



## **Islamic Relief Kenya**

**TENDER DOCUMENT FOR THE CONSTRUCTION REHABILITATION OF KIPENDI AND  
MAKERE BOREHOLES IN TANA RIVER COUNTY**

**REF NO: IRK/TNR/WORKS/001/03/2025**

**ISSUED ON: THURSDAY, 13<sup>TH</sup> MARCH 2025**

**CLOSING DATE: WEDNESDAY, 26<sup>TH</sup> 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](mailto: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 WAVE project is under implementation in Tana River 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 the unemployed urban, and peri urban youths.
4. Strengthened community managed disaster risk reduction capacity.

Islamic Relief Kenya is planning to undertake CONSTRUCTION REHABILITATION OF KIPENDI AND MAKERE BOREHOLES IN TANA RIVER 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>

Complete one tender document in pdf format (max 25mb) with subject as tender name and reference number TENDER: IRK/TNR/WORKS/001/03/2025 to be submitted via email [tenders@islamic-relief.or.ke](mailto:tenders@islamic-relief.or.ke) no later than Wednesday, 26<sup>th</sup> 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 tender'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](mailto:tenders@islamic-relief.or.ke) no later than **March 26<sup>th</sup> 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](mailto: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 Rehabilitation of Kipendi And Makere Boreholes In Tana River County

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

## **Tender Instructions:**

**PROCURING ENTITY:** ISLAMIC RELIEF KENYA. P.O BOX 417-00202 KNH, Nairobi

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 authorities.

### **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](mailto: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 Email us at: [complaints@irworldwide.org](mailto: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 is 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 – 28<sup>th</sup> 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 the 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**

Complete one tender document in pdf format (max 25 mb) with subject as tender name and reference number to be submitted via email [tenders@islamic-relief.or.ke](mailto:tenders@islamic-relief.or.ke).

## **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). ( building Works & 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

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 2yrs- 4 marks 3yrs- 6 marks 4yrs- 8 marks 5yrs & above – 10 marks	10
5	Evidence of past similar works – Contract, LPO & Completion certificates.	-5 or More = (Max. 30 marks) 4 LPOs, contracts & completion cert. (Max 24 marks) 3 LPOs, contracts & completion cert. (Max 18 marks) 2 LPOs, contracts & completion cert. (Max 12) 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.	30
6	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
	<b>TOTAL</b>	<b>100</b>	

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. Uncertified bank statement -0	25
2	Evidence of a Certified letter of credit from the reputable from reputable bank.	Certified letter (signed & stamped) of credit.	25
	<b>TOTAL</b>		<b>50</b>

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, 26 <sup>th</sup> March 2025 11:00 am
Opening of tender	Wednesday, 26 <sup>th</sup> March 2025 11:00 am
Evaluation	27 <sup>th</sup> – 31 <sup>st</sup> March 2025
Award	1st March 2025



## MANDATORY QUESTIONNAIRE

### A: Organization and Contact Details

<b>Full Name of Organization</b>			
<b>Date of Registration</b>			
<b>Registration Certificate Number</b>			
<b>Street</b>		<b>Road</b>	
<b>Address</b>		<b>Code</b>	
<b>Town</b>			
<b>Email</b>		<b>Telephone No.</b>	
<b>PIN No.</b>			
<b>Name of Parent Company</b>			
<b>Type of Organization</b>	A Public Limited Company		
	A Limited Company		
	A Limited Liability Partnership		
	Other Partnership		
	Sole Trader		
	Other (Please Specify)		

### Name of Owners

<b>Name</b>	<b>ID/Passport No.</b>	<b>Nationality</b>

### DETAILS FOR CONTACT PERSON

Contact details for enquiries about this PQQ/Business Issues

<b>Name of Staff</b>	
<b>Address</b>	
<b>Post Code</b>	
<b>Town</b>	

<b>Phone</b>	
<b>Mobile</b>	
<b>Email</b>	

## 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.

<b>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></b>	<b>Answer</b>
(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.

<b><u>Is any of the following true of your organization?</u></b>	
(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?	
<b><u>Has your organization</u></b>	
(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

<b>1</b>	<b>BANK INFORMATION</b>	
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 &amp; Credit Facility</i>	

#### F Declaration Declaration

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;"><b>FORM COMPLETED BY</b></p>	
2.1	Name:	
2.2	Position:	
2.3	Signature:	
2.4	Date:	

2.5	Stamp:	
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Name of Bidder: \_\_\_\_\_

Authorized signature: \_\_\_\_\_

Name of Authorized signatory: \_\_\_\_\_

Functional Title: \_\_\_\_\_

Telephone Number: \_\_\_\_\_ Email Address: \_\_\_\_\_

Date: \_\_\_/\_\_\_/2025

Official Stamp:

