

THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA

Ocean University of Sri Lanka

Renovation Works & Land Improvement at Regional Centre Boossa

Bid No: OCU/Ren/Boossa/2026/11

BIDDING DOCUMENT

(VOLUME I & II)

VOLUME –I

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VOLUME – II

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Employer:

Vice Chancellor,
Ocean University of Sri Lanka,
Crow Island, Mattakkuliya, Colombo 15

(VOLUME – I)

SECTION – 1	-	INSTRUCTIONS TO BIDDERS
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		➤ FORM OF LETTER OF ACCEPTANCE
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SECTION – 3	-	CONDITIONS OF CONTRACT

(VOLUME – I)

Please refer ICTAD Publication No. ICTAD/SBD/03 Standard Bidding Document for Procurement of Works, Minor Works, Second edition - January 2007, published by the Institute for Construction Training and Development (ICTAD) for Volume 1 for above documents.

This publication will not be issued with the Bidding Document.

Instructions to Bidders shall be read in conjunction with the Schedule provided under Section 5 of the Bidding Document (VOL -II)

Conditions of contract shall be read in conjunction with the Schedule provided under Section 5 of the Bidding Document (VOL -II)

VOLUME -II

INVITATION FOR BIDS

SECTION 4	- FORM OF BID AND QUALIFICATION INFORMATION
SECTION 5	- SCHEDULES
SECTION 6	- SPECIFICATIONS
SECTION 7	- BILLS OF QUANTITIES
SECTION 8	- DRAWINGS
SECTION 9	- STANDARD FORMS (BID)

INVITATION FOR BIDS

INVITATION FOR BIDS

Ocean University of Sri Lanka Renovation Works & Land Improvement at Regional Centre – Boossa

01. **The Chairman, Regional Procurement Committee** on behalf of the **Vice Chancellor, Ocean University of Sri Lanka** now invites sealed bids from eligible and qualified bidders for Renovation works & Land improvement at Regional Centre Boossa. (OCU/Ren/Boossa/2026/11) with the approximate estimated cost of Rs. 8.4 million (excluding VAT).
 - a. The works consists of Demolition works, Masonry works, Water proofing works, Painting Works, Metal works, Roof Plumbing Works, and as per the BOQ descriptions
 - b. The Construction Period is **60 days**.
02. Bidding will be conducted through National Shopping Procedure.
03. To be eligible for contract award, the successful Bidder **shall not have been blacklisted and shall have the ICTAD registration as a main Contractor for Building works under the category of C8 or above.**
04. Qualification requirements to qualify for contract award include the followings;
 - {i} The minimum required average annual volume of construction work performed in **the last five years** shall be at least Sri Lankan **Rs.10 Million**
 - {ii} Completion of at least one project of as the main contractor of a similar nature and complexity to a value of **Rs7 Million** over last 5 years.
 - {iii} Minimum amount of liquid assets and/or credit facilities net of other contractual commitments shall be Sri Lankan **Rs.3 Million** which should be made available exclusively for this project.
05. Interested bidders may obtain further information from **Engineer (Works) Ocean University of Sri Lanka, Mattakkuliya, Colombo 15** and inspect the bidding documents at the address given below from **0900 hrs to 1500 hours**.
06. A complete set of Bidding Documents in English Language may be purchased by interested bidders on the submission of a written application to the **Ocean University of Sri Lanka, Crow Island, Mattakkuliya, Colombo 15. from 9.00 hrs. to 15.00 hrs** upon payment of non-refundable fee of **Rs. 1,000.00**. The method of payment will be in cash.
07. Bids shall be delivered in duplicate to the office of the **Procurement Committee, Ocean University of Sri Lanka, Crow Island, Mattakkuliya, Colombo 15** on before **11.00 hrs**. On **08.10.2026** Late Bids will be rejected. Bids will be opened soon after closing, in the presence of the bidders' representatives who choose to attend.
08. All Bids shall be accompanied by a Bid Security of **Rs. 126,500.00** valid up to **11.01.2027**
09. Sealed bids shall be submitted on the forms available with the Procurement Documents. Duly completed bids together with the duplicate and the bid security should be inserted in a sealed envelope or packet and the top left-hand corner of each envelope or packet should be marked with the name of the tender. (Bid security should be submitted along with the original procurement document)
10. **A pre bid meeting** will be held on **9.30 hrs. On 28.09.2026 at Boossa site.**
11. The Chairman of the Procurement Committee reserves the right to accept any one bid or reject any or all bids without giving any reason and its decision will be final and conclusive.

**Chairman,
Procurement Committee,
Ocean University of Sri Lanka,
Crow Island, Mattakkuliya, Colombo 15**

(VOLUME – II)

SECTION 4

FORM OF BID AND QUALIFICATION INFORMATION

FORM OF BID

FORM OF BID

**NAME OF CONTRACT: Renovation works & Land Improvement at Regional
Centre Boossa**

**Chairman,
Procurement Committee,
Ocean University of Sri Lanka,
Crow Island, Mattakkuliya, Colombo 15**

1. Having examined the Standard Bidding Document – Procurement of Works – Minor Contracts (ICTAD/SBD/03 – Second Edition, January 2007) Conditions of Contract, Specifications, Drawings and Bills of Quantities and Addenda for the execution of the above named Works, we the undersigned, offer to execute and complete such Works and remedy any defect therein in conformity with the Conditions of Contract, Specifications, Drawings, and Bills of Quantities and Addenda for the sum of Sri Lankan Rupees
.....
.....plus VAT (SLR.
.....+ VAT), or such other sums as may be ascertained in accordance with the said Conditions. (VAT payment is SLR.....)
2. We acknowledge that the contract data forms part of our Bid.
3. We undertake, if our Bid is accepted, to commence the Works as stipulated in the schedules, and to complete the whole of the Works comprised in the Contract within the time stated in the Schedule.
4. We agree to abide by this Bid for the period of **63calendar days** from the date fixed for receiving or any extended period and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
5. Unless and until a formal agreement is prepared and executed, this Bid together with your written acceptance thereof shall constitute a binding contract between us.
6. We understand that you are not bound to accept the lowest or any Bid you may receive.

Dated thisday of2026 in the capacity ofduly authorized to sign tenders for and on behalf of.....

(IN BLOCK CAPITALS)

Name :
Designation :
Address :
Signature :.....

Witness

Name :
Designation:.....
Address :
Signature :

Name :
Designation:.....
Address.....
Signature.....

Non-collusion Declaration
(Relevant Reference to the Procurement Guidelines - 1.5)

I, the undersigned bidder/ bidder's representative/ bidder's agent, honestly, truthfully and solemnly declare that;

(a) I, nor any other member, agent or representative of the firm/ company/ corporation/ partnership/ sole proprietorship that I represent, have entered into any combination, collusion or similar agreement with any person in connection with the prices to be submitted by any person with respect to the invitation for bid;

(b) I, nor any person who represents me have acted to prevent any person from submitting a bid or to induce any person to refrain from submitting a bid in connection with the intention for bid (Bid No.....);

(c) This bid is not submitted in collusion with any other bid and is not made pursuant to any agreement, understanding or association with any other person in relation to such bid.

I declare that, I have not received and will not accept any discount, fee, reward, commission or anything of value, directly or indirectly, from any person, company or corporation in connection with the submission of this bid.

I further declare that, I have not given and will not give any discount, fee, reward, commission or anything of value, directly or indirectly, to any person, company or corporation in connection with the submission of this bid.

I, taking full responsibility for ensuring the absence of collusion, hereby pledge to abide by fair and ethical competitive practices throughout the entire procurement process and to fully comply with the relevant Procurement Guidelines issued by the National Procurement Commission.

I hereby declare that all the statements made by me above are true and correct.

