



Islamic Relief Kenya

TENDER DOCUMENT FOR THE CONSTRUCTION OF WATER WORKS IN MSENGO-BININGALA BOREHOLE KILIFI COUNTY

REF NO: IRK/KLF/WORKS/004/03/2025

ISSUED ON: THURSDAY, 13TH MARCH 2025

CLOSING DATE: WEDNESDAY 26TH MARCH 2025 11.00 AM

NAME AND CONTACT OF PROCURING ENTITY:

Islamic Relief Kenya
Kirichwa Road, off Ngong Road
P.O.BOX 417 – 00202 KNH, Nairobi
Email: procurement.Irk@islamic-relief.or.ke

INSTRUCTION TO BIDDERS

Established in 1984 in the UK, Islamic Relief is an international NGO seeking to promote sustainable economic and social development by working with local communities through relief and development activities regardless of race, color and religion, and without expecting anything in return.

IR started operations in Kenya in 1993 on orphan's sponsorship programme through a local CBO in Mandera District, Northern Kenya. It opened its fully fledged office in March in 2006 at the height of drought in the Horn of Africa. Since then, IR has been providing humanitarian and development assistance to vulnerable communities. Over these years it has implemented various development and relief activities in Mandera. This has remarkably changed the lives of the vulnerable and disadvantaged communities. In January 2010, IRK extended its operation to Wajir County and in January 2012 expanded to Garissa and Dadaab, and in October 2017 opened a programme office in Kilifi County.

Islamic Relief Kenya focuses on resilience projects namely: Food Security and Livelihoods, Water Sanitation and Hygiene, Cash Transfer Programming, Orphans Support and Sponsorship, women Empowerment, Education and Peacebuilding.

The LDP project is under implementation in Kilifi County Kenya. It aims to implement inclusive climate adaptation and resilience actions and strategies at grass root levels to increase the adaptive capacity and level of climate resilience of the target communities, the project outcomes are,

1. Increased access to potable and sufficient water for human and livestock consumption and for small-scale irrigation.
2. Improved agricultural and livestock productivity through supporting extension services and climate smart agricultural practices, for optimal food production.
3. Increased income and asset growth for unemployed urban, and peri urban youths.
4. Strengthened community managed disaster risk reduction capacity.

To achieve this, IRK is raising this tender document for the **CONSTRUCTION WATER WORKS IN MSENGO BININGALA BOREHOLE IN KILIFI COUNTY.**

A complete set of tender documents may be obtained Free of Charge by interested candidates by downloading from the link provided: Islamic Relief Kenya website: <https://islamic-relief.or.ke>

CONSTRUCTION WATER WORKS IN MSENGO-BININGALA BOREHOLE IN KILIFI COUNTY.

Complete one tender document in pdf format (max 25mb) with subject as tender name and reference number **TENDER: IRK/KLF/WORKS/004/01/2024** to be submitted via email tenders@islamic-relief.or.ke no later than Wednesday, 26th March 2025 at 11:00 am

Tenders will be opened immediately thereafter in the presence of bidders or their representatives who choose to attend in the Islamic Relief Boardroom. Any tender documents received later than the deadline will not be accepted.

At the tender opening, IRK will announce the tenderer's names, total tender price, and such other details as the Employer, at his discretion, may consider appropriate. No tender shall be rejected at the tender opening except for late tenders. Tenders not opened and read out at the tender opening shall not be considered further for evaluation, irrespective of the circumstances.

Prices quoted should be inclusive of all taxes, must be in Kenya shillings and shall remain valid for (60) days from the closing date of tender.

Bid Submission Format:

Eligible bidders can download a complete set of tender documents with evaluation criteria from the Islamic Relief Kenya website: <https://islamic-relief.or.ke> Complete one tender document in pdf format (max 25mb) with subject as tender name and reference number to be submitted via email tenders@islamic-relief.or.ke no later than **March 26th March , 2025 at 11:00 am**

A complete set of tender documents may be obtained Free of Charge by interested candidates by downloading from the link provided: Islamic Relief Kenya website: <https://islamic-relief.or.ke>

Interested bidders are advised to read the submission instructions carefully to ensure compliance

Submission Email: To be submitted via email: tenders@islamic-relief.or.ke

Single PDF Document: Each bid must be submitted as a single, consolidated PDF document (Max 25mb). Multiple or fragmented submissions will not be accepted.

Bidder Email: Interested bidders may submit their bids **ONLY** from the official email address of the bidder or company

Direct PDF Attachment Only: Bid documents must be attached directly as PDF files in the submission email. Links to external file-sharing platforms, such as Google Drive or Dropbox, are not permitted and will not be reviewed.

Subject Line Specification: Bidders must include the tender name and reference number in the email subject line to ensure proper filtering and identification of submissions.

Tender Title: Construction Water Works in Msengo Biningala Borehole in Kilifi County

Disqualification Notice: Failure to adhere to these submission requirements will result in the disqualification of the bid.

INSTRUCTION TO BIDDERS :

1. All Tenders above must be accompanied by a Bid Bond at least 10% of the quoted amount valid for 180 days.
2. **Only** tenders submitted electronically will be accepted. Late tenders will be rejected

3. Work Scope and Sites Details

The tender is for undertaking the following components as per Annex I – BoQ and Annex II – Drawings:

Eligible Bidders

The invitation for the bids is open to all interested eligible Companies/individuals who are duly registered with the national government, respective County governments and National construction authority.

4. Services

All services to be done under the contract shall have their measurement and shall not be subcontracted.

5. Cost of Bidding

The bidders shall bear all costs associated with preparation and the submission of its bid & IRK will in no case be responsible for those costs, regardless of the conduct or outcome of the bidding process.

6. Clarification of Bidding Documents

Interested eligible candidates who may want to obtain further information or seek for clarification can do so by sending an email to Procurement.Irk@islamic-relief.or.ke OR +254 727531220 / 2543861216. IRK will respond in writing to any request prior to the deadline.

If you have any concerns – relating to this tender or otherwise – or want to make a complaint please: Call us on +254 700 200 849 or Email us at: complaints@irworldwide.org

7. Amendment of Bidding documents

At any time prior to the deadline for submission of bids, IRK May for any reason, at its own initiative or in response to a clarification requested by a prospective bidder, modify the bidding documents & will be binding on them. The amendment will be notified in writing to all prospective bidders, who have received the bidding documents & will be binding on them. In order to allow prospective bidders responsive time in which to take the amendment into account in preparing their bids, IRK may, at its discretion, extend the deadline for bid submission.

