

**DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA**

**MINISTRY OF FOREIGN AFFAIRS, FOREIGN EMPLOYMENT AND TOURISM**

**REPAIRING & REFURBISHMENT WORKS AT NHR -  
BENTHOTA (PHASE III)**

**BIDDING DOCUMENT**

**FOR**

**REPAIR AND REINSTALLATION OF PLAY EQUIPMENT AT  
“SAYURU IMA” PICNIC AREA**

**ENGINEER**

**Central Engineering Consultancy Bureau**

**No 20**

**Godakanda Road, Karapitiya**

**Galle**

**CLIENT**

**Director**

**Sri Lanka Tourism Development Authority**

**Colombo 03**

**July - 2025**

**ABBREVIATIONS**

• m	=	meter
• m <sup>2</sup>	=	square meter
• m <sup>3</sup>	=	cubic meter
• mm	=	millimeter
• nr	=	number
• kg	=	kilogram
• t	=	metric tone
• h	=	hour
• Prov. Sum	=	Provisional sum
• LKR	=	Sri Lankan Rupees
• Cts	=	cents
• Ltr	=	liters
• CP	=	Code of Practice
• BS	=	British Standard
• BOQ	=	Bill of Quantities
• >	=	exceeding
• ≥	=	equal to or exceeding
• ≤	=	not exceeding
• <	=	less than
• %	=	Percentage
• ICTAD	=	Institute for Construction Training & Development
• CIDA	=	Construction Industry Development Authority

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## **INVITATION FOR BIDS (IFB)**

### **MINISTRY OF FOREIGN AFFAIRS, FOREIGN EMPLOYMENT AND TOURISM**

#### **REPAIR AND REINSTALLATION OF PLAY EQUIPMENT AT “SAYURU IMA” PICNIC AREA**

1. The Chairman, Procurement Committee on behalf of the **Sri Lanka Tourism Development Authority** now invites sealed bids from eligible and qualified bidders for “**Repair and Reinstallation of Play Equipment at “Sayuru Ima” Picnic Area**” at National Holiday Resort, Bentota as described below and estimated to cost approximately Rs. **5.5 Million** (excluding VAT)

Work consists of Installation of Kids Play Items, Construction of Movable Security Huts and Construction of Waiting Hut.

Work is located in the premises of **National Holiday Resort, Bentota**. The Contract period will be **120 Days**.

2. Bidding will be conducted through **National Competitive Bidding Procedure**.
3. To be eligible for contract award, the successful bidder shall not have been blacklisted. The Bidding documents will be issued only to
  - a) Bidders having valid registration in **Grade C-8 or above** in the specialty of **Building Works** under Institute of Construction Industry Development Authority (CIDA).
  - b) Bidders have successfully completed at least two building similar to this nature and complexity **Rs. 5.5 Million** during last five years.
  - c) Average annual volume of construction work performed in last five years shall be at least **Rs. 5.5 Million**.
  - d) The minimum amount of working capital available and available credit facilities for utilizing at the time of bidding exclusive of any advanced payment which may be not less than **Rs. 3.0 Million**. Credit facility should be addressed to **Director General, Sri Lanka Tourism Development Authority, 80, Galle Road, Colombo 03**.
4. Qualifications requirements to qualify for contract award include:

Technical Officer with 5 years’ experience in Building Construction field with NCT or equivalent certificate.

5. Interested eligible bidders may obtain further information from **Asst. Director (Procurement), Sri Lanka Tourism Development Authority, 80, Galle Road, Colombo 03, (Tel. 011 242 6800 Ext 305)** from **09.00 hrs to 15.00 hrs** during normal working hrs.
6. A complete set of Bidding Documents in English language may be purchased by interested bidders on the submission of a written application to the **Procurement Section (4<sup>th</sup> Floor), Sri Lanka Tourism Development Authority, 80, Galle Road, Colombo 03** from ..... Until ..... From **09.00 hrs to 15.00hrs**, upon payment of a non refundable fee of **Rupees Three Thousand Five Hundred (Rs. 3,500.00)**. The method of payment will be cash only.



7. Bids shall be delivered to **address below**, on or before **15.00hrs** on ..... Late bids will be rejected. Bids will be opened in the presence of the bidder’s representatives who choose to attend.
8. Bid validity shall be **77 Days** from the date for closing of bids.
9. All bids must be accompanied by a “Bid-Security” amount of Rupees **Fifty Five Thousand (Rs. 55,000.00)**. Validity of Bid security shall be **105 Days** from the date of closing of the bid.

Bid security shall be addressed to the **Director General, Sri Lanka Tourism Development Authority, 80, Galle Road, Colombo 03.**

10. Procurement committee reserves the right to accept a suitable bid out of the bids received or reject all bids and decision of the procurement committee is the final.
11. Any alternation to the bidding document should be signed by the contractor.

The address referred to above is,

**Chairmen,  
Department Procurement Committee  
Sri Lanka Tourism Development Authority,  
80, Galle Road,  
Colombo 03.**

## SECTION - 01

### INSTRUCTION TO BIDDERS

Instruction to Bidders applicable to this Contract are those given in Section I of the Standard Bidding document for Procurement of works – Minor Contracts, ICTAD. Publication No. **ICTAD/SBD/03, 2<sup>nd</sup> Edition, January 2007** Published by Institute for Construction Industry Development Authority (CIDA) “Savsiripaya”, 123, Wijerama Mawatha Colombo 7.

This publication not be issued with the Bidding document and the Bidder is advised to purchase it from CIDA.

Instruction to Bidders shall be read in conjunction with the schedule provided under Section 5 “Schedule” given in Volume II.

Instruction to Bidders will not be part of the Contract & will cease to have effect once the contract is signed.

## **Section – 02**

### **STANDARD FORMS**

#### ***Notes on Standard Forms:***

- *Bidders should submit the Bid Security compliance with the requirements given in bidding document.*
- *Bidders should not complete the Form of Agreement at the time of preparation of bids.*
- *The successful bidder will be required to sign the Form of Agreement after the award of contract.*
- *Any corrections or modifications to the accepted bid resulting from arithmetic corrections, acceptable deviations, or quantity variations in accordance with the requirements of the bidding documents should be incorporated into the Agreement.*
- *The Form of Performance Security and Form of Advance Payment Security should not be completed by the bidders at the time of preparation of bids.*
- *The successful bidder will be required to provide these securities in compliance with the requirements herein or as acceptable to the Employer.*

**FORM OF BID SECURITY**

.....  
.....  
.....

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

Beneficiary: **Director General,  
Sri Lanka Tourism Development Authority,  
80, Galle Road,  
Colombo 03**

Date: .....

BID GUARANTEE No.: .....

We have been informed that.....

.....[*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 **"Repair and Reinstallation of Play Equipment at "Sayuru Ima" Picnic Area"** at National Holiday Resort, Bentota.  
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 **Rs.....** [*Insert amount in figures*] Rupees.....  
..... [*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") of the IFB; or
- (c) Having been notified of the acceptance of its Bid by the Employer/Purchaser 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) Our receipt of a copy of your notification to the Bidder that the Bidder was unsuccessful, otherwise it will remain in force up to ..... *(Insert date)* (At least 105 Days from Bid closing date)

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

Authorized Signature: .....

Name & title of Signature:

.....

.....

## FORM OF LETTER OF ACCEPTANCE

*[letter head paper of the employer]*

.....*[date]*

To:.....

*[name of the Contractor]*

.....

*[address of the contractor]*

This is to notify you that your Bid dated ..... for the construction and complete remedy any defects therein & maintain the **"Repair and Reinstallation of Play Equipment at "Sayuru Ima" Picnic Area"** at National Holiday Resort, Bentota for the Contract price of Rupees.....

.....(Rs.....)

*(amount in figures and words)* as corrected in accordance with Instructions to Bidders and/or modified by a Memorandum of Understanding (if any), is hereby accepted.

The adjudicator shall be appointed by the Institute for Construction Industry Development Authority (CIDA).

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

The Start Date shall be Within 14 Days from the date of issue of the letter of acceptance.

The amount Performance Security is: ..... *(Fill as per Clause 4.4 of Conditions of Contract)*

The Performance Security shall be submitted within 7 days of letter of acceptances ..... *(Fill as per Clause 4.4 of Conditions of Contract)*

Authorized Signature: .....

Name & title of Signature:

.....

.....

## FORM OF AGREEMENT

**This Agreement** made the ..... (day) of ..... (month) **2025**, between **Director General, Sri Lanka Tourism Development Authority, 80, Galle Road, Colombo 03** hereinafter called and referred to as **the Employers**, representative of the one part and..... hereinafter called and referred to as **"the Contractor"**, of the other part:

**Whereas** the Employer desires that the Contractor executes **"Repair and Reinstallation of Play Equipment at "Sayuru Ima" Picnic Area** "at National Holiday Resort, Bentota (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 hereinafter referred to.
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 provision 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 first before written 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. ....  
.....

2. Name and NIC No. ....  
.....

Signature .....

Signature .....

Address .....

Address .....

**FORM OF PERFORMANCE SECURITY  
(Unconditional)**

.....  
.....  
.....

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

Beneficiary: **Director General,  
Sri Lanka Tourism Development Authority,  
80, Galle Road,  
Colombo 03**

Date: .....

PERFORMANCE GUARANTEE No.: .....

We have been informed that ..... *[Name of Contractor]*  
(hereinafter called "**the Contractor**") has entered into **Contract No.** ..... dated  
..... with you, for the **"Repair and Reinstallation of Play Equipment at "Sayuru Ima"  
Picnic Area"** at National Holiday Resort, Bentota (**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 **Rupees**..... *[amount in figures]*  
.....  
*[amount in words]*, such sum being payable , 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 ....., 2025 *[insert date, 28  
days beyond the scheduled contract intended completion date]* and any demand for payment  
under it must be received by us at this office on or before that date.

Signature and the Seal of the Guarantor: .....



## FORM OF ADVANCE PAYMENT SECURITY

..... [Name, and Address of Issuing Branch or office]

Beneficiary: **Director General,  
Sri Lanka Tourism Development Authority,  
80, Galle Road,  
Colombo 03**

Date: .....

ADVANCE PAYMENT GUARANTEE No. : .....

We have been informed that ..... [name of contractor] (hereinafter called "the Contractor") has entered into Contract No. .... dated ..... with you, for the execution of **"Repair and Reinstallation of Play Equipment at "Sayuru Ima" Picnic Area" at National Holiday Resort, Bentota (Contract No: .....)** (hereinafter called "the Contract").

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

At the request of the contractor, we .....[name of the 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 advance payment repaid by the contractor.

This guarantee shall expire on ..... [date, 28 days beyond Intended Completion Date].

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

---

[Signature (s)]

## SECTION - 03

### **CONDITIONS OF CONTRACT**

Conditions of Contract that will be applicable for this Contract shall be that given in Section 3 of the Standard Bidding Document for Procurement of Works - Minor Contracts, ICTAD Publication No. **ICTAD/SBD/03, Second Edition, January 2007**, published by the Institute for Construction Industry Development Authority(CIDA) "Savsiripaya", 123, Wijerama Mawatha, Colombo 07.

The above publication will not be issued with the Bidding Document and Bidder is advised to purchase it from CIDA.

This Conditions of Contract shall be read in conjunction with **Section 05 Schedules** attached herewith.

**SECTION – 04**

**FORM OF BID AND QUALIFICATION INFORMATION**

**FORM OF BID**

Name of Contract: the **“Repair and Reinstallation of Play Equipment at “Sayuru Ima” Picnic Area”** at National Holiday Resort, Bentota.

To : **Director General,  
Sri Lanka Tourism Development Authority,  
80, Galle Road,  
Colombo 03**

Gentleman,

1. Having examined the conditions of Contract given in the Standard Bidding Document - Procurement of Works - Minor Contracts (ICTAD/SBD/03-Second edition, January 2007), Schedules, Specifications, Drawings and Bills of Quantities and Addenda for the execution of the above-named Works, We/I the undersigned, offer to execute and complete such works and remedy any defect therein in conformity with the aforesaid Conditions of Contract, schedule, Specifications, Drawings, Bill of Quantities and Addenda for the sum of Sri Lankan Rupees ..... (Rs.....) or such other sums as may be ascertained in accordance with the said Conditions.
2. We/I acknowledge that the Schedule forms part of our Bid.
3. We/I undertake, if our Bid is accepted, to commence the Works as stipulated in the Schedule and to complete the whole of the works comprised in the Contract within the time stated in the Schedule.
4. We/I agree to abide by this Bid for the period stated in Sub-Clause 15 of Instruction to Bidders 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/me.
6. We/I understand that you are not bound to accept the lowest or any Bid you may receive.  
Dated this.....Day of .....2025 in the capacity of ..... Duly authorized to sign Bids for an on behalf of .....

