



SRI LANKA INSTITUTE OF TEXTILE AND APPAREL

**BIDDING DOCUMENT
NATIONAL SHOPPING – WORKS**

**Invitation of Quotation
For
Procurement of
Landscape of SLITA Front Area**

SLITA/PRO/LSCP/03/2025

Sri Lanka Institute of Textile Apparel,
Kandawela Estate No.02,
General Sir John Kotalawela Road,
Ratmalana.

Section I. Instructions to Bidders (ITB)

A: General	
1. Scope of Bid	1.1 The Purchaser named in the Data Sheet invites you to submit a quotation for the supply of Service & Goods as specified in Section III Schedule of Requirements. Upon receipt of this invitation, you are requested to acknowledge the receipt of this invitation and your intention to submit a quotation. The Purchaser may not consider you for inviting quotations in the future, if you failed to acknowledge the receipt of this invitation or not submitting a quotation after expressing the intention as above.
B: Contents of Documents	
2. Contents of Documents	2.1 The documents consist of the Sections indicated below. <ul style="list-style-type: none">● Section I. Instructions to Bidder (ITB)● Section II. Standard Forms (Contract)● Section IV. Form of Bid and Qualification Information● Section V. Bidding Data● Section VI. Contract Data● Section VII. Bills of Quantities
C: Preparation of Quotation	
3. Documents Comprising your Quotation	3.1 The Quotation shall comprise the following: (a) Quotation Submission Form and the Price Schedules;
4. Quotation Submission Form and Price Schedules	4.1 The bidder shall submit the Quotation Submission Form using the form furnished in Section V. This form must be completed without any alterations to its format, and no substitutes shall be accepted. All blank spaces shall be filled in with the information requested. 4.2 Alternative offers shall not be considered. The bidders are advised not to quote different options for the same item but furnish the most competitive among the options available to the bidder.
5. Prices and Discounts	5.1 Unless specifically stated in Data Sheet, all items must be priced separately in the Price Schedules. 5.2 The price to be quoted in the Quotation Submission Form shall be the total price of the Quotation, including any discounts offered. 5.3 The applicable VAT shall be indicated separately. 5.4 Prices quoted by the bidder shall be fixed during the bidder's performance of the Contract and not subject to variation on any account. A Quotation submitted with an adjustable price shall be treated as non-responsive and may be rejected.
6. Currency	6.1 The bidders shall quote only in Sri Lanka Rupees.

7. Documents to Establish the Conformity of the Services	<p>7.1 The bidder shall furnish as part of its quotation the documentary evidence that the services conform to the requirements and standards specified in Section III.</p> <p>7.2 The documentary evidence may be in the form of literature, drawings, or data, and shall consist of a detailed item-by-item description of the essential technical and performance characteristics of the Services and Goods, demonstrating substantial responsiveness of the Goods to the technical specifications, and if applicable, a statement of deviations and exceptions to the provisions of the Technical Specifications given.</p> <p>7.3 If stated in the Data Sheet the vendor shall submit a certificate from the manufacturer to demonstrate that it has been duly authorized by the manufacturer or producer of the Goods to supply these Goods in Sri Lanka.</p>
8. Period of Validity of quotation	8.1 Quotations shall remain valid for the period of fourteen (49) days after the quotation submission deadline date.
9. Format and Signing of Quotation	9.1 The quotation shall be typed or written in indelible ink and shall be signed by a person duly authorized to sign on behalf of the bidder.

D: Submission and Opening of Quotation

10. Submission of Quotation	<p>10.1 Bidders may submit their quotations by mail or by hand in sealed envelopes addressed to the Purchaser bearing the specific identification of the contract number.</p> <p>10.2 If the quotation is not sealed and marked as required, the Purchaser will assume no responsibility for the misplacement or premature opening of the quotation.</p>
11. Deadline for Submission of Quotation	11.1 Quotation must be received by the Purchaser at the address set out in Section II, "Data Sheet", and no later than the date and time as specified in the Data Sheet.
12. Late Quotation	12.1 The Purchaser shall reject any quotation that arrives after the deadline for submission of quotations, in accordance with ITB Clause 11.1 above.
13. Opening of Quotations	<p>13.1 The Purchaser shall conduct the opening of quotation in public at the address, date, and time specified in the Data Sheet.</p> <p>13.2 A representative of the bidders may be present and mark its attendance.</p>