**ANNEX I: B.O.Q-KIPENDI**

	BOQ FOR BOREHOLE REHABILITATION AND SOLARIZATION WORKS AT KIPENDI BH-TANA RIVER COUNTY				
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	<b><u>ALL PROVISIONAL</u></b>				
	<u>The contractor to note that the location of the works is in public learning institution thus the works are to be carried out in such a manner that learning is not disrupted</u>				
	<u>All the works to be done by a specialist taking care of the existing borehole.</u>				
	<u>In case of damage arising from the contractor's negligence, necessary repairs shall be done at the cost of the contractor</u>				
	<u>Contractor's mobilization</u>				
1.1	Mobilization and demolition of contractor's plant and equipment including but not limited to drilling units, tank erection equipment, test pumping equipment, borehole development equipment, materials, personnel and other required supplies.	Item			
1.2	Allow for site clearance and Engineer's inspection to establish the water levels of the borehole	Sum			
	<u>Rehabilitation of borehole</u>				
1.4	Carefully remove the defective/broken down submersible pump and inspect to establish the extent of the damage,	No.	1		

	deliver the damaged pump to IRK TANA RIVER OFFICE				
	<u>Inspection and cleaning of steel pipe casing</u>				
1.5	Carefully inspect the existing steel pipe casing and clean them where necessary as directed by the Engineer	Item			
	<u>De-siltation</u>				
1.6	Allow for de-siltation of the borehole using special equipment to be approved by the Engineer	Item			
	<u>Disposal of Water</u>				
1.7	Carefully dispose off water arising from desiltation and other cleaning works	Item			
	<b>Total carried forward</b>				
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>QTY</b>	<b>RATE</b>	<b>AMOUNT</b>
	<b>Brought forward</b>				
	<u>Submersible Pump</u>				
1.8	Procure, deliver and install submersible pump capable of output of 2 - 5m <sup>3</sup> per hour at 110 - 240H with and including all electrical connections Davis and Shirliff DSD 5/18, 1.5KW and 2.0HP	No.	1		
	<u>Solar panels</u>				
1.10	Procure, deliver and install new 15No solar panels with a capacity 250W as directed by the Engineer ,the cost should be inclusive of the solar structure	No.	15		
	<u>Sunverter</u>				
1.11	Procure, deliver and carefully install approved sunverter as per Dayliff Sunverter 2 or other equal and approved capable of operating the above specified pump with and including all necessary electrical connections	No.	1		
	<u>Float switch</u>				
1.12	Provide and install float switch and other related accessories as directed	No.	1		
1.13	Float switch cable	m	200		
	<u>Piping works with and including connections where not listed herein below</u>				
1.14	63mm diameter HDPE pipe, PN 16	m	800		
1.15	PPR Pipe 25mm diameter, PN 12.5	m	350		
	<b>Total carried forward</b>				
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>QTY</b>	<b>RATE</b>	<b>AMOUNT</b>
	<b>Brought forward</b>				

	<u>HDPE pipe fittings</u>				
1.16	63mm diameter nipple	No.	1		
1.17	Ditto connector	No.	13		
1.18	Reducing socket	No.	1		
1.19	63mm diameter gate valve	No.	1		
1.20	63mm diameter non-return valve	No.	1		
	<u>PPR pipe fittings</u>				
1.21	Taps, pegler lockable taps as directed	No.	3		
1.22	PPR connectors	No.	5		
1.23	T junctions, GI Tee	No.	2		
1.24	Water meter, 1inch	No.	1		
	<u>Maintenance and servicing kit</u>				
	<u>Water testing</u>				
1.26	Collect water samples and carry out full water quality analysis (chemical and bacteriological analysis) in a reputable laboratory acceptable to the Engineer and submit water quality test report.	No.	1		
	<u>Testing and commissioning</u>				
1.27	Provide an amount for the construction of water points for the community at the borehole site and animal water trough at the community point near the kiosk	Sum	1		
	<i>Sub-total 1</i>				
1.28	Add Preliminaries associated with the works inclusive of the Performance Bond, Insurance for the works Etc				
	<i>Sub-total 2</i>				
	Add 16% VAT				
	<b>TOTAL (KSHS)</b>				

		BOQ FOR THE CONSTRUCTION OF A WATER KIOSK AT KIPENDI	UNIT	QTY	RATES	AMOUNT
		<b>BILL NO: CONSTRUCTION OF WATER KIOSK WITH REINFORCED PLATFORM FOR TANK</b>				
		<b>A. <u>SUBSTRUCTURES</u></b>				
		<b>ELEMENT NO. 01-SUBSTRUCTURE</b>				
		<b><u>(ALL PROVISIONAL)</u></b>				
	A	Excavate oversite to remove vegetable soil average 150mm deep;wheel and deposit on site n.e. 100M away in permanent spoils heaps	S M	15		
	B	Ditto but to a depth of 300mm	C M	1.8		
	C	Excavate for pad foundation and strip footing not exceeding 1000 mm deep.	C M	25		
		<b><u>Disposal</u></b>				
	D	Cart away excess excavated material to spoil	C M	10		
		<b><u>Hardcore</u></b>				
	E	250mm thick filling: deposit, spread, level and compact: to receive blinding	C M	3		
	F	50mm murrum blinding to surface of hardcore.	S M	6		
		<b><u>Anti-Termite Treatment</u></b>				
	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	S M	12		
		<b><u>Damp-Proof Membrane</u></b>				
	H	500mm Gauge polythene damp-proof membrane laid on blinded hardcore with 100mm folded side and end laps (measured net-allow for laps)	S M	12		
		<b><u>Plain Concrete 1:4:8 mix in:</u></b>				



