



THE LUTHERAN WORLD FEDERATION

Somalia Area Program

Lutheran World Federation is seeking bids for the:

CONSTRUCTION OF COMMUNITY BASED REHABILITATION CENTRE (CBRC) AT WABERI, DHOBLEY, JUBALAND STATE OF SOMALIA.

S.NO	DESCRIPTION
1	CONSTRUCTION OF MAIN BUILDING
2	CONSTRUCTION OF STORE, COMMUNITY HALL GUARD HOUSE
3	CONSTRUCTION OF SEVEN PIT LATRINE
4	CONNECTION OF WATER SYSTEM, DRAINAGE
5	CONSTRUCTION OF FENCING WALL
6	CONSTRUCTION OF SHADE AREA

KISMAYO, SOMALIA:

JUNE 27th 2023

A. INVITATION TO TENDER

Lutheran World Federation (LWF) invites tenders from approved and reputable building works Contractors for the above work.

A. INSTRUCTIONS TO TENDERERS.

1. General

1.1 Tenderers shall include the following information and documents with their Tenders, unless otherwise stated:

- (a) Copies of Valid certificates of registration/incorporation from Public works and Housing
- (b) Valid Certificate from Ministry of Trade and Commerce
- (c) Tax compliance Certificate
- (d) Security Clearance – JISA
- (e) Dully filled, signed and stamped business questionnaire
- (f) Dully filled, signed and stamped Form of Tender

1.2 The Tenderer shall bear all costs associated with the preparation and submission of his/hertender and LWF will in no case be responsible or liable for those costs.

1.3 The Tenderer, at the Tenderer's own responsibility and risk, is encouraged to visit and examine the site of the works and its surroundings, and obtain all information that may be necessary for preparing the tender and entering into a contract for construction of the Works. The costs of visiting the Site shall be at the Tenderer's own expense.

1.4 The procurement entity's employees, committee members, board members and their relative (spouse and children) are not eligible to participate in the tender.

2. Tender Documents

2.1 The complete set of tender documents comprises the documents listed here below: -

- (a) These instructions to Tenderers
- (b) Form of Tender
- (c) Bills of Quantities/Schedule of Rates (whichever is applicable)
- (d) Other materials required to be filled and submitted in accordance with these Instructions and Conditions

- 2.2 The Tenderer shall examine all instructions, forms and specifications in the tender documents. Failure to furnish all information required by the tender documents may result in rejection of his/hertender.
 - 2.3 Prospective Tenderers making inquiries of the tendering documents may notify LWF in writing via email (procurement.kismayo@lutheranworld.org) at least a week before the closure of the tender. The LWF will respond to any request for clarification received earlier than five [5] days prior to the deadline for submission of tenders. Copies of LWF's response will be forwarded to all persons issued with tendering documents, including a description of the inquiry, but without identifying its source.
 - 2.4 Before the deadline for submission of tenders, LWF may modify the tendering documents by issuing addenda. Any addendum thus issued shall be part of the tendering documents and shall be communicated in writing to all Tenderers. Prospective Tenderers shall acknowledge receipt of each addendum in writing to LWF.
3. Preparation of Tenders
- 3.1 All documents relating to the tender and any correspondence shall be in English language.
 - 3.2 The tender submitted by the Tenderer shall comprise the following: -
 - (a) The Tender;
 - (b) Priced Bill of Quantities/Schedule of Rates for lump-sum Contracts
 - (c) Any other materials required to be completed and submitted by Tenderers.
 - 3.3 The Tenderer shall fill in rates and prices for all items of the Works described in the Bill of Quantities/Schedule of Rates. Items for which no rate or price is entered by the Tenderer will not be paid for when executed and shall be deemed covered by the other rates and prices in the Bill of Quantities/Schedule of Rates.
 - 3.4 The rates and prices quoted by the Tenderer shall not be subject to any adjustment during the performance of the Contract.
 - 3.5 The unit rates and prices shall be in USD.
 - 3.6 The Tenderer shall prepare one original of the documents comprising the tender documents as described in these Instructions to Tenderers.
 - 3.7 The original shall be typed or written in indelible ink and shall be signed by a person or persons duly authorized to sign on behalf of the Tenderer. The person or persons signing the tender shall initial all pages of the tender where alterations or additions have been made.
 - 3.8 Clarification of tenders shall be requested by the tenderer to be received by the procuring entity not later than 5 days prior to the deadline for submission of tenders.
 - 3.9 The procuring entity shall reply to any clarifications sought by the tenderer within 3 days of receiving the request to enable the tenderer to make timely submission of its tender.
4. Submission of Tenders
1. The tender shall be duly filled and Submitted by Email to procurement.kismayo@lutheranworld.org with the Subject **“Construction of CBRC, Dhobley’ Somalia”**
 - 4.1 Tenders shall be submitted to procurement.kismayo@lutheranworld.org address specified above not later than the time and date specified in the invitation to tender.
5. Tender Opening and Evaluation
- 5.1 The tenders will be opened immediately after the closure of the bid by the tender opening committee. Tenderers are not expected to attend the opening and evaluation.

- 5.2 The Tenderers' names, the total amount of each tender and such other details as may be considered appropriate, will be announced at the opening by The Authority. Minutes of the tender opening, including the information disclosed to those present will also be prepared by LWF's procurement officer.
- 5.3 Information relating to the examination, clarification, evaluation and comparison of tenders and recommendations for the award of the Contract shall not be disclosed to Tenderers or any other persons not officially concerned with such process until the award to the successful Tenderer has been announced. Any effort by a Tenderer to influence LWF's officials, processing of tenders or award decisions may result in the rejection of his tender.
- 5.4 Tenders determined to be substantially responsive will be checked for any arithmetic errors. Errors will be corrected as follows:
- (a) where there is a discrepancy between the amount in figures and the amount in words, the amount in words will prevail; and
 - (b) where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by the quantity, the unit rate as quoted will prevail, unless in the opinion of LWF's representative, there is an obvious typographical error, in which case the adjustment will be made to the entry containing that error.
 - (c) In the event of a discrepancy between the tender amount as stated in the Form of Tender and the corrected tender figure in the main summary of the Bill of Quantities/Quotation, the amount as stated in the Form of Tender shall prevail. The Error Correction Factor shall be computed by expressing the difference between the tender amount and the corrected tender sum as a percentage of the Corrected Builder's Work (i.e. corrected tender sum less P.C. and Provisional Sums).
 - (e) The Error Correction Factor shall be applied to all Builders' Work (as a rebate or addition as the case may be) for the purposes of valuations for Interim Certificates and valuation of variations.
 - (f) The amount stated in the tender will be adjusted in accordance with the above procedure for the correction of errors and with concurrence of the Tenderer, shall be considered as binding upon the Tenderer. If the Tenderer does not accept the corrected amount, the tender may be rejected and the Tender Security forfeited.
- 5.5 The tender evaluation committee shall evaluate the tender within 14 days of the validity period from the date of opening the tender.
- 5.7 Where contract price variation is allowed, the valuation shall not exceed 15% of the original contract price.
- 5.8 Price variation requests shall be processed by the procuring entity within 30 days of receiving the request.
- 5.9 Preference where allowed in the evaluation of tenders shall not exceed 15%
- 5.10 To assist in the examination, evaluation, and comparison of tenders, LWF at its discretion, may request [in writing] any Tenderer for clarification of the tender, including breakdowns of unit rates. The request for clarification and the response shall be via email but no change in the tender price or substance of the tender shall be sought, offered or permitted.
- 5.7 The Tenderer shall not influence LWF on any matter relating to the tender from the time of the tender opening to the time the Contract is awarded. Any effort by the Tenderer to influence LWF or his employees in his decision on tender evaluation, tender comparison or Contract award may result in the rejection of the tender.