E: Evaluation and Comparison of Quotation

14. Clarifications	<p>14.1 To assist in the examination, evaluation and comparison of the quotations, the Purchaser may, at its discretion, ask any vendor for a clarification of its quotation. Any clarification submitted by a bidder in respect to its quotation which is not in response to a request by the Purchaser shall not be considered.</p> <p>14.2 The Purchaser's request for clarification and the response shall be in writing.</p>
15. Responsiveness of Quotations	<p>15.1 The Purchaser will determine the responsiveness of the quotation to the documents based on the contents of the quotation received.</p> <p>15.2 If a quotation is evaluated as not substantially responsive to the documents issued, it may be rejected by the Purchaser.</p>

17. Purchaser's Right to Accept any Quotation, and to Reject any or all Quotations	17.1 The Purchaser reserves the right to accept or reject any quotation, and to annul the process and reject all quotations at any time prior to acceptance, without thereby incurring any liability to bidders.
F: Award of Contract	
18. Acceptance of the Quotation	18.1 The Purchaser will accept the quotation of the bidder whose offer has been determined to be the lowest evaluated bid and is substantially responsive to the documents issued.
19. Notification of acceptance	19.1 Prior to the expiration of the period of validity of quotation, the Purchaser will notify the successful bidder, in writing, that its quotation has been accepted.

Section II

- Letter of acceptance
- Agreement
- Performance security
- Advance payment security
- Retention money guarantee

FORM OF LETTER OF ACCEPTANCE
[Letter heading paper of the procuring entity]

..... *[date]*

To: ----- *[name and address of the Contractor]* -----

This is to notify you that your bid dated ----- *[insert date]* for the construction and remedying defects of the ----- *[name of the Contract and identification number]* for the Contract price of *[name of currency]* *[amount in figures and words]* as corrected in accordance with Instructions to Bidders and/ or modified by a Memorandum of Understanding, is hereby accepted.

You are hereby instructed to proceed with the execution of the said Works in accordance with the Contract documents.

The Commencement Date shall be: *(fill the date as per Clause 8.1 of Conditions of Contract)*.

The amount of Performance Security is *(fill the amount as per Clause 4.2 of Conditions of Contract)*.

The Performance Security shall be submitted on or before *(fill the date as per Clause 4.2 of Conditions of Contract)*.

Authorized Signature:

Name and title of Signatory:

FORM OF AGREEMENT

This Agreement made the [day] of [month] 200..... [year], between [name and address of Employer] (hereinafter called and referred to as "the Employer"), of the one part, and [name and address of Contractor] (hereinafter called and referred to as "the Contractor"), of the other part:

Whereas the Employer desires that the Contractor execute
[name and identification no of Contract] (hereinafter called and referred to as "the Works") and
the Employer has accepted the Bid by the Contractor for the execution and completion of such
Works and remedying of any defects therein.

The Employer and the Contractor agree as follows:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Contract.
2. In consideration of the payments to be made by the Employer to the Contractor as indicated in this Agreement, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all respects with the provisions of the Contract.
3. The Employer hereby covenants to pay the Contractor in consideration of the execute and complete the Works and remedy any defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

In Witness whereof the parties hereto have caused this Agreement to be executed the day and year aforementioned in accordance with laws of Sri Lanka.

Authorized signature of Contractor

Authorized signature of Employer

COMMON SEAL

COMMON SEAL

In the presence of Witnesses:

1. Name and NIC No.
Signature
Address
2. Name and NIC No.
Signature
Address

FORM OF PERFORMANCE SECURITY
(Unconditional)

----- *[Issuing Agency's Name, and Address of Issuing Branch or Office]* -----

Beneficiary: ----- *[Name and Address of Employer]*

Date:

PERFORMANCE GUARANTEE No.:

We have been informed that ----- *[name of Contractor]* (hereinafter called "the Contractor") has entered into Contract No. ----- *[reference number of the Contract]* dated ----- with you, for the ----- *[insert "construction"]* of ----- *[name of Contract and brief description of Works]* (hereinafter called "the Contract").

Furthermore, we understand that, according to the Conditions of the Contract, a performance guarantee is required.

At the request of the Contractor, we ----- *[name of Agency]* hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of ----- *[amount in figures]* (.....) *[amount in words]*, upon receipt by us of your first demand in writing accompanied by a written statement stating that the Contractor is in breach of its obligation(s) under the Contract, without your needing to prove or to show grounds for your demand or the sum specified therein.

This guarantee shall expire, no later than the day of, 20.. *[insert date, 28 days beyond the Time for Completion]* and any demand for payment under it must be received by us at this office on or before that date.

[signature(s)]

FORM OF ADVANCE PAYMENT SECURITY

----- [Name and address of Agency, and Address of Issuing Branch or Office] -----

Beneficiary: ----- [Name and Address of Employer]

Date:

ADVANCE PAYMENT GUARANTEE No.: -----

We have been informed that----- [name of Contractor] (hereinafter called "the Contractor") has entered into Contract No. ----- [reference number of the contract] dated ----- with you, for the ----- construction of ----- [name of contract and brief description] (hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, an advance payment in the sum ----- [amount in figures] (-----) [amount in words] is to be made against an advance payment guarantee.

