OCEAN UNIVERSITY OF SRI LANKA

INVITATION FOR BIDS

1. The **Chairman, Regional Procurement Committee** on behalf of **the Vice Chancellor, Ocean University of Sri Lanka, Crow Island, Mattakkuliya, Colombo 15** invites sealed bids from eligible and qualified bidders for **Renovate Works of Gutters & Down Pipes at Regional Centre – Panadura, Ocean University of Sri Lanka.**
2. **Bidding will be conducted through Shopping Procedures.**

Item No.	Title	Engineer's Estimate LKR	Refundable Bid Security (Rs.)	ICTAD Grading	Pre - bid meeting location Date & Time
01	Renovate Works of Gutters & Down Pipes at Regional Centre Panadura	**2 Million**	**30,000.00**	**C9**	**Regional Centre Panadura 02.07.2026 10.30 a.m**

3. Interested bidders can download the bid documents from the website of the Ocean University of Sri Lanka,**www.ocu.ac.lk, from 17th June 2026 to 12th July 2026.**
4. Non-refundable bid document fee for ItemRs.**1,000/=should be credited to Ocean University of Sri Lanka Account No.214-1-001-6-3629909,People`s Bank Mattakkuliya Branch, from 17.06.2026 to 12.07.2026** Bank slip should be attached with the bid documents. Otherwise bid will be rejected.

5. Bids shall be delivered to the **Chairman, Regional Procurement Committee, Ocean University of Sri Lanka, Crow Island, Mattakkuliya, Colombo 15** to reach on or before **11.00 a.m. on 13.07.2026.** Late bids will be rejected. Bids will be opened soon after closing in the presence of the bidders' representatives. Project title should be written in top of the left hand side of the envelop.
6. Bids shall be valid up to **63 days** from bid opening date.
7. All bids shall be accompanied by a Bid Security of **Rs. 30,000.00in favor of Vice Chancellor Ocean University of Sri Lanka.** Bid security shall be valid **up to 16.09.2026**
8. A pre-bid meeting will be held as above.
9. Interested bidders may obtain further information from **Engineer(Works),Ocean University of Sri Lanka, Crow Island, Mattakkuliya (Tel: .0773363313.)**

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Chairman,

Regional Procurement Committee,

Ocean University of Sri Lanka,

Crow Island,

Mattakkuliya,

Colombo 15.

THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA

Ocean University of Sri Lanka

Renovation works of Gutters & down Pipes for Ocean University of Sri Lanka at Regional Centre Panadura

Bid No: OCU/Con/Panadura Roof/2026/06

BIDDING DOCUMENT

(VOLUME I & II)

VOLUME –I

VOLUME – II

INVITATION FOR BIDS

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

(VOLUME – I)

SECTION – 1 - INSTRUCTIONS TO BIDDERS

SECTION – 2 - STANDARD FORMS (CONTRACT)

- FORM OF LETTER OF ACCEPTANCE
- AGREEMENT
- PERFORMANCE SECURITY
- ADVANCE PAYMENT SECURITY
- FORM OF RETENTION MONEY GUARANTEE

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) forVolume 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

Renovate works of Gutters & down Pipes at Ocean University of Sri Lanka, Regional Centre – Panadura

01. **The Chairman, Regional Procurement Committee** on behalf of the **Vice Chancellor, OceanUniversity of Sri Lanka** now invites sealed bids from eligible and qualified bidders for Proposed Renovation **works of Gutters & down Pipes** for Ocean University of Sri Lanka at Panadura.(OCU/Con/Panadura Roof/2026/01) with the approximate estimated cost of Rs. 2 million (including VAT).

    a. The works consists of roof plumbing works, as per the BOQ descriptions
    b. The Construction Period is 90 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 C9 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.10Million**

    {ii}Completion of at least one project of as the main contractor of a similar nature and complexity to a value of **Rs7Million**over last 5 years.