.....  
.....

(IN BLOCK CAPITALS)

Signature : .....

Address : .....

Witness : .....

### Qualification Information

To be completed by the bidder and submitted with the bid.

	<b>Eligibility Requirement</b>	<b>Bidder's Qualification</b>
<b><u>CIDA Registration</u></b>		
Registration number		
Grade	<b>Grade C-8 or above</b>	
Specialty	<b>Building Works</b>	
Expiry Date		
<b>Black Listed Contractors</b>		
Have you been declared as a defaulted contractor by NPA or any other Agency		Yes / NO
If Yes Provide details		
<b><u>VAT Registration Number</u></b>		
<b>Construction Program</b>	(attach as annex)	
<b>Legal Status</b>	(Public company/Private Company/Partnership/Sole proprietor)	

<b>Qualification an experience of key staff</b>	Category, Experience and Qualifications	Required Nos.*	Proposed by bidder (Name, experience and Qualifications)
	1. Work Supervisor with 05 year with NCT or equivalent experience in building construction field.	01	
<b>Experience for Similar nature of Projects in last 5 Years</b>	(Attach as annex)		
<b>Credit Facility</b>	Minimum Amount of Credit Facility should be Rs. 3.0 M		

Signature of the Bidder: .....

## SECTION - 05

### SCHEDULES

*Note:*

*This section shall be read in conjunction with Section 1 – Instructions to Bidders and Section 3 – Conditions of Contract, and is intended to provide specific information in relation to corresponding Clauses in Sections 1 & 3. Whenever there is a ambiguity, the provisions in Section 5 – Schedule shall supersede these provided in the Section 1 – Instructions to Bidders and Section 3 – Conditions of Contract.*

## SCHEDULES

ITB Clause	Conditions of Contract	Item	Data
	<b>1.1.8</b>	Employer is:	<b>Director General, Sri Lanka Tourism Development Authority, 80, Galle Road, Colombo 03.</b>
	<b>1.1.10</b>	Engineer is:	Deputy General Manager (South) Central Engineering Consultancy Bureau, No. 20, Godakanda Rd, Karapitiya
	<b>1.1.12</b>	Start Date	<b>Within seven (07) days after the site procession date</b>
<b>1 &amp; 13</b>	<b>1.1.21</b>	Summary of the work	<p><b>“Repair and Reinstallation of Play Equipment at “Sayuru Ima” Picnic Area”</b> in accordance with the BOQ and specification and total works are hereinafter referred to as the “Works”</p> <p>Located at: <b>National Holiday Resort, Bentota.</b></p>
<b>1</b>	<b>1.1.14</b>	<b>Intended Completion Date</b>	Intended Completion Date is <b>120 Days</b> from Start date.
<b>2</b>		<b>Source of Funds</b>	<b>Government of Sri Lanka</b>
<b>3</b>		<b>Eligibility</b>	<p>The requirement is;</p> <p><b>Should be registered with the CIDA under the Grade C-8 or above</b></p>

ITB Clause	Conditions of Contract	Item	Data
12		Documents Comprising The Bid	<p>Replace whole text by following text  <b>"The bid submitted by the bidder shall comprise the following:</b></p> <p>(A) Enclosed in the envelop marked as "original"</p> <p>(a) Bidding document with duly filled and signed form of Bid and qualification information with priced Bill of Quantities.</p> <p>(b) Bid Security</p> <p>(c) Any other information required to be completed and submitted by bidders on specified in the schedule.</p> <p>(B) Enclosed in the envelop marked as "copy"</p> <p>(a) One copy of bidding document with duly filled and signed form of Bid and qualification information with priced Bill of Quantities.</p> <p>(C) The bidder may retain the other copy of volume II of the Bidding document.</p>
13	10.10	Price Adjustment	The Contract is not subjected to price adjustment



ITB Clause	Conditions of Contract	Item	Data
16		<b>Bid Security</b>	<p><b>Bid shall include a Bid security</b>  For an amount of <b>Rupees Fifty Five Thousand. (Rs. 55,000.00) issued by an</b> agency acceptable to the Employer <b>using the</b> form for bid security (unconditional guarantee) <b>included in Section 8, Standard forms</b>  Remain valid till period of <b>105 Days</b> after the date of bid opening.</p> <p>Securities and Guarantees issued by the following institutions are acceptable:</p> <ol style="list-style-type: none"> <li>01. A Bank operating in Sri Lanka, approved by the Central Bank of Sri Lanka.</li> <li>02. A Bank based in another country but the security or guarantee "confirmed" by a Bank operating in Sri Lanka.</li> <li>03. Also, the Bidder can paid cash to Shroff of the <b>National Holiday Resort, Bentota.</b></li> </ol> <p>Interests will not be paid on cash deposits.</p>
31	4.4	<b>Performance Security</b>	<p>Amount of performance security required is 5% of initial Contract Price</p> <p>The form acceptable is sample format which is in Section 2, standard format</p> <p>Securities and Guarantees issued by the following institutions are acceptable:</p> <ol style="list-style-type: none"> <li>01. A Bank operating in Sri Lanka, approved by the Central Bank of Sri Lanka.</li> <li>02. A Bank based in another country but the security or guarantee "confirmed" by a Bank operating in Sri Lanka.</li> <li>03. Also, the Bidder can paid cash to Shroff of the <b>National Holiday Resort, Bentota.</b></li> </ol> <p>Interests will not be paid on cash deposits.</p>

ITB Clause	Conditions of Contract	Item	Data
	<b>6.4</b>	<b>Late Completion</b>	0.05% of the initial Contract Price per Day, subjected to maximum of <b>10%</b> of Initial Contract Price.
	<b>8.1</b>	<b>Notification of Defects</b>	The period for Defects Notification is <b>365 Days</b> from Taking Over.
	<b>10.3</b>	<b>Retention</b>	<p>The retention from each payment shall be 10% of the work done, as per the Interim Certificate.</p> <p>The Limit of maximum amount of retention is 5% of Initial Contract Price.</p>
<b>32.0</b>	<b>10.12</b>	<b>Advance payment</b>	<p>Advance Payment Guarantee</p> <p>Advance Payment Guarantee acceptable to the Employer shall be only those from a Licensed Commercial Bank and shall be en-cashable on demand by the Employer.</p> <p>The amount of Advance Payment Guarantee is 20% of the Initial Contract Price (excluding Provisional Sums and Contingencies) + Taxes.</p> <p>The Advance Payment Security shall be valid until a date 28 Days beyond the Time for Completion.</p>
	<b>13.1(c)</b>	<b>Insurance Third Party</b>	Minimum amount for third party insurance is Rupees <b>Five</b> hundred Thousand <b>(Rs. 500, 000.00)</b> .
	<b>13.1</b>	<b>Insurance for Employer and Contractor's Personnel</b>	<p>Minimum amount for Insurance for Employer and Contractor's Personnel is Rupees Five hundred thousand</p> <p><b>(Rs.500,000.00) per person.</b></p>
<b>33</b>	<b>1.1.11</b>	<b>Adjudicator Resolution of Disputes</b>	Fees and types of reimbursable expense to be paid to the Adjudicator shall be on a case to case basis and shall be shared by the Contractor and the Employer

## **15 - ADDITIONAL CLAUSES**

<b>ITB Clause</b>	<b>Conditions of Contract</b>	<b>Item</b>	<b>Data</b>
	<b>15.1</b>	<b>Value Added Taxes (VAT)</b>	<p><b>VAT component shall not be included in the rates.</b></p> <p>The amount written in the Form of Bid shall be without VAT.</p> <p>If Bidder is registered for VAT, the Bidder shall indicate the amount of VAT claimed separately at the end of the Bill of Quantities, in addition to the net value of the Bid, along with VAT registration number. The amount written on the Form of Bid shall be without VAT. Any Bidder who does not declare his VAT registration number will be liable for rejection of his Bid.</p> <p>If any Bidder is not registered for VAT, he shall indicate the net value of the Bid. Under this category Bidder shall obtain a letter from the Commissioner of Inland Revenue Unit, certifying the Company has not been registered for VAT, shall be attached to the Bid. Any Bidder who does not comply with this requirement will be liable for rejection of his Bid</p> <p>The same VAT percentage will be applicable to any extra works and variation.</p>

## SECTION - 06

### 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”, Wijerama Mawatha, Colombo 07.

<u>Publication No.:</u>	<u>Description:</u>
* SCA/4(Vol. I)	Specifications for Building Works, Vol. (I), Sri Lanka. 3 <sup>rd</sup> Edition (revised) – July 2004.
* SCA/4(Vol. II)	Specifications for Building Works Vol.(II), Sri Lanka. 2 <sup>nd</sup> Edition (revised) – October 2001.
* SCA/8	Specifications for Electrical & Mechanical works associated with Building and Civil Engineering, Sri Lanka. 2 <sup>nd</sup> Revised Edition - August 2000.

It is implied that the eligible bidders are fully acquainted with the above documents and therefore, those will not be issued to the bidders in this bidding document.

However, the bidders may purchase the same if necessary from CIDA. “Savsiripaya”, Wijerama Mawatha, Colombo 07.

## **SECTION - 07**

### **DRAWINGS**

- |    |                       |   |
|----|-----------------------|---|
| 1. | C1534-10/ARU/AR/LA-01 | LAYOUT PLAN   |
| 2. | C1534-10/ARU/AR/LA-02 | DETAILS OF TIMBER LOGS, CREEPER, SAND BATH &<br>DANCING TILES                   |
| 3. | C1534-10/ARU/AR/LA-03 | DETAILS OF TIMBER PUZZLE BOARD, TIMBER VEHICLE,<br>TYRE CLAMBER & TYRE SPRINGER |
| 4. | C1534-10/ARU/AR/DE-01 | PROPOSED WAITING HUT FOR WHEEL PARK   |
| 5. | C1534-10/ARU/AR/DE-02 | PROPOSED SECURITY HUT   |

# GENERAL NOTES

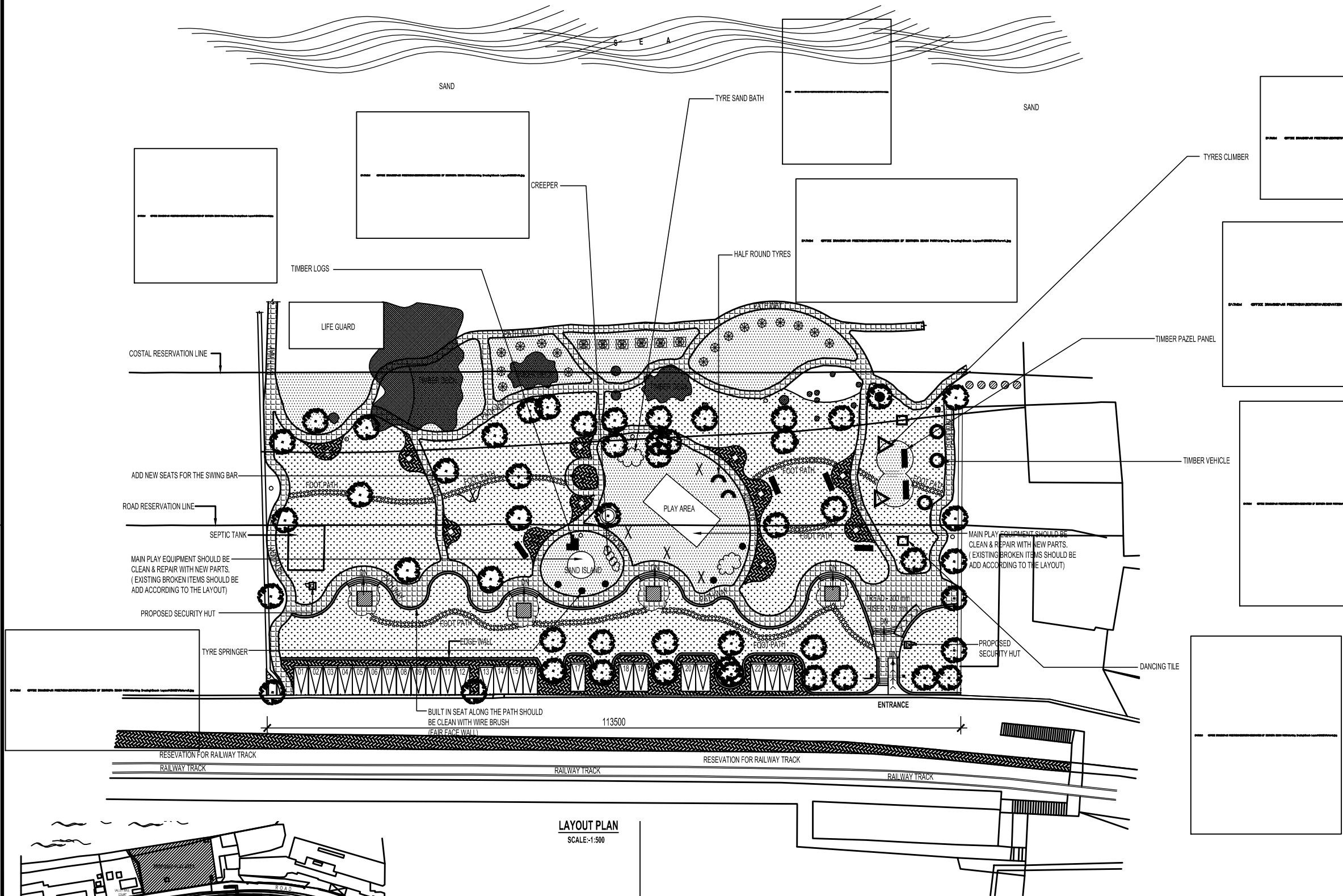
- FOR GENERAL NOTES, KEY TO SYMBOLS, OTHER NOTATIONS, KEY TO FINISHES, ABBREVIATIONS AND SPECIAL NOTES REFER DRG.NO. C1534-10/ARU/AR/LA-01
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRG. NO. C1534-10/ARU/AR/LA-01,02,03 & C1534-10/ARU/AR/DE-01,02 & OTHER RESPECTIVE ARCHITECTURAL DRAWINGS.