At the request of the Contractor, we ----- [name of issuing agency] hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of ----- [amount in figures] (-----) [amount in words] upon receipt by us of your first demand in writing accompanied by a written statement stating that the Contractor is in breach of its obligation in repayment of the Advance Payment under the Contract.

The maximum amount of this guarantee shall be progressively reduced by the amount of the advance payment repaid by the Contractor.

This guarantee shall expire on [Insert the date, 28 days beyond the Time of Completion]

Consequently, any demand for payment under this guarantee must be received by us at this office on or before that date.

[signature(s)]

FORM OF RETENTION MONEY GUARANTEE

----- *[Issuing Agency's Name, and Address of Issuing Branch or Office]* -----

Beneficiary: ----- *[Name and Address of Employer]* ----- **Date:** -----

RETENTION MONEY GUARANTEE No.: -----

We have been informed that ----- *[name of Contractor]* (hereinafter called "the Contractor") has entered into Contract No ----- *[reference number of the contract]* dated ----- with you, for the execution of ----- *[name of contract and brief description of Works]* (hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, when the works have been taken over and the first half of the Retention Money has been certified for payment, payment of the second half of the Retention Money may be made against a Retention Money guarantee.

At the request of the Contractor, we ----- *[name of agency]* hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of ----- *[amount in figures]* (-----) *[amount in words]* upon receipt by us of your first demand in writing accompanied by a written statement stating that the Contractor is in breach of its obligation under the Contract because the Contractor has not attended to the defects in accordance with the Contract.

This guarantee shall expire, at the latest, ----- *[insert 28 Days after the end of the Defects Liability Period]*. Consequently, any demand for payment under this guarantee must be received by us at this office on or before that date.

[signature(s)]

Section IV

Form of Bid

[The Vendor shall fill in this Form in accordance with the instructions indicated No. alterations to its format shall be permitted and no substitutions will be accepted.]

Date:

To: *[insert complete name of Contractor]*

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the document issued;
- (b) We offer to supply in conformity with the documents issued and in accordance with the Delivery Schedules specified in the Schedule of Requirements the following Works;
- (c) The total price of our quotation including any discounts offered is: *[insert the total quoted price in words and figure]*;
- (d) Our quotation shall be valid for the period of time specified in ITB Sub-Clause 8.1, from the date fixed for the quotation submission deadline in accordance with ITB Sub-Clause 11.1, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (e) We understand that this quotation, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us.
- (f) We understand that you are not bound to accept the lowest evaluated quotation or any other quotation that you may receive.

Signed: *[insert signature of person whose name and capacity are shown]*

Name: *[insert complete name of person signing the Bid Submission Form]*

Dated:

Qualification Information

Note: Prior to issue of the bidding documents, the Employer should insert relevant data for all items marked with an asterisk (*).

(to be completed by the bidder and submitted with the Bid)

Eligibility Requirement	Bidder's Qualification		
CIDA Registration			
Registration number			
Grade	SP 4 or above		
Specialty	Landscape		
Expiry Date			
Blacklisted 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 Public company/Private Company/Partnership/Sole proprietor			
Eligibility Requirement	Bidder's Qualification		
Qualification and experience of key staff	Category, Experience and Qualifications <i>(Insert requirement)</i> *	Required Nos.*	Proposed by bidder (Name, experience and Qualifications)
	1		
	2		
	3		
List Other information required			

Signature of the Bidder:

Section V

BIDDING DATA

ITB Clause No.		
1.	The Employer's Name	Sri Lanka Institute of Textile and Apparel
	Address	Kandawela Estate No.02, General Sir John Kotalawela Road, Ratmalana.
1&13	Scope of Work	Landscape of SLITA Front Area – SLITA/Landscape/03/2025
1.	Construction Period	30 days
	Office for collection of bid forms	Sri Lanka Institute of Textile and Apparel Kandawela Estate No.02, General Sir John Kotalawela Road, Ratmalana.
2.	Source of Funds	Government Funds
	The registration required	CIDA Registration & PCA 03
4.	Field of Specialty	Landscape
	Grade	SP 4 or above
		Must have at least five years of experience in projects worth more than Rs.5 million, including solar system installation and road renovation.
4.	The following information shall be provided in Section 4 under Qualification Information	
	CIDA Registration	<ul style="list-style-type: none"> • Registration Number • Grade • Specialty • Expiry Date
		<ul style="list-style-type: none"> • PCA 03 certificate issued by Registrar of Public Contracts • VAT Registration Number • Construction Programme • Legal Status (Sole proprietor, Partnership, Company etc.) • Authentication of signatory • Total monetary value of construction work performed for each of the last Five years • Experience in works of similar nature and size for each of the last Five years • Major items of construction equipment proposed to carry out the Contract • Qualification and experience of key site management and technical personnel Proposed for the Contract • Audited financial Statement for last three Years