6. Award of Contract

- 6.1 The award of the Contract will be made to the Tenderer who has offered the best evaluated tender price.
- 6.2 Notwithstanding the provisions of clause 6.1 above, LWF reserves the right to accept or reject any tender and to cancel the tendering process and reject all tenders at any time prior to the award of Contract without thereby incurring any liability to the affected Tenderer or Tenderers or any obligation to inform the affected Tenderer or Tenderers of the grounds for the action.
- 6.3 The Tenderer whose tender has been accepted will be contacted via phone and email and enter into written contract.
- 6.4 The procuring entity may at any time terminate procurement proceedings before contract award and shall not be liable to any person for the termination.
- 6.5 The procuring entity shall give prompt notice of the termination to the tenderers and on request give its reasons for termination within 7 days of receiving the request from any tenderer.

7. Corrupt and fraudulent practices

- 7.1 The procuring entity requires that the tenderer observes the highest standard of ethics during the procurement process and execution of the contract. A tenderer shall sign a declaration that he has not and will not be involved in corrupt and fraudulent practices.
- 7.2 The procuring entity will reject a tender if it determines that the tenderer recommended for award has engaged in corrupt and fraudulent practices in competing for the contract in question.
- 7.3 Further a tenderer who is found to have indulged in corrupt and Fraudulent practices, risks being debarred from participating in LWF procurement

B. EVALUATION

i) Evaluation Criteria

The tender document submitted will be evaluated in three (3) stages; - General Mandatory, Technical Capacity and Financial. The evaluation process will be in stages as follows: -

1. General Mandatory – Pass/Fail
2. Technical Capacity Evaluation – Pass mark of 60%
3. Financial – Lowest Cost Evaluated bidder

ii) Mandatory Evaluation

The bids shall undergo a general pre-qualification process in order to determine bid compliance to the following mandatory requirements. Tenderers are required to comply to the following requirements, failure to which the firm shall not proceed with the next stage of evaluation:-

NO.	REQUIREMENTS	Pass	Fail
M1	Valid Certificate of Registration/Incorporation from Public works and Housing		
M2	Valid Tax Compliance Certificate		
M3	Valid certificate from Ministry of trade and Commerce		
M4	Security Clearance - JISA		
M5	Dully filled, signed and stamped business questionnaire		
M6	Dully filled, signed and stamped Form of Tender		

Failure to submit any of the above-mentioned documentation, will lead to disqualification of the firm at the mandatory stage. The bidders that will meet all the mandatory requirements above will qualify to proceed to technical evaluation stage.

iii) Technical Evaluation

Bidder (s) are required to attain minimum of 60% score in the technical requirements, failure to which the firm shall not proceed to the next stage of financial evaluation stage.

iv) Financial Evaluation

The bids that qualify at the Technical Capacity evaluation stage will be subjected to financial evaluation to determine the winner. The lowest evaluated bidder will be considered for award of tender.

The score for the Financial Evaluation is 40%.

ITEMS REQUIRED	DETAILS OF ATTACHMENT REQUIRED	
A: TECHNICAL EVALUATION		100% = (60%)
1) PAST EXPERIENCE 30%	Signed completion certificates. (LWF will confirm the eligibility of the certificates)	30%
2) PERSONNEL 20%	Name, Title and Qualification of Supervisor with construction certificate	6%
	Name, Title and Qualification of foreman with construction certificate	6%
	Copies of CV, 2 certificates from institution	8%
3) BANK ACCOUNT 15%	5 months Authenticated bank statement	15%
4) PLANT & EQUIPMENT 25%	Name 5 relevant Equipment	5%
	Proof of each (Log book, receipt, or Lease)	20%
5) TIME COMMITMENT (10%)	Work plan	10%
		Total: 100%
B: FINANCIAL EVALUATION: Priced BoQ		40%

FORM OF TENDER

TO: _____ [Name of Employer) _____ [Date]
_____ [Name of Contract]

Dear Sir/Madam

- 1. In accordance with the Conditions of Contract and Bills of Quantities for the execution of the above-named Works, we, the undersigned offer to construct, install and complete such Works and remedy any defects therein for the sum of USD.

_____ [Amount in figures]

US Dollars _____ [Amount in words]

- 2. We undertake, if our tender is accepted, to commence the Works as soon as is reasonably possible after the receipt of the Project Manager’s notice to commence, and to complete the whole of the Works comprised in the Contract within the time stated in the Appendix to Conditions of Contract.
- 3. We agree to abide by this tender until _____ [Insert date], and it shall remain binding upon us and may be accepted at any time before that date.
- 4. Unless and until a formal Agreement is prepared and executed this tender together with your written acceptance thereof, shall constitute a binding Contract between us.
- 5. We understand that you are not bound to accept the lowest or any tender you may receive.

Dated this _____ day of _____ 2023

Signature _____ in the capacity of _____

Duly authorized to sign tenders for and on behalf of
_____ [Name of Employer]
of _____ [Address of Employer]

Witness; Name _____
Address _____
Signature _____
Date _____

TENDER QUESTIONNAIRE

Please fill in block letters.

- 1. Full names of tenderer
.....
- 2. Full address of tenderer to which tender correspondence is to be sent (unless an agent has been appointed below)
.....
- 3. Telephone number (s) of tenderer
.....
- 4. Email address of tenderer
.....
- 5. Name of tenderer's representative to be contacted on matters of the tender during the tender period
.....

Signature of Tenderer



THE
LUTHERAN
WORLD
FEDERATION

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für die Welt

LUTHERAN WORLD FEDERATION
Somalia Area Program

Bills of Quantities

for the

CONSTRUCTION OF COMMUNITY BASED
REHABILITATION CENTRE (CBRC) IN DHOBLEY,
SOMALIA.



LOCATION:
Dhobley, Somalia.