    {iii}Minimum amount of liquid assets and/or credit facilities net of other contractual commitments shall be Sri Lankan **Rs.3Million**which should be made available exclusively for this project.

05. Interested bidders may obtain further information from **Engineer (works), Ocean University of SriLanka,Matakkuliya,Colombo 15** and inspect the bidding documents at the address given below from **0900 hrs** to **1500hrs** 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 SriLanka,Crow Island, Mattakkuliya,Colombo 15**or before **11.00 hrs**. On **13.07.2026** 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. 30,000.00** valid up to **16.09.2026**

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 **10.30hrs.** On **02.07.2026 at Panadura 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: Renovate works of Gutters & down Pipes at Ocean University of Sri Lanka, Regional Centre – Panadura

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 this ……..……..day of ……..……2026 in the capacity of ……..……duly 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	C9 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 7Million

Signature of Bidder : ……

(VOLUME – II)

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 Center,Uyankale Road, Ocean University of Sri Lanka, Panadura.
	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 removal and replacement of damaged roof covering and timber members, application of wood preservative and all associated works as specified in the Bills of Quantities and Drawings. Contract Name: Renovate works of Gutters & down Pipes at Ocean University of Sri Lanka, Regional Centre – Panadura Contract No :OCU/Con/Panadura Roof/2026/06
1	1.1.14	Intended Completion Date	Intended Completion Date is **90 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: C9 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. 30,000.00 valid up to 16.09.2026 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	LateCompletio n	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 180 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 14.0	Adjudicator Resolution of Disputes	The Adjudicator proposed by the Employer is the Person appointed by **CIDA from the Panel of Adjudicators.** 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.

(VOLUME – II)

SECTION – 6

SPECIFICATIONS

SPECIFICATIONS

GENERAL SPECIFICATIONS

The works under this Contract shall be executed in accordance with the Specifications given in the following documents issued by the Construction Industry Development Authority (CIDA), 'Savsiripaya', 123, Wijerama Mawatha, Colombo 07:

Description	Publication No.
Specifications for Building Works Vol. (I), Sri Lanka. Third Edition (Revised), July 2004	SCA/4 (Vol. I)
Specification for Building Works Vol. (II), Sri Lanka. Second Edition (Revised), October 2001	SCA/4 (Vol. II)

Bidders are advised to visit the site and familiarise themselves with the marine environment conditions prior to bidding. The cost of complying with all marine environment special specifications shall be deemed included in the rates quoted in the Bill of Quantities.

GENERAL PROVISIONS

1.1 Scope of Works

This specification forms part of the Bidding Document whichworks comprise the removal and disposal of existing deteriorated roof rainwater goods and the supply, fabrication, and installation of new ASA-coated uPVC rainwater gutters, downpipes, fittings, aluminum fascia/barge boards, and valance boards at Panadura Regional Centre, complete with all scaffolding, preliminaries, and ancillary works as described in the attached Bill of Quantities.

1.2 Site Condition — Marine / Coastal Environment

The site is located within a coastal belt and is classified as a Severe Marine Atmospheric Environment (Corrosivity Category C5-M, per ISO 12944-2 / BS EN ISO 9223). The Contractor's attention is specifically drawn to the following implications, which shall govern the selection of all materials, fasteners, fixings, coatings, and sealants used in these Works:

- Continuous exposure to airborne salt-laden moisture, high humidity, and direct UV/solar radiation typical of tropical coastal climates.
- Accelerated corrosion rates for ferrous metals and unprotected aluminium alloys; galvanic corrosion risk where dissimilar metals are in contact.
- All materials specified shall carry documented suitability for marine/coastal exposure and shall be installed strictly per manufacturer's marine installation guidelines.
- Where any material, fixing, or accessory is not explicitly covered by this specification, the Contractor shall propose an equivalent marine-grade alternative for the Engineer's written approval prior to procurement or installation.