Signature of the Declarant

QUALIFICATION INFORMATION

Qualification information

(To be completed and submitted by the Bidder, with the Bid)

ICTAD Registration	
Registration number	(attached copies of relevant pages from the registration book)
Grade	C8 or above
Specialty	Building Works
Expiry Date	
Black listed Contractors	
Have you been declared as a defaulted contractor by NPA or any other agency? (Yes/No)	
IF yes provide details	
VAT Registration Number	
Construction Program	(attach as annex)
Legal Status	(attach relevant status copies, as annex)
Qualification and experience of key staff	Technical: 1. Superintendent (Civil) with NDT or equivalent and 3 years construction experience (Resident)
Other information requested under ITB Clause 4	• Average annual value of construction work performed in last five years shall be at least Rs. 10 million • The minimum amount of Liquid Assets and/or credit facilities required is Rs. 3 million. • Experience as a main Contractor in the construction of at least one contract of a similar nature and complexity to a value of Rs 7 Million

Signature of Bidder :

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SECTION 5

SCHEDULE

1.	1.1.8	Employer is:	Name: The Vice Chancellor, Ocean University of Sri Lanka, Crow Island, Mattakkuliya, Colombo 15.
		Benefiter is:	Name: Assistant Director, Regional Centre,Boossa Ocean University of Sri Lanka,
	1.1.10	Engineer is:	Name: Engineer (Works) Ocean University of Sri Lanka, Crow Island, Mattakkuliya, Colombo 15.
1 & 13	1.1.21	Summary of Works	The works include Painting works, Roof & Roof Plumbing works, Demolition works, Masonry works, Metal works and concrete work specified in the Bills of Quantities and Drawings. Contract Name: Renovate Works & Land Improvement at Ocean University of Sri Lanka, Regional Centre – Boossa Contract No : OCU/Ren/Boossa/2026/11
1	1.1.14	Intended Completion Date	Intended Completion Date is 60 Days from the Start Date
2.		Source of Funds	The source of funds is Government of Sri Lanka (GOSL)
3.		Eligibility	ICTAD registration required. Specialty: Civil (Building Construction) Grade: C08 or above as a main Contractor
12.		Documents of the Bid	The bid submitted by the bidder shall comprise the following: Enclosed in the envelope marked as "Original" (a). Duly filled and signed Form of Bid, Non- Collusion Declaration, and Qualification Information (b) Bid Security (c) Section 5 - Schedule; (d) Section 6 - Specifications; (e) Section 7 - Priced Bills of Quantities; (f) Any other information required to be completed and submitted by bidders as specified in the Schedule. (g) Audited financial reports for last five years

			Enclosed in the envelope marked as "Copy" (a) Duly filled and signed Form of Bid, Non- Collusion Declaration, and Qualification Information (b) Section 7 - Priced Bills of Quantities
13	10.10	Price Adjustment	The Contract is not subject to price adjustment in accordance with sub clause 10.10 of the condition of contract
16		Bid Security / Bid Securing Declaration	Bid shall include a Bid Security: For an amount of Rs. 126,500.00 valid up to 11.01.2027 an unconditional on demand guarantee issued by any commercial bank approved by the Central Bank of Sri Lanka, Guarantee issued by the Construction Guarantee Fund (CGF) or a cash deposit to the University main collection account, in favor of Vice Chancellor, Ocean University of Sri Lanka. Also attach the original of the cash receipt along the bid.
31.	4.4	Performance Security	The Performance Security may be in the form of an Irrevocable, unconditional, on-demand bank guarantee issued by a reputable commercial bank registered under the Central Bank of Sri Lanka. Alternatively, the Performance Security may be in the form of an irrevocable, unconditional, on-demand guarantee issued by the Construction Guarantee Fund (CGF). The amount of Performance Security is 5% of the Initial Contract Price. The Performance Security Shall be valid until 28 days beyond the Defects Notification period
	6.4	Late Completion	The amount to be paid is 0.05. % of Initial Contract Price per Day, subjected to maximum of 10% of Initial Contract Price.
	8.1	Notification of Defects	The period for Defect Notification is 365 Days from Taking Over.

	10.3	Retention	The amount of retention is 10% of certified work done. The maximum amount of retention is 5% of the Initial Contract Price.
32	10.12	Advance Payment	The amount of Advance Payment is 20% of Initial Contract Price (less provisional sums and contingencies) The Advance Payment Security shall be in the form of an irrevocable unconditional on demand bank guarantee issued by an acceptable reputed commercial bank registered under Central Bank of Sri Lanka. or on-demand guarantee issued by the Construction Guarantee Fund (CGF) The Advance Payment Security shall be valid until 28 days beyond the Intended Completion Date. Upon the payment of the advance payment in full the Employer shall return the original of the Advance Payment Security to the Contractor.
	13.1 (c)	Insurance, third party	The minimum amount for third party insurance and employees of the Employer and other persons engaged by the Employer in the Works is Rupees 300,000.00 per event and aggregated amount Rs. 600,000.00.
	13.1	Insurance for Contractor's Personnel	The minimum amount for Insurance for Contractor's Personnel is Rs. 300,000.00 per event and aggregated amount Rs. 600,000.00.
33.	1.1.11	Adjudicator	The Adjudicator proposed by the Employer is the Person appointed by CIDA from the Panel of Adjudicators.
	14.0	Resolution of Disputes	Fees and types of reimbursable expenses to be paid to the Adjudicator shall be on a case-to-case basis and shall be equally shared by the Contractor and the Employer.

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SECTION – 6

SPECIFICATIONS

SPECIFICATION

1. GENERAL

This Specification covers eleven Bills of the BOQ: (1) Preliminaries, (2) Demolition and Site Preparation, (3) Excavation and Earthwork, (4) Concrete Work, (5) Masonry Work, (6) Waterproofing, (7) Metal Work, (8) Roof Structure/Covering/Plumbing, (9) Electrical Work (nil priced — see 1.4), (10) Finishes, and (11) Painting. It is read together with the Conditions of Contract, Drawings, Pricing Preambles and the BOQ; in case of conflict that order of precedence applies unless the Engineer directs otherwise.

1.1 Standards

- CIDA/ICTAD Standard Specification for Building Works and ICTAD/ID/04 (2nd Ed., June 2009) — Preliminaries.
- SLS 144:1997 — ready-mixed concrete; BS 1881 and SCA/4/1 — concrete cube testing; BS 4449 and SLS 375 — reinforcement.
- BS/ISO for structural steel and galvanizing; ISO 12944 (C5-M) for the marine paint system on metalwork.
- Sri Lanka Standards for cement, sand, paint, timber and waterproofing materials, or approved equivalent BS/ISO/EN standards.
- National Environmental Authority (NEA) regulations for asbestos removal and disposal.

1.2 Site and marine environment

The site is coastal. All fixings, fasteners, anchors and hardware exposed to weather shall be hot-dip galvanized or stainless steel (Grade 316 where stated), and steelwork shall receive the specified marine-grade paint system. Bidders shall visit the site before pricing.

1.3 Submittals

- Method statements before demolition, excavation support, chemical anchoring, waterproofing and asbestos removal.
- Shop drawings for the gate, boundary fence posts, ladder, grill door and roof framing, before fabrication.
- Material samples and manufacturer's data/warranty for waterproofing (10-year guarantee), paints and timber (with Timber Corporation certification).
- Concrete mix design and cube test results; sea-sand test results (chlorine content and gradation) if sea sand is proposed.
- Monthly progress reports with photographic record, as per ICTAD/CM/01 guidelines, if required by the Engineer.

1.4 Electrical work (Bill 9)

Bill 9 (Electrical Work) is priced at nil in the BOQ provided. Confirm with the Engineer whether electrical work is excluded from this contract or is to be added by addendum before the bid is issued.