SUBMISSION

DEADLINE.:

24TH JULY 2023 1700HRS

BOQ FOR CONSTRUCTION OF CBRC - DHOBLEY

1 MAIN BUILDING					
	Project: EDUCATION (6111-09-4851-155-4950-2582) B/Note 7	DF 5676:			
S.No	Item Description	Units	Qty	Unit Rate (USD)	Total Amount (USD)
A) SITE CLEARANCE					
1	Clear the site from debris, Scrap Metals,trees and loose materials,garbages & levelling all over the yard and clear from the garbages after finishing works.as approved by an Engineer	Sqm	300.00		
B) CONSTRUCTION OF THE CBRC MAIN BUILDING					
1) FOUNDATION WORKS					
1.1	Foundation trench excavations dug with manpower using hand tools 60cm wide and 100cm deep.as approved by an Engineer	Cum	40.32		
1.2	Provide and Lay at the bottom of excavated trenches 50mm of blinding PCC.As approved by an Engineer	Cum	2.52		
1.3	Provide and Construct 40 cm foundation stone wall. all joints between stones should be filled with 1:4 cement/sand mortar including refilling of foundation trenches. Minimum height of the foundation wall from the Ground level is 40cm.as approved by an Engineer	Cum	60.48		
1.4	Provide and Fill in 50 cm thick well compacted hardcore.as approved by an Engineer	Cum	60.00		
2) FLOOR CONSTRUCTION					
2.1	Provide and Construct RCC Foundation level ring beam (40x20) cm 1:2:3 ratio with 4 nos 12mm y-bars and 20cm c/c staffs .as approved by an Engineer	Cum	10.08		
2.2	Provide and Construct 10 cm thick 1:3:6 concrete floor, cast on site for the whole building and teacher plat forms ,Concrete ramp.as approved by an Engineer	Cum	30.00		
2.3	Provide and Construct 5cm Cement and sand screed flooring smoothly trowel finished with ratio 1:3.	Sqm	15.00		
2.4	Provide and Construct ceramic tiles 40cm by 40cm for the smoothly trowel finished,	Sqm	300.00		
3) WALL CONSTRUCTION					
3.1	Provide and Construct 20 cm thick Cement hallow block wall with 1:3 cement/sand mortar.as approved by an Engineer	Sqm	504.00		
3.2	Provide and Construct RCC continues lintels with 4 nos 12mm y-bars and 6mm dia stirrup 20cm c/c through out the building including roof beam.as approved by an Engineer	Cum	8.24		
3.3	Provision and fixing of R.C.ring beam with 4 nos 8mm ray-bars and 6mm dia staffs c/c 40cm above the parapet wall of the veranda..as approved by an Engineer	Cum	0.80		

3.4	Provide and install RCC veranda colomns 20x20cm with 4 nos 12mm y-bars and 6mm dia stirrup 20cm c/c @ 2.5m c/c.as and the small slab above the verandah approved by an Engineer	Cum	11.52		
3.5	Provide and Construct Vent Blocks for the parapet wall of the verandah at 100 cm high.as approved by an Engineer	Sqm	24.00		
3.6	Provide and Construct(30x120cm) Ventilation blocks above the back,front windows and doors.as approved by an Engineer	Sqm	10.00		
3.7	Construction of RCC sun shade with 10 mm y-bars c/c 20cm above the back windows of the classrooms.as approved by an Engineer	Cum	3.00		
4)	ROOF CONSTRUCTION				
4.1	Supply and fix box profile iron sheets gauge #28 with timber roof trusses c/c 120cm. All the roof trusses should be anchored with 6 mm dia. bars in the concrete roof lintel. Roof purlins should be 8x4 cm and at gable ends should be anchored with 6 mm dia. bars, flat metal sheet should be anchored where trusses and purlins meet for the Classrooms and Vearandah.as approved by an Engineer	Sqm	360.00		
4.2	Fixing 8mm laminated ceiling board(the White one with the black lines) completed with 50x50cm ceiling joists c/c 60 cm for all classrooms and verandah. as approved by an Engineer	M ²	300.00		
4.3	Supply and Install Fascia board 20cm. as approved by an Engineer	Lm	80.00		
5)	PLASTERING & PAINTING				
5.1	Provide and apply Internal and external walls plastering 20mm thick mortar ratio 1:3. as approved by an Engineer	Sqm	756.00		
5.2	Provide and apply two coates of white washing to all external and internal walls .as approved by an Engineer	Sqm	756.00		
5.3	Provide and apply two coates of emulsion painting internal and external walls . as approved by an Engineer	Sqm	756.00		
5.4	Provide and apply two coat of gloss paint on fascia board.as approved by an Engineer	Sqm	30.0		
6)	DOORS & WINDOWS				
6.1	Supply and install regular wooden hardwood imported doors (90x 210) cm for all the classrooms, hard wood lipped all round, complete and painted (internal) with locks, hinges and painting.as approved by an Engineer	NO	6.00		
6.2	Supply and install 2 leafs Alluminuim windows, each leaf should be divided into 2 sections vertically which can be openable with external security bars and iron mesh, (120x120) cm. including locks, hinges and painting.as approved by an Engineer	NO	10.00		
7)	Electricity Installation				
7.1	Provide and Install electricity to the Two Classrooms ,Verandah and Latrines including plastic pipes inside walls ,wires, sockets, switches, lamps and breakers.as approved by an Engineer	Ls	1.00		
Total Cost of the Main Building					

2 CONSTRUCTION OF STORE, SECURITY GUARD, SHADING AREA AND SOCIAL HALL					
S.No	Item Description	Units	Qty	Unit Rate (USD)	Total Amount (USD)
A)	SITE CLEARANCE				
1	Clear the site from debris, Scrap Metals,trees and loose materials,garbage & levelling all over the yard and clear from the garbage after finishing works.as approved by an Engineer	Sqm	300.00		
B)	Construction of store, security room and Social hall				
1)	FOUNDATION WORKS				
1.1	Foundation trench excavations dug with manpower using hand tools 60cm wide and 100cm deep.as approved by an Engineer	Cum	32.00		
1.2	Provide and Lay at the bottom of excavated trenches 50mm of blinding PCC.As approved by an Engineer	Cum	2.00		
1.3	Provide and Construct 40 cm foundation stone wall. all joints between stones should be filled with 1:4 cement/sand mortar including refilling of foundation trenches. Minimum height of the foundation wall from the Ground level is 40cm.as approved by an Engineer	Cum	48.00		
1.4	Provide and Fill in 50 cm thick well compacted hardcore.as approved by an Engineer	Cum	65.00		
2)	FLOOR CONSTRUCTION				
2.1	Provide and Construct RCC Foundation level ring beam (40x20) cm 1:2:3 ratio with 4 nos 12mm y-bars and 20cm c/c staffs .as approved by an Engineer	Cum	8.00		
2.2	Provide and Construct 10 cm thick 1:3:6 concrete floor, cast on site for the whole building and teacher plat forms ,Concrete ramp.as approved by an Engineer	Cum	33.00		
2.3	Provide and Construct 5cm Cement and sand screed flooring smoothly trowel finished with ratio 1:3.	Sqm	16.50		
2.4	Provide and Construct ceramic tiles 40cm by 40cm for the smoothly trowel finished,	Sqm	150.00		
2.5	Provide and lay well compacted hardcore to the yard of the center, after the hardcore apply outdoor tiles as approved by the engineer	Sqm	300.00		
3)	WALL CONSTRUCTION				
3.1	Provide and Construct 20 cm thick Cement hollow block wall with 1:3 cement/sand mortar.as approved by an Engineer	Sqm	400.00		
3.2	Provide and Construct RCC continues lintels with 4 nos 12mm y-bars and 6mm dia stirrup 20cm c/c through out the building including roof beam.as approved by an Engineer	Cum	4.00		
3.3	Provision and fixing of R.C.ring beam with 4 nos 8mm ray-bars and 6mm dia staffs c/c 40cm above the parapet wall of the veranda..as approved by an Engineer	Cum	4.00		

