and Water supply & drainage including associated building works (Maternity)	Kikyenyeye	Kyehangara	III
			Water supply and drainage including associated building works (Maternity)	Kanywambogo	Kicuzi	III
			Water supply and drainage including associated building works (Maternity)	Nyamarebe	Nyamarebe	III
			Construction of a placenta pit and waste shed	Ruhoko	Nyabuhikye	IV
9	ISINGIRO	LOT 9	Water supply and drainage including associated building works, and construction of a placenta pit and waste shed	Rugaaga	Rugaaga	IV
			Water supply and drainage including associated building works (Maternity)	Kabuyanda	Kabuyanda T/C	IV
			Water supply and drainage including associated building works (Maternity)	Rwekubo	Isingiro T/C	IV
			Water supply and drainage including associated building works (Maternity)	Nyakitunda	Nyakitunda	III
			Construction of a placenta pit and waste shed	Nyamuyanja	Nyamuyanja	IV
			Construction of a placenta pit and waste shed	Rwekubo	Isingiro T/C	IV
10	KIRUHURA	LOT 10	Water supply and drainage including associated building works (Maternity)	Buremba	Burembe	III
			Water supply and drainage including associated building works (Maternity)	Kiruhura-Kanoni GOVT	Kanoni	III
			Water supply and drainage including associated building works (Maternity)	Kitura	Kitura	III
			Water supply and drainage including associated building works (Maternity)	Kinoni		III
			Construction of a placenta pit and waste shed	Buremba	Burembe	III

No	District	Lot No.	Description of Works	Name of Health Facility	Subcounty/Division	Level of Health facility
11	BUHWEJU	LOT 11	Water supply and drainage including associated building works (Maternity)	Burere	Burere	III
			Water supply and drainage including associated building works (Maternity)	Karungu	Karungu	III
			Construction of a placenta pit and waste shed	Bihanga	Bihanga	III
12	SHEEMA	LOT 12	Water supply and drainage including associated building works (Maternity)	Bugongi	Bugongi	III
	AND		Water supply and drainage including associated building works (Maternity)	Kyeibanga		III
			Construction of a placenta pit and waste shed	Kitagata	Kitagata	Hospital
	MITOOMA		Construction of a placenta pit and waste shed	Mitooma	Mitooma	IV
13	RUKUNGIRI	LOT 13	Water supply and drainage including associated building works (Maternity)	Bwambara	Bwambara	III
			Water supply and drainage including associated building works (Maternity)	Ruhindi	Ruhinda	III
			Water supply and drainage including associated building works (Maternity)	Rweshama Gvt	Bwambara	III
			Water supply and drainage including associated building works (Maternity)	Kebisoni	Kebisoni	IV
			Construction of a placenta pit and waste shed	Bwambara	Bwambara	III
			Construction of a placenta pit and waste shed	Rukungiri	Rukungiri Eastern	IV
14	NTUNGAMO	LOT 14	Water supply and drainage including associated building works (Maternity)	Kayonza	Kayonza	III
			Water supply and drainage including associated building works (Maternity)	Ngoma	Ngoma	III
			Water supply and drainage including associated building works (Maternity)	Kitondo	Ihunga	III
			Construction of a placenta pit and waste shed	Rubaare	Rubaare	IV
15	KABALE	LOT 15	Water supply and drainage including associated building works (Maternity)	Rubaya	Rubaya	IV
			Water supply and drainage including associated building works (Maternity)	Buhara	Buhara	III
			Water supply and drainage including associated building works (Maternity)	Butanda	Butanda	III
16	KABALE	LOT 16	Water supply and drainage including associated building works (Maternity)	Kakomo	Kitumba	III
			Water supply and drainage including associated building works (Maternity)	Kamuganguzi	Kamuganguzi	III
			Water supply and drainage including associated building works (Maternity)	Kyanamira	Kyanamira	III
			Water supply and drainage including associated building works (Maternity)	Bwama	Kitumba	III
17	KANUNGU	LOT 17	Water supply and drainage including associated building works (Maternity)	Kirima (Church)	Kirima	III
			Water supply and drainage including associated building works (Maternity)	Rutenga	Rutenga	III
			Water supply and drainage including associated building works (Maternity)	Matanda	Kihihi T/C	III
18	KANUNGU	LOT 18	Water supply and drainage including associated building works (Maternity)	Kayonza Govt	Kayonza	III
			Water supply and drainage including associated building works (Maternity)	Mpungu	Mpungu	III
			Construction of a placenta pit and waste shed	Kanungu	Kanungu T/C	IV

No	District	Lot No.	Description of Works	Name of Health Facility	Subcounty/Division	Level of Health facility
19	RUKIGA	LOT 19	Water supply and drainage including associated building works (Maternity)	Kashambya	Kashambya	III
			Water supply and drainage including associated building works (Maternity)	Kihanga (Church)	Rwamucucu	III
			Water supply and drainage including associated building works (Maternity)	Kamwezi	Kamwezi	IV
20	RUKIGA	LOT 20	Water supply and drainage including associated building works (Maternity)	Bukinda	Bukinda	III
	AND		Water supply and drainage including associated building works (Maternity)	Kyogo	Kamwezi	III
	KISORO		Construction of a placenta pit and waste shed	Rubuguri	Kirundo	IV
			Construction of a placenta pit and waste shed	Kisoro	Municipal	Hospital
NOTE: A BIDDER CAN BID FOR ALL LOTS BUT THE MAXIMUM No. OF LOTS TO BE AWARDED TO A BIDDER SHALL BE TWO (2)						

BILLS OF QUANTITIES FOR CONSTRUCTION OF PLACENTA PITS					
Item	Description	Units	Qty	Rate	Amount
<b>Bill No. 1: PLACENTA PIT</b>					
Placenta pit internal dimensions (3000mm dia. x 3000mm deep)					
<b>Excavations and Earthworks</b>					
A	General site clearance and excavation to remove the unwanted soils, average 150mm deep and cart away debris from site.	Sm	54		
B	Excavate foundation trench, not exceeding 1.50m deep commencing from reduced levels.	Cm	15		
C	Excavate placenta pit, not exceeding 1.50m deep commencing from reduced levels.	Cm	19		
D	Ditto but exceeding 1.50m but not exceeding 3.0 deep commencing from reduced levels.	Cm	19		
E	Return fill in and well ram selected excavated materials around plinth wall foundations.	Cm	32		
F	Remove surplus excavated materials from site.	Cm	21		
<b>Water disposal:</b>					
G	Allow for keeping all excavations free from all water, silt or mud from whatever source, by pumping, baling or otherwise.	Item	1		
<b>Planking and Strutting</b>					
H	Allow for the provision and subsequent removal of all necessary planking and strutting to uphold the sides of all excavations.	Item	1		
<b>Vibrated plain concrete Grade 20 as described:</b>					
I	Concrete strip foundation	Cm	3		
<b>Approved burnt clay bricks bedded in cement and sand (1:4) mortar as described</b>					
J	200mm thick plinth walling	Sm	26		
<b>C25 Reinforced concrete lintels comprising 4No. T12 reinforcement bars 2Top and</b>					
K	200x200mm middle beam	Lm	11		
<b>Hessian based bituminous felt damp-proof course bedded on and including 12mm thick cement</b>					
L	230mm	Lm	19		
<b>Vibrated reinforced concrete Grade 25 as described:</b>					
A	200mm thick Top slab with 800x500mm opening	Sm	20		
<b>High tensile ribbed Reinforcement bars to BS 4449 as described</b>					
B	8-12mm steel bars.	Kgs	230		
<b>Sawn form work</b>					
C	Sides and soffits of slab and beam.	Sm	20		
<b>Metallic lid as described:</b>					
D	Supply and fix, 900x600mm hinged and lockable metallic lid in 6mm thick mild steel plate complete with all the necessary ironmongery and framing.	No.	1		
<b>Splash Apron</b>					

<b>E</b>	Prepare and compact previously levelled ground and lay 75mm thick concrete Grade 20 bed 1000mm wide with top surface trowelled smooth to falls on and including 100mm thick bed of rolled imported murrum sub-base and sawn formwork to edge	Sm	13		
<b>Approved burnt clay bricks bedded in cement and sand (1:4) mortar as described</b>					
<b>F</b>	200mm thick superstructure walling	Sm	39		
<b>Cement and sand (1:4) rendering as described</b>					
<b>G</b>	19mm two coat rendering on Brickwalls.	Sm	78		
<b>H</b>	Tyrolean rendering to external wall surfaces	Sm	78		
<b>Supply and fix purpose-made standard section steel grille door and frame complete with</b>					
<b>I</b>	Size 900x2100mm high.	No.	1		
<b>Door Painting as described:</b>					
<b>J</b>	Prepare, prime and apply three coats of gloss oil paint on general surfaces of steel Grille door and frame (measured flat both sides)	Sm	5		

<b>PRECAST CONCRETE CLASS 20; 20mm AGGREGATE : finished fair on all exposed</b>					
<b>K</b>	300 x 75mm Thick Weathered and throated coping	Lm	19		
<b>Vent pipe as described:</b>					
<b>L</b>	Supply and fix, 2000x110mm PN6 uPVC vent pipe complete with cowl.	No.	1		

<b>SUBTOTAL</b>					
<b>CONTINGENCY, if applicable</b>				%	
<b>VAT</b>				18%	
<b>GRAND TOTAL</b>					

BILLS OF QUANTITIES FOR CONSTRUCTION OF MEDICAL WASTE STORAGE					
Item	Description	Units	Qty	Rate	Amount
<b>Bill No. 1: MEDICAL WASTE STORAGE SHED</b>					
SIZE 4000 x 3500MM					
<b>ELEMENT No. 1: SUBSTRUCTURE</b>					
A	General site clearance and excavation to remove the unwanted soils, average 150mm deep and cart away debris from site.	Sm	46		
B	Excavate for foundation trench not exceeding 1.5 meters deep from reduced level.	Cm	5		
C	Return fill and ram selected excavated material around foundations.	Cm	2		
D	Load and cart away surplus excavated material from site.	Cm	3		
<b>Hardcore filling as described:</b>					
E	200mm thick bed of imported clean broken stone hardcore, well spread, levelled and compacted in 150mm layers, blinded with and including 50mm thick layer of fine sand.	Sm	12		
<b>Anti-termite treatment:</b>					
F	Anti-termite insecticide treatment with "Aldrin 0.5%" or "Dildrex 18%" or other equivalent solution applied in accordance with the manufacturers' printed instructions to hardcore surfaces.	Sm	44		
<b>Plain insitu concrete Grade 20 as described:</b>					
G	In strip foundation	Cm	2		
<b>Vibrated reinforced concrete Grade 25 as described:</b>					
H	150mm thick ground floor slab laid and compacted to falls as directed, on damp proof membrane (measured elsewhere).	Sm	14		
<b>BRC fabric mesh as described:</b>					
I	Steel wire fabric mesh reinforcement to <b>BS 4483, Ref A142</b> and weighing 2.22kg/sq.m in concrete floor slab with minimum 300mm end and side laps.	Sm	14		
<b>Water proof membrane:</b>					
J	1000 Gauge polythene sheeting as damp-proof membrane, laid on hardcore surfaces, with 200mm minimum end and side laps.	Sm	14		
<b>Approved solid concrete blocks (3.5N/mm<sup>2</sup> Compressive strength) bedded in cement and sand (1:4)</b>					
K	230mm thick plinth walling	Sm	14		

<b>ELEMENT No. 2: STEEL FRAME</b>					
<b>Structural Steelwork</b>					
<b><i>THE RATES FOR STRUCTURAL STEEL WORK SHOULD INCLUDE ALL PLATES, STIFFENERS, BOLTS, WELDED JOINTS, ALL CONNECTIONS AND ACCESSORIES; PAINTING AND DECORATIONS; AS PER THE ARCHITECT'S AND STRUCTURAL ENGINEERS DRAWINGS; THE CONTRACTOR MUST STUDY THE DRAWINGS AND ENSURE THAT HIS PRICE INCLUDES ALL ITEMS AS SHOWN ON THE DRAWINGS</i></b>					

<b>Structural Steelwork : framed : one coat red-oxide primer;</b>					
<b>A</b>	30 x 30 x 2mm thick RSA	Lm	119		
<b>B</b>	100 x 100 x 3mm SHS	Lm	11		
<b>C</b>	40 x 40 x 1.5mm RHS	Lm	14		
<b>Touch-up primer : prepare and apply three coats oil paint : to</b>					
<b>D</b>	Structural steel work.	Lm	144		

**ELEMENT No. 3: ROOF**

**Structural Steelwork**

**THE RATES FOR STRUCTURAL STEEL WORK SHOULD INCLUDE ALL PLATES, STIFFENERS, BOLTS, WELDED JOINTS, ALL CONNECTIONS AND ACCESSORIES; PAINTING AND DECORATIONS; AS PER THE ARCHITECT'S AND STRUCTURAL ENGINEERS DRAWINGS; THE CONTRACTOR MUST STUDY THE DRAWINGS AND ENSURE THAT HIS PRICE INCLUDES ALL ITEMS AS SHOWN ON THE DRAWINGS**

**Structural Steelwork: framed: one coat red-oxide primer;**

**(slope 18 degrees)**

<b>A</b>	60 x 60 x 3mm RHS Bottom chord	Lm	24		
<b>B</b>	60 x 60 x 3mm RHS Top Chord	Lm	36		
<b>C</b>	50 x 50 x 3mm SHS Internal Members	Lm	16		
<b>D</b>	100 x 50 x 2mm Z - Purlins weighing 3.54 Kg. per meter: bolted	Lm	34		

**SUNDRIES**

<b>E</b>	260 x 180 x 8mm Plate: 4 No holes for 16mm diameter U-bolts	No.	16		
<b>F</b>	80 x 80 x 6mm Angle Cleat; 200mm Long: 2 No holes for 12mm diameter bolts: welded to top chord	No.	32		
<b>G</b>	16mm Diameter "U" bolts 700mm Long: fixed into concrete; head, nut and washers	No.	24		

**ROOF COVERING**

**26 Gauge pre-painted IT4 roofing sheets : fixed to Z-purlins with self tapping screws**

<b>H</b>	Sheet laid sloping not exceeding 18 degrees from horizontal.	Sm	28		
<b>I</b>	300mm Wide ridge flashing	Lm	6		

**Touch-up primer : prepare and apply three coats oil paint : to**

<b>J</b>	Structural steel work.	Lm	110		
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**Mild steel fasciaboard as described:**

<b>K</b>	1.5mm thick pre-formed m.s plate fascia; welded onto steel rafters with and including 20x20x2 mm stiffeners 1000mm centres, one coat red oxide primer	Lm	20		
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**ELEMENT No. 4: DOOR**

**SINGLE LEAF STEEL GRILLE DOOR to Architect's detail constructed from standard steel sections**

<b>A</b>	Door D1, size 1000 x 2500mm high	No.	1		
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**PREPARE AND APPLY THREE Coats of approved gloss oil paint in accordance with manufacturer's**



<b>B</b>	General surfaces	Sm	5	
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<b>SUBTOTAL</b>			
<b>CONTINGENCY, if applicable</b>			%
<b>VAT</b>			18%
<b>GRAND TOTAL</b>			

**BILLS OF QUANTITIES FOR REMODELLING OF THE EXISTING IMPROVEMENT OF THE MATERNITY , AT MBARARA REGIONAL HOSPITAL- MBARARA DISTRICT**

Item	Description	Units	Qty	Rate	Amount
<b>Bill No. 1: PRELIMINARIES AND GENERAL CONDITIONS</b>					
A	Provide for mobilisation and demobilisation of Contractor's equipment	Item	1		
B	Progress schedule	Item	1		
C	Water and Electricity for the works	Item	1		
<b>TOTAL BILL NO. 1</b>					

<b>Bill No. 2:</b>					
<b>Item No. 1: DOORS AND WINDOWS</b>					
<b>DOORS</b>					
<b>Prepare and apply three coats of gloss paint: on woodwork as described:</b>					
A	Surfaces: timber doors	Sm	80		
B	Surfaces: over 200 but not exceeding 300mm girth	Lm	121		

<b>Item No. 2: FITTINGS AND FINISHINGS</b>					
<b>Cement and sand (1:3) as described</b>					
A	Allow for Ugx:8,000,000=(Eight Million ) for the repair of the affected floor and doing the necessary repairs	Item	1		
B	30mm floor screed finished smooth and level ready to receive granite.	Sm	4		
C	19mm Skirting, 125mm high with raked top	Lm	13		
D	Allow for power extension and connection of 8 power sockets with associated wiring , complete with approved double sockets	item	1		
<b>Painting as described:</b>					
E	Prepare and apply three coats of matt emulsion paint from approved manufacturers, to general surfaces of ceiling.	Sm	339		
F	Prepare and apply three coats of silk vinyl paint on internal plastered walls surfaces.	Sm	444		

<b>Item No. 3: FITTINGS AND FIXTURES</b>					
<b>RATES FOR ALL JOINERY WORKS MUST INCLUDE ALL ACCESSORIES AND FITTINGS; PAINTING AND DECORATIONS; IRONMONGERY; AS PER ARCHITECT'S DETAILED DRAWINGS; THE CONTRACTOR MUST STUDY THE DRAWINGS AND ENSURE THAT HIS PRICE INCLUDES ALL ITEMS REQUIRED ON THE FITTINGS:</b>					
<b>High level shelves and cabinet comprising of: 20mm thick blockboard shelves 25mm thick x 600mm high blockboard shutters; wrot hardwood bearers and fixing brackets; all iron mongery and accessories; painting and decorations; to architect's detailed drawing; in</b>					
B	Maternity; Overall size 1500mm long x 450mm wide x 1200mm high, Locable to Architect's detail drawing.	No.	5		

<b>Item No. 4: MECHANICAL WORKS</b>					
<b>WATER SUPPLY AND DRAINAGE PIPEWORK &amp; FITTINGS, AND SANITARY APPLIANCES</b>					
<b>Tenderers must allow in their pipework prices for all couplings, connectors, joints etc. required in the running lengths of pipework and also where stated for fixing clips or holderbats plugged and screwed.</b>					
<b>WATER SUPPLY</b>					
<b>Water Supply; Pipework and Pipe fittings as described:</b>					
A	PN20; PP-R Pipe 20mm	Lm	87		
B	PN20; PP-R Pipe 25mm	Lm	34		
C	PN20; PP-R Pipe 32mm	Lm	12		
D	32mm Gate valves	No.	3		
E	15mm angle valves	No.	3		
F	Flexible tubes (stainless steel braid on PVC) for connection of appliances, complete with all accessories.	No.	8		

<b>SANITARY APPLIANCES</b>					
<b>Supply and install the following Sanitary fittings as described:</b>					
A	<b>Sinks</b>				
	510x380mm laboratory sink as manufactured by M/s IDEAL STANDARDS in fire clay C/W 38mm strainer waste and necessary fittings and fitted with 1No. 15mm elbow operated tap in worktop to Examination Room (Replacing worn out ones)	No.	6		
B	<b>Excavations for pipework as described:</b>				
	Excavate trench not exceeding 1.5m deep and 450mm wide, for water supply pipe line, 25mm diameter, part return, fill and ram and remainder spread on site.	Lm	18		
<b>Pipework and Pipe fittings:</b>					

**BILLS OF QUANTITIES FOR REMODELLING OF THE EXISTING IMPROVEMENT OF THE MATERNITY , AT MBARARA REGIONAL HOSPITAL- MBARARA DISTRICT**

Item	Description	Units	Qty	Rate	Amount
C	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 25mm internal dia</b> to BS 8074 or equivalent and to PN10; from the <b>pedal pump to the overhead tank</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	47		
D	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 32mm internal dia</b> to BS 8074 or equivalent and to PN10; from the <b>ground storage tank to the pedal pump</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	121		
<b>TOTAL BILL NO. 2</b>					

**Bill No. 3:**

A	Allow for <b>EXTRA</b> the removal of all the existing damaged internal doors and frames and handover all the salvaged materials to the Client.	Item	1		
B	Allow for the repair of all the damaged walls (internal and external) all to the approval of the Project Manager.	Item	1		

**DOORS**

<b>Solid steel door as described</b>					
D	<b>Replace:</b> Supply and fix, Solid steel glazed door size 900 x 2400mm high fabricated in 50x50x3mm SHS framing with the lower pane 900x900mm fitted with 2mm thick plate on both sides and the upper 1200mm pane fitted with 6mm thick clear sheet glass complete with 300mm steel louvered vent, including a priming coat. ( <i>Sluice Exit</i> )	No.	1		
<b>Ordinary veneer flush door as described</b>					
E	44mm thick double leaf solid core flush door with Ordinary veneer plywood, size 1500 x 2100mm high overall, with 200x500mm high vision panels filed with 5mm thick clear sheet glass and fixed with wrot hardwood timber beadings.	No.	5		
F	44mm thick solid core flush door with Ordinary veneer plywood facing both sides size 839mm x 2068mm high overall.	No.	0		
<b>Approved wrot hardwood frames as described:</b>					
G	Allow for replacement Rotten timber fascia boards to match existing	Lm	28		
<b>Covers beads in wrot Hardwood as described:</b>					
H	45mm x 20mm Architraves/Quadrant beads	Lm	70		
<b>Supply, and fix the following Ironmongery:</b>					
I	100mm high stainless steel double action hinges.	Pairs	1.0		
F	100mm high stainless pressed steel butt hinges.	Pairs	3.0		
G	Mortise indicator lock	No.	1.0		
H	"3-lever" Union mortise lock complete with a set of keys and all accessories to replace the worn out locks	No.	7		
<b>Prepare and apply three coats of gloss paint: on woodwork as described:</b>					
I	Surfaces: timber doors	Sm	12		
J	Allow for the Repairs on the windows ; supply and fixing mosquito nets in wooden frame in windows as will be guided by Engineer.	sm	3		

**FINISHINGS and other Fittings**

<b>Epoxy Floor Paint as described:</b>					
A	Supply and fix the delivery suite with Floor Epoxy 2mm .	Sm	23		
B	Supply and fix Ceramic wall tiles (6mm) as will be approved by the Project Manager.	Sm	19		
C	Allow for door repairs (Re-Fixing doors with all necessary accessories )	No.	6		
D	510x380mm laboratory sink as manufactured by M/s <b>IDEAL STANDARDS</b> in fire clay C/W 38mm strainer waste and necessary fittings and fitted with 1No. 15mm elbow operated tap in worktop to Examination Room	No.	4		
E	Allow for the repairs for the Toilet in Assited shower and water to flow proprely	Item	1		
<b>Painting as described:</b>					
H	Prepare and apply three coats of matt emulsion paint from approved manufacturers, to general surfaces of ceiling.	Sm	69		
I	Prepare and apply three coats of <b>silk vinyl paint</b> on internal plastered walls surfaces.	Sm	98		

**Supply and install the following Sanitary fittings as described:**

	Wash hand basin				
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**BILLS OF QUANTITIES FOR REMODELLING OF THE EXISTING IMPROVEMENT OF THE MATERNITY , AT MBARARA REGIONAL HOSPITAL- MBARARA DISTRICT**

Item	Description	Units	Qty	Rate	Amount
A	White glazed vitreous china <b>pedestal supported</b> wash hand basin as 'Hindi wares' 'Classic' Model complete with 15mm <b>chrome plated Pillar tap</b> and 32mm chrome plated chain waste fitting with back nut. <i>1No. in Delivery and another as will be directed where to fix</i>	No.	3		
	<b>Sluice Sink</b>				
B	G18 Stainless steel <b>Dee slop hopper 1000mm</b> as <b>manufactured by M/s FRANKE</b> with top inlet, work surface and sluice, complete with 9litre cistern, elbow operated taps, resealing bottle traps and all the necessary accessories. <i>(In Sluice Room)</i>	No.	1		
C	Allow for provisional Sum of Ugx:4,000,000/= (Four Million) as will be allocated by project Manager for Ovauling some plumbing system.	No.	1		
<b>TOTAL BILL NO. 3</b>					

**Bill No. 4: PLACENTA PIT**

**Placenta pit internal dimensions (3000mm dia. x 3000mm deep)**

**Excavations and Earthworks**

A	General site clearance and excavation to remove the unwanted soils, average 150mm deep and cart away debris from site.	Sm	54		
B	Excavate foundation trench, not exceeding 1.50m deep commencing from reduced levels.	Cm	15		
C	Excavate placenta pit, not exceeding 1.50m deep commencing from reduced levels.	Cm	19		
D	Ditto but exceeding 1.50m but not exceeding 3.0 deep commencing from reduced levels.	Cm	19		
E	Return fill in and well ram selected excavated materials around plinth wall foundations.	Cm	32		
F	Remove surplus excavated materials from site.	Cm	21		
G	<b>Water disposal:</b> Allow for keeping all excavations free from all water, silt or mud from whatever source, by pumping, baling or otherwise.	Item	1		
H	<b>Planking and Strutting</b> Allow for the provision and subsequent removal of all necessary planking and strutting to uphold the sides of all excavations.	Item	1		
H	<b>Vibrated plain concrete Grade 20 as described:</b> Concrete strip foundation	Cm	3		
I	<b>Approved burnt clay bricks bedded in cement and sand (1:4) mortar as described</b> 200mm thick plinth walling	Sm	26		
J	<b>C25 Reinforced concrete lintels comprising 4No. T12 reinforcement bars 2Top and 2Bottom with R08 links at 200mm c/c, with and including all the necessary formwork.</b> 200x200mm middle beam	Lm	11		
K	<b>Hessian based bituminous felt damp-proof course bedded on and including 12mm thick cement and sand 1:3) bed with 150mm overlaps at joints to:</b> 230mm	Lm	19		

A	<b>Vibrated reinforced concrete Grade 25 as described:</b> 200mm thick Top slab with 800x500mm opening	Sm	20		
B	<b>High tensile ribbed Reinforcement bars to BS 4449 as described</b> 8-12mm steel bars.	Kgs	230		
C	<b>Sawn form work</b> Sides and soffits of slab and beam.	Sm	20		
D	<b>Metallic lid as described:</b> Supply and fix, 900x600mm hinged and lockable metallic lid in 6mm thick mild steel plate complete with all the necessary ironmongery and framing.	No.	1		
E	<b>Splash Apron</b> Prepare and compact previously levelled ground and lay 75mm thick concrete Grade 20 bed 1000mm wide with top surface trowelled smooth to falls on and including 100mm thick bed of rolled imported murrum sub-base and sawn formwork to edge	Sm	13		
F	<b>Approved burnt clay bricks bedded in cement and sand (1:4) mortar as described</b> 200mm thick superstructure walling	Sm	39		
G	<b>Cement and sand (1:4) rendering as described</b> 19mm two coat rendering on Brickwalls.	Sm	78		
H	Tyrolean rendering to external wall surfaces	Sm	78		
I	<b>Supply and fix purpose-made standard section steel grille door and frame complete with ironmongery, including building in Brickwalls and bedding in cement mortar (1:3)</b>				

**BILLS OF QUANTITIES FOR REMODELLING OF THE EXISTING IMPROVEMENT OF THE MATERNITY , AT MBARARA REGIONAL HOSPITAL- MBARARA DISTRICT**

Item	Description	Units	Qty	Rate	Amount
	Size 900x2100mm high.	No.	1		
<b>J</b>	<b>Door Painting as described:</b>				
	Prepare, prime and apply three coats of gloss oil paint on general surfaces of steel Grille door and frame (measured flat both sides)	Sm	5		
<b>K</b>	<b>PRECAST CONCRETE CLASS 20; 20mm AGGREGATE : finished fair on all exposed surfaces including bedding and jointing in cement sand (1:3) mortar</b>				
	300 x 75mm Thick Weathered and throated coping	Lm	19		
<b>L</b>	<b>Vent pipe as described:</b>				
	Supply and fix, 2000x110mm PN6 uPVC vent pipe complete with cowl.	No.	1		
<b>TOTAL BILL NO. 4</b>					

**Bill No. 5: MEDICAL WASTE PIT**

MEDICAL WASTE pit internal dimensions (1800mm dia. x 3000mm deep, but top to be at least 300mm is above ground level)

**Excavations and Earthworks**

<b>A</b>	General site clearance and excavation to remove the unwanted soils, average 150mm deep and cart away debris from site.	Sm	25		
<b>B</b>	Excavate medical waste pit, not exceeding 1.50m deep commencing from reduced levels.	Cm	12		
<b>C</b>	Ditto but exceeding 1.50m but not exceeding 3.0 deep commencing from reduced levels.	Cm	12		
<b>D</b>	Return fill in and well ram selected excavated materials around plinth wall foundations.	Cm	5		
<b>E</b>	Remove surplus excavated materials from site.	Cm	21		
<b>F</b>	<b>Water disposal:</b>				
	Allow for keeping all excavations free from all water, silt or mud from whatever source, by pumping, baling or otherwise.	Item	1		
<b>G</b>	<b>Planking and Strutting</b>				
	Allow for the provision and subsequent removal of all necessary planking and strutting to uphold the sides of all excavations.	Item	1		
<b>H</b>	<b>Vibrated plain concrete Grade 25 as described:</b>				
	Concrete base	Cm	2		
<b>I</b>	<b>Approved burnt clay bricks bedded in cement and sand (1:4) mortar as described</b>				
	200mm thick plinth walling	Sm	24		
<b>J</b>	<b>C25 Reinforced concrete lintels comprising 4No. T12 reinforcement bars 2Top and 2Bottom with R08 links at 200mm c/c, with and including all the necessary formwork.</b>				
	200x200mm middle beam	Lm	6		

<b>A</b>	<b>Vibrated reinforced concrete Grade 25 as described:</b>				
	150mm thick Top slab with 800x500mm opening	Sm	5		
<b>B</b>	<b>High tensile ribbed Reinforcement bars to BS 4449 as described</b>				
	8-12mm steel bars.	Kgs	230		
<b>C</b>	<b>Sawn form work</b>				
	Sides and soffits of slab and beam.	Sm	5		
<b>D</b>	<b>Metallic lid as described:</b>				
	Supply and fix, 900x600mm hinged and lockable metallic lid Ias to existing manholes	No.	3		
<b>F</b>	<b>Waste Storage Shade (Dtails Attached seperately)</b>		1		
<b>TOTAL BILL NO. 5</b>					

<b>SUBTOTAL</b>					
<b>CONTINGENCY, if applicable</b>					%
<b>VAT</b>					18%
<b>GRAND TOTAL</b>					

**BILLS OF QUANTITIES FOR CONSTRUCTION OF A TUBERCULOSIS LABORATORY AT MBARARA MUNICIPAL COUNCIL HEALTH CENTRE IV, IN MBARARA DISTRICT**

Item	Description	Units	Qty	Rate	Amount
<b>Bill No. 1: PRELIMINARIES AND GENERAL CONDITIONS</b>					
A	Provide for mobilisation and demobilisation of Contractor's equipment	Item	1		
B	Progress schedule	Item	1		
C	Water and Electricity for the works	Item	1		
D	The Contractor shall allow for paying and obtaining all approvals including those of Local Authorities, City Council, <b>Occupation Permit</b> and all other legally demandable statutory fees, rates or taxes. No adjustment of the Contract Sum will be made in respect of such payments, unless expressly stated to the contrary in these Bills of Quantities.	Item	1		
<b>TOTAL BILL NO. 1</b>					

<b>Bill No. 2: LABORATORY</b>					
<b>Element No. 2: SUBSTRUCTURE</b>					
<b>Excavations and Earthworks</b>					
A	General site clearance and excavation to remove the unwanted soils, average 150mm deep and cart away debris from site.	Sm	72		
B	Excavate foundation trench, not exceeding 1.50m deep commencing from reduced levels.	Cm	34		
C	Return fill in and well ram selected excavated materials around plinth wall foundations.	Cm	26		
D	Remove surplus excavated materials from site.	Cm	8		
E	<b>Hardcore filling as described:</b> 200mm thick bed of imported clean broken stone hardcore, well spread, levelled and compacted in 150mm layers, blinded with and including 50mm thick layer of fine sand.	Sm	37		
F	<b>Anti-termite treatment:</b> Anti-termite insecticide treatment with "Aldrin 0.5%" or "Dildrex 18%" or other equivalent solution applied in accordance with the manufacturers' printed instructions to hardcore surfaces.	Sm	37		
G	<b>Water proof membrane:</b> 1000 Gauge polythene sheeting as damp-proof membrane, laid on hardcore surfaces, with 200mm minimum end and side laps.	Sm	42		
H	<b>Plain insitu concrete Grade 20 as described:</b> In strip foundation	Cm	5		
I	<b>Vibrated reinforced concrete Grade 25 as described:</b> 150mm thick ground floor slab laid and compacted to falls as directed, on damp proof membrane (measured elsewhere).	Sm	42		
J	<b>BRC fabric mesh as described:</b> Steel wire fabric mesh reinforcement to <b>BS 4483, Ref A98</b> and weighing 1.54kg/sq.m in concrete floor slab with minimum 300mm end and side laps.	Sm	42		
K	<b>Sawn formwork as described:</b> Vertical edges of floor slab, 75 -150mm girth.	Lm	26		

A	<b>Approved burnt clay bricks bedded in cement and sand (1:4) mortar as described</b> 230mm thick plinth walling	Sm	39		
B	<b>Splash Apron</b> Prepare and compact previously levelled ground and lay 75mm thick concrete Grade 20 bed 600mm wide with top surface trowelled smooth to falls on and including 100mm thick bed of rolled imported murrum sub-base and sawn formwork to edge	Sm	17		

<b>Element No. 2: SUPERSTRUCTURE</b>					
A	<b>Approved burnt clay bricks bedded in cement and sand (1:4) mortar as described</b> 230mm thick walling	Sm	74		
B	<b>Vibrated Reinforced Concrete Grade 25 in</b> Beams.	Cm	1		
C	<b>High tensile ribbed Reinforcement bars to BS 4449 as described</b> 8 - 12mm steel bars.	Kgs	192		
D	<b>Sawn form work</b> Sides and soffits of beam.	Sm	12		
F	<b>Hessian based bituminous felt damp-proof course bedded on and including 12mm thick cement and sand 1:3) bed with 150mm overlaps at joints to:</b> 230mm wide	Lm	29		
<b>Steel posts as described:</b>					

**BILLS OF QUANTITIES FOR CONSTRUCTION OF A TUBERCULOSIS LABORATORY AT MBARARA MUNICIPAL COUNCIL HEALTH CENTRE IV, IN MBARARA DISTRICT**

Item	Description	Units	Qty	Rate	Amount
G	Supply and fix, 100mm dia x 3500mm high Class B galvanised steel post with and including embedding in 500x500x500mm Class 20 concrete foundation	No.	3		

**ROOF WORKS**

<b>Roof Structure</b>					
A	50 x 150mm treated softwood rafters.	Lm	50		
B	50 x 150mm treated softwood Tie-beams.	Lm	43		
C	100 x 75mm treated softwood Wall plate.	Lm	28		
D	50 x 100mm treated softwood purlins.	Lm	55		
<b>Fascia and bargeboards:</b>					
E	Supply and fix, 20 x 225mm treated softwood fascia-boards, complete with splayed bottom edges, nailed to ends of timber framework.	Lm	31		
F	Knot, prime, stop, prepare and apply three coats of high gloss enamel paint from approved manufacturers, to the wooden surfaces 200 -300mm girth.	Lm	31		
<b>Gauge 26 prepainted corrugated steel roof sheets as described:</b>					
F	Roof covering fixed to timber-purlins (measured elsewhere) at 900 centres with and including roofing nails complete with caps and felt washers	Sm	68		
G	G26 300mm Wide ridge/hip capping	Lm	26		