2. PRELIMINARIES (BILL NO. 1)

Governed by ICTAD/ID/04 (2nd Edition, June 2009). Comprises performance and advance payment securities, insurance of works and personnel (documents to be submitted), a full-time Engineer's Representative (2 months), site office/workshop/stores, setting out, quality/progress reporting, health/safety/environment, security and protection, services (water, electricity, small plant, hoisting, scaffolding) and site demobilization. Rates for lump-sum items shall be supported by a rate analysis.

Note: Several BOQ lines under Bill 1 are marked "delete" (e.g. telephone/electricity/water provisional sums, progress reports, testing PS, shop drawings, as-built drawings, security personnel, stamp duty). Confirm with the Engineer whether these are genuinely excluded from this contract or omitted in error before the bid is issued.

3. DEMOLITION AND SITE PREPARATION (BILL NO. 2)

- Contractor to visit site, verify demolition areas with the Engineer before starting, and submit method statements for approval.
- Demolition of brick/block masonry and reinforced concrete: debris cleared within 5 km of site, rate to include temporary support, shoring and disconnecting/reconnecting services.
- Chipping of external plaster and making good with 1:3 cement: sand mortar without damaging retained walls.
- Removal of corrugated asbestos-cement sheeting and roof frame: full compliance with NEA regulations, approved respiratory protective equipment, double-wrapped and labelled waste, disposal at a designated facility; all fasteners hot-dip galvanized or stainless steel.
- Valuable materials from demolition remain the Employer's property, stacked on site and handed over by inventory.
- Provisional sum for chemical anchoring, subject to an approved method statement.

4. EXCAVATION AND EARTHWORK (BILL NO. 3)

- Topsoil strip and preservation; excavation for foundations measured net from formed ground level, in pits and trenches to the depths scheduled.
- Earthwork support (shoring) is a provisional item, paid only if actually carried out and specifically instructed by the Engineer.
- Disposal of excavated material on site; backfilling around footings in 150 mm layers, well rammed and consolidated; sand/gravel filling to make up levels where required.
- Removal and relocation of the existing vehicle weighbridge/scale from the new garage footprint using machinery, measured per machine-hour.

5. CONCRETE WORK (BILL NO. 4)

- Grade as shown on drawings/specification; ready-mixed concrete to SLS 144:1997, delivered to site, with cube testing to BS 1881 and SCA/4/1.
- If sea sand is proposed: chlorine-content and gradation testing per batch, and an approved mix design, at the Contractor's cost.
- Plain concrete (1:3:6) under masonry footings; Grade 30 reinforced concrete for footings, column shafts, tie beams and beams; Grade 20 for ground-floor slab (130 mm, chip finish).
- Formwork: fair-faced finish using film-coated plywood or equivalent, mould-oiled, measured as net contact area; smooth finish achievable with cement-based putty alone (no plastering).
- Reinforcement: Tor steel (min. 460 N/mm²) and mild steel (min. 250 N/mm²) to BS 4449/SLS 375, free of scale, oil and loose rust; BRC mesh to floor slab; payment to the nearest 0.01 kg.

6. MASONRY WORK (BILL NO. 5)

- Non-load-bearing partitions in 100 mm thick blockwork, laid in 1:5 cement: sand mortar, including scaffolding, plumbing, levelling and curing.
- Random rubble stone work in 1:5 cement: sand/quarry dust mortar (items 5.3–5.5 are nil-quantity/marked "delete" in the BOQ provided — confirm before issue).

7. WATERPROOFING (BILL NO. 6)

- 750-gauge polythene membrane under foundations, ground floor, tie beams, parking area and ramp, laid on compacted earth with laps and edge treatment; effective area measured for payment.

- Concrete gutter waterproofing: 2-part polymer or acrylic-modified cementitious slurry, minimum 1.5 mm thick in two coats, tensile strength > 1.5 N/mm², adhesive strength > 1.0 N/mm²; substrate cleaned of dust/laitance and cured 3 days.
- Construction/expansion joints sealed with an approved sealant (e.g. Bitumix or equivalent), covered with cement rendering.
- Application only by the manufacturer's accredited agent or a licensed specialist, with a 10-year manufacturer's guarantee submitted.

8. METAL WORK (BILL NO. 7)

- All structural/architectural steelwork finished in a 3-coat ISO 12944 C5-M marine paint system: epoxy zinc-rich primer, epoxy MIO intermediate, aliphatic polyurethane topcoat, minimum total DFT 200 µm.
- Gate: GI pipe framing (25 mm and 37.5 mm dia., heavy duty) fixed to concrete columns; shop drawings required before fabrication.
- Boundary fence posts: 3 in. dia. × 2.9 mm GI pipe, up to 8 ft clear height, fixed with stainless-steel anchor bolts, MS rod welded for chain-link fixing, GI coping.
- Grill door: 40×40×2 mm GI box-section frame with aluminium deco grill, hinges and padlock.
- Access ladder: 50 mm dia. heavy-duty GI pipe fixed with Grade 316 stainless-steel anchor bolts, marine paint system.
- Chain-link fencing: PVC-coated GI, 2"×2" mesh, gauge 10, fixed to GI/flat-iron frame with Grade 316 stainless-steel J-bolts and tension cords.

9. ROOF STRUCTURE, ROOF COVERING & ROOF PLUMBING (BILL NO. 8)

- Timber: best-quality, well-seasoned, CCB-treated with certified reports, moisture content 12–15%, free of decay/insect attack, two coats colour less preservative before any paint; steel members to receive GI adhesion promotor plus two coats black matt enamel.
- Indicative member sizes: rafters 50×125 mm, battens 50×50 mm, wall plate/beams 75×100 mm, ridge plate 50×175 mm (subject to site conditions).
- Roof covering: corrugated asbestos-cement sheets fixed with roofing screws/limpet washers or hook bolts suitable for marine conditions; hip roofing on new micro-timber framing fixed with 1/4"×7" stainless-steel Grade 316 or HDG J-bolts.
- Ridging in Calicut-pattern tiles bedded in 1:3 cement: sand mortar, coloured to match tiles.

10. FINISHES (BILL NO. 10)

- Wall plaster: 15 mm thick, 1:5 cement : sand, semi-rough (external) or smooth/skim-coat (internal) finish; hair cracks reinforced with wire netting before plastering.
- Concrete copings on parapet walls: Grade 30 concrete with 1 no. 10 mm dia. Tor bar, formwork and 1:3 cement plaster finish.
- Skim coat (two coats) to internal columns/column faces.
- Reveals: 16 mm thick, 1:5 cement:sand mortar, semi-rough finish.
- Sea-sand testing (chlorine content, gradation, mix design) required if sea sand is proposed, as for concrete work.

11. PAINTING (BILL NO. 11)

- External plastered surfaces (semi-rough): one coat weather shield alkali-resisting sealer, one coat crack-bridging primer, two coats weather shield paint, approved colour.
- Internal smooth plastered surfaces: one primer coat, two coats emulsion, approved colour.
- Exposed concrete surfaces (garage): anti-carbonation paint system.

- All paints/primers of approved make, non-lead pigment; rate to include surface preparation, protection of floors/fittings, removal and refixing of door/window furniture, and a sample panel of not less than 10 m² for approval before full application.