## KEY TO SYMBOLS AND OTHER NOTATIONS USED IN DRAWING

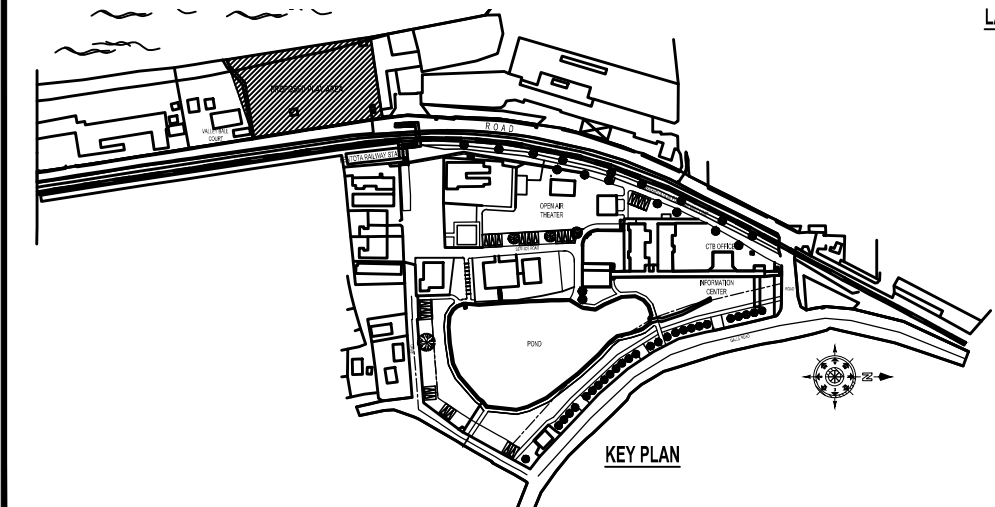
- GROUND LEVEL IN PLAN
- FINISHED FLOOR LEVEL IN PLAN

### LEGEND

- UMBRELLA
- RELAXING CHAIR
- TABLE
- TIMBER DECK
- SAND
- BERMUDA GRASS
- COBELL TYPE INTERLOCKING PAVING (GRAY COLOUR)
- ELEYANA INTERLOCKING PAVING (YELLOW COLOUR)
- SWING
- SEE-SAW (2400mmx460mm)
- GROUND TAP
- ST - SEPTIC TANK
- HALF TYRES
- TIMBER LOGS
- CREEPER
- TYRE SAND BATH
- DANCING TILE
- TIMBER VEHICLE
- TYRE SPRINGER
- TIMBER PAZEL PANEL
- TYRES CLIMBER



LAYOUT PLAN  
SCALE: 1:500



KEY PLAN

Rev.	Date	Desd.	Description	Drwn.	Chk'd	App'd

THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA  
SRI LANKA TOURISM DEVELOPMENT AUTHORITY

Project REPAIR & REINSTALLATION OF EQUIPMENT'S AT  
"SAYURU IMA" PICNIC AREA

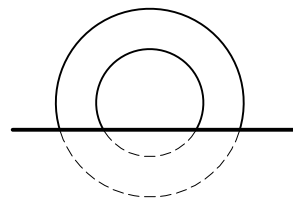
Title LAYOUT PLAN

**cecb** CENTRAL ENGINEERING CONSULTANCY BUREAU

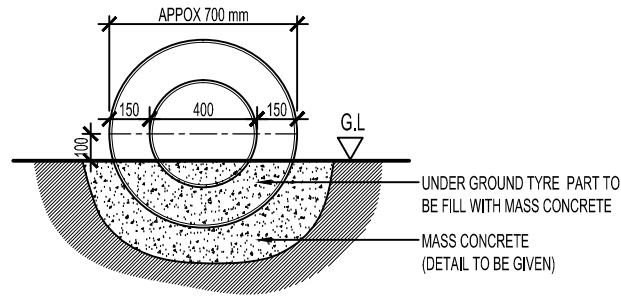
Head Office  
415, Baddalawala Mawatha,  
Colombo-07, Sri Lanka.  
Tel. 0094-11-2668800, Fax. 0094-11-2667369  
E-Mail cecb@sl.lk

Project Office  
UNIT ARCHITECTURAL UNIT  
Tel. 011 2668838, 011 2668839  
Fax. 011 2668961  
E-mail cecbarch@gmail.com

Designed	S.N.P.P	Recommended	- DGM(Arch)
Checked	C.L.P.S	Approved	- ACM(Arch)
Drawn	J.L.T.H	Scale:- AS SHOWN	Date:- 01.07.2025
Checked	-	CAD File:-	-
Submitted	Y.G.R	Status	TEN
Sheet Size	A2	Drawing No.	C1534-10/ARU/AR/LA-01
Rev. No.	-	Rev. No.	-



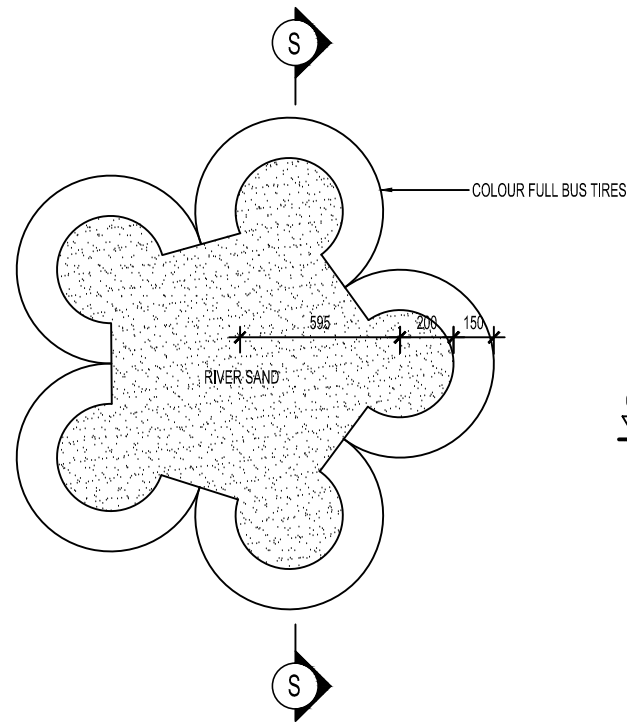
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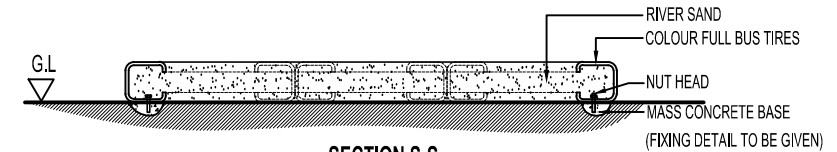
SECTION Q-Q  
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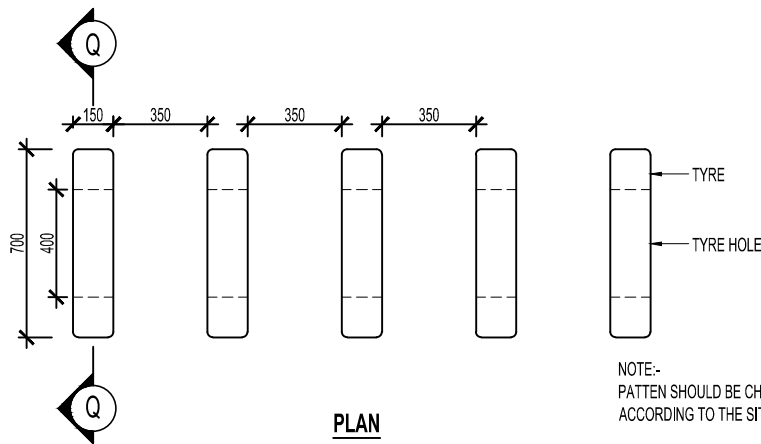
ELEVATION  
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PLAN  
SCALE:- 1:20  
DETAIL OF SAND BATH

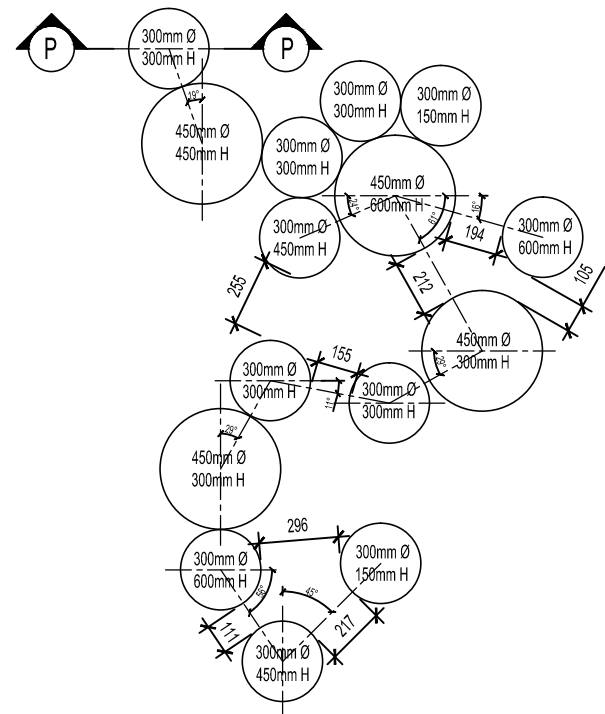


SECTION S-S  
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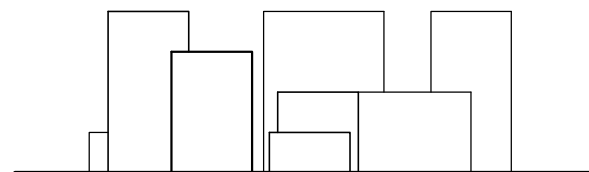


PLAN  
SCALE:- 1:20  
DETAIL OF CREEPER

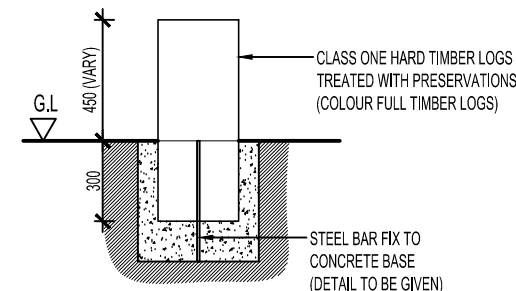
NOTE:-  
PATTEN SHOULD BE CHANGE  
ACCORDING TO THE SITE CONDITIONS.