3.4	Provide and install RCC veranda columns 20x20cm with 4 nos 12mm y-bars and 6mm dia stirrup 20cm c/c @ 2.5m c/c.as and the small slab above the verandah approved by an Engineer	Cum	3.20		
3.5	Provide and Construct Vent Blocks for the parapet wall of the verandah at 100 cm high.as approved by an Engineer	Sqm	15.00		
3.6	Provide and Construct(30x120cm) Ventilation blocks above the back,front windows and doors.as approved by an Engineer	Sqm	10.00		
3.7	Construction of RCC sun shade with 10 mm y-bars c/c 20cm above the back windows of the classrooms.as approved by an Engineer	Cum	3.00		
4)	ROOF CONSTRUCTION				
4.1	Supply and fix box profile iron sheets gauge #28 with timber roof trusses c/c 120cm. All the roof trusses should be anchored with 6 mm dia. bars in the concrete roof lintel. Roof purlins should be 8x4 cm and at gable ends should be anchored with 6 mm dia. bars, flat metal sheet should be anchored where trusses and purlins meet for the Classrooms and Verandah.as approved by an Engineer	Sqm	396.00		
4.2	Fixing 8mm laminated ceiling board(the White one with the black lines) completed with 50x50cm ceiling joists c/c 60 cm for all classrooms and verandah. as approved by an Engineer	M ²	330.00		
4.3	Supply and Install Fascia board 20cm. as approved by an Engineer	Lm	100.00		
5)	PLASTERING & PAINTING				
5.1	Provide and apply Internal and external walls plastering 20mm thick mortar ratio 1:3. as approved by an Engineer	Sqm	800.00		
5.2	Provide and apply two coats of white washing to all external and internal walls .as approved by an Engineer	Sqm	800.00		
5.3	Provide and apply two coats of emulsion painting internal and external walls . as approved by an Engineer	Sqm	800.00		
5.4	Provide and apply two coat of gloss paint on fascia board.as approved by an Engineer	Sqm	40.0		
6)	DOORS & WINDOWS				
6.1	Supply and install regular wooden hardwood imported doors (90x 210) cm for all the classrooms, hard wood lipped all round, complete and painted (internal) with locks, hinges and painting. as approved by an Engineer	NO	6.00		
6.2	Supply and install two leafs metal door of 5cm thick for the store security guard with security frame	NO	4.00		
6.2	Supply and install 2 leafs Alluminuim windows, each leaf should be divided into 2 sections vertically which can be openable with external security bars and iron mesh, (120x120) cm. including locks, hinges and painting.as approved by an Engineer	NO	10.00		
7)	Electricity Installation				
7.1	Provide and Install electricity to the Two Classrooms ,Verandah and Latrines including plastic pipes inside walls ,wires, sockets, switches, lamps and breakers.as approved by an Engineer	Ls	1.00		
Total Cost of the Main Building					

3 BOQS FOR SANITATION FACILITY: TWIN PIT LATRINES BLOCK					
S.No	Item Description	Units	Qty	Unit Rate (USD)	Total Amount (USD)
1)	FOUNDATION, EXCAVATION & CONSTRUCTION				
1.1	Foundation trench excavations dug with manpower using hand tools;60cm wide and Maximum 60cm deep.as approved by an Engineer	Cum	0.50		
1.2	Provide and Lay at the bottom of excavated trenches 50mm of blinding PCC.as approved by an Engineer	Cum	8.00		
1.3	Provide and Construct 40 cm foundation stone wall. all joints between stones should be filled with 1:4 cement/sand mortar. Minimum height of the foundation wall from the Ground level is 20cm.as approved by an Engineer	Cum	4.00		
1.4	Provide and Fill in 36 cm thick well compacted hardcore.as approved by an Engineer	Cum	24.00		
2)	FLOOR CONSTRUCTION				
2.1	Provide and Construct RCC Foundation level ring beam (40 x 20) cm 1:2:3 ratio with 4 nos 12mm y-bars and 20cm c/c staffs .as approved by an Engineer	Cum	0.60		
2.2	Provide and Construct 10 cm thick 1:2:4 concrete slab, cast on site .as approved by an Engineer	Cum	0.80		
2.3	Provide and Construct 40 mm Cement and sand screed flooring smoothly trowel finished.	Sqm	0.40		
3)	WALL CONSTRUCTION				
3.1	Provide and Construct 20 cm thick Cement hallow block wall with 1:3 cement/sand mortar- for extension of all Latrines.As approved by an Engineer	Sqm	22.00		
3.2	Provide and Construct roof level tie beam with 20x20 cm RCC continues lintels with 4 nos 12mm y-bars and 6mm dia sterrup 20cm c/c through out Latrines.As approved by an Engineer	Cum	1.20		
4)	ROOF CONSTRUCTION				
4.1	Supply and fix box profile iron sheets gauge #28(saudi type), with timber roof trusses c/c 1.6m. All the roof trusses should be anchored with 6 mm dia. bars in the concrete roof lintel. Roof purlins at gable ends should be anchored with 6 mm dia. bars, flat metal sheet should be anchored where trusses and purlins meet for the latrines. As per drawings and approved by an Engineer	Sqm	9.60		
4.2	supply and fix 4mm laminated ceiling board completed with 50x50cm ceiling joists c/c 60 cm for all Latrines. As approved by an Engineer	Sqm	8.00		

4.3	Supply and Install Fascia board 20cm. As approved by an Engineer	Lm	0.96		
5)	PLASTERING & PAINTING				
5.1	Provide and apply Internal and external walls plastering 20mm thick mortar ratio 1:3. As approved by an Engineer	Sqm	30.00		
5.2	Provide and apply two coats of white washing to all external and internal walls .As approved by an Engineer	Sqm	30.00		
5.3	Provide and apply two coats of emulsion painting internal and external walls . As approved by an Engineer	Sqm	30.00		
5.4	Provide and apply two coat of gloss paint on fascia board.As approved by an Engineer	Sqm	30.00		
6)	DOORS & WINDOWS				
6.1	Supply and install regular wooden hardwood imported doors (0.7x 2.10) m for all the Verandah, hard wood lipped all round, complete and painted (internal) with locks, hinges and painting.As approved by an Engineer	No.	2.00		
7)	SANITARY INSTALLATION AND PLUMBING				
7.1	Supply, install and test Squat (arab) type ceramic water closet (WC) complete with cistern and trap (syphon).As approved by an Engineer	No	2.00		
7.2	Supply, install and test Standard ceramic Wash hand Basins (WHB) complete with taps, trap and drain pipes.As approved by an Engineer	No	2.00		
7.3	Supply and fit Floor traps to bathrooms, complete with drain pipes.As approved by an Engineer	No	2.00		
7.4	Supply and fit Upvc Ablution Wash tap, complete with flexi pipe. As approved by an Engineer	Lm	2.00		
	TOTAL COST FOR TWIN LATRINE BLOCK WITH PRIVACY WALL				
	TOTAL COST FOR THREE TWIN LATRINE BLOCK WITH PRIVACY WALL AND ONE STAND ALONE LATRINE				