ITB Clause No.	
9.	Employers address for the purpose of clarification is, Name : Sri Lanka Institute of Textile & Apparel Address : Kandawala Estate, No. 02, Gen. Sir, John Kotalawala Road, Ratmalana. Tele 0112632406 E-mail : procurement@slita.ac.lk
11.	The language of the bidding document shall be English.
12.	Any Other None
13.	VAT component shall not be included in the rates or price but shall be shown separately at the space provided in the BOQ. The amount written in the form of Bid shall be without VAT.
13.	The Contract price is not subjected to adjustment during the performance of the Contract in accordance with Clause 10.10 of the Conditions of Contract.
15.	The Bid shall be valid up to 49 days from the date of opening of bid (02.02.2026)
16.	Bid Security shall be; <ul style="list-style-type: none"> • Cash for an amount Rs: 50,000.00 (Please attach the copy of the Receipt) • For an amount *Rs 50,000.00 (Insert amount, should be the same as provided in the Invitation to Bid) • Valid until 77 days from the closing date (02.03.2026) of the bid <p>*Issued by a commercial Bank, (unconditional guarantee) included in Section 9 - Standard Forms.</p>
	The Employer's address for the purpose of Bid submission: Director General Sri Lanka Institute of Textile & Apparel Kandawala Estate, No. 02, General Sir John Kotalawala Road, Ratmalana.
1&13	Name of Contract: Landscape of SLITA Front Area Identification Number: SLITA/Landscape/03/2025
1.	The deadline for submission of Bids shall be 2.00 pm on 15.12.2025 Bid opening 2.00 pm on 15.12.2025 at the Meeting Room of SLITA
31.	The amount of performance Security is 5% of the Initial Contract price

Section VI

Contract Data

(Please note that the Clause nos. given hereunder are that of Conditions of Contract)

1.1 The Employer is

Name: Direcor General, Sir Lanka Institute of Textile & Apparel
Address: Kandawala Estate, No. 02,
General Sir John Kotalawala Road,
Ratmalana.

1.1 The Engineer is,

Name: Engineer
Address: Kandawala Estate, No. 02,
General Sir John Kotalawala Road,
Ratmalana.

1.1 The site is located at SLITA, Ratmalana

9.1 Schedule of Key Personnel:

Minimum persons with qualifications and experience to be defined,

1. Technical officer qualified with NDT with 03 years or NCT with years past experience in civil constructions – Full time Basis
2. Quantity Surveyor qualified with NCT or equivalent with 05 years of Post qualified Experience - Part time Basis
3. BSc Civil Engineering with 2 years of Post qualified Experience in Civil Construction – Part time Basis

13.1 The minimum insurance covers shall be:

(a)

- The minimum cover for insurance of the Works and of Plant and Materials is 110% of Initial Contract Price.
- The maximum deductible for insurance of the Works and of Plant and Materials is 5% of Initial Contract Price.

(b)

- The minimum cover for loss or damage to Equipment is replacement cost of the equipment
- The maximum deductible for insurance of Equipment is 5% of the minimum cover for equipment
- The minimum cover for insurance of other property (other than the Site) is LKR 1,000,000.00
- The minimum cover for personal injury or death, For third party and employees of the Employer and other persons engaged by the Employer in the Works is LKR1.0 million per event

13.2 (a) The minimum cover for personal injury or death,

- The Contractor's workmen shall be insured compliance with the prevailing Workmen's Compensation Act of Sri Lanka.
- The minimum insurance cover amounts shall be as per the values stipulated under this act Contractor's employees other than workmen is LKR 1.0 Million per event

- 17.1 The Intended Completion Date for the whole of Works shall be 30 Days from the Start Date.
- 21.1 The Site Possession Date shall be 7 Days from Letter of Acceptance.
- 35.1 The Defects Liability Period is 180 Days.
- 39.2 Engineer may order variations up to a total cumulative value of not exceeding 10% of Initial Contract Price.
- 47.1 The Contract Price is not subjected to price adjustment
- 48.1 The retention from each payment shall be 10% of the certified work done. The limit of retention shall be 5% of the Initial Contract Price.
- 49.1 The liquidated damages for the whole of the Works shall be 0.05% of Initial Contract Price per Day.
- 50.1 The maximum amount of liquidated damages for the whole of the Works shall be 10% of the Initial Contract Price.
- 52.1 The Performance Security shall be 5% of the Initial Contract Price.
- 58.1 Schedule of operating and maintenance manuals.
- 60.1 The percentage to apply to the value of the work not completed, representing the Employer's additional cost for completing the Works, is 25% of Initial Contract Price for balance Work.