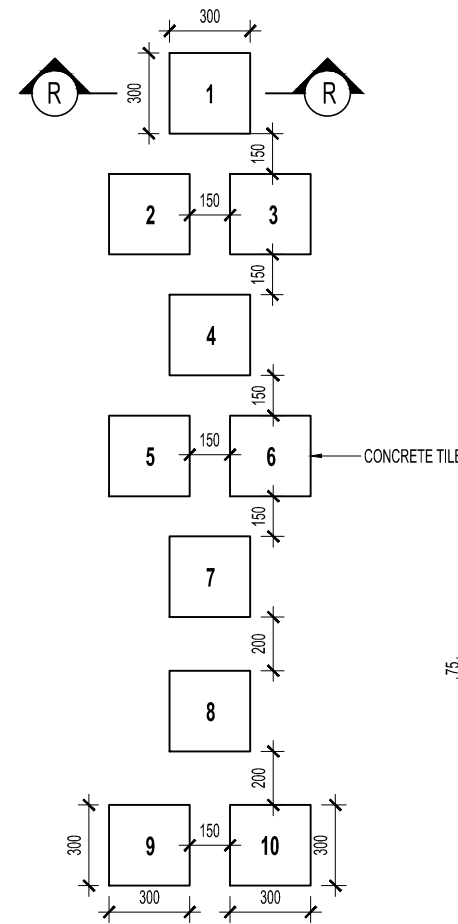
PLAN  
SCALE:- 1:20  
DETAIL OF TIMBER LOGS



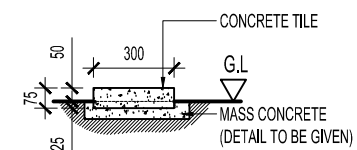
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SECTION P-P  
SCALE:- 1:20



PLAN  
SCALE:- 1:20  
DETAIL OF DANCING TILE




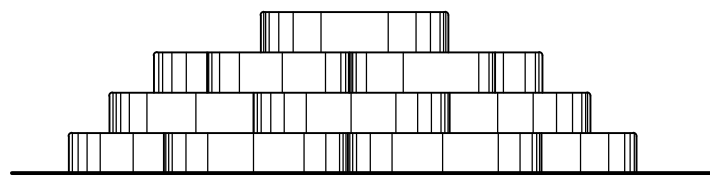
SECTION R-R  
SCALE:- 1:20

NOTE:-  
CONCRETE TILE SHOULD BE PAINT WITH  
DIFFERENT COLOUR & EMBOSSED WITH  
DIFFERENT NUMBERS IN THE TOP FACE.

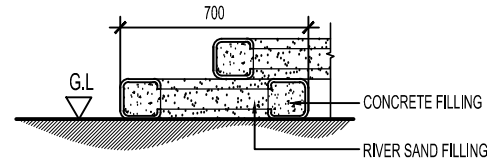
#### GENERAL NOTES

1. FOR GENERAL NOTES , KEY TO SYMBOLS , OTHER NATATIONS , ABBREVIATIONS AND SPECIAL NOTES REFER DRG.NO. C1534-10/ARU/AR/LA-01
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRG. NO. C1534-10/ARU/AR/LA-01,03, & C1534-10/ARU/AR/DE-01,02 & OTHER RESPECTIVE ARCHITECTURAL DRAWINGS.

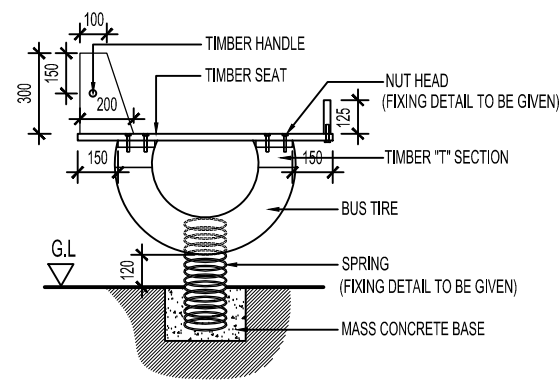
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THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA										
SRI LANKA TOURISM DEVELOPMENT AUTHORITY										
Project		REPAIR & REINSTALLATION OF EQUIPMENT'S AT " SAYURU IMA " PICNIC AREA								
Title		DETAILS OF TIMBER LOGS, CREEPER, SAND BATH & DANCING TILE								
 CENTRAL ENGINEERING CONSULTANCY BUREAU										
Head Office 415, Baddhaloka Mawatha, Colombo-07, Sri Lanka, Tel. 0094-11-2668800, Fax. 0094-11-2687369 E-Mail cecb@sl.lk				Project office UNIT ARCHITECTURAL UNIT Tel. 011 2668838, 011 2668839 Fax. 011 2668951 E-mail cecbarch@gmail.com						
Designed	S.N.P.P		***** Recommended - DGM(Arch) *****							
Checked	C.L.P.S									
Drawn	J.L.T.H		Approved - AGM(Arch)							
Checked	-		Scale:- AS SHOWN				Date:- 01.07.2025		Status	
Submitted	Y.G.R		CAD File:-				-		TEN	
Sheet Size		Drawing No.								Rev. No.
A2		C1534-10/ARU/AR/LA-02								-



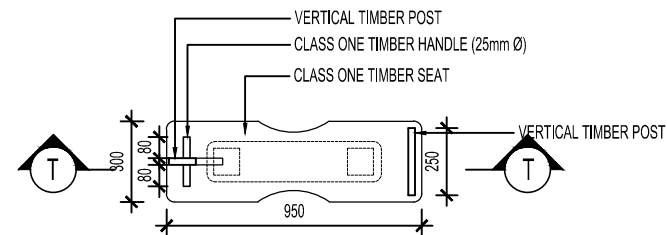
ELEVATION  
SCALE:- 1:20



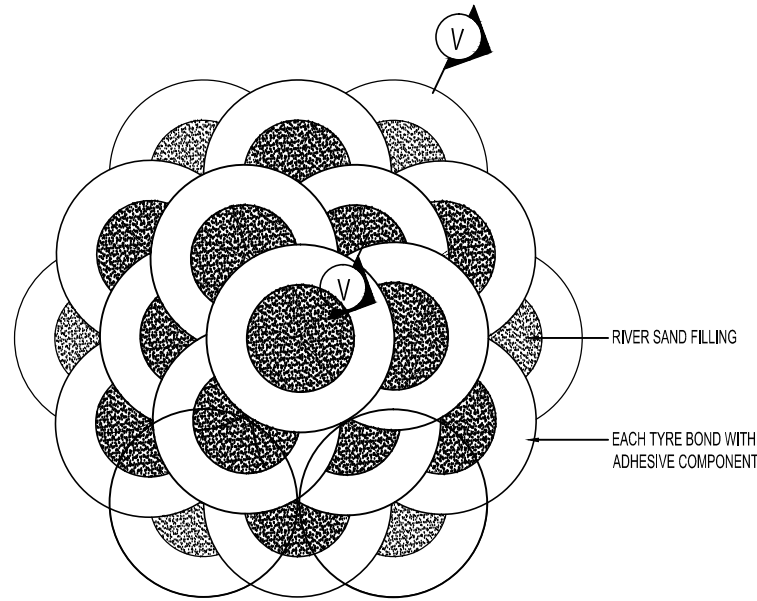
SECTION V-V  
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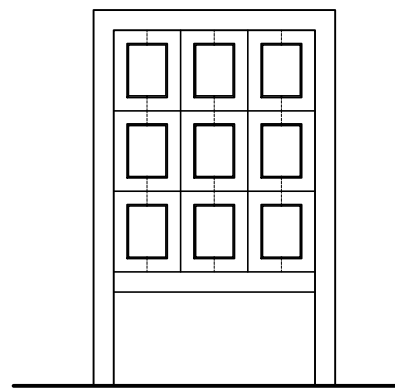
SECTION T-T  
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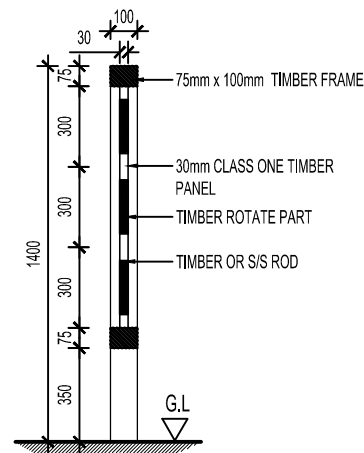
PLAN  
SCALE:- 1:20  
DETAIL OF TYRE SPRINGER



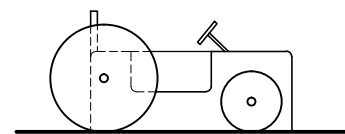
PLAN  
SCALE:- 1:20  
DETAIL OF TYRE CLAMBER



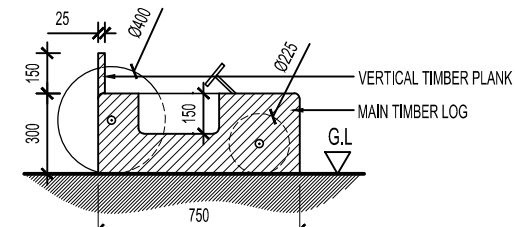
ELEVATION  
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SECTION U-U  
SCALE:- 1:20

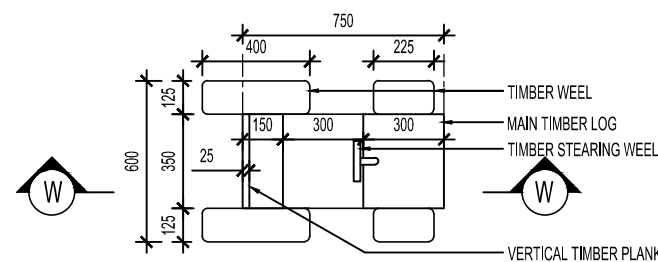


ELEVATION  
SCALE:- 1:20

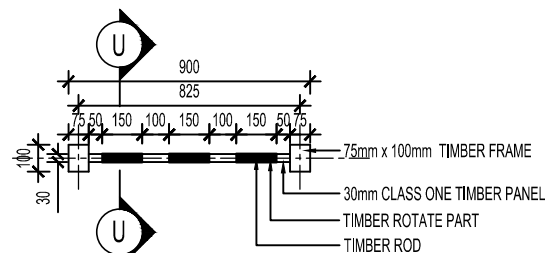


SECTION W-W  
SCALE:- 1:20

NOTE:-  
ALL ITEMS FIX WITH TIMBER ELEVATION NAIL & ADHESIVE COMPONENT.




PLAN  
SCALE:- 1:20  
DETAIL OF TIMBER VEHICLE



PLAN  
SCALE:- 1:20  
DETAIL OF TIMBER PUZZLE BOARD

#### GENERAL NOTES

- FOR GENERAL NOTES, KEY TO SYMBOLS, OTHER NOTATIONS, ABBREVIATIONS AND SPECIAL NOTES REFER DRG.NO. C1534-10/ARU/AR/LA-01
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRG. NO. C1534-10/ARU/AR/LA-01,02, & C1534-10/ARU/AR/DE-01,02 & OTHER RESPECTIVE ARCHITECTURAL DRAWINGS.

Rev.	Date	Desd.	Description				Drawn	Chk'd	App'd
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA SRI LANKA TOURISM DEVELOPMENT AUTHORITY									
Project REPAIR & REINSTALLATION OF EQUIPMENTS AT " SAYURU IMA " PICNIC AREA									
Title DETAILS OF TIMBER PUZZLE BOARD, TIMBER VEHICLE, TYRE CLAMBER & TYRE SPRINGER									
<div>CENTRAL ENGINEERING CONSULTANCY BUREAU</div> <div><div>Head Office 415, Baudhabika Mawatha, Colombo-07, Sri Lanka, Tel. 0094-11-2668800, Fax. 0094-11-2667369 E-Mail cecb@sl.lk</div><div>Project office UNIT ARCHITECTURAL UNIT Tel. 011 2668838, 011 2668839 Fax. 011 2668861 E-Mail cecbarch@gmail.com</div></div>									
Designed	S.N.P.P			.....					
Checked	C.L.P.S			Recommended - DGM(Arch)					
Drawn	J.L.T.H			Approved - AGM(Arch)					
Checked	-			Scale:- AS SHOWN	Date:- 01.07.2025	Status			
Submitted	Y.G.R			CAD File:-	-	TEN			
Sheet Size		Drawing No.							Rev. No.
A2		C1534-10/ARU/AR/LA-03							-






Technical drawing of a double-hung window showing dimensions and components. The window is shown in a side elevation view. The overall width is 600 units. The overall height is 2100 units. The window is divided into two main sections: the upper section is 1200 units high, and the lower section is 900 units high. The upper section contains a single sash, and the lower section contains a single sash. The center of gravity (CG) is marked for each sash. The drawing includes labels for the TIMBER FRAME and TIMBER SASH. The bottom of the window is labeled FFL (Finished Floor Level).