1.3 Order of Precedence

In the event of any discrepancy between this Specification Sheet, the Drawings, the Bill of Quantities, and the General/Special Conditions of Contract issued under SBD/03, the order of

precedence shall be as stated in the Special Conditions of Contract. Where this Specification is silent, the latest edition of the ICTAD/CIDA Specifications for Building Works and relevant SLS/BS/ISO standards shall apply.

1.4 Standards and Codes of Practice

All materials and workmanship shall comply with the latest editions of the following (or recognised international equivalents), with priority given to provisions addressing marine/coastal durability:

- SLS / BS EN 607 — uPVC gutters and fittings
- BS EN ISO 9223 / ISO 12944 — Corrosion classification and protection of metal structures for atmospheric environments
- BS 6262 / BS 8000 Part 7 — Code of practice for sheet roof and wall coverings, glazing and roof drainage
- SLS 1130 — Specification for unplasticized PVC (PVC-U) products
- ASTM D4216 / ASTM B117 (salt-spray resistance) — for verification of coatings and finishes where required
- CIDA / ICTAD Specifications for Building Works (latest edition) — General workmanship clauses
- Manufacturer's published technical data sheets and installation manuals for all proprietary products

SECTION 2 — MATERIAL SPECIFICATIONS

2.1 ASA-Coated uPVC Roofing Sheet / Gutter & Downpipe System (Reference Standard)

Although the principal scope of this contract is rainwater goods (gutters, downpipes and fascia/valance boards), the following co-extruded ASA+uPVC product standard establishes the minimum acceptable material quality benchmark for all uPVC components supplied under this contract, given the marine exposure of the site:

- Approved products/brands: iRoof Max (Idea Industries), Anton Armour, S-Lon, or Engineer-approved equal of equivalent or superior specification.
- Structure: minimum 4-layer co-extrusion comprising an ASA top coat (LG Chem ASA resin or equivalent preferred), a rigid uPVC structural core, and a UV-inhibited white inner layer.
- Colour and UV stability: colour to be selected by the Employer at handover; the ASA outer layer shall guarantee colour stability and resistance to chalking/fading for a minimum period of 10 years under tropical coastal UV exposure.
- Warranty: a 10-year written manufacturer's warranty against fading, brittleness, cracking, and perforation is mandatory and shall be submitted with the material submittal/sample approval request.
- Fire performance: minimum fire rating of V0 (self-extinguishing) per UL 94 or equivalent, given the institutional/university occupancy of the building.
- Jointing tolerances (where applicable to sheeted components): side lap not less than 150 mm; end lap not less than 200 mm; fixings to be stainless steel cap screws at every purlin crossing.
- Self-weight: approximately 4–6 kg/m², selected to minimise additional structural loading on the existing roof frame.

2.2 ASA-Coated uPVC Gutters

Profile / Size	Rectangular eave gutter, nominal 6" (150 mm), to match existing roof drainage capacity
Material	ASA-coated co-extruded uPVC as Clause 2.1, white colour (or as instructed by the Engineer)
Length	Standard manufactured lengths of 3.66 m, with 10% allowance for waste and laps included in measurement
Joints	Factory-made gutter joint/connector units with rubber/EPDM seal, fully bedded and sealed
Corner / Mitre Joints	Purpose-made 90° external/internal mitre or angle joints, factory fabricated, sealed
End Caps	uPVC stop-end caps, sealed, fitted at all gutter terminations
Outlets	uPVC gutter outlet/drop units at each downpipe connection, fully sealed to gutter and downpipe
Brackets / Supports	uPVC fascia/valance-type brackets at maximum 600 mm centres, fixed with stainless steel (SS316) fasteners into sound structure
Sealant	Marine-grade, neutral-cure silicone sealant applied to all gutter joints, end caps, outlets and bracket penetrations
Falls	Gutters to be set to a minimum fall of 1:350 (or as required to match existing outlet positions) towards outlets, free from ponding