	G	50 mm blinding bed under strip footing	C M	6		
		<b><u>Reinforced Concrete 1:2:4- 20mm gauge mix in</u></b>				
	H	150 mm floor slab	S M	12		
	I	300 mm thick Strip Footing	C M	2.16		
	J	600 x150mm thick pavement round the perimeter walling	S M	1.08		
		<b><u>Reinforcement</u></b>				
		<b><u>High Tensile Steel Reinforcement to B.S. 4483</u></b>				
	K	Y12	N O	6		
	L	Y10	N O	4		
	M	Y8	N O	4		
		<b><u>Mesh Fabric Reinforcement to B.S.4483</u></b>				
	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)	S M	17		
		<b><u>MASONRY</u></b>				
	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>	IT E M	1		
	P	<u>200mm walling in Foundation</u>	S M	15		
		<b><u>Hessian Based Bituminous Felt Damp-Proof course to B.S.743 type 4A and setting in cement and sand mortar</u></b>				
	Q	<u>under 200mm walls</u>	L. M	10		
		<b>TOTAL ELEMENT 01</b>				
		<b>DESCRIPTION</b>	<b>U N I T</b>	<b>Q T Y</b>		
	IT E M					
		<b><u>ELEMENT NO-02</u></b>				
		<b><u>CONCRETE WORK AND WALLING</u></b>				
		<b><u>Reinforced Concrete 1:2:4- 20mm gauge mix in</u></b>				
	A	Rings Beams;450x200	C M	0.9		
	B	150mm roof slab and fetching bay	C M	1.8		
		<b><u>Sawn formwork to</u></b>				
	C	sides and soffits of beams	S M	9.7		
	D	Ditto but to sides and of columns	S M	19.2		

	E	Ditto but including props beneath the roof slab and fetching bay	S M	12		
		<b><u>Reinforcement</u></b>				
		<b><u>High Tensile Steel for columns, ring beam and top slab Reinforcement to B.S. 4483</u></b>				
	F	Y16mm Bars	N O	12		
	G	Y10mm Bars	N O	16		
	H	Y12mm Bars	N O	15		
		<b><u>Walling</u></b>				
		<b><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></b>				
	I	200mm walling	S M	25		
		<b>TOTAL ELEMENT 02</b>				
			<b>U N I T</b>	<b>Q T Y</b>	<b>R A T E K S H S</b>	<b>A M O U N T K S H S</b>
	<b>IT E M</b>	<b>DESCRIPTION</b>				
		<b><u>ELEMENT NO-03</u></b>				
		<b><u>DISPOSAL</u></b>				
	A	Plastic downpipes;75mm diameter	L. M	6		
	B	10,000 litres plastic Kentank tank or equivalent and approved by IRK engineer and fully branded with IRK LOGO as directed	No	1		
		<b>TOTAL ELEMENT 03</b>				
			<b>U N I T</b>	<b>Q T Y</b>	<b>R A T E K S H S</b>	<b>A M O U N T K S H S</b>
	<b>IT E M</b>	<b>DESCRIPTION</b>				
		<b>ELEMENT NO. 04</b>				
		<b><u>FINISHINGS</u></b>				
		<b><u>Cement and Sand (1:4) Screed and Paving</u></b>				
		<b><u>FLOOR FINISHES</u></b>				
		<b><u>Cement and sand (1:4) paving: steel trowelled: on concrete</u></b>				
	A	.40mm thick floors to receive tiles	S M	10		
	B	Tiling on the floor including water fetching area upto the bay deck as approved by RE	S M	20		

		<b><u>12mm Two Coats Lime Plaster with stel Trowel Finished to:</u></b>				
	C	Internal walls and slab soffit	S M	35		
	D	Extenal walls including keying	S M	10		
		<b>TOTAL ELEMENT 04</b>				
			<b>U N I T</b>	<b>Q T Y</b>	<b>RA TE K S H S</b>	<b>AMOUN T K S H S</b>
	<b>IT E M</b>	<b>DESCRIPTION</b>				
		<b>ELEMENT NO. 5</b>				
		<b>DOORS</b>				
		<b><u>Steel Door</u></b>				
	A	Standard single leaf steel door to the satisfaction of the RE	N O.	1		
		<b>TOTAL ELEMENT 05</b>				
			<b>U N I T</b>	<b>Q T Y</b>	<b>RA TE K S H S</b>	<b>AMOUN T K S H S</b>
	<b>IT E M</b>	<b>DESCRIPTION</b>				
		<b>ELEMENT NO.6</b>				
		<b>WINDOWS</b>				
	A	2000x1200mm double leaf steel window as directed by RE	N O	1		
		<b>TOTAL ELEMENT 06</b>				
			<b>U N I T</b>	<b>Q T Y</b>	<b>RA TE K S H S</b>	<b>AMOUN T K S H S</b>
	<b>IT E M</b>	<b>DESCRIPTION</b>				
		<b>ELEMENT NO.07</b>				
		<b><u>PAINTING AND DECORATING</u></b>				
		<b><u>Prepare and apply three coats plastic emulsion paint to:</u></b>				
		<b><u>Internally</u></b>				
	A.	Plastered walls	S M	45		
	B	Ditto but to the doors and window surfaces as Directed by RE	S M	10		
		<b>TOTAL ELEMENT 07</b>				