8. Language of the Bid

The bid prepared by the bidder, as well as all correspondence & documents relating to the bid, supporting documents and printed literature furnished by the bidder shall be written in English language.

9. Bid Document Comprises.

The bid document prepared by the bidder shall comprise of the following:

- a) Each page of the tender document serialized.
- b) Form of tender signed and stamped by the authorized person.
- c) Tender submitted with tender security as required (bid bond 10% of the quoted amount)

- d) Completed and signed confidential business questionnaire form.
- e) Certified Copy of Certificate of Incorporation/Registration.
- f) Disclosure of business ownership (Directors/ Partners /Sole Proprietor). Attach a copy of CR12 Form
- g) Certified Copy of Current Tax Compliance certificate from Kenya Revenue Authority – must verifiable online –itax
- h) KRA PIN with VAT obligation
- i) Certified Copy of Valid and current Business Permit
- j) Certified copy of Valid registration for National Construction Authority NCA 7 and above – water and building works
- k) Bidder to provide self-declaration that the person/tenderer will not engage in any corrupt or fraudulent practice.
- l) Only certified Statement of comprehensive income for the last three years (Max. 3 pages) signed by auditors.
- m) Company Profile with brief business description, physical location, address and company structure (Max. 5 pages).
- n) Evidence of Past Experience in Similar work done for the last 5 years e.g. at least 5 signed contracts supported by LPO and Certificate of completion
- o) Copy of ID/Passport for Company Owner/Director
- p) Bid bond (10% of the quoted amounts)
- q) Key Technical staff and their CVs (Key people but not more than four CVs)
- r) List of Key Equipment (**only** relevant equipment).
- s) Detailed workplan and methodology statement: Work plan demonstrating flow of work from inception to site hand over) (Max 3 pages)
- t) Bank Statement for 6 months (1st Sept 2024 – 28th February 2025)
- u) Duly filled Tender B.o.Q and forms in the format provided
- v) All copies of certified/mandatory documents must be Certified by a Commissioner of Notary/ Oath.

NB: - Partial delivery of the documents will lead to disqualification. Preference shall be given to qualified local supplier with valid licenses.

- *It is advisable that the bidder at own cost and convenience to undertake a physical visit and assessment of the particular site for the proposed works prior to the compilation of the bid.*

10. Bid Currencies

The bids prices shall be quoted in Kenya Shillings (KES).

11. Bids Prices

- The potential contractor shall submit his/her bid in the BOQ format provided in Annex I
- The bidders shall indicate the unit price where possible and the total bid price as indicated in the BOQ.
- Prices quoted by the bidder shall be fixed during the performance of the contract.

12. Withholding Tax

IRK shall retain 3% of contract value as withholding tax and remit to the government. A receipt shall be issued for this.

13. Retainer

IRK shall retain 10% of the contract value for a period of 6 months being defect liability.

14. IRK's right to vary quantities at the time of the award

IRK reserve the right at the time of award of contract to increase or decrease by up to 10% the quantity of work specified in the technical specification without change of unit price or other terms of condition.

15. IRK's right to accept any bid and/or reject any or all bids

IRK reserves the right to accept any bid and to annul the bidding processes and reject all bids at any time prior to award of contract, without, thereby incurring any liability to the affected bidder or bidders or any obligation to inform the affected bidder or bidders on the grounds of its action.

16. Submission of Bids

The bidders shall submit their bids in one envelope marked with Tender Name and Reference.

17. Evaluation

18.1 IRK will examine the prequalification documents to determine completeness, general orderliness, sufficiency in responsiveness, price and product brand.

18.2 The potential contractor shall not contact IRK on matters relating to their bid from the time of opening to completion and official communication sent to them. Any effort by the potential contractor to influence IRK in the evaluation shall result in disqualification.

18.3 Prequalification will be based on meeting the minimum criteria regarding the applicant's legal status, general and experience, personnel and financial position as demonstrated by their responses as set in clause

18.4 The applicants **MUST** have registered offices and IRK reserves the discretion of visiting physical premises from which the applicant conducts business if so desired to confirm existence and capability to execute the contract.

18.5 Due diligence shall be undertaken, and any bidder found to be in breach by providing false information shall be disqualified.

19. Employment of Minors

The Contractor shall not employ children in executing the contract. The Contractor shall observe international conventions relating to child labor namely the UN Convention No.182 on worst forms of child labor and convention No. 138 on the minimum age for admission to employment.

20. Criminal Act

The Contractor undertakes to comply with all applicable laws and to ensure that it does not engage in any kind of criminal activity including but not limited to bribery, fraud, corruption, terrorism and to maintain ethical business practices as well as not to commit any Prohibited Acts defined as: -

- i) To offer, promise or give any person a financial or other advantage.
- ii) To request, agree to receive or accept any financial or other advantage not expressly provided for as an inducement or a reward for the performance of any function or activity in connection with this Agreement.

BID EVALUATION RATING SCALE**MANDATORY REQUIREMENTS**

No	Description	Mandatory Evaluation (YES/NO)
1	Company Registration Certificate – Mandatory	
2	CR12- issued within the last 3 months	
3	Duly filled forms (Organization details, Grounds for Mandatory Rejection, Grounds for Discretionary rejection form, Bid Value, Financial and declaration)	
4.	Valid Registration with the county government/valid and genuine business permit.	
5.	Valid Registration with (NCA7 and above). (water works)	
7	Active KRA PIN – With VAT Obligation	
8	Valid Tax Compliance	
9	Copy of ID/ Passport of the directors	
10	Serialization of the Bid – Bidders shall sequentially serialize all pages of the	

Note: Bids that do not include any of the documents listed as mandatory will not be considered for either the technical or financial evaluation.

TECHNICAL ANALYSIS

TECHNICAL ANALYSIS			
No.	Description		Score
1	Brief Company Profile with verifiable physical location/address		10
2	List of Key Equipment	Owned (Max 15 marks)	20
		50% Owned – 50% leased (Max - 7)	
		100% leased (Max. 5 Marks)	
3	List of Key Personnel	(Degrees- 10, HNDs – 6, Diplomas – 4)	20
4	Number of Years in Operation at least 5 years	1yr - 2 marks	10
		2yrs- 4 marks	
		3yrs- 6 marks	
		4yrs- 8 marks	
		5yrs & above – 10 marks	
5	Evidence of past similar works – Contract, LPO & Completion certificates.	-5 or More = (Max. 30 marks)	30
		4 LPOs, contracts & completion cert. (Max 24 marks)	
		3 LPOs, contracts & completion cert. (Max 18 marks)	
		2 LPOs, contracts & completion cert. (Max 12)	

6		1 LPO/contracts/completion cert (Max 4 Marks) Note: the contract/LPOs/completion certificate must be readable, signed and stamped by the issuing authority for authentication.	
	Detailed work plan and methodology statement	Detailed workplan and methodology statement: Work plan demonstrating flow of work from inception to site hand over) (Max 3 pages)	10
	TOTAL	100	

Note: Bids that do not score 80% or above in the technical analysis will be automatically disqualified and will not be considered for financial evaluation.