2.3 ASA-Coated uPVC Downpipes

Diameter	3.5" (90 mm) nominal diameter, circular section
Material	ASA-coated co-extruded uPVC as Clause 2.1, white colour (or as instructed)
Length	Standard 3.66 m (12 ft) lengths with 10% allowance for waste and joints
Bends / Offsets	90° factory-moulded bends/offsets at roof connection (swan-neck) and at base (shoe), sealed at all joints
Clips / Brackets	uPVC pipe clips fixed to the wall at maximum 1.8 m centres using stainless steel (SS316) screws and marine-grade plastic plugs suitable for the substrate
Joints	Solvent-welded or rubber-ring sleeve joints, with marine-grade silicone sealant applied at all sleeve joints as a secondary seal
Shoe / Discharge	uPVC discharge shoe set approximately 100 mm above finished ground/paved level, with surrounding mortar haunching to direct discharge away from the building

2.4 Aluminium Fascia, Barge Board and Valance Board

Alloy / Grade	Aluminium alloy 5052-H32 (or approved marine-grade equivalent), 2 mm nominal thickness
Profile — Fascia / Barge Board	300 mm wide, custom-fabricated profile incorporating a 20 mm return lip for rigidity, shop-fabricated in nominal 3 m lengths
Profile — Valance Board	Custom profile to match existing valance line and drainage detail, shop-fabricated, dimensions to suit drawing/site survey
Surface Finish	Factory-applied polyester powder coating, minimum 60

	micron dry film thickness, colour as selected by the Employer, suitable for C5-M marine exposure category
Fixings	Stainless steel grade 316 (SS316) screws/rivets only — no mild steel, galvanised, or aluminium fixings of dissimilar/incompatible grade permitted in direct contact with the panels
Joints	Riveted lap or butt joints with aluminium joint cover trims at approximately 3 m centres at all butt joints, factory powder coated to match
Corners	Purpose-fabricated external mitre corner pieces, powder coated, riveted, fully sealed
Sealant	Marine-grade polyurethane sealant (Sikaflex-221 or Engineer-approved equivalent) applied to all joints, laps, fixing penetrations and cavities — coastal specification, UV and salt-spray resistant
Isolation from Dissimilar Metals	Where aluminium components are fixed to or come into contact with steel, concrete, or other dissimilar materials, an approved isolating barrier (e.g. bituminous tape, nylon washers, or approved isolating compound) shall be provided to prevent galvanic/bimetallic corrosion

2.5 General Material Requirements for Marine Condition

- All fasteners, screws, rivets, brackets, clips, and cleats used in this contract shall be stainless steel grade 316 (SS316) as a minimum, unless the component is an integral part of a uPVC system using its own factory-matched fixings.
- No mild steel, electro-galvanised, or hot-dip galvanised fasteners shall be permitted in exposed or semi-exposed locations on this project.
- All sealants used in exposed rainwater goods, fascia, and valance work shall be marine-grade, UV-stable, neutral-cure silicone or polyurethane sealants as specified (e.g. Sikaflex-221 or equivalent).
- All materials delivered to site shall be accompanied by manufacturer's certificates of compliance, technical data sheets, and (where specified) written warranty documents, and shall be stored in accordance with the manufacturer's recommendations prior to fixing.
- Sample panels/sections of each major component (gutter, downpipe, fascia, valance board) shall be submitted to the Engineer for approval of colour, finish, and profile prior to bulk procurement.

SECTION 3 — METHOD OF WORKING & WORKMANSHIP

3.1 Preliminaries

1. The Contractor shall erect, maintain, and subsequently dismantle a full-perimeter tubular steel scaffold to the building (approx. 55 m perimeter × 11 m height, 3-storey), complete with all working platforms, boards, guard rails, and ties to the wall, for the duration of the works (allow minimum 4 weeks hire).
2. The Contractor shall provide general site protection, daily cleaning, site management, and removal/disposal of all waste arising from the gutter renovation works to a licensed disposal site, in accordance with local environmental regulations.
3. All scaffolding shall be erected and inspected by a competent person prior to use and shall be tagged accordingly. Particular care shall be taken regarding wind loading given the coastal/exposed nature of the site.