4 BoQ for water Connection and Sewage system					
No	Item Description	Units	Qty	Unit Rate (USD)	Total Amount (USD)
A	Water Connection System				
1	DRAINAGE. Excavate and lay adequate soil water (sewage) piping from the latrine block, including inspection chambers / manholes to the Septic tank using 4 Inch Uvc Pipe.As approved by an Engineer	LS	1.00		
2	SEPTIC TANK: Undertake the necessary excavations and construct a 300 cm longx120cm widex600 cm deep Septic tank covered with RCC Slab of 20 cm thick with 12 mm iron bars in both sides 15 cm c/c and ratio of 1:2:3 and step on a 20cm thick beam and 100 cm masonry foundation wall around the pit only 40 cmwill be above the ground and 3 inch uVC Vent pipe for the 3 septic tanks . As approved by an Engineer	LS	1.00		
3	Water Connection: Connect water system using Uvc Pipe from the school to the latrines and water point inside the courtyard of the School, Connection of the water icluded the T-connections, elbows and water taps, Maximum 100m.As approved by an Engineer	LS	1.00		
4	Underground Tank: Excavate and Construct underground water tank of capacity of 12m3, using rainforced concrete class 25 for all the bottom slab, top slab, suspended walls and load bearing column, provide and install submersible pump 1kw or 1HP as guided by the engineer.	LS	1.00		
5	Elevated Water Tank Provide and Install Fabricated stainless steel elevated tank at 5m height. The top survice of the tank should be 3m2,. Provide and install 3 cu m storage fabric tank of as approved by the engineer	LS	1.00		
6	Total Cost				

5 BoQ OF CONSTRUCTION OF FENCING WALL (125Mx3M)					
S.No	Item Description	Units	Qty	Unit Rate (USD)	Total Amount (USD)
A) SITE CLEARANCE					
1	SITE CLEARANCE	Sqm	125.00		
B) FENCING WALL					
1) EXCAVATION & FOUNDATION CONSTRUCTION					
1.1	Foundation trench excavations dug with manpower using hand tools;60cm wide and Maximum 100cm deep.as approved by an Engineer	Cum	6.40		
1.2	Provide and Lay at the bottom of excavated trenches 50mm of blinding PCC.as approved by an Engineer	Cum	0.50		
1.3	Provide and Construct 40 cm foundation stone wall. all joints between stones should be filled with 1:4 cement/sand mortar. Minimum height of the foundation wall from the Ground level is 40cm.as approved by an Engineer	Cum	9.60		
1.4	Provide and Construct RCC Foundation level ring beam (40 x 20) cm 1:2:3 ratio with 4 nos 12mm y-bars and 20cm c/c staffs .as approved by an Engineer	Cum	10.00		
2) WALL CONSTRUCTION					
2.1	Provide and Construct 20 cm thick Cement hallow block wall with 1:3 cement/sand mortar with 40x40 cm hallow block columns 400 Cm c/c-.As approved by an Engineer	Sqm	375.00		
2.2	Provide and install RCC colomns 40x40cm with 8 nos 12mm y-bars and 6mm dia stirrup 20cm c/c @ 2.5m c/c. approved by an Engineer	Cum	3.60		
2.3	Provide and Construct 20 cm thick Concrete coping with 8 nos 8mm y-bars and 6mm dia sterrup 20cm c/c .As approved by an Engineer	Cum	5.00		
3) PLASTERING & PAINTING					
3.1	Provide and apply Internal and external walls plastering 20mm thick mortar ratio 1:3. As approved by an Engineer	Sqm	750.00		
3.2	Provide and apply two coates of white washing to all external and internal walls .As approved by an Engineer	Sqm	750.00		
3.3	Provide and apply two coates of emulion painting internal and external walls . As approved by an Engineer	Sqm	750.00		
4) DOORS & WINDOWS					
4.1	Renovation of Metal gate(400X280 cm) including painting locks and hinges and putting new door entrance concrete floor, cover slab and standar metal Boom-Gate As approved by an Engineer	No	1		
4.2	Install Metal access door gate (120X220 cm) , well painted with full locks and hingesAs approved by an Engineer	No	2		
Total					

6 Construction of shaded area in the compound					
S.No	Item Description	Units	Qty	Unit Rate (USD)	Total Amount (USD)
A) SITE CLEARANCE					
1	Demolishing of the existing Fencing CGI wall including masonry foundation,Main gate,Columns,Latrines with thier septic tanks and other structures.Clear the site from debris, Scrap Metals,trees and loose materials,garbages & levelling all over the yard before and after finishing of the works.As approved by an Engineer	Sqm	125.00		
B) Shaded area					
1) EXCAVATION & FOUNDATION CONSTRUCTION					
1.1	Foundation trench excavations dug with manpower using hand tools;60cm wide and Maximum 100cm deep.as approved by an Engineer	Cum	6.40		
1.2	Provide and Lay at the bottom of excavated trenches 50mm of blinding PCC.as approved by an Engineer	Cum	0.50		
1.3	Provide and Construct 40 cm foundation stone wall. all joints between stones should be filled with 1:4 cement/sand mortar. Minimum height of the foundation wall from the Ground level is 40cm.as approved by an Engineer	Cum	9.60		
1.4	Provide and Construct RCC Foundation level ring beam (40 x 20) cm 1:2:3 ratio with 4 nos 12mm y-bars and 20cm c/c staffs .as approved by an Engineer	Cum	1.60		
2) FLOOR CONSTRUCTION					
2.1	Provide and Construct 10 cm thick 1:3:6 concrete floor, cast on site for the whole building and teacher plat forms ,Concrete ramp.as approved by an Engineer	Cum	5.00		
2.2	Provide and Construct 5cm Cement and sand screed flooring smoothly trowel finished with ratio 1:3.	Sqm	2.50		
2.4	Provide and Construct ceremic tiles 40cm by 40cm for the smoothly trowel finished,	Sqm	50.00		
3 WALL CONSTRUCTION					
3.1	Provide and install RCC colomns 40x40cm with 8 nos 12mm y-bars and 6mm dia stirrup 20cm c/c @ 2.5m c/c. approved by an Engineer	Cum	3.60		
3.2	Provide and Construct 20 cm thick Concrete coping with 8 nos 8mm y-bars and 6mm dia sterrup 20cm c/c .As approved by an Engineer	Cum	5.00		
4) ROOF CONSTRUCTION					
4.1	Supply and fix box profile iron sheets gauge #28 with timber roof trusses c/c 120cm. All the roof trusses should be anchored with 6 mm dia. bars in the concrete roof lintel. Roof purlins should be 8x4 cm and at gable ends should be anchored with 6 mm dia. bars, flat metal sheet should be anchored where trusses and purlins meet for the Classrooms and Vearandah.as approved by an Engineer	Sqm	60.00		
4.2	Fixing 8mm laminated ceiling board(the White one with the black lines) completed with 50x50cm ceiling joists c/c 60 cm for all classrooms and verandah. as approved by an Engineer	M ²	50.00		