FINANCIAL ANALYSIS

No.	Description		Maximum
1	Certified Bank statement for the past six months (Aug 2024 - Feb 2025)	Certified bank statement for 6 months.	25
2	Evidence of a Certified letter of credit from the reputable from reputable bank.	Certified letter (signed & stamped) of credit.	25
	TOTAL		50

Note: Bids that do not score 75% or above in the financial analysis shall not be considered for due diligence.

Tender Schedule

Task	Tentative Tender Schedule
Advertising of tender	13th March 2025
Closing of tender	Wednesday, 25 th March 2025 11:00 am
Opening of tender	Wednesday, 25th March 2025 11:00 am
Evaluation	27th – 31st March 2025
Award	1st March 2025

MANDATORY QUESTIONNAIRE

A: Organization and Contact Details

Full Name of Organization			
Date of Registration			
Registration Certificate Number			
Street		Road	
Address		Code	
Town			

Email		Telephone No.	
PIN No.			
Name of Parent Company			
Type of Organization	A Public Limited Company		
	A Limited Company		
	A Limited Liability Partnership		
	Other Partnership		
	Sole Trader		
	Other (Please Specify)		

Name of Owners

Name	ID/Passport No.	Nationality

DETAILS FOR CONTACT PERSON

Contact details for enquiries about this PQQ/Business Issues

Name of Staff	
Address	
Post Code	
Town	
Phone	
Mobile	
Email	

B - Grounds for Mandatory Rejection

Important Notice:

In some circumstances IRK is required by law to exclude you from participating further in a procurement. If you cannot answer 'no' to every question in this section it is very unlikely that your application will be accepted, and you should contact us for advice before completing this form.

Please state 'Yes' or 'No' to each question.

Has your organization or any directors or partner or any other person who has powers of representation, decision or control been convicted of <u>any of the following offences?</u>	Answer
(a) A crime	
(b) Corruption	
(c) The offence of bribery;	
(d) Fraud within the meaning of:	

i) Money laundering	
ii) Any other offence	

Has your organization fulfilled obligations related to the payment of social security contributions or the payment of taxes in accordance with the legal? Answer with a “Yes” or “No”	
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C - Grounds for Discretionary Rejection

Important Notice:

IRK is entitled to exclude you from consideration if any of the following apply but may decide to allow you to proceed further. If you cannot answer ‘no’ to every question it is possible that your application might not be accepted. In the event that any of the following do apply, please set out (in a separate Annex) full details of the relevant incident and any remedial action taken subsequently. The information provided will be taken into account by IRK in considering whether or not you will be able to proceed any further in respect of this procurement exercise. Please state ‘Yes’ or ‘No’ to each question.

Is any of the following true of your organization?	
(a) <u>Is bankrupt</u> or under receivership or bankruptcy restrictions order made against the organization	
(b) <u>Is insolvent</u> ,	
(c) <u>Is</u> the subject of an order by the court winding up otherwise than for the purpose of bona fide reconstruction or amalgamation, or had a receiver, manager or administrator on behalf of a creditor appointed in respect of the company’s business or any part thereof or is the subject of similar procedures under the law of any other state?	
Has your organization	
(a) been convicted of a criminal offence relating to the conduct of your business or profession;	
(b) committed an act of grave misconduct in the course of your business or profession;	
(c) failed to fulfil obligations relating to the payment of social security contributions	
(d) failed to fulfil obligations relating to the payment of taxes under the	
(e) been guilty of serious misrepresentation in providing any information required	

D – Bid Value & Duration of Supply

<i>Bid Value for the Work</i>	<i>Kshs.</i> _____
<i>Payment Terms</i>	
<i>Duration of Delivery</i>	
<i>Remarks</i>	

E - Financial

1	BANK INFORMATION	
1.1	<i>Bank</i>	
	<i>Branch</i>	
	<i>Account Name</i>	
	<i>Account Number</i>	
	<i>Swift Code</i>	
	<i>Letter From Bank Confirming Account & Credit Facility</i>	

F	Declaration	Declaration
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2.	<p>I declare that to the best of my knowledge the answers submitted in this bid document are correct. I understand that the information will be used in the process to assess my organization's suitability to be invited to tender for Islamic Relief's requirement and I am signing on behalf of my organization. I understand that the Contracting Authority may reject this bid if there is a failure to answer all relevant questions fully or if I provide false/misleading information. By signing the bid document, I certify that all of the above statements are accurate and factual.</p> <p style="text-align: center;">FORM COMPLETED BY</p>	
2.1	Name:	
2.2	Position:	
2.3	Signature:	
2.4	Date:	
2.5	Stamp:	

Name of Bidder: _____

Authorized signature: _____

Name of Authorized signatory: _____

Functional Title: _____

Telephone Number: _____

Email Address: _____

Date: ____/ ____/2025

Official Stamp:

ANNEX I BOQS

BILL OF QUANTITIES FOR CONSTRUCTION OF, 50M3 MASONRY TANK AND ASSOCIATED WORKS AT MSENKO SCH,KILIFI COUNTY					
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	BILL No. 1: PRELIMINARIES AND GENERALS				
1.1	Mobilization Allow an amount of KSh. 200,000 for mobilization and demobilization of equipment including personnel to the site. Amount to include setting up of camp.	ITEM	1		
1.2	Provide, fabricate and install MS Signboard (4ftx8ft) raised 1.0m above ground complete with appropriate paintwork, Islamic Relief Logo and Project details on either side.	ITEM	1		
1.3	Allow for the construction of raised masonry platform 1200mmx1500mm above ground level plastered on both sides as permanent visibility to be constructed inside the site. Fix 1SM foundation stone on the Platform. Cost to include the delivery, fixation of appropriate commemoration plaque. The relevant artworks details on the plate to be provided IRK.	ITEM	1		
	TOTAL CARRIED TO SUMMARY				
3	BILL No.3: CONSTRUCTION OF 50M3 MASONRY TANK				
3	EARTH WORKS (ALL PROVISIONAL)				
3.01	Strip top soil 200mm from ground level over the area of tank and remove all the soil to a temporary soil heap	M2	20		