3.2 Demolition and Removal of Existing Works

4. The Contractor shall carefully remove and dispose of all existing deteriorated zinc-aluminium (ZnAl) gutters with valance boards, of all sizes, including all brackets, joints, end caps, and fittings, and shall cart away the resulting waste from site to an approved disposal location.
5. The Contractor shall remove and dispose of all existing ZnAl downpipes (3"–4" diameter), including all clips and fittings, and cart away from site.
6. The Contractor shall remove and dispose of all existing ZnAl/timber bargeboards (any width up to 300 mm), including fixing nails, and cart away from site.
7. Removal works shall be carried out in a manner that avoids damage to the existing roof structure, walls, finishes, and surrounding property. Any incidental damage caused by the Contractor's operations shall be made good at the Contractor's own cost to the satisfaction of the Engineer.
8. Salvaged materials remain the property of the Employer unless otherwise instructed; the Contractor shall set aside and hand over any items identified by the Engineer for retention prior to disposal of the remainder.

3.3 Installation — ASA-Coated uPVC Gutters

9. New gutters shall be installed at all levels (ground to 3rd floor / roof eaves) at the correct falls to direct rainwater to the outlets, using the scaffolding provided under Preliminaries.
10. All gutter lengths, joints, mitres, end caps, and outlets shall be installed strictly per the manufacturer's installation instructions, with all rubber seals correctly seated and all sealant joints tooled to a smooth, weathertight finish.
11. Gutter brackets shall be fixed at not more than 600 mm centres into sound substrate using marine-grade stainless steel fixings, with packing/shimming as required to achieve correct line and fall.

12. Marine-grade neutral-cure silicone sealant shall be applied to all gutter joints and fixing penetrations as specified in Clause 2.2, and shall be allowed to cure per manufacturer's instructions before the gutter is subjected to water flow.

13. On completion, all gutters shall be tested for correct fall and watertightness by means of a hose/water test in the presence of the Engineer's representative, with any leaks or ponding rectified prior to handover.

3.4 Installation — ASA-Coated uPVC Downpipes

14. Downpipes shall be installed full-height (approx. 11 m per run for the 3-storey building) using 3.66 m lengths jointed with the specified rubber-ring/solvent-weld joints and secondary marine-grade silicone sealant at all sleeve joints.

15. Downpipes shall be fixed plumb and true to the wall using uPVC pipe clips at maximum 1.8 m centres, with stainless steel (SS316) fixings and plugs suitable for the wall substrate, allowing for thermal movement per manufacturer's recommendations.

16. 90° bends/offsets shall be installed at the gutter outlet connection (top) and at the base of each downpipe run (shoe connection), correctly aligned and sealed.

17. Discharge shoes shall be set approximately 100 mm above finished ground/paved level and shall be provided with mortar haunching to securely anchor the shoe and direct discharge away from the building foundation, into the existing surface water drainage system.

18. Each downpipe run shall be flow-tested with water prior to handover to confirm freedom from blockages, leaks, and correct discharge.

3.5 Installation — Aluminium Fascia, Barge Board and Valance Board

19. Fascia/barge boards (300 mm wide, 2 mm aluminium alloy 5052-H32) shall be shop-fabricated in approximately 3 m lengths with a 20 mm return lip and fixed to the existing structure using SS316 screws at centres recommended by the manufacturer, ensuring all dissimilar-metal contact points are isolated as per Clause 2.5.

20. Valance boards (custom profile, 2 mm aluminium alloy) shall be fabricated and fixed in a similar manner, aligned to match the new gutter line and existing architectural detailing.