4.3	Supply and Install Fascia board 20cm. as approved by an Engineer	Lm	80.00		
4)	DOORS & WINDOWS				
	Total				

SUMMARY

No	DESCRIPTION	AMOUNT IN USD
1	CONSTRUCTION OF MAIN BUILDING	
2	CONSTRUCTION OF STORE, COMMUNITY HALL GUARD HOUSE COMPOUND YARD	
3	CONSTRUCTION OF THREE TWIN PIT LATRINE	
4	CONNECTION OF WATER SYSTEM, DRAINAGE	
5	CONSTRUCTION OF FENCING WALL	
6	CONSTRUCTION OF SHADED AREA	
GRAND TOTAL		\$

Material's Specifications

S.No	Item Specification
1	Before the work started ,site should be cleared from debris, Scrap Metals,trees and loose materials,garbage and has to be levelled all over the Construction area and also should be cleared from the remaining of the construction materials and garbage after finishing the work.
2	Boulders to be used in construction of Masonry wall, Should have good strength and appearance and should have a size between 5cm to 20cm.
3	Course & good quality sand free from organic matters,clay & wild roots,leaves. should be well graded as approved by an Engineer.
4	Crush should be well graded,angular, not flaky & should be free from clay & silt.of size 2 cm & down as approved by an Engineer.
5	Water should be drinkable water and free from organic matters, salt as approved by an Engineer.
6	Good quality Ordinary Portland Cement of 50 kg bag as approved by an Engineer.
7	Box profile iron sheets gauge #28, free from rusting and damages . BPI size should not be less than 100cmx300cm as approved by an Engineer.
8	White wood to be used in the construction, Should be straight ,having desired size and good appearance and shouldnot be sapwood or have Knots as approved by an Engineer.
9	Hot Rolled Deformed Steel of grade 40 . as approved by an Engineer.
10	Ordinary wire nails No. 6,5,2 including Cap nails for the BPI Sheet fixation as approved by an Engineer.
11	Good quality paint should be used for Fascia Board and the color will be approved by an engineer.
13	External and internal steel metal latches (pad bolts) and hinges as approved by an Engineer
14	Metal doors and windows using Polished stainless steel plate - 4mm stainless steel plate.

GENERAL NOTE

PROJECT NAME:

**Proposed Design for
Construction of CBRC
in Dhoobley.**

**Drawing Name:
General Layout**

Impemented by :

The Lutheran World Federation (L.W.F)



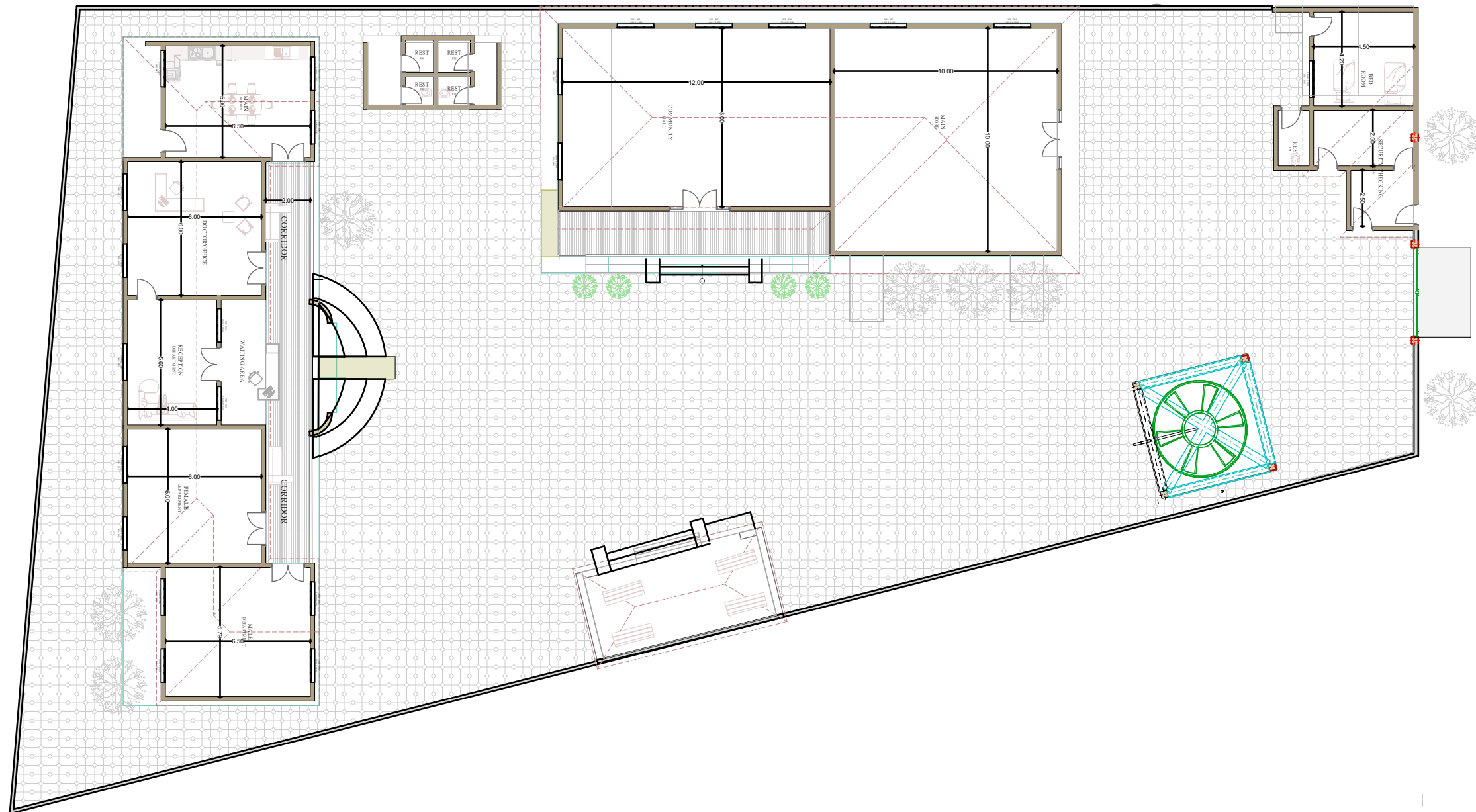
Funded By:



Location:

Dhoobley town.