3.02	Trim ,spread and level the ground around the tank to form suitable drainage of surface water	M2	20			
3.03	Excavate from the stripped level to a depth not exceeding 1.5m deep and dispose of the materials 50m away from the foundation, allowing the use of selected excavated materials for fill or back fill as required.	M3	30			
3.04	Extra over excavation for excavating in rock item 6.03 (provisional)	M3	5			
	Hardcore filling as specifications					
3.05	Provide, place and compact hardcore using, 500mm thick to make up levels.	M3	10			
3.06	Blind the surface of the hardcore using, 50mm layer of 1:4:8 concrete mix to make up levels under floor slab	M3	3			
3.07	Provide and place 500gauge polythene sheet to the surface of the blinded hardcore	M2	26			
3.08	Ditto to roof cover slab	M2	26			
	Sub-total carried to summary					
	Concrete works.					
	<u>Provide materials, handle, mix and place.</u>					
3.09	Vibrated 1:2:4 concrete mix asdescribed to 150mm thick floor slab.	M3	6			
3.1	Ditto to 150mm thick roof slab	M3	5			
3.11	Ditto to outlet /inlet pipes anchorage chambers and column. including inlet and outlet valve	M3	1			
	Sub-total carried to summary					
	<u>Reinforcement Bars</u>					
	Provide, handle,cut,bend and fix in position the following reinforcement bars as per the bending schedule.					
3.12	12mmΦ high yield reinforcement bars to the roof slab and column	KG	372			
3.13	Ditto to the floor slab	KG	320			
3.14	8mmΦ mild steel circumferential bars bent to average radius of 2875mm.	KG	342			

3.15	10mmΦ mild steel reinforcement bars to valve chamber cover slabs.	KG	45			
3.16	Allow for binding wire	KG	50			
	<u>Shuttering/formwork</u>					
3.17	Provide sawn timber form work to soffit of roof slab including the inlet /outlet valve chambers and columns	M2	36			
3.18	Provide cut and fix ply wood to the edges of 150mm tick floor slab	M2	3			
3.19	Ditto to edges of roof slab	M2	4			
3.2	Sawn timber formwork 150mm wide to the edges of manhole opening including the outlet and inlet valve chambers.	LM	10			
3.21	Provide and place good quality timber struts/pole support to roof slab average size 100mmΦ and 3000mm long	No.	75			
	Sub-Total Carried to Summary.					
	<u>WALLING</u>					
	Concrete block walling Provide all materials, handle, mix mortar as per specification and construct the following.					
3.22	225mm thick concrete block walling in 1:1:3 cement: water proof cement: sand mortar ration between the joints.	M2	60			
3.23	Provide and install bondex seal in the joints as per the instruction	LS	1			
3.24	Install double layer of bitumen coat between surface of masonry wall and floor/roof slab	LS	1			
3.25	Construct and complete valve chamber in concrete masonry block measuring 600mm x600mm x 600mm deep complete with steel plate cover including locking device.	Item	2			
	Sub-Total Carried to Summary.					
	<u>FINISHES</u>					
3.26	Provide all materials , handle ,mix and apply 20mm thick 1:3 cement: sand mortar screed Including water proof cement to floor slab	M2	20			

3.27	Ditto rendering to the interior surface of the concrete block walls including waterproof cement.	M2	48			
3.28	Ditto to the exterior surface of block walls including water proof cement.	M2	54			
3.29	20mm thick 1:3 cement: sand mortar screed to the exterior surface of the roof slab.	M2	24			
	<u>Metal work and miscellaneous items</u>					
3.3	Supply and install internal and external tank ladder fabricated on stainless steel tubing and include provision and fixing of 25mm G.S Pipes extension of ladder top as directed by the Engineer.	NO.	2			
3.31	Supply and install tank manhole cover size 600mmx 450mm fabricated on 3mm thick steel plate including locking device and good quality padlock.	No.	1			
3.32	Supply and install 100mmΦ GI bend to air vent as per the drawing	No.	2			
3.34	100mmΦ G.S pipe threaded on one side and side lugged and fixed to the top concrete cover slab.	M	3			
	PAINTING					
3.35	Apply undercoat to external walling Ditto cream paint	M2	50			
3.36	Ditto Bermuda blue paint 600mm from bottom of tank and 600mm from top of tank	M2	50			
3.37	Provide and tie mosquito gauze to the G.S bend opening to air vents above the tank roof cover slap.	No	3			
3.38	Provide for appropriate paintwork, Islamic Relief Logo and Project details on either side of the tank.	Item	1			
	Sub-total carried out to summary					
	Tank-Associated pipe work					
	Provide, handle cut and fix the following pipe fittings					
	Intake					
3.39	50mmΦ G.I pipe	No	2			
3.4	50mmΦ G.I bend	No	3			

3.41	50mmΦ G.I Socket	No	1			
3.42	50mmΦ G.I nipple	No	1			
3.43	50mmΦ G.I elbow	No	1			
	Offtake					
3.44	50mmΦ G.I pipe	No.	2			
3.45	50mm ΦG.I tee	No	2			
3.46	50mmΦ bend	No	2			
3.47	50mmΦ plain screwd flanges	No.	2			
3.48	3mm thick rubber gasket	M2	1			
3.49	50mm x 40mmΦ G.I reducing bush	No	3			
3.5	50mmΦ Pegler(UK) gate valve	No	1			
	Overflow pipe					
3.51	50mmΦ G.I pipe	M	1			
3.52	50mmΦ G.I socket	No	1			
3.53	50mmΦ G.I Plain flange	No	1			
3.54	50mmΦ G.I bend	No	1			
	Scour pipe					
3.55	50mmΦ G.I pipe	No.	1			
3.56	50mmΦ plain G.I flange	No	1			
3.57	50mm ΦG.I nipple	No	2			
3.58	50mmΦG.I bend	No	1			
3.59	50mmΦ G.I socket	No	2			
3.6	50mmΦG.I union	No	1			
3.61	50mmΦpeglar(UK) gate valve	No	3			
3.62	Supply and lay 2" G.I pipes class C	NO.	8			
	Supply and fix the following fittings:					
3.64	2" GI Equal Tee	No	2			
3.65	2" x 63mm HDPE adaptor	No	6			
3.66	2" G.I Elbow	No	4			
3.67	2"x 1" GI red Tee	No	2			
3.68	1" Valve sockets	No	2			
3.69	1"x 3/4" reducing brush G.I	No	2			
3.7	2" Pegler gate valve	No	2			
3.71	Excavate trench size 0.2x0.6m and backfill the same after pipe laying for the above line	LM	24			
	Sub-total carried to summary					
	ROOF WATER HARVESTING FROM 5 CLASSROOMS					