IT E M	DESCRIPTION	U N I T	QT Y	RA TE K S H S	AMOUN T
	ELEMENT NO.08				
	<b>PLUMBING WORKS</b>				KSHS
A	32mm thick floors screed	S M	11.6		
	<b>Plumbing (Supply and fix the following)</b>				
B	¾" GI pipe	No .	1		
C	¾" Gate Valve (Pegler)	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 (Pegler)	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		
	<b>TOTAL ELEMENT 08</b>				
	SUMMARY				<b>AMOUN T</b>
	ELEMENT NO.				KSHS
	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				
		<b>SUB TOTAL</b>				
		<b>TOTAL CARRIED TO SUMMARY</b>				

						<b>KSHS</b>
		<b><u>FENCING -KIPENDI</u></b>				
A.		<b>Clearing the site of bushes/trees</b>	SM	700		
B		Excavate for fencing poles bases from existing ground level and not exceeding 1.50m deep.(225 x 225x500mm deep holes)	NO.	38		
		<b><u>Concrete Work</u></b>				
		<b><u>Mass concrete 1:4: 8-</u></b>				
C		50 mm blinding bed under holes for fencing posts	CM	0.2		
		<b><u>Reinforced Concrete 1:2:4- 20mm gauge mix in</u></b>				
D		225x225x450 Bases for Angle columns sections	CM	1.5		
		<b><u>MILD STEEL TO B.S. 449</u></b>				
		<b><u>Structural steel welded &amp; Bolted joints</u></b>				
E		75x75x4.5mm Angle column section (Length 2350mm spaced at 3 m c/c)	NO	48		
G		75x75x5.0mm angle section for bracing at corners and at every 30m span (Length 3600mm )	NO	12		
		<b><u>GATE</u></b>				
K		Excavate for sides columns poles bases from existing ground level and not exceeding 1.50m deep.(225 x 225x500mm deep holes)	NO.	4		
		<b><u>Concrete Work</u></b>				
		<b><u>Mass concrete 1:4: 8-</u></b>				
M		50 mm blinding bed under holes for fencing posts	CM	0.1		
N		<b><u>Reinforced Concrete 1:2:4- 20mm gauge mix in</u></b>				

	225x225x450 Bases for SHS columns	CM	0.1		
	<b><u>MILD STEEL TO B.S. 449</u></b>				
	<b>Structural steel welded &amp; Bolted joints</b>				
O	100x100x4.0mm SHS column (Length 2000mm)	NO.	3		
P	75x75x3.0mm SHS	LM	28.5		
Q	50x50x3.0mm SHS	LM	21		
	<b><u>FENCING WIRE</u></b>				
	Barbed wire				
R	Supply and fix Ngombe Double strand Barbed wire 610mtrs, around the perimeter; or equivalent	NO	2		
	<b><u>CHAIN LINK</u></b>				
S	Supply and fix 3.0mm chain link twisted 3 times at the ends	SM	220		
R	Bind the chain with a binding wire	ITEM	2		
	<b>Total carried to summary</b>				

**BOQS-MAKERE**

	BOQ FOR BOREHOLE REHABILITATION AND SOLARIZATION WORKS AT MAKERE BH-TANA RIVER COUNTY				
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS)
	<b><u>ALL PROVISIONAL</u></b>				
	<u>The contractor to note that the location of the works is in public learning institution thus the works are to be carried out in such a manner that learning is not disrupted.</u>				
	<u>All the works to be done by a specialist taking care of the existing borehole.</u>				
	<u>In case of damage arising from the contractor's negligence, necessary repairs shall be done at the cost of the contractor.</u>				
	<u>Contractor's mobilization</u>				
1.1	Mobilization and demolition of contractor's plant and equipment including but not limited to drilling units, tank erection equipment, test pumping equipment, borehole development equipment, materials, personnel and other required supplies.	Item			
1.2	Allow for site clearance and Engineer's inspection to establish the water levels of the borehole	Sum			
	<u>Rehabilitation of borehole</u>				