[illegible]

Rev.	Date	Desd.	Description	Drwn.	Chk'd	App'd
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA						
SRI LANKA TOURISM DEVELOPMENT AUTHORITY						
<b>Project</b> REPAIR & REINSTALLATION OF EQUIPMENTS AT " SAYURU IMA " PICNIC AREA						
<b>Title</b> PROPOSED WAITING HUT FOR WHEEL PARK FLOOR PLAN, ROOF PLAN, VIEW- "A"& SECTION-X						


**CENTRAL ENGINEERING CONSULTANCY BUREAU**

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E-Mail cecb@slt.lk

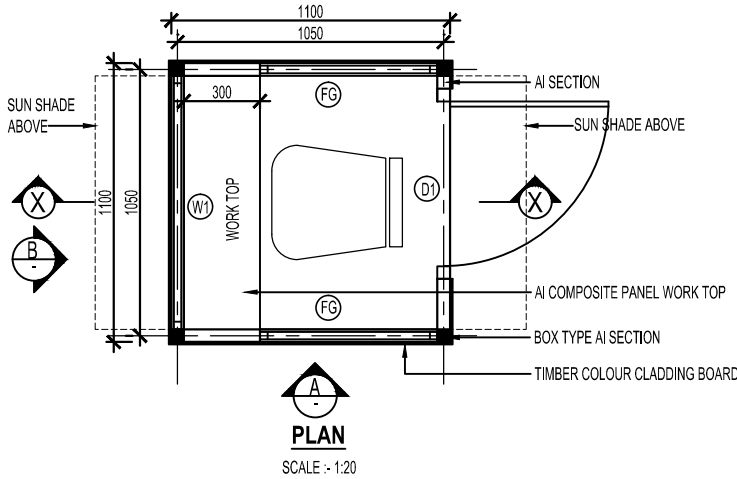
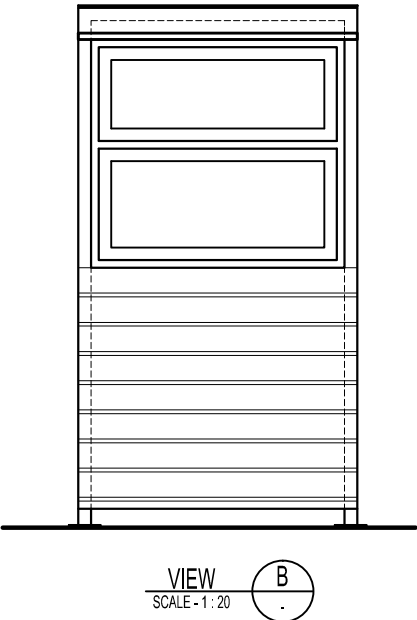
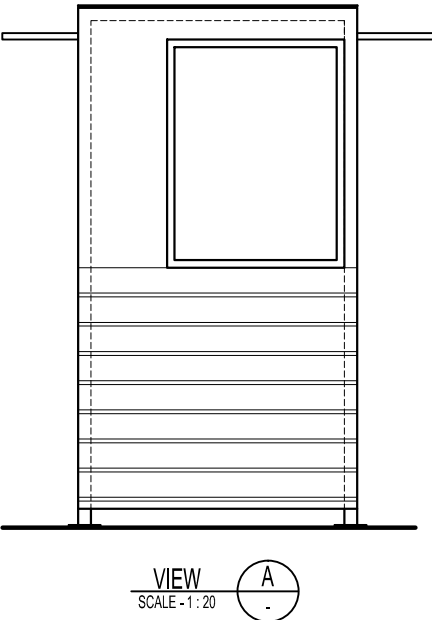
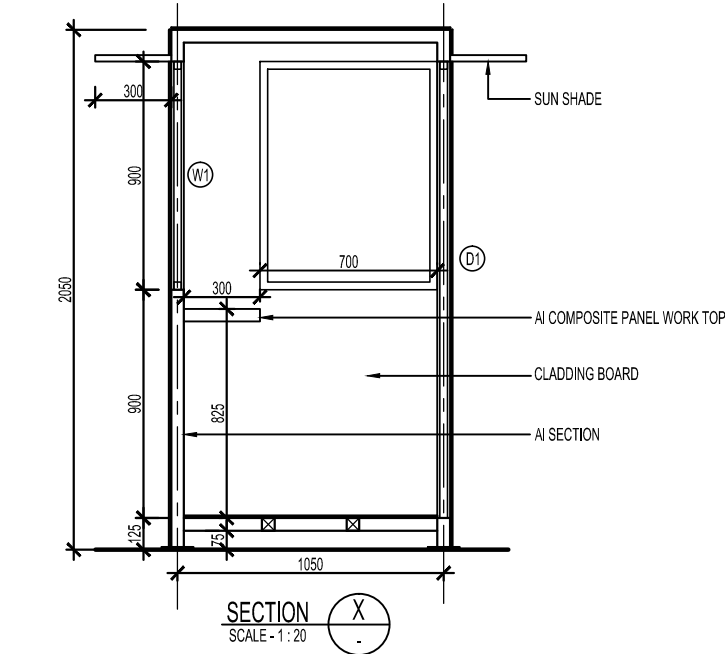
Project office  
**UNIT ARCHITECTURAL UNIT**  
Tel. 011 2668838, 011 2668839  
Fax. 011 2668961  
E-mail cecbarchi@gmail.com

Designed	S.N.P.P		..... Recommended - DGM(Arch)		
	Checked		C.L.P.S	..... Approved - AGM(Arch)	
Drawn	G.D.G.P				
Checked	-		Scale:- AS SHOWN	Date:- 01.07.2025	Status
Submitted	Y.G.R		CAD File:-	-	TEN

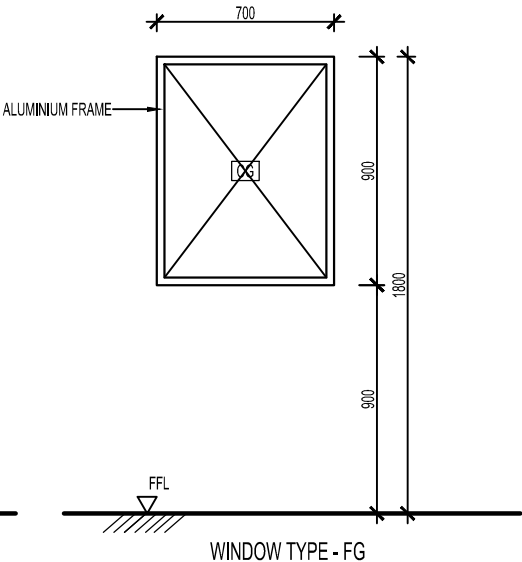
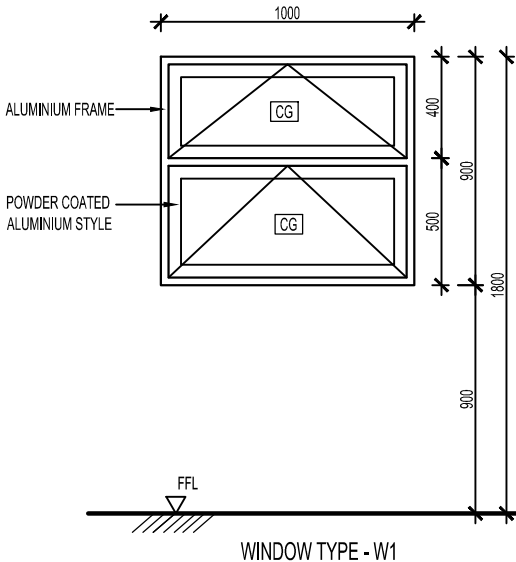
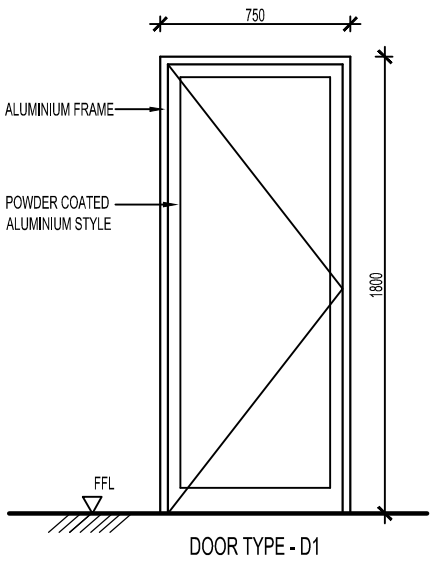
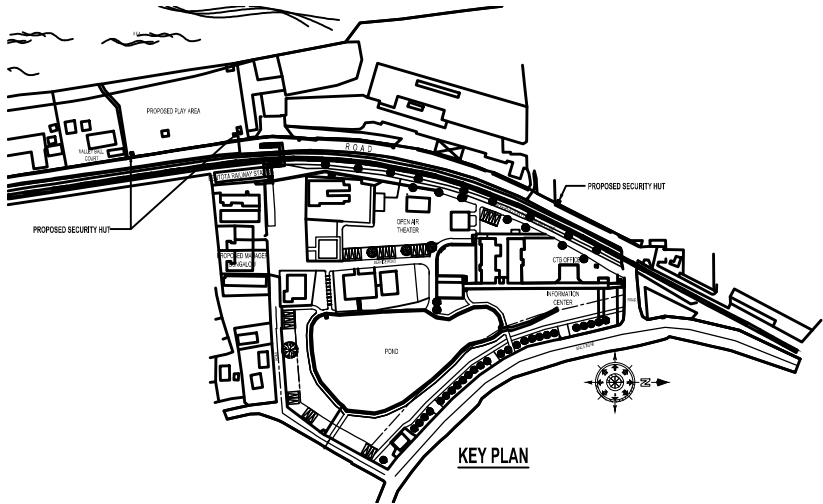
Sheet Size	Drawing No.	Rev. No.
A3	C1534-10/ARU/AR/DE-01	Page 26

GENERAL NOTES

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2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRG. NO .C1534-10/ARU/AR/LA-01,02,03, & C1534-10/ARU/AR/DE-01 & OTHER RESPECTIVE ARCHITECTURAL DRAWINGS.



SCHEDULE OF DOORS & WINDOWS				
TYPE	SIZE	DESCRIPTION	SILL	TOTAL
D1	900 × 1800	PVC DOOR.	-	01
W1	1000 × 900	ALUMINIUM FRAME SINGLE SASH TOP HUNG WINDOW.	+ 900	01
FG	700 × 900	ALUMINIUM FRAME FIX WINDOW.	+ 900	02



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THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA SRI LANKA TOURISM DEVELOPMENT AUTHORITY						
Project REPAIR & REINSTALLATION OF EQUIPMENT'S AT " SAYURU IMA " PICNIC AREA						
Title DETAILS OF SECURITY HUT & DETAILS OF DOORS AND WINDOWS						
cecb CENTRAL ENGINEERING CONSULTANCY BUREAU						
Head Office 415, Buddhaloka Mawatha, Colombo-07, Sri Lanka. Tel. 0094-11-2668800, Fax. 0094-11-2687369 E-Mail cecb@slk.lk			Project office UNIT ARCHITECTURAL UNIT Tel. 011 2668838, 011 2668839 Fax. 011 2668861 E-mail cecbarchi@gmail.com			
Designed	S.N.P.P	Recommended - DGM/Archi				
Checked	C.L.P.S	Approved - AGM/Archi				
Drawn	J.L.T.H					
Checked	-	Scale - AS SHOWN	Date - 01.07.2025	Status		
Submitted	Y.G.R	CAD File -	-	TEN		
Sheet Size	Drawing No.		Rev. No.			
A2	C1534-10/ARU/AR/DE-02		-			

## **SECTION - 08**

### **BILL OF QUANTITIES**

## **PREAMBLE TO THE BILL OF QUANTITIES**

1. The Conditions of Contract, the Specifications are to be read in conjunction with the Bill of Quantities.
2. The cost of complying with all conditions, obligations and liabilities described in the Conditions of Contract and the Specifications and carrying out the work as described shall be deemed to be spread over and included in the prices or sums stated by the Bidder in the Bill of Quantities. VAT should be separately added.
3. If the Bidder failed to price any Items in the Bill of Quantities then the cost of the work under such Item shall be held to be spread over and included in the prices given against other Items of work.
4. When trade names, brand 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 characteristics of type, quality, appearance, finish, method of construction and/or performance is equal to or superior to specify.
5. Whenever the method of measurement is not clear from documents available, the principles as given in the Sri Lanka Standard 573, 1982, Method of Measurement of Building Work shall be applicable.
6. All items of work shall comply exactly with the Contract unless otherwise approved by the Engineer and the rates and sums inserted in the Bill of Quantities shall be deemed to apply to the work as specified. If, for his own convenience or reasons of availability, the Contractor proposes and the Engineer approves the use or provision of alternative items, materials or method of working, or equivalent or superior quality to those specified in the Contract, the rates and sums inserted in the Bill of Quantities shall not in any case be increased as a result.
7. The quantities set out in the Bill of Quantities are provisional and cover the approximate scope of the work which is 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.