**DOORS**

<b>Solid steel door as described</b>					
A	Supply and fix, Solid steel glazed door size 900 x 2400mm high fabricated in 50x50x3mm SHS framing with the lower pane 900x900mm fitted with 2mm thick plate on both sides and the upper 1200mm pane fitted with 6mm thick frosted glass complete with 300mm steel louvered vent, including a priming coat. (Entrance)	No.	1		
<b>Ordinary veneer flush door as described</b>					
B	44mm thick solid core flush door with Ordinary veneer plywood facing both sides size 839mm x 2068mm high overall.	No.	2		
<b>Approved wrot hardwood frames as described:</b>					
C	50 x 200mm rebated hardwood door frame, plugged and screwed to Brickwork.	Lm	14		
<b>Covers beads in wrot Hardwood as described:</b>					
D	45mm x 20mm Architraves/Quadrant beads	Lm	28		
<b>Supply, and fix the following Ironmongery:</b>					
E	100mm high stainless pressed steel butt hinges.	Pairs	3.0		
F	"3-lever" Union mortice lock complete with a set of keys and all accessories.	No.	2		
G	25mm rubber door stop plugged to wall or floor	No.	2		
<b>Prepare and apply three coats of gloss paint as described on:</b>					
H	Surfaces: timber doors	Sm	10		
I	Surfaces: over 200 but not exceeding 300mm girth	Lm	14		
J	Surfaces: steel doors	Sm	5		

**WINDOWS**

A	<b>Purpose made steel casement windows manufactured from <u>Standard W25x3mm thick sections (Z &amp; T sections)</u>; manufacture, assemble and deliver to site: supply and fixing ironmongery comprising approved hinges, pivoting mechanisms, stays, fasteners to opening lights: provide <u>300mm high permanent vents</u>: frames drilled, plugged and screwed or built into walling: one coat red oxide primer before delivery; complete with Burglar proofing grille comprising <u>20 x 4mm flat bars 150mm centres both ways in cobweb pattern welded to 50 x 50 x 6mm angle</u>, the whole having one coat of red oxide primer to fit the following window sizes</b>				
	Size 1500 x 1500mm high.	No.	7		
<b>Glass and Glazing as described:</b>					
B	5mm Clear sheet glass and glazing to metal with putty in panes not exceeding 0.1 sq.m	Sm	16		
<b>Painting as described:</b>					
C	Prepare, prime and apply three coats of gloss oil paint on general surfaces of glazed steel casement windows and frames (measured flat both sides)	Sm	32		
<b>Total Carried to Summary</b>					

**FINISHINGS**

	<b>Approved expanded metal lath ceiling as described</b>				
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**BILLS OF QUANTITIES FOR CONSTRUCTION OF A TUBERCULOSIS LABORATORY AT MBARARA MUNICIPAL COUNCIL HEALTH CENTRE IV, IN MBARARA DISTRICT**

Item	Description	Units	Qty	Rate	Amount
A	Plastered expanded metal lath ceiling comprising 22 gauge expanded metal lath fixed on and including 100mm x 50mm well seasoned and treated ceiling joists at 600mm centres in both directions and plastered with cement and sand (1:4) finished smooth for painting.	Sm	37		
B	Extra over for ceiling access trap door size 600mm x 600mm including framing	No.	1		
C	<b>Two coat lime plastering (1:2:9) as described to:</b> Internal wall surfaces.	Sm	95		
D	<b>Cement and sand (1:4) rendering as described</b> 19mm two coat rendering on Brickwalls finished for painting	Sm	66		
E	<b>Floor finishes as described:</b> Prepare and apply 20mm thick cement/sand (1:3) backing, finished in wood float ready to receive terrazzo (measured elsewhere) on horizontal faces of the floor.	Sm	37		
	<b>POLISHED TERRAZZO : first coat of cement and sand (1:3) : second coat of coloured cement, sand and marble aggregates (1:2:5) : including 25 x 3mm plastic dividing strips at 1200mm centres : in</b>				
F	30mm Thick paving to floors.	Sm	37		
G	150 x 20mm Skirting ; bull nosed edge; coved junction	Lm	40		
	<b>Painting as described:</b>				
H	Prepare and apply three coats of matt emulsion paint from approved manufacturers, to general surfaces of plastered ceiling.	Sm	37		
I	Prepare and apply three coats of weather-guard paint as manufactured by M/s Plascon or other approved equivalent to rendered wall surfaces.	Sm	66		
J	Prepare and apply three coats of <b>silk vinyl paint</b> on internal plastered walls surfaces.	Sm	95		

**FITTINGS AND FIXTURES**

**RATES FOR ALL JOINERY WORKS MUST INCLUDE ALL ACCESSORIES AND FITTINGS; PAINTING AND DECORATIONS; IRONMONGERY; AS GRANITE FINISHED WORKTOPS**

75mm thick concrete class 20 worktop reinforced with BRC A142 mesh and finished with **25mm thick acid resistant granite paving**; 100mm thick concrete class 20 concrete benching reinforced with BRC A142 mesh and finished; 25mm thick blockboard partition walls; 25mm thick blockboard shelving on 25 x 25 hardwood framing; 20mm thick painted plaster to soffits of worktop and support walls; **300mm High x 25mm thick granite splash back**; 25mm thick blockboard shutters ; including all ironmongery, painting and decorations; all to Architect's detailed drawing

A	Working Area; Overall size 600mm wide x 900mm high in L-shape to Architect's detail drawing	Lm	6.9		
	<b>High level shelves and cabinet comprising of: 20mm thick blockboard shelves 25mm thick x 600mm high blockboard shutters; wrot hardwood bearers and fixing brackets; all iron mongery and accessories; painting and decorations; to architect's detailed drawing; in</b>				
B	Working Area; Overall size 1000mm long x 450mm wide x 1200mm high to Architect's detail drawing. <i>(Above worktop)</i>	No.	2		
C	Store Room; Overall size 1800mm long x 450mm wide x 2000mm high to Architect's detail drawing.	No.	1		

**MECHANICAL WORKS**

**WATER SUPPLY AND DRAINAGE PIPEWORK & FITTINGS, AND SANITARY APPLIANCES**

**Tenderers must allow in their pipework prices for all couplings, connectors, joints etc. required in the running lengths of pipework and also where stated for fixing clips or holderbats plugged and screwed.**

**WATER SUPPLY**

**Water Supply; Pipework and Pipe fittings as described:**

A	PN20; PP-R Pipe 20mm	Lm	56		
B	PN20; PP-R Pipe 25mm	Lm	47		
C	PN20; PP-R Pipe 32mm	Lm	32		
D	32mm Gate valves	No.	1		
E	15mm angle valves	No.	2		
F	Flexible tubes (stainless steel braid on PVC) for connection of appliances, complete with all accessories.	No.	2		
G	Excavate trench for Foul-water drainage pipe, not exceeding 110mm diameter and average 750mm deep, including filling in, compacting, grading bottoms and disposing off surplus excavated material from site.	Lm	14		



**BILLS OF QUANTITIES FOR CONSTRUCTION OF A TUBERCULOSIS LABORATORY AT MBARARA MUNICIPAL COUNCIL HEALTH CENTRE IV, IN MBARARA DISTRICT**

Item	Description	Units	Qty	Rate	Amount
H	Supply, assemble and lay PN6 110mm diameter uPVC drain pipes, bends, fittings and all accessories, jointed in foundation trench; average depth 450mm to falls including all associated builders' work.	Lm	14		
I	<b>Gulley traps:</b>				
	Internal size 230x230mm <b>gulley trap</b> , complete with concrete cover, 100mm outlet including bedding and surrounding with 150mm plain concrete (1:3:6) benching and joining to uPVC drain pipe and all necessary excavations, disposal and formwork.	No.	2		
J	<b>Manhole:</b>				
	Construct manhole internal size 600x450x750mm average deep in 230mm thick well burnt clay brickwork, on 100mm thick grade 15 plain concrete base, plastered and screeded with water-proof cement and sand (1:2) plaster, including forming straight and/or curved semi circular channels and having a medium duty cast iron manhole cover and frame, including all the necessary excavations, planking and strutting and disposal of surplus excavated materials.	No.	1		
K	Soakpit size 3m dia. x 3m deep filled with hardcore and covered with 1000 Gauge polythene and top made good to match surroundings.	No.	1		

**SANITARY APPLIANCES**

<b>Supply and install the following Sanitary fittings as described:</b>					
<b>Sinks</b>					
A	510x380mm laboratory sink as manufactured by M/s IDEAL STANDARDS in fire clay C/W 38mm strainer waste and necessary fittings and fitted with 1No. 15mm elbow operated tap in worktop.	No.	2		

**ELECTRICAL WORKS**

A	Allow a provisional sum of Ug shs 4,000,000 (Four million) for the associated electrical works for the proper functioning of the laboratory. <i>Note: The contractor shall first submit a quotation to the Project Manager for approval before executing any electrical works.</i>	Sum	1		
<b>TOTAL BILL NO. 2</b>					

**Bill No. 3: - EXTERNAL WORKS**

A	<b>Excavations and Earthworks</b>				
	Excavate oversite to remove vegetable soil average 200mm deep and remove from site.	Sm	47		
<b>ROAD KERBS</b>					
B	<b>Precast concrete (Grade 25) as described:</b>				
	125x225mm Half-battered kerb bedded and pointed in cement mortar (1:3) on and including 275mm x 100mm thick concrete Grade 15 bed and 100mm haunching at back including all necessary excavations and formwork and removal of surplus excavated materials.	Lm	31		
C	<b>PRECAST CONCRETE "CABROWORKS" heavy duty paving blocks or any other equal and approved: (Walkway 1500mm wide)</b>				
	60mm thick rectangular concrete block paver; size 205 x 110 mm laid on falls and including 50 mm thick sand bed, allow for compaction, rolling and vibration, spread and brush into joints and compact.	Sm	24		
<b>TOTAL BILL NO. 3</b>					

<b>SUBTOTAL</b>					
<b>CONTINGENCY, if applicable</b>					%
<b>VAT</b>					18%
<b>GRAND TOTAL</b>					

**BILLS OF QUANTITIES FOR REMODELLING AND CONVERSION OF THE EXISTING LABORATORY TO  
A MODERN LABORATORY HUB, AT MBARARA HOSPITAL, IN MBARARA DISTRICT**

Item	Description	Units	Qty	Rate	Amount
<b>Bill No. 1: PRELIMINARIES AND GENERAL CONDITIONS</b>					
A	Provide for mobilisation and demobilisation.	Item	1		
B	Progress schedule	Item	1		
C	Water and Electricity for the works	Item	1		
D	The Contractor shall allow for paying and obtaining all approvals including those of Local Authorities, City Council, <b>Occupation Permit</b> and all other legally demandable statutory fees, rates or taxes. No adjustment of the Contract Sum will be made in respect of such payments, unless expressly stated to the contrary in these Bills of Quantities.	Item	1		
<b>TOTAL BILL NO. 1</b>					

<b>Bill No. 2: DEMOLITION/ALTERATION WORKS</b>					
A	Block the door opening size 900 x 2100mm, with 230mm thick blockwall bedded in cement/sand (1:3) mortar, with and including plastering to both sides and bonding to existing walls	No.	2		
B	Carefully demolish the existing 230mm thick brickwall size 2000 x 3000mm, and cart away all debris from site.	Item	1		
C	Block the existing door opening to create a window opening, size 900 x 1200mm, with 230mm thick blockwall bedded in cement/sand (1:3) mortar, with and including plastering to both sides and bonding to existing walls	Item	1		
D	Carefully hack the existing floor screed approximately 80sq.m and cart away all debris from site	Item	1		
<b>TOTAL BILL NO. 2</b>					

<b>Bill No. 3: BUILDING WORKS</b>					
<b>Element No. 1: WALLING</b>					
A	<b>Approved burnt clay bricks bedded in cement and sand (1:4) mortar as described</b> 150mm thick walling	Sm	21		
B	<b>Hessian based bituminous felt damp-proof course bedded on and including 12mm thick cement and sand 1:3) bed with 150mm overlaps at joints to:</b> 150mm Ditto	Lm	7		

<b>Element No. 2: DOORS</b>					
A	<b>Ordinary veneer flush door as described</b> 44mm thick solid core flush door with Ordinary veneer plywood facing both sides size 839mm x 2068mm high overall.	No.	2		
B	<b>Approved wrot hardwood frames as described:</b> 50 x 200mm rebated hardwood door frame, plugged and screwed to Blockwork.	Lm	14		
C	<b>Covers beads in wrot Hardwood as described:</b> 45mm x 20mm Architraves/Quadrant beads	Lm	28		
<b>Supply, and fix the following Ironmongery:</b>					
D	100mm high stainless pressed steel butt hinges.	Pairs	3.0		
E	"3-lever" Union mortice lock with pheonix handles complete with a set of keys and all accessories.	No.	2		
F	Briton 3000 series 'overhead' door closers	No.	2		
G	25mm rubber door stop plugged to wall or floor	No.	8		
<b>Prepare and apply three coats of gloss paint: on woodwork as described:</b>					
H	Surfaces: timber doors	Sm	53		
I	Surfaces: over 200 but not exceeding 300mm girth	Lm	75		

<b>Element No. 3: WINDOWS</b>					
A	<b>Painting</b> Prepare, prime and apply three coats of gloss oil paint on general surfaces of glazed steel casement windows and frames (measured flat both sides)	Sm	156		
<b>Element No. 4: FINISHINGS</b>					
A	<b>Two coat lime plastering (1:2:9) as described to:</b> Internal wall surfaces.	Sm	42		
<b>Painting as described:</b>					
B	Prepare and apply three coats of matt emulsion paint from approved manufacturers, to general surfaces of plastered ceiling.	Sm	132		
C	Prepare and apply three coats of <b>silk vinyl paint</b> on internal plastered walls surfaces.	Sm	226		
<b>Polishing the existing terrazzo:</b>					

**BILLS OF QUANTITIES FOR REMODELLING AND CONVERSION OF THE EXISTING LABORATORY TO A MODERN LABORATORY HUB, AT MBARARA HOSPITAL, IN MBARARA DISTRICT**

<b>D</b>	Allow for polishing the existing terrazzo floor to give it a glossy finish all to the approval of the Project Manager.	Item	1		
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**Element No. 1: FITTINGS AND FIXTURES**

**RATES FOR ALL JOINERY WORKS MUST INCLUDE ALL ACCESSORIES AND FITTINGS; PAINTING AND DECORATIONS; IRONMONGERY; AS PER GRANITE FINISHED WORKTOPS**

**25mm thick ordinary blockboard and finished with 25mm thick white acid resistant granite paving; 100mm thick concrete class 20 concrete benching reinforced with BRC A142 mesh and finished; 25mm thick blockboard partition walls; 25mm thick blockboard shelving on 25 x 25 hardwood framing; 300mm high x 25mm thick granite splash back; 25mm thick blockboard shutters; including all ironmongery, painting and decorations; all to Architect's detailed drawing**

<b>A</b>	Working Area; Overall size 3800mm long x 600mm wide x 900mm high.	No.	1		
<b>B</b>	Working Area; but overall size 6000mm long x 600mm wide x 900mm high	No.	1		
<b>C</b>	Gene Expert Room; Overall size 6200mm long x 600mm wide x 900mm high in L-shape.	No.	1		
<b>D</b>	Automation room; but overall size 3200mm long x 600mm wide x 900mm high	No.	1		

**High level shelves and cabinet comprising of: 20mm thick blockboard shelves 25mm thick x 600mm high blockboard shutters; wrot hardwood bearers and fixing brackets; all iron mongery and accessories; painting and decorations; to architect's detailed drawing; in**

<b>E</b>	Working Area; Overall size 1500mm long x 450mm wide x 1200mm high.	No.	2		
<b>F</b>	Automation Room; Overall size 1500mm long x 450mm wide x 1200mm high.	No.	1		
<b>G</b>	Gene Expert; Overall size 1500mm long x 450mm wide x 1200mm high.	No.	1		

**Storage shelving as described:**

**25mm Thick Veneered Blockborad Shelving on 25 x 25mm/38 x 38mm Hardwood Framing; 25mm blockboard backing plugged to wall; including all ironmongery, Painting and Decorations to Architects Detailed Drawings**

<b>H</b>	Working Area Store; Overall size 4000mm long x 450mm wide x 2000mm high.	No.	1		
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**TOTAL BILL NO. 3**

**Bill No. 4: MECHANICAL WORKS**

**WATER SUPPLY AND DRAINAGE PIPEWORK & FITTINGS, AND SANITARY APPLIANCES**

**Tenderers must allow in their pipework prices for all couplings, connectors, joints etc. required in the running lengths of pipework and also where stated for fixing clips or holderbats plugged and screwed.**

**WATER SUPPLY**

**Water Supply; Pipework and Pipe fittings as described:**

<b>A</b>	PN20; PP-R Pipe 20mm	Lm	96		
<b>B</b>	PN20; PP-R Pipe 25mm	Lm	118		
<b>C</b>	PN20; PP-R Pipe 32mm	Lm	80		
<b>D</b>	32mm Gate valves	No.	1		
<b>E</b>	15mm angle valves	No.	6		
<b>F</b>	Flexible tubes (stainless steel braid on PVC) for connection of appliances, complete with all accessories.	No.	6		

**DRAINAGE**

**Drainage Pipework and Pipe fittings as described:**

<b>H</b>	uPVC 50mm dia. to PN6	Lm	75		
<b>I</b>	Floor trap complete with cover	No.	3		
<b>I</b>	uPVC 50mm dia. to PN6 bend	No.	14		
<b>J</b>	uPVC 50mm dia. Access cap	No.	7		
<b>K</b>	Excavate trench for Foul-water drainage pipe, not exceeding 110mm diameter and average 750mm deep, including filling in, compacting, grading bottoms and disposing off surplus excavated material from site.	Lm	75		
<b>L</b>	Supply, assemble and lay PN6 110mm diameter uPVC drain pipes, bends, fittings and all accessories, jointed in foundation trench; average depth 450mm to falls including all associated builders' work.	Lm	75		

**Gulley traps:**

<b>M</b>	Internal size 230x230mm <b>gulley trap</b> , complete with concrete cover, 100mm outlet including bedding and surrounding with 150mm plain concrete (1:3:6) benching and joining to uPVC drain pipe and all necessary excavations, disposal and formwork.	No.	4		
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**Manhole:**

<b>A</b>	Construct manhole internal size 600x450x750mm average deep in 230mm thick well burnt clay brickwork, on 100mm thick grade 15 plain concrete base, plastered and screeded with water-proof cement and sand (1:2) plaster, including forming straight and/or curved semi circular channels and having a medium duty cast iron manhole cover and frame, including all the necessary excavations, planking and strutting and disposal of surplus excavated materials.	No.	4		
<b>B</b>	Soakpit size 3m dia. x 3m deep filled with hardcore and covered with 1000 Gauge polythene and top made good to match surroundings.	No.	1		
<b>C</b>	Allow for all the necessary building works associated with all the plumbing works	Item	1		

**BILLS OF QUANTITIES FOR REMODELLING AND CONVERSION OF THE EXISTING LABORATORY TO  
A MODERN LABORATORY HUB, AT MBARARA HOSPITAL, IN MBARARA DISTRICT**

<b>SANITARY APPLIANCES</b>				
<b>Supply and install the following Sanitary fittings as described:</b>				
<b>Sinks</b>				
<b>D</b>	510x380x200mm deep laboratory sink as manufactured by <b>M/s IDEAL STANDARDS</b> in fire clay C/W 38mm strainer waste and necessary fittings and fitted with 1No. 15mm elbow operated tap in worktop.	No.	2	
<b>E</b>	Provide and install a 3,000Ltrs tank stand with tank base in Class B galvanised steel pipes approx. 5000mm above existing ground level; weld on it an access ladder wth 16 mm pipe rungs at 250mm centers on the side; paint.	No.	1	
<b>F</b>	Provide and install on top of frame 3,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1	
<b>G</b>	Supply and fix notice boards with hardwood frames 1.2mx1.2m	No.	3	
				<b>TOTAL BILL NO. 4</b>

<b>Bill No. 5: ELECTRICAL WORKS</b>				
<b>A</b>	Allow a provisional sum of Ug shs 4,000,000 (Four million) for the associated electrical works for the proper functioning of the laboratory. <i>Note: The contractor shall first submit a quotation to the Project Manager for approval before executing any electrical works.</i>	Sum	1	
				<b>TOTAL BILL NO. 4</b>

<b>SUBTOTAL</b>				
<b>CONTINGENCY, if applicable</b>				%
<b>VAT</b>				18%
<b>GRAND TOTAL</b>				

**BILLS OF QUANTITIES FOR REMODELLING OF THE EXISTING LABORATORY AND IMPROVEMENT OF THE MATERNITY , AT BIHARWE HEALTH CENTRE III, IN MBARARA DISTRICT**

Item	Description	Units	Qty	Rate	Amount
<b>Bill No. 1: PRELIMINARIES AND GENERAL CONDITIONS</b>					
A	Provide for mobilisation and demobilisation of Contractor's equipment	Item	1		
B	Progress schedule	Item	1		
C	Water and Electricity for the works	Item	1		
D	The Contractor shall allow for paying and obtaining all approvals including those of Local Authorities, City Council, <b>Occupation Permit</b> and all other legally demandable statutory fees, rates or taxes. No adjustment of the Contract Sum will be made in respect of such payments, unless expressly stated to the contrary in these Bills of Quantities.	Item	1		
<b>TOTAL BILL NO. 1</b>					

Item	Description	Units	Qty	Rate	Amount
<b>Bill No. 2: LABORATORY WORKS</b>					
<b>DEMOLITION/ALTERATION WORKS</b>					
A	Allow for creating window opening size 900x900mm high in 230mm thick wall, including finishing to the sides and jambs, and making good all disturbed works.	No.	1		
B	Block the existing window opening size 600 x 900mm, with 230mm thick blockwall bedded in cement/sand (1:3) mortar, with and including plastering to both sides and bonding to existing walls	No.	2		

<b>DOORS</b>					
<b>Prepare and apply three coats of gloss paint: on woodwork as described:</b>					
A	Surfaces: timber doors	Sm	5		
B	Surfaces: over 200 but not exceeding 300mm girth	Lm	7		
C	Surfaces: steel doors	Sm	5		

<b>WINDOWS</b>					
A	<b>Purpose made steel casement windows manufactured from Standard W25x3mm thick sections (Z &amp; T sections); manufacture, assemble and deliver to site: supply and fixing ironmongery comprising approved hinges, pivoting mechanisms, stays, fasteners to opening lights: provide 300mm high permanent vents; frames drilled, plugged and screwed or built into walling: one coat red oxide primer before delivery; complete with Burglar proofing grille comprising 20 x 4mm flat bars 150mm centres both ways in cobweb pattern welded to 50 x 50 x 6mm angle, the whole having one coat of red oxide primer to fit the following window sizes</b>				
	Size 900 x 900mm high. (Store)	No.	1		
B	<b>Glass and Glazing as described:</b> 5mm Clear sheet glass and glazing to metal with putty in panes not exceeding 0.1 sq.m	Sm	1		
C	<b>Painting</b> Prepare, prime and apply three coats of gloss oil paint on general surfaces of glazed steel casement windows and frames (measured flat both sides)	Sm	11		

<b>FINISHINGS</b>					
A	<b>Painting as described:</b> Prepare and apply three coats of matt emulsion paint from approved manufacturers, to general surfaces of existing ceiling.	Sm	15		
B	<b>Rainwater Goods</b> 150mm uPVC rainwater gutter as manufactured by "M/s Multiple Industries" fixed with steel brackets at 600mm centres to fascia board	Lm	30		
C	110mm diameter uPVC rainwater downpipe and fittings	Lm	4		
D	Extra over for 110mm diameter angle pipe outlet	No.	1		

<b>FITTINGS AND FIXTURES</b>					
<b>RATES FOR ALL JOINERY WORKS MUST INCLUDE ALL ACCESSORIES AND FITTINGS; PAINTING AND DECORATIONS; IRONMONGERY; AS POLISHED TERRAZZO FINISHED WORKTOPS</b>					
<b>75mm thick concrete class 20 worktop reinforced with BRC A142 mesh and finished with 25mm thick polished terrazzo; 100mm thick concrete class 20 concrete</b>					
A	Working Area; Overall size 600mm wide x 900mm high to Architect's detail drawing	Lm	5.1		
<b>High level shelves and cabinet comprising of: 20mm thick blockboard shelves 25mm thick x 600mm high blockboard shutters; wrot hardwood bearers</b>					
B	Working Area; size 1500mm long x 450mm wide x 1200mm high to Architect's detail drawing.	No.	1		
C	Store; size 1500mm long x 450mm wide x 1200mm high to Architect's detail drawing.	No.	1		

**MECHANICAL WORKS**

**BILLS OF QUANTITIES FOR REMODELLING OF THE EXISTING LABORATORY AND IMPROVEMENT OF THE MATERNITY , AT BIHARWE HEALTH CENTRE III, IN MBARARA DISTRICT**

Item	Description	Units	Qty	Rate	Amount
<b>WATER SUPPLY AND DRAINAGE PIPEWORK &amp; FITTINGS, AND SANITARY APPLIANCES</b>					
<b>Tenderers must allow in their pipework prices for all couplings, connectors, joints etc. required in the running lengths of pipework and also where</b>					

**WATER SUPPLY**

**Water Supply; Pipework and Pipe fittings as described:**

A	PN20; PP-R Pipe 20mm	Lm	43		
B	PN20; PP-R Pipe 25mm	Lm	38		
C	PN20; PP-R Pipe 32mm	Lm	30		
D	32mm Gate valves	No.	1		
E	15mm angle valves	No.	2		
F	Flexible tubes (stainless steel braid on PVC) for connection of appliances, complete with all accessories.	No.	2		

**DRAINAGE**

**Drainage Pipework and Pipe fittings as described:**

H	uPVC 50mm dia. to PN6	Lm	25		
I	Floor trap complete with cover	No.	2		
I	uPVC 50mm dia. to PN6 bend	No.	2		
J	uPVC 50mm dia. Access cap	No.	2		
K	Excavate trench for Foul-water drainage pipe, not exceeding 110mm diameter and average 750mm deep, including filling in, compacting, grading bottoms and disposing off surplus excavated material from site.	Lm	14		
L	Supply, assemble and lay PN6 110mm diameter uPVC drain pipes, bends, fittings and all accessories, jointed in foundation trench; average depth 450mm to falls including all associated builders' work.	Lm	14		
M	<b>Gulley traps:</b> Internal size 230x230mm <b>gulley trap</b> , complete with concrete cover, 100mm outlet including bedding and surrounding with 150mm plain concrete (1:3:6) benching and joining to uPVC drain pipe and all necessary excavations, disposal and formwork.	No.	1		

**Manhole:**

A	Construct manhole internal size 600x450x750mm average deep in 230mm thick well burnt clay brickwork, on 100mm thick grade 15 plain concrete base, plastered and screeded with water-proof cement and sand (1:2) plaster, including forming straight and/or curved semi circular channels and having a medium duty cast iron manhole cover and frame, including all the necessary excavations, planking and strutting and disposal of surplus excavated materials.	No.	1		
B	Soakpit size 3m dia. x 3m deep filled with hardcore and covered with 1000 Gauge polythene and top made good to match surroundings.	No.	1		

**SANITARY APPLIANCES**

**Supply and install the following Sanitary fittings as described:**

C	<b>Sinks</b> 510x380mm laboratory sink as manufactured by M/s IDEAL STANDARDS in fire clay C/W 38mm strainer waste and necessary fittings and fitted with 1No. 15mm elbow operated tap in worktop.	No.	2		
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**WATER STORAGE & DISTRIBUTION**

D	Provide and install a 3,000Ltrs tank stand with tank base in Class B galvanised steel pipes approx. 5000mm above existing ground level; weld on it an access ladder with 16 mm pipe rungs at 250mm centres on the side; paint.	No.	1		
E	Provide and install on top of frame 3,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
F	Supply and install <b>MoneyMarker Max pedal pump from M/s Davis and Shirliff</b> with 32mm inlet and 25mm outlet.	No.	1		
G	Provide and install on top of concrete base 10,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
H	Construct a water tank base for the 10,000litre tank approximately 1000mm above ground.	No.	1		

**BILLS OF QUANTITIES FOR REMODELLING OF THE EXISTING LABORATORY AND IMPROVEMENT OF THE MATERNITY , AT BIHARWE HEALTH CENTRE III, IN MBARARA DISTRICT**

Item	Description	Units	Qty	Rate	Amount
	<b>Excavations for pipework as described:</b>				
I	Excavate trench not exceeding 1.5m deep and 450mm wide, for water supply pipe line, 25mm diameter, part return, fill and ram and remainder spread on site.	Lm	86		
	<b>Pipework and Pipe fittings:</b>				
J	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 25mm internal dia</b> to BS 8074 or equivalent and to PN10; from the <b>pedal pump to the overhead tank</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	15		
K	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 32mm internal dia</b> to BS 8074 or equivalent and to PN10; from the <b>ground storage tank to the pedal pump</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	86		
<b>TOTAL BILL NO. 2</b>					

**Bill No. 3: MATERNITY**

Item	Description	Units	Qty	Rate	Amount
<b>DEMOLITION/ALTERATION WORKS</b>					
A	Allow for repair of door to the delivery room all to approval of the Project Manager	Item	1		
B	Allow for the removal of the painted clear sheet glass panes in the delivery room and cart away debris from site.	Item	1		
C	Allow for the removal of timber door and frame at the sluice exit and handover all salvaged material to the Client.	Item	1		

**DOORS**

	<b>Solid steel door as described</b>				
A	Supply and fix, Solid steel glazed door size 900 x 2400mm high fabricated in 50x50x3mm SHS framing with the lower pane 900x900mm fitted with 2mm thick plate on both sides and the upper 1200mm pane fitted with 6mm thick frosted glass complete with 300mm steel louvered vent, including a priming coat. ( <i>Fixed at Sluice Exit</i> )	No.	1		
	<b>Ordinary veneer flush door as described</b>				
B	44mm thick double leaf solid core flush door with Ordinary veneer plywood, size 1500 x 2100mm high overall, with 200x500mm high vision panels filed with 5mm thick clear sheet glass and fixed with wrot hardwood timber beadings.	No.	1		
	<b>Approved wrot hardwood frames as described:</b>				
C	50 x 200mm rebated hardwood door frame, plugged and screwed to Brickwork.	Lm	8		
	<b>Covers beads in wrot Hardwood as described:</b>				
D	45mm x 20mm Architraves/Quadrant beads	Lm	16		
	<b>Supply, and fix the following Ironmongery:</b>				
E	100mm high stainless steel double action hinges.	Pairs	4.0		
F	25mm rubber door stop plugged to wall or floor	No.	4		
<b>Prepare and apply three coats of gloss paint as described on:</b>					
G	Surfaces: timber doors	Sm	38		
H	Surfaces: over 200 but not exceeding 300mm girth	Lm	16		
I	Surfaces: steel doors	Sm	5		

**WINDOWS**

	<b>Glass and Glazing as described:</b>				
A	5mm frosted glass and glazing to metal with putty in panes not exceeding 0.1 sq.m	Sm	3		
	<b>Painting as described:</b>				
B	Prepare, prime and apply three coats of gloss oil paint on general surfaces of glazed steel casement windows and frames (measured flat both sides)	Sm	22		

**FINISHINGS**

<b>Painting as described:</b>					
A	Prepare and apply three coats of matt emulsion paint from approved manufacturers, to general surfaces of ceiling.	Sm	18		
B	Prepare and apply three coats of <b>gloss paint</b> on internal plastered walls surfaces.	Sm	52		
	<b>Wall tiling as described:</b>				
C	200 x 300 x 6mm thick <b>ceramic wall tiles</b> of <b>white colour</b> , fixed to prepared cement/sand backing with quality tile adhesive, including pointing all joints with white cement. ( <i>Delivery room and Assisted shower</i> )	Sm	59		
<b>Floor finishes as described:</b>					

**BILLS OF QUANTITIES FOR REMODELLING OF THE EXISTING LABORATORY AND IMPROVEMENT OF THE MATERNITY , AT BIHARWE HEALTH CENTRE III, IN MBARARA DISTRICT**

Item	Description	Units	Qty	Rate	Amount
D	Prepare and apply 20mm thick cement/sand (1:3) backing, finished in wood float ready to receive terrazzo (measured elsewhere) on horizontal faces of the floor.	Sm	14		
	<b>POLISHED TERRAZZO : first coat of cement and sand (1:3) : second coat of coloured cement, sand and marble aggregates (1:2:5) : including 25 x 3mm plastic dividing strips at 1200mm centres : in</b>				
E	30mm Thick paving to floors. ( <i>Delivery room and assisted shower</i> )	Sm	14		
F	150 x 20mm Skirting ; bull nosed edge; coved junction	Lm	19		
<b>Painting as described:</b>					
G	Prepare and apply three coats of matt emulsion paint from approved manufacturers, to general surfaces of existing ceiling.	Sm	30		
H	Prepare and apply three coats of <b>silk vinyl paint</b> on internal plastered walls surfaces.	Sm	70		

**MECHANICAL WORKS**

**WATER SUPPLY AND DRAINAGE PIPEWORK & FITTINGS, AND SANITARY APPLIANCES**

**Tenderers must allow in their pipework prices for all couplings, connectors, joints etc. required in the running lengths of pipework and also where**

**WATER SUPPLY**

**Water Supply; Pipework and Pipe fittings as described:**

A	PN20; PP-R Pipe 20mm	Lm	43		
B	PN20; PP-R Pipe 25mm	Lm	37		
C	PN20; PP-R Pipe 32mm	Lm	32		
D	32mm Gate valves	No.	1		
E	15mm angle valves	No.	4		
F	Flexible tubes (stainless steel braid on PVC) for connection of appliances, complete with all accessories.	No.	4		
G	Excavate trench for Foul-water drainage pipe, not exceeding 110mm diameter and average 750mm deep, including filling in, compacting, grading bottoms and disposing off surplus excavated material from site.	Lm	8		
H	Supply, assemble and lay PN6 110mm diameter uPVC drain pipes, bends, fittings and all accessories, jointed in foundation trench; average depth 450mm to falls including all associated builders' work.	Lm	8		
<b>Gully traps:</b>					
I	Internal size 230x230mm <b>gully trap</b> , complete with concrete cover, 100mm outlet including bedding and surrounding with 150mm plain concrete (1:3:6) benching and joining to uPVC drain pipe and all necessary excavations, disposal and formwork.	No.	2		
<b>Manhole:</b>					
J	Construct manhole internal size 600x450x750mm average deep in 230mm thick well burnt clay brickwork, on 100mm thick grade 15 plain concrete base, plastered and screeded with water-proof cement and sand (1:2) plaster, including forming straight and/or curved semi circular channels and having a medium duty cast iron manhole cover and frame, including all the necessary excavations, planking and strutting and disposal of surplus excavated materials.	No.	2		
K	Soakpit size 3m dia. x 3m deep filled with hardcore and covered with 1000 Gauge polythene and top made good to match surroundings.	No.	1		

**SANITARY APPLIANCES**

**Supply and install the following Sanitary fittings as described:**

A	White glazed vitreous china <b>pedestal supported</b> wash hand basin as 'Hindi wares' 'Classic' Model complete with 15mm <b>chrome plated Pillar tap</b> and 32mm chrome plated chain waste fitting with back nut. ( <i>In Assisted shower</i> )	No.	1		
B	White glazed vitreous china 'P' or 'S' trap WC suite to BS 3402 as ' <b>Hindi wares</b> ' 'Classic' model complete with heavy duty seat and cover with steel hinges as 'Hindi wares' regal model and low level 7.5litre vitreous china WC cistern with fittings, wall brackets, flush pipe and steel flushing handles. ( <i>In Assisted shower</i> )	No.	1		
C	304; G18 Stainless steel <b>Dee slop hopper 1000mm</b> as <b>manufactured by M/s FRANKE</b> with top inlet, work surface and sluice, complete with 9litre cistern, elbow operated taps, resealing bottle traps and all the necessary accessories. ( <i>In Sluice Room</i> )	No.	1		
<b>Shower</b>					
D	100mm diameter chrome plated shower rose, tap and pipe, and mixer tap, and all accessories ( <i>In Assisted shower</i> )	No.	1		



**BILLS OF QUANTITIES FOR REMODELLING OF THE EXISTING LABORATORY AND IMPROVEMENT OF THE MATERNITY , AT BIHARWE HEALTH CENTRE III, IN MBARARA DISTRICT**