Section VII

Estimate for Landscape of SLITA Front Area

Item No	Description	Unit	Quantity	Rate	Amount (Rs.)
	The tenderer is advised to visit the site and acquaint himself with the extent and the magnitude of the scope of work before pricing.				
01	Street Solar Lighting System				
	<p>Supply, installation, testing, and commissioning of complete solar-powered LED street lighting system including solar panel, battery, controller, LED luminaire, mounting pole, and accessories as per specifications, including manufacturer's standard warranty and performance guarantee.</p> <p>Complete System Warranty: 5 years minimum for overall functionality and installation defects.</p> <p>All warranty certificates should be submitted at the time of handover. Contractor shall attend to any failures or defects during the warranty period at no additional cost.</p>				
	All materials and workmanship to be in accordance with relevant standards. Rate to include all labour, materials, transport, and incidentals. (10m Between 2 pole)				
i	<p>Supply and fix complete solar-powered LED street lighting units along one side of a 170m garden road including:</p> <ul style="list-style-type: none"> - Solar PV panel (minimum 100W, mono/polycrystalline) - LED fixture with built-in dusk-to-dawn controller (minimum 20W - 30W) - Lithium/VRLA battery (minimum 12V, 30Ah or as recommended) - Hot dip galvanized pole (GI), 4-5m height - Concrete foundation for pole fixing - Underground / above-ground cable routing (IF applicable) - Mounting brackets and accessories - Testing and commissioning of the system. 	Item	20		
	Ground Lighting for Tree				
ii	<p>Supply and installation of ground-mounted LED landscape spotlight (uplight) system for Roberociya trees, including weatherproof LED fixtures (min. 15W), IP65 rated, with suitable beam angle for tree illumination, embedded mounting base, wiring with proper conduit protection, and complete connection to the existing electrical/solar system.</p> <ul style="list-style-type: none"> - Providing and fixing LED up lights around trees - Ensuring proper beam angle (narrow/wide as required) - Underground cabling with conduit - Waterproof junction boxes - Testing and commissioning. Include 5year warranty & follows warranty clause. 	Item	25		
02	Planting of Roberociya Trees & arrange Flower Bed				

	Supply and planting of good health "Roberociya trees" with flower (height 10–15 feet variate) along a 120m fence. 3.5m regular intervals, including supply and install diameter 900mm* Height 1800mm cylinder for root barrier , pit excavation, soil conditioning, compost application, staking (if required), watering, and permanent root barrier installation to prevent future damage to nearby fence, wall and asphalt road. Work to be carried out as per horticultural standards. rate include preparation existing site, transport and stacking. as follows Client requirements.	Nos	25		
ii	Supply and fix pre-cast concrete flower bed ($2m \times 0.6m \times 0.3m$) rate including transportation, excavation, base preparation, placement, finishing, and planting flower trees. Flowe trees are specify by Client	Nos	25		
03	Renovating a damaged asphalt road section				
i	Cutting and removing existing damaged asphalt surface (approx. 4.5m wide x 20m long), scarifying base, filling with ABC, compacting, leveling, and applying tack coat and 50mm thick asphalt concrete laying. Complete with required machinery, labour, and as per specifications. (Rate including transportation and disposal of debris away from site, using mechanical cutters and labour.)	LS	1		
	Sub Total 1				
	Contingencies (10%)				
	VAT (18%)				
	Total				

Total Amount :

Total Amount (in Words) :

.....

Name :

Address :

Signature :

Date :

VAT No :

Company Seal

01. Technical Specification – Street Light Pole with Cobra Arm

1. General Description:

Supply and install 5m street light pole consisting of:

- 4m straight vertical pole
- 1m cobra-shaped arm for light fixture
- Suitable for solar-powered LED lights (20W–40W range)
- Ground-mounted with foundation bolts or flange plate

2. Pole Specifications:

- Material: Hot-dip galvanized mild steel
- Height:
 - Pole height (vertical): 4 meters
 - Cobra arm length: 1 meter (curved outward ~15°–20°)
 - Total reach: ~5 meters from base
- Pole Shape: Tapered cylindrical
- Bottom Diameter: 100 mm
- Top Diameter: 60 mm
- Wall Thickness: 3 mm (minimum)
- Finish:
 - Hot-dip galvanized (min 80 microns coating) - Optional powder coating (RAL color as specified)