3.72	Provide an amount for roof water harvesting from 5NO.standard classroms by provision of upv gutters this should include the related appurtanances and fittings connected to the masonry tank.	LM	400			
3.73	Provide an amount for construction of handwashing point with 5 taps	no	4			
	Total for Water Connection					
	SUMMARY					
	EARTH WORKS					
	CONCRETE WORKS.					
	REINFORCEMENT BARS					
	WALLING					
	FINISHES					
	TANK-ASSOCIATED PIPE WORK					
	ROOF WATER HARVESTING					
	TOTAL FOR MASONRY TANK					
SUMMARY OF PROJECT COMPONENTS						
ITEM	DESCRIPTION	AMOUNT				
1	PRELIMINARIES AND GENERALS					
3	MASONRY TANK					
	SUB-TOTAL 1					
	Add 5% contingency					
	SUB-TOTAL 2					
	Add VAT 16%					
50M3 MASONRY TANK, MSENKO PRIMARY SCHOOL						

BOQ FOR WATER SUPPLY LINE TO MSENKO, KILIFI COUNTY

-	<u>WORKS</u>	-	-	-	-
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	ELEMENT 1				
1.0	Distribution Mains from the elevated tank to the school				

1.1	Provide, fabricate and install MS Signboard (1.5mx1.5m) raised 1.5m above ground complete with appropriate paintwork, Islamic Relief Logo and Project details on either side.	Item	1		
A	Excavate and backfill pipeline trench (after laying of pipe) 450mm wide and between 0.6m and 1.5m deep. Cost to include excavations in rocky formations.	Lm	2,000		
1	HDPE Pipe pipes 2" PN12 100 m long	Lm	2,000		
2	HDPE Coupling 2"	pcs	15		
3	HDPE Adapter male 2"	pc	6		
4	HDPE TEE 2"	Pcs	3		
4	Water meter 2" Lirlee	pc	1		
5	None return valve 2" lirlee	pc	2		
0	GI Pipe 2", Class D (Blue Mark)	pc	4		
1	GI Socket 2"	pc	4		
2	GI Union 2"	pc	2		
3	Tangit glue 1kg tin	Tins	1		
4	Thread tape	pc	40		
D	Construct 1200 x 1200 x900 Valve Chambers with Lockable Steel cover at kiosks connection complete with control valves and adjoining fittings	No.	3		
E	Allow for a lump sum amount to cater for contingencies, disinfection, testing and commissioning of the system	Item	1		
	TOTAL CARRIED TO MAIN SUMMARY				
	ELEMENT 4				
	<u>CONSTRUCTION OF HANDWASHING STATION AT MSENKO SCHOOL WITH 5 NO.POINTS</u>				
Item	Description	Qty	Unit	Rate	Total
	ELEMENT 3				
	Hand Washing Stations At kanjongoni Pre school				

1.0	Source supply materials to site and Construct STD masonry wall tapstand apprx 4m long and 1m high complete with drainage and 1.5 Cubic meter Soak pit	No.	5		
A.2	Excavate trenches to receive pipe commencing from ground levels not exceeding 0.6m deep, 0.6m wide, and backfill	m ³	22		
A.3	25mm diameter PPR from tank outlet to hand washing station complete with fittings	m	120		
A.4	Supply and instal uk made 25mm gate valve (pegla)	No.	3		
A.5	Construct standard Vavle chamber with locable cover (0.6 X 0.6 X 0.6m)	No.	3		
A.6	Provide an amount for a hdpe water pipeline 100m from the main to kanjongoni pre school	lm	100		
	Total for Hand washing Stations at Msengo				
	SUMMARY				
	ELEMENT 1				
	ELEMENT 3				
	SUB TOTAL				
	Add 5% for contingencies				
	ADD 16% VAT				
	GRAND TOTAL for KWA MSENGO WORKS				

	BOQ FOR THE CONSTRUCTION OF A WATER KIOSK AT MSENGO					
	WATER KIOSK AT MSENGO	UNIT	QTY	RATE KSHS	AMOUNT	
ITEM	DESCRIPTION				KSHS	CT
	BILL NO: CONSTRUCTION OF WATER KIOSK WITH REINFORCED PLATFORM FOR TANK					
	A. SUBSTRUCTURES					
	ELEMENT NO. 01-SUBSTRUCTURE					

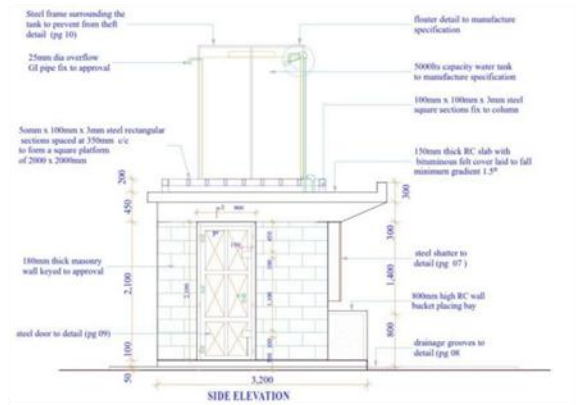
	<u>(ALL PROVISIONAL)</u>					
A	Excavate oversite to remove vegetable soil average 150mm deep;wheel and deposit on site n.e. 100M away in permanent spoils heaps	SM	12			
B	Ditto but to a depth of 300mm	CM	1.8			
C	Excavate for pad foundation and strip footing not exceeding 1000 mm deep.	CM	25			
	<u>Disposal</u>					
D	Cart away excess excavated material to spoil	CM	10			
	<u>Hardcore</u>					
E	250mm thick filling: deposit, spread, level and compact: to receive blinding	CM	3			
F	50mm murrum blinding to surface of hardcore.	SM	6			
	<u>Anti-Termite Treatment</u>					
G	Chemical anti-termite treatment executed by Rentokil Laboratoties Limited or equal and approved pest control firm under a ten year gurantee, applied to surface of excavation and floor	SM	12			
	<u>Damp-Proof Membrane</u>					
H	500mm Gauge polythene damp-proof membrane laid on blinded hardcore with 100mm folded side and end laps (measured net-allow for laps)	SM	12			
	<u>Plain Concrete 1:4:8 mix in:</u>					
G	50 mm blinding bed under strip footing	CM	6			
	<u>Reinforced Concrete 1:2:4- 20mm gauge mix in</u>					
H	150 mm floor slab	SM	12			
I	300 mm thick Strip Footing	CM	2.16			
J	600 x150mm thick pavement round the perimeter walling	SM	1.08			
	<u>Reinforcement</u>					
	<u>High Tensile Steel Reinforcement to B.S. 4483</u>					
K	Y12	NO	6			
L	Y10	NO	4			
M	Y8	NO	4			
	<u>Mesh Fabric Reinforcement to B.S.4483</u>					
N	Mesh reinforcement reference A 142 weighing 2.22kg per square metre laid in bed with 300mm side and end laps (Measured net allow for laps)	SM	12			
	<u>MASONRY</u>					
O	<u>Medium quarry dressed stone walling in cement and sand (1:3)mortar:20 gauge x 25mm wide hoop iron reinforcement and column-wall ties in every alternate course: to</u>					
P	<u>200mm walling in Foundation</u>	SM	15			