Item	Description	Units	Qty	Rate	Amount
E	<b>Solar water heater as described</b> Supply and install, 300litre solar water heater as "Chromegen" supplied by M/s Balton.	No.	1		
<b>TOTAL BILL NO. 3</b>					

**Bill No. 4: PLACENTA PIT**

Placenta pit internal dimensions (3000mm dia. x 3000mm deep)

**Excavations and Earthworks**

A	General site clearance and excavation to remove the unwanted soils, average 150mm deep and cart away debris from site.	Sm	54		
B	Excavate foundation trench, not exceeding 1.50m deep commencing from reduced levels.	Cm	15		
C	Excavate placenta pit, not exceeding 1.50m deep commencing from reduced levels.	Cm	19		
D	Ditto but exceeding 1.50m but not exceeding 3.0 deep commencing from reduced levels.	Cm	19		
ENCY, i	Return fill in and well ram selected excavated materials around plinth wall foundations.	Cm	32		
F	Remove surplus excavated materials from site.	Cm	21		
<b>Water disposal:</b>					
G	Allow for keeping all excavations free from all water, silt or mud from whatever source, by pumping, baling or otherwise.	Item	1		
<b>Planking and Strutting</b>					
H	Allow for the provision and subsequent removal of all necessary planking and strutting to uphold the sides of all excavations.	Item	1		
<b>Vibrated plain concrete Grade 20 as described:</b>					
H	Concrete strip foundation	Cm	3		
<b>Approved burnt clay bricks bedded in cement and sand (1:4) mortar as described</b>					
I	200mm thick plinth walling	Sm	26		
<b>C25 Reinforced concrete lintels comprising 4No. T12 reinforcement bars 2Top and 2Bottom with R08 links at 200mm c/c, with and including all the necessary formwork.</b>					
J	200x200mm middle beam	Lm	11		
<b>Hessian based bituminous felt damp-proof course bedded on and including 12mm thick cement and sand 1:3) bed with 150mm overlaps at joints to:</b>					
K	230mm	Lm	19		

<b>Vibrated reinforced concrete Grade 25 as described:</b>					
A	200mm thick Top slab with 800x500mm opening	Sm	20		
<b>High tensile ribbed Reinforcement bars to BS 4449 as described</b>					
B	8-12mm steel bars.	Kgs	230		
<b>Sawn form work</b>					
C	Sides and soffits of slab and beam.	Sm	20		
<b>Metallic lid as described:</b>					
D	Supply and fix, 900x600mm hinged and lockable metallic lid in 6mm thick mild steel plate complete with all the necessary ironmongery and framing.	No.	1		
<b>Splash Apron</b>					
E	Prepare and compact previously levelled ground and lay 75mm thick concrete Grade 20 bed 1000mm wide with top surface trowelled smooth to falls on and including 100mm thick bed of rolled imported murrum sub-base and sawn formwork to edge	Sm	13		
<b>Approved burnt clay bricks bedded in cement and sand (1:4) mortar as described</b>					
F	200mm thick superstructure walling	Sm	39		
<b>Cement and sand (1:4) rendering as described</b>					
G	19mm two coat rendering on Brickwalls.	Sm	78		
H	Tyrolean rendering to external wall surfaces	Sm	78		
<b>Supply and fix purpose-made standard section steel grille door and frame complete with ironmongery, including building in Brickwalls and bedding in cement mortar (1:3)</b>					
I	Size 900x2100mm high.	No.	1		
<b>Door Painting as described:</b>					
J	Prepare, prime and apply three coats of gloss oil paint on general surfaces of steel Grille door and frame (measured flat both sides)	Sm	5		
<b>PRECAST CONCRETE CLASS 20; 20mm AGGREGATE : finished fair on all exposed surfaces including bedding and jointing in cement sand (1:3) mortar</b>					
K	300 x 75mm Thick Weathered and throated coping	Lm	19		
<b>Vent pipe as described:</b>					
r					

**BILLS OF QUANTITIES FOR REMODELLING OF THE EXISTING LABORATORY AND IMPROVEMENT OF THE MATERNITY , AT BIHARWE HEALTH CENTRE III, IN MBARARA DISTRICT**

Item	Description	Units	Qty	Rate	Amount
	Supply and fix, 2000x110mm PN6 uPVC vent pipe complete with cowl.	No.	1		
<b>TOTAL BILL NO. 4</b>					

**Bill No. 5: MEDICAL WASTE PIT**

MEDICAL WASTE pit internal dimensions (1800mm dia. x 3000mm deep, but top to be atleast 300mm is above ground level)

**Excavations and Earthworks**

A	General site clearance and excavation to remove the unwanted soils, average 150mm deep and cart away debris from site.	Sm	25		
B	Excavate medical waste pit, not exceeding 1.50m deep commencing from reduced levels.	Cm	12		
C	Ditto but exceeding 1.50m but not exceeding 3.0 deep commencing from reduced levels.	Cm	12		
D	Return fill in and well ram selected excavated materials around plinth wall foundations.	Cm	5		
E	Remove surplus excavated materials from site.	Cm	21		
F	<b>Water disposal:</b> Allow for keeping all excavations free from all water, silt or mud from whatever source, by pumping, baling or otherwise.	Item	1		
G	<b>Planking and Strutting</b> Allow for the provision and subsequent removal of all necessary planking and strutting to uphold the sides of all excavations.	Item	1		
H	<b>Vibrated plain concrete Grade 25 as described:</b> Concrete base	Cm	2		
I	<b>Approved burnt clay bricks bedded in cement and sand (1:4) mortar as described</b> 200mm thick plinth walling	Sm	24		
J	<b>C25 Reinforced concrete lintels comprising 4No. T12 reinforcement bars 2Top and 2Bottom with R08 links at 200mm c/c, with and including all the necessary formwork.</b> 200x200mm middle beam	Lm	6		

A	<b>Vibrated reinforced concrete Grade 25 as described:</b> 150mm thick Top slab with 800x500mm opening	Sm	5		
B	<b>High tensile ribbed Reinforcement bars to BS 4449 as described</b> 8-12mm steel bars.	Kgs	230		
C	<b>Sawn form work</b> Sides and soffits of slab and beam.	Sm	5		
D	<b>Metallic lid as described:</b> Supply and fix, 900x600mm hinged and lockable metallic lid in 6mm thick mild steel plate complete with all the necessary ironmongery and framing.	No.	1		
<b>TOTAL BILL NO. 5</b>					

<b>SUBTOTAL</b>					
<b>CONTINGENCY, if applicable</b>					%
<b>VAT</b>					18%
<b>GRAND TOTAL</b>					

**BILLS OF QUANTITIES FOR REMODELLING OF THE EXISTING LABORATORY AND IMPROVEMENT OF THE MATERNITY , AT MWIZI HEALTH CENTRE III, IN MBARARA DISTRICT**

Item	Description	Units	Qty	Rate	Amount
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**Bill No. 1: PRELIMINARIES AND GENERAL CONDITIONS**

A	Provide for mobilisation and demobilisation of Contractor's equipment	Item	1		
B	Progress schedule	Item	1		
C	Water and Electricity for the works	Item	1		
D	The Contractor shall allow for paying and obtaining all approvals including those of Local Authorities, City Council, <b>Occupation Permit</b> and all other legally demandable statutory fees, rates or taxes. No adjustment of the Contract Sum will be made in respect of such payments, unless expressly stated to the contrary in these Bills of Quantities.	Item	1		
<b>TOTAL BILL NO. 1</b>					

**Bill No. 2: LABORATORY WORKS**

**DEMOLITION/ALTERATION WORKS**

A	Allow for creating door opening size 900x900mm high in 230mm thick wall, including finishing to the sides and jambs, and making good all disturbed works.	No.	1		
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**DOORS**

A	<b>Ordinary veneer flush door as described</b> 44mm thick solid core flush door with Ordinary veneer plywood facing both sides size 839mm x 2068mm high overall.	No.	1		
B	<b>Approved wrot hardwood frames as described:</b> 50 x 200mm rebated hardwood door frame, plugged and screwed to Brickwork.	Lm	7		
C	<b>Covers beads in wrot Hardwood as described:</b> 45mm x 20mm Architraves/Quadrant beads	Lm	14		
<b>Supply, and fix the following Ironmongery:</b>					
D	100mm high stainless pressed steel butt hinges.	Pairs	1.5		
E	"3-lever" Union mortice lock complete with a set of keys and all accessories.	No.	1		
F	25mm rubber door stop plugged to wall or floor	No.	1		
<b>Prepare and apply three coats of gloss paint: on woodwork as described:</b>					
G	Surfaces: timber doors	Sm	5		
H	Surfaces: over 200 but not exceeding 300mm girth	Lm	7		
I	Surfaces: steel doors	Sm	5		

**WINDOWS**

A	<b>Purpose made steel casement windows manufactured from Standard W25x3mm thick sections (Z &amp; T sections); manufacture, assemble and deliver to site: supply and fixing ironmongery comprising approved hinges, pivoting mechanisms, stays, fasteners to opening lights: provide 300mm high permanent vents: frames drilled, plugged and screwed or built into walling: one coat red oxide primer before delivery; complete with Burglar proofing grille comprising 20 x 4mm flat bars 150mm centres both ways in cobweb pattern welded to 50 x 50 x 6mm angle, the whole having one coat of red oxide primer to fit the following window sizes</b>  Size 900 x 900mm high. (Access at Phlebotomy)	No.	1		
B	<b>Glazing</b> 5mm Clear sheet glass and glazing to metal with putty in panes not exceeding 0.1 sq.m	Sm	1		
C	<b>Painting</b> Prepare, prime and apply three coats of gloss oil paint on general surfaces of glazed steel casement windows and frames (measured flat both sides)	Sm	14		

**FINISHINGS**

A	<b>Painting as described:</b> Prepare and apply three coats of matt emulsion paint from approved manufacturers, to general surfaces of existing ceiling.	Sm	20		
<b>Rainwater Goods</b>					
B	150mm uPVC rainwater gutter as manufactured by "M/s Multiple Industries" fixed with steel brackets at 600mm centres to fascia board	Lm	30		
C	110mm diameter uPVC rainwater downpipe and fittings	Lm	4		
D	Extra over for 110mm diameter angle pipe outlet	No.	1		

**FITTINGS AND FIXTURES**

**RATES FOR ALL JOINERY WORKS MUST INCLUDE ALL ACCESSORIES AND FITTINGS; PAINTING AND DECORATIONS; IRONMONGERY; AS POLISHED TERRAZZO FINISHED WORKTOPS**

**BILLS OF QUANTITIES FOR REMODELLING OF THE EXISTING LABORATORY AND IMPROVEMENT OF THE MATERNITY , AT MWIZI HEALTH CENTRE III, IN MBARARA DISTRICT**

Item	Description	Units	Qty	Rate	Amount
A	<b>75mm thick concrete class 20 worktop reinforced with BRC A142 mesh and finished with 25mm thick polished terrazzo; 100mm thick concrete class 20 concrete benching reinforced with BRC A142 mesh and finished; 25mm thick blockboard partition walls; 25mm thick blockboard shelving on 25 x 25 hardwood framing; 20mm thick painted plaster to soffits of worktop and support walls; 300mm high x 15mm thick polished terrazzo splash back ; 100mm high x 15mm thick polished terrazzo fascia; 25mm thick blockboard shutters ; including all ironmongery, painting and decorations; all to Architect's detailed drawing</b>				
	Working Area; Overall size 600mm wide x 900mm high to Architect's detail drawing	Lm	5.1		
B	<b>High level shelves and cabinet comprising of: 20mm thick blockboard shelves 25mm thick x 600mm high blockboard shutters; wrot hardwood bearers and fixing brackets; all iron mongery and accessories; painting and decorations; to architect's detailed drawing; in</b>				
	Working Area; size 1500mm long x 450mm wide x 1200mm high to Architect's detail drawing.	No.	1		

**MECHANICAL WORKS**

**WATER SUPPLY AND DRAINAGE PIPEWORK & FITTINGS, AND SANITARY APPLIANCES**

**Tenderers must allow in their pipework prices for all couplings, connectors, joints etc. required in the running lengths of pipework and also where**

**WATER SUPPLY**

<b>Water Supply; Pipework and Pipe fittings as described:</b>					
A	PN20; PP-R Pipe 20mm	Lm	43		
B	PN20; PP-R Pipe 25mm	Lm	38		
C	PN20; PP-R Pipe 32mm	Lm	30		
D	32mm Gate valves	No.	1		
E	15mm angle valves	No.	2		
F	Flexible tubes (stainless steel braid on PVC) for connection of appliances, complete with all accessories.	No.	2		

**DRAINAGE**

**Drainage Pipework and Pipe fittings as described:**

H	uPVC 50mm dia. to PN6	Lm	25		
I	Floor trap complete with cover	No.	2		
I	uPVC 50mm dia. to PN6 bend	No.	2		
J	uPVC 50mm dia. Access cap	No.	2		
K	Excavate trench for Foul-water drainage pipe, not exceeding 110mm diameter and average 750mm deep, including filling in, compacting, grading bottoms and disposing off surplus excavated material from site.	Lm	14		
L	Supply, assemble and lay PN6 110mm diameter uPVC drain pipes, bends, fittings and all accessories, jointed in foundation trench; average depth 450mm to falls including all associated builders' work.	Lm	14		
M	<b>Gulley traps:</b>				
	Internal size 230x230mm <b>gulley trap</b> , complete with concrete cover, 100mm outlet including bedding and surrounding with 150mm plain concrete (1:3:6) benching and joining to uPVC drain pipe and all necessary excavations, disposal and formwork.	No.	1		

**Manhole:**

A	Construct manhole internal size 600x450x750mm average deep in 230mm thick well burnt clay brickwork, on 100mm thick grade 15 plain concrete base, plastered and screeded with water-proof cement and sand (1:2) plaster, including forming straight and/or curved semi circular channels and having a medium duty cast iron manhole cover and frame, including all the necessary excavations, planking and strutting and disposal of surplus excavated materials.	No.	1		
B	Soakpit size 3m dia. x 3m deep filled with hardcore and covered with 1000 Gauge polythene and top made good to match surroundings.	No.	1		

**SANITARY APPLIANCES**

**Supply and install the following Sanitary fittings as described:**

C	<b>Sinks</b>				
	510x380mm laboratory sink as manufactured by M/s IDEAL STANDARDS in fire clay C/W 38mm strainer waste and necessary fittings and fitted with 1No. 15mm elbow operated tap in worktop.	No.	2		

**BILLS OF QUANTITIES FOR REMODELLING OF THE EXISTING LABORATORY AND IMPROVEMENT OF THE MATERNITY , AT MWIZI HEALTH CENTRE III, IN MBARARA DISTRICT**

Item	Description	Units	Qty	Rate	Amount
<b>WATER STORAGE &amp; DISTRIBUTION</b>					
D	Provide and install a 3,000Ltrs tank stand with tank base in Class B galvanised steel pipes approx. 5000mm above existing ground level; weld on it an access ladder with 16 mm pipe rungs at 250mm centres on the side; paint.	No.	1		
E	Provide and install on top of frame 3,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
F	Supply and install <b>MoneyMarker Max pedal pump from M/s Davis and Shirliff</b> with 32mm inlet and 25mm outlet.	No.	1		
G	Provide and install on top of concrete base 10,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
H	Construct a water tank base for the 10,000litre tank approximately 1000mm above ground.	No.	1		
I	<b>Excavations for pipework as described:</b> Excavate trench not exceeding 1.5m deep and 450mm wide, for water supply pipe line, 25mm diameter, part return, fill and ram and remainder spread on site.	Lm	78		
J	<b>Pipework and Pipe fittings:</b> Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 25mm internal dia</b> to BS 8074 or equivalent and to PN10; from the <b>pedal pump to the overhead tank</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	15		
K	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 32mm internal dia</b> to BS 8074 or equivalent and to PN10; from the <b>ground storage tank to the pedal pump</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	78		
<b>TOTAL BILL NO. 2</b>					

**Bill No. 3: MATERNITY**

**DEMOLITION/ALTERATION WORKS**

A	Allow for repair of all the roof leakage all to approval of the Project Manager	Item	1		
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**DOORS**

<b>Solid steel door as described</b>					
A	Supply and fix, Solid steel glazed door size 900 x 2400mm high fabricated in 50x50x3mm SHS framing with the lower pane 900x900mm fitted with 2mm thick plate on both sides and the upper 1200mm pane fitted with 6mm thick frosted glass complete with 300mm steel louvered vent, including a priming coat. ( <i>Fixed at Sluice Exit</i> )	No.	1		
<b>Ordinary veneer flush door as described</b>					
B	44mm thick double leaf solid core flush door with Ordinary veneer plywood, size 1500 x 2100mm high overall, with 200x500mm high vision panels filed with 5mm thick clear sheet glass and fixed with wrot hardwood timber beadings.	No.	1		
<b>Approved wrot hardwood frames as described:</b>					
C	50 x 200mm rebated hardwood door frame, plugged and screwed to Brickwork.	Lm	8		
<b>Covers beads in wrot Hardwood as described:</b>					
D	45mm x 20mm Architraves/Quadrant beads	Lm	16		
<b>Supply, and fix the following Ironmongery:</b>					
E	100mm high stainless steel double action hinges.	Pairs	4.0		
F	25mm rubber door stop plugged to wall or floor	No.	4		
<b>Prepare and apply three coats of gloss paint as described on:</b>					
G	Surfaces: timber doors	Sm	38		
H	Surfaces: over 200 but not exceeding 300mm girth	Lm	16		
I	Surfaces: steel doors	Sm	5		

**WINDOWS**

<b>Glass and Glazing as described:</b>					
A	5mm frosted glass and glazing to metal with putty in panes not exceeding 0.1 sq.m	Sm	3		
<b>Painting as described:</b>					
B	Prepare, prime and apply three coats of gloss oil paint on general surfaces of glazed steel casement windows and frames (measured flat both sides)	Sm	22		

**BILLS OF QUANTITIES FOR REMODELLING OF THE EXISTING LABORATORY AND IMPROVEMENT OF THE MATERNITY , AT MWIZI HEALTH CENTRE III, IN MBARARA DISTRICT**

Item	Description	Units	Qty	Rate	Amount
<b>FINISHINGS</b>					
<b>Painting as described:</b>					
A	Prepare and apply three coats of matt emulsion paint from approved manufacturers, to general surfaces of ceiling.	Sm	18		
B	Prepare and apply three coats of <b>gloss paint</b> on internal plastered walls surfaces.	Sm	52		
<b>Wall tiling as described:</b>					
C	200 x 300 x 6mm thick <b>ceramic wall tiles</b> of <b>white colour</b> , fixed to prepared cement/sand backing with quality tile adhesive, including pointing all joints with white cement. ( <i>Delivery room and Assisted shower</i> )	Sm	59		
<b>Floor finishes as described:</b>					
D	Prepare and apply 20mm thick cement/sand (1:3) backing, finished in wood float ready to receive terrazzo (measured elsewhere) on horizontal faces of the floor.	Sm	14		
<b>POLISHED TERRAZZO : first coat of cement and sand (1:3) : second coat of coloured cement, sand and marble aggregates (1:2:5) : including 25 x 3mm plastic dividing strips at 1200mm centres : in</b>					
E	30mm Thick paving to floors. ( <i>Delivery room and assisted shower</i> )	Sm	14		
F	150 x 20mm Skirting ; bull nosed edge; coved junction	Lm	19		
<b>Painting as described:</b>					
G	Prepare and apply three coats of matt emulsion paint from approved manufacturers, to general surfaces of existing ceiling.	Sm	30		
H	Prepare and apply three coats of <b>silk vinyl paint</b> on internal plastered walls surfaces.	Sm	70		

**MECHANICAL WORKS**

**WATER SUPPLY AND DRAINAGE PIPEWORK & FITTINGS, AND SANITARY APPLIANCES**

**Tenderers must allow in their pipework prices for all couplings, connectors, joints etc. required in the running lengths of pipework and also where**

**WATER SUPPLY**

**Water Supply; Pipework and Pipe fittings as described:**

A	PN20; PP-R Pipe 20mm	Lm	43		
B	PN20; PP-R Pipe 25mm	Lm	37		
C	PN20; PP-R Pipe 32mm	Lm	32		
D	32mm Gate valves	No.	1		
E	15mm angle valves	No.	4		
F	Flexible tubes (stainless steel braid on PVC) for connection of appliances, complete with all accessories.	No.	4		
G	Excavate trench for Foul-water drainage pipe, not exceeding 110mm diameter and average 750mm deep, including filling in, compacting, grading bottoms and disposing off surplus excavated material from site.	Lm	8		
H	Supply, assemble and lay PN6 110mm diameter uPVC drain pipes, bends, fittings and all accessories, jointed in foundation trench; average depth 450mm to falls including all associated builders' work.	Lm	8		
<b>Gulley traps:</b>					
I	Internal size 230x230mm <b>gully trap</b> , complete with concrete cover, 100mm outlet including bedding and surrounding with 150mm plain concrete (1:3:6) benching and joining to uPVC drain pipe and all necessary excavations, disposal and formwork.	No.	2		

**Manhole:**

J	Construct manhole internal size 600x450x750mm average deep in 230mm thick well burnt clay brickwork, on 100mm thick grade 15 plain concrete base, plastered and screeded with water-proof cement and sand (1:2) plaster, including forming straight and/or curved semi circular channels and having a medium duty cast iron manhole cover and frame, including all the necessary excavations, planking and strutting and disposal of surplus excavated materials.	No.	2		
K	Soakpit size 3m dia. x 3m deep filled with hardcore and covered with 1000 Gauge polythene and top made good to match surroundings.	No.	1		

**SANITARY APPLIANCES**

**Supply and install the following Sanitary fittings as described:**

A	White glazed vitreous china <b>pedestal supported</b> wash hand basin as 'Hindi wares' 'Classic' Model complete with 15mm <b>chrome plated Pillar tap</b> and 32mm chrome plated chain waste fitting with back nut. ( <i>In Assisted shower</i> )	No.	1		
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**BILLS OF QUANTITIES FOR REMODELLING OF THE EXISTING LABORATORY AND IMPROVEMENT OF THE MATERNITY , AT MWIZI HEALTH CENTRE III, IN MBARARA DISTRICT**

Item	Description	Units	Qty	Rate	Amount
B	White glazed vitreous china 'P' or 'S' trap WC suite to BS 3402 as 'Hindi wares' 'Classic' model complete with heavy duty seat and cover with steel hinges as 'Hindi wares' regal model and low level 7.5litre vitreous china WC cistern with fittings, wall brackets, flush pipe and steel flushing handles. <i>(In Assisted shower)</i>	No.	1		
C	304; G18 Stainless steel <b>Dee slop hopper 1000mm</b> as <b>manufactured by M/s FRANKE</b> with top inlet, work surface and sluice, complete with 9litre cistern, elbow operated taps, resealing bottle traps and all the necessary accessories. <i>(In Sluice Room)</i>	No.	1		
<b>Shower</b>					
D	100mm diameter chrome plated shower rose, tap and pipe, and mixer tap, and all accessories <i>(In Assisted shower)</i>	No.	1		
<b>Solar water heater as described</b>					
E	Supply and install, <b>300litre solar water heater</b> as " <b>Chromegen</b> " supplied by <b>M/s Balton</b> .	No.	1		
<b>TOTAL BILL NO. 3</b>					

**Bill No. 4: PLACENTA PIT**

Placenta pit internal dimensions (3000mm dia. x 3000mm deep)

**Excavations and Earthworks**

A	General site clearance and excavation to remove the unwanted soils, average 150mm deep and cart away debris from site.	Sm	54		
B	Excavate foundation trench, not exceeding 1.50m deep commencing from reduced levels.	Cm	15		
ENCY, i	Excavate placenta pit, not exceeding 1.50m deep commencing from reduced levels.	Cm	19		
D	Ditto but exceeding 1.50m but not exceeding 3.0 deep commencing from reduced levels.	Cm	19		
E	Return fill in and well ram selected excavated materials around plinth wall foundations.	Cm	32		
F	Remove surplus excavated materials from site.	Cm	21		
<b>Water disposal:</b>					
G	Allow for keeping all excavations free from all water, silt or mud from whatever source, by pumping, baling or otherwise.	Item	1		
<b>Planking and Strutting</b>					
H	Allow for the provision and subsequent removal of all necessary planking and strutting to uphold the sides of all excavations.	Item	1		
<b>Vibrated plain concrete Grade 20 as described:</b>					
H	Concrete strip foundation	Cm	3		
<b>Approved burnt clay bricks bedded in cement and sand (1:4) mortar as described</b>					
I	200mm thick plinth walling	Sm	26		
<b>C25 Reinforced concrete lintels comprising 4No. T12 reinforcement bars 2Top and 2Bottom with R08 links at 200mm c/c, with and including all the necessary formwork.</b>					
J	200x200mm middle beam	Lm	11		
<b>Hessian based bituminous felt damp-proof course bedded on and including 12mm thick cement and sand 1:3) bed with 150mm overlaps at joints to:</b>					
K	230mm	Lm	19		

<b>Vibrated reinforced concrete Grade 25 as described:</b>					
A	200mm thick Top slab with 800x500mm opening	Sm	20		
<b>High tensile ribbed Reinforcement bars to BS 4449 as described</b>					
B	8-12mm steel bars.	Kgs	230		
<b>Sawn form work</b>					
C	Sides and soffits of slab and beam.	Sm	20		
<b>Metallic lid as described:</b>					
D	Supply and fix, 900x600mm hinged and lockable metallic lid in 6mm thick mild steel plate complete with all the necessary ironmongery and framing.	No.	1		
<b>Splash Apron</b>					
E	Prepare and compact previously levelled ground and lay 75mm thick concrete Grade 20 bed 1000mm wide with top surface trowelled smooth to falls on and including 100mm thick bed of rolled imported murrum sub-base and sawn formwork to edge	Sm	13		
<b>Approved burnt clay bricks bedded in cement and sand (1:4) mortar as described</b>					
F	200mm thick superstructure walling	Sm	39		

**BILLS OF QUANTITIES FOR REMODELLING OF THE EXISTING LABORATORY AND IMPROVEMENT OF THE MATERNITY , AT MWIZI HEALTH CENTRE III, IN MBARARA DISTRICT**

Item	Description	Units	Qty	Rate	Amount
<b>G</b>	<b>Cement and sand (1:4) rendering as described</b> 19mm two coat rendering on Brickwalls.	Sm	78		
<b>H</b>	Tyrolean rendering to external wall surfaces	Sm	78		
	<b>Supply and fix purpose-made standard section steel grille door and frame complete with ironmongery, including building in Brickwalls and bedding in cement mortar (1:3)</b>				
<b>I</b>	Size 900x2100mm high.	No.	1		
<b>J</b>	<b>Door Painting as described:</b> Prepare, prime and apply three coats of gloss oil paint on general surfaces of steel Grille door and frame (measured flat both sides)	Sm	5		
<b>K</b>	<b>PRECAST CONCRETE CLASS 20; 20mm AGGREGATE : finished fair on all exposed surfaces including bedding and jointing in cement sand (1:3) mortar</b> 300 x 75mm Thick Weathered and throated coping	Lm	19		
<b>L</b>	<b>Vent pipe as described:</b> Supply and fix, 2000x110mm PN6 uPVC vent pipe complete with cowl.	No.	1		
<b>TOTAL BILL NO. 4</b>					

**Bill No. 5: MEDICAL WASTE PIT**

	MEDICAL WASTE pit internal dimensions (1800mm dia. x 3000mm deep, but top to be atleast 300mm is above ground level)				
<b>Excavations and Earthworks</b>					
<b>A</b>	General site clearance and excavation to remove the unwanted soils, average 150mm deep and cart away debris from site.	Sm	25		
<b>B</b>	Excavate medical waste pit, not exceeding 1.50m deep commencing from reduced levels.	Cm	12		
<b>C</b>	Ditto but exceeding 1.50m but not exceeding 3.0 deep commencing from reduced levels.	Cm	12		
<b>D</b>	Return fill in and well ram selected excavated materials around plinth wall foundations.	Cm	5		
<b>E</b>	Remove surplus excavated materials from site.	Cm	21		
<b>F</b>	<b>Water disposal:</b> Allow for keeping all excavations free from all water, silt or mud from whatever source, by pumping, baling or otherwise.	Item	1		
<b>G</b>	<b>Planking and Strutting</b> Allow for the provision and subsequent removal of all necessary planking and strutting to uphold the sides of all excavations.	Item	1		
<b>H</b>	<b>Vibrated plain concrete Grade 25 as described:</b> Concrete base	Cm	2		
<b>I</b>	<b>Approved burnt clay bricks bedded in cement and sand (1:4) mortar as described</b> 200mm thick plinth walling	Sm	24		
<b>J</b>	<b>C25 Reinforced concrete lintels comprising 4No. T12 reinforcement bars 2Top and 2Bottom with R08 links at 200mm c/c, with and including all the necessary formwork.</b> 200x200mm middle beam	Lm	6		

<b>A</b>	<b>Vibrated reinforced concrete Grade 25 as described:</b> 150mm thick Top slab with 800x500mm opening	Sm	5		
<b>B</b>	<b>High tensile ribbed Reinforcement bars to BS 4449 as described</b> 8-12mm steel bars.	Kgs	230		
<b>C</b>	<b>Sawn form work</b> Sides and soffits of slab and beam.	Sm	5		
<b>D</b>	<b>Metallic lid as described:</b> Supply and fix, 900x600mm hinged and lockable metallic lid in 6mm thick mild steel plate complete with all the necessary ironmongery and framing.	No.	1		
<b>TOTAL BILL NO. 5</b>					

<b>SUBTOTAL</b>					
<b>CONTINGENCY, if applicable</b>					%
<b>VAT</b>					18%
<b>GRAND TOTAL</b>					



**BILLS OF QUANTITIES IMPROVEMENT OF THE MATERNITY , AT NYAKITUNDA HEALTH CENTRE  
III, IN ISINGIRO DISTRICT**

Item	Description	Units	Qty	Rate	Amount
<b>WATER SUPPLY AND DRAINAGE PIPEWORK &amp; FITTINGS, AND SANITARY APPLIANCES</b>					
<b>Tenderers must allow in their pipework prices for all couplings, connectors, joints etc. required in the running lengths of pipework and also where stated for fixing clips or holderbats plugged and screwed.</b>					
<b>WATER SUPPLY</b>					
<b>Water Supply; Pipework and Pipe fittings as described:</b>					
A	PN20; PP-R Pipe 20mm	Lm	65		
B	PN20; PP-R Pipe 25mm	Lm	56		
C	PN20; PP-R Pipe 32mm	Lm	40		
D	32mm Gate valves	No.	1		
E	15mm angle valves	No.	3		
F	Flexible tubes (stainless steel braid on PVC) for connection of appliances, complete with all accessories.	No.	3		
G	Excavate trench for Foul-water drainage pipe, not exceeding 110mm diameter and average 750mm deep, including filling in, compacting, grading bottoms and disposing off surplus excavated material from site.	Lm	8		
H	Supply, assemble and lay PN6 110mm diameter uPVC drain pipes, bends, fittings and all accessories, jointed in foundation trench; average depth 450mm to falls including all associated builders' work.	Lm	8		
<b>Gulley traps:</b>					
I	Internal size 230x230mm <b>gully trap</b> , complete with concrete cover, 100mm outlet including bedding and surrounding with 150mm plain concrete (1:3:6) benching and joining to uPVC drain pipe and all necessary excavations, disposal and formwork.	No.	1		
<b>Manhole:</b>					
J	Construct manhole internal size 600x450x750mm average deep in 230mm thick well burnt clay brickwork, on 100mm thick grade 15 plain concrete base, plastered and screeded with water-proof cement and sand (1:2) plaster, including forming straight and/or curved semi circular channels and having a medium duty cast iron manhole cover and frame, including all the necessary excavations, planking and strutting and disposal of surplus excavated materials.	No.	1		
K	Soakpit size 3m dia. x 3m deep filled with hardcore and covered with 1000 Gauge polythene and top made good to match surroundings.	No.	1		
<b>WATER STORAGE &amp; DISTRIBUTION</b>					
A	Provide and install on top of frame 3,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
B	Provide and install a 3,000Ltrs tank stand with tank base in Class B galvanised steel pipes approx. 5000mm above existing ground level; weld on it an access ladder with 16 mm pipe rungs at 250mm centres on the side; paint.	No.	1		
C	Supply and install <b>MoneyMarker Max pedal pump from M/s Davis and Shirliff</b> with 32mm inlet and 25mm outlet.	No.	1		
D	Provide and install on top of concrete base 10,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
E	Construct a water tank base for the 10,000litre tank approximately 1000mm above ground.	No.	1		
<b>Excavations for pipework as described:</b>					
F	Excavate trench not exceeding 1.5m deep and 450mm wide, for water supply pipe line, 25mm diameter, part return, fill and ram and remainder spread on site.	Lm	50		
<b>Pipework and Pipe fittings:</b>					
G	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 25mm internal dia to BS 8074 or equivalent and to PN10; from the pedal pump to the overhead tank</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	15		
H	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 32mm internal dia to BS 8074 or equivalent and to PN10; from the ground storage tank to the pedal pump</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	50		
<b>SUBTOTAL</b>					
<b>CONTINGENCY, if applicable</b>				%	
<b>VAT</b>				18%	
<b>GRAND TOTAL</b>					

**BILLS OF QUANTITIES FOR THE WATER IN THE MATERNITY , AT KABUYANDA HEALTH CENTRE  
IV, IN ISINGIRO DISTRICT**

Item	Description	Units	Qty	Rate	Amount
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**WATER SUPPLY AND DRAINAGE PIPEWORK & FITTINGS, AND SANITARY APPLIANCES**

**Tenderers must allow in their pipework prices for all couplings, connectors, joints etc. required in the running lengths of pipework and also where stated for fixing clips or holderbats plugged and screwed.**

**WATER SUPPLY**

**Water Supply; Pipework and Pipe fittings as described:**

A	PN20; PP-R Pipe 20mm	Lm	67		
B	PN20; PP-R Pipe 25mm	Lm	56		
C	PN20; PP-R Pipe 32mm	Lm	53		
D	32mm Gate valves	No.	1		
E	15mm angle valves	No.	2		
F	Flexible tubes (stainless steel braid on PVC) for connection of appliances, complete with all accessories.	No.	2		

**DRAINAGE**

**Drainage Pipework and Pipe fittings as described:**

H	uPVC 50mm dia. to PN6	Lm	25		
I	Floor trap complete with cover	No.	2		
I	uPVC 50mm dia. to PN6 bend	No.	2		
J	uPVC 50mm dia. Access cap	No.	2		
K	Excavate trench for Foul-water drainage pipe, not exceeding 110mm diameter and average 750mm deep, including filling in, compacting, grading bottoms and disposing off surplus excavated material from site.	Lm	14		
L	Supply, assemble and lay PN6 110mm diameter uPVC drain pipes, bends, fittings and all accessories, jointed in foundation trench; average depth 450mm to falls including all associated builders' work.	Lm	14		

**Gulley traps:**

M	Internal size 230x230mm <b>gully trap</b> , complete with concrete cover, 100mm outlet including bedding and surrounding with 150mm plain concrete (1:3:6) benching and joining to uPVC drain pipe and all necessary excavations, disposal and formwork.	No.	1		
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**Manhole:**

A	Construct manhole internal size 600x450x750mm average deep in 230mm thick well burnt clay brickwork, on 100mm thick grade 15 plain concrete base, plastered and screeded with water-proof cement and sand (1:2) plaster, including forming straight and/or curved semi circular channels and having a medium duty cast iron manhole cover and frame, including all the necessary excavations, planking and strutting and disposal of surplus excavated materials.	No.	3		
B	Soakpit size 3m dia. x 3m deep filled with hardcore and covered with 1000 Gauge polythene and top made good to match surroundings.	No.	1		

**SANITARY APPLIANCES**

**Supply and install the following Sanitary fittings as described:**

**Sinks**

C	510x380x200mm deep laboratory sink as manufactured by M/s IDEAL STANDARDS in fire clay C/W 38mm strainer waste and necessary fittings and fitted with 1No. 15mm elbow operated tap in worktop.	No.	2		
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**WATER STORAGE & DISTRIBUTION**

D	Provide and install on top of frame 3,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
E	Provide and install a 3,000Ltrs tank stand with tank base in Class B galvanised steel pipes approx. 5000mm above existing ground level; weld on it an access ladder with 16 mm pipe rungs at 250mm centres on the side; paint.	No.	1		
F	Supply and install <b>MoneyMarker Max pedal pump from M/s Davis and Shirliff</b> with 32mm inlet and 25mm outlet.	No.	1		
G	Provide and install on top of concrete base 10,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
H	Construct a water tank base for the 10,000litre tank approximately 1000mm above ground.	No.	1		

**Excavations for pipework as described:**

<b>I</b>	Excavate trench not exceeding 1.5m deep and 450mm wide, for water supply pipe line, 25mm diameter, part return, fill and ram and remainder spread on site.	Lm	75		
<b>Pipework and Pipe fittings:</b>					
<b>J</b>	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 25mm internal dia</b> to BS 8074 or equivalent and to PN10; from the <b>pedal pump to the overhead tank</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	15		
<b>K</b>	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 32mm internal dia</b> to BS 8074 or equivalent and to PN10; from the <b>ground storage tank to the pedal pump</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	75		
<b>SUBTOTAL</b>					
<b>CONTINGENCY, if applicable - 1 to cover fluctuation in quantities of the Work Items</b>				%	
<b>VAT</b>				18%	
<b>GRAND TOTAL</b>					

**BILLS OF QUANTITIES FOR IMPROVEMENT OF THE MATERNITY WARD , AT RWEKUBO HEALTH CENTRE IV, IN ISINGIRO DISTRICT**

Item	Description	Units	Qty	Rate	Amount
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**WATER SUPPLY AND DRAINAGE PIPEWORK & FITTINGS, AND SANITARY APPLIANCES**

Tenderers must allow in their pipework prices for all couplings, connectors, joints etc. required in the running lengths of pipework and also where stated for fixing clips or holderbats plugged and screwed.