3. Cobra Arm:

- Material: Same galvanized steel as pole
- Shape: Curved outward with downward tilt (cobra shape)
- Length: 1 meter
- Fixture Mounting: Pre-drilled holes for LED fixture (standard bracket)

4. Foundation & Mounting:

- Mounting Type:
 - Anchor bolt base plate mounting
- Foundation concrete block (min 500×500×1000mm depth recommended)
- Base Plate Dimensions:
 - Thickness: 10–12 mm
- Bolt circle diameter: ~200 mm - Hole diameter: M16 or M20 bolts

5. Wind Load Resistance:

- Designed to withstand wind speeds up to 160 km/h
- As per EN 40 / ASTM A123 or equivalent standards

6. Compatibility:

- Suitable for solar panel + battery box bracket
- LED fixture up to 40W with IP65 housing

7. Optional Features:

- Cable entry hole near base
- Cable management access door
- Tamper-proof anchor bolt caps

02. Technical Specification – Asphalt Road Renovation (Including Demolition of Existing Road)

1. Scope of Work:

Removal of the approximately 20m existing asphalt road, debris disposal, preparation of base, and resurfacing with new asphalt including joint treatment, finishing, testing, and environmental safety compliance.

2. Demolition of Existing Road:

- Saw-cut or break existing asphalt (typically 50–100mm) using mechanical breakers.
- Avoid damage to nearby kerbs, drains, and services etc.
- Clear and remove all debris from site.

3. Disposal of Debris:

- Transport all removed materials to a contractors dumping site.
- Ensure environmental safety during transport and unloading.

4. Surface Preparation:

- Compact sub-base to specified level.
- Apply prime coat or tack coat (MC-30 or RS-1) before asphalt laying.

5. Asphalt Laying:

- Lay base course and wearing course to required thickness using paver machine.
- Compact with roller (8–10T) to achieve required density.

6. Joints:

- Transverse & longitudinal joints must be clean-cut and vertical.
- Apply tack coat to joints before placing adjacent layer.
- Ensure tight bonding and smooth transition.

7. Finishing:

- Final surface must be even, equal existing levels, free of cracks, segregation, or depressions.
- Check slopes and drainage direction as per design.

8. Material Testing & Quality Control:

- Tests required:
 - Asphalt content (extraction test)
 - Gradation analysis
 - Marshall stability and flow
 - Field density (core test or nuclear method)
 - Bitumen temperature monitoring
 - All materials must conform to ICTAD SCA/5, ASTM, or BS standards. Contractor to submit test reports regularly.

9. Safety & Environmental Compliance:

- Use proper PPE for all workers.
- Erect safety barriers, warning signs, and traffic control during work.
- Avoid contamination of storm water drains.
- Follow dust control measures during demolition.

10. Equipment & Methods:

- Key Equipment:

- Asphalt cutter or milling machine
- Tipper trucks for debris
- Paver finisher
- Vibratory rollers
- Water bowser (for dust suppression)
- Maintain equipment in good condition.
- Work to be done in dry weather; avoid asphalt laying during rain.

Method of Construction:

Site Preparation:

- Remove debris, vegetation, and damaged pavement.
- Mill surface if required.

Base Repair (if needed):

- Excavate failed sections.
- Backfill with ABC or granular material.
- Compact in layers to 95% MDD.

Tack Coat Application:

- Clean surface.
- Apply uniform coat of emulsified bitumen.
- Allow curing before overlay.

Asphalt Overlay:

- Lay asphalt mix to required thickness (typically 40–50 mm).
- Spread evenly using paver.
- Compact with rollers to achieve required density.

Joints:

- Ensure longitudinal and transverse joints are properly bonded.

Finishing:

- Ensure smooth surface.
- Remove excess material.

03. Supply and Fix Complete Solar -Powered LED Street Lighting Units Along One Side of a 170m Garden Road

1. Scope of Work:

This work includes the supply, delivery, installation, testing, and commissioning of complete solar powered LED street lighting units installed at specified intervals along one side of a 170m long garden road.

2. General Requirements:

- All materials shall be new, weather-resistant, and maintenance-free.
- Installation must comply with IEC, IEEE, and local authority standards.
- All components must be certified for outdoor use and IP65 or higher rated.