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SECTION – 7

BILL OF QUANTITIES & SCHEDULES

- **Preamble to the Bill of Quantities**
- **Bill of Quantities**
- **Day work Schedule**

PREAMBLE TO THE BILL OF QUANTITIES

01. Conditions of Contract, the Specifications and the Drawings are to be read in conjunction with the Bill of Quantities
02. The cost of complying with all conditions, obligations and liabilities described in the Conditions of Contract, Specifications and the Bill of Quantities including all overhead charges and profit in carrying out the work as shown on the Drawings shall be deemed to be spread over and included in the prices of sums stated by the Bidder in the Bill of Quantities unless separately measured.
03. If the Bidder fails to price any items in the Bill of Quantities then the cost of the work under such items shall be held to be spread over and included in the prices given against other items of work.
04. The quantities set out in the Bill of Quantities are provisional and cover the approximate scope of the work anticipated to be performed by the Contractor. The actual quantities used for final measurement purposes will be determined by the Engineer by measurement of the work completed by the Contractor.
05. When the trade names, brands and or catalogue numbers are referred to, sole preference to any material or equipment is not intended. Any other material or equipment may be used, provided that the characteristic of type, quality, appearance, finish, methods of construction and / or performance is superior than specified.
06. Whenever the method of measurement is not clear from the documents available, the principles as given in the Sri Lanka Standard 573, 1999 Method of Measurement of Building Works shall be applicable.
07. Selected tenderer shall comply with the arrangement of work in the buildings and be ready to work part by part as required by the Authorities of the Employer.
08. Tenderer should be pay special attention to the work to be carried out, causing minimum disturbance or hindrance to the normal functions and activities of the users of the Employer. The Bills of Quantities should therefore, be priced to reflect all factors that would affect the tender and the progress of the works.
09. Items in the Bill of Quantities marked “PROVISIONAL SUM” shall be executed if they are the subject of a written instruction from the Engineer. The rate/amount to be paid for works under Provisional Sum Items may be based on any one of the following methods or as approved by the Engineer.
 - (i) Rates as in BOQ Items where applicable.
 - (ii) Cost supported by purchase Bills from State Organizations or approved suppliers +20%
 - (iii) Amount Paid to the sub contractors as approved by the Engineer +20%
10. Imperial units are used throughout the Bill of Quantities for measurement purposes unless otherwise indicated. Abbreviations used in the Contact are as follows:

L.ft. - Linear Feet	ft ² - Square Feet	nr - Numbers
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**New Garage Construction, Water Tank Renovation, Land Improvement, Gutter & Waterproofing Works, Boundary Wall, Gate and Fencing at Regional Center Galle,
Ocean University Sri Lanka, Bussa**

MAIN SUMMARY		
BILL NO	DESCRIPTION	AMOUNT
		Rs
BILL NO : 1	PRELIMINARIES	
BILL NO : 2	DEMOLITION WORKS AND SITE PREPARATION WORKS	
BILL NO : 3	EXCAVATION AND EARTHWORK	
BILL NO : 4	CONCRETE WORK	
BILL NO : 5	MASONRY WORK	
BILL NO : 6	WATER PROOFING	
BILL NO : 7	METAL WORK	
BILL NO : 8	ROOF STRUCTURE, ROOF COVERING & ROOF PLUMBING	
BILL NO : 9	ELECTRICAL WORK	
BILL NO : 10	FINISHES	
BILL NO : 11	PAINTING	
(a)	Sub Total I	
(b)	Less: Provisional Sums	
(c)	Sub Total II	
(d)	Less Discount if any (.....%)	
(f)	Sub Total III	
(g)	Add: Provisional Sums	
Total estimated amount		-
Physical Contingencies (7%)		-
Total estimated project amount		-
Add: VAT (18%)		-
Grand Total Estimated Project Amount		-

New Garage Construction, Water Tank Renovation, Land Improvement, Gutter & Waterproofing Works, Boundary Wall, Gate and Fencing at Regional Center Galle, Ocean University Sri Lanka, Bussa

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Item	Description	Unit	Qty	Rate (LKR)	Amount (LKR)
1	PRELIMINARIES Refer ICTAD Publication No. ICTAD/ID/04 2nd Edition - June 2009 Note - Following Items to be price as appropriate Insurance and Securities				
1.1	Provisional sum for providing a performance Security (Documents to be submitted)	PS			
1.2	Provisional sum for providing an advanced payment Security (Documents to be submitted)	PS			
1.3	Provisional sum for insurance of works, machinery and equipment, plant, materials, third party persons and properties and Employer's personnel and property at the site as per the contract. (Documents to be submitted)	PS			
1.4	Provisional sum for insurance against accidents and injury to contractor's personnel. (Documents to be submitted)	PS			
1.5	Provide and maintain a qualified Enginner's Representative on site for the full duration of the contract for the supervision work (LKR 75000 x 2 months)	PS			225,000.00
	Contractor's Facilities				
1.6	Allow lump sum for constructing, maintaining, dismantling and removal on completion of the Works of buildings to be used as workshops and stores for perishable materials. Buildings shall be constructed in accordance with the drawings prepared by the Contractor and concurred by the Engineer. The lump sum shall also include for altering, modifying or dismantling and re-erecting within the site at all temporary buildings/structures if required. Contractor shall submit rate analysis comply with the amount of lump sum.	Item			delete
To BILL NO. 01 SUMMARY					225,000.00

New Garage Construction, Water Tank Renovation, Land Improvement, Gutter & Waterproofing Works, Boundary Wall, Gate and Fencing at Regional Center Galle, Ocean University Sri Lanka. Bussa

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Item	Description	Unit	Qty	Rate (LKR)	Amount (LKR)
	Provisional sum for maintenance, rental consumption charges etc. for telephone and facilities, electricity and water services for the Contractor's site office for their use in connection with the Works. (Documentary proof to be submitted if requested by the Engineer)				
1.7	For Telephone	PS			delete
1.8	For Electricity	PS			delete
1.9	For Water	PS			delete
1.10	Allow lump sum for providing accommodation including workers' rest room, kitchen, sick/First Aid room and sanitary facilities for contractors staff and workmen on site in accordance with the plans prepared by the Contractor and concurred by the Engineer. Facilities to Workmen Shall conform to the latest public health and industrial regulations.	Item			delete
	Setting Out				
1.11	Allow lump sum for setting out of Works in accordance with drawings and other written information given by the Engineer.	Item			
	Quality, Standards and Progress				
1.12	Allow lump sum for provision of 3 copies of progress reports (monthly), including photographic records and other schedules included in the CIDA publication - Guidelines for Effective Construction Management. (ICTAD/CM/01), relevant to contract administration as directed by the Engineer	Item			delete
1.13	Allow provisional sum for all costs in connection with preparing samples for testing, making arrangements for testing of materials, goods etc. as stipulated in the specification, obtaining test reports and submitting the same to the Engineer. (Documents to be submitted)	PS			delete
1.14	Allow lump sum for provision of shop drawings, bar schedules etc. for Engineer's approval.	Item			delete
1.15	Allow lump sum for provision of 2 sets of (hard copies and soft copies) as-built drawings of all services for Engineer's approval. (Each set should be bound as a single book incorporating each drawing)	Item			delete
To BILL NO. 01 SUMMARY					-

New Garage Construction, Water Tank Renovation, Land Improvement, Gutter & Waterproofing Works, Boundary Wall, Gate and Fencing at Regional Center Galle, Ocean University Sri Lanka. Bussa