	<u>Hessian Based Bituminous Felt Damp-Proof course to B.S.743 type 4A and setting in cement and sand mortar</u>					
Q	<u>under 200mm walls</u>	L.M	10			
	TOTAL ELEMENT 01					
	DESCRIPTION	UNIT	QTY			
ITEM						CT
	<u>ELEMENT NO-02</u>					
	<u>CONCRETE WORK AND WALLING</u>					
	<u>Reinforced Concrete 1:2:4- 20mm gauge mix in</u>					
A	Rings Beams;450x200	CM	0.9			
B	150mm roof slab and fetching bay	CM	1.8			
	<u>Sawn formwork to</u>					
C	sides and soffits of beams	SM	9.7			
D	Ditto but to sides and of columns	SM	19.2			
E	Ditto but including props beneath the roof slab and fetching bay	SM	12			
	<u>Reinforcement</u>					
	<u>High Tensile Steel for columns, ring beam and top slab Reinforcement to B.S. 4483</u>					
F	Y16mm Bars	NO	12			
G	Y10mm Bars	NO	16			
H	Y12mm Bars	NO	15			
	<u>Walling</u>					
	<u>Medium quarry dressed stone walling in cement and sand (1:3)mortar:20 gauge x 25mm wide hoop iron reinforcement and column-wall ties in every alternate course: to</u>					
I	200mm walling	SM	25			
	TOTAL ELEMENT 02					
		UNIT	QTY			
ITEM	DESCRIPTION					CT
	<u>ELEMENT NO-03</u>					
	<u>DISPOSAL</u>					
A	Plastic downpipes;75mm diameter	L.M	6			
B	10,000 litres plastic Kentank tank or equivalent and approved by IRK ENGINEER AND FITTED WITH IRK LOGO	No	1			
	TOTAL ELEMENT 03					
		UNIT	QTY			
ITEM	DESCRIPTION					CT
	<u>ELEMENT NO. 04</u>					

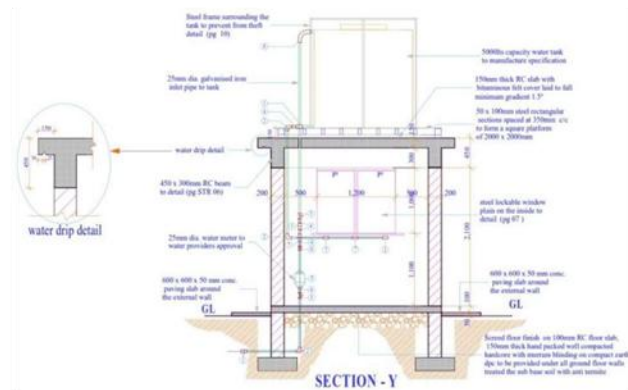
	<u>FINISHINGS</u>					
	<u>Cement and Sand (1:4) Screed and Paving</u>					
	<u>FLOOR FINISHES</u>					
	<u>Cement and sand (1:4) paving: steel trowelled: on concrete</u>					
A	.40mm thick floors to receive tiles	SM	10			
B	Tiling on the floor including water fetching area upto the bay deck as approved by RE	SM	20			
	<u>12mm Two Coats Lime Plaster with stel Trowel Finished to:</u>					
C	Internal walls and slab soffit	SM	25			
D	Extenal walls including keying	SM	10			
	TOTAL ELEMENT 04					-
		UNIT	QTY			
ITEM	DESCRIPTION					CT
	ELEMENT NO. 5					
	DOORS					
	<u>Steel Door</u>					
A	Standard single leaf steel door to the satisfaction of the RE	NO.	1			
	TOTAL ELEMENT 05					
		UNIT	QTY			
ITEM	DESCRIPTION					CT
	ELEMENT NO.6					
	WINDOWS					
A	2000x1200mm double leaf steel window as directed by RE	NO	1			
	TOTAL ELEMENT 06					
		UNIT	QTY			
ITEM	DESCRIPTION					CT
	ELEMENT NO.07					
	-					
	<u>PAINTING AND DECORATING</u>					
	<u>Prepare and apply three coats plastic emulsion paint to:</u>					
	<u>Internally</u>					
A.	Plastered walls	SM	45			
	-					
B	Ditto but to the doors and window surfaces as Directed by RE	SM	10			

	TOTAL ELEMENT 07					
ITEM	DESCRIPTION	UNIT	QTY			
	ELEMENT NO.08					
	PLUMBING WORKS					CT
A	32mm thick floors screed	SM	11.6			
	Plumbing (Supply and fix the following)					
B	¾” GI pipe	No.	1			
C	¾” Gate Valve (Peggler)	No.	1			
D	¾” Bend	No.	3			
E	¾” Elbow	No.	4			
F	¾ Tee equal	No.	3			
G	¾” Union	No.	1			
H	¾“ Stop Cork (Peggler)	No.	3			
I	¾” Hexagonal nipple	No.	10			
J	¾” Sockets	No.	2			
K	PVC end-caps 2”	No.	2			
L	PVC end-caps 1½”	No.	2			
M	PVC Tee equal 2”	No.	2			
N	Ditto ½”	No.	2			
O	Reducing socket 2” x ¾” PVC	No.	2			
P	Ditto 1 ½” x ¾”	No.	2			
Q	PVC Adapter ¾”	No.	2			
	TOTAL ELEMENT 08					
	SUMMARY					
	ELEMENT NO.					CT
	1. SUBSTRUCTURE					
	2. CONCRETE WORK AND WALLING					
	3. ROOFING AND RAINWATER DISPOSAL					
	4. FINISHING					
	5. DOORS					
	6. WIDOWS					
	7. PAINTING AND DECORATION					
	8. PLUMBING WORKS					
	SUB TOTAL					
	TOTAL CARRIED TO SUMMARY					