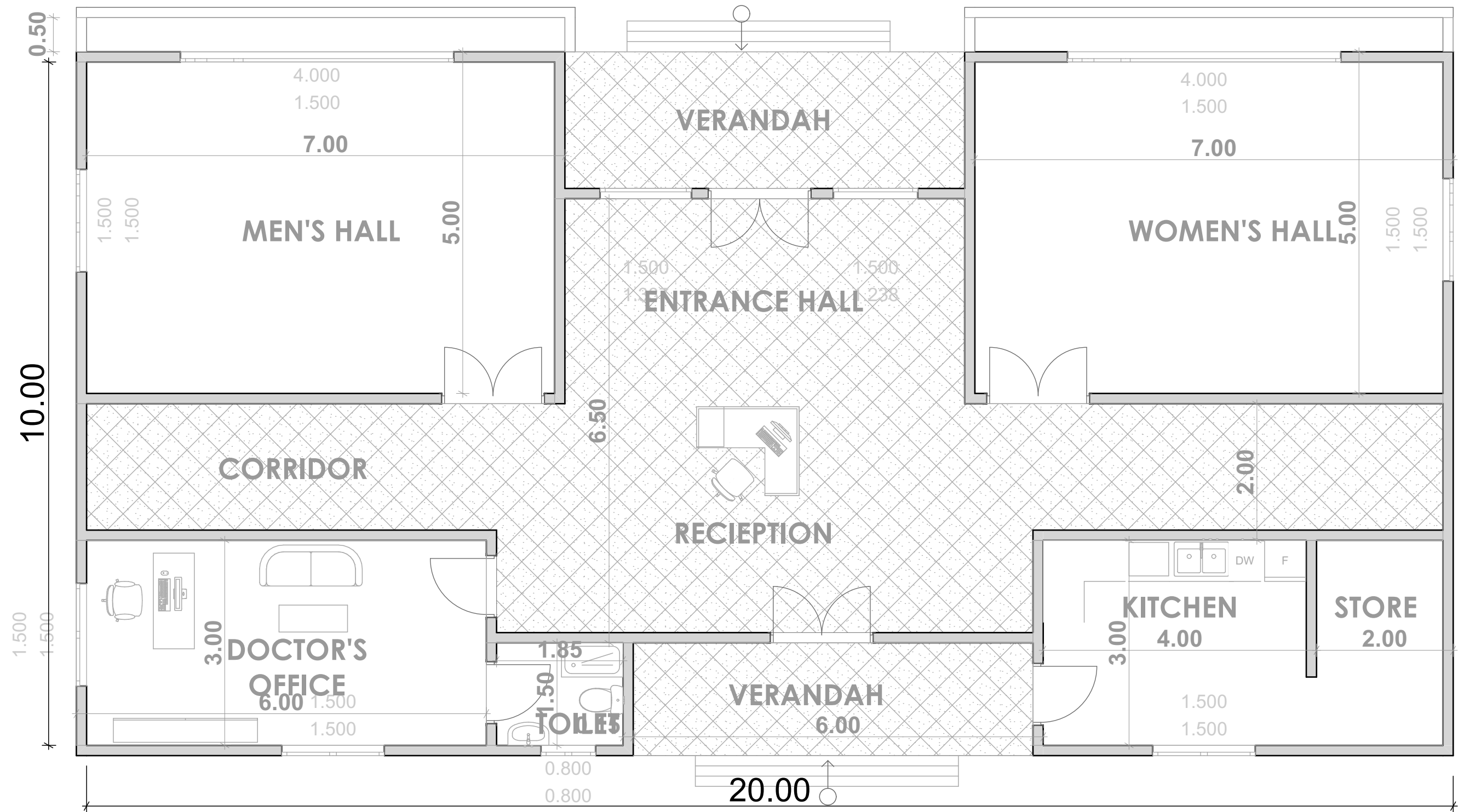
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1

SITE PLAN

SCALE: 1/100



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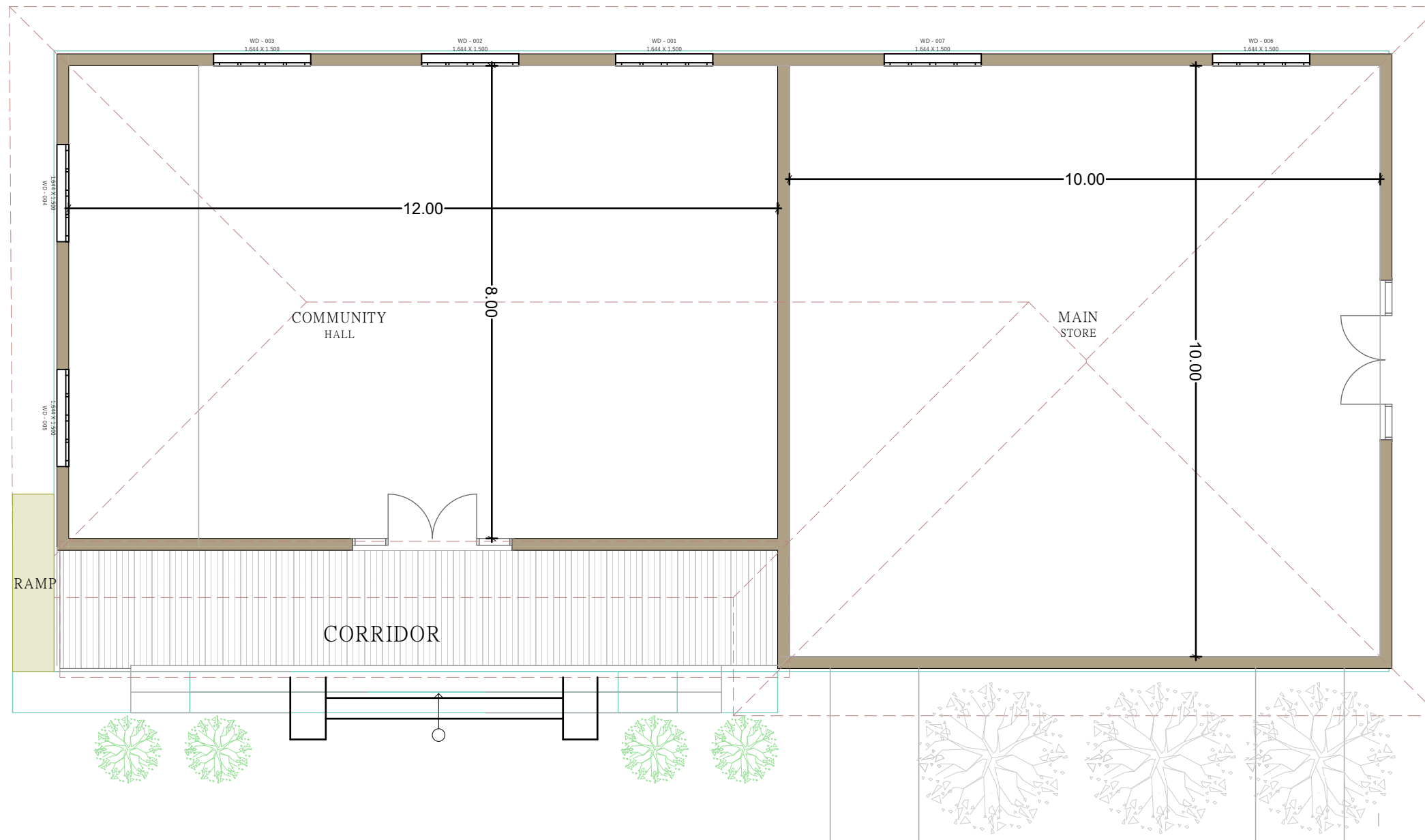
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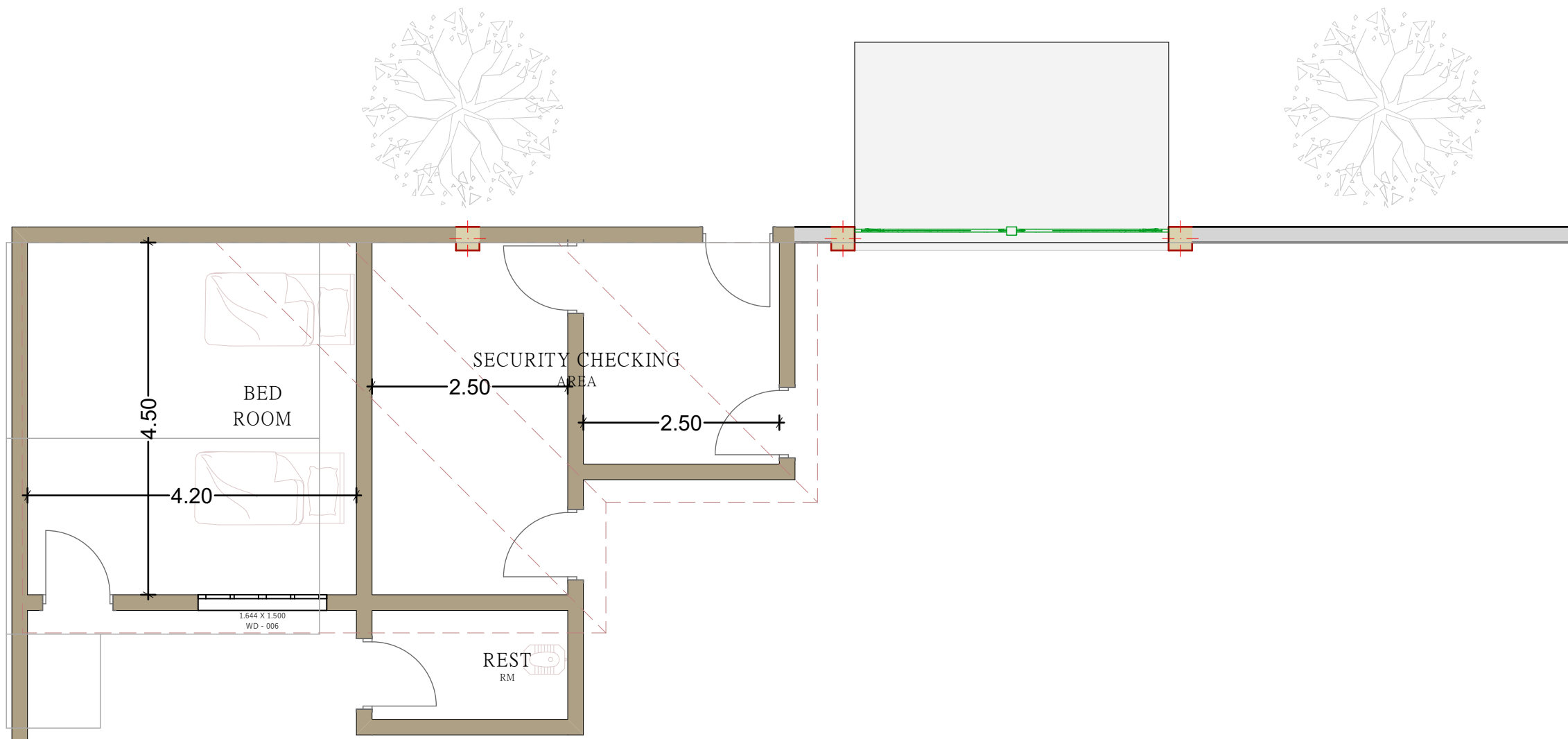
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Dhobley town.