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Item	Description	Unit	Qty	Rate (LKR)	Amount (LKR)
	Health, Safety and Environment				
1.16	Allow lump sum for providing and maintaining a first-aid box and regular supply of medicine, linen etc.	Item			
1.17	Allow lump sum for maintaining the site in clean and orderly manner at all times and during the entire Contract period. The Contractor shall take due care to prevent water stagnation, eliminate mosquito breeding places at the site and this is to be ensured through internal monitoring mechanism..	Item			
1.18	Allow lump sum for demobilization, removal of all rubbish & debris and clearing up site on completion, leaving all in good order and handing over	Item			
1.19	Allow lump sum proper cleaning and maintenance of the contractor's office facilities, worker rest room, wash area and kitchen with good hygienic conditions during the construction period, also supply adequate drinking water, water for washing purposes, soap , detergents, etc.	Item			delete
	Security and Protection				
1.20	Allow lump sum for employing an adequate number of security personnel on full time basis throughout the period of construction and providing for necessary security lighting and warning system. (Documents to be submitted if requested by the Engineer)	Item			delete
1.21	Allow lump sum for providing and maintaining necessary fencing, hoarding and gates for safeguarding the Works, Materials and Plant, as directed by the Engineer.	Item			
1.22	Allow lump sum for protection of public and private services at site. The Contractor shall take due care to protect water supply and drainage systems, telephone and overhead/buried electrical cables etc. whose locations are identified and made available to the bidder at the time of bidding, unless earmarked for demolition, during the execution of the Works. The Contractor is to make good any damage due to any cause within his control at his own expenses or pay any cost and charges in connection therewith.	Item			
To BILL NO. 01 SUMMARY					-

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Item	Description	Unit	Qty	Rate (LKR)	Amount (LKR)
	Services and Facilities				
1.23	Allow lump sum for supplying water for the Works and paying all charges and other expenses in connection with the supply from water mains or any other alternative method of water supply, storage and reticulation. (Documents to be submitted)	Item			delete
1.24	Allow lump sum for supplying temporary electricity for the Works including connection, distribution system for the Works, internal arrangements and all payments to the authorities for consumption and illumination. (Documents to be submitted)	Item			delete
1.25	Allow lump sum for providing small machinery and equipment for the use of the Works at site.	Item			
1.26	Allow lump sum for providing hoisting machinery and equipment for the use of the Works at site.	Item			
1.27	Allow lump sum for erecting and maintaining scaffolding and/or self-climbing platforms, such as scaffolding etc. shall be removed on completion and all works disturbed shall be made good.	Item			
	Miscellaneous				
1.20	Allow lump sum for stamp duty in accordance with the prevailings of the Government	Item			delete
To BILL NO. 01 SUMMARY					-

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Item	Description	Unit	Qty	Rate (LKR)	Amount (LKR)
	PRELIMINARIES				
	SUMMARY				
	PAGE NO. 1B/1				-
	PAGE NO. 1B/2				-
	PAGE NO. 1B/3				-
	PAGE NO. 1B/4				-
	CARRIED TO GENERAL SUMMARY				-

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Item	Description	Unit	Qty	Rate (LKR)	Amount (LKR)
2	DEMOLITION WORKS AND SITE PREPARATION WORKS The bidder is thoroughly advised to visit the proposed work site before rating the BOQ. Necessary shop drawings for some specified works, have to be submitted for approval, if requested by Engineer. <u>Since the cost of scaffolding and material transportation to heights will not be paid separately, those costs are required to be included in relevant items where necessary.</u> The Bidder is required to visit the site of the proposed work as it is his responsibility to ascertain the conditions governing access to the site, working space, storage area etc. Valuable materials arising from demolitions shall be the property of the Employer and shall be stacked in a place within the site as requested by the Employer and shall be handed over properly to the Employer by inventory. Debris shall be cleared away from the proposed site to 5km distance and rates shall be included for cost of same. Demolishing area to be measured and agreed with the Engineer before commencement of work. Any quantity which has not been approved and agreed by the Engineer prior to commencement will not be measured for payments. Prior approval shall be obtained from the Engineer regarding the type and capacities of the plant/equipment to be used in demolition work. Unless or otherwise measured separately, rates for demolition shall include for, (a) Providing necessary temporary support to the elements which are to be demolished. (b) Removing debris. (c) Providing temporary shoring if necessary. (d) Disconnecting, shifting and reconnecting existing services.	Note Note Note Note Note Note Note Note			

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Item	Description	Unit	Qty	Rate (LKR)	Amount (LKR)
	(e) Grubbing up existing foundations where required. (f) The Contractor shall carry out demolition works as per method statement with prior approval using suitable equipment to minimize noise, vibration, dust and damage to the work on an approved method. Rate shall include for necessary precaution for spreading dust The Contractor shall make adequate provisions to reduce the amount of dust pollution and noise from the site. It will be his responsibility for any complaints, damages or claims in connection with the works.	Note			
2.1	Demolition of brick/block masonry work and debris cleared away.	m ³	80		-
2.2	Demolition of reinforced concrete and debris cleared away.	m ³	35		-
2.3	Chipping and removing of external cement plaster carefully on brick/ cement concrete walls without damaging to walls and clearing debris as directed. Clearing and removing of existing loosened and decayed cement mortar material at the vertical and horizontal joints of relevant gaps & cavities and plaster fill with 1:3 cement sand mortar up to original level of the brick.	m ²	50		-
2.4	Removing and stacking corrugated asbestos cement sheets and roof frame (three-storey building). All asbestos removal works to comply with NEA regulations; workers in approved RPE; material double wrapped, labelled, and disposed at designated facility. Marine environment: all fasteners and fixings to be hot-dip galvanized or stainless steel.	m ²	52.75		-
2.5	Allow provisional sum for chemical anchoring. (Method statement should be submitted for the approval of the Engineer.)	PS			35,000.00
To BILL NO. 02 CARRIED TO GENERAL SUMMARY					35,000.00

New Garage Construction, Water Tank Renovation, Land Improvement, Gutter & Waterproofing Works, Boundary Wall, Gate and Fencing at Regional Center Galle, Ocean University Sri Lanka. Bussa

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Item	Description	Unit	Qty	Rate (LKR)	Amount (LKR)
3	EXCAVATION AND EARTHWORK Note - For a comprehensive description of materials and workmanship, please refer to the relevant 'Specification of Works,' 'Preambles,' and 'Drawings.' EXCAVATION Excavation measured is net unless not allowance made for working space. Excavation as follows in any materials met with expect in rock requiring blasting.				
3.1	Remove top soil for preservation ; average depth 150 mm Excavation for the foundation commencing from formed ground level.	m ²	150		-
3.2	Excavation pits depth not exceeding 1.0 m	m ³	10.23		-
3.3	Excavation pits depth 1.0 -2.0 m	m ³	6		-
3.4	Excavation trenches, width > 300 mm, depth not exceeding 1.0 m EARTHWORK SUPPORT Note: (a) Provisional quantities of earth work support are given below. (b) Payment for earth work support will only be considered if physically carried out at the site. (c) Earth work support shall be carried out only if specially introduced to do so by the Engineer.	m ³	1.13		-
3.5	Total depth <= 2.0 m and distance between opposing faces <= 2.0m commencing from formed ground level. Temporary shoring	m ²			delete
3.6	Shoring must be done to retain the soil around the excavated area. Method statement must be approval before commencing the work.	m ²	0	-	delete
To BILL NO. 03 SUMMARY					-

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Item	Description	Unit	Qty	Rate (LKR)	Amount (LKR)
	DISPOSAL				
3.7	Surface water	Item			delete
3.8	Ground water	Item			delete
3.9	Excavated Material; on site	m ³	30		-
3.10	Excavated Material; off site	m ³			delete
	FILLING				
3.11	Backfilling with selected excavated earth to side of column footing foundation 150 mm layers well rammed and consolidated.	m ³	5		-
3.12	Filling with approved sand/ imported gravel to make up level in 150 mm thick layers well rammed and consolidated.	m ³	0		-
3.13	Sand / quarry filling under the column pit and wall foundation average height 500 mm	m ³	0		-
	Special Work				
3.14	Remove existing steel vehicle scale proposed location of new garage area and stock remain items using machine	M.hour	10		-
To Sum					-
	EXCAVATION AND EARTHWORK				
	Page No. 3B/1				-
	Page No. 3B/2				-
	CARRIED BILL NO. 3 SUMMARY				-