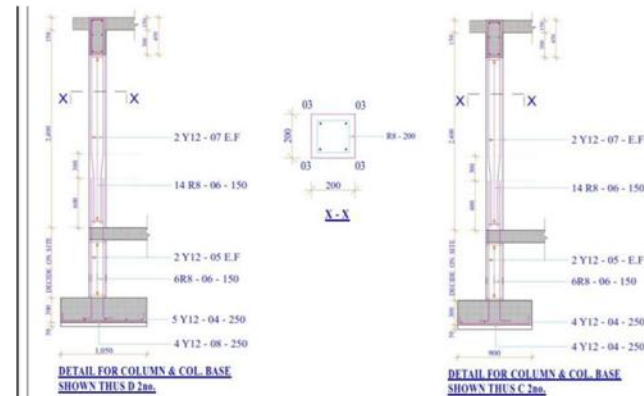
ANNEX II: DRAWINGS



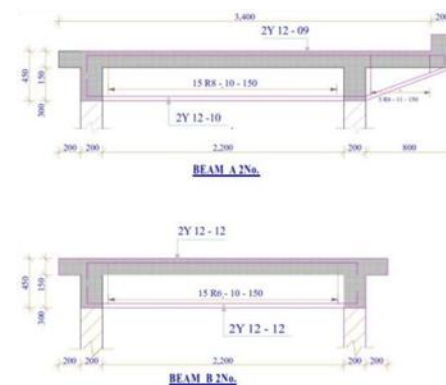
1:1 SIDE ELEVATION 001



1:1 SECTION Y-Y



1:1 COLUMN DETAILS



1:1 BEAM DETAIL

NOTES:

GENERAL

- All dimensions are in mm unless otherwise specified.
- Dimensions to be read, not scaled. Only figured dimensions to be used.
- Contractor to check and verify all dimensions on site before commencement of any works.

CONSTRUCTION

- All slabs at ground level to be poured over 1000 gauge polythene sheeting on 50 mm thick minimum blinding layer which on 300 hardcore fill.
- All soil under slabs and all around external foundations to be treated against termites.

STRUCTURAL

- All black cotton soil to be removed from below all building and paved surfaces.
- All soil under slabs and all around external foundations to be treated against termites.
- Building to be clear of black cotton soil within 3m outside the perimeter wall.
- For all R.C. works, refer to structural drawings.

- Depth of foundation to be determined on the site to structural Engineers Approval.

MECHANICAL

- All plumbing and drainage to comply with local authority regulations.
- All service ducts to be accessible from all floors.
- SVP denotes soil vent pipe to be provided at the head of the drainage.
- P.V permanent ventilation to be provided on all doors and windows except bathroom and water closet doors.
- All hand ground feed and waste drain pipes shall be up to comply with Bs 5255.
- All inspection chamber cover and framing shall be cast iron to comply with Bs 407 table 2 grade A.
- The storm drain pipe to comply with Bs 556 minimum slope in the drain pipes in 1%.
- All testing of pipes must be done before plastering.

prefix	description	date

DESIGN/CONTRACTOR'S

ISLAMIC RELIEF

PROJECT TITLE

PROPOSED TYPICAL WATER KIOSK AT 5 WATER TAPS - 191 LTR

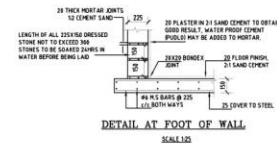
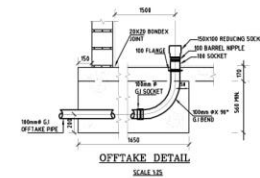
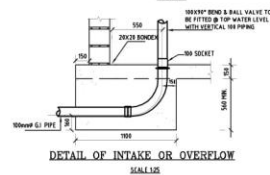
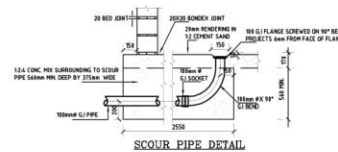
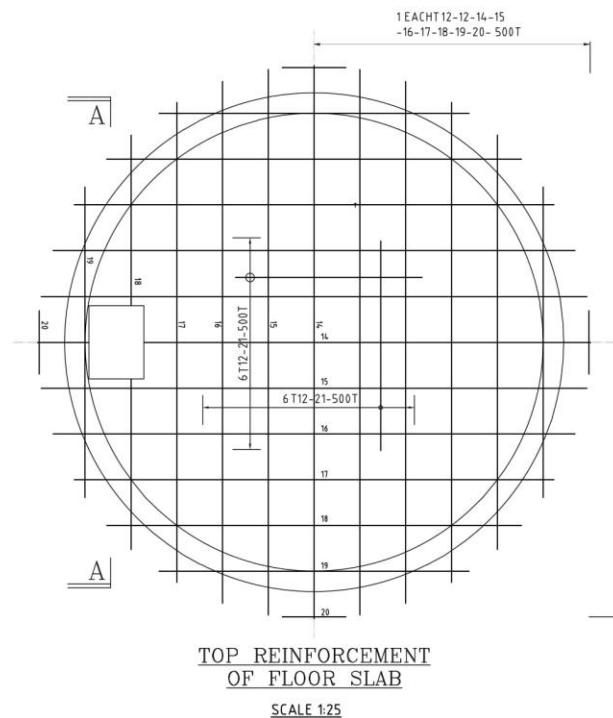
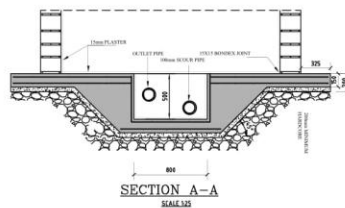
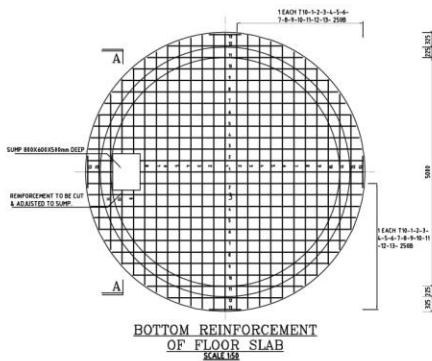
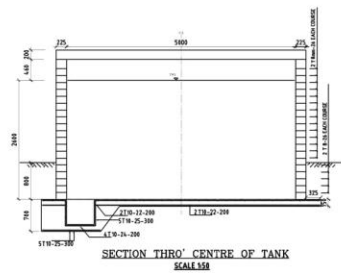
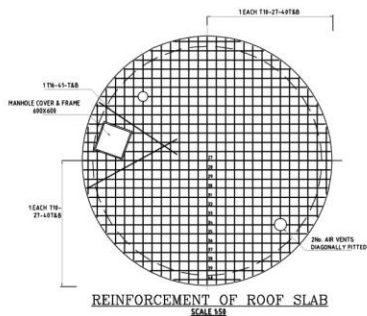
DRAWING TITLE