1.4	Carefully remove the defective/broken down submersible pump and inspect to establish the extent of the damage, deliver the damaged pump to IRK TANA RIVER OFFICE	No.	1		
	<u>Inspection and cleaning of steel pipe casing</u>				
1.5	Carefully inspect the existing steel pipe casing and clean them where necessary as directed by the Engineer	Item	1		
	<u>De-siltation</u>				
1.6	Allow for de-siltation of the borehole using special equipment to be approved by the Engineer	Item	1		
	<u>Disposal of Water</u>				
1.7	Carefully dispose off water arising from desiltation and other cleaning works	Item	1		
	<i>Total carried forward</i>				
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>QTY</b>	<b>RATE</b>	<b>AMOUNT</b>
	<b>Brought forward</b>				
	<u>Submersible Pump</u>				
1.8	Procure, deliver and install submersible pump capable of output of 2 - 5m <sup>3</sup> per hour at 110 - 240H with and including all electrical connections Davis and Shirliff DSD 5/18, 1.5KW and 2.0HP	No.	1		
	<u>Solar panels</u>				
1.10	Procure, deliver and install new 15No solar panels with a capacity 250W as directed by the Engineer ,the cost should be inclusive of the solar structure	No.	15		
	<u>Sunverter</u>				
1.11	Procure, deliver and carefully install approved sunverter as per Dayliff Sunverter 2 or other equal and approved capable of operating the above specified pump with and including all necessary electrical connections	No.	1		
	<u>Float switch</u>				
1.12	Provide and install float switch and other related accessories as directed	No.	1		
1.13	Float switch cable	m	200		
	<u>Piping works with and including connections where not listed herein below</u>				
1.14	63mm diameter HDPE pipe, PN 16	m	800		
1.15	PPR Pipe 25mm diameter, PN 12.5	m	350		



ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<i>Total carried forward</i>				
	<b>Brought forward</b>				
	<u>HDPE pipe fittings</u>				
1.16	63mm diameter nipple	No.	1		
1.17	Ditto connector	No.	13		
1.18	Reducing socket	No.	1		
1.19	63mm diameter gate valve	No.	1		
1.20	63mm diameter non-return valve	No.	1		
	<u>PPR pipe fittings</u>				
1.21	Taps, pegler lockable taps as directed	No.	3		
1.22	PPR connectors	No.	5		
1.23	T junctions, GI Tee	No.	2		
1.24	Water meter, 1inch	No.	1		
	<u>Maintenance and servicing kit</u>				
	<u>Water testing</u>				
1.26	Collect water samples and carry out full water quality analysis (chemical and bacteriological analysis) in a reputable laboratory acceptable to the Engineer and submit water quality test report.	No.	1		
	<u>Testing and commissioning</u>				
1.27	Provide an amount for the construction of water points for the community at the borehole site and animal water trough at the community point near the kiosk	Sum	1		
	<i>Sub-total 1</i>				
1.28	Add Preliminaries associated with the works inclusive of the Performance Bond, Insurance for the works Etc				
	<i>Sub-total 2</i>				
	Add 16% VAT				
	<b>TOTAL (KSHS)</b>				

		U N I T	Q T Y	RAT E KSH S	AMOUN T
	BOQ FOR THE CONSTRUCTION OF A WATER KIOSK AT MAKERE				
	<b>BILL NO: CONSTRUCTION OF WATER KIOSK WITH REINFORCED PLATFORM FOR TANK</b>				
	<b>A. <u>SUBSTRUCTURES</u></b>				
	<b>ELEMENT NO. 01-SUBSTRUCTURE</b>				
	<b><u>(ALL PROVISIONAL)</u></b>				

A	Excavate oversite to remove vegetable soil average 150mm deep;wheel and deposit on site n.e. 100M away in permanent spoils heaps	S M	20		
B	Ditto but to a depth of 300mm	C M	1. 8		
C	Excavate for pad foundation and strip footing not exceeding 1000 mm deep.	C M	25		
	<b><u>Disposal</u></b>				
D	Cart away excess excavated material to spoil	C M	10		
	<b><u>Hardcore</u></b>				
E	250mm thick filling: deposit, spread, level and compact: to receive blinding	C M	3		
F	50mm murrum blinding to surface of hardcore.	S M	6		
	<b><u>Anti-Termite Treatment</u></b>				
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	S M	12		
	<b><u>Damp-Proof Membrane</u></b>				
H	500mm Gauge polythene damp-proof membrane laid on blinded hardcore with 100mm folded side and end laps (measured net-allow for laps)	S M	12		
	<b><u>Plain Concrete 1:4:8 mix in:</u></b>				
G	50 mm blinding bed under strip footing	C M	6		
	<b><u>Reinforced Concrete 1:2:4- 20mm gauge mix in</u></b>				
H	150 mm floor slab	S M	12		
I	300 mm thick Strip Footing	C M	2. 16		
J	600 x150mm thick pavement round the perimeter walling	S M	1. 08		
	<b><u>Reinforcement</u></b>				
	<b><u>High Tensile Steel Reinforcement to B.S. 4483</u></b>				
K	Y12	N O	6		
L	Y10	N O	4		
M	Y8	N O	4		
	<b><u>Mesh Fabric Reinforcement to B.S.4483</u></b>				
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)	S M	17		
	<b><u>MASONRY</u></b>				
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>	S M	15		
		<b><u>Hessian Based Bituminous Felt Damp-Proof course to B.S.743 type 4A and setting in cement and sand mortar</u></b>				
	Q	<u>under 200mm walls</u>	L. M	10		
		<b>TOTAL ELEMENT 01</b>				
		<b>DESCRIPTION</b>	<b>U N I T</b>	<b>Q T Y</b>		
	IT E M					
		<b><u>ELEMENT NO-02</u></b>				
		<b><u>CONCRETE WORK AND WALLING</u></b>				
		<b><u>Reinforced Concrete 1:2:4- 20mm gauge mix in</u></b>				
	A	Rings Beams;450x200	C M	0. 9		
	B	150mm roof slab and fetching bay	C M	1. 8		
		<b><u>Sawn formwork to</u></b>				
	C	sides and soffits of beams	S M	9. 7		
	D	Ditto but to sides and of columns	S M	19 .2		
	E	Ditto but including props beneath the roof slab and fetching bay	S M	12		
		<b><u>Reinforcement</u></b>				
		<b><u>High Tensile Steel for columns, ring beam and top slab Reinforcement to B.S. 4483</u></b>				
	F	Y16mm Bars	N O	12		
	G	Y10mm Bars	N O	16		
	H	Y12mm Bars	N O	15		
		<b><u>Walling</u></b>				
		<b><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></b>				
	I	200mm walling	S M	25		
		<b>TOTAL ELEMENT 02</b>				
			<b>U N I T</b>	<b>Q T Y</b>	<b>RAT E KSH S</b>	<b>AMOUN T KSHS</b>
	IT E M	<b>DESCRIPTION</b>				
		<b><u>ELEMENT NO-03</u></b>				