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Item	Description	Unit	Qty	Rate (LKR)	Amount (LKR)
4	CONCRETE WORK Note - For a comprehensive description of materials and workmanship, please refer to the relevant 'Specification of Works,' 'Preambles,' and 'Drawings.' Unless otherwise stated all concrete shall be of grade as per Specifications/ Drawings. Rates for concrete shall include for construction joints, expansion joints or contraction joints with mastic filler or 10mm thick regiform where as necessary. Concrete will be measured as the net area /volume, as shown on the drawings. Rate for concrete shall include for : Supply, handling at site, depositing, compacting, vibrating, curing and making good after removal of formwork. Transporting, depositing, handling, hoisting in to position, vibrating ect. and making good after removal of formwork. Preparation of surfaces, roughening/chipping to the approval of the Engineer. Reinforcement and formwork paid separately unless specified in the Item. All major structural concrete works shall be 'Ready mix' concrete of relevant grade. Ready-mixed concrete conforming to SLS 144-1997, and rate includes for transport from batching plant and delivered to site. Rate shall include for necessary tests including cube tests as per the BS 1881 and SCA/4/1. If Contractor proposed to use sea sand for the work, cost for the following tests shall be include for the rates of respective work items; 1. Tested for chlorine content in each batch of sea sand brought to site. 2. Tested for gradation for each batch of sea sand brought to site. 3. Submit mix design according to the gradation for approval. (sample is selected by Engineer)	Note Note Note Note Note Note Note Note Note			

New Garage Construction, Water Tank Renovation, Land Improvement, Gutter & Waterproofing Works, Boundary Wall, Gate and Fencing at Regional Center Galle, Ocean University Sri Lanka. Bussa

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Item	Description	Unit	Qty	Rate (LKR)	Amount (LKR)
	Work up to DPC				
	In-Situ Plain Concrete (Mixed at site either manually or with machine)				
4.1	50mm thick, 1:3:6 (25mm) cement concrete under Random Rubble Masonry foundation and column footing including form work, placing in position, compacting.	m ²	11.52		-
	Reinforced Concrete				
4.2	Grade 30 (20mm) cement concrete for column footings	m ³	1		-
4.3	Grade 30 (20mm) cement concrete for column shaft up to DPC level.	m ³	0.20		-
4.4	Grade 30 (20mm) cement concrete for Ground floor Tie beams	m ³	2.2		-
4.5	Grade 20 (20mm) cement concrete for floor. Slab thickness 130 mm (chip finish)	m ³	13		-
4.6	Grade 20 (20mm) cement concrete trench drain	m ³	0		-
	Above DPC to Roof level				
	Grade 30 (20mm) reinforced cement concrete pour in to formwork				
	Column shaft				
4.7	Ground to First floor level	m ³	0.9		-
4.8	3rd floor level	m ³	0.6		-
	Beams				
4.9	3rd floor level	m ³	0.6		-
4.1	Beams at 1st floor	m ³	3		-
	Slab				
4.11	First Floor level	m ³	0		-
4.12	Sunshade thickness < 150 mm	m ³	0		-
4.13	Lintols	m ³	0	-	-
	FORMWORK				
	Rate for formwork shall include for all necessary boarding, supports, erecting, framing, cutting angles, cleaning, apply approved foam oil, wetting before placing concrete, removal etc.	Note			
To BILL NO. 04 SUMMARY					-

New Garage Construction, Water Tank Renovation, Land Improvement, Gutter & Waterproofing Works, Boundary Wall, Gate and Fencing at Regional Center Galle, Ocean University Sri Lanka. Bussa

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Item	Description	Unit	Qty	Rate (LKR)	Amount (LKR)
	Formwork is measured as the net contact surface measurement between formwork and concrete. Film coated plywood or other equivalent quality approved type of shuttering to be produced to have fair faced concrete finish. Mould oil should be applied to formwork surfaces before using. Rate for formwork shall include for all necessary measures to provide fair face finish in such a way to finish smooth by only applying cement based putty without plastering.	Note			
		Note			
		Note			
	Work up to DPC				
4.14	Formwork for sides of column footings	m ²	11.52		-
4.15	Formwork for sides of column shaft up to DPC level.	m ²	23.52		-
4.16	Formwork for sides of Tie Beams	m ²	10.8		-
4.17	Formwork for sides of the trench drain	m ²	0		-
	Work above to DPC				
	Form work for sides of Column shaft				
4.18	Ground to First floor level	m ²	36		-
4.19	3rd floor level	m ²	7.2		-
	Form work for sides and soffit/side Beams/Slab				
4.2	3rd floor level	m ²	40.8		-
4.21	Ground Level	m ²	20.7		-
	Form work for sides and soffit of Beam				
4.22	Roof level	m ²	0		-
4.23	Form work for sides and soffit of sunshade thickness < 150 mm	m ²	0		-
4.24	Form work for sides and soffit of Lintols	m ²	0		-
	REINFORCEMENT All reinforcement shall be as per relevant British Standards having minimum characteristic strength of 460 N/mm ² for tor steel and 250 N/mm ² for mild steel. All reinforcement shall be free from mill scale, dirt, oil, paint, grease or loose rust before fixing in position and shall be brushed with a stiff wire brush as directed.	Note			
		Note			
To BILL NO. 04 SUMMARY					-

New Garage Construction, Water Tank Renovation, Land Improvement, Gutter & Waterproofing Works, Boundary Wall, Gate and Fencing at Regional Center Galle, Ocean University Sri Lanka. Bussa

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Item	Description	Unit	Qty	Rate (LKR)	Amount (LKR)
	Rate for reinforcement shall include for supplying, cleaning, cutting, bending, fabricating, binding, hoisting, placing in position, binding wires, ties, supporting bars, spaces, wastage, paving cover blocks etc.	Note			
	Payment for bar reinforcement shall be to be nearest second decimal places of a kg.	Note			
	Rate shall include for necessary tests as per the BS 4449 and SLS 375.	Note			
	Work up to DPC				
4.25	Tor steel reinforcement for column footings	kg	85.25		-
4.26	Tor steel reinforcement for column shaft up to DPC	kg	0		-
4.27	Tor steel reinforcement for tie beams	kg	82.16		-
4.28	Tor steel reinforcement for trench drain	kg	0		-
4.29	Mild steel reinforcement for column shaft and tie beam	kg	0		-
4.30	Supplying and Laying in Position 6mm dia, 200 x 200mm size BRC mesh for floor concreting area.	m ²	140		-
	Work above to DPC				
	Tor steel reinforcement of Column shaft				
4.31	Ground to First floor level	kg	355.52		-
4.32	3rd floor level	kg	28		-
	Tor steel reinforcement of Beams				
4.33	3rd floor level	kg	37.8		-
4.34	Beams at roof level	kg	320		-
	Tor steel reinforcement of Slab				
4.35	First Floor level	kg	0		-
4.36	Tor steel reinforcement of sunshade thickness < 150 mm	kg	0		-
4.37	Tor steel reinforcement of Lintols	kg			-
	Mild steel reinforcement of Column shaft				
4.38	Ground to First floor level	kg	0		-
4.39	3rd floor level	kg	150		-
	Mild steel reinforcement of Beams				
4.40	3rd floor level	kg	0		-
4.41	Mild steel reinforcement of Lintols	kg	0		-
To BILL NO. 04 SUMMARY					-

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Item	Description	Unit	Qty	Rate (LKR)	Amount (LKR)
	CONCRETE WORK				
	Page 4B/1				0
	Page 4B/2				-
	Page 4B/3				-
	Page 4B/4				-
	CARRIED TO BILL NO 4 SUMMARY				-