Where, for his own purposes or due to his own default, the Contractor carries out the Works in such a manner that the quantity of any Item of work in particular component to be measured for payment purposes differs from that directed by the Engineer, then payment shall be made according to the lesser of the actual quantity and that directed. An excess quantity in one part of the component shall not, however, be allowed to offset a deficit elsewhere in the same component for measurement purposes.

Where the determination for payment purposes of the quantity of any Item of work depends upon the measurement of existing features or ground levels and the like, then prior to carrying out any operations which might affect such measurement, the Contractor shall first take such levels and measurements as the Engineer may direct and, after the Engineer has had the opportunity to check the same, they shall be

certified as agreed by both the Engineer and the Contractor. In the event that the Contractor fails to observe the above procedure, the Engineer shall determine the quantity to be assumed for payment purposes using the best information available to him, and his decision in the matter shall be final.

8. Metric units are used throughout the Bill of Quantities for measurement purposes unless otherwise indicated. Abbreviations used in the Contract are as follows:-

mm	-	Millimeter
Lm, and m	-	Linear meter
kg	-	Kilogram
m <sup>2</sup>	-	Square meter
m <sup>3</sup>	-	Cubic meter
No.	-	Number
Rs.	-	Sri Lanka Rupees
Cts.	-	Cents
P/ sum	-	Provisional sum
L/ Sum	-	Lump Sum
Per Block	-	Per one Block

9. Bidder should visit and acquaint themselves with all existing conditions, the nature and extent of work to be done under this contract ascertaining the difficult conditions governing access to the site, the extent of work, the extent for storage of materials and accordingly include cost for, in their prices.
10. Bidder who has selected for the Construction work should comply with the arrangement of the **National Holiday Resort, Bentota.**, and has ready to work as requested by the Sri Lanka Tourism Development Authority. Programme of work should be submitted to meet the requirement.
11. Bidder who has selected for the construction work should pay his attention to the work to be carried out in the **National Holiday Resort, Bentota.**, without disturbing to normal functioning of the Holiday Resort works. Contractor shall make all necessary provisions and take all precautions to eliminate the transmission of noise, vibration & dust, which is harmful to the Tourist and others. Bill of Quantities should be priced considering above facts too.
12. Rates shall also include for :
- Plant, tool etc. scaffolding, Protecting fence with Nylon netting where necessary, protective covering boards fixing with framework around the construction place, all labour and waste incidental material fixing media cartage, hoisting, fitting and fixing complete and relevant overheads & preliminary expenses and profits and for comply with by laws and regulations lawfully imposed by the Local Authorities etc.
  - Providing holes, casing etc. as directed for electrical installations, pipe insertion and making good for the same as and when such installations are provided.

<b>REPAIRING &amp; REFURBISHMENT WORKS AT NHR - BENTHOTA (PHASE III)</b> <b>REPAIR AND REINSTALLATION OF PLAY EQUIPMENT AT "SAYURU IMA" PICNIC AREA</b> <b>BILL OF QUANTITIES</b> <b>GRAND SUMMARY</b>		
Bill No.	Description	Amount LKR
A	PRELIMINARIES	
B	INSTALLATION OF KIDS PLAY EQUIPMENTS	
C	CONSTRUCTION OF MOVABLE SECURITY HUTS	
D	CONSTRUCTION OF WAITING HUT FOR WHEEL PARK	
	<b>SUB TOTAL (1)</b>	
	Ddt - Provisional Sums	(725,000.00)
	<b>SUB TOTAL (2)</b>	
	Ddt - Discount (if any)	
	<b>SUB TOTAL (3)</b>	
	Add - Provisional Sums	725,000.00
	<b>GRAND TOTAL Carried to form of Bid (Excluding VAT)</b>	
	Add - 2.56% SSCL	
	<b>SUB TOTAL (4)</b>	
	Add- VAT (18%)	
<b>GRAND TOTAL INCLUDING VAT</b>		
Tenderer's VAT registration No. .....		
Tender Amount (in words) Sri Lankan Rupees ..... ..... .....		
Name of Bidder: ..... ..... ..... .....		
Address: ..... .....		
Signature and Seal :  <b>Witnesses :-</b> Signature : ..... Signature : ..... Name: ..... Name: ..... Address: ..... Address: .....		

**REPAIR AND REINSTALLATION OF PLAY EQUIPMENTS AT "SAYURU IMA" PICNIC AREA**

**A - PRELIMINARIES**

**BILL OF QUANTITIES**

ITEM NO.	DESCRIPTION	PAYMENT MODE	QTY.	UNIT	UNIT RATE (RS)	AMOUNT (RS)
<b>A</b>	<p><b>PRELIMINARIES</b></p> <p><b>Note : Following items to be priced as appropriate.</b></p> <p><i>The tenderer is advised to visit the site of the proposed work, as it is his responsibility to ascertain the Conditions, governing access to the site, the external working space, storage area, status of the adjoining properties etc.</i></p> <p><i>The Contractor shall be responsible for any loss or damage to the work, existing structures, adjoining structures and unfixed materials.</i></p> <p><i>The contractor shall responsible for dust pollution and noise from the site and shall be the contractor's responsibility for any complaints, damages or claims in connection with works.</i></p> <p><i>All the temporary works shall be dismantled and cleared away from the site on completion of the work</i></p> <p><i>Any other preliminary items not listed below/above but deemed to be included in the tender rates, as no extras would be made</i></p> <p><i>Mode of payment for preliminary items shall be as described below;</i></p> <p><i>(A) - Reimbursement of actual cost on submission of the relevant documents acceptable to the Engineer plus 5% of the actual cost of obtaining the Insurance Policies and Securities, subjected to the maximum quoted for that item.</i></p> <p><i>(B) To be paid on signing of the formal Contract Agreement.</i></p> <p><i>(C) 60% on completion of temporary buildings or structures. 30% in equal installments over the contract period and balance 10% on dismantling and removal on completion.</i></p> <p><i>(D) Paid on satisfactorily completion of the item.</i></p> <p><i>(E) In equal installments over the contract period.</i></p> <p><i>(F) Mode of payment to be mutually agreed between Contractor and the Employer at the commencement of contract in relation to the Programme of work.</i></p> <p><i>(G) On the completion of Works.</i></p> <p><b>Insurance and Securities</b></p>					
A.1	Allow Lump sum for providing a Performance Security as specified.	A	Item			
A.2	Allow Lump sum for providing an Advance Payment Security as specified.	A	Item			
A.3	Allow Lump sum for insurance of Works, Machinery & Equipment, Plant, Materials, third party persons & property and Employer's personnel & property at site as per the Contract.	A	Item			

**REPAIR AND REINSTALLATION OF PLAY EQUIPMENTS AT "SAYURU IMA" PICNIC AREA**

**A - PRELIMINARIES**

**BILL OF QUANTITIES**

ITEM NO.	DESCRIPTION	PAYMENT MODE	QTY.	UNIT	UNIT RATE (RS)	AMOUNT (RS)
A.4	Allow Lump sum for insurance against accidents and injury to Contractor's personnel as per the Contract.	A	Item			
	<b>Engineer's Facilities</b>					
A.5	Constructing, maintaining, dismantling and removal on completion of the Works, a temporary air conditioned building for Engineer's office in conformity with the plans provided for Engineer's requirements, including necessary furniture and fittings, furnishing, sanitary facilities and other facilities.					N/A
	<b>Contractor's Facilities</b>					
A.6	Allow lump sum for constructing, maintaining, dismantling and removal on completion of the works, a temporary site office of adequate size including staff rest room and toilets and other facilities for the Contractor's site management staff in accordance with the plans prepared by the Contractor and concurred by the Engineer.					N/A
	<b>Construction Management and Supervision</b>					
A.7	Allow lump sum for employing suitably qualified and experienced technical personnel on full time basis for Construction Management Services at the site.					
	(a) for 1 nr. Technical Officer (Civil) as specified over contract period. <b>(Full Time Basis)</b>		2	month		
	<b>Setting Out</b>					
A.8	Allow lump sum for setting out of Works in accordance with drawings and other written information given by the Engineer.	E	Item			
	<b>Quality, Standards and Progress</b>					
A.9	Allow lump sum for all cost 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.	E	Item			
	<b>Health, Safety and Environment</b>					
A.10	Allow lump sum for providing all necessary safety measures to workmen at site conforming to the latest industrial safety regulations and as directed by the Engineer.	E	Item			
A.11	Allow lump sum for demobilization, removal of all rubbish & debris and clearing up site on completion, leaving all in good order and handing over.	G	Item			
	<b>Security and Protection</b>					
A.12	Allow lump sum for employing an adequate number of security personnel and security systems on full time basis throughout the period of construction, and provide for necessary security lighting and a warning system.	E	Item			



**REPAIR AND REINSTALLATION OF PLAY EQUIPMENTS AT "SAYURU IMA" PICNIC AREA**

**A - PRELIMINARIES**

**BILL OF QUANTITIES**

ITEM NO.	DESCRIPTION	PAYMENT MODE	QTY.	UNIT	UNIT RATE (RS)	AMOUNT (RS)
A.13	Allow lump sum for providing and maintaining necessary fencing, hoarding and gates for safeguarding the Works, Materials and Plant, as directed by the Engineer. <b>Services and Facilities</b> <b>Rates shall include the cost for water &amp; electricity supplies for the construction works. Contractor should arrange those by suitable methods.</b>			<i>Note</i>		N/A
A.14	Allow lump sum for supply of 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.	E	Item			N/A
A.15	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.	E	Item			N/A
<b>A</b>	<b>PRILIMINARY WORKS CARRIED TO GRAND SUMMARY</b>					

**REPAIR AND REINSTALLATION OF PLAY EQUIPMENT AT "SAYURU IMA" PICNIC AREA**

**B - INSTALLATION OF KIDS PLAY ITEMS**

**SUB - SUMMARY (B)**

ITEM	DESCRIPTION	AMOUNT	
		Rs.	Cts.
B.1	EXCAVATION & EARTH WORK		
B.2	CONCRETE WORK		
B.3	KIDS PLAY ITEMS		
B.4	MISCELLANEOUS WORK	600,000.00	
	<b>SUB TOTAL CARRIED TO GRAND SUMMARY</b>		-

**REPAIR AND REINSTALLATION OF PLAY EQUIPMENT AT "SAYURU IMA" PICNIC AREA**

**B - INSTALLATION OF KIDS PLAY ITEMS**

**BILL OF QUANTITIES**

ITEM NO.	ITEM DESCRIPTION	QTY.	UNIT	Rate		Amount	
				Rs.	Cts.	Rs.	Cts.
<b>B.1</b>	<b><u>EXCAVATION &amp; EARTH WORK</u></b> <b>Rate is included for:</b> <i>Back filling with selected excavated material &amp; consolidating. Surface treatment; compaction before filling / foundation.</i> <i>Disposal of surplus soil as directed &amp; keeping all excavations free from water unless other wise measured separately.</i> <i>Any additional excavation for working space.</i> <i>Earth work supports if necessary</i> <b><u>Excavation</u></b> B.1.1 Excavation for foundation by manually in any material except rock requiring blasting, part return fill in and ram, and disposing surplus within site as directed. (not exceeding 5ft depth) <b><u>Earth Filling</u></b> B.1.2 Filling under floors with approved imported earth in layers not exceeding 150mm including spreading, watering , ramming and compacting.		Note  Note  Note Note				
		9.00	m <sup>3</sup>				
		5.00	m <sup>3</sup>				
<b>B.1</b>	<b>TOTAL IN EXCAVATION &amp; EART WORK CARRIED TO SUB-SUMMARY (B)</b>						
<b>B.2</b>	<b><u>CONCRETE WORK</u></b> <i>Rate shall include for depositing, handling, curing, hoisting into position, vibrating etc. and making good after removal of formwork etc.</i> <i>Concrete shall be protected against harmful effects of weather, running water and drying out by one of the following methods appropriated to the particular situation.</i>  <i>Reinforcement paid for separately unless otherwise specified in the item</i> <i>Rate shall be include for Supplying and Laying 600 gauge polythene before concreting</i> <i>Rate shall be include for Earth work support / shoring if necessary</i> <b>Grade 20(20) Concrete in followings including placing, leveling and vibrating</b> B.2.1 Grade 20(20) Mass Concrete in filling Tyres, in ground as restrained, etc . <b>Grade 25(20) concrete in followings including placing, leveling and vibrating</b> B.2.2 Grade 25(20) concrete in column footing, column shaft and other structural components <b><u>FORM WORK</u></b> <i>Formwork is measured as the net contact surface area between concrete and formwork.</i>		Note  Note  Note Note Note				
		4.00	m <sup>3</sup>				
		0.50	m <sup>3</sup>				
			Note				