3. System Components:

a) Solar Panel:

- Type: Monocrystalline or Polycrystalline
- Capacity: Minimum 100W – 150W, depending on luminaire wattage & autonomy.
- Frame: Anodized aluminum with anti-corrosion treatment.
- Efficiency: ≥18%
- Mounting: Top of the pole with tilt angle optimized for location (approx. 10–15°)

b) Battery:

- Type: LiFePO4 (Lithium Iron Phosphate) preferred for longevity.
- Capacity: To provide 3–5 days autonomy (minimum 12.8V/24Ah or as required).
- Enclosure: IP65-rated, vandal-proof.
- Mounting: Integrated with pole or within pole base compartment.

c) LED Luminaire:

- Wattage: 30W – 40W LED
- Output: ≥ 130 lumens/watt
- Lifespan: ≥ 50,000 hours
- Colour temperature: 5000K – 6000K (cool white)
- Optics: Asymmetric lens for road lighting
- Mounting height: Approx. 4–5 meters

d) Lighting Controller:

- Type: MPPT charge controller (preferred)
- Functions: Dusk-to-dawn operation, dimming profiles (e.g., 100% for 5 hrs, 50% after)
- Protection: Overcharge, deep discharge, reverse polarity

e) Pole:

- Height: 4–5m galvanized steel pole, octagonal or tubular
- Coating: Hot-dip galvanized with powder coating (if required)
- Foundation: Concrete base with anchor bolts.
- Accessories: Brackets, clamps, and wiring conduits included

4. Installation Works:

- Excavation and casting of pole foundation (approx. 600x600x1000mm)
- Installation of pole, panel, battery, and luminaire
- Wiring of all components using UV-resistant cables
- Proper orientation and tilt of panel for maximum solar exposure

- Grounding of each unit as per electrical safety standards
- Testing of lighting function, timer/controller, and battery

5. Testing and Commissioning:

- Check charging and discharging cycles
- Ensure automatic dusk-to-dawn operation
- Verify battery performance and light duration
- Submit test reports and warranty certificates

6. Warranty:

- LED luminaire: Min. 5 years
- Solar panel: 10–15 years output warranty
- Battery: 5 years (minimum)

7. Safety and Environmental Considerations:

- Workers must wear PPE
- No spillage of battery chemicals permitted
- Area to be cordoned during installation
- Proper disposal of packaging and leftover material

04. Technical Specification - Robarociya Tree Planting (with Root Barrier & Trunk Size Measurement)

1. Tree Type & Size:

- Species: Roystonea regia (Royal Palm – Robarociya)
- Height at planting: 10–15 ft (approx. 3–4.5 meters)
- Trunk Girth:
 - Minimum girth: 30–40 cm (at 1m above ground level)
- Measurement Method: Girth must be measured using a flexible measuring tape wrapped around the trunk at 1 meter above natural ground level (commonly accepted horticultural standard).
- Measurement must be taken without root flare and excluding any irregular swellings.
- Age: Minimum 3–4 years
- Root system: Healthy, fibrous root ball with no damage

2. Source & Selection:

Trees must be sourced from a reputed nursery with proven transplant success. Nursery origin must be stated (preferably local climate-adapted trees). A site visit may be done to inspect trees prior to transport.

- Must be sourced from a certified or reputable nursery.
- Plant passport or delivery tag must include:
 - Species name
 - Height
 - Trunk girth
 - Age of tree
 - Nursery location
- Trees must be disease-free, pest-free, and have straight trunks.
- Supplier must confirm origin and suitability to local climate.
- Visual inspection of health, uprightness, and pest-free condition is mandatory.

3. Root Barrier System (Damage Prevention): - Pit Size:

900mm diameter × 1800mm depth

- Root Barrier:
 - Material: HDPE or Precast Concrete Cylinder
 - Size: 900mm internal diameter × 1800mm height
- Installation: Barrier to be inserted into the pit so that 1700mm is below ground and 100mm above ground (to prevent root escape)
- Cylinder must be vertical, centered, and firm within the soil
- Perforation only at base for drainage
- Ensure barrier is stable before backfilling - Must be securely placed before planting

4. Inspection Criteria before Planting:

- Tree must be straight and upright with symmetrical canopy.
- No physical damage to trunk or fronds.
- Ensure main trunk is free from cracks or pest infestation.
- Root ball should be intact and properly bound. (Submit root ball method statement).
- Leaf pruning should be minimal – only dead/damaged leaves to be removed.