**WATER SUPPLY**

**Water Supply; Pipework and Pipe fittings as described:**

<b>A</b>	PN20; PP-R Pipe 20mm	Lm	57		
<b>B</b>	PN20; PP-R Pipe 25mm	Lm	38		
<b>C</b>	PN20; PP-R Pipe 32mm	Lm	30		
<b>D</b>	32mm Gate valves	No.	1		
<b>E</b>	15mm angle valves	No.	2		
<b>F</b>	Flexible tubes (stainless steel braid on PVC) for connection of appliances, complete with all accessories.	No.	2		

**DRAINAGE**

**Drainage Pipework and Pipe fittings as described:**

<b>H</b>	uPVC 50mm dia. to PN6	Lm	15		
<b>I</b>	Floor trap complete with cover	No.	2		
<b>J</b>	uPVC 50mm dia. to PN6 bend	No.	2		
<b>K</b>	uPVC 50mm dia. Access cap	No.	2		

**WATER STORAGE & DISTRIBUTION**

<b>B</b>	Provide and install on top of frame 3,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
<b>C</b>	Provide and install a 3,000Ltrs tank stand with tank base in Class B galvanised steel pipes approx. 5000mm above existing ground level; weld on it an access ladder with 16 mm pipe rungs at 250mm centres on the side; paint.	No.	1		
<b>D</b>	Supply and install <b>MoneyMarker Max pedal pump from M/s Davis and Shirliff</b> with 32mm inlet and 25mm outlet.	No.	1		
<b>E</b>	Provide and install on top of concrete base 10,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
<b>F</b>	Construct a water tank base for the 10,000litre tank approximately 1000mm above ground.	No.	1		

**Excavations for pipework as described:**

<b>G</b>	Excavate trench not exceeding 1.5m deep and 450mm wide, for water supply pipe line, 25mm diameter, part return, fill and ram and remainder spread on site.	Lm	150		
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**Pipework and Pipe fittings:**

<b>H</b>	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 25mm internal dia to BS 8074 or equivalent and to PN10; from the pedal pump to the overhead tank,</b> complete with water-tight joints and including all necessary fittings and accessories.	Lm	15		
<b>I</b>	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 32mm internal dia to BS 8074 or equivalent and to PN10; from the ground storage tank to the pedal pump,</b> complete with water-tight joints and including all necessary fittings and accessories.	Lm	150		

**SUBTOTAL**

**CONTINGENCY, if applicable**

**VAT**

**GRAND TOTAL**

%

18%

**BILLS OF QUANTITIES FOR IMPROVEMENT OF THE MATERNITY TO INCLUDE WATER, AT  
BUGONGI HEALTH CENTRE III, IN SHEEMA DISTRICT**

Item	Description	Units	Qty	Rate	Amount
<b>WATER STORAGE &amp; DISTRIBUTION</b>					
B	Provide and install on top of frame 3,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	0		
C	Provide and install a 3,000Ltrs tank stand with tank base in Class B galvanised steel pipes approx. 5000mm above existing ground level; weld on it an access ladder with 16 mm pipe rungs at 250mm centres on the side; paint.	No.	0		
D	Supply and install <b>MoneyMarker Max pedal pump from M/s Davis and Shirtliff</b> with 32mm inlet and 25mm outlet.	No.	0		
E	Provide and install on top of concrete base 10,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
F	Construct a water tank base for the 10,000litre tank approximately 1000mm above ground.	No.	1		
<b>Excavations for pipework as described:</b>					
G	Excavate trench not exceeding 1.5m deep and 450mm wide, for water supply pipe line, 25mm diameter, part return, fill and ram and remainder spread on site.	Lm	30		
<b>Pipework and Pipe fittings:</b>					
H	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 25mm internal dia</b> to BS 8074 or equivalent and to PN10; from the <b>pedal pump to the overhead tank</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	0		
I	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 32mm internal dia</b> to BS 8074 or equivalent and to PN10; from the exitings <b>metered stand-pipe to the Laoratory sinks</b> ; lay complete with water-tight joints and including all necessary fittings and accessories.	Lm	33		
<b>SUBTOTAL</b>					
<b>CONTINGENCY, if applicable</b>				%	
<b>VAT</b>				18%	
<b>GRAND TOTAL</b>					

**BILLS OF QUANTITIES FOR IMPROVEMENT OF THE MATERNITY TO INCLUDE WATER, AT  
KYEIBANGA HEALTH CENTRE II, IN SHEEMA DISTRICT**

Item	Description	Units	Qty	Rate	Amount
<b>DRAINAGE</b>					
<b>Drainage Pipework and Pipe fittings as described:</b>					
H	uPVC 50mm dia. to PN6	Lm	25		
I	Floor trap complete with cover	No.	2		
I	uPVC 50mm dia. to PN6 bend	No.	2		
J	uPVC 50mm dia. Access cap	No.	2		
K	Excavate trench for Foul-water drainage pipe, not exceeding 110mm diameter and average 750mm deep, including filling in, compacting, grading bottoms and disposing off surplus excavated material from site.	Lm	14		
L	Supply, assemble and lay PN6 110mm diameter uPVC drain pipes, bends, fittings and all accessories, jointed in foundation trench; average depth 450mm to falls including all associated builders' work.	Lm	14		
<b>Gulley traps:</b>					
M	Internal size 230x230mm <b>gulley trap</b> , complete with concrete cover, 100mm outlet including bedding and surrounding with 150mm plain concrete (1:3:6) benching and joining to uPVC drain pipe and all necessary excavations, disposal and formwork.	No.	1		
<b>Manhole:</b>					
A	Construct manhole internal size 600x450x750mm average deep in 230mm thick well burnt clay brickwork, on 100mm thick grade 15 plain concrete base, plastered and screeded with water-proof cement and sand (1:2) plaster, including forming straight and/or curved semi circular channels and having a medium duty cast iron manhole cover and frame, including all the necessary excavations, planking and strutting and disposal of surplus excavated materials.	No.	1		
B	Soakpit size 3m dia. x 3m deep filled with hardcore and covered with 1000 Gauge polythene and top made good to match surroundings.	No.	1		
<b>WATER STORAGE &amp; DISTRIBUTION</b>					
D	Provide and install on top of frame 3,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
E	Provide and install a 3,000Ltrs tank stand with tank base in Class B galvanised steel pipes approx. 5000mm above existing ground level; weld on it an access ladder with 16 mm pipe rungs at 250mm centres on the side; paint.	No.	1		
F	Supply and install <b>MoneyMarker Max pedal pump from M/s Davis and Shirliff</b> with 32mm inlet and 25mm outlet.	No.	1		
G	Provide and install on top of concrete base 10,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
H	Construct a water tank base for the 10,000litre tank approximately 1000mm above ground.	No.	1		
<b>Excavations for pipework as described:</b>					
I	Excavate trench not exceeding 1.5m deep and 450mm wide, for water supply pipe line, 25mm diameter, part return, fill and ram and remainder spread on site.	Lm	95		
<b>Pipework and Pipe fittings:</b>					
J	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 25mm internal dia to BS 8074 or equivalent and to PN10; from the pedal pump to the overhead tank</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	15		
K	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 32mm internal dia to BS 8074 or equivalent and to PN10; from the ground storage tank to the pedal pump</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	95		
<b>SUBTOTAL</b>					
<b>CONTINGENCY, if applicable</b>				%	
<b>VAT</b>				18%	
<b>GRAND TOTAL</b>					

**BILLS OF QUANTITIES FOR REMODELLING AND CONVERSION OF THE EXISTING LABORATORY TO A MODERN LABORATORY HUB, AT BUSHENYI HEALTH CENTRE IV, IN BUSHENYI DISTRICT**

Item	Description	Units	Qty	Rate	Amount
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**Bill No. 1: PRELIMINARIES AND GENERAL CONDITIONS**

A	Provide for mobilisation and demobilisation.	Item	1		
B	Progress schedule	Item	1		
C	Water and Electricity for the works	Item	1		
D	The Contractor shall allow for paying and obtaining all approvals including those of Local Authorities, City Council, <b>Occupation Permit</b> and all other legally demandable statutory fees, rates or taxes. No adjustment of the Contract Sum will be made in respect of such payments, unless expressly stated to the contrary in these Bills of Quantities.	Item	1		
<b>TOTAL BILL NO. 1</b>					

**Bill No. 2: DEMOLITION/ALTERATION WORKS**

A	Allow for the removal of the existing timber partitions and handover all salvaged material to the Client.	Item	1		
B	Carefully demolish the existing 230mm thick brickwall size 3000 x 3000mm, and cart away all debris from site.	Item	1		
C	Carefully demolish all existing concrete worktops and shelves in the working and dispensing areas, and cart away all debris from site	Item	1		
D	Allow for creating door opening size 900x2100mm high in 230mm thick wall, including finishing to the sides and jambs, and making good all disturbed works.	No.	1		
E	Carefully hack the existing floor approximately 170sq.m and cart away all debris from site	Item	1		
F	Carefully remove the existing softboard ceiling approximately 170sq.m and cart away all debris from site	Item	1		
G	Allow for the removal of the existing roof covering approx. 184sq.m and handover all salvaged material to the Client	Item	1		
<b>TOTAL BILL NO. 2</b>					

**Bill No. 3: BUILDING WORKS**

**Element No. 1: WALLING**

A	<b>Approved solid concrete blocks (compressive strength 3.5N/mm<sup>2</sup>) bedded in cement and sand (1:4) mortar as described</b> 150mm thick walling	Sm	45		
B	<b>Vibrated Reinforced Concrete Grade 25 in</b> Beams.	Cm	1		
C	<b>High tensile ribbed Reinforcement bars to BS 4449 as described</b> 8 - 12mm steel bars.	Kgs	192		
D	<b>Sawn form work</b> Sides and soffits of beam.	Sm	39		
E	<b>Hessian based bituminous felt damp-proof course bedded on and including 12mm thick cement and sand 1:3) bed with 150mm overlaps at joints to:</b> 150mm Ditto	Lm	15		

**Element No. 2: DOORS**

A	<b>Solid steel door as described</b> Supply and fix, Solid steel glazed door size 900 x 2400mm high fabricated in 50x50x3mm SHS framing with the lower pane 900x900mm fitted with 2mm thick plate on both sides and the upper 1200mm pane fitted with 6mm thick frosted glass complete with 300mm steel louvered vent, including a priming coat. ( <i>Fixed at Clinician, Phlebotomy, Washout &amp; Dispensing</i> )	No.	5		
B	<b>Ordinary veneer flush door as described</b> 44mm thick solid core flush door with Ordinary veneer plywood facing both sides size 839mm x 2068mm high overall.	No.	3		
C	<b>Approved wrot hardwood frames as described:</b> 50 x 150mm rebated hardwood door frame, plugged and screwed to Blockwork.	Lm	34		
D	<b>Covers beads in wrot Hardwood as described:</b> 45mm x 20mm Architraves/Quadrant beads	Lm	68		
E	<b>Supply, and fix the following Ironmongery:</b> 100mm high stainless pressed steel butt hinges.	Pairs	4.5		

**BILLS OF QUANTITIES FOR REMODELLING AND CONVERSION OF THE EXISTING LABORATORY TO A MODERN LABORATORY HUB, AT BUSHENYI HEALTH CENTRE IV, IN BUSHENYI DISTRICT**

F	"3-lever" Union mortice lock with pheonix handles complete with a set of keys and all accessories.	No.	3		
G	Briton 3000 series 'overhead' door closers ( <i>Automation &amp; blood bank</i> )	No.	2		
H	25mm rubber door stop plugged to wall or floor	No.	8		
I	<b>Prepare and apply three coats of gloss paint: on woodwork as described:</b>				
	Surfaces: timber doors	Sm	53		
J	Surfaces: over 200 but not exceeding 300mm girth	Lm	68		

**Element No. 3: WINDOWS**

A	<b>Supply and fix purpose-made standard section steel casement windows and frames complete with fasteners and stays, including building in Blockwalls and bedding in cement mortar (1:3)</b>				
	Size 1200 x 1200mm high.	No.	3		
B	<b>Glazing</b>				
	5mm Clear sheet glass and glazing to metal with putty in panes not exceeding 0.1 sq.m	Sm	5		
C	<b>Painting</b>				
	Prepare, prime and apply three coats of gloss oil paint on general surfaces of glazed steel casement windows and frames (measured flat both sides)	Sm	36		

**Element No. 4: FINISHINGS**

<b>Approved expanded metal lath ceiling as described</b>					
A	Plastered expanded metal lath ceiling comprising 22 gauge expanded metal lath fixed on and including 100mm x 50mm well seasoned and treated ceiling joists at 600mm centres in both directions and plastered with cement and sand (1:4) finished smooth for painting.	Sm	170		
B	Extra over for ceiling access trap door size 600mm x 600mm including framing	No.	1		
<b>Two coat lime plastering (1:2:9) as described to:</b>					
C	Internal wall surfaces.	Sm	90		
D	Ditto, but 19mm thick Cornice 200mm girth	Lm	120		
<b>POLISHED TERRAZZO : first coat of cement and sand (1:3) : second coat of coloured cement, sand and marble aggregates (1:2:5) : including 25 x 3mm plastic dividing strips at 1200mm centres : in</b>					
E	50mm Thick paving to floors.	Sm	170		
F	150 x 20mm Skirting ; bull nosed edge; coved junction	Lm	120		
<b>Painting as described:</b>					
G	Prepare and apply three coats of matt emulsion paint from approved manufacturers, to general surfaces of plastered ceiling.	Sm	170		
H	Ditto but cornice	Lm	120		
I	Prepare and apply three coats of weather-guard paint as manufactured by M/s Plascon or other approved equivalent to rendered wall surfaces.	Sm	176		
J	Prepare and apply three coats of <b>silk vinyl paint</b> on internal plastered walls surfaces.	Sm	446		

**ROOF WORKS**

K	<b>Roof Structure</b>				
	Allow for replacement of all the damaged timber of the roof structure	Item	1		
L	<b>Gauge 26 prepainted corrugated steel roof sheets as described:</b>				
	Roof covering fixed to timber-purlins (measured elsewhere) at 900 centres with and including roofing nails complete with caps and felt washers	Sm	184		

**Element No. 1: FITTINGS AND FIXTURES**

**RATES FOR ALL JOINERY WORKS MUST INCLUDE ALL ACCESSORIES AND FITTINGS; PAINTING AND DECORATIONS; IRONMONGERY; AS PER ARCHITECT'S DETAILED DRAWINGS; THE CONTRACTOR MUST STUDY THE DRAWINGS AND ENSURE THAT HIS PRICE INCLUDES ALL ITEMS REQUIRED ON THE FITTINGS:**

**GRANITE FINISHED WORKTOPS**

75mm thick concrete class 20 worktop reinforced with BRC A142 mesh and finished with **25mm thick white acid resistant granite paving**; 100mm thick concrete class 20 concrete benching reinforced with BRC A142 mesh and finished; 25mm thick blockboard partition walls; 25mm thick blockboard shelving on 25 x 25 hardwood framing; 20mm thick painted plaster to soffits of worktop and support walls; **300mm high x 25mm thick white acid resistant granite splash back** ; 25mm thick blockboard shutters ; including all ironmongery, painting and decorations; all to Architect's detailed drawing

A	Working Area; Overall size 7100mm long x 600mm wide x 900mm high in L-shape to Architect's detail drawing	No.	1		
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**BILLS OF QUANTITIES FOR REMODELLING AND CONVERSION OF THE EXISTING LABORATORY TO A MODERN LABORATORY HUB, AT BUSHENYI HEALTH CENTRE IV, IN BUSHENYI DISTRICT**

<b>B</b>	Blood bank; Overall size 2800mm long x 600mm wide x 900mm high in L-shape to Architect's detail drawing	No.	1		
<b>C</b>	Automation; Overall size 2200mm long x 800mm wide x 900mm high in L-shape to Architect's detail drawing	No.	1		
<b>High level shelves and cabinet comprising of: 20mm thick blockboard shelves 25mm thick x 600mm high blockboard shutters; wrot hardwood bearers and fixing brackets; all iron mongery and accessories; painting and decorations; to architect's detailed drawing; in</b>					
<b>D</b>	Automation Room; Overall size 1500mm long x 450mm wide x 1200mm high.	No.	1		
<b>E</b>	Working Area; Overall size 1500mm long x 450mm wide x 1200mm high.	No.	1		
			<b>TOTAL BILL NO. 3</b>		

**Bill No. 4: MECHANICAL WORKS**

**WATER SUPPLY AND DRAINAGE PIPEWORK & FITTINGS, AND SANITARY APPLIANCES**

Tenderers must allow in their pipework prices for all couplings, connectors, joints etc. required in the running lengths of pipework and also where stated for fixing clips or holderbats plugged and screwed.

**WATER SUPPLY**

**Water Supply; Pipework and Pipe fittings as described:**

<b>A</b>	PN20; PP-R Pipe 20mm	Lm	80		
<b>B</b>	PN20; PP-R Pipe 25mm	Lm	52		
<b>C</b>	PN20; PP-R Pipe 32mm	Lm	40		
<b>D</b>	32mm Gate valves	No.	1		
<b>E</b>	15mm angle valves	No.	3		
<b>F</b>	Flexible tubes (stainless steel braid on PVC) for connection of appliances, complete with all accessories.	No.	3		

**DRAINAGE**

**Drainage Pipework and Pipe fittings as described:**

<b>G</b>	uPVC 50mm dia. to PN6	Lm	55		
<b>H</b>	Floor trap complete with cover	No.	2		
<b>I</b>	uPVC 50mm dia. to PN6 bend	No.	2		
<b>J</b>	uPVC 50mm dia. Access cap	No.	2		
<b>K</b>	Excavate trench for Foul-water drainage pipe, not exceeding 110mm diameter and average 750mm deep, including filling in, compacting, grading bottoms and disposing off surplus excavated material from site.	Lm	26		
<b>L</b>	Supply, assemble and lay PN6 110mm diameter uPVC drain pipes, bends, fittings and all accessories, jointed in foundation trench; average depth 450mm to falls including all associated builders' work.	Lm	26		
<b>M</b>	<b>Gulley traps:</b> Internal size 230x230mm <b>gulley trap</b> , complete with concrete cover, 100mm outlet including bedding and surrounding with 150mm plain concrete (1:3:6) benching and joining to uPVC drain pipe and all necessary excavations, disposal and formwork.	No.	2		

**Manhole:**

<b>A</b>	Construct manhole internal size 600x450x750mm average deep in 230mm thick well burnt clay brickwork, on 100mm thick grade 15 plain concrete base, plastered and screeded with water-proof cement and sand (1:2) plaster, including forming straight and/or curved semi circular channels and having a medium duty cast iron manhole cover and frame, including all the necessary excavations, planking and strutting and disposal of surplus excavated materials.	No.	2		
<b>B</b>	Soakpit size 3m dia. x 3m deep filled with hardcore and covered with 1000 Gauge polythene and top made good to match surroundings.	No.	1		
<b>C</b>	Allow for all the necessary building works associated with all the plumbing works	Item	1		

**SANITARY APPLIANCES & others**

**Supply and install the following Sanitary fittings as described:**

**Sinks**

<b>D</b>	510x380x200mm deep laboratory sink as manufactured by M/s IDEAL STANDARDS in fire clay C/W 38mm strainer waste and necessary fittings and fitted with 1No. 15mm elbow operated tap in worktop.	No.	4		
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**BILLS OF QUANTITIES FOR REMODELLING AND CONVERSION OF THE EXISTING LABORATORY TO A MODERN LABORATORY HUB, AT BUSHENYI HEALTH CENTRE IV, IN BUSHENYI DISTRICT**

<b>G</b>	Provide and install a 3,000Ltrs tank stand with tank base in Class B galvanised steel pipes approx. 5000mm above existing ground level; weld on it an access ladder with 16 mm pipe rungs at 250mm centers on the side; paint.	No.	1		
<b>H</b>	Provide and install on top of frame 3,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
<b>I</b>	Supply and fix notice boards with hardwood frames 1.2mx1.2m	No.	3		
<b>TOTAL BILL NO. 4</b>					

**Bill No. 5: EXTENSION WORKS**

**SUBSTRUCTURE**

**Excavations and Earthworks**

<b>A</b>	General site clearance and excavation to remove the unwanted soils, average 150mm deep and cart away debris from site.	Sm	78		
<b>B</b>	Excavate foundation trench, not exceeding 1.50m deep commencing from reduced levels.	Cm	17		
<b>C</b>	Imported murrum filling in making up levels, well rolled and compacted in layers not exceeding 200mm thick to approval.	Cm	32		
<b>D</b>	Return fill in and well ram selected excavated materials around plinth wall foundations.	Cm	11		
<b>E</b>	Remove surplus excavated materials from site.	Cm	6		
<b>F</b>	<b>Hardcore filling as described:</b> 200mm thick bed of imported clean broken stone hardcore, well spread, levelled and compacted in 150mm layers, blinded with and including 50mm thick layer of fine sand.	Sm	46		
<b>G</b>	<b>Anti-termite treatment:</b> Anti-termite insecticide treatment with "Aldrin 0.5%" or "Dildrex 18%" or other equivalent solution applied in accordance with the manufacturers' printed instructions to hardcore surfaces.	Sm	46		
<b>H</b>	<b>Water proof membrane:</b> 1000 Gauge polythene sheeting as damp-proof membrane, laid on hardcore surfaces, with 200mm minimum end and side laps.	Sm	46		
<b>I</b>	<b>Plain insitu concrete Grade 20 as described:</b> In strip foundation	Cm	4		
<b>J</b>	<b>Vibrated reinforced concrete Grade 25 as described:</b> 150mm thick ground floor slab laid and compacted to falls as directed, on damp proof membrane (measured elsewhere).	Sm	46		
<b>K</b>	<b>BRC fabric mesh as described:</b> Steel wire fabric mesh reinforcement to <b>BS 4483, Ref A142</b> and weighing 2.22kg/sq.m in concrete floor slab with minimum 300mm end and side laps.	Sm	46		
<b>L</b>	<b>Sawn formwork as described:</b> Vertical edges of floor slab, 75 -150mm girth.	Lm	30		

<b>A</b>	<b>Approved solid concrete blocks (3.5N/mm<sup>2</sup> Compressive strength) bedded in cement and sand (1:4) mortar as described</b> 230mm thick plinth walling	Sm	24		
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**STEELWORKS**

<b>B</b>	<b>Steel posts as described:</b> Supply and fix, 100mm dia x 3500mm high Class B galvanised steel post with and including embedding in 500x500x500mm Class 20 concrete foundation	No.	5		
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**ROOF WORKS**

**Roof Structure**

<b>C</b>	50 x 150mm treated softwood rafters.	Lm	45		
<b>D</b>	100 x 75mm treated softwood Wall plate.	Lm	25		
<b>E</b>	50 x 100mm treated softwood purlins.	Lm	65		
<b>Fascia and bargeboards:</b>					
<b>F</b>	Supply and fix, 20 x 225mm treated softwood fascia-boards, complete with splayed bottom edges, nailed to ends of timber framework.	Lm	35		
<b>G</b>	Knot, prime, stop, prepare and apply three coats of high gloss enamel paint from approved manufacturers, to the wooden surfaces 200 -300mm girth.	Lm	35		
<b>Gauge 26 prepainted corrugated steel roof sheets as described:</b>					

**BILLS OF QUANTITIES FOR REMODELLING AND CONVERSION OF THE EXISTING LABORATORY TO A MODERN LABORATORY HUB, AT BUSHENYI HEALTH CENTRE IV, IN BUSHENYI DISTRICT**

<b>H</b>	Roof covering fixed to timber-purlins (measured elsewhere) at 900 centres with and including roofing nails complete with caps and felt washers	Sm	62		
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**RAMP WORKS**

<b>I</b>	<b>Construction of the Ramp as described:</b> Construct a ramp approximately 12m long x 1.5m wide in a slope 1:10 comprising 150mm thick C25 Concrete reinforced with A142 BRC, on Gauge 1000 damp proof membrane on, 230mm thick side concrete blockwalls bedded in cement/sand 1:3 mortar and filled with approved murram filling, with and including rendering in cement/sand 1:4 to exposed surfaces and all the necessary formwork, backfilling and excavations.	Item	1		
<b>J</b>	<b>Balustrades:</b> Raking balustrade 900mm high overall to ramp comprising 25mm x 25mm x 1.5mm thick balusters at 150mm centres, welded to 50mm x 25mm x 1.5mm thick balusters at 1000mm centres cast in concrete steps and 50mm x 25mm x 1.5mm thick top, middle and bottom rails, to Architectural drawing detail	Lm	40		
<b>TOTAL BILL NO. 5</b>					

**Bill No. 6: ELECTRICAL WORKS**

<b>A</b>	Allow a provisional sum of Ug shs 10,000,000 (Ten million) for the associated electrical works for the proper functioning of the laboratory. <i>Note: The contractor shall first submit a quotation to the Project Manager for approval before executing any electrical works.</i>	Sum	1		
<b>TOTAL BILL NO. 6</b>					
<b>SUBTOTAL</b>					
<b>CONTINGENCY, if applicable</b>					%
<b>VAT</b>					18%
<b>GRAND TOTAL</b>					

**BILLS OF QUANTITIES FOR REMODELLING OF THE EXISTING LABORATORY AND IMPROVEMENT OF THE MATERNITY , AT KYAMUHUNGA HEALTH CENTRE III, IN BUSHENYI DISTRICT**

Item	Description	Units	Qty	Rate	Amount
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**WATER SUPPLY AND DRAINAGE PIPEWORK & FITTINGS, AND SANITARY APPLIANCES**

**Tenderers must allow in their pipework prices for all couplings, connectors, joints etc. required in the running lengths of pipework and also where stated for fixing clips or holderbats plugged and screwed.**

**WATER SUPPLY**

**Water Supply; Pipework and Pipe fittings as described:**

<b>A</b>	PN20; PP-R Pipe 20mm	Lm	23		
<b>B</b>	PN20; PP-R Pipe 25mm	Lm	18		
<b>C</b>	PN20; PP-R Pipe 32mm	Lm	30		
<b>D</b>	32mm Gate valves	No.	1		
<b>E</b>	15mm angle valves	No.	2		
<b>F</b>	Flexible tubes (stainless steel braid on PVC) for connection of appliances, complete with all accessories.	No.	2		
<b>G</b>	Excavate trench for Foul-water drainage pipe, not exceeding 110mm diameter and average 750mm deep, including filling in, compacting, grading bottoms and disposing off surplus excavated material from site.	Lm	18		
<b>H</b>	Supply, assemble and lay PN6 110mm diameter uPVC drain pipes, bends, fittings and all accessories, jointed in foundation trench; average depth 450mm to falls including all associated builders' work.	Lm	18		

**Gulley traps:**

<b>I</b>	Internal size 230x230mm <b>gully trap</b> , complete with concrete cover, 100mm outlet including bedding and surrounding with 150mm plain concrete (1:3:6) benching and joining to uPVC drain pipe and all necessary excavations, disposal and formwork.	No.	2		
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**Manhole:**

<b>J</b>	Construct manhole internal size 600x450x750mm average deep in 230mm thick well burnt clay brickwork, on 100mm thick grade 15 plain concrete base, plastered and screeded with water-proof cement and sand (1:2) plaster, including forming straight and/or curved semi circular channels and having a medium duty cast iron manhole cover and frame, including all the necessary excavations, planking and strutting and disposal of surplus excavated materials.	No.	1		
<b>K</b>	Soakpit size 3m dia. x 3m deep filled with hardcore and covered with 1000 Gauge polythene and top made good to match surroundings.	No.	1		

**WATER STORAGE & DISTRIBUTION**

<b>B</b>	Provide and install on top of frame 3,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary gutteraccessories.	No.	1	2,389,800	
<b>C</b>	Provide and install a 3,000Ltrs tank stand with tank base in Class B galvanised steel pipes approx. 5000mm above existing ground level; weld on it an access ladder with 16 mm pipe rungs at 250mm centres on the side; paint.	No.	1	1,575,000	
<b>D</b>	Supply and install <b>MoneyMarker Max pedal pump from M/s Davis and Shirliff</b> with 32mm inlet and 25mm outlet.	No.	1	305,000	
<b>E</b>	Provide and install on top of concrete base 10,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1	5,365,000	
<b>F</b>	Construct a water tank base for the 10,000litre tank approximately 1000mm above ground.	No.	1	1,350,000	

**Excavations for pipework as described:**

<b>G</b>	Excavate trench not exceeding 1.5m deep and 450mm wide, for water supply pipe line, 25mm diameter, part return, fill and ram and remainder spread on site.	Lm	45	5,000	
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**Pipework and Pipe fittings:**

<b>H</b>	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 25mm internal dia to BS 8074 or equivalent and to PN10; from the pedal pump to the overhead tank</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	18	9,560	
<b>I</b>	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 32mm internal dia to BS 8074 or equivalent and to PN10; from the ground storage tank to the pedal pump</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	18	12,560	

**BILLS OF QUANTITIES FOR REMODELLING OF THE EXISTING LABORATORY AND  
IMPROVEMENT OF THE MATERNITY , AT KYAMUHUNGA HEALTH CENTRE III, IN BUSHENYI  
DISTRICT**

<b>Item</b>	<b>Description</b>	<b>Units</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
<b>J</b>	Allow a provisional sum of Ug shs 500,000/= for gutter installation c/w down pipes and fixing accessories. <i>Note: The contractor shall first submit a quotation to the Project Manager for approval before executing any works.</i>	Sum	1	500,000	

<b>SUBTOTAL</b>					
<b>CONTINGENCY, if applicable</b>				%	
<b>VAT</b>				18%	
<b>GRAND TOTAL</b>					

**BILLS OF QUANTITIES FOR REMODELLING OF THE EXISTING LABORATORY AND IMPROVEMENT OF THE MATERNITY , AT KATERERA HEALTH CENTRE III, IN RUBIRIZI DISTRICT**

Item	Description	Units	Qty	Rate	Amount
<b>WATER SUPPLY AND DRAINAGE PIPEWORK &amp; FITTINGS, AND SANITARY APPLIANCES</b>					
Tenderers must allow in their pipework prices for all couplings, connectors, joints etc. required in the running lengths of pipework and also where stated for fixing clips or holderbats plugged and screwed.					
<b>WATER SUPPLY</b>					
<b>Water Supply; Pipework and Pipe fittings as described:</b>					
A	PN20; PP-R Pipe 20mm	Lm	68		
B	PN20; PP-R Pipe 25mm	Lm	57		
C	PN20; PP-R Pipe 32mm	Lm	45		
D	32mm Gate valves	No.	1		
E	15mm angle valves	No.	2		
F	Flexible tubes (stainless steel braid on PVC) for connection of appliances, complete with all accessories.	No.	2		
<b>DRAINAGE</b>					
<b>Drainage Pipework and Pipe fittings as described:</b>					
H	uPVC 50mm dia. to PN6	Lm	25		
I	Floor trap complete with cover	No.	2		
I	uPVC 50mm dia. to PN6 bend	No.	2		
J	uPVC 50mm dia. Access cap	No.	2		
K	Excavate trench for Foul-water drainage pipe, not exceeding 110mm diameter and average 750mm deep, including filling in, compacting, grading bottoms and disposing off surplus excavated material from site.	Lm	14		
L	Supply, assemble and lay PN6 110mm diameter uPVC drain pipes, bends, fittings and all accessories, jointed in foundation trench; average depth 450mm to falls including all associated builders' work.	Lm	14		
<b>Gulley traps:</b>					
M	Internal size 230x230mm <b>gulley trap</b> , complete with concrete cover, 100mm outlet including bedding and surrounding with 150mm plain concrete (1:3:6) benching and joining to uPVC drain pipe and all necessary excavations, disposal and formwork.	No.	1		
<b>Manhole:</b>					
A	Construct manhole internal size 600x450x750mm average deep in 230mm thick well burnt clay brickwork, on 100mm thick grade 15 plain concrete base, plastered and screeded with water-proof cement and sand (1:2) plaster, including forming straight and/or curved semi circular channels and having a medium duty cast iron manhole cover and frame, including all the necessary excavations, planking and strutting and disposal of surplus excavated materials.	No.	1		
B	Soakpit size 3m dia. x 3m deep filled with hardcore and covered with 1000 Gauge polythene and top made good to match surroundings.	No.	1		
<b>WATER STORAGE &amp; DISTRIBUTION</b>					
A	Provide and install on top of frame 3,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
B	Provide and install a 3,000Ltrs tank stand with tank base in Class B galvanised steel pipes approx. 5000mm above existing ground level; weld on it an access ladder with 16 mm pipe rungs at 250mm centres on the side; paint.	No.	1		
C	Supply and install <b>MoneyMarker Max pedal pump from M/s Davis and Shirliff</b> with 32mm inlet and 25mm outlet.	No.	1		
D	Provide and install on top of concrete base 10,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
E	Construct a water tank base for the 10,000litre tank approximately 1000mm above ground.	No.	1		
<b>Excavations for pipework as described:</b>					
F	Excavate trench not exceeding 1.5m deep and 450mm wide, for water supply pipe line, 25mm diameter, part return, fill and ram and remainder spread on site.	Lm	50		

<b>Pipework and Pipe fittings:</b>				
<b>G</b>	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 25mm internal dia</b> to BS 8074 or equivalent and to PN10; from the <b>pedal pump to the overhead tank</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	15	
<b>H</b>	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 32mm internal dia</b> to BS 8074 or equivalent and to PN10; from the <b>ground storage tank to the pedal pump</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	50	

<b>SUBTOTAL</b>				
<b>CONTINGENCY, if applicable</b>				%
<b>VAT</b>				18%
<b>GRAND TOTAL</b>				

**BILLS OF QUANTITIES FOR REMODELLING OF THE EXISTING LABORATORY AND IMPROVEMENT OF THE MATERNITY , AT RWESHAMA HEALTH CENTRE III, IN RUKUNGIRI DISTRICT**

Item	Description	Units	Qty	Rate	Amount
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**WATER SUPPLY AND DRAINAGE PIPEWORK & FITTINGS, AND SANITARY APPLIANCES**