**REPAIR AND REINSTALLATION OF PLAY EQUIPMENT AT "SAYURU IMA" PICNIC AREA**

**B - INSTALLATION OF KIDS PLAY ITEMS**

**BILL OF QUANTITIES**

ITEM NO.	ITEM DESCRIPTION	QTY.	UNIT	Rate		Amount	
				Rs.	Cts.	Rs.	Cts.
B.2.3	<i>Rate for form work to be included for all necessary boarding, supports, erecting, framing, cutting angles, cleaning, wetting and any surface treatment before and after placing of concrete.</i>	10.00	Note				
	<i>Easing, striking, removing and cleaning and preparing for re-use and removal when no longer required.</i>		Note				
	12mm thk plywood form work all concrete works		m <sup>2</sup>				
	<b>REINFORCEMENT</b>		Note				
B.2.4	<i>Rate to include for supplying, cleaning, cutting, bending, fabricating, placing and the provision of all necessary fixing and supports etc. including binding wires, tying wires, Distance blocks (designed laps include in quantities).</i>	10.00	Note				
	<i>Both Tore Steel and Mild steel quantities shall be measure together.</i>		Note				
B.2.4	In all structural concrete works	10.00	kg				
<b>B.2</b>	<b>TOTAL IN CONCRETE WORK CARRIED TO SUB-SUMMARY (B)</b>						
<b>B.3</b>	<b>KIDS PLAY ITEMS</b>		Note				
	<i>Supply and fixing of kids play equipment as per the specifications and to the satisfaction of the Architect and the Engineer and complete in working order. All steel component shall be of stainless steel Grade 316 S33 (marine grade) (Universal No SS2343) to BS 970 Part 1 or Number 1.4436 to BS EN 10095 1:1999 and BS EN 10088-3:1995 or hot dipped galvanized and paint with marine paint system or approved system. Specification should approved by the Engineer before procurement. Layout Plan and photographs are given for references</i>		Note				
	<i>All the Fixing arrangements, nut and bolts, preparation of concrete or stainless steel bases, any stainless steel component or other material components should be included to the rate.</i>		Note				
	<i>Rates shall include cost of transport charges relevant to all the applications, treatments, fabrications, etc.</i>		Note				
	<i>Wood preservatives should be applied to timber logs &amp; its parts only after sizing it to required measurements.</i>		Note				
	<i>All the precautions should be taken to avoid the corrosions in steel components</i>		Note				
	<i>All the materials should be durable, match to the out door climate in the area.</i>		Note				
	<b>Minimum 5 year warrantee should be given for all Play Items</b>		Note				
	<i>All the items are fixed near to beach and outdoor purpose</i>		Note				
	<i>Fixing arrangements should be approved before proceed the work</i>		Note				

**REPAIR AND REINSTALLATION OF PLAY EQUIPMENT AT "SAYURU IMA" PICNIC AREA**

**B - INSTALLATION OF KIDS PLAY ITEMS**

**BILL OF QUANTITIES**

ITEM NO.	ITEM DESCRIPTION	QTY.	UNIT	Rate		Amount	
				Rs.	Cts.	Rs.	Cts.
B.3.1	<p>Work shall be carried out by experienced sub Contractor. Local agent should be available for the maintenance/ repair during post construction period. <b>Five years service agreement need to be signed with local agent</b> and the Client. Service agreement should be approved before procurement of work.</p> <p>Prior approval to be obtained for suitable river sand and all sand filling shall be with river sand.</p> <p>All the painting work on rubber parts / timber sections should be <b>CIC or better quality</b> product approved by the Engineer.</p> <p>The tyres will be used rubber tyres of size shown below and should not have visible defects that reduce the strength of the tyre.</p> <p><b>Outer Diameter = 700 ± 25 mm</b>  <b>Nominal Section Width = 225 ± 10 mm</b>  example sizes : 215/75R15, 225/50R18, 225/55R18, 225/60R17, 225/65R17, 235/55R18  Tyres shall be purchased by the Contractor from the Tire Service Centers or other organizations.  All tyres shall be from same type &amp; size.  The fixing nuts, bolts and washers, anchorage bars and shackles shall all be of stainless steel Grade 316 S33 (marine grade) (Universal No SS2343) to BS 970 Part 1 or Number 1.4436 to BS EN 10095 1:1999 and BS EN 10088-3:1995.</p>		Note				
	<b>PLAY ITEMS</b>		Note				
	<p>Items will be used by Children. Hence all the materials and items should be more safe and not harmful. All the items should be complied to the safety standards of Sri Lanka.</p> <p>Refer the Architectural Drawings attached herewith for further details regarding the each play item.</p> <p>C1534-10/ARU/AR/LA-01  C1534-10/ARU/AR/LA-02  C1534-10/ARU/AR/LA-03</p>		Note				
	<b>HALF ROUND TYRES</b>						
B.3.1.1	<p>Supply all material and construct <b>Half Round Tyres</b> using 700x225 mm approx. size used tyres as per the specifications, drawing No. C1534-10/ARU/AR/LA-02 &amp; structural drawings where relevant.</p> <p>Fixed on ground using grade C20(20) concrete, avg. depth of 350mm &amp; avg. width of 375mm for each tyre.</p> <p>Rate shall be included for excavation, backfilling, remove surplus earth away from site, shoring or formwork (if necessary), concrete, curing and painting tyres with 01 coat of plastic primer (CIC Sikken or equivalent) and 02 coats of enamel paint as directed by the Engineer.</p>	5	Nrs				

**REPAIR AND REINSTALLATION OF PLAY EQUIPMENT AT "SAYURU IMA" PICNIC AREA**

**B - INSTALLATION OF KIDS PLAY ITEMS**

**BILL OF QUANTITIES**

ITEM NO.	ITEM DESCRIPTION	QTY.	UNIT	Rate		Amount	
				Rs.	Cts.	Rs.	Cts.
B.3.1.2	<p><b>TYRE CREEPERS</b></p> <p>Supply all material and construct <b>Tyre Creeper</b> using 700x225 mm approx. size used tyres (5 Nos) as per the specifications, drawing No. C1534-10/ARU/AR/LA-02 &amp; structural drawings where relevant.</p> <p>Fixed on ground using grade C20(20) concrete, avg. depth of 350mm &amp; avg. width of 375mm for each tyre.</p> <p>Rate shall be included for excavation, backfilling, remove surplus earth away from site, shoring or formwork (if necessary), concrete, curing and painting tyres with 01 coat of plastic primer (CIC Sikken or equivalent) and 02 coats of enamel paint as directed by the Engineer.</p>	1	Item				
B.3.1.3	<p><b>TYRE CLAMBER</b></p> <p>Supply all material and construct <b>Tyre Clamber</b> using 700x225 mm approx. size used tyres as per the specifications, drawing No. C1534-10/ARU/AR/LA-03 &amp; structural drawings where relevant.</p> <p>The inside of the tyres (balloon) should be fully concreted using grade C20(20) mass concrete. In addition, in the lowest tyre layer, bottom half of the tyre middle should be concreted and the gaps at perimeter between adjacent layers to avoid sand movement.</p> <p>Rate shall be included for excavation and/or backfilling (ground preparation), remove surplus earth away from site, concreting, curing and painting tyres with 01 coat of plastic primer (CIC Sikken or equivalent) and 02 coats of enamel paint as directed by the Engineer.</p> <p>Furthermore, rate shall be included for placing &amp; connecting tyres in position (connecting method should be approved by the Engineer) and fill the space of tyre middle using river sand.</p> <p>When connecting tyre parts, the cutting edges should be neat, align with the joining surface and smoothened to prevent any harm to children. A suitable glue/joining material should be used for the connection with the Engineers approval.</p> <p>Tyre Clamber should be constructed in stagewise, i.e. as layers.</p>	2	Item				

**REPAIR AND REINSTALLATION OF PLAY EQUIPMENT AT "SAYURU IMA" PICNIC AREA**

**B - INSTALLATION OF KIDS PLAY ITEMS**

**BILL OF QUANTITIES**

ITEM NO.	ITEM DESCRIPTION	QTY.	UNIT	Rate		Amount	
				Rs.	Cts.	Rs.	Cts.
B.3.1.4	<p><b>TYRE SAND BATH</b></p> <p>Supply all material and construct <b>Tyre Sand Bath</b> using 700x225 mm approx. size used tyres as per the specifications, drawing No. C1534-10/ARU/AR/LA-02 &amp; structural drawings where relevant.</p> <p>Rate shall be included for excavation and/or backfilling (ground preparation), remove surplus earth away from site, concreting, curing and painting tyres with 01 coat of plastic primer (CIC Sikkens or equivalent) and 02 coats of enamel paint as directed by the Engineer.</p> <p>Furthermore, rate shall be included for placing &amp; connecting tyres in position (connecting method should be approved by the Engineer) and fill the space of tyre middle using river sand.</p> <p>Tyres should be cut to the required sizes and join properly, the cutting edges should be neat, align and smoothened to prevent any harm to children. A suitable glue/joining material/nut &amp; bolts should be used for the connection with the Engineers approval.</p> <p>The cut surfaces should be sealed/covered by tyre material in a suitable, durable &amp; safe manner.</p>	2.00	Item				
B.3.1.5	<p><b>TIMBER LOGS</b></p> <p><b><i>All timber logs heights specified below are from Finished Ground Level (FGL). Required total height should be taken by adding the anchoring heights below ground level (FGL)</i></b></p> <p>Supply all the materials and construction of different sizes <b>Timber Logs</b> as per the specifications, drawing No. C1534-10/ARU/AR/LA-02 &amp; structural drawings where relevant. Work Shall be carried out with specified finished size approved timber (Teak or equivalent approved by Engineer), suitable for outdoor climate, durable, no crack or faded to external usage, well seasoned and pressure treat with wood preservative.</p> <p>Rate shall be included for excavation for pits, backfilling, remove surplus earth away from site, shoring/formwork (if necessary), concreting, anchoring and planning, sanding &amp; finishing with one coat of Aluminium Wood Primer and two coats of enamel paint in different colors.</p> <p>Logs should be concreted using grade C20(20) mass concrete starting from 100mm below ground finish level. Concrete shall be minimum 100mm tk at sides and 150mm minimum at bottom. Each Log should be provided with 3 Nos of 16mm Ø anchors (100x200mm L shape where 100mm of long side embeded in to the Log).</p> <p>Samples should be approved before proceed the work.</p> <p><b>All timber logs should have minimum 300mm height in below ground level as anchorage</b></p>		Note				

**REPAIR AND REINSTALLATION OF PLAY EQUIPMENT AT "SAYURU IMA" PICNIC AREA**

**B - INSTALLATION OF KIDS PLAY ITEMS**

**BILL OF QUANTITIES**

ITEM NO.	ITEM DESCRIPTION	QTY.	UNIT	Rate		Amount	
				Rs.	Cts.	Rs.	Cts.
B.3.1.6	300mm dia. and 150mm height (from FGL) Timber log	2	Nrs				
	300mm dia. and 300mm height (from FGL) Timber log	5	Nrs				
	300mm dia. and 450mm height (from FGL) Timber log	2	Nrs				
	300mm dia. and 600mm height (from FGL) Timber log	2	Nrs				
	450mm dia. and 300mm height (from FGL) Timber log	2	Nrs				
	450mm dia. and 450mm height (from FGL) Timber log	1	Nrs				
	450mm dia. and 600mm height (from FGL) Timber log	1	Nrs				
	<b>DANCING TILE</b>						
	Supply all the materials and making of <b>Dancing Tile</b> as per the specifications, drawing No. C1534-10/ARU/AR/LA-02 & structural drawings where relevant.						
	Item includes casting 10 Nos of 75mm tk 300x300mm size pre-cast concrete Tiles using grade C30(20) concrete, top finished level & uniform including 50x50mm welded GI mesh in 3mm gauge as reinforcement. The number in each Tile should be 150mm in height and embossed to a 1mm thickness over the top finished surface using sieved 1mm uniform size sand by a suitable & durable bonding agent with the approval of the Engineer. Tiles should be positioned by placing on a wet 50mm thk. grade C20(20) screed concrete.						
	Rate shall also be included for excavation, filling, compaction, ground preparation, surplus disposing away and finishing with two coats of primer and two coats of enamel paint. The tiles and numbers will be painted with different colors as per the instructions of the Architect.						
		2	Item				