		<b><u>DISPOSAL</u></b>				
A		Plastic downpipes;75mm diameter	L. M	6		
B		10,000 litres plastic Kentank tank or equivalent and approved by IRK engineer and fully branded with IRK LOGO as directed	No	1		
		<b>TOTAL ELEMENT 03</b>				
			<b>U N I T</b>	<b>Q T Y</b>	<b>RAT E KSH S</b>	<b>AMOUN T KSHS</b>
<b>IT E M</b>		<b>DESCRIPTION</b>				
		<b>ELEMENT NO. 04</b>				
		<b><u>FINISHINGS</u></b>				
		<b><u>Cement and Sand (1:4) Screed and Paving</u></b>				
		<b><u>FLOOR FINISHES</u></b>				
		<b><u>Cement and sand (1:4) paving: steel trowelled: on concrete</u></b>				
A		.40mm thick floors to receive tiles	S M	10		
B		Tiling on the floor including water fetching area upto the bay deck as approved by RE	S M	20		
		<b><u>12mm Two Coats Lime Plaster with stel Trowel Finished to:</u></b>				
C		Internal walls and slab soffit	S M	35		
D		Extenal walls including keying	S M	10		
		<b>TOTAL ELEMENT 04</b>				
			<b>U N I T</b>	<b>Q T Y</b>	<b>RAT E KSH S</b>	<b>AMOUN T KSHS</b>
<b>IT E M</b>		<b>DESCRIPTION</b>				
		<b>ELEMENT NO. 5</b>				
		<b>DOORS</b>				
		<b><u>Steel Door</u></b>				
A		Standard single leaf steel door to the satisfaction of the RE	N O.	1		
		<b>TOTAL ELEMENT 05</b>				
			<b>U N I T</b>	<b>Q T Y</b>	<b>RAT E KSH S</b>	<b>AMOUN T KSHS</b>
<b>IT E M</b>		<b>DESCRIPTION</b>				
		<b>ELEMENT NO.6</b>				
		<b>WINDOWS</b>				
A		2000x1200mm double leaf steel window as directed by RE	N O	1		

<b>TOTAL ELEMENT 06</b>						
			<b>U N I T</b>	<b>Q T Y</b>	<b>RAT E KSH S</b>	<b>AMOUN T KSHS</b>
<b>IT E M</b>	<b>DESCRIPTION</b>					
	ELEMENT NO.07					
	<b><u>PAINTING AND DECORATING</u></b>					
	<b><u>Prepare and apply three coats plastic emulsion paint to:</u></b>					
	<b><u>Internally</u></b>					
A.	Plastered walls		S M	45		
B	Ditto but to the doors and window surfaces as Directed by RE		S M	10		
	<b>TOTAL ELEMENT 07</b>					
<b>IT E M</b>	<b>DESCRIPTION</b>		<b>U N I T</b>	<b>Q T Y</b>	<b>RAT E KSH S</b>	<b>AMOUN T KSHS</b>
	ELEMENT NO.08					
	<b>PLUMBING WORKS</b>					
A	32mm thick floors screed		S M	11 .6		
	<b>Plumbing (Supply and fix the following)</b>					
B	¾” GI pipe		No .	1		
C	¾” Gate Valve (Pegler)		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 (Pegler)		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		