**Tenderers must allow in their pipework prices for all couplings, connectors, joints etc. required in the running lengths of pipework and also where stated for fixing clips or holderbats plugged and screwed.**

**WATER SUPPLY**

**Water Supply; Pipework and Pipe fittings as described:**

<b>A</b>	PN20; PP-R Pipe 20mm	Lm	55		
<b>B</b>	PN20; PP-R Pipe 25mm	Lm	46		
<b>C</b>	PN20; PP-R Pipe 32mm	Lm	40		
<b>D</b>	32mm Gate valves	No.	1		
<b>E</b>	15mm angle valves	No.	2		
<b>F</b>	Flexible tubes (stainless steel braid on PVC) for connection of appliances, complete with all accessories.	No.	2		
<b>G</b>	Excavate trench for Foul-water drainage pipe, not exceeding 110mm diameter and average 750mm deep, including filling in, compacting, grading bottoms and disposing off surplus excavated material from site.	Lm	8		
<b>H</b>	Supply, assemble and lay PN6 110mm diameter uPVC drain pipes, bends, fittings and all accessories, jointed in foundation trench; average depth 450mm to falls including all associated builders' work.	Lm	8		

**Gulley traps:**

<b>I</b>	Internal size 230x230mm <b>gully trap</b> , complete with concrete cover, 100mm outlet including bedding and surrounding with 150mm plain concrete (1:3:6) benching and joining to uPVC drain pipe and all necessary excavations, disposal and formwork.	No.	1		
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**Manhole:**

<b>J</b>	Construct manhole internal size 600x450x750mm average deep in 230mm thick well burnt clay brickwork, on 100mm thick grade 15 plain concrete base, plastered and screeded with water-proof cement and sand (1:2) plaster, including forming straight and/or curved semi circular channels and having a medium duty cast iron manhole cover and frame, including all the necessary excavations, planking and strutting and disposal of surplus excavated materials.	No.	1		
<b>K</b>	Soakpit size 3m dia. x 3m deep filled with hardcore and covered with 1000 Gauge polythene and top made good to match surroundings.	No.	1		

**SANITARY APPLIANCES**

**Supply and install the following Sanitary fittings as described:**

<b>Sink</b>					
<b>B</b>	510x380x200mm deep laboratory sink as manufactured by <b>M/s IDEAL STANDARDS</b> in fire clay C/W 38mm strainer waste and necessary fittings and fitted with 1No. 15mm elbow operated tap and supported with brackets. ( <i>Delivery room</i> )	No.	1		

**SUBTOTAL**

<b>CONTINGENCY, if applicable</b>				%	
<b>VAT</b>				18%	
<b>GRAND TOTAL</b>					



**BILLS OF QUANTITIES FOR REMODELLING AND CONVERSION OF THE EXISTING LABORATORY TO A MODERN LABORATORY HUB, AT ITOJO HOSPITAL, IN NTUNGAMO DISTRICT**

Item	Description	Units	Qty	Rate	Amount
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**Bill No. 1: PRELIMINARIES AND GENERAL CONDITIONS**

A	Provide for mobilisation and demobilisation.	Item	1		
B	Progress schedule	Item	1		
C	Water and Electricity for the works	Item	1		
D	The Contractor shall allow for paying and obtaining all approvals including those of Local Authorities, City Council, <b>Occupation Permit</b> and all other legally demandable statutory fees, rates or taxes. No adjustment of the Contract Sum will be made in respect of such payments, unless expressly stated to the contrary in these Bills of Quantities.	Item	1		
<b>TOTAL BILL NO. 1</b>					

**Bill No. 2: DEMOLITION/ALTERATION WORKS**

A	Allow for the removal of the existing timber partitions in the working area and handover all salvaged material to the Client.	Item	1		
B	Carefully demolish all existing concrete worktops and shelves in the working and automation areas, and cart away all debris from site	Item	1		
C	Allow for creating a opening at the proposed dispensing location size 900x900mm high including finishing to all sides with cement/sand mortar 1:3 and making good all affected works.	Item	1		
D	Allow for grinding and polishing the existing terrazzo floor , including the skirting, all to the approval of the Project Manager.	Sm	50		
E	Allow for the removal of the existing timber shutters at the existing dispensing area, and handover all salvaged material to the Client.	Item	1		
F	Block the existing dispensing opening size 2000 x 1200mm, with 230mm thick blockwall bedded in cement/sand (1:3) mortar, with and including plastering to both sides and bonding to existing walls	Item	1		
G	Allow for the removal of the existing shutters at the existing injection room, and handover all salvaged material to the Client.	Item	1		
H	Block the existing dispensing opening size 1200 x 1200mm, with 230mm thick blockwall bedded in cement/sand (1:3) mortar, with and including plastering to both sides and bonding to existing walls	Item	1		
<b>TOTAL BILL NO. 2</b>					

**Bill No. 3: BUILDING WORKS**

**Element No. 1: WALLING**

A	<b>Approved solid concrete blocks (compressive strength 3.5N/mm<sup>2</sup>) bedded in cement and sand (1:4) mortar as described</b> 150mm thick walling	Sm	8		
B	<b>Hessian based bituminous felt damp-proof course bedded on and including 12mm thick cement and sand 1:3) bed with 150mm overlaps at joints to:</b> 150mm Ditto	Lm	3		

**Element No. 2: DOORS**

A	<b>Ordinary veneer flush door as described</b> 44mm thick solid core flush door with Ordinary veneer plywood facing both sides size 839mm x 2068mm high overall.	No.	3		
B	<b>Approved wrot hardwood frames as described:</b> 50 x 150mm rebated hardwood door frame, plugged and screwed to Blockwork.	Lm	20		
C	<b>Covers beads in wrot Hardwood as described:</b> 45mm x 20mm Architraves/Quadrant beads	Lm	40		
<b>Supply, and fix the following Ironmongery:</b>					
D	100mm high stainless pressed steel butt hinges.	Pairs	4.5		
E	"3-lever" Union mortice lock with pheonix handles complete with a set of keys and all accessories.	No.	3		
F	Briton 3000 series 'overhead' door closers	No.	2		
G	25mm rubber door stop plugged to wall or floor	No.	3		
<b>Prepare and apply three coats of gloss paint: on woodwork as described:</b>					
H	Surfaces: timber doors	Sm	38		
I	Surfaces: over 200 but not exceeding 300mm girth	Lm	40		

## BILLS OF QUANTITIES FOR REMODELLING AND CONVERSION OF THE EXISTING LABORATORY TO A MODERN LABORATORY HUB, AT ITOJO HOSPITAL, IN NTUNGAMO DISTRICT

### Element No. 3: WINDOWS

<b>Painting</b>					
A	Prepare, prime and apply three coats of gloss oil paint on general surfaces of glazed steel casement windows and frames (measured flat both sides)	Sm	24		

### Element No. 4: FINISHINGS

<b>Two coat lime plastering (1:2:9) as described to:</b>					
A	Internal wall surfaces.	Sm	18		
<b>Painting as described:</b>					
B	Prepare and apply three coats of matt emulsion paint from approved manufacturers, to general surfaces of plastered ceiling.	Sm	91		
C	Prepare and apply three coats of <b>silk vinyl paint</b> on internal plastered walls surfaces.	Sm	272		

### Element No. 1: FITTINGS AND FIXTURES

RATES FOR ALL JOINERY WORKS MUST INCLUDE ALL ACCESSORIES AND FITTINGS; PAINTING AND DECORATIONS; IRONMONGERY; AS PER ARCHITECT'S DETAILED DRAWINGS; THE CONTRACTOR MUST STUDY THE DRAWINGS AND ENSURE THAT HIS PRICE INCLUDES ALL ITEMS REQUIRED ON THE FITTINGS:

#### GRANITE FINISHED WORKTOPS

75mm thick concrete class 20 worktop reinforced with BRC A142 mesh and finished with **25mm thick white acid resistant granite paving**; 100mm thick concrete class 20 concrete benching reinforced with BRC A142 mesh and finished; 25mm thick blockboard partition walls; 25mm thick blockboard shelving on 25 x 25 hardwood framing; 20mm thick painted plaster to soffits of worktop and support walls; **300mm high x 25mm thick white acid resistant granite splash back** ; 25mm thick blockboard shutters ; including all ironmongery, painting and decorations; all to Architect's detailed drawing

A	Working Area; Overall size 6200mm long x 600mm wide x 900mm high in L-shape to Architect's detail drawing	No.	1		
B	Working Area; but overall size 3900mm long x 600mm wide x 900mm high	No.	2		
C	Working Area; but overall size 3200mm long x 600mm wide x 900mm high	No.	1		
D	Genet Room; Overall size 3000mm long x 600mm wide x 900mm high in L-shape to Architect's detail drawing	No.	1		
C	Automation Room; Overall size 3000mm long x 800mm wide x 900mm high to Architect's detail drawing	No.	1		
<b>High level shelves and cabinet comprising of: 20mm thick blockboard shelves 25mm thick x 600mm high blockboard shutters; wrot hardwood bearers and fixing brackets; all iron mongery and accessories; painting and decorations; to architect's detailed drawing; in</b>					
E	Automation Room; Overall size 1500mm long x 450mm wide x 1200mm high.	No.	2		
F	Working Area; Overall size 1500mm long x 450mm wide x 1200mm high.	No.	3		
F	Gene Expert; Overall size 1500mm long x 450mm wide x 1200mm high.	No.	2		
<b>TOTAL BILL NO. 3</b>					

### Bill No. 4: MECHANICAL WORKS

#### WATER SUPPLY AND DRAINAGE PIPEWORK & FITTINGS, AND SANITARY APPLIANCES

Tenderers must allow in their pipework prices for all couplings, connectors, joints etc. required in the running lengths of pipework and also where

#### WATER SUPPLY

##### Water Supply; Pipework and Pipe fittings as described:

A	PN20; PP-R Pipe 20mm	Lm	80		
B	PN20; PP-R Pipe 25mm	Lm	52		
C	PN20; PP-R Pipe 32mm	Lm	40		
D	32mm Gate valves	No.	1		
E	15mm angle valves	No.	6		
F	Flexible tubes (stainless steel braid on PVC) for connection of appliances, complete with all accessories.	No.	6		

#### DRAINAGE

##### Drainage Pipework and Pipe fittings as described:

H	uPVC 50mm dia. to PN6	Lm	55		
I	Floor trap complete with cover	No.	2		
J	uPVC 50mm dia. to PN6 bend	No.	2		
K	uPVC 50mm dia. Access cap	No.	2		
L	Allow for connecting the new water supply installtion to the existing	Item	1		

**BILLS OF QUANTITIES FOR REMODELLING AND CONVERSION OF THE EXISTING LABORATORY  
TO A MODERN LABORATORY HUB, AT ITOJO HOSPITAL, IN NTUNGAMO DISTRICT**

<b>M</b>	Allow for all the necessary building works associated with all the plumbing works	Item	1		
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**SANITARY APPLIANCES**

**Supply and install the following Sanitary fittings as described:**

**Sinks**

<b>A</b>	510x380x200mm deep laboratory sink as manufactured by <b>M/s IDEAL STANDARDS</b> in fire clay C/W 38mm strainer waste and necessary fittings and fitted with 1No. 15mm elbow operated tap in worktop.	No.	6		
<b>B</b>	Soakpit size 3m dia. x 3m deep filled with hardcore and covered with 1000 Gauge polythene and top made good to match surroundings.	No.	1		
<b>C</b>	Supply and fix notice boards with hardwood frames 1.2mx1.2m	No.	3		
<b>TOTAL BILL NO. 4</b>					

**Bill No. 5: ELECTRICAL WORKS**

<b>A</b>	Allow a provisional sum of Ug shs 10,000,000 (Ten million) for the associated electrical works for the proper functioning of the laboratory. <i>Note: The contractor shall first submit a quotation to the Project Manager for approval before executing any electrical works.</i>	Sum	1		
<b>TOTAL BILL NO. 5</b>					

**SUBTOTAL**

**CONTINGENCY, if applicable**

**VAT**

**GRAND TOTAL**

%	
18%	

**BILLS OF QUANTITIES FOR REMODELLING OF IMPROVEMENT OF MATERNITY TO INCLUDE WARER, AT KITONDO HEALTH CENTRE III, IN NTUNGAMO DISTRICT**

Item	Description	Units	Qty	Rate	Amount
<b>Tenderers must allow in their pipework prices for all couplings, connectors, joints etc. required in the running lengths of pipework and also where stated for fixing clips or holderbats plugged and screwed.</b>					
<b>WATER SUPPLY Maternity</b>					
<b>Water Supply; Pipework and Pipe fittings as described:</b>					
A	PN20; PP-R Pipe 20mm	Lm	67		
B	PN20; PP-R Pipe 25mm	Lm	37		
C	PN20; PP-R Pipe 32mm	Lm	32		
D	32mm Gate valves	No.	1		
E	15mm angle valves	No.	4		
F	Flexible tubes (stainless steel braid on PVC) for connection of appliances, complete with all accessories.	No.	4		
G	Excavate trench for Foul-water drainage pipe, not exceeding 110mm diameter and average 750mm deep, including filling in, compacting, grading bottoms and disposing off surplus excavated material from site.	Lm	8		
H	Supply, assemble and lay PN6 110mm diameter uPVC drain pipes, bends, fittings and all accessories, jointed in foundation trench; average depth 450mm to falls including all associated builders' work.	Lm	8		
<b>Gulley traps:</b>					
I	Internal size 230x230mm <b>gully trap</b> , complete with concrete cover, 100mm outlet including bedding and surrounding with 150mm plain concrete (1:3:6) benching and joining to uPVC drain pipe and all necessary excavations, disposal and formwork.	No.	2		
<b>Manhole:</b>					
J	Construct manhole internal size 600x450x750mm average deep in 230mm thick well burnt clay brickwork, on 100mm thick grade 15 plain concrete base, plastered and screeded with water-proof cement and sand (1:2) plaster, including forming straight and/or curved semi circular channels and having a medium duty cast iron manhole cover and frame, including all the necessary excavations, planking and strutting and disposal of surplus excavated materials.	No.	1		
K	Soakpit size 3m dia. x 3m deep filled with hardcore and covered with 1000 Gauge polythene and top made good to match surroundings.	No.	1		
<b>SANITARY APPLIANCES</b>					
<b>Supply and install the following Sanitary fittings as described:</b>					
<b>Sink</b>					
B	510x380x200mm deep laboratory sink as manufactured by <b>M/s IDEAL STANDARDS</b> in fire clay C/W 38mm strainer waste and necessary fittings and fitted with 1No. 15mm elbow operated tap and supported with brackets. ( <i>Delivery room</i> )	No.	1		
<b>WATER STORAGE &amp; DISTRIBUTION</b>					
E	Provide and install on top of frame 3,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
F	Provide and install a 3,000Ltrs tank stand with tank base in Class B galvanised steel pipes approx. 5000mm above existing ground level; weld on it an access ladder with 16 mm pipe rungs at 250mm centres on the side; paint.	No.	1		
G	Supply and install <b>MoneyMarker Max pedal pump from M/s Davis and Shirliff</b> with 32mm inlet and 25mm outlet.	No.	1		
H	Provide and install on top of concrete base 10,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
I	Construct a water tank base for the 10,000litre tank approximately 1000mm above ground.	No.	1		
<b>Excavations for pipework as described:</b>					
J	Excavate trench not exceeding 1.5m deep and 450mm wide, for water supply pipe line, 25mm diameter, part return, fill and ram and remainder spread on site.	Lm	35		
<b>Pipework and Pipe fittings:</b>					

**BILLS OF QUANTITIES FOR REMODELLING OF IMPROVEMENT OF MATERNITY TO INCLUDE WARER, AT KITONDO HEALTH CENTRE III, IN NTUNGAMO DISTRICT**

<b>Item</b>	<b>Description</b>	<b>Units</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
<b>K</b>	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 25mm internal dia</b> to BS 8074 or equivalent and to PN10; from the <b>pedal pump to the overhead tank</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	15		
<b>L</b>	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 32mm internal dia</b> to BS 8074 or equivalent and to PN10; from the <b>ground storage tank to the pedal pump</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	35		

<b>SUBTOTAL</b>					
<b>CONTINGENCY, if applicable</b>				%	
<b>VAT</b>				18%	
<b>GRAND TOTAL</b>					

**BILLS OF QUANTITIES FOR IMPROVEMENT OF THE MATERNITY WITH WATER , AT KAMWEZI HEALTH CENTRE IV, IN RUKIGA DISTRICT**

Item	Description	Units	Qty	Rate	Amount
<b>WATER SUPPLY AND DRAINAGE PIPEWORK &amp; FITTINGS, AND SANITARY APPLIANCES</b>					
Tenderers must allow in their pipework prices for all couplings, connectors, joints etc. required in the running lengths of pipework and also where stated for fixing clips or holderbats plugged and screwed.					
<b>WATER SUPPLY</b>					
<b>Water Supply; Pipework and Pipe fittings as described:</b>					
A	PN20; PP-R Pipe 20mm	Lm	55		
B	PN20; PP-R Pipe 25mm	Lm	45		
C	PN20; PP-R Pipe 32mm	Lm	32		
D	32mm Gate valves	No.	1		
E	15mm angle valves	No.	2		
F	Flexible tubes (stainless steel braid on PVC) for connection of appliances, complete with all accessories.	No.	2		
G	Excavate trench for Foul-water drainage pipe, not exceeding 110mm diameter and average 750mm deep, including filling in, compacting, grading bottoms and disposing off surplus excavated material from site.	Lm	10		
H	Supply, assemble and lay PN6 110mm diameter uPVC drain pipes, bends, fittings and all accessories, jointed in foundation trench; average depth 450mm to falls including all associated builders' work.	Lm	10		
<b>Gulley traps:</b>					
I	Internal size 230x230mm <b>gully trap</b> , complete with concrete cover, 100mm outlet including bedding and surrounding with 150mm plain concrete (1:3:6) benching and joining to uPVC drain pipe and all necessary excavations, disposal and formwork.	No.	2		
<b>Manhole:</b>					
J	Construct manhole internal size 600x450x750mm average deep in 230mm thick well burnt clay brickwork, on 100mm thick grade 15 plain concrete base, plastered and screeded with water-proof cement and sand (1:2) plaster, including forming straight and/or curved semi circular channels and having a medium duty cast iron manhole cover and frame, including all the necessary excavations, planking and strutting and disposal of surplus excavated materials.	No.	1		
K	Soakpit size 3m dia. x 3m deep filled with hardcore and covered with 1000 Gauge polythene and top made good to match surroundings.	No.	1		
<b>SANITARY APPLIANCES</b>					
<b>Supply and install the following Sanitary fittings as described:</b>					
A	510x380x200mm deep laboratory sink as manufactured by M/s IDEAL STANDARDS in fire clay C/W 38mm strainer waste and necessary fittings and fitted with 1No. 15mm elbow operated tap and supported with brackets. ( <i>Delivery room</i> )	No.	1		
<b>WATER STORAGE &amp; DISTRIBUTION</b>					
B	Provide and install on top of frame 3,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
C	Provide and install a 3,000Ltrs tank stand with tank base in Class B galvanised steel pipes approx. 5000mm above existing ground level; weld on it an access ladder with 16 mm pipe rungs at 250mm centres on the side; paint.	No.	1		
<b>Excavations for pipework as described:</b>					
F	Excavate trench not exceeding 1.5m deep and 450mm wide, for water supply pipe line, 25mm diameter, part return, fill and ram and remainder spread on site.	Lm	50		
<b>Pipework and Pipe fittings:</b>					
G	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 25mm internal dia</b> to BS 8074 or equivalent and to PN10; from the <b>pedal pump to the overhead tank</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	15		

<b>H</b>	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 32mm internal dia</b> to BS 8074 or equivalent and to PN10; from the <b>ground storage tank to the pedal pump</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	50		
<b>I</b>	Provide and install on top of concrete base 10,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
<b>J</b>	Construct a water tank base for the 10,000litre tank approximately 1000mm above ground.	No.	1		

<b>SUBTOTAL</b>					
<b>CONTINGENCY, if applicable</b>					%
<b>VAT</b>					18%
<b>GRAND TOTAL</b>					

**BILLS OF QUANTITIES FOR IMPROVEMENT OF THE MATERNITY TO INCLUDE WATER , AT  
NGOMA HEALTH CENTRE III, IN NTUNGAMO DISTRICT**

Item	Description	Units	Qty	Rate	Amount
<b>WATER SUPPLY PIPEWORK &amp; FITTINGS</b>					
Tenderers must allow in their pipework prices for all couplings, connectors, joints etc. required in the running lengths of pipework and also where stated for fixing clips or holderbats plugged and screwed.					
<b>Water Supply; Pipework and Pipe fittings as described:</b>					
B	PN20; PP-R Pipe 20mm	Lm	54		
C	PN20; PP-R Pipe 25mm	Lm	45		
D	PN20; PP-R Pipe 32mm	Lm	30		
E	32mm Gate valves	No.	1		

<b>WATER STORAGE &amp; DISTRIBUTION</b>					
F	Provide and install on top of frame 3,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
G	Provide and install a 3,000Ltrs tank stand with tank base in Class B galvanised steel pipes approx. 5000mm above existing ground level; weld on it an access ladder with 16 mm pipe rungs at 250mm centres on the side; paint.	No.	1		
H	Supply and install <b>MoneyMarker Max pedal pump from M/s Davis and Shirtliff</b> with 32mm inlet and 25mm outlet.	No.	1		
I	Provide and install on top of concrete base 10,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
J	Construct a water tank base for the 10,000litre tank approximately 1000mm above ground.	No.	1		

<b>Excavations for pipework as described:</b>					
K	Excavate trench not exceeding 1.5m deep and 450mm wide, for water supply pipe line, 25mm diameter, part return, fill and ram and remainder spread on site.	Lm	80		

<b>Pipework and Pipe fittings:</b>					
L	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 25mm internal dia</b> to BS 8074 or equivalent and to PN10; from the <b>pedal pump to the overhead tank</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	15		
M	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 32mm internal dia</b> to BS 8074 or equivalent and to PN10; from the <b>ground storage tank to the pedal pump</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	80		

<b>SUBTOTAL</b>					
<b>CONTINGENCY, if applicable</b>				%	
<b>VAT</b>				18%	
<b>GRAND TOTAL</b>					



**BILLS OF QUANTITIES FOR REMODELLING OF THE EXISTING LABORATORY AND IMPROVEMENT OF THE MATERNITY , AT KAYONZA GVT HEALTH CENTRE III, IN KANUNGU DISTRICT**

Item	Description	Units	Qty	Rate	Amount
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**WATER SUPPLY AND DRAINAGE PIPEWORK & FITTINGS, AND SANITARY APPLIANCES**

Tenderers must allow in their pipework prices for all couplings, connectors, joints etc. required in the running lengths of pipework and also where stated for fixing clips or holderbats plugged and screwed.

**WATER SUPPLY**

**Water Supply; Pipework and Pipe fittings as described:**

<b>A</b>	PN20; PP-R Pipe 20mm	Lm	43		
<b>B</b>	PN20; PP-R Pipe 25mm	Lm	37		
<b>C</b>	PN20; PP-R Pipe 32mm	Lm	32		
<b>D</b>	32mm Gate valves	No.	1		
<b>E</b>	15mm angle valves	No.	4		
<b>F</b>	Flexible tubes (stainless steel braid on PVC) for connection of appliances, complete with all accessories.	No.	4		
<b>G</b>	Excavate trench for Foul-water drainage pipe, not exceeding 110mm diameter and average 750mm deep, including filling in, compacting, grading bottoms and disposing off surplus excavated material from site.	Lm	8		
<b>H</b>	Supply, assemble and lay PN6 110mm diameter uPVC drain pipes, bends, fittings and all accessories, jointed in foundation trench; average depth 450mm to falls including all associated builders' work.	Lm	8		

**Gulley traps:**

<b>I</b>	Internal size 230x230mm <b>gully trap</b> , complete with concrete cover, 100mm outlet including bedding and surrounding with 150mm plain concrete (1:3:6) benching and joining to uPVC drain pipe and all necessary excavations, disposal and formwork.	No.	1		
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**Manhole:**

<b>J</b>	Construct manhole internal size 600x450x750mm average deep in 230mm thick well burnt clay brickwork, on 100mm thick grade 15 plain concrete base, plastered and screeded with water-proof cement and sand (1:2) plaster, including forming straight and/or curved semi circular channels and having a medium duty cast iron manhole cover and frame, including all the necessary excavations, planking and strutting and disposal of surplus excavated materials.	No.	1		
<b>K</b>	Soakpit size 3m dia. x 3m deep filled with hardcore and covered with 1000 Gauge polythene and top made good to match surroundings.	No.	1		

**SANITARY APPLIANCES**

**Supply and install the following Sanitary fittings as described:**

**Sink**

<b>A</b>	510x380x200mm deep laboratory sink as manufactured by M/s IDEAL STANDARDS in fire clay C/W 38mm strainer waste and necessary fittings and fitted with 1No. 15mm elbow operated tap and supported with brackets. ( <i>Delivery room</i> )	No.	1		
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**WATER STORAGE & DISTRIBUTION**

<b>B</b>	Provide and install on top of frame 3,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
<b>C</b>	Provide and install a 3,000Ltrs tank stand with tank base in Class B galvanised steel pipes approx. 5000mm above existing ground level; weld on it an access ladder with 16 mm pipe rungs at 250mm centres on the side; paint.	No.	1		
<b>D</b>	Supply and install <b>MoneyMarker Max pedal pump from M/s Davis and Shirliff</b> with 32mm inlet and 25mm outlet.	No.	1		
<b>E</b>	Provide and install on top of concrete base 10,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
<b>F</b>	Construct a water tank base for the 10,000litre tank approximately 1000mm above ground.	No.	1		

**Excavations for pipework as described:**

<b>G</b>	Excavate trench not exceeding 1.5m deep and 450mm wide, for water supply pipe line, 25mm diameter, part return, fill and ram and remainder spread on site.	Lm	95		
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**Pipework and Pipe fittings:**

<b>J</b>	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 25mm internal dia</b> to BS 8074 or equivalent and to PN10; from the <b>pedal pump to the overhead tank</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	15		
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<b>H</b>	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 32mm internal dia</b> to BS 8074 or equivalent and to PN10; from the <b>ground storage tank to the pedal pump</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	95		
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<b>SUBTOTAL</b>		
<b>CONTINGENCY, if applicable</b>		%
<b>VAT</b>		18%
<b>GRAND TOTAL</b>		

**BILLS OF QUANTITIES FOR REMODELLING OF THE EXISTING LABORATORY AND IMPROVEMENT OF THE MATERNITY , AT BWAMBARA HEALTH CENTRE III, IN RUKUNGIRI DISTRICT**

Item	Description	Units	Qty	Rate	Amount
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**WATER SUPPLY AND DRAINAGE PIPEWORK & FITTINGS, AND SANITARY APPLIANCES**

Tenderers must allow in their pipework prices for all couplings, connectors, joints etc. required in the running lengths of pipework and also where stated for fixing clips or holderbats plugged and screwed.

**WATER SUPPLY**

**Water Supply; Pipework and Pipe fittings as described:**

<b>A</b>	PN20; PP-R Pipe 20mm	Lm	43		
<b>B</b>	PN20; PP-R Pipe 25mm	Lm	37		
<b>C</b>	PN20; PP-R Pipe 32mm	Lm	32		
<b>D</b>	32mm Gate valves	No.	1		
<b>E</b>	15mm angle valves	No.	4		
<b>F</b>	Flexible tubes (stainless steel braid on PVC) for connection of appliances, complete with all accessories.	No.	4		
<b>G</b>	Excavate trench for Foul-water drainage pipe, not exceeding 110mm diameter and average 750mm deep, including filling in, compacting, grading bottoms and disposing off surplus excavated material from site.	Lm	8		
<b>H</b>	Supply, assemble and lay PN6 110mm diameter uPVC drain pipes, bends, fittings and all accessories, jointed in foundation trench; average depth 450mm to falls including all associated builders' work.	Lm	8		

**Gulley traps:**

<b>I</b>	Internal size 230x230mm <b>gully trap</b> , complete with concrete cover, 100mm outlet including bedding and surrounding with 150mm plain concrete (1:3:6) benching and joining to uPVC drain pipe and all necessary excavations, disposal and formwork.	No.	2		
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**Manhole:**

<b>J</b>	Construct manhole internal size 600x450x750mm average deep in 230mm thick well burnt clay brickwork, on 100mm thick grade 15 plain concrete base, plastered and screeded with water-proof cement and sand (1:2) plaster, including forming straight and/or curved semi circular channels and having a medium duty cast iron manhole cover and frame, including all the necessary excavations, planking and strutting and disposal of surplus excavated materials.	No.	2		
<b>K</b>	Soakpit size 3m dia. x 3m deep filled with hardcore and covered with 1000 Gauge polythene and top made good to match surroundings.	No.	1		

**Sink**

<b>B</b>	510x380x200mm deep laboratory sink as manufactured by <b>M/s IDEAL STANDARDS</b> in fire clay C/W 38mm strainer waste and necessary fittings and fitted with 1No. 15mm elbow operated tap and supported with brackets. ( <i>Delivery room</i> )	No.	1		
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**SUBTOTAL**

**CONTINGENCY, if applicable**

**VAT**

**GRAND TOTAL**

%

18%

**BILLS OF QUANTITIES FOR REMODELLING OF THE EXISTING LABORATORY AND IMPROVEMENT OF THE MATERNITY , AT RUHINDI HEALTH CENTRE III, IN RUKUNGIRI DISTRICT**

Item	Description	Units	Qty	Rate	Amount
<b>WATER SUPPLY - GENERAL</b>					
<b>Water Supply; Pipework and Pipe fittings as described:</b>					
A	PN20; PP-R Pipe 20mm	Lm	55		
B	PN20; PP-R Pipe 25mm	Lm	45		
C	PN20; PP-R Pipe 32mm	Lm	40		
D	32mm Gate valves	No.	1		
E	15mm angle valves	No.	2		
F	Flexible tubes (stainless steel braid on PVC) for connection of appliances, complete with all accessories.	No.	2		

<b>DRAINAGE</b>					
<b>Drainage Pipework and Pipe fittings as described:</b>					
H	uPVC 50mm dia. to PN6	Lm	25		
I	Floor trap complete with cover	No.	2		
I	uPVC 50mm dia. to PN6 bend	No.	2		
J	uPVC 50mm dia. Access cap	No.	2		
<b>Drainage system as described:</b>					
K	Excavate trench for Foul-water drainage pipe, not exceeding 110mm diameter and average 750mm deep, including filling in, compacting, grading bottoms and disposing off surplus excavated material from site.	Lm	8		
L	Supply, assemble and lay PN6 110mm diameter uPVC drain pipes, bends, fittings and all accessories, jointed in foundation trench; average depth 450mm to falls including all associated builders' work.	Lm	8		
<b>Gulley traps:</b>					
M	Internal size 230x230mm <b>gully trap</b> , complete with concrete cover, 100mm outlet including bedding and surrounding with 150mm plain concrete (1:3:6) benching and joining to uPVC drain pipe and all necessary excavations, disposal and formwork.	No.	2		
<b>Manhole:</b>					
A	Construct manhole internal size 600x450x750mm average deep in 230mm thick well burnt clay brickwork, on 100mm thick grade 15 plain concrete base, plastered and screeded with water-proof cement and sand (1:2) plaster, including forming straight and/or curved semi circular channels and having a medium duty cast iron manhole cover and frame, including all the necessary excavations, planking and strutting and disposal of surplus excavated materials.	No.	1		
B	Soakpit size 3m dia. x 3m deep filled with hardcore and covered with 1000 Gauge polythene and top made good to match surroundings.	No.	1		

<b>WATER SUPPLY - MATERNITY SECTION</b>					
<b>Water Supply; Pipework and Pipe fittings as described:</b>					
A	PN20; PP-R Pipe 20mm	Lm	55		
B	PN20; PP-R Pipe 25mm	Lm	46		
C	PN20; PP-R Pipe 32mm	Lm	40		
D	32mm Gate valves	No.	1		
E	15mm angle valves	No.	2		
F	Flexible tubes (stainless steel braid on PVC) for connection of appliances, complete with all accessories.	No.	2		
G	Excavate trench for Foul-water drainage pipe, not exceeding 110mm diameter and average 750mm deep, including filling in, compacting, grading bottoms and disposing off surplus excavated material from site.	Lm	8		
H	Supply, assemble and lay PN6 110mm diameter uPVC drain pipes, bends, fittings and all accessories, jointed in foundation trench; average depth 450mm to falls including all associated builders' work.	Lm	8		
<b>Gulley traps:</b>					
I	Internal size 230x230mm <b>gully trap</b> , complete with concrete cover, 100mm outlet including bedding and surrounding with 150mm plain concrete (1:3:6) benching and joining to uPVC drain pipe and all necessary excavations, disposal and formwork.	No.	1		
<b>Manhole:</b>					
J	Construct manhole internal size 600x450x750mm average deep in 230mm thick well burnt clay brickwork, on 100mm thick grade 15 plain concrete base, plastered and screeded with water-proof cement and sand (1:2) plaster, including forming straight and/or curved semi circular channels and having a medium duty cast iron manhole cover and frame, including all the necessary excavations, planking and strutting and disposal of surplus excavated materials.	No.	1		
K	Soakpit size 3m dia. x 3m deep filled with hardcore and covered with 1000 Gauge polythene and top made good to match surroundings.	No.	1		

<b>SANITARY APPLIANCES</b>					
<b>Supply and install the following Sanitary fittings as described:</b>					
<b>Shower</b>					
A	100mm diameter chrome plated shower rose, tap and pipe, and mixer tap, and all accessories ( <i>In Assisted shower</i> )	No.	1		
<b>Sink</b>					

**BILLS OF QUANTITIES FOR REMODELLING OF THE EXISTING LABORATORY AND IMPROVEMENT OF THE MATERNITY , AT RUHINDI HEALTH CENTRE III, IN RUKUNGIRI DISTRICT**

<b>Item</b>	<b>Description</b>	<b>Units</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
<b>B</b>	510x380x200mm deep laboratory sink as manufactured by <b>M/s IDEAL STANDARDS</b> in fire clay C/W 38mm strainer waste and necessary fittings and fitted with 1No. 15mm elbow operated tap and supported with brackets. ( <i>Delivery room</i> )	No.	1		

<b>SUBTOTAL</b>					
<b>CONTINGENCY, if applicable</b>					%
<b>VAT</b>					18%
<b>GRAND TOTAL</b>					

**BILLS OF QUANTITIES FOR IMPROVEMENT OF THE MATERNITY TO INCLUDE WATER , AT KEBISONI HEALTH CENTRE IV, IN RUKUNGIRI DISTRICT**