21. All joints, including butt joints at approximately 3 m centres, shall be fitted with matching joint cover trims, riveted and sealed with marine-grade sealant (Sikaflex-221 or approved equivalent).

22. External corners shall be finished with purpose-fabricated, corner pieces, riveted and sealed to provide a continuous weathertight and aesthetically uniform appearance.

23. On completion of fixing, all exposed cut edges, drill holes, and rivet heads shall be touched up with a matching marine-grade protective coating to prevent edge corrosion of the aluminium substrate.

SECTION 4 — QUALITY ASSURANCE, SUBMITTALS & WARRANTY

4.1 Submittals

- Manufacturer's technical data sheets and certificates of compliance for all uPVC, ASA-coated, aluminium, sealant, and fastener products proposed for use.
- Sample panels of gutter, downpipe, fascia, and valance board sections (minimum 300 mm length) for colour and finish approval prior to ordering.
- Written 10-year manufacturer's warranty against fading, brittleness, and perforation for the ASA-coated uPVC components, as a condition precedent to acceptance of materials on site.
- Method statement for scaffolding erection, demolition sequence, and installation methodology, for the Engineer's review prior to commencement of works.

4.2 Inspection and Testing

- All removal works shall be inspected by the Engineer/ Engineer’s Re-presentative prior to commencement of new installation works.
- Hose/water testing of all gutters and downpipes shall be carried out in the presence of the Engineer's representative prior to final handover, with results recorded.
- Random sampling of fixings shall be carried out to confirm compliance with the SS316 specification (e.g. by checking manufacturer's markings/certificates).

4.3 Defects Liability and Maintenance

The Contractor shall remain responsible for rectifying any defects, leaks, loose fixings, sealant failures, or corrosion arising from non-compliant materials or workmanship during the Defects Liability Period stated in the Contract Data, in addition to honouring the 10-year material warranty referred to in Clause 4.1, which shall be assigned/transferred to the Employer at the time of issue of the Taking-Over Certificate.

(VOLUME – II)

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 B O Q 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

Renovation works of Gutters & down Pipes for Ocean University of Sri Lanka at Regional Centre Panadura

MAIN SUMMARY		
	DESCRIPTION	**AMOUNT**
		Rs
	PRELIMINARIES & DEMOLITION WORK	
	ROOF PLUMBING WORKS	
(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 (10%)		-
Total estimated project amount		-
Add: VAT (18%)		-
Grand Total Estimated Project Amount		**-**

Renovation works of Gutters & down Pipes for Ocean University of Sri Lanka at Regional Centre Panadura

Item	Description	Unit	Qty	Rate (LKR)	Amount (LKR)
	Roof Plumbing				
	Product: ASA+UPVC co-extruded fittings—e.g. iRoof Max (Idea Industries), Anton Armour, S-Lon, or approved equal.	Note			
	Structure: minimum 4-layer including ASA top coat (LG ASA resin preferred) + UPVC core + UV-inhibited white inner layer.	Note			
	Colour: owner's choice. ASA layer guarantees colour stability > 10 years in tropical coastal UV.	Note			
	10-year manufacturer's written warranty against fading, brittleness and perforation — mandatory.	Note			
	Fire rating: V0 (self-extinguishing). Relevant for university occupancy.	Note			
	Side lap: minimum 150 mm. End lap: minimum 200 mm. Fixing: stainless cap screws at every purlin crossing.	Note			
	Weight: ≈ 4–6 kg/m² — significantly lighter than tiles, reducing structural demand on frame.	Note			
	2mm Al alloy 5052-H32, 300mm wide fascia profile, powder coated, custom fabricated in shop, SS316 fixed	Note			
1	**PRELIMINARIES**				
1.1	Erect, maintain and dismantle tubular steel scaffolding – full perimeter 3-storey building (assume ~55m perimeter × 11m height); hire 4 weeks, incl. all lifts, boards, guard rails and ties to wall	PS			70,000.00
1.2	General protection, cleaning, site management, waste disposal – gutter renovation project	Item	1		12,000.00
1.3	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			150,000.00
2	**DEMOLITION & REMOVAL OF EXISTING WORKS**				
2.1	Remove & dispose of existing deteriorated ZnAl gutter with valance board, all sizes incl. all brackets, joints, end caps and fittings – cart away from site	m	35.00		-
2.2	Remove & dispose existing ZnAl downpipe 3"–4" dia, incl. all clips and fittings – cart away from site	m	128.00		-
2.3	Remove & dispose existing ZnAl/timber bargeboard, any width up to 300mm, incl. fixing nails – cart away from site	m	45.00		-
	PAGE 01 SUMMARY				**232,000.00**