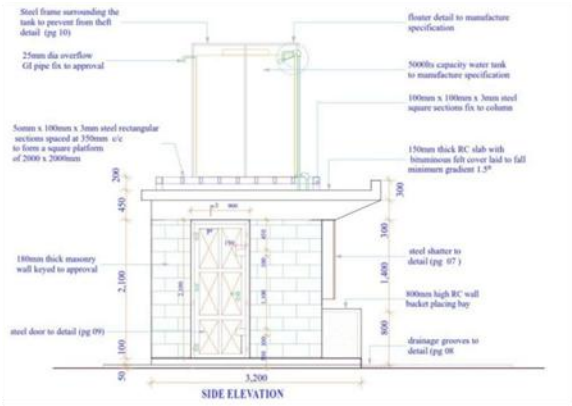
O	Reducing socket 2" x 3/4" PVC	No	2		
P	Ditto 1 1/2" x 3/4"	No	2		
Q	PVC Adapter 3/4"	No	2		
	<b>TOTAL ELEMENT 08</b>				
	SUMMARY				<b>AMOUNT</b>
	ELEMENT NO.				<b>KSHS</b>
	1. SUBSTRUCTURE				
	2. CONCRETE WORK AND WALLING				
	3. ROOFING AND RAINWATER DISPOSAL				
	4. FINISHING				
	5. DOORS				
	6. WINDOWS				
	7. PAINTING AND DECORATION				
	8. PLUMBING WORKS				
	<b>SUB TOTAL</b>				
	<b>TOTAL CARRIED TO SUMMARY</b>				

					<b>KSHS</b>
	<b><u>FENCING -MAKERE</u></b>				
	-				
A.	<b>Clearing the site of bushes/trees</b>	SM	400		
B	Excavate for fencing poles bases from existing ground level and not exceeding 1.50m deep.(225 x 225x500mm deep holes)	NO.	38		
	<b><u>Concrete Work</u></b>				
	<b><u>Mass concrete 1:4: 8-</u></b>				
C	50 mm blinding bed under holes for fencing posts	CM	0.2		
	<b><u>Reinforced Concrete 1:2:4- 20mm gauge mix in</u></b>				
D	225x225x450 Bases for Angle columns sections	CM	1.5		
	<b><u>MILD STEEL TO B.S. 449</u></b>				
	<b><u>Structural steel welded &amp; Bolted joints</u></b>				
E	75x75x4.5mm Angle column section (Length 2350mm spaced at 3 m c/c)	NO	48		
G	75x75x5.0mm angle section for bracing at corners and at every 30m span (Length 3600mm )	NO	12		
	<b><u>GATE</u></b>				
K	Excavate for sides columns poles bases from existing ground level and not exceeding 1.50m deep.(225 x 225x500mm deep holes)	NO.	4		

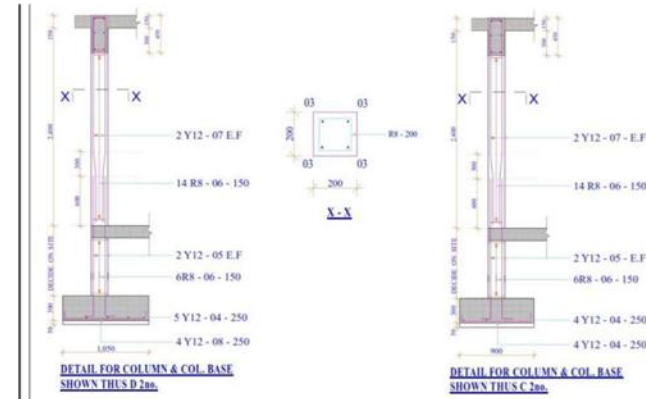
	<b><u>Concrete Work</u></b>				
	<b><u>Mass concrete 1:4: 8-</u></b>				
M	50 mm blinding bed under holes for fencing posts	CM	0.1		
N	<b><u>Reinforced Concrete 1:2:4- 20mm gauge mix in</u></b>				
	225x225x450 Bases for SHS columns	CM	0.1		
	<b><u>MILD STEEL TO B.S. 449</u></b>				
	<b><u>Structural steel welded &amp; Bolted joints</u></b>				
O	100x100x4.0mm SHS column (Length 2000mm)	NO.	3		
P	75x75x3.0mm SHS	LM	28.5		
Q	50x50x3.0mm SHS	LM	21		
	<b><u>FENCING WIRE</u></b>				
	Barbed wire				
R	Supply and fix Ngombe Double strand Barbed wire 610mtrs, around the perimeter; or equivalent	NO	2		
	<b><u>CHAIN LINK</u></b>				
S	Supply and fix 3.0mm chain link twisted 3 times at the ends	SM	220		
R	Bind the chain with a binding wire	ITEM	2		
	<b>Total carried to summary</b>				