Item	Description	Units	Qty	Rate	Amount
<b>WATER SUPPLY AND DRAINAGE PIPEWORK &amp; FITTINGS, AND SANITARY APPLIANCES</b>					
Tenderers must allow in their pipework prices for all couplings, connectors, joints etc. required in the running lengths of pipework and also where stated for fixing clips or holderbats plugged and screwed.					
<b>WATER SUPPLY</b>					
<b>Water Supply; Pipework and Pipe fittings as described:</b>					
A	PN20; PP-R Pipe 20mm	Lm	65		
B	PN20; PP-R Pipe 25mm	Lm	56		
C	PN20; PP-R Pipe 32mm	Lm	40		
D	32mm Gate valves	No.	1		
E	15mm angle valves	No.	3		
F	Flexible tubes (stainless steel braid on PVC) for connection of appliances, complete with all accessories.	No.	3		
G	Excavate trench for Foul-water drainage pipe, not exceeding 110mm diameter and average 750mm deep, including filling in, compacting, grading bottoms and disposing off surplus excavated material from site.	Lm	8		
H	Supply, assemble and lay PN6 110mm diameter uPVC drain pipes, bends, fittings and all accessories, jointed in foundation trench; average depth 450mm to falls including all associated builders' work.	Lm	8		
<b>Gulley traps:</b>					
I	Internal size 230x230mm <b>gully trap</b> , complete with concrete cover, 100mm outlet including bedding and surrounding with 150mm plain concrete (1:3:6) benching and joining to uPVC drain pipe and all necessary excavations, disposal and formwork.	No.	1		
<b>Manhole:</b>					
J	Construct manhole internal size 600x450x750mm average deep in 230mm thick well burnt clay brickwork, on 100mm thick grade 15 plain concrete base, plastered and screeded with water-proof cement and sand (1:2) plaster, including forming straight and/or curved semi circular channels and having a medium duty cast iron manhole cover and frame, including all the necessary excavations, planking and strutting and disposal of surplus excavated materials.	No.	1		
K	Soakpit size 3m dia. x 3m deep filled with hardcore and covered with 1000 Gauge polythene and top made good to match surroundings.	No.	1		
<b>SANITARY APPLIANCES</b>					
<b>Supply and install the following Sanitary fittings as described:</b>					
<b>Sink</b>					
A	510x380x200mm deep laboratory sink as manufactured by M/s IDEAL STANDARDS in fire clay C/W 38mm strainer waste and necessary fittings and fitted with 1No. 15mm elbow operated tap and supported with brackets. (Delivery room)	No.	1		
<b>Sluice Sink</b>					
B	Supply and install 9litre cistern complete with all accessories and fixed at the required height above the Sluice sink.	No.	1		
C	Allow for the proper installation of the existing wash hand basin in the assisted including fixing of the missing accessories.	No.	1		
D	Allow for supplying and installing all the missing accessories on the existing WC in the assisted shower for its proper functioning, all to approval.	No.	1		
<b>WATER STORAGE &amp; DISTRIBUTION</b>					
F	Provide and install on top of frame 3,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
G	Provide and install a 3,000Ltrs tank stand with tank base in Class B galvanised steel pipes approx. 5000mm above existing ground level; weld on it an access ladder with 16 mm pipe rungs at 250mm centres on the side; paint.	No.	1		
H	Supply and install MoneyMarker Max pedal pump from M/s Davis and Shirtliff with 32mm inlet and 25mm outlet.	No.	1		
I	Provide and install on top of concrete base 10,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
J	Construct a water tank base for the 10,000litre tank approximately 1000mm above ground.	No.	1		
<b>Excavations for pipework as described:</b>					
K	Excavate trench not exceeding 1.5m deep and 450mm wide, for water supply pipe line, 25mm diameter, part return, fill and ram and remainder spread on site.	Lm	50		
<b>Pipework and Pipe fittings:</b>					
K	Procure, deliver to site, connect and lay HDPE main water supply pipe, 25mm internal dia to BS 8074 or equivalent and to PN10; from the pedal pump to the overhead tank, complete with water-tight joints and including all necessary fittings and accessories.	Lm	15		
L	Procure, deliver to site, connect and lay HDPE main water supply pipe, 32mm internal dia to BS 8074 or equivalent and to PN10; from the ground storage tank to the pedal pump, complete with water-tight joints and including all necessary fittings and accessories.	Lm	50		
<b>SUBTOTAL</b>					
<b>CONTINGENCY, if applicable</b>					%
<b>VAT</b>					18%
<b>GRAND TOTAL</b>					

**BILLS OF QUANTITIES FOR REMODELLING OF THE EXISTING LABORATORY AND IMPROVEMENT OF THE MATERNITY , AT KIRIMA HEALTH CENTRE III, IN KANUNGU DISTRICT**

Item	Description	Units	Qty	Rate	Amount
<b>WATER SUPPLY AND DRAINAGE PIPEWORK &amp; FITTINGS, AND SANITARY APPLIANCES</b>					
Tenderers must allow in their pipework prices for all couplings, connectors, joints etc. required in the running lengths of pipework and also where stated for fixing clips or holderbats plugged and screwed.					
<b>WATER SUPPLY</b>					
<b>Water Supply; Pipework and Pipe fittings as described:</b>					
A	PN20; PP-R Pipe 20mm	Lm	43		
B	PN20; PP-R Pipe 25mm	Lm	37		
C	PN20; PP-R Pipe 32mm	Lm	23		
D	32mm Gate valves	No.	1		
E	15mm angle valves	No.	2		
F	Flexible tubes (stainless steel braid on PVC) for connection of appliances, complete with all accessories.	No.	2		
G	Excavate trench for Foul-water drainage pipe, not exceeding 110mm diameter and average 750mm deep, including filling in, compacting, grading bottoms and disposing off surplus excavated material from site.	Lm	8		
H	Supply, assemble and lay PN6 110mm diameter uPVC drain pipes, bends, fittings and all accessories, jointed in foundation trench; average depth 450mm to falls including all associated builders' work.	Lm	8		
<b>Gulley traps:</b>					
I	Internal size 230x230mm <b>gully trap</b> , complete with concrete cover, 100mm outlet including bedding and surrounding with 150mm plain concrete (1:3:6) benching and joining to uPVC drain pipe and all necessary excavations, disposal and formwork.	No.	1		
<b>Manhole:</b>					
J	Construct manhole internal size 600x450x750mm average deep in 230mm thick well burnt clay brickwork, on 100mm thick grade 15 plain concrete base, plastered and screeded with water-proof cement and sand (1:2) plaster, including forming straight and/or curved semi circular channels and having a medium duty cast iron manhole cover and frame, including all the necessary excavations, planking and strutting and disposal of surplus excavated materials.	No.	1		
K	Soakpit size 3m dia. x 3m deep filled with hardcore and covered with 1000 Gauge polythene and top made good to match surroundings.	No.	1		
<b>SANITARY APPLIANCES</b>					
<b>Supply and install the following Sanitary fittings as described:</b>					
<b>Sink</b>					
A	510x380x200mm deep laboratory sink as manufactured by <b>M/s IDEAL STANDARDS</b> in fire clay C/W 38mm strainer waste and necessary fittings and fitted with 1No. 15mm elbow operated tap and supported with brackets. ( <i>Delivery room</i> )	No.	1		
<b>SUBTOTAL</b>					
<b>CONTINGENCY, if applicable</b>				%	
<b>VAT</b>				18%	
<b>GRAND TOTAL</b>					

**BILLS OF QUANTITIES FOR REMODELLING OF THE EXISTING LABORATORY AND IMPROVEMENT OF THE MATERNITY , AT KIHANGA HEALTH CENTRE III, IN RUKIGA DISTRICT**

Item	Description	Units	Qty	Rate	Amount
<b>WATER SUPPLY AND DRAINAGE PIPEWORK &amp; FITTINGS, AND SANITARY APPLIANCES</b>					
<b>Tenderers must allow in their pipework prices for all couplings, connectors, joints etc. required in the running lengths of pipework and also where stated for fixing clips or holderbats plugged and screwed.</b>					
<b>WATER SUPPLY</b>					
<b>Water Supply; Pipework and Pipe fittings as described:</b>					
A	PN20; PP-R Pipe 20mm	Lm	55		
B	PN20; PP-R Pipe 25mm	Lm	45		
C	PN20; PP-R Pipe 32mm	Lm	32		
D	32mm Gate valves	No.	1		
E	15mm angle valves	No.	2		
F	Flexible tubes (stainless steel braid on PVC) for connection of appliances, complete with all accessories.	No.	2		
G	Excavate trench for Foul-water drainage pipe, not exceeding 110mm diameter and average 750mm deep, including filling in, compacting, grading bottoms and disposing off surplus excavated material from site.	Lm	10		
H	Supply, assemble and lay PN6 110mm diameter uPVC drain pipes, bends, fittings and all accessories, jointed in foundation trench; average depth 450mm to falls including all associated builders' work.	Lm	10		
<b>Gulley traps:</b>					
I	Internal size 230x230mm <b>gully trap</b> , complete with concrete cover, 100mm outlet including bedding and surrounding with 150mm plain concrete (1:3:6) benching and joining to uPVC drain pipe and all necessary excavations, disposal and formwork.	No.	2		
<b>Manhole:</b>					
J	Construct manhole internal size 600x450x750mm average deep in 230mm thick well burnt clay brickwork, on 100mm thick grade 15 plain concrete base, plastered and screeded with water-proof cement and sand (1:2) plaster, including forming straight and/or curved semi circular channels and having a medium duty cast iron manhole cover and frame, including all the necessary excavations, planking and strutting and disposal of surplus excavated materials.	No.	1		
K	Soakpit size 3m dia. x 3m deep filled with hardcore and covered with 1000 Gauge polythene and top made good to match surroundings.	No.	1		
<b>SANITARY APPLIANCES</b>					
<b>Supply and install the following Sanitary fittings as described:</b>					
A	510x380x200mm deep laboratory sink as manufactured by M/s IDEAL STANDARDS in fire clay C/W 38mm strainer waste and necessary fittings and fitted with 1No. 15mm elbow operated tap and supported with brackets. ( <i>Delivery room</i> )	No.	1		
<b>WATER STORAGE &amp; DISTRIBUTION</b>					
E	Provide and install on top of frame 3,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
F	Provide and install a 3,000Ltrs tank stand with tank base in Class B galvanised steel pipes approx. 5000mm above existing ground level; weld on it an access ladder with 16 mm pipe rungs at 250mm centres on the side; paint.	No.	1		
<b>Excavations for pipework as described:</b>					
G	Excavate trench not exceeding 1.5m deep and 450mm wide, for water supply pipe line, 25mm diameter, part return, fill and ram and remainder spread on site.	Lm	50		
<b>Pipework and Pipe fittings:</b>					
H	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 25mm internal dia to BS 8074 or equivalent and to PN10; from the pedal pump to the overhead tank</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	15		



<b>I</b>	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 32mm internal dia</b> to BS 8074 or equivalent and to PN10; from the <b>ground storage tank to the pedal pump</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	50		
<b>J</b>	Provide and install on top of concrete base 10,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
<b>K</b>	Construct a water tank base for the 10,000litre tank approximately 1000mm above ground.	No.	1		

<b>SUBTOTAL</b>					
<b>CONTINGENCY, if applicable</b>					%
<b>VAT</b>					18%
<b>GRAND TOTAL</b>					

**BILLS OF QUANTITIES FOR REMODELLING OF THE EXISTING LABORATORY AND IMPROVEMENT OF THE MATERNITY , AT BUKINDA HEALTH CENTRE III, IN RUKIGA DISTRICT**

Item	Description	Units	Qty	Rate	Amount
<b>WATER SUPPLY AND DRAINAGE PIPEWORK &amp; FITTINGS, AND SANITARY APPLIANCES</b>					
Tenderers must allow in their pipework prices for all couplings, connectors, joints etc. required in the running lengths of pipework and also where stated for fixing clips or holderbats plugged and screwed.					
<b>WATER SUPPLY</b>					
<b>Water Supply; Pipework and Pipe fittings as described:</b>					
A	PN20; PP-R Pipe 20mm	Lm	40		
B	PN20; PP-R Pipe 25mm	Lm	37		
C	PN20; PP-R Pipe 32mm	Lm	32		
D	32mm Gate valves	No.	1		
E	15mm angle valves	No.	2		
F	Flexible tubes (stainless steel braid on PVC) for connection of appliances, complete with all accessories.	No.	2		
G	Excavate trench for Foul-water drainage pipe, not exceeding 110mm diameter and average 750mm deep, including filling in, compacting, grading bottoms and disposing off surplus excavated material from site.	Lm	10		
H	Supply, assemble and lay PN6 110mm diameter uPVC drain pipes, bends, fittings and all accessories, jointed in foundation trench; average depth 450mm to falls including all associated builders' work.	Lm	10		
<b>Gulley traps:</b>					
I	Internal size 230x230mm <b>gully trap</b> , complete with concrete cover, 100mm outlet including bedding and surrounding with 150mm plain concrete (1:3:6) benching and joining to uPVC drain pipe and all necessary excavations, disposal and formwork.	No.	2		
<b>Manhole:</b>					
J	Construct manhole internal size 600x450x750mm average deep in 230mm thick well burnt clay brickwork, on 100mm thick grade 15 plain concrete base, plastered and screeded with water-proof cement and sand (1:2) plaster, including forming straight and/or curved semi circular channels and having a medium duty cast iron manhole cover and frame, including all the necessary excavations, planking and strutting and disposal of surplus excavated materials.	No.	1		
K	Soakpit size 3m dia. x 3m deep filled with hardcore and covered with 1000 Gauge polythene and top made good to match surroundings.	No.	1		
<b>WATER STORAGE &amp; DISTRIBUTION</b>					
A	Provide and install on top of frame 3,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
B	Provide and install a 3,000Ltrs tank stand with tank base in Class B galvanised steel pipes approx. 5000mm above existing ground level; weld on it an access ladder with 16 mm pipe rungs at 250mm centres on the side; paint.	No.	1		
C	Supply and install <b>MoneyMarker Max pedal pump from M/s Davis and Shirtliff</b> with 32mm inlet and 25mm outlet.	No.	1		
D	Provide and install on top of concrete base 10,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
E	Construct a water tank base for the 10,000litre tank approximately 1000mm above ground.	No.	1		
<b>Excavations for pipework as described:</b>					
F	Excavate trench not exceeding 1.5m deep and 450mm wide, for water supply pipe line, 25mm diameter, part return, fill and ram and remainder spread on site.	Lm	60		
<b>Pipework and Pipe fittings:</b>					
G	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 25mm internal dia</b> to BS 8074 or equivalent and to PN10; from the <b>pedal pump to the overhead tank</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	15		

<b>H</b>	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 32mm internal dia</b> to BS 8074 or equivalent and to PN10; from the <b>ground storage tank to the pedal pump</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	60		
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<b>SUBTOTAL</b>		
<b>CONTINGENCY, if applicable</b>		%
<b>VAT</b>		18%
<b>GRAND TOTAL</b>		

**BILLS OF QUANTITIES FOR REMODELLING OF THE EXISTING LABORATORY AND IMPROVEMENT OF THE MATERNITY , AT KYOGO HEALTH CENTRE III, IN RUKIGA DISTRICT**

Item	Description	Units	Qty	Rate	Amount
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**WATER SUPPLY AND DRAINAGE PIPEWORK & FITTINGS, AND SANITARY APPLIANCES**

**Tenderers must allow in their pipework prices for all couplings, connectors, joints etc. required in the running lengths of pipework and also where stated for fixing clips or holderbats plugged and screwed.**

**WATER SUPPLY**

**Water Supply; Pipework and Pipe fittings as described:**

<b>A</b>	PN20; PP-R Pipe 20mm	Lm	40		
<b>B</b>	PN20; PP-R Pipe 25mm	Lm	37		
<b>C</b>	PN20; PP-R Pipe 32mm	Lm	32		
<b>D</b>	32mm Gate valves	No.	1		
<b>E</b>	15mm angle valves	No.	2		
<b>F</b>	Flexible tubes (stainless steel braid on PVC) for connection of appliances, complete with all accessories.	No.	2		
<b>G</b>	Excavate trench for Foul-water drainage pipe, not exceeding 110mm diameter and average 750mm deep, including filling in, compacting, grading bottoms and disposing off surplus excavated material from site.	Lm	10		
<b>H</b>	Supply, assemble and lay PN6 110mm diameter uPVC drain pipes, bends, fittings and all accessories, jointed in foundation trench; average depth 450mm to falls including all associated builders' work.	Lm	10		

**Gulley traps:**

<b>I</b>	Internal size 230x230mm <b>gully trap</b> , complete with concrete cover, 100mm outlet including bedding and surrounding with 150mm plain concrete (1:3:6) benching and joining to uPVC drain pipe and all necessary excavations, disposal and formwork.	No.	2		
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**Manhole:**

<b>J</b>	Construct manhole internal size 600x450x750mm average deep in 230mm thick well burnt clay brickwork, on 100mm thick grade 15 plain concrete base, plastered and screeded with water-proof cement and sand (1:2) plaster, including forming straight and/or curved semi circular channels and having a medium duty cast iron manhole cover and frame, including all the necessary excavations, planking and strutting and disposal of surplus excavated materials.	No.	1		
<b>K</b>	Soakpit size 3m dia. x 3m deep filled with hardcore and covered with 1000 Gauge polythene and top made good to match surroundings.	No.	1		

**SANITARY APPLIANCES**

**Supply and install the following Sanitary fittings as described:**

<b>A</b>	510x380x200mm deep laboratory sink as manufactured by M/s <b>IDEAL STANDARDS</b> in fire clay C/W 38mm strainer waste and necessary fittings and fitted with 1No. 15mm elbow operated tap and supported with brackets. ( <i>Delivery room</i> )	No.	1		
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<b>SUBTOTAL</b>					
<b>CONTINGENCY, if applicable</b>					%
<b>VAT</b>					18%
<b>GRAND TOTAL</b>					

**BILLS OF QUANTITIES FOR AND IMPROVEMENT OF THE MATERNITY , AT RUBAYA HEALTH CENTRE IV, IN KABALE DISTRICT**

Item	Description	Units	Qty	Rate	Amount
<b>WATER SUPPLY AND DRAINAGE PIPEWORK &amp; FITTINGS, AND SANITARY APPLIANCES</b>					
Tenderers must allow in their pipework prices for all couplings, connectors, joints etc. required in the running lengths of pipework and also where stated for fixing clips or holderbats plugged and screwed.					
<b>WATER SUPPLY</b>					
<b>Water Supply; Pipework and Pipe fittings as described:</b>					
A	PN20; PP-R Pipe 20mm	Lm	43		
B	PN20; PP-R Pipe 25mm	Lm	37		
C	PN20; PP-R Pipe 32mm	Lm	32		
D	32mm Gate valves	No.	1		
E	15mm angle valves	No.	4		
F	Flexible tubes (stainless steel braid on PVC) for connection of appliances, complete with all accessories.	No.	4		
G	Excavate trench for Foul-water drainage pipe, not exceeding 110mm diameter and average 750mm deep, including filling in, compacting, grading bottoms and disposing off surplus excavated material from site.	Lm	8		
H	Supply, assemble and lay PN6 110mm diameter uPVC drain pipes, bends, fittings and all accessories, jointed in foundation trench; average depth 450mm to falls including all associated builders' work.	Lm	8		
<b>Gulley traps:</b>					
I	Internal size 230x230mm <b>gully trap</b> , complete with concrete cover, 100mm outlet including bedding and surrounding with 150mm plain concrete (1:3:6) benching and joining to uPVC drain pipe and all necessary excavations, disposal and formwork.	No.	1		
<b>Manhole:</b>					
J	Construct manhole internal size 600x450x750mm average deep in 230mm thick well burnt clay brickwork, on 100mm thick grade 15 plain concrete base, plastered and screeded with water-proof cement and sand (1:2) plaster, including forming straight and/or curved semi circular channels and having a medium duty cast iron manhole cover and frame, including all the necessary excavations, planking and strutting and disposal of surplus excavated materials.	No.	1		
K	Soakpit size 3m dia. x 3m deep filled with hardcore and covered with 1000 Gauge polythene and top made good to match surroundings.	No.	1		
<b>SANITARY APPLIANCES</b>					
<b>Supply and install the following Sanitary fittings as described:</b>					
<b>Sink</b>					
A	510x380x200mm deep laboratory sink as manufactured by M/s IDEAL STANDARDS in fire clay C/W 38mm strainer waste and necessary fittings and fitted with 1No. 15mm elbow operated tap and supported with brackets. (Delivery room)	No.	1		
<b>WATER STORAGE &amp; DISTRIBUTION</b>					
B	Provide and install on top of frame 5,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
C	Provide and install a 5,000Ltrs tank stand with tank base in Class B galvanised steel pipes approx. 5000mm above existing ground level; weld on it an access ladder with 16 mm pipe rungs at 250mm centres on the side; paint.	No.	1		
D	Supply and install <b>MoneyMarker Max pedal pump from M/s Davis and Shirliff</b> with 32mm inlet and 25mm outlet.	No.	1		
<b>Excavations for pipework as described:</b>					
E	Excavate trench not exceeding 1.5m deep and 450mm wide, for water supply pipe line, 25mm diameter, part return, fill and ram and remainder spread on site.	Lm	50		
<b>Pipework and Pipe fittings:</b>					
F	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 25mm internal dia</b> to BS 8074 or equivalent and to PN10; from the <b>pedal pump to the overhead tank</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	15		
G	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 32mm internal dia</b> to BS 8074 or equivalent and to PN10; from the <b>ground storage tank to the pedal pump</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	50		
<b>SUBTOTAL</b>					

<b>CONTINGENCY, if applicable</b>		%
<b>VAT</b>		18%
<b>GRAND TOTAL</b>		

**BILLS OF QUANTITIES FOR IMPROVEMENT OF THE MATERNITY WITH WATER , AT BUHARA HEALTH CENTRE III, IN KABALE DISTRICT**

Item	Description	Units	Qty	Rate	Amount
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**WATER SUPPLY AND DRAINAGE PIPEWORK & FITTINGS, AND SANITARY APPLIANCES**

Tenderers must allow in their pipework prices for all couplings, connectors, joints etc. required in the running lengths of pipework and also where stated for fixing clips or holderbats plugged and screwed.

**WATER SUPPLY**

**Water Supply; Pipework and Pipe fittings as described:**

<b>A</b>		Lm	43		
<b>B</b>	PN20; PP-R Pipe 25mm	Lm	37		
<b>C</b>	PN20; PP-R Pipe 32mm	Lm	32		
<b>D</b>	32mm Gate valves	No.	1		
<b>E</b>	15mm angle valves	No.	4		
<b>F</b>	Flexible tubes (stainless steel braid on PVC) for connection of appliances, complete with all accessories.	No.	4		

**WATER STORAGE & DISTRIBUTION**

<b>A</b>	Provide and install on top of concrete base 10,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories. <i>(Located at former Hospital)</i>	No.	1		
<b>B</b>	Construct a water tank base for the 10,000litre tank approximately 1000mm above ground.	No.	1		

**Excavations for pipework as described:**

<b>C</b>	Excavate trench not exceeding 1.5m deep and 450mm wide, for water supply pipe line, 25mm diameter, part return, fill and ram and remainder spread on site.	Lm	120		
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**Pipework and Pipe fittings:**

<b>D</b>	Procure, deliver to site, connect and lay <b>HDPE water distribution pipe, 25mm internal dia</b> to BS 8074 or equivalent and to PN10; from the <b>tank to maternity</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	120		
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**SUBTOTAL**

<b>CONTINGENCY, if applicable</b>				%	
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<b>VAT</b>				18%	
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<b>GRAND TOTAL</b>					
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**BILLS OF QUANTITIES FOR IMPROVEMENT OF THE MATERNITY , AT BUTANDA HEALTH CENTRE III, IN KABALE DISTRICT**

Item	Description	Units	Qty	Rate	Amount
<b>WATER STORAGE &amp; DISTRIBUTION</b>					
A	Provide and install on top of frame 3,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
B	Provide and install a 3,000Ltrs tank stand with tank base in Class B galvanised steel pipes approx. 5000mm above existing ground level; weld on it an access ladder with 16 mm pipe rungs at 250mm centres on the side; paint.	No.	1		
C	Supply and install <b>MoneyMarker Max pedal pump from M/s Davis and Shirtliff</b> with 32mm inlet and 25mm outlet.	No.	1		
D	Provide and install on top of concrete base 10,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
E	Construct a water tank base for the 10,000litre tank approximately 1000mm above ground.	No.	1		
<b>Excavations for pipework as described:</b>					
F	Excavate trench not exceeding 1.5m deep and 450mm wide, for water supply pipe line, 25mm diameter, part return, fill and ram and remainder spread on site.	Lm	50		
<b>Pipework and Pipe fittings:</b>					
G	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 25mm internal dia</b> to BS 8074 or equivalent and to PN10; from the <b>pedal pump to the overhead tank</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	15		
H	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 32mm internal dia</b> to BS 8074 or equivalent and to PN10; from the <b>ground storage tank to the pedal pump</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	50		
<b>SUBTOTAL</b>					
<b>CONTINGENCY, if applicable</b>					%
<b>VAT</b>					18%
<b>GRAND TOTAL</b>					



**BILLS OF QUANTITIES FOR REMODELLING OF THE EXISTING LABORATORY AND IMPROVEMENT OF THE MATERNITY , AT BWAMA HEALTH CENTRE III, IN KABALE DISTRICT**

Item	Description	Units	Qty	Rate	Amount
<b>WATER SUPPLY AND DRAINAGE PIPEWORK &amp; FITTINGS, AND SANITARY APPLIANCES.</b>					
Tenderers must allow in their pipework prices for all couplings, connectors, joints etc. required in the running lengths of pipework and also where stated for fixing clips or holderbats plugged and screwed.					
<b>WATER SUPPLY</b>					
<b>Water Supply; Pipework and Pipe fittings as described:</b>					
A	PN20; PP-R Pipe 20mm	Lm	33		
B	PN20; PP-R Pipe 25mm	Lm	27		
C	PN20; PP-R Pipe 32mm	Lm	29		
D	32mm Gate valves	No.	1		
E	15mm angle valves	No.	1		
F	Flexible tubes (stainless steel braid on PVC) for connection of appliances, complete with all accessories.	No.	1		
G	Excavate trench for Foul-water drainage pipe, not exceeding 110mm diameter and average 750mm deep, including filling in, compacting, grading bottoms and disposing off surplus excavated material from site.	Lm	15		
H	Supply, assemble and lay PN6 110mm diameter uPVC drain pipes, bends, fittings and all accessories, jointed in foundation trench; average depth 450mm to falls including all associated builders' work.	Lm	15		
<b>Gully traps:</b>					
I	Internal size 230x230mm <b>gully trap</b> , complete with concrete cover, 100mm outlet including bedding and surrounding with 150mm plain concrete (1:3:6) benching and joining to uPVC drain pipe and all necessary excavations, disposal and formwork.	No.	1		
<b>Manhole:</b>					
J	Construct manhole internal size 600x450x750mm average deep in 230mm thick well burnt clay brickwork, on 100mm thick grade 15 plain concrete base, plastered and screeded with water-proof cement and sand (1:2) plaster, including forming straight and/or curved semi circular channels and having a medium duty cast iron manhole cover and frame, including all the necessary excavations, planking and strutting and disposal of surplus excavated materials.	No.	1		
K	Soakpit size 3m dia. x 3m deep filled with hardcore and covered with 1000 Gauge polythene and top made good to match surroundings.	No.	1		
<b>SANITARY APPLIANCES</b>					
<b>Supply and install the following Sanitary fittings as described:</b>					
<b>Sinks</b>					
A	510x380x200mm deep laboratory sink as manufactured by M/s IDEAL STANDARDS in fire clay C/W 38mm strainer waste and necessary fittings and fitted with 1No. 15mm elbow operated tap in worktop.	No.	1		
<b>WATER STORAGE &amp; DISTRIBUTION</b>					
B	Provide and install on top of frame 3,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
C	Provide and install a 3,000Ltrs tank stand with tank base in Class B galvanised steel pipes approx. 5000mm above existing ground level; weld on it an access ladder with 16 mm pipe rungs at 250mm centres on the side; paint.	No.	1		
D	Supply and install <b>MoneyMarker Max pedal pump from M/s Davis and Shirliff</b> with 32mm inlet and 25mm outlet.	No.	1		
E	Provide and install on top of concrete base 10,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
F	Construct a water tank base for the 10,000litre tank approximately 1000mm above ground.	No.	1		
<b>Excavations for pipework as described:</b>					
G	Excavate trench not exceeding 1.5m deep and 450mm wide, for water supply pipe line, 25mm diameter, part return, fill and ram and remainder spread on site.	Lm	40		

<b>Pipework and Pipe fittings:</b>					
<b>H</b>	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 25mm internal dia</b> to BS 8074 or equivalent and to PN10; from the <b>pedal pump to the overhead tank</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	40		
<b>I</b>	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 32mm internal dia</b> to BS 8074 or equivalent and to PN10; from the <b>ground storage tank to the pedal pump</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	40		
<b>SUBTOTAL</b>					
<b>CONTINGENCY, if applicable</b>					%
<b>VAT</b>					18%
<b>GRAND TOTAL</b>					

**BILLS OF QUANTITIES FOR REMODELLING OF THE EXISTING LABORATORY AND IMPROVEMENT OF THE MATERNITY , AT KAKOMO HEALTH CENTRE III, IN KABALE DISTRICT**

Item	Description	Units	Qty	Rate	Amount
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**WATER SUPPLY AND DRAINAGE PIPEWORK & FITTINGS, AND SANITARY APPLIANCES**

Tenderers must allow in their pipework prices for all couplings, connectors, joints etc. required in the running lengths of pipework and also where stated for fixing clips or holderbats plugged and screwed.

**WATER SUPPLY**

**Water Supply; Pipework and Pipe fittings as described:**

A	PN20; PP-R Pipe 20mm	Lm	43		
B	PN20; PP-R Pipe 25mm	Lm	37		
C	PN20; PP-R Pipe 32mm	Lm	32		
D	32mm Gate valves	No.	1		
E	15mm angle valves	No.	4		
F	Flexible tubes (stainless steel braid on PVC) for connection of appliances, complete with all accessories.	No.	4		
G	Excavate trench for Foul-water drainage pipe, not exceeding 110mm diameter and average 750mm deep, including filling in, compacting, grading bottoms and disposing off surplus excavated material from site.	Lm	8		
H	Supply, assemble and lay PN6 110mm diameter uPVC drain pipes, bends, fittings and all accessories, jointed in foundation trench; average depth 450mm to falls including all associated builders' work.	Lm	8		

**Gulley traps:**

I	Internal size 230x230mm <b>gully trap</b> , complete with concrete cover, 100mm outlet including bedding and surrounding with 150mm plain concrete (1:3:6) benching and joining to uPVC drain pipe and all necessary excavations, disposal and formwork.	No.	1		
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**Manhole:**

J	Construct manhole internal size 600x450x750mm average deep in 230mm thick well burnt clay brickwork, on 100mm thick grade 15 plain concrete base, plastered and screeded with water-proof cement and sand (1:2) plaster, including forming straight and/or curved semi circular channels and having a medium duty cast iron manhole cover and frame, including all the necessary excavations, planking and strutting and disposal of surplus excavated materials.	No.	1		
K	Soakpit size 3m dia. x 3m deep filled with hardcore and covered with 1000 Gauge polythene and top made good to match surroundings.	No.	1		

**SANITARY APPLIANCES**

**Supply and install the following Sanitary fittings as described:**

**Sink**

A	510x380x200mm deep laboratory sink as manufactured by M/s IDEAL STANDARDS in fire clay C/W 38mm strainer waste and necessary fittings and fitted with 1No. 15mm elbow operated tap and supported with brackets. (Delivery room)	No.	1		
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**WATER STORAGE & DISTRIBUTION**

B	Provide and install on top of frame 5,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
C	Provide and install a 5,000Ltrs tank stand with tank base in Class B galvanised steel pipes approx. 5000mm above existing ground level; weld on it an access ladder with 16 mm pipe rungs at 250mm centres on the side; paint.	No.	1		
D	Supply and install MoneyMarker Max pedal pump from M/s Davis and Shirliff with 32mm inlet and 25mm outlet.	No.	1		

**Excavations for pipework as described:**

E	Excavate trench not exceeding 1.5m deep and 450mm wide, for water supply pipe line, 25mm diameter, part return, fill and ram and remainder spread on site.	Lm	50		
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**Pipework and Pipe fittings:**

F	Procure, deliver to site, connect and lay HDPE main water supply pipe, 25mm internal dia to BS 8074 or equivalent and to PN10; from the pedal pump to the overhead tank, complete with water-tight joints and including all necessary fittings and accessories.	Lm	15		
G	Procure, deliver to site, connect and lay HDPE main water supply pipe, 32mm internal dia to BS 8074 or equivalent and to PN10; from the ground storage tank to the pedal pump, complete with water-tight joints and including all necessary fittings and accessories.	Lm	50		

<b>SUBTOTAL</b>		
<b>CONTINGENCY, if applicable</b>		%
<b>VAT</b>		18%
<b>GRAND TOTAL</b>		

**BILLS OF QUANTITIES FOR REMODELLING OF IMPROVEMENT OF THE MATERNITY TO INCLUDE WATER, AT KAMUGANGUZI HEALTH CENTRE III, IN KABALE DISTRICT**

Item	Description	Units	Qty	Rate	Amount
<b>WATER STORAGE &amp; DISTRIBUTION</b>					
A	Provide and install on top of frame 3,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
B	Provide and install a 3,000Ltrs tank stand with tank base in Class B galvanised steel pipes approx. 5000mm above existing ground level; weld on it an access ladder with 16 mm pipe rungs at 250mm centres on the side; paint.	No.	1		
C	Supply and install <b>MoneyMarker Max pedal pump from M/s Davis and Shirtliff</b> with 32mm inlet and 25mm outlet.	No.	1		
<b>Excavations for pipework as described:</b>					
D	Excavate trench not exceeding 1.5m deep and 450mm wide, for water supply pipe line, 25mm diameter, part return, fill and ram and remainder spread on site.	Lm	50		
<b>Pipework and Pipe fittings:</b>					
E	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 25mm internal dia</b> to BS 8074 or equivalent and to PN10; from the <b>pedal pump to the overhead tank</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	15		
F	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 32mm internal dia</b> to BS 8074 or equivalent and to PN10; from the <b>ground storage tank to the pedal pump</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	50		
<b>SUBTOTAL</b>					
<b>CONTINGENCY, if applicable</b>					%
<b>VAT</b>					18%
<b>GRAND TOTAL</b>					

**BILLS OF QUANTITIES FOR IMPROVEMENT OF THE MATERNITY TO INCLUDE WATER, AT  
KYANAMIRA HEALTH CENTRE III, IN KABALE DISTRICT**

Item	Description	Units	Qty	Rate	Amount
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**WATER SUPPLY AND DRAINAGE PIPEWORK & FITTINGS, AND SANITARY APPLIANCES**

**Tenderers must allow in their pipework prices for all couplings, connectors, joints etc. required in the running lengths of pipework and also where stated for fixing clips or holderbats plugged and screwed.**

**WATER SUPPLY**

**Water Supply; Pipework and Pipe fittings as described:**

<b>A</b>	PN20; PP-R Pipe 20mm	Lm	43		
<b>B</b>	PN20; PP-R Pipe 25mm	Lm	37		
<b>C</b>	PN20; PP-R Pipe 32mm	Lm	32		
<b>D</b>	32mm Gate valves	No.	1		
<b>E</b>	15mm angle valves	No.	4		
<b>F</b>	Flexible tubes (stainless steel braid on PVC) for connection of appliances, complete with all accessories.	No.	4		
<b>G</b>	Excavate trench for Foul-water drainage pipe, not exceeding 110mm diameter and average 750mm deep, including filling in, compacting, grading bottoms and disposing off surplus excavated material from site.	Lm	8		
<b>H</b>	Supply, assemble and lay PN6 110mm diameter uPVC drain pipes, bends, fittings and all accessories, jointed in foundation trench; average depth 450mm to falls including all associated builders' work.	Lm	8		

**Gulley traps:**

<b>I</b>	Internal size 230x230mm <b>gully trap</b> , complete with concrete cover, 100mm outlet including bedding and surrounding with 150mm plain concrete (1:3:6) benching and joining to uPVC drain pipe and all necessary excavations, disposal and formwork.	No.	1		
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**Manhole:**

<b>J</b>	Construct manhole internal size 600x450x750mm average deep in 230mm thick well burnt clay brickwork, on 100mm thick grade 15 plain concrete base, plastered and screeded with water-proof cement and sand (1:2) plaster, including forming straight and/or curved semi circular channels and having a medium duty cast iron manhole cover and frame, including all the necessary excavations, planking and strutting and disposal of surplus excavated materials.	No.	1		
<b>K</b>	Soakpit size 3m dia. x 3m deep filled with hardcore and covered with 1000 Gauge polythene and top made good to match surroundings.	No.	1		

**SANITARY APPLIANCES**

**Supply and install the following Sanitary fittings as described:**

**Shower**

**Sink**

<b>B</b>	510x380x200mm deep laboratory sink as manufactured by M/s IDEAL STANDARDS in fire clay C/W 38mm strainer waste and necessary fittings and fitted with 1No. 15mm elbow operated tap and supported with brackets. ( <i>Delivery room</i> )	No.	1		
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**WATER STORAGE & DISTRIBUTION**