Renovation works of Gutters & down Pipes for Ocean University of Sri Lanka at Regional Centre Panadura

Item	Description	Unit	Qty	Rate (LKR)	Amount (LKR)
3	**ASA COATED uPVC GUTTER**				
3.1	Supply & fix 6" (150mm) coated uPVC rectangular eave gutter – 3.66m length per piece, incl. 10% waste & laps. All levels (ground to 3rd floor) – scaffolding included in Preliminaries (White Colour)	m	35		-
3.2	Supply & fix gutter joint/connector (rubber seal type), uPVC – at every 3.66m joint	Nr	8		-
3.3	Supply & fix uPVC gutter mitre/angle joint (external or internal corner 90°)	Nr	8		-
3.4	Supply & fix uPVC gutter stop end cap	Nr	8		-
3.5	Supply & fix uPVC gutter outlet/drop (connection to downpipe)	Nr	6		-
3.6	Supply & fix uPVC gutter bracket (fascia/valance board type) at 600mm c/c	Nr	60		-
3.7	Apply silicone sealant (marine grade, neutral cure) to all gutter joints and fixings	Nr	15		-
4	**ASA COATED uPVC DOWNPIPE**				
4.1	Supply & fix uPVC downpipe 3.5" (90mm) dia, 3.66m (12ft) lengths, incl. 10% waste; full height 3-storey ~11m/pipe run, fixed with uPVC clips at 1.8m centres to wall, incl. silicon sealant at sleeve joints (white)	m	128		-
4.2	Supply & fix uPVC downpipe bend/offset 90° at top connection and bottom shoe	Nr	12		-
4.3	Supply & fix uPVC downpipe pipe clip (bracket to wall) at 1800mm centres	Nr	240		-
4.4	Supply & fix uPVC downpipe shoe (bottom discharge, 100mm from ground) including mortar haunching	Nr	6		-
5	**2 mm Aluminium Badge & Flasing**				
5.1	Supply, fabricate & fix 2mm aluminium bargeboard/fascia 300mm wide, with 20mm return lip; shop-fabricated in 3m lengths; powder coated (any colour); SS316 screw fixed to existing structure; incl. 10% waste, riveted joints, sealant at all joints	m	45		-
5.2	Aluminium bargeboard external mitre corner piece – fabricated, powder coated, riveted	Nr	8		-
5.3	Aluminium joint cover trim at butt joints (every 3m) – fabricated, powder coated	Nr	16		-
5.4	Marine-grade sealant (Sikaflex-221 or equivalent) at all joints, fixing cavities – coastal specification	m	45		-
5.5	Supply, fabricate & fix 2mm aluminium valanced board – custom profile, powder coated; SS316 fixed; incl. 10% waste, riveted joints, sealant	m	35		-
	PAGE 02 SUMMARY				-

DAY WORKS SCHEDULE

No	Description	Unit	Rate
	Materials		
1	Cement	50kg (bag)	
2	Sand	01 cube	
3	¾" 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 ½")	01 Sq.ft	
9	Tile Adhesive	01 kg	
10	Tile Grout	01kg	
11	Aluminium works (Door or Partition)	01 Sq.ft	
	Labour		
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	
	Equipment		
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 – ll)

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		