WORKING DRAWINGS

DATE: APRIL 2014

Drawn by: EY 005

Checked by: EY 005



GENERAL NOTES:

1. ALL CONCRETE TO BE CLASS 25/30 (1:1.5:3)
2. REINFORCEMENT TO BE HIGH STRENGTH STEEL 420MMS
3. MINIMUM COVER TO REINFORCEMENT TO BE BASES - 50mm COLLARED-40mm BEAMS - 25mm
4. ALL FOUNDATIONS TO BE TAKEN DOWN TO FIRM BEARING STRATA TO ENGINEER'S APPROVAL
5. FOUNDATIONS DESIGNED FOR ALLOWABLE BEARING PRESSURE OF 150 KNN/M²
6. MINIMUM LAP LENGTH TO BE 45 TIMES BAR DIAMETER
7. STRUCTURAL DRAWING TO BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS
8. ALL THE REINFORCEMENT TO BE INSPECTED BY THE STRUCTURAL ENGINEER BEFORE CONCRETING
9. R/WOP & SERVICE DUCTS/CLADDING REQUIREMENTS TO BE CO-ORDINATED WITH ARCHITECT & E&E DRAWINGS

REV	REVISIONS	SIGN	DATE	APPROVED
4	BY	CHECKED		
3	BY	CHECKED		
2	BY	CHECKED		
1	BY	CHECKED		

Client: ISLAMIC RELIEF KENYA

Project: 50M³ MASONRY TANK-CERTU BOREHOLE

Drawing Title: 50M³ MASONRY TANK DETAILS

Designed by: ANTHONY Drawn by: ANTHONY

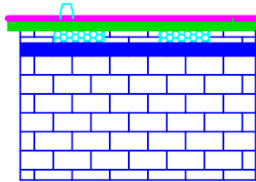
Checked by: ANDREA Approved by: ANDREA

Scale: AS SHOWN Date: APRIL 2024

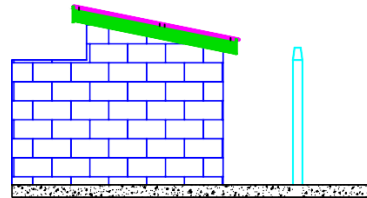
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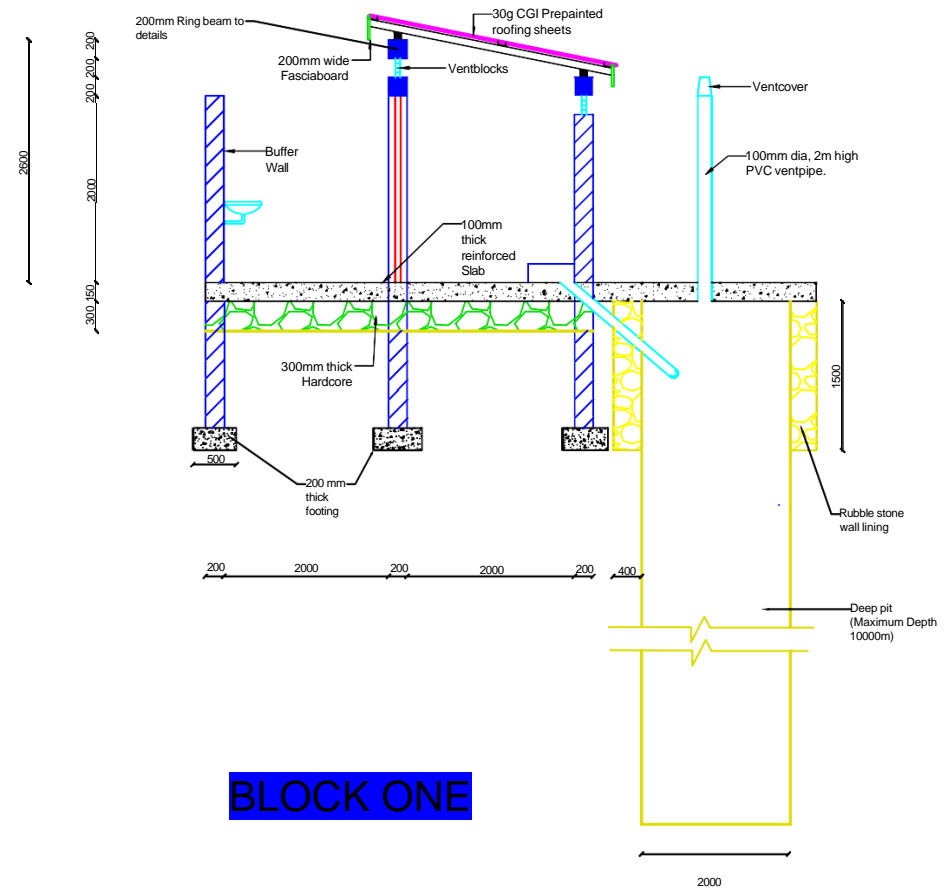
FRONT VIEW



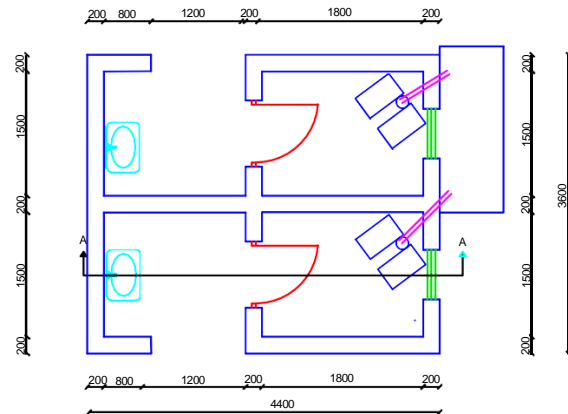
SIDE VIEW



SECTIONAL VIEW



BLOCK ONE



CLIENT:
ISLAMIC RELIEF, KENYA

PROJECT:
CONSTRUCTION OF VIP LATRINE BLOCK AT BANGAL

SCHOOL

DRAWING:
FLOOR PLAN,

ELEVATIONS AND SECTIONS