<b>D</b>	Provide and install on top of frame 5,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
<b>E</b>	Provide and install a 5,000Ltrs tank stand with tank base in Class B galvanised steel pipes approx. 5000mm above existing ground level; weld on it an access ladder with 16 mm pipe rungs at 250mm centres on the side; paint.	No.	1		
<b>F</b>	Supply and install <b>MoneyMarker Max pedal pump from M/s Davis and Shirliff</b> with 32mm inlet and 25mm outlet.	No.	1		

**Excavations for pipework as described:**

<b>G</b>	Excavate trench not exceeding 1.5m deep and 450mm wide, for water supply pipe line, 25mm diameter, part return, fill and ram and remainder spread on site.	Lm	50		
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**Pipework and Pipe fittings:**

<b>H</b>	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 25mm internal dia to BS 8074 or equivalent and to PN10; from the pedal pump to the overhead tank</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	15		
<b>I</b>	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 32mm internal dia to BS 8074 or equivalent and to PN10; from the ground storage tank to the pedal pump</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	50		

<b>SUBTOTAL</b>	
<b>CONTINGENCY, if applicable</b>	%
<b>VAT</b>	18%
<b>GRAND TOTAL</b>	

**BILLS OF QUANTITIES FOR IMPROVEMENT OF THE MATERNITY , AT MPUNGU HEALTH CENTRE  
III, IN KANUNGU DISTRICT**

Item	Description	Units	Qty	Rate	Amount
<b>WATER SUPPLY AND DRAINAGE PIPEWORK &amp; FITTINGS, AND SANITARY APPLIANCES</b>					
<b>Tenderers must allow in their pipework prices for all couplings, connectors, joints etc. required in the running lengths of pipework and also where stated for fixing clips or holderbats plugged and screwed.</b>					
<b>WATER SUPPLY</b>					
<b>Water Supply; Pipework and Pipe fittings as described:</b>					
A	PN20; PP-R Pipe 20mm	Lm	43	11,250	483,750
B	PN20; PP-R Pipe 25mm	Lm	37	14,750	545,750
C	PN20; PP-R Pipe 32mm	Lm	32	20,900	668,800
D	32mm Gate valves	No.	1	97,500	97,500
E	15mm angle valves	No.	4	12,000	48,000
F	Flexible tubes (stainless steel braid on PVC) for connection of appliances, complete with all accessories.	No.	4	8,000	32,000
G	Excavate trench for Foul-water drainage pipe, not exceeding 110mm diameter and average 750mm deep, including filling in, compacting, grading bottoms and disposing off surplus excavated material from site.	Lm	8	9,000	72,000
H	Supply, assemble and lay PN6 110mm diameter uPVC drain pipes, bends, fittings and all accessories, jointed in foundation trench; average depth 450mm to falls including all associated builders' work.	Lm	8	15,250	122,000
<b>Gulley traps:</b>					
I	Internal size 230x230mm <b>gully trap</b> , complete with concrete cover, 100mm outlet including bedding and surrounding with 150mm plain concrete (1:3:6) benching and joining to uPVC drain pipe and all necessary excavations, disposal and formwork.	No.	1	125,000	125,000
<b>Manhole:</b>					
J	Construct manhole internal size 600x450x750mm average deep in 230mm thick well burnt clay brickwork, on 100mm thick grade 15 plain concrete base, plastered and screeded with water-proof cement and sand (1:2) plaster, including forming straight and/or curved semi circular channels and having a medium duty cast iron manhole cover and frame, including all the necessary excavations, planking and strutting and disposal of surplus excavated materials.	No.	1	652,000	652,000
K	Soakpit size 3m dia. x 3m deep filled with hardcore and covered with 1000 Gauge polythene and top made good to match surroundings.	No.	1	1,120,400	1,120,400
<b>SANITARY APPLIANCES</b>					
<b>Supply and install the following Sanitary fittings as described:</b>					
<b>Sink</b>					
A	510x380x200mm deep laboratory sink as manufactured by M/s IDEAL STANDARDS in fire clay C/W 38mm strainer waste and necessary fittings and fitted with 1No. 15mm elbow operated tap and supported with brackets. ( <i>Delivery room</i> )	No.	1	1,853,000	1,853,000
<b>WATER STORAGE &amp; DISTRIBUTION</b>					
B	Provide and install on top of frame 3,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1	1,850,000	1,850,000
C	Provide and install a 3,000Ltrs tank stand with tank base in Class B galvanised steel pipes approx. 5000mm above existing ground level; weld on it an access ladder with 16 mm pipe rungs at 250mm centres on the side; paint.	No.	1	1,575,000	1,575,000
D	Supply and install <b>MoneyMarker Max pedal pump from M/s Davis and Shirtliff</b> with 32mm inlet and 25mm outlet.	No.	1	305,000	305,000
E	Provide and install on top of concrete base 10,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1	5,365,000	5,365,000
F	Construct a water tank base for the 10,000litre tank approximately 1000mm above ground.	No.	1	1,350,000	1,350,000
<b>Excavations for pipework as described:</b>					
G	Excavate trench not exceeding 1.5m deep and 450mm wide, for water supply pipe line, 25mm diameter, part return, fill and ram and remainder spread on site.	Lm	95	5,000	475,000
<b>Pipework and Pipe fittings:</b>					
J	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 25mm internal dia to BS 8074 or equivalent and to PN10; from the pedal pump to the overhead tank</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	15	9,560	143,400



<b>H</b>	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 32mm internal dia</b> to BS 8074 or equivalent and to PN10; from the <b>ground storage tank to the pedal pump</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	95	12,560	1,193,200
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<b>SUBTOTAL</b>					
<b>CONTINGENCY, if applicable</b>				%	
<b>VAT</b>				18%	
<b>GRAND TOTAL</b>					

**BILLS OF QUANTITIES FOR REMODELLING OF THE EXISTING LABORATORY AND IMPROVEMENT OF THE MATERNITY , AT KIRIMA HEALTH CENTRE III, IN KANUNGU DISTRICT**

Item	Description	Units	Qty	Rate	Amount
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**MECHANICAL WORKS**

**WATER SUPPLY AND DRAINAGE PIPEWORK & FITTINGS, AND SANITARY APPLIANCES**

**Tenderers must allow in their pipework prices for all couplings, connectors, joints etc. required in the**

**WATER SUPPLY**

**Water Supply; Pipework and Pipe fittings as described:**

<b>A</b>	PN20; PP-R Pipe 20mm	Lm	43		
<b>B</b>	PN20; PP-R Pipe 25mm	Lm	37		
<b>C</b>	PN20; PP-R Pipe 32mm	Lm	23		
<b>D</b>	32mm Gate valves	No.	1		
<b>E</b>	15mm angle valves	No.	2		
<b>F</b>	Flexible tubes (stainless steel braid on PVC) for connection of appliances, complete with all accessories.	No.	2		
<b>G</b>	Excavate trench for Foul-water drainage pipe, not exceeding 110mm diameter and average 750mm deep, including filling in, compacting, grading bottoms and disposing off surplus excavated material from site.	Lm	8		
<b>H</b>	Supply, assemble and lay PN6 110mm diameter uPVC drain pipes, bends, fittings and all accessories, jointed in foundation trench; average depth 450mm to falls including all associated builders' work.	Lm	8		

**Gulley traps:**

<b>I</b>	Internal size 230x230mm <b>gully trap</b> , complete with concrete cover, 100mm outlet including bedding and surrounding with 150mm plain concrete (1:3:6) benching and joining to uPVC drain pipe and all necessary excavations, disposal and formwork.	No.	1		
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**Manhole:**

<b>J</b>	Construct manhole internal size 600x450x750mm average deep in 230mm thick well burnt clay brickwork, on 100mm thick grade 15 plain concrete base, plastered and screeded with water-proof cement and sand (1:2) plaster, including forming straight and/or curved semi circular channels and having a medium duty cast iron manhole cover and frame, including all the necessary excavations, planking and strutting and disposal of surplus excavated materials.	No.	1		
<b>K</b>	Soakpit size 3m dia. x 3m deep filled with hardcore and covered with 1000 Gauge polythene and top made good to match surroundings.	No.	1		

**SANITARY APPLIANCES**

**Supply and install the following Sanitary fittings as described:**

<b>Sink</b>					
<b>A</b>	510x380x200mm deep laboratory sink as manufactured by <b>M/s IDEAL STANDARDS</b> in fire clay C/W 38mm strainer waste and necessary fittings and fitted with 1No. 15mm elbow operated tap and supported with brackets. ( <i>Delivery room</i> )	No.	1		

<b>SUBTOTAL</b>					
<b>CONTINGENCY, if applicable</b>				%	
<b>VAT</b>				18%	
<b>GRAND TOTAL</b>					

**BILLS OF QUANTITIES FOR REMODELLING OF THE EXISTING  
LABORATORY AND IMPROVEMENT OF THE MATERNITY , AT  
RUTENGA HEALTH CENTRE III, IN KANUNGU DISTRICT**

Item	Description	Units	Qty	Rate	Amount
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**MECHANICAL WORKS**

**WATER SUPPLY AND DRAINAGE PIPEWORK & FITTINGS, AND SANITARY APPLIANCES**

Tenderers must allow in their pipework prices for all couplings, connectors, joints etc. required in the running lengths of pipework and also where stated for fixing clips or holderbats plugged and screwed.

**WATER SUPPLY**

**Water Supply; Pipework and Pipe fittings as described:**

<b>A</b>	PN20; PP-R Pipe 20mm	Lm	43		
<b>B</b>	PN20; PP-R Pipe 25mm	Lm	37		
<b>C</b>	PN20; PP-R Pipe 32mm	Lm	32		
<b>D</b>	32mm Gate valves	No.	1		
<b>E</b>	15mm angle valves	No.	4		
<b>F</b>	Flexible tubes (stainless steel braid on PVC) for connection of appliances, complete with all accessories.	No.	4		
<b>G</b>	Excavate trench for Foul-water drainage pipe, not exceeding 110mm diameter and average 750mm deep, including filling in, compacting, grading bottoms and disposing off surplus excavated material from site.	Lm	8		
<b>H</b>	Supply, assemble and lay PN6 110mm diameter uPVC drain pipes, bends, fittings and all accessories, jointed in foundation trench; average depth 450mm to falls including all associated builders' work.	Lm	8		

**Gulley traps:**

<b>I</b>	Internal size 230x230mm <b>gully trap</b> , complete with concrete cover, 100mm outlet including bedding and surrounding with 150mm plain concrete (1:3:6) benching and joining to uPVC drain pipe and all necessary excavations, disposal and formwork.	No.	1		
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**Manhole:**

<b>J</b>	Construct manhole internal size 600x450x750mm average deep in 230mm thick well burnt clay brickwork, on 100mm thick grade 15 plain concrete base, plastered and screeded with water-proof cement and sand (1:2) plaster, including forming straight and/or curved semi circular channels and having a medium duty cast iron manhole cover and frame, including all the necessary excavations, planking and strutting and disposal of surplus excavated materials.	No.	1		
<b>K</b>	Soakpit size 3m dia. x 3m deep filled with hardcore and covered with 1000 Gauge polythene and top made good to match surroundings.	No.	1		

**SANITARY APPLIANCES**

<b>Supply and install the following Sanitary fittings as described:</b>					
<b>Sink</b>					
<b>A</b>	510x380x200mm deep laboratory sink as manufactured by <b>M/s IDEAL STANDARDS</b> in fire clay C/W 38mm strainer waste and necessary fittings and fitted with 1No. 15mm elbow operated tap and supported with brackets. ( <i>Delivery room</i> )	No.	1		

**WATER STORAGE & DISTRIBUTION**

<b>B</b>	Provide and install on top of frame 3,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
<b>C</b>	Provide and install a 3,000Ltrs tank stand with tank base in Class B galvanised steel pipes approx. 5000mm above existing ground level; weld on it an access ladder with 16 mm pipe rungs at 250mm centres on the side; paint.	No.	1		
<b>D</b>	Supply and install <b>MoneyMarker Max pedal pump from M/s Davis and Shirliff</b> with 32mm inlet and 25mm outlet.	No.	1		
<b>E</b>	Provide and install on top of concrete base 10,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
<b>F</b>	Construct a water tank base for the 10,000litre tank approximately 1000mm above ground.	No.	1		

**Excavations for pipework as described:**

<b>G</b>	Excavate trench not exceeding 1.5m deep and 450mm wide, for water supply pipe line, 25mm diameter, part return, fill and ram and remainder spread on site.	Lm	95		
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**Pipework and Pipe fittings:**

<b>H</b>	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 25mm internal</b> dia to BS 8074 or equivalent and to PN10; from the <b>pedal pump to the overhead tank</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	15		
<b>I</b>	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 32mm internal</b> dia to BS 8074 or equivalent and to PN10; from the <b>ground storage tank to the pedal pump</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	95		

<b>SUBTOTAL</b>				
<b>CONTINGENCY, if applicable</b>			%	
<b>VAT</b>			18%	
<b>GRAND TOTAL</b>				

**BILLS OF QUANTITIES FOR REMODELLING OF THE EXISTING LABORATORY AND IMPROVEMENT OF THE MATERNITY , AT MATANDA HEALTH CENTRE III, IN KANUNGU DISTRICT**

Item	Description	Units	Qty	Rate	Amount
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**WATER SUPPLY AND DRAINAGE PIPEWORK & FITTINGS, AND SANITARY APPLIANCES**

Tenderers must allow in their pipework prices for all couplings, connectors, joints etc. required in the running lengths of pipework and also where stated for fixing clips or holderbats plugged and screwed.

**WATER SUPPLY**

**Water Supply; Pipework and Pipe fittings as described:**

<b>A</b>	PN20; PP-R Pipe 20mm	Lm	43		
<b>B</b>	PN20; PP-R Pipe 25mm	Lm	37		
<b>C</b>	PN20; PP-R Pipe 32mm	Lm	23		
<b>D</b>	32mm Gate valves	No.	1		
<b>E</b>	15mm angle valves	No.	2		
<b>F</b>	Flexible tubes (stainless steel braid on PVC) for connection of appliances, complete with all accessories.	No.	2		
<b>G</b>	Excavate trench for Foul-water drainage pipe, not exceeding 110mm diameter and average 750mm deep, including filling in, compacting, grading bottoms and disposing off surplus excavated material from site.	Lm	8		
<b>H</b>	Supply, assemble and lay PN6 110mm diameter uPVC drain pipes, bends, fittings and all accessories, jointed in foundation trench; average depth 450mm to falls including all associated builders' work.	Lm	8		

**Gulley traps:**

<b>I</b>	Internal size 230x230mm <b>gully trap</b> , complete with concrete cover, 100mm outlet including bedding and surrounding with 150mm plain concrete (1:3:6) benching and joining to uPVC drain pipe and all necessary excavations, disposal and formwork.	No.	1		
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**Manhole:**

<b>J</b>	Construct manhole internal size 600x450x750mm average deep in 230mm thick well burnt clay brickwork, on 100mm thick grade 15 plain concrete base, plastered and screeded with water-proof cement and sand (1:2) plaster, including forming straight and/or curved semi circular channels and having a medium duty cast iron manhole cover and frame, including all the necessary excavations, planking and strutting and disposal of surplus excavated materials.	No.	1		
<b>K</b>	Soakpit size 3m dia. x 3m deep filled with hardcore and covered with 1000 Gauge polythene and top made good to match surroundings.	No.	1		

**SANITARY APPLIANCES**

**Supply and install the following Sanitary fittings as described:**

**Sink**

<b>B</b>	510x380x200mm deep laboratory sink as manufactured by <b>M/s IDEAL STANDARDS</b> in fire clay C/W 38mm strainer waste and necessary fittings and fitted with 1No. 15mm elbow operated tap and supported with brackets. ( <i>Delivery room</i> )	No.	1		
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**SUBTOTAL**

**CONTINGENCY, if applicable**

**VAT**

**GRAND TOTAL**

	%
	18%

**BILLS OF QUANTITIES FOR REMODELLING OF THE EXISTING  
LABORATORY AND IMPROVEMENT OF THE MATERNITY , AT KISORO  
HOSPITAL, IN KISORO DISTRICT**

Item	Description	Units	Qty	Rate	Amount
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**MECHANICAL WORKS**

**WATER SUPPLY AND DRAINAGE PIPEWORK & FITTINGS, AND SANITARY APPLIANCES**

Tenderers must allow in their pipework prices for all couplings, connectors, joints etc. required in the running lengths of pipework and also where stated for fixing clips or holderbats plugged and screwed.

**WATER SUPPLY**

**Water Supply; Pipework and Pipe fittings as described:**

<b>A</b>	PN20; PP-R Pipe 20mm	Lm	64		
<b>B</b>	PN20; PP-R Pipe 25mm	Lm	57		
<b>C</b>	PN20; PP-R Pipe 32mm	Lm	32		
<b>D</b>	32mm Gate valves	No.	1		
<b>E</b>	15mm angle valves	No.	3		
<b>F</b>	Flexible tubes (stainless steel braid on PVC) for connection of appliances, complete with all accessories.	No.	3		
<b>G</b>	Excavate trench for Foul-water drainage pipe, not exceeding 110mm diameter and average 750mm deep, including filling in, compacting, grading bottoms and disposing off surplus excavated material from site.	Lm	12		
<b>H</b>	Supply, assemble and lay PN6 110mm diameter uPVC drain pipes, bends, fittings and all accessories, jointed in foundation trench; average depth 450mm to falls including all associated builders' work.	Lm	12		

**Gulley traps:**

<b>I</b>	Internal size 230x230mm <b>gully trap</b> , complete with concrete cover, 100mm outlet including bedding and surrounding with 150mm plain concrete (1:3:6) benching and joining to uPVC drain pipe and all necessary excavations, disposal and formwork.	No.	2		
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**Manhole:**



<b>J</b>	Construct manhole internal size 600x450x750mm average deep in 230mm thick well burnt clay brickwork, on 100mm thick grade 15 plain concrete base, plastered and screeded with water-proof cement and sand (1:2) plaster, including forming straight and/or curved semi circular channels and having a medium duty cast iron manhole cover and frame, including all the necessary excavations, planking and strutting and disposal of surplus excavated materials.	No.	2		
<b>K</b>	Soakpit size 3m dia. x 3m deep filled with hardcore and covered with 1000 Gauge polythene and top made good to match surroundings.	No.	1		

### SANITARY APPLIANCES

**Supply and install the following Sanitary fittings as described:**

#### Sink

<b>A</b>	510x380x200mm deep laboratory sink as manufactured by M/s <b>IDEAL STANDARDS</b> in fire clay C/W 38mm strainer waste and necessary fittings and fitted with 1No. 15mm elbow operated tap and supported with brackets.	No.	2		
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### WATER STORAGE & DISTRIBUTION

<b>B</b>	Provide and install on top of frame 5,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
<b>C</b>	Provide and install a 5,000Ltrs tank stand with tank base in Class B galvanised steel pipes approx. 5000mm above existing ground level; weld on it an access ladder with 16 mm pipe rungs at 250mm centres on the side; paint.	No.	1		
<b>D</b>	Supply and install <b>Solar pump from M/s Davis and Shirliff</b> complete with all fittings and accessories for its proper functioning	No.	1		

#### Excavations for pipework as described:

<b>F</b>	Excavate trench not exceeding 1.5m deep and 450mm wide, for water supply pipe line, 25mm diameter, part return, fill and ram and remainder spread on site.	Lm	60		
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#### Pipework and Pipe fittings:

<b>G</b>	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 25mm internal dia</b> to BS 8074 or equivalent and to PN10; from the <b>pedal pump to the overhead tank</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	15		
<b>H</b>	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 32mm internal dia</b> to BS 8074 or equivalent and to PN10; from the <b>ground storage tank to the pedal pump</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	60		
<b>I</b>	Allow a provisional sum of Ug shs 5,000,000 (Five million) for the repair of the damaged sanitary appliances and pipework.	Sum	1		

<b>SUBTOTAL</b>		
<b>CONTINGENCY, if applicable</b>		%
<b>VAT</b>		18%
<b>GRAND TOTAL</b>		

**BILLS OF QUANTITIES FOR REMODELLING AND CONVERSION OF THE EXISTING LABORATORY TO A MODERN LABORATORY HUB, AT KAZO HEALTH CENTRE IV, IN KIRUHURA DISTRICT**

Item	Description	Units	Qty	Rate	Amount
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**Bill No. 1: PRELIMINARIES AND GENERAL CONDITIONS**

A	Provide for mobilisation and demobilisation.	Item	1		
B	Progress schedule	Item	1		
C	Water and Electricity for the works	Item	1		
D	The Contractor shall allow for paying and obtaining all approvals including those of Local Authorities, City Council, <b>Occupation Permit</b> and all other legally demandable statutory fees, rates or taxes. No adjustment of the Contract Sum will be made in respect of such payments, unless expressly stated to the contrary in these Bills of Quantities.	Item	1		
<b>TOTAL BILL NO. 1</b>					

**Bill No. 2: DEMOLITION/ALTERATION WORKS**

A	Allow for the removal of the existing timber partitions and handover all salvaged material to the Client.	Item	1		
B	Carefully demolish all existing concrete worktops and shelves in the working and dispensing areas, and cart away all debris from site	Item	1		
C	Carefully remove the existing softboard ceiling approximately 49sq.m and cart away all debris from site	Item	1		
D	Allow for fumigation of the entire building to exterminate bats, wasps and other vermins, all to the approval of the Project Manager.	Item	1		
E	Carefully hack the existing floor approximately 49sq.m and cart away all debris from site	Item	1		
F	Carefully remove the existing solid steel door at the entrance and take to store for reuse.	Item	1		
G	Block the door opening size 900 x 2100mm, with 230mm thick blockwall bedded in cement/sand (1:3) mortar, with and including plastering to both sides and bonding to existing walls	Item	1		
H	Allow for creating door opening size 900x2100mm high in 230mm thick wall, including finishing to the sides and jambs, and making good all disturbed works.	No.	1		
I	Take from store and fix solid steel door in the created door opening	No.	1		
<b>TOTAL BILL NO. 2</b>					

**Bill No. 3: BUILDING WORKS**

**Element No. 1: WALLING**

A	<b>Approved solid concrete blocks (compressive strength 3.5N/mm<sup>2</sup>) bedded in cement and sand (1:4) mortar as described</b> 150mm thick walling	Sm	27		
B	<b>Vibrated Reinforced Concrete Grade 25 in Beams.</b>	Cm	1		
C	<b>High tensile ribbed Reinforcement bars to BS 4449 as described</b> 8 - 12mm steel bars.	Kgs	192		
D	<b>Sawn form work</b> Sides and soffits of beam.	Sm	42		
E	<b>Hessian based bituminous felt damp-proof course bedded on and including 12mm thick cement and sand 1:3) bed with 150mm overlaps at joints to:</b> 150mm Ditto	Lm	9		

**Element No. 2: DOORS**

A	<b>Solid steel door as described</b> Supply and fix, Solid steel glazed door size 900 x 2400mm high fabricated in 50x50x3mm SHS framing with the lower pane 900x900mm fitted with 2mm thick plate on both sides and the upper 1200mm pane fitted with 6mm thick frosted glass complete with 300mm steel louvered vent, including a priming coat. ( <i>Fixed at Phlebotomy</i> )	No.	1		
B	<b>Ordinary veneer flush door as described</b> 44mm thick solid core flush door with Ordinary veneer plywood facing both sides size 839mm x 2068mm high overall.	No.	3		
C	<b>Approved wrot hardwood frames as described:</b> 50 x 150mm rebated hardwood door frame, plugged and screwed to Blockwork.	Lm	21		
D	<b>Covers beads in wrot Hardwood as described:</b> 45mm x 20mm Architraves/Quadrant beads	Lm	42		

**Supply, and fix the following Ironmongery:**

**BILLS OF QUANTITIES FOR REMODELLING AND CONVERSION OF THE EXISTING LABORATORY TO A MODERN LABORATORY HUB, AT KAZO HEALTH CENTRE IV, IN KIRUHURA DISTRICT**

E	100mm high stainless pressed steel butt hinges.	Pairs	4.5		
F	"3-lever" Union mortice lock with pheonix handles complete with a set of keys and all accessories.	No.	3		
G	Briton 3000 series 'overhead' door closers	No.	1		
H	25mm rubber door stop plugged to wall or floor	No.	5		
<b>Prepare and apply three coats of gloss paint: on woodwork as described:</b>					
I	Surfaces: timber doors	Sm	21		
J	Surfaces: over 200 but not exceeding 300mm girth	Lm	21		
K	Surfaces: steel doors	Sm	10		

<b>Element No. 3: WINDOWS</b>					
A	<b>Supply and fix purpose-made standard section steel casement windows and frames complete with fasteners and stays, including building in Blockwalls and bedding in cement mortar (1:3)</b> Size 1500 x 1200mm high.	No.	3		
B	<b>Glazing</b> 5mm Clear sheet glass and glazing to metal with putty in panes not exceeding 0.1 sq.m	Sm	6		
C	<b>Painting</b> Prepare, prime and apply three coats of gloss oil paint on general surfaces of glazed steel casement windows and frames (measured flat both sides)	Sm	24		

<b>Element No. 4: FINISHINGS</b>					
<b>Approved expanded metal lath ceiling as described</b>					
A	Plastered expanded metal lath ceiling comprising 22 gauge expanded metal lath fixed on and including 100mm x 50mm well seasoned and treated ceiling joists at 600mm centres in both directions and plastered with cement and sand (1:4) finished smooth for painting.	Sm	77		
B	Extra over for ceiling access trap door size 600mm x 600mm including framing	No.	1		
<b>Two coat lime plastering (1:2:9) as described to:</b>					
C	Internal wall surfaces.	Sm	55		
D	Ditto, but 19mm thick Cornice 200mm girth	Lm	180		
<b>POLISHED TERRAZZO : first coat of cement and sand (1:3) : second coat of coloured cement, sand and marble aggregates (1:2:5) : including 25 x 3mm plastic dividing strips at 1200mm centres : in</b>					
E	50mm Thick paving to floors.	Sm	85		
F	150 x 20mm Skirting ; bull nosed edge; coved junction	Lm	83		
<b>Painting as described:</b>					
G	Prepare and apply three coats of matt emulsion paint from approved manufacturers, to general surfaces of plastered ceiling.	Sm	65		
H	Ditto but cornice	Lm	180		
I	Prepare and apply three coats of weather-guard paint as manufactured by M/s Plascon or other approved equivalent to rendered wall surfaces.	Sm	112		
J	Prepare and apply three coats of <b>silk vinyl paint</b> on internal plastered walls surfaces.	Sm	271		

<b>Element No. 1: FITTINGS AND FIXTURES</b>					
<b>RATES FOR ALL JOINERY WORKS MUST INCLUDE ALL ACCESSORIES AND FITTINGS; PAINTING AND DECORATIONS; IRONMONGERY; AS PER ARCHITECT'S DETAILED DRAWINGS; THE CONTRACTOR MUST STUDY THE DRAWINGS AND ENSURE THAT HIS PRICE INCLUDES ALL ITEMS REQUIRED ON THE FITTINGS:</b>					
<b>GRANITE FINISHED WORKTOPS</b>					
75mm thick concrete class 20 worktop reinforced with BRC A142 mesh and finished with 25mm thick white acid resistant granite paving; 100mm thick concrete class 20 concrete benching reinforced with BRC A142 mesh and finished; 25mm thick blockboard partition walls; 25mm thick blockboard shelving on 25 x 25 hardwood framing; 20mm thick painted plaster to soffits of worktop and support walls; 300mm high x 25mm thick white acid resistant granite splash back ; 25mm thick blockboard shutters ; including all ironmongery, painting and decorations; all to Architect's detailed drawing					
A	Working Area; Overall size 6400mm long x 600mm wide x 900mm high in L-shape to Architect's detail drawing	No.	1		
B	Genet Room; Overall size 2400mm long x 600mm wide x 900mm high to Architect's detail drawing	No.	1		
C	Automation Room; Overall size 4000mm long x 800mm wide x 900mm high to Architect's detail drawing	No.	1		
<b>High level shelves and cabinet comprising of: 20mm thick blockboard shelves 25mm thick x 600mm high blockboard shutters; wrot hardwood bearers and fixing brackets; all iron mongery and accessories; painting and decorations; to architect's detailed drawing; in</b>					
D	Automation Room; Overall size 1500mm long x 450mm wide x 1200mm high.	No.	2		
E	Working Area; Overall size 1500mm long x 450mm wide x 1200mm high.	No.	2		

**BILLS OF QUANTITIES FOR REMODELLING AND CONVERSION OF THE EXISTING LABORATORY TO A MODERN LABORATORY HUB, AT KAZO HEALTH CENTRE IV, IN KIRUHURA DISTRICT**

F	Gene Expert; Overall size 1500mm long x 450mm wide x 1200mm high.	No.	1		
			<b>TOTAL BILL NO. 3</b>		

**Bill No. 4: MECHANICAL WORKS**

**WATER SUPPLY AND DRAINAGE PIPEWORK & FITTINGS, AND SANITARY APPLIANCES**

**Tenderers must allow in their pipework prices for all couplings, connectors, joints etc. required in the running lengths of pipework and also where stated for fixing clips or holderbats plugged and screwed.**

**WATER SUPPLY**

**Water Supply; Pipework and Pipe fittings as described:**

A	PN20; PP-R Pipe 20mm	Lm	80		
B	PN20; PP-R Pipe 25mm	Lm	52		
C	PN20; PP-R Pipe 32mm	Lm	40		
D	32mm Gate valves	No.	1		
E	15mm angle valves	No.	4		
F	Flexible tubes (stainless steel braid on PVC) for connection of appliances, complete with all accessories.	No.	4		

**DRAINAGE**

**Drainage Pipework and Pipe fittings as described:**

H	uPVC 50mm dia. to PN6	Lm	55		
I	Floor trap complete with cover	No.	2		
I	uPVC 50mm dia. to PN6 bend	No.	2		
J	uPVC 50mm dia. Access cap	No.	2		

**Drainage system as described:**

K	Excavate trench for Foul-water drainage pipe, not exceeding 110mm diameter and average 750mm deep, including filling in, compacting, grading bottoms and disposing off surplus excavated material from site.	Lm	26		
L	Supply, assemble and lay PN6 110mm diameter uPVC drain pipes, bends, fittings and all accessories, jointed in foundation trench; average depth 450mm to falls including all associated builders' work.	Lm	26		
M	<b>Gulley traps:</b> Internal size 230x230mm <b>gulley trap</b> , complete with concrete cover, 100mm outlet including bedding and surrounding with 150mm plain concrete (1:3:6) benching and joining to uPVC drain pipe and all necessary excavations, disposal and formwork.	No.	2		

**Manhole:**

A	Construct manhole internal size 600x450x750mm average deep in 230mm thick well burnt clay brickwork, on 100mm thick grade 15 plain concrete base, plastered and screeded with water-proof cement and sand (1:2) plaster, including forming straight and/or curved semi circular channels and having a medium duty cast iron manhole cover and frame, including all the necessary excavations, planking and strutting and disposal of surplus excavated materials.	No.	2		
B	Soakpit size 3m dia. x 3m deep filled with hardcore and covered with 1000 Gauge polythene and top made good to match surroundings.	No.	1		
C	Allow for all the necessary building works associated with all the plumbing works	Item	1		

**SANITARY APPLIANCES**

**Supply and install the following Sanitary fittings as described:**

**Sinks**

D	510x380x200mm deep laboratory sink as manufactured by <b>M/s IDEAL STANDARDS</b> in fire clay C/W 38mm strainer waste and necessary fittings and fitted with 1No. 15mm elbow operated tap in worktop.	No.	4		
E	Provide and install a 3,000Ltrs tank stand with tank base in Class B galvanised steel pipes approx. 5000mm above existing ground level; weld on it an access ladder with 16 mm pipe rungs at 250mm centers on the side; paint.	No.	1		
F	Provide and install on top of frame 3,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
G	Soak pit: excavate soak pit (2000mm dia x 2000mm deep) and dispose of; supply and place wall selected hardcore fill with maximum size 200mm; provide 500g DPM and reinstate surfaces and with all associated accessories.	Item	1		
H	Supply and fix notice boards with hardwood frames 1.2mx1.2m	No.	3		

**TOTAL BILL NO. 4**

**BILLS OF QUANTITIES FOR REMODELLING AND CONVERSION OF THE EXISTING LABORATORY TO A MODERN LABORATORY HUB, AT KAZO HEALTH CENTRE IV, IN KIRUHURA DISTRICT**

**Bill No. 5: EXTENSION WORKS**

**SUBSTRUCTURE**

**Excavations and Earthworks**

A	General site clearance and excavation to remove the unwanted soils, average 150mm deep and cart away debris from site.	Sm	39		
B	Excavate foundation trench, not exceeding 1.50m deep commencing from reduced levels.	Cm	21		
C	Imported murrum filling in making up levels, well rolled and compacted in layers not exceeding 200mm thick to approval.	Cm	9		
D	Return fill in and well ram selected excavated materials around plinth wall foundations.	Cm	11		
E	Remove surplus excavated materials from site.	Cm	10		
F	<b>Hardcore filling as described:</b> 200mm thick bed of imported clean broken stone hardcore, well spread, levelled and compacted in 150mm layers, blinded with and including 50mm thick layer of fine sand.	Sm	32		
G	<b>Anti-termite treatment:</b> Anti-termite insecticide treatment with "Aldrin 0.5%" or "Dildrex 18%" or other equivalent solution applied in accordance with the manufacturers' printed instructions to hardcore surfaces.	Sm	32		
H	<b>Water proof membrane:</b> 1000 Gauge polythene sheeting as damp-proof membrane, laid on hardcore surfaces, with 200mm minimum end and side laps.	Sm	32		
I	<b>Plain insitu concrete Grade 20 as described:</b> In strip foundation	Cm	3		
J	<b>Vibrated reinforced concrete Grade 25 as described:</b> 150mm thick ground floor slab laid and compacted to falls as directed, on damp proof membrane (measured elsewhere).	Sm	32		
K	<b>BRC fabric mesh as described:</b> Steel wire fabric mesh reinforcement to <b>BS 4483, Ref A142</b> and weighing 2.22kg/sq.m in concrete floor slab with minimum 300mm end and side laps.	Sm	32		
L	<b>Sawn formwork as described:</b> Vertical edges of floor slab, 75 -150mm girth.	Lm	16		

A	<b>Approved solid concrete blocks (3.5N/mm<sup>2</sup> Compressive strength) bedded in cement and sand (1:4) mortar as described</b> 230mm thick plinth walling	Sm	38		
B	<b>Hessian based bituminous felt damp-proof course bedded on and including 12mm thick cement and sand 1:3) bed with 150mm overlaps at joints to:</b> 230mm thick wall	Lm	16		
C	<b>Approved solid concrete blocks (3.5N/mm<sup>2</sup> Compressive strength) bedded in cement and sand (1:4) mortar as described</b> 230mm thick superstructure walling	Sm	48		

**STEELWORKS**

D	<b>Steel posts as described:</b> Supply and fix, 100mm dia x 3500mm high Class B galvanised steel post with and including embedding in 500x500x500mm Class 20 concrete foundation	No.	1		
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**ROOF WORKS**

**Roof Structure**

C	50 x 100mm treated softwood rafters.	Lm	70		
D	100 x 75mm treated softwood Wall plate.	Lm	20		
E	50 x 100mm treated softwood purlins.	Lm	54		
F	50 x 150mm treated softwood Tie-beams.	Lm	24		
G	50 x 100mm treated softwood Struts and Ties.	Lm	26		
<b>Fascia and bargeboards:</b>					
H	Supply and fix, 20 x 225mm treated softwood fascia-boards, complete with splayed bottom edges, nailed to ends of timber framework.	Lm	20		
I	Knot, prime, stop, prepare and apply three coats of high gloss enamel paint from approved manufacturers, to the wooden surfaces 200 -300mm girth.	Lm	20		
<b>Gauge 26 prepainted corrugated steel roof sheets as described:</b>					
J	Roof covering fixed to timber-purlins (measured elsewhere) at 900 centres with and including roofing nails complete with caps and felt washers	Sm	50		
K	Ridge capping.	Lm	6		