**REPAIR AND REINSTALLATION OF PLAY EQUIPMENT AT "SAYURU IMA" PICNIC AREA**

**B - INSTALLATION OF KIDS PLAY ITEMS**

**BILL OF QUANTITIES**

ITEM NO.	ITEM DESCRIPTION	QTY.	UNIT	Rate		Amount	
				Rs.	Cts.	Rs.	Cts.
B.3.1.7	<p><b>TIMBER PUZZLE BOARD</b></p> <p>Supply all the materials and construction of <b>Timber Puzzle Board</b> as per the specifications, drawing No. C1534-10/ARU/AR/LA-03 &amp; structural drawings where relevant. Work Shall be carried out with specified finished size approved timber (Teak or equivalent approved by Engineer), suitable for outdoor climate, durable, no crack or faded to external usage, well seasoned, pressure treated with wood preservative.</p> <p>Puzzle board consisted of timber outer frame in 75x100mm, inner frame using 30mm thk. planks and 20mm thk. 190x140mm rotating parts connected using 10mm dia. stainless steel Grade 316 S33 (marine grade) rods with 40mm deep 12mm (inner dia.) hollow pipe as casings embedded in to inner frame and rotating parts. All connections shall be using timber to timber joints, timber nails or S/S nuts &amp; bolts.</p> <p>Rate shall be included for planning, sanding and finishing with one coat of Aluminium Wood Primer and two coats of enamel paint in different colors. The Puzzle design should be printed on both sides of rotating parts as per Architects design.</p> <p>Two vertical posts should be connected to RCC base (paid separately) using stainless steel accessories. At each connection provide a base plate &amp; 150mm high pocket around the post using 6mm tk. SS plates, 4 Nrs of 12mm dia. 125mm long bolts with nut &amp; washers, 4 Nrs of 12mm dia. 200mm long anchor bolts. Rate include cutting,</p>	6	Item				
B.3.1.8	<p><b>TIMBER VEHICLE</b></p> <p>Supply all the materials and construction of <b>Timber Vehicle</b> as per the specifications, drawing No. C1534-10/ARU/AR/LA-03 &amp; structural drawings where relevant. Work Shall be carried out with specified finished size approved timber (Teak or equivalent approved by Engineer), suitable for out door climate, durable, no crack or faded to external usage, well seasoned, pressure treated with wood preservative.</p> <p>Rate shall be included for cutting, planning, sanding, assembling and finishing with one coat of Aluminium Wood Primer and two coats of enamel paint in different colors as per the Architects instructions.</p> <p>All connections shall be using timber nails, adhesives and S/S nuts &amp; bolts.</p>	3	Item				

**REPAIR AND REINSTALLATION OF PLAY EQUIPMENT AT "SAYURU IMA" PICNIC AREA**

**B - INSTALLATION OF KIDS PLAY ITEMS**

**BILL OF QUANTITIES**

ITEM NO.	ITEM DESCRIPTION	QTY.	UNIT	Rate		Amount	
				Rs.	Cts.	Rs.	Cts.
B.3.1.9	<p><b>TYRE SPRINGER</b></p> <p>Supplying &amp; fixing of <b>Tyre Springer</b> using 700x225 mm approx. size used tyres &amp; approved teak timber sections as per the specifications, drawing No. C1534-10/ARU/AR/LA-03 &amp; structural drawings where relevant.</p> <p>Tyre should be cut to the required dimension and assembled with timber sections in given finish sizes using timber nails, adhesives and SS nuts, bolts to form the required geometry.</p> <p>The spring should be durable, high corrosion resistance &amp; come with a durable pvc/rubber casing. Foam the spring using stainless steel grade 316 S33 (marine grade) 12.7mm dia. solid rod with 160mm outer diameter rings. (Refer attached drawing)</p> <p>Spring shall be properly connected to the tyre and fixed on ground using grade C20(20) mass concrete. Earth works and concrete will be paid separately.</p> <p>Rate shall be included for cutting, sizing, planning, sanding, pressure treated with wood preservative (timber sections), fabricating and fixing. Painting with 01 coat of plastic primer (CIC Sikkens or equivalent) and 02 coats of enamel paint for tyres, 02 coats of aluminium primer and 02 coats of enamel paint for timber sections as directed.</p>	5.00	Nrs				
<b>B.3</b>	<b>TOTAL IN KIDS PLAY ITEMS CARRIED TO SUB-SUMMARY (B)</b>						
<b>B.4</b>	<b>MISCELLANEOUS WORK</b>						
B.4.1	Allow for repairing work of existing Main Play Equipments.		Pv Sum	500,000.00		500,000.00	
i	Cleaning, removing decades parts & repair with new parts ex. removing and refixing SS 316 Nut and bolts as per instruction by Engineer & clearing debris away from site.						
ii	All debris/decade parts & etc., should be dumped at area proposed by Engineer.						
iii	Demolition & removing of existing foundation work if necessary as per instruction by Engineer's & clearing debris away from site.						
iv	Any other unforeseen works during repairing works.						
B.4.2	Allow for any other unforeseen work in new construction.		Pv Sum	100,000.00		100,000.00	
<b>TOTAL IN MISCELLANEOUS WORKS CARRIED TO SUB-SUMMARY (B)</b>						<b>600,000.00</b>	

**REPAIR AND REINSTALLATION OF PLAY EQUIPMENT AT "SAYURU IMA" PICNIC AREA**

**C - CONSTRUCTION OF MOVEBLE SECURITY HUTS (02 Nrs)**

**SUB - SUMMARY (C )**

ITEM	DESCRIPTION	AMOUNT	
		Rs.	Cts.
C.1	EXCAVATION & EARTH WORK		
C.2	CONCRETE WORK		
C.3	STRUCTURAL METAL WORK		
C.4	ELECTRICAL WORKS		
C.5	METAL WORK AND GLASS WORK		
C.6	MISCELLANEOUS WORKS		
	<b>SUB TOTAL CARRIED TO GRAND SUMMARY</b>		

**INSTALLATION OF PLAY EQUIPMENT AT BEACH PARK - NATIONAL HOLIDAY RESORT, BENTOTA**

**C - CONSTRUCTION OF MOVEBLE SECURITY HUTS (02 Nrs)**

**BILL OF QUANTITIES**

ITEM No.	ITEM DESCRIPTION	QTY	UNIT	RATE	AMOUNT
				Rs. Cts.	Rs. Cts.
<b>C.1</b>	<b><u>EXCAVATION &amp; EARTH WORK</u></b> <i>Rate is included for:</i> <i>Back filling with selected excavated material &amp; consolidating. Surface treatment; compaction before filling / foundation.</i> <i>Disposal of surplus soil as directed &amp; keeping all excavations free from water unless other wise measured separately.</i> <i>Any additional excavation for working space.</i> <i>Earth work supports if necessary</i> <b><u>Excavation</u></b> <b>Excavation for foundation</b> in any material except rock requiring blasting, up to a depth of 1.5m from existing level in followings.  C.1.1 For column pits	2.00	m <sup>3</sup>		
<b>C.1</b>	<b>TOTAL IN EXCAVATION &amp; EARTH WORK CARRIED TO SUB-SUMMARY (C )</b>				
<b>C.2</b>	<b><u>CONCRETE WORK</u></b> <i>The contractor is requested to refer Conditions of Contract, Specifications, Drawings, General Notes, Pricing Preambles, and all other relevant documents prior to pricing of the following items</i>  <i>Rate shall include for depositing, handling, curing, hoisting into position, vibrating etc. and making good after removal of formwork etc.</i>  <b><u>Up to +0.150 level</u></b> C.2.1 <b>Grade 25(20) mass concrete</b> in columns pad including placing, leveling and vibrating, curing, transporting, etc.  <b><u>FORM WORK</u></b> <b><u>Up to +0.150 level</u></b> C.2.2 Sawn timber (class II) formwork for sides of foundation footings	0.40	m <sup>3</sup>		
		4.00	m <sup>2</sup>		
<b>C.2</b>	<b>TOTAL IN CONCRETE WORK CARRIED TO SUB-SUMMARY (C )</b>				
<b>C.3</b>	<b><u>STRUCTURAL METAL WORK</u></b> Rate shall be included for all accessories Rate shall include for cutting, weldinding, grinding, machine drilled bolt holes, bolts, nuts and washers, cleats, base plates, and all other necessary connections. <b><u>GI COLUMNS</u></b> C.3.1 Supply, fabricating & fixing <b>GI box bar size 50 X 50 mm, 3.0 mm thk</b> for <b>columns post</b> with 10mm thick base plates , 12mm dia 150mm long SS grade 316 rag bolts as per drawing. Rate to include for applying <b>one coat of etch primer, one coat of Zn/Ph primer &amp; 2 coats of Enamel paint</b> (Applying paint under the Engineer's supervision).	19.00	m		

## BILL OF QUANTITIES

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**INSTALLATION OF PLAY EQUIPMENT AT BEACH PARK - NATIONAL HOLIDAY RESORT, BENTOTA**

**C - CONSTRUCTION OF MOVEBLE SECURITY HUTS (02 Nrs)**

**BILL OF QUANTITIES**

ITEM No.	ITEM DESCRIPTION	QTY	UNIT	RATE	AMOUNT
				Rs. Cts.	Rs. Cts.
C.4.1.2	Supplying and fixing 7/0.67 (Cu/PVC) (2.5 mm2) Earth wire. All Complete as per Instruction (Cable -	10.00	m		
C.4.1.3	Supplying and fixing Ceramic pulley with "D" bracket for Electricity connection. all	2.00	No.		
C.4.1.4	Supplying and fixing Pipes P. V. C. 1" - PNT 7 rate to include socket & joints and also include excavating	80.00	m		
C.4.2	<b>Wiring of Socket outlet</b>				
C.4.2.1	Supply and fixing 13 Amp Socket outlet with necessary concealed pvc casing wiring [7/0.67 PVC Single wire ( 2.5 mm2 ) x2 , 7/0.67 Earth Wire ( 2.5 mm2 ) ] all complete as per instruction (Socket - ACL/Chint/Krypton/Orange) (Cable - ACL/Kelani/Orange/Sierra) (Conduit - krypton/Polycrome) (fittings - krypton/Polycrome/Orange)	4.00	No.		
C.4.2	Supply and fixing pendent type lamp (12 W LED bulb- efficacy 85 lumen/W or above with 2 years warranty) with gang switch complete with necessary PVC casing wiring (2x1sqmm) as per working order (Switch - ACL/Kevilton/Krypton/Orange/Chint) (Cable-ACL/Orange/Ruhunu/Sierra) (Fittings- Kevilton/krypton/Orange/Polycrome) (Bulb - Green electric ECO smart/Orange electric ECO LITE/ZENOI)	2.00	No.		
D.4.2	Supply and fixing 01 No. Angel/Batten Type lamp including (12W LED Bulb - efficacy:85 lumen/W or above with two years warranty ) with Approved quality Gang switch including necessary concealed conduit wiring as per working order. (Switch ACL/ Chint/ Krypton/ Orange) (Cable- ACL/Kelani/Orange/Sierra) (fittings krypton/Polycrome/Orange) (Conduit-krypton/Polycrome)	4.00	No.		
C.4	<b>TOTAL IN ELECTRICAL WORKS CARRIED TO SUB-SUMMARY (C )</b>				
C.5	<b><u>METAL WORK AND GLASS WORK</u></b> <i>(a) Sizes given in the description of items are nominal sizes. The contractor shall visit the site and take all necessary spot measurements to determine the actual sizes of openings before fabricating the units. Work shall extrusion to be of <b>ALUMEX or approved equivalent manufacturer</b> . (a ) Stainless steel hinges and approved quality door locks etc. shall be provided considering severe exposure condition. ( b ) All accessories shall be compatible with aluminum profiles ( c ) Both sides finished 4mm thick aluminum composite panels shall be used for door panels as shown in the drawing</i>		Note		
			Note		
			Note		
			Note		

**INSTALLATION OF PLAY EQUIPMENT AT BEACH PARK - NATIONAL HOLIDAY RESORT, BENTOTA**

**C - CONSTRUCTION OF MOVEBLE SECURITY HUTS (02 Nrs)**

**BILL OF QUANTITIES**

ITEM No.	ITEM DESCRIPTION	QTY	UNIT	RATE	AMOUNT
				Rs. Cts.	Rs. Cts.
C.5.1	( d ) Clear panels shall be 5mm thick (min) clear float glass.	1.80	Note		
	( e ) Aluminum extrusions for all aluminum framed doors & windows shall be of 60-80 microns powder coated to approved Colour.		Note		
	( f ) Refer drawing No. C1534-10/ARU/AR/DE-02 for further details.		Note		
	<b><u>CASEMENT WINDOW</u></b> Supplying, fabricating and fixing Aluminium powder coated top hung window with frame (1 Nr window sash and 1 Nr fix glass at the top