## **ANNEX II: DRAWINGS**

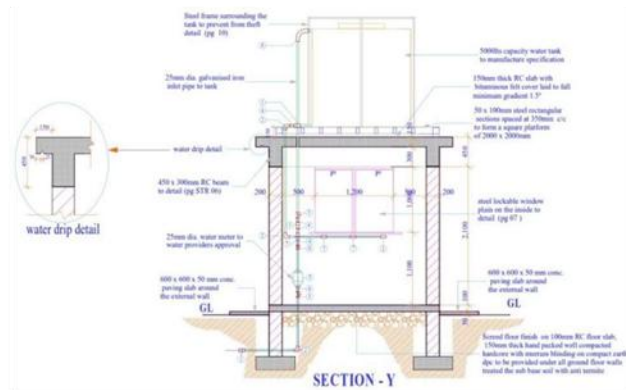




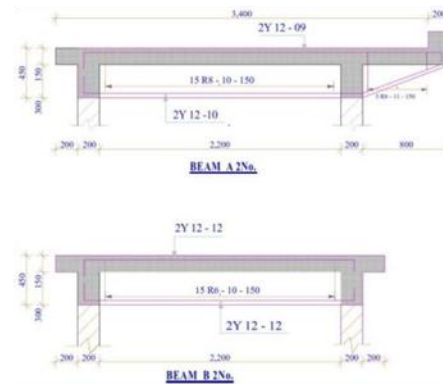
1:1 SIDE ELEVATION 001



1:1 COLUMN DETAILS



1:1 SECTION Y-Y



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 50mm 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 ducts/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.
- A hand ground feet and waste drain pipes shall be agree to comply with Bs 5255.
- A inspection chamber cover and framing shall be cast in 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.

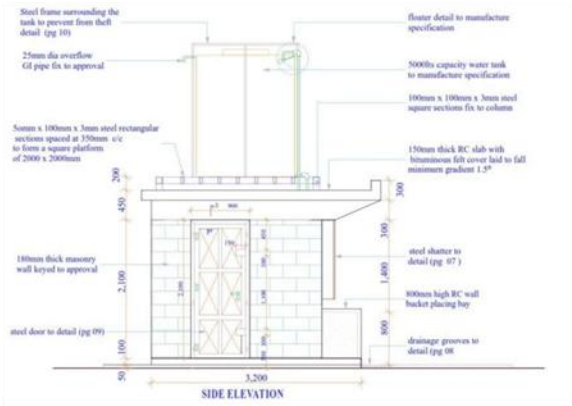
prefix	description	date

**ISLAMIC RELIEF**

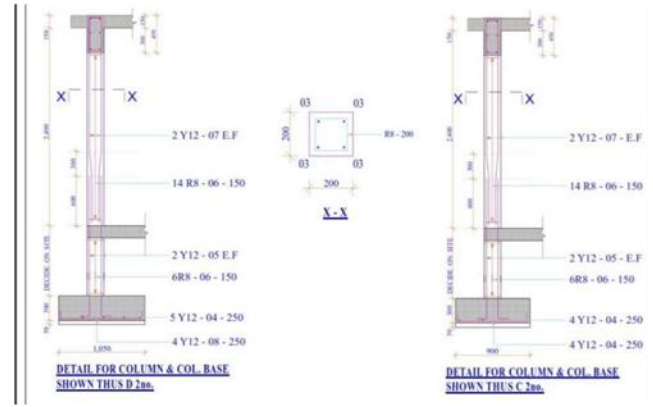
PROJECT TITLE	PROPOSED TYPICAL WATER KIOSK AT 5 WATER TAPS - DUBLIN 15
DRAWING TITLE	WORKING DRAWINGS
DATE	07/03/2024
Scale	As shown
Drawn by	DR. ANS
Checked by	DR. ANS



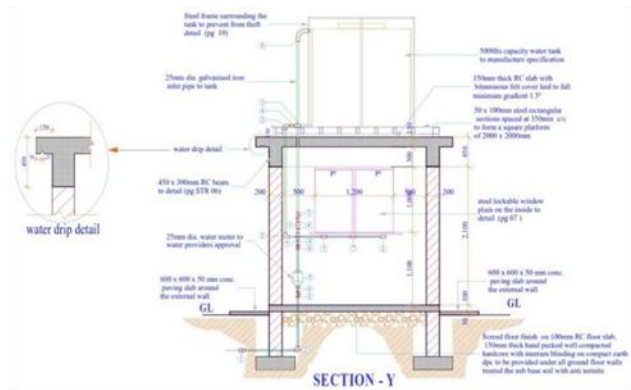




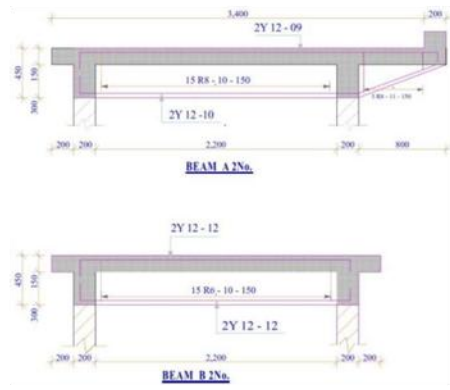
1:1 SIDE ELEVATION 001



1:1 COLUMN DETAILS



1:1 SECTION Y-Y



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 50mm thick minimum bedding 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 ducts/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 feet and waste drain pipes shall be agree 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/ISSUED BY: **ISLAMIC RELIEF**

PROJECT TITLE: **PROPOSED TYPICAL WATER KIOSK AT 5 WATER TAPS - DUBLIN 15**

DRAWING TITLE: **WORKING DRAWINGS**

DATE: APRIL 2024 Scale: As shown

Drawn by: **EV 006** Checked by: **EV 006**