**BILLS OF QUANTITIES FOR REMODELLING AND CONVERSION OF THE EXISTING LABORATORY  
TO A MODERN LABORATORY HUB, AT KAZO HEALTH CENTRE IV, IN KIRUHURA DISTRICT**

A	<b>Clay vents bedded and jointed in cement and sand (1:3) mortar</b>				
	Vent fixed in the gable end: size 230 × 450mm, complete with timber framing fitted with mosquito guaze and coffee tray wire	No.	6		
					<b>TOTAL BILL NO. 5</b>

<b>Bill No. 6: ELECTRICAL WORKS</b>					
A	Allow a provisional sum of Ug shs 7,000,000 (Seven million) for the associated electrical works for the proper functioning of the laboratory. <i>Note: The contractor shall first submit a quotation to the Project Manager for approval before executing any electrical works.</i>				
		Sum	1		
					<b>TOTAL BILL NO. 6</b>

<b>SUBTOTAL</b>					
<b>CONTINGENCY, if applicable</b>					%
<b>VAT</b>					18%
<b>GRAND TOTAL</b>					

**BILLS OF QUANTITIES FOR IMPROVEMENT OF THE MATERNITY WITH WATER , AT KAZO HEALTH CENTRE IV, IN KIRUHURA DISTRICT**

Item	Description	Units	Qty	Rate	Amount
<b>WATER SUPPLY AND DRAINAGE PIPEWORK &amp; FITTINGS, AND SANITARY APPLIANCES</b>					
Tenderers must allow in their pipework prices for all couplings, connectors, joints etc. required in the running lengths of pipework and also where stated for fixing clips or holderbats plugged and screwed.					
<b>WATER SUPPLY</b>					
<b>Water Supply; Pipework and Pipe fittings as described:</b>					
A	PN20; PP-R Pipe 20mm	Lm	43		
B	PN20; PP-R Pipe 25mm	Lm	38		
C	PN20; PP-R Pipe 32mm	Lm	33		
D	32mm Gate valves	No.	2		
E	15mm angle valves	No.	3		
F	Flexible tubes (stainless steel braid on PVC) for connection of appliances, complete with all accessories.	No.	3		
G	Excavate trench for Foul-water drainage pipe, not exceeding 110mm diameter and average 750mm deep, including filling in, compacting, grading bottoms and disposing off surplus excavated material from site.	Lm	15		
H	Supply, assemble and lay PN6 110mm diameter uPVC drain pipes, bends, fittings and all accessories, jointed in foundation trench; average depth 450mm to falls including all associated builders' work.	Lm	15		
<b>Gulley traps:</b>					
I	Internal size 230x230mm <b>gully trap</b> , complete with concrete cover, 100mm outlet including bedding and surrounding with 150mm plain concrete (1:3:6) benching and joining to uPVC drain pipe and all necessary excavations, disposal and formwork.	No.	2		
<b>Manhole:</b>					
J	Construct manhole internal size 600x450x750mm average deep in 230mm thick well burnt clay brickwork, on 100mm thick grade 15 plain concrete base, plastered and screeded with water-proof cement and sand (1:2) plaster, including forming straight and/or curved semi circular channels and having a medium duty cast iron manhole cover and frame, including all the necessary excavations, planking and strutting and disposal of surplus excavated materials.	No.	1		
K	Soakpit size 3m dia. x 3m deep filled with hardcore and covered with 1000 Gauge polythene and top made good to match surroundings.	No.	1		
<b>WATER STORAGE &amp; DISTRIBUTION</b>					
E	Provide and install on top of frame 5,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
F	Provide and install a 5,000Ltrs tank stand with tank base in Class B galvanised steel pipes approx. 5000mm above existing ground level; weld on it an access ladder with 16 mm pipe rungs at 250mm centres on the side; paint.	No.	1		
G	Supply and install <b>MoneyMarker Max pedal pump from M/s Davis and Shirliff</b> with 32mm inlet and 25mm outlet.	No.	1		
H	Provide and install on top of concrete base 10,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
I	Construct a water tank base for the 10,000litre tank approximately 1000mm above ground.	No.	1		
<b>Excavations for pipework as described:</b>					
J	Excavate trench not exceeding 1.5m deep and 450mm wide, for water supply pipe line, 25mm diameter, part return, fill and ram and remainder spread on site.	Lm	43		
<b>Pipework and Pipe fittings:</b>					
K	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 25mm internal dia to BS 8074 or equivalent and to PN10; from the pedal pump to the overhead tank</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	12		
L	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 32mm internal dia to BS 8074 or equivalent and to PN10; from the ground storage tank to the pedal pump</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	43		
<b>SUBTOTAL</b>					
<b>CONTINGENCY, if applicable</b>					%
<b>VAT</b>					18%



<b>GRAND TOTAL</b>	
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**BILLS OF QUANTITIES FOR IMPROVEMENT OF THE MATERNITY WITH WATER , AT BUREMBA HEALTH CENTRE III, IN KIRUHURA DISTRICT**

Item	Description	Units	Qty	Rate	Amount
<b>WATER SUPPLY AND DRAINAGE PIPEWORK &amp; FITTINGS, AND SANITARY APPLIANCES</b>					
Tenderers must allow in their pipework prices for all couplings, connectors, joints etc. required in the running lengths of pipework and also where stated for fixing clips or holderbats plugged and screwed.					
<b>WATER SUPPLY</b>					
<b>Water Supply; Pipework and Pipe fittings as described:</b>					
A	PN20; PP-R Pipe 20mm	Lm	42		
B	PN20; PP-R Pipe 25mm	Lm	38		
C	PN20; PP-R Pipe 32mm	Lm	29		
D	32mm Gate valves	No.	2		
E	15mm angle valves	No.	2		
F	Flexible tubes (stainless steel braid on PVC) for connection of appliances, complete with all accessories.	No.	3		
G	Excavate trench for Foul-water drainage pipe, not exceeding 110mm diameter and average 750mm deep, including filling in, compacting, grading bottoms and disposing off surplus excavated material from site.	Lm	9		
H	Supply, assemble and lay PN6 110mm diameter uPVC drain pipes, bends, fittings and all accessories, jointed in foundation trench; average depth 450mm to falls including all associated builders' work.	Lm	9		
<b>Gulley traps:</b>					
I	Internal size 230x230mm <b>gully trap</b> , complete with concrete cover, 100mm outlet including bedding and surrounding with 150mm plain concrete (1:3:6) benching and joining to uPVC drain pipe and all necessary excavations, disposal and formwork.	No.	2		
<b>Manhole:</b>					
J	Construct manhole internal size 600x450x750mm average deep in 230mm thick well burnt clay brickwork, on 100mm thick grade 15 plain concrete base, plastered and screeded with water-proof cement and sand (1:2) plaster, including forming straight and/or curved semi circular channels and having a medium duty cast iron manhole cover and frame, including all the necessary excavations, planking and strutting and disposal of surplus excavated materials.	No.	1		
K	Soakpit size 3m dia. x 3m deep filled with hardcore and covered with 1000 Gauge polythene and top made good to match surroundings.	No.	1		
<b>SANITARY APPLIANCES</b>					
<b>Sink</b>					
A	510x380x200mm deep laboratory sink as manufactured by <b>M/s IDEAL STANDARDS</b> in fire clay C/W 38mm strainer waste and necessary fittings and fitted with 1No. 15mm elbow operated tap and supported with brackets.	No.	3		
<b>WATER STORAGE &amp; DISTRIBUTION</b>					
B	Provide and install on top of frame 5,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
C	Provide and install a 5,000Ltrs tank stand with tank base in Class B galvanised steel pipes approx. 5000mm above existing ground level; weld on it an access ladder with 16 mm pipe rungs at 250mm centres on the side; paint.	No.	1		
D	Supply and install <b>MoneyMarker Max pedal pump from M/s Davis and Shirliff</b> with 32mm inlet and 25mm outlet.	No.	1		
E	Provide and install on top of concrete base 10,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
F	Construct a water tank base for the 10,000litre tank approximately 1000mm above ground.	No.	1		
<b>Excavations for pipework as described:</b>					
G	Excavate trench not exceeding 1.5m deep and 450mm wide, for water supply pipe line, 25mm diameter, part return, fill and ram and remainder spread on site.	Lm	43		

<b>Pipework and Pipe fittings:</b>					
<b>H</b>	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 25mm internal dia</b> to BS 8074 or equivalent and to PN10; from the <b>pedal pump to the overhead tank</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	12		
<b>I</b>	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 32mm internal dia</b> to BS 8074 or equivalent and to PN10; from the <b>ground storage tank to the pedal pump</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	43		
<b>SUBTOTAL</b>					
<b>CONTINGENCY, if applicable</b>					%
<b>VAT</b>					18%
<b>GRAND TOTAL</b>					

**BILLS OF QUANTITIES FOR IMPROVEMENT OF THE MATERNITY WITH WATER, AT KIRUHURA-KINONI HEALTH CENTRE III, IN KIRUHURA DISTRICT**

Item	Description	Units	Qty	Rate	Amount
<b>WATER SUPPLY</b>					
<b>Water Supply; Pipework and Pipe fittings as described:</b>					
A	PN20; PP-R Pipe 20mm	Lm	105		
B	PN20; PP-R Pipe 25mm	Lm	87		
C	PN20; PP-R Pipe 32mm	Lm	90		
D	32mm Gate valves	No.	3		
E	15mm angle valves	No.	6		
F	Flexible tubes (stainless steel braid on PVC) for connection of appliances, complete with all accessories.	No.	8		
G	Excavate trench for Foul-water drainage pipe, not exceeding 110mm diameter and average 750mm deep, including filling in, compacting, grading bottoms and disposing off surplus excavated material from site.	Lm	25		
H	Supply, assemble and lay PN6 110mm diameter uPVC drain pipes, bends, fittings and all accessories, jointed in foundation trench; average depth 450mm to falls including all associated builders' work.	Lm	25		
<b>Gulley traps:</b>					
I	Internal size 230x230mm <b>gully trap</b> , complete with concrete cover, 100mm outlet including bedding and surrounding with 150mm plain concrete (1:3:6) benching and joining to uPVC drain pipe and all necessary excavations, disposal and formwork.	No.	3		
<b>Manhole:</b>					
J	Construct manhole internal size 600x450x750mm average deep in 230mm thick well burnt clay brickwork, on 100mm thick grade 15 plain concrete base, plastered and screeded with water-proof cement and sand (1:2) plaster, including forming straight and/or curved semi circular channels and having a medium duty cast iron manhole cover and frame, including all the necessary excavations, planking and strutting and disposal of surplus excavated materials.	No.	1		
K	Soakpit size 3m dia. x 3m deep filled with hardcore and covered with 1000 Gauge polythene and top made good to match surroundings.	No.	1		
<b>WATER STORAGE &amp; DISTRIBUTION</b>					
B	Provide and install a 5,000Ltrs tank stand with tank base in Class B galvanised steel pipes approx. 5000mm above existing ground level; weld on it an access ladder with 16 mm pipe rungs at 250mm centres on the side; paint.	No.	1		
C	Supply and install <b>MoneyMarker Max pedal pump from M/s Davis and Shirtliff</b> with 32mm inlet and 25mm outlet.	No.	0		
D	Provide and install on top of concrete base 10,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
E	Construct a water tank base for the 10,000litre tank approximately 1000mm above ground.	No.	1		
<b>Excavations for pipework as described:</b>					
F	Excavate trench not exceeding 1.5m deep and 450mm wide, for water supply pipe line, 25mm diameter, part return, fill and ram and remainder spread on site.	Lm	130		
<b>Pipework and Pipe fittings:</b>					
G	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 25mm internal dia to BS 8074 or equivalent and to PN10; from the pedal pump to the overhead tank</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	0		
H	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 32mm internal dia to BS 8074 or equivalent and to PN10; from the eiting stand pipe to the overhead tank</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	137		
<b>SUBTOTAL</b>					
<b>CONTINGENCY, if applicable</b>					%
<b>VAT</b>					18%
<b>GRAND TOTAL</b>					

**BILLS OF QUANTITIES FOR IMPROVEMENT OF THE MATERNITY WITH WATER, AT KIRUHURA-KINONI HEALTH CENTRE III, IN KIRUHURA DISTRICT**

Item	Description	Units	Qty	Rate	Amount
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**WATER SUPPLY AND DRAINAGE PIPEWORK & FITTINGS, AND SANITARY APPLIANCES**

**Tenderers must allow in their pipework prices for all couplings, connectors, joints etc. required in the running lengths of pipework and also where stated for fixing clips or holderbats plugged and screwed.**

**WATER SUPPLY**

**Water Supply; Pipework and Pipe fittings as described:**

<b>A</b>	PN20; PP-R Pipe 20mm	Lm	39		
<b>B</b>	PN20; PP-R Pipe 25mm	Lm	25		
<b>C</b>	PN20; PP-R Pipe 32mm	Lm	29		
<b>D</b>	32mm Gate valves	No.	1		
<b>E</b>	15mm angle valves	No.	1		
<b>F</b>	Flexible tubes (stainless steel braid on PVC) for connection of appliances, complete with all accessories.	No.	1		
<b>G</b>	Excavate trench for Foul-water drainage pipe, not exceeding 110mm diameter and average 750mm deep, including filling in, compacting, grading bottoms and disposing off surplus excavated material from site.	Lm	15		
<b>H</b>	Supply, assemble and lay PN6 110mm diameter uPVC drain pipes, bends, fittings and all accessories, jointed in foundation trench; average depth 450mm to falls including all associated builders' work.	Lm	15		

**Gulley traps:**

<b>I</b>	Internal size 230x230mm <b>gully trap</b> , complete with concrete cover, 100mm outlet including bedding and surrounding with 150mm plain concrete (1:3:6) benching and joining to uPVC drain pipe and all necessary excavations, disposal and formwork.	No.	2		
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**Manhole:**

<b>J</b>	Construct manhole internal size 600x450x750mm average deep in 230mm thick well burnt clay brickwork, on 100mm thick grade 15 plain concrete base, plastered and screeded with water-proof cement and sand (1:2) plaster, including forming straight and/or curved semi circular channels and having a medium duty cast iron manhole cover and frame, including all the necessary excavations, planking and strutting and disposal of surplus excavated materials.	No.	1		
<b>K</b>	Soakpit size 3m dia. x 3m deep filled with hardcore and covered with 1000 Gauge polythene and top made good to match surroundings.	No.	1		

**WATER STORAGE & DISTRIBUTION**

<b>A</b>	Provide and install on top of frame 5,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
<b>B</b>	Provide and install a 5,000Ltrs tank stand with tank base in Class B galvanised steel pipes approx. 5000mm above existing ground level; weld on it an access ladder with 16 mm pipe rungs at 250mm centres on the side; paint.	No.	1		
<b>C</b>	Supply and install <b>MoneyMarker Max pedal pump from M/s Davis and Shirtliff</b> with 32mm inlet and 25mm outlet.	No.	0		
<b>D</b>	Provide and install on top of concrete base 10,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
<b>E</b>	Construct a water tank base for the 10,000litre tank approximately 1000mm above ground.	No.	1		

**Excavations for pipework as described:**

<b>F</b>	Excavate trench not exceeding 1.5m deep and 450mm wide, for water supply pipe line, 25mm diameter, part return, fill and ram and remainder spread on site.	Lm	130		
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**Pipework and Pipe fittings:**

<b>G</b>	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 25mm internal dia to BS 8074 or equivalent and to PN10; from the pedal pump to the overhead tank</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	0		
<b>H</b>	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 32mm internal dia to BS 8074 or equivalent and to PN10; from the eiting stand pipe to the overhead tank</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	137		

**SUBTOTAL**

<b>CONTINGENCY, if applicable</b>				%	
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VAT	18%	
GRAND TOTAL		

**BILLS OF QUANTITIES FOR REMODELLING OF THE EXISTING LABORATORY AND IMPROVEMENT OF THE MATERNITY , AT KITURA HEALTH CENTRE II, IN KIRUHURA DISTRICT**

Item	Description	Units	Qty	Rate	Amount
<b>WATER SUPPLY AND DRAINAGE PIPEWORK &amp; FITTINGS, AND SANITARY APPLIANCES</b>					
Tenderers must allow in their pipework prices for all couplings, connectors, joints etc. required in the running lengths of pipework and also where stated for fixing clips or holderbats plugged and screwed.					
<b>WATER SUPPLY</b>					
<b>Water Supply; Pipework and Pipe fittings as described:</b>					
A	PN20; PP-R Pipe 20mm	Lm	47		
B	PN20; PP-R Pipe 25mm	Lm	43		
C	PN20; PP-R Pipe 32mm	Lm	38		
D	32mm Gate valves	No.	2		
E	15mm angle valves	No.	6		
F	Flexible tubes (stainless steel braid on PVC) for connection of appliances, complete with all accessories.	No.	4		
G	Excavate trench for Foul-water drainage pipe, not exceeding 110mm diameter and average 750mm deep, including filling in, compacting, grading bottoms and disposing off surplus excavated material from site.	Lm	23		
H	Supply, assemble and lay PN6 110mm diameter uPVC drain pipes, bends, fittings and all accessories, jointed in foundation trench; average depth 450mm to falls including all associated builders' work.	Lm	23		
<b>Gulley traps:</b>					
I	Internal size 230x230mm <b>gully trap</b> , complete with concrete cover, 100mm outlet including bedding and surrounding with 150mm plain concrete (1:3:6) benching and joining to uPVC drain pipe and all necessary excavations, disposal and formwork.	No.	2		
<b>Manhole:</b>					
J	Construct manhole internal size 600x450x750mm average deep in 230mm thick well burnt clay brickwork, on 100mm thick grade 15 plain concrete base, plastered and screeded with water-proof cement and sand (1:2) plaster, including forming straight and/or curved semi circular channels and having a medium duty cast iron manhole cover and frame, including all the necessary excavations, planking and strutting and disposal of surplus excavated materials.	No.	2		
K	Soakpit size 3m dia. x 3m deep filled with hardcore and covered with 1000 Gauge polythene and top made good to match surroundings.	No.	1		
<b>Rainwater Goods</b>					
L	150mm uPVC rainwater gutter as manufactured by "M/s Multiple Industries" fixed with steel brackets at 600mm centres to fascia board	Lm	80		
M	110mm diameter uPVC rainwater downpipe and fittings	Lm	6		
N	Extra over for 110mm diameter angle pipe outlet	No.	1		
<b>SANITARY APPLIANCES</b>					
<b>Supply and install the following Sanitary fittings as described:</b>					
B	510x380x200mm deep laboratory sink as manufactured by M/s IDEAL STANDARDS in fire clay C/W 38mm strainer waste and necessary fittings and fitted with 1No. 15mm elbow operated tap and supported with brackets. (Delivery room)	No.	1		
<b>SUBTOTAL</b>					
<b>CONTINGENCY, if applicable</b>				%	
<b>VAT</b>				18%	
<b>GRAND TOTAL</b>					

**BILLS OF QUANTITIES FOR IMPROVEMENT OF THE MATERNITY WITH WATER , AT KANONI HEALTH CENTRE III, IN KIRUHURA DISTRICT**

Item	Description	Units	Qty	Rate	Amount
<b>WATER SUPPLY AND DRAINAGE PIPEWORK &amp; FITTINGS, AND SANITARY APPLIANCES</b>					
Tenderers must allow in their pipework prices for all couplings, connectors, joints etc. required in the running lengths of pipework and also where stated for fixing clips or holderbats plugged and screwed.					
<b>WATER SUPPLY</b>					
<b>Water Supply; Pipework and Pipe fittings as described:</b>					
A	PN20; PP-R Pipe 20mm	Lm	65		
B	PN20; PP-R Pipe 25mm	Lm	56		
C	PN20; PP-R Pipe 32mm	Lm	40		
D	32mm Gate valves	No.	1		
E	15mm angle valves	No.	3		
F	Flexible tubes (stainless steel braid on PVC) for connection of appliances, complete with all accessories.	No.	3		
G	Excavate trench for Foul-water drainage pipe, not exceeding 110mm diameter and average 750mm deep, including filling in, compacting, grading bottoms and disposing off surplus excavated material from site.	Lm	8		
H	Supply, assemble and lay PN6 110mm diameter uPVC drain pipes, bends, fittings and all accessories, jointed in foundation trench; average depth 450mm to falls including all associated builders' work.	Lm	8		
<b>Gully traps:</b>					
I	Internal size 230x230mm <b>gully trap</b> , complete with concrete cover, 100mm outlet including bedding and surrounding with 150mm plain concrete (1:3:6) benching and joining to uPVC drain pipe and all necessary excavations, disposal and formwork.	No.	1		
<b>Manhole:</b>					
J	Construct manhole internal size 600x450x750mm average deep in 230mm thick well burnt clay brickwork, on 100mm thick grade 15 plain concrete base, plastered and screeded with water-proof cement and sand (1:2) plaster, including forming straight and/or curved semi circular channels and having a medium duty cast iron manhole cover and frame, including all the necessary excavations, planking and strutting and disposal of surplus excavated materials.	No.	1		
K	Soakpit size 3m dia. x 3m deep filled with hardcore and covered with 1000 Gauge polythene and top made good to match surroundings.	No.	1		
<b>SANITARY APPLIANCES</b>					
<b>Supply and install the following Sanitary fittings as described:</b>					
<b>Sink</b>					
A	510x380x200mm deep laboratory sink as manufactured by M/s IDEAL STANDARDS in fire clay C/W 38mm strainer waste and necessary fittings and fitted with 1No. 15mm elbow operated tap and supported with brackets. (Delivery room)	No.	2		
<b>WATER STORAGE &amp; DISTRIBUTION</b>					
B	Provide and install on top of frame 5,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
C	Provide and install a 5,000Ltrs tank stand with tank base in Class B galvanised steel pipes approx. 5000mm above existing ground level; weld on it an access ladder with 16 mm pipe rungs at 250mm centres on the side; paint.	No.	1		
D	Supply and install <b>MoneyMarker Max pedal pump from M/s Davis and Shirliff</b> with 32mm inlet and 25mm outlet.	No.	1		
E	Provide and install on top of concrete base 10,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
F	Construct a water tank base for the 10,000litre tank approximately 1000mm above ground.	No.	1		
<b>Excavations for pipework as described:</b>					
G	Excavate trench not exceeding 1.5m deep and 450mm wide, for water supply pipe line, 25mm diameter, part return, fill and ram and remainder spread on site.	Lm	50		
<b>Pipework and Pipe fittings:</b>					
H	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 25mm internal dia to BS 8074 or equivalent and to PN10; from the pedal pump to the overhead tank</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	55		



I	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 32mm internal dia</b> to BS 8074 or equivalent and to PN10; from the <b>ground storage tank to the pedal pump</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	55		
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<b>SUBTOTAL</b>		
<b>CONTINGENCY, if applicable</b>		%
<b>VAT</b>		18%
<b>GRAND TOTAL</b>		

**BILLS OF QUANTITIES FOR REMODELLING OF THE EXISTING LABORATORY AT KIKYENKYE HEALTH CENTRE III, IN IBANDA DISTRICT**

Item	Description	Units	Qty	Rate	Amount
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**Bill No. 1: LABORATORY**

**DOORS**

A	Allow for the removal of the existing damaged timber doors and frames and handover all salvaged material to the Client.	Item	1		
B	<b>Ordinary veneer flush door as described</b> 44mm thick double leaf solid core flush door with Ordinary veneer plywood, size 1500 x 2100mm high overall, with 200x500mm high vision panels filled with 5mm thick clear sheet glass and fixed with wrot hardwood timber beadings.	No.	1		
C	<b>Approved wrot hardwood frames as described:</b> 50 x 200mm rebated hardwood door frame, plugged and screwed to Brickwork.	Lm	6		
D	<b>Covers beads in wrot Hardwood as described:</b> 45mm x 20mm Architraves/Quadrant beads	Lm	12		
<b>Supply, and fix the following Ironmongery:</b>					
E	100mm high stainless steel double action hinges.	Pairs	1.5		
F	25mm rubber door stop plugged to wall or floor	No.	1		
<b>Prepare and apply three coats of gloss paint as described on:</b>					
G	Surfaces: timber doors	Sm	5		
H	Surfaces: over 200 but not exceeding 300mm girth	Lm	6		
I	Surfaces: steel doors	Sm	0		
J	<b>Glass and Glazing as described:</b> 5mm frosted glass and glazing to metal with putty in panes not exceeding 0.1 sq.m	Sm	0		

**WINDOWS**

A	Allow for the removal of the clear sheet glass panes in the delivery room windows and cart away debris from site.	Item	1		
B	<b>Glass and Glazing as described:</b> 5mm frosted glass and glazing to metal with putty in panes not exceeding 0.1 sq.m	Sm	2		
C	<b>Painting as described:</b> Prepare, prime and apply three coats of gloss oil paint on general surfaces of glazed steel casement windows and frames (measured flat both sides)	Sm	4		

**FINISHINGS**

A	<b>Floor finishes as described:</b> Prepare and apply 20mm thick cement/sand (1:3) backing, finished in wood float ready to receive terrazzo (measured elsewhere) on horizontal faces of the floor.	Sm	0		
<b>POLISHED TERRAZZO : first coat of cement and sand (1:3) : second coat of coloured cement, sand and marble aggregates (1:2:5) : including 25 x</b>					
B	30mm Thick paving to floors. ( <i>Delivery room and assisted shower</i> )	Sm	0		
C	150 x 20mm Skirting ; bull nosed edge; coved junction	Lm	0		
<b>Painting as described:</b>					
D	Prepare and apply three coats of matt emulsion paint from approved manufacturers, to general surfaces of ceiling.	Sm	11		
E	Prepare and apply three coats of <b>silk vinyl paint</b> on internal plastered walls surfaces.	Sm	36		
F	Prepare and apply three coats of upoxy floor paint from approved manufacturers, to general surfaces.	Sm	11		

**ELECTRICAL WORKS**

G	Allow a provisional sum of Ug shs 500,000/= for the associated electrical works for the proper functioning of the laboratory. <i>Note: The contractor shall first submit a quotation to the Project Manager for approval before executing any works.</i>	Sum	1		
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**MECHANICAL WORKS**

**WATER SUPPLY AND DRAINAGE PIPEWORK & FITTINGS, AND SANITARY APPLIANCES**

**Tenderers must allow in their pipework prices for all couplings, connectors, joints etc. required in the running lengths of pipework and also where stated for fixing clips or holderbats plugged and screwed.**

**WATER SUPPLY**

**Water Supply; Pipework and Pipe fittings as described:**

A	PN20; PP-R Pipe 20mm	Lm	20		
B	PN20; PP-R Pipe 25mm	Lm	28		
C	PN20; PP-R Pipe 32mm	Lm	25		
D	32mm Gate valves	No.	1		
E	15mm angle valves	No.	1		

**BILLS OF QUANTITIES FOR REMODELLING OF THE EXISTING LABORATORY AT KIKYENKYE HEALTH CENTRE III, IN IBANDA DISTRICT**

Item	Description	Units	Qty	Rate	Amount
F	Flexible tubes (stainless steel braid on PVC) for connection of appliances, complete with all accessories.	No.	2		
G	Excavate trench for Foul-water drainage pipe, not exceeding 110mm diameter and average 750mm deep, including filling in, compacting, grading bottoms and disposing off surplus excavated material from site.	Lm	12		
H	Supply, assemble and lay PN6 110mm diameter uPVC drain pipes, bends, fittings and all accessories, jointed in foundation trench; average depth 450mm to falls including all associated builders' work.	Lm	12		
I	<b>Gulley traps:</b>				
	Internal size 230x230mm <b>gulley trap</b> , complete with concrete cover, 100mm outlet including bedding and surrounding with 150mm plain concrete (1:3:6) benching and joining to uPVC drain pipe and all necessary excavations, disposal and formwork.	No.	2		

**Manhole:**

J	Construct manhole internal size 600x450x750mm average deep in 230mm thick well burnt clay brickwork, on 100mm thick grade 15 plain concrete base, plastered and screeded with water-proof cement and sand (1:2) plaster, including forming straight and/or curved semi circular channels and having a medium duty cast iron manhole cover and frame, including all the necessary excavations, planking and strutting and disposal of surplus excavated materials.	No.	1		
K	Soakpit size 3m dia. x 3m deep filled with hardcore and covered with 1000 Gauge polythene and top made good to match surroundings.	No.	1		
L	Allow a provisional sum of Ug shs 500,000/= for gutter installation c/w down pipes and fixing accessories. <i>Note: The contractor shall first submit a quotation to the Project Manager for approval before executing any works.</i>	Sum	1		

**SANITARY APPLIANCES**

A	<b>Supply and install the following Sanitary fittings as described:</b>				
	510x380x200mm deep laboratory sink as manufactured by M/s IDEAL STANDARDS in fire clay C/W 38mm strainer waste and necessary fittings and fitted with 1No. 15mm elbow operated tap in worktop.	No.	2		

**WATER STORAGE & DISTRIBUTION**

B	Provide and install on top of frame 3,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
C	Provide and install a 3,000Ltrs tank stand with tank base in Class B galvanised steel pipes approx. 5000mm above existing ground level; weld on it an access ladder with 16 mm pipe rungs at 250mm centres on the side; paint.	No.	1		
D	Supply and install <b>MoneyMarker Max pedal pump from M/s Davis and Shirtliff</b> with 32mm inlet and 25mm outlet.	No.	1		
E	Provide and install on top of concrete base 10,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
F	Construct a water tank base for the 10,000litre tank approximately 1000mm above ground.	No.	1		
G	<b>Excavations for pipework as described:</b>				
	Excavate trench not exceeding 1.5m deep and 450mm wide, for water supply pipe line, 25mm diameter, part return, fill and ram and remainder spread on site.	Lm	35		
<b>Pipework and Pipe fittings:</b>					
H	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 25mm internal dia to BS 8074 or equivalent and to PN10; from the pedal pump to the overhead tank</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	37		
I	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 32mm internal dia to BS 8074 or equivalent and to PN10; from the ground storage tank to the pedal pump</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	37		

**SUBTOTAL**

**CONTINGENCY, if applicable**

%

**VAT**

18%

**GRAND TOTAL**

**BILLS OF QUANTITIES FOR IMPROVEMENT OF THE MATERNITY WARD WITH WATER, AT  
KIKYENKYE HEALTH CENTRE III, IN IBANDA DISTRICT**

Item	Description	Units	Qty	Rate	Amount
<b>WATER SUPPLY AND DRAINAGE PIPEWORK &amp; FITTINGS, AND SANITARY APPLIANCES</b>					
<b>Tenderers must allow in their pipework prices for all couplings, connectors, joints etc. required in the running lengths of pipework and also where stated for fixing clips or holderbats plugged and screwed.</b>					
<b>WATER SUPPLY</b>					
<b>Water Supply; Pipework and Pipe fittings as described:</b>					
A	PN20; PP-R Pipe 20mm	Lm	25		
B	PN20; PP-R Pipe 25mm	Lm	18		
C	PN20; PP-R Pipe 32mm	Lm	15		
D	32mm Gate valves	No.	1		
E	15mm angle valves	No.	1		
F	Flexible tubes (stainless steel braid on PVC) for connection of appliances, complete with all accessories.	No.	2		
<b>DRAINAGE</b>					
<b>Drainage Pipework and Pipe fittings as described:</b>					
H	uPVC 50mm dia. to PN6	Lm	18		
I	Floor trap complete with cover	No.	1		
I	uPVC 50mm dia. to PN6 bend	No.	1		
J	uPVC 50mm dia. Access cap	No.	1		
K	Excavate trench for Foul-water drainage pipe, not exceeding 110mm diameter and average 750mm deep, including filling in, compacting, grading bottoms and disposing off surplus excavated material from site.	Lm	8		
L	Supply, assemble and lay PN6 110mm diameter uPVC drain pipes, bends, fittings and all accessories, jointed in foundation trench; average depth 450mm to falls including all associated builders' work.	Lm	8		
<b>Gulley traps:</b>					
M	Internal size 230x230mm <b>gully trap</b> , complete with concrete cover, 100mm outlet including bedding and surrounding with 150mm plain concrete (1:3:6) benching and joining to uPVC drain pipe and all necessary excavations, disposal and formwork.	No.	2		
<b>Manhole:</b>					
A	Construct manhole internal size 600x450x750mm average deep in 230mm thick well burnt clay brickwork, on 100mm thick grade 15 plain concrete base, plastered and screeded with water-proof cement and sand (1:2) plaster, including forming straight and/or curved semi circular channels and having a medium duty cast iron manhole cover and frame, including all the necessary excavations, planking and strutting and disposal of surplus excavated materials.	No.	1		
B	Soakpit size 3m dia. x 3m deep filled with hardcore and covered with 1000 Gauge polythene and top made good to match surroundings.	No.	1		
<b>SANITARY APPLIANCES</b>					
<b>Supply and install the following Sanitary fittings as described:</b>					
<b>Sinks</b>					
C	510x380x200mm deep laboratory sink as manufactured by M/s IDEAL STANDARDS in fire clay C/W 38mm strainer waste and necessary fittings and fitted with 1No. 15mm elbow operated tap in worktop.	No.	1		
<b>WATER STORAGE &amp; DISTRIBUTION</b>					
D	Provide and install on top of frame 3,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
E	Provide and install a 3,000Ltrs tank stand with tank base in Class B galvanised steel pipes approx. 5000mm above existing ground level; weld on it an access ladder with 16 mm pipe rungs at 250mm centres on the side; paint.	No.	1		
F	Supply and install <b>MoneyMarker Max pedal pump from M/s Davis and Shirliff</b> with 32mm inlet and 25mm outlet.	No.	1		
G	Provide and install on top of concrete base 10,000Ltrs plastic tank as manufactured by M/s Crest Tank or any other approved manufacturer, complete with all the necessary accessories.	No.	1		
H	Construct a water tank base for the 10,000litre tank approximately 1000mm above ground.	No.	1		
<b>Excavations for pipework as described:</b>					
I	Excavate trench not exceeding 1.5m deep and 450mm wide, for water supply pipe line, 25mm diameter, part return, fill and ram and remainder spread on site.	Lm	35		
<b>Pipework and Pipe fittings:</b>					

<b>BILLS OF QUANTITIES FOR IMPROVEMENT OF THE MATERNITY WARD WITH WATER, AT KIKYENKYE HEALTH CENTRE III, IN IBANDA DISTRICT</b>					
<b>Item</b>	<b>Description</b>	<b>Units</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
<b>J</b>	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 25mm internal dia</b> to BS 8074 or equivalent and to PN10; from the <b>pedal pump to the overhead tank</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	37		
<b>K</b>	Procure, deliver to site, connect and lay <b>HDPE main water supply pipe, 32mm internal dia</b> to BS 8074 or equivalent and to PN10; from the <b>ground storage tank to the pedal pump</b> , complete with water-tight joints and including all necessary fittings and accessories.	Lm	37		
<b>Supply and install the following Sanitary fittings as described:</b>					
<b>Shower</b>					
<b>A</b>	100mm diameter chrome plated shower rose, tap and pipe, and mixer tap, and all accessories <i>(In Assisted shower)</i>	No.	1		
<b>Wash hand basin</b>					
<b>B</b>	White glazed vitreous china <b>pedestal supported</b> wash hand basin as 'Hindi wares' 'Classic' Model complete with 15mm <b>chrome plated Pillar tap</b> and 32mm chrome plated chain waste fitting with back nut. <i>(In Delivery Room, Assisted shower)</i>	No.	2		
<b>Sluice Sink</b>					
<b>C</b>	304; G18 Stainless steel <b>Dec slop hopper 1000mm</b> as <b>manufactured by M/s FRANKE</b> with top inlet, work surface and sluice, complete with 9litre cistern, elbow operated taps, resealing bottle traps and all the necessary accessories. <i>(In Sluice Room)</i>	No.	1		
<b>SUBTOTAL</b>					
<b>CONTINGENCY, if applicable</b>					%
<b>VAT</b>					18%
<b>GRAND TOTAL</b>					