New Garage Construction, Water Tank Renovation, Land Improvement, Gutter & Waterproofing Works, Boundary Wall, Gate and Fencing at Regional Center Galle, Ocean University Sri Lanka. Bussa

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Item	Description	Unit	Qty	Rate (LKR)	Amount (LKR)
5	MASONRY WORK Note - For a comprehensive description of materials and workmanship, please refer to the relevant 'Specification of Works,' 'Preambles,' and 'Drawings.' Construction of non-load bearing partitions using 100mm thick Blocks to be laid in 1:5 cement/sand mortar. Price to include for all necessary scaffolding, plumbing, leveling, curing, and all other incidental works as per the engineer's instructions.				
5.1	Vertical solid wall	m ²	12		-
5.2	Handrail on existing staircase with include molding	m ²	0		-
	STONE WORK 150 -225 mm random rubble stone work in cement and sand/quarry dust (1:5)				
5.3	Thickness 300 mm	m ³			delete
5.4	Thickness 350 mm	m ³			delete
5.5	Thickness 450 mm	m ³	0		delete
To BILL NO. 05 CARRIED TO GENERAL SUMMARY					-

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Item	Description	Unit	Qty	Rate (LKR)	Amount (LKR)
6	WATER PROOFING Note - For a comprehensive description of materials and workmanship, please refer to the relevant 'Specification of Works,' 'Preambles,' and 'Drawings.' Rate shall include for, (a) Cutting to line, notching, bending, and extra material for lapping. (b) Angle fillets (c) Edges (d) Supplying and laying. Gauge 750 polythene membrane laid on compacted earth under foundation, ground floor, tie beams & parking area and ramp. (effective area is measured for payments)				
6.1	Ground floor Rate shall include for, Executing water proofing work strictly as per manufactures instructions and for carrying out work through manufacturers accredited agents or licensed specialist contractors. Fair edges, rounded edges, drips, arises, angle fillets etc., forming internal and external angles additional layers of reinforcing fabric and or flexible membrane at expansion joints and at junction between horizontal and vertical surfaces. Inspection of surface condition, preparatory work. For submitting a guarantee valid for ten years from manufacturer of water proofing system, guaranteeing its effectiveness, material and workmanship. Application 2-part polymer or acrylic-modified cementitious waterproofing slurry to a minimum of 1.5mm thickness with adequate flexibility and sound bond properties. (2coat, single layer application).Tensile Strength shall be greater than 1.5 N/ mm². Adhesive Strength shall be greater than 1.0 N/ mm². Rate to include for cleaning existing concrete surfaces to be free from dust, cement laitance, grout deposits and curing the application for 3 days, all as per specification. and cover with cement rendering construction joints prior application of	m ²	139.08	-	
6.2	In Concrete Gutter Waterproofing	m ²	106.4	-	
To BILL NO. 06 CARRIED TO GENERAL SUMMARY					-

New Garage Construction, Water Tank Renovation, Land Improvement, Gutter & Waterproofing Works, Boundary Wall, Gate and Fencing at Regional Center Galle, Ocean University Sri Lanka. Bussa

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Item	Description	Unit	Qty	Rate (LKR)	Amount (LKR)
7	METAL WORK Note - For a comprehensive description of materials and workmanship, please refer to the relevant 'Specification of Works,' 'Preambles,' and 'Drawings.' Rate Shall include for Apply 3 coat ISO 12944 C5-M marine paint system Engineer approved colour. Coat 1: Epoxy zinc-rich primer, Coat 2: Hi-build epoxy MIO intermediate, Coat 3: Aliphatic PU topcoat; total min. DFT ≥ 200 µm.				
7.1	Prepairing & Fixing to Gate in concrete column as per drawing using to GI pipe 25mm dia in Heavy duty & 37.5mm dia GI pipe in Heavy duty hight in as per Drawing. . Submit shop drawings for approval prior to fabrication.	PS	1	115,000.00	115,000.00
7.2	Supplying and fixing 3" dia. x 2.9 mm thick high quality GI pipe up to 8'-0" clear height above R/R masonry/Concrete wall fixing with SS anchore bold (GI pipe welded with heavy duty MS plate) . MS rod welded to bottom of G.I.Pipe and drilling up to 8Nos. holes to fixed the chain link (chain link measured separately) and GI coping on top. Submit shop drawings for approval prior to fabrication.	m	85.32		-
7.3	Fabrication and fixing to grill door using 40 x 40 x 2 mm GI Box bar frame fixed with Aliminium Deco grill, Hinges with pad lock. Submit shop drawings for approval prior to fabrication. (3 m x 2.1 m)	m ²	18.9		-
7.4	Supply, fabricate, and fix access ladder using 50 mm dia. heavy duty GI pipe. Fix to concrete with stainless steel Grade 316 anchor bolts at top and bottom. Apply 3 coat ISO 12944 C5-M marine paint system Submit shop drawings for approval prior to fabrication.	PS	1	65,000.00	65,000.00
7.5	Supplying & fixing PVC coated G.I .chain link fence (2"x2") of gauge 10 on to existing G lpipe and flat iron frame (GI pipe & flat iron measured separately) completewith tension SS316 J bolts and tension cords. CARRIED TO BILL NO 7 GENERAL SUMMARY	m ²	204.76		-
					180,000.00

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Item	Description	Unit	Qty	Rate (LKR)	Amount (LKR)
8	ROOF STRUCTURE, ROOF COVERING & ROOF PLUMBING Note - For a comprehensive description of materials and workmanship, please refer to the relevant 'Specification of Works,' 'Preambles,' and 'Drawings.' Roof Timber (1) New timber to be used shall be of the best quality well seasoned sawn square and free from sap shaky cracked edges. (2) Contractor has to submit samples of timber (not less than three) to the Engineer for approval and same has to be forwarded for certification of timber Corporation for Quality. In addition to that, samples of timber transported to the site (not less than three) shall be selected by the Engineer and forwarded to the certification of Timber corporation for Quality. Timber without certified quality shall be rejected. cost for same shall be include in the rate of relevant item. (3) All Timber should be CCB treated and reports should be submitted for approval before fixing. (4) All timber sizes indicated shall be finished sizes after planning. (5) All timber free from decayed and insect attack. (6) Maximum moisture content should be 12-15% (7) Rate shall include for application of two coats of colourless wood preservative for all timber. (8) No application of any paint should be made on any timber until the timber is approved by the Engineer. (9) Rate for include for applying Galvanized Iron Adhesion Promotor and two coats of black matt enamel paint to steel members. (10) Rate include for cutting, notching, drilling, sinking, trimming, joining edges and including fixing in position completing with all nails, spikes and screws and priming to joints and ends.	Note Note Note Note Note Note Note			

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Item	Description	Unit	Qty	Rate (LKR)	Amount (LKR)
	Sizes of members of Roof timber Rafters - 50mm x 125mm (Approximately) Timber battens - 50mm x 50mm (Approximately) Wall plate and timber beams- 75mm x 100mm (Approximately) Ridge plate and similar roof members - 50mm x 175mm (Approximately) (above sizes can be change as per site condition) Wall plates and sides of rafters of the roof on which timber ceiling has to be fixed shall be planned and rafters should be aligned to fixed timber plank ceiling.	Note			
8.2	Roof Covering Corrugated asbestos sheets supplied and fixed on existing concrete framework with necessary roofing screws and limpet washers or hook bolts suitable in marine condition	m ²	144		-
8.3	Supply and fix approved quality corrugated asbestos cement hip roofing with 1/4"x7" J-bolts (stainless steel Grade 316 or HDG) with nut & washers on new micro timber frame: 150x75 mm purlin, 150x75 mm wall plate, 150x50 mm ridge, 150x50 mm hip rafters, 100x50 mm rafters @ 750 mm C/C (max span 2.7 m), 50x50 mm bearers; all fixed complete. Hip rafters supported on posts & beams; ridging paid separately. 3rd floor. water tank	m ²	46.80		-
8.4	Ridging with calicut pattern tiles bedded incement & sand mortar 1:3 and coloured to match the tiles.	L.m	10		-
To BILL NO. 08 SUMMARY					-