5. Pit Filling Mix:

- Ratio: 1 part screened top soil: 1 part compost: 1 part coarse sand
- Bottom 300mm to be enriched with organic fertilizer
- No debris or non-organic material

6. Tree Planting & Stabilizing:

- Centered placement within root barrier
- Root collar must remain at ground level
- Light compaction of backfill
- Immediate watering
- Stabilization: Submit proper procedure after site visit.
 - Use 3-point guy wire or anchor system
 - Rubber or soft pads at contact points with trunk

7. Spacing:

- Min. 3.5 meters between each tree
- Maintain consistent line and verticality

8. Aftercare:

- Watering: Daily for first 2 weeks, then gradually reduced
- Mulching: 50mm thick organic mulch around base (not touching trunk)
- Fertilizer: NPK (10:10:10) after 3 weeks every 2 months for 6 months

9. Special Notes:

- Root barrier essential to prevent damage to surrounding infrastructure.
- Contractor to ensure protection of nearby services during excavation.
- Tree tag to include date planted, tree number, and measurement details.
- Give 1 year warranty. After 6 months site visit time to time and admit any causes of plant.

05. Technical Specification – Installation of Precast Concrete Flower Beds (2.0m × 0.6m × 0.3m) (For supply & fix only – precast units manufactured offsite)

1. Scope of Work:

This specification covers the installation of already cast precast concrete flower beds of dimensions 2.0m (L) × 0.6m (W) × 0.3m (H), including transportation, placement, alignment, levelling, joint filling, and site finishing. Planting suitable flower trees as per Client requirements

2. Site Preparation:

- Excavate and level the designated area.
- Prepare a 150mm thick compacted sand or ABC base layer to receive the units.
- Ensure proper compaction and drainage slope (if required).

3. Transportation and Handling:

- Precast units to be transported from the casting yard using flatbed trucks with appropriate padding.
- Use lifting lugs or nylon slings to prevent damage.
- Avoid dropping or dragging the units to protect edges and corners.

4. Installation Process:

- Position flower beds accurately.
- Place units over the prepared base using a crane or suitable lifting equipment.
- Ensure correct alignment and level.
- Use cement-sand mortar (1:4) bed (10–20mm thick) to achieve firm placement.
- Fill joints between units with non-shrink grout or cement-sand mortar (if required).
- Allow proper curing of joint material (min 2 days).
- Backfill around flower beds with soil or ABC after installation.

5. Finishing:

- Clean external surfaces using a wet sponge or brush.
- Apply protective sealer or paint if specified.
- Ensure no visible gaps between units or base.
- After positioning arrange suitable and proper flower trees and planting fill with proper materials.

6. Quality Control:

- Check for level, alignment, and joint width ($\pm 5\text{mm}$ tolerance).
- Inspect for damage or cracks post-installation.
- Verify placement as per layout.

7. Safety and Environment:

- All workers to use PPE (gloves, boots, helmets).
- Site to be barricaded if public access exists.
- Dispose any packaging or broken concrete responsibly.

FORM OF BID SECURITY

[this Guarantee form shall be filled in accordance with the instructions indicated in brackets]

[insert issuing agency's name, and address of issuing branch or office]

Beneficiary: Director General

Sri Lanka Institute of Textile & Apparel,
Kandawala Estate, No. 02,
General Sir John Kotalawala Road,
Ratmalana.

Date: ----- *[insert (by issuing agency) date]*

BID GUARANTEE No. ----- *[insert (by issuing agency) number]*

We have been informed that ----- *[insert (by issuing agency) name of the bidder]* (hereinafter called "the bidder") has submitted to you its bid dated ----- *[insert (by issuing agency) date]* (hereinafter called "the Bid") for the execution of *[insert name of Contract]* under Invitation for Bids No. ----- *[insert IFB number]* ("the IFB").

Furthermore, we understand that, according to your conditions, Bids must be supported by a Bid Guarantee.

At the request of the bidder, we ----- *[insert name of issuing agency]* hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of ----- *[insert amount in figures]* ----- *[insert amount in words]* upon receipt by us of your first demand in writing accompanied by a written statement stating that the Bidder is in breach of its obligation(s) under the bid conditions, because the Bidder:

- (a) has withdrawn its Bid during the period of bid validity specified; or
- (b) does not accept the correction of errors in accordance with the Instructions to Bidders (hereinafter "the ITB"); or
- (c) having been notified of the acceptance of its Bid by the Employer during the period of bid validity, (i) fails or refuses to execute the Contract Form, if required, or (ii) fails or refuses to furnish the Performance Security, in accordance with the ITB.

This Guarantee shall expire: (a) if the bidder is the successful bidder, upon our receipt of copies of the Contract signed by the bidder and of the Performance Security issued to you by the bidder; or (b) if the bidder is not the successful bidder, upon the earlier of (i) the successful bidder furnishing the performance security, otherwise it will remain in force up to ----- *(insert date⁶⁰)*

Consequently, any demand for payment under this Guarantee must be received by us at the office on or before that date.

[signature(s) of authorized representative(s)]