SCALE: 1:100



1 **Ground Floor**
SCALE: 1/100



1 Ground Floor
SCALE: 1/100

GENERAL NOTE

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Proposed Design for
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Funded By:



Location:
Dhobley town.

SCALE: 1:100

GENERAL NOTE

PROJECT NAME:

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**Drawing Name:
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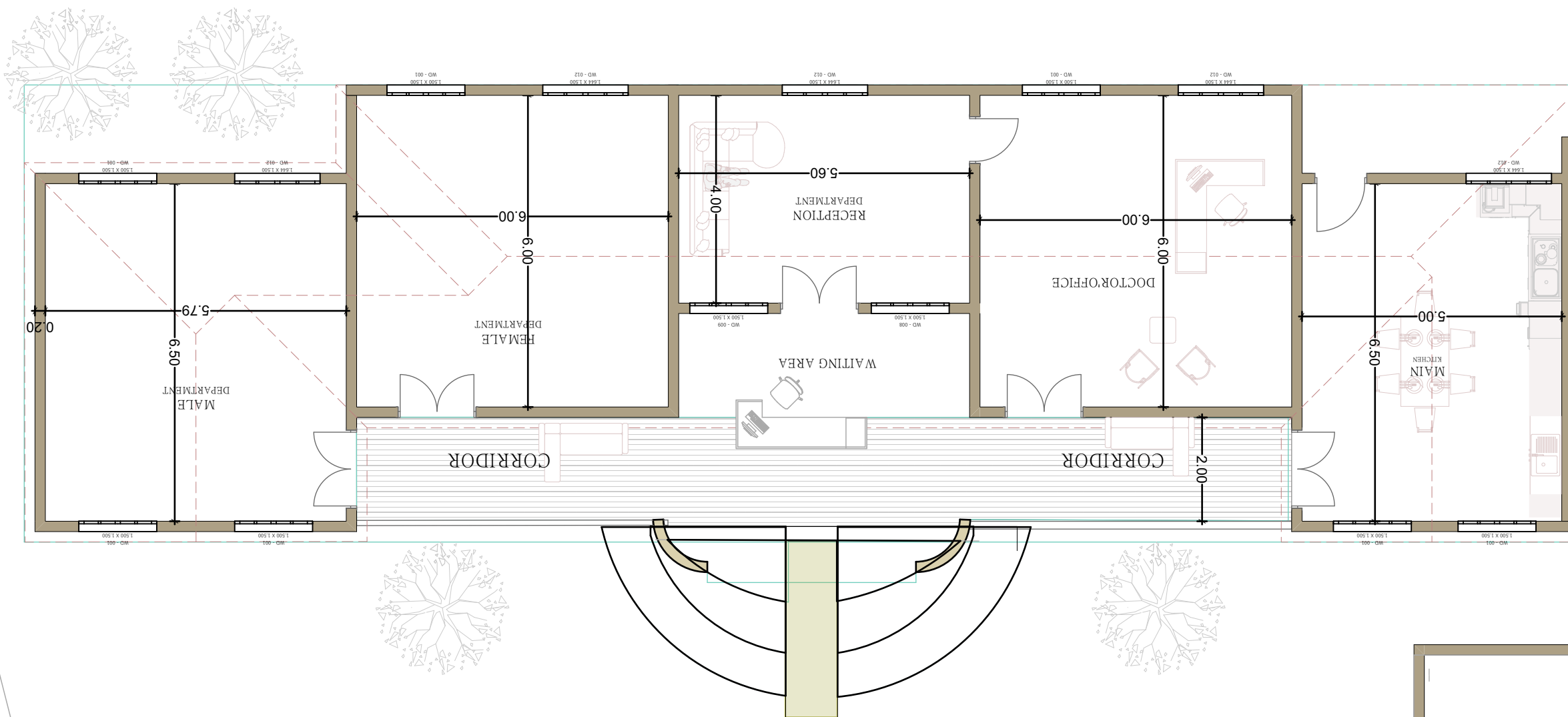
Funded By:



Location:

Dhoobley town.

SCALE: 1:100



1 **Ground Floor**
SCALE: 1/100