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Item	Description	Unit	Qty	Rate (LKR)	Amount (LKR)
10	FINISHES				
	WALL FINISHES Rate shall include to (a) Fair joints (b) Outlets, working over and around obstructions, pipes, and the like into recesses and shaped inserts. (c) Bonding agents where included with the work. (d) Patterned work is deemed to included all extra work involved. (e) Bedding mortars (f) Grouting (g) Working over and polishing (h) Plastic corner beadings (i) Supplying and fixing (j) If it is hair cracked appeared in the surface of wall, mild reinforcement (wire netting) to be done before plastering. Samples shall be forwarded by the contractor for prior approval of the Engineer. If Contractor proposed to use sea sand for the work, Cost for the following test shall be include for the rates of respective work items; 1. Tested for chlorine content in each batch of sea sand brought to site. 2. Tested for gradation for each batch of sea sand brought to site 3. Submit mix design according to the gradation for our approval (sample is selected by Engineer)	Note Note Note			
10.1	15mm thick, cement sand 1:5 plaster finished semi rough with wood float on brick walls and concrete faces flush with walls on external surfaces. at Water Tank	m ²	32.8		-
10.2	Copings on the 4 1/2" thick walls, size of 6 1/2"x3" in Grade 30 concrete, reinforced with 1 no of 10mmdia. Tor steel bar, including necessary formwork & 1:3 cement plastering,	m	3.8		-
10.3	15mm thick, cement sand 1:5 plaster finished smooth with skim coat or equivalent on walls and concrete surfaces concrete faces flush with walls on internal faces at Water Tank	m ²	28.8		-
10.4	Applying two coats of skim coat on concrete isolated columns / columns faces on internal surfaces	m ²	21		-
To BILL NO. 10 SUMMARY					-

New Garage Construction, Water Tank Renovation, Land Improvement, Gutter & Waterproofing Works, Boundary Wall, Gate and Fencing at Regional Center Galle, Ocean University Sri Lanka. Bussa

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Item	Description	Unit	Qty	Rate (LKR)	Amount (LKR)
10.5	Reveals exceeding 200 mm, but not exceeding 300 mm wide with 1:5 ct:sand mortar 16.0 mm thick finished semi rough.GF	m	3.8		-
	FLOOR FINISHES Rate shall include to, (a) All extra work involved to patterned work. (b) Fair edges, internal angles for treads and risers (c) Ends angles, ramped and wreathed covers for strings and aprons. (d) Fair edges, rounded edges, covered junctions, angles, and the like for skirting curbs and edges or floors (e) Supplying and fixing of materials	Note			
10.6	Painting floors /plinth wall with one coat of epoxy floor paint including washing and cleaning surfaces.	m ²	0	-	delete
	To BILL NO. 10 SUMMARY				-
	FINISHES				
	PAGE 10B/1				-
	PAGE 10B/2				-
	CARRIED TO BILL NO 10 GENERAL SUMMARY				-

New Garage Construction, Water Tank Renovation, Land Improvement, Gutter & Waterproofing Works, Boundary Wall, Gate and Fencing at Regional Center Galle, Ocean University Sri Lanka. Bussa

Page 11B/1

Item	Description	Unit	Qty	Rate (LKR)	Amount (LKR)
11	PAINTING Rates shall include for, Preparation of surface, cleaning down, to obtain neat surface, sand papering etc. Protection of floors and fittings, removing door and window furniture, and cleaning window etc. upon completion. All weathershield/ floor paints, primer shall be of approved make with non lead pigment. Rate to include for the cost for the sample painting not less than 10m ² .	Note Note Note Note			
11.1	Prepare and apply one coat of Weathershield Alkali Resisting sealer, one coat of crack bridge primer and two coats of weathershield paint of approved colour and quality to external semi rough plastered face of walls, isolated columns and reveals.- Water Tank	m ²	128.8		-
11.2	Prepare and apply one primer coat and two coats of Emulsion paint of approved colour and quality to the internal smooth plastered area.- Water Tank	m ²	28.8		-
11.3	Prepare and apply anticarbonation paint on the concrete suraface - Garage	m ²	60.3		-
11.4	Prepare and apply one coat of Weathershield Alkali Resisting sealer, one coat of crack bridge primer and two coats of weathershield paint of approved colour and quality to external semi rough plastered face of walls, isolated columns and reveals.- Water Tank	m ²	60.3		-
To BILL NO. 11 MAIN SUMMARY					-

DAY WORKS SCHEDULE

No	Description	Unit	Rate
	<u>Materials</u>		
1	Cement	50kg (bag)	
2	Sand	01 cube	
3	$\frac{3}{4}$ " Metal	01 cube	
4	Reinforcement (10mm dia)	01 kg	
5	Reinforcement (6mm dia)	01 kg	
6	Plywood sheet (8'x4')	01 Nos	
7	Bricks (9"tk)	01 Cube	
8	Brick Works (4 $\frac{1}{2}$ ")	01 Sq.ft	
9	Tile Adhesive	01 kg	
10	Tile Grout	01kg	
11	Aluminium works (Door or Partition)	01 Sq.ft	
	<u>Labour</u>		
12	Special Skilled Labour (Carpenter, Electrician, Pipe fitter, Heavy Equipment Operator, Aluminium Fabricator, Tiling)	1 Day	
13	Skilled Labour (Mason, Barbender, Painter, Welder, Mechanic, Glazier, Tinker, Sewerage Labourer)	1 Day	
14	Semi-Skilled Labour (Pump Attendant / Vibrator Operator / Gen-Set Operator etc.)	1 Day	
15	Semi-Skilled Labour (Asst. Mason / Asst. Carpenter / Asst. Bar Bender etc)	1 Day	
16	Unskilled Labour	1 Day	
	<u>Equipment</u>		
17	Hammer Demolition Machine	1 Day	
18	Concrete Breaker	1 Day	
19	Porker	1 Day	
20	Mixer machine	1 Day	
21	Iron Cutting Machine	1 Day	

Signature and seal of the Bidder:

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SECTION – 8

DRAWINGS

(VOLUME – II)

SECTION – 9

**STANDARD FORMS – BID
BID SECURITY**

STANDARD FORMS (BID)

Standard Forms (Bid) applicable to this contract are those given in Section 9 of the Standard Bidding Document for Procurement of Works, Minor Works, ICTAD Publication No. ICTAD/SBD/03, January 2007, published by the Institute for Construction Training and Development (ICTAD).

This publication will not be issued with the Bidding Document.

Standard Forms (Bid) shall be read in conjunction with the Schedule provided under Section 5 of the Bidding Document (VOL -II)

CHECK LIST

Check List for Bidders			
Bidders are advised to fill the following table			
ITEM	ITB Clause	YES (tick)	REFERENCE
Form of Bid			
Addres to the Employer ?	18		
Completed	18		
Signed ?	18		
Bid Security Declaration Form (If required)			
Properly Filled and signed	16		
Bid Security (If Required)			
Addres to the Employer ?	16		
Format as required ?	16		
Issuing Agency as specified ?	16		
Amount as requested ?	16		
Validity 28 days beyond the validity of Bid ?	16		
Qualification Information			
All relevant information completed ?	4		
Signed ?	4		
Addendum			
Contents of the addendum (If any) taken in to account?	10		
Bid Package			
All the documents given in ITB clause 12 encloesd in the orginal and copy?	12		
ITB Clause 19 followed before sealing the Bid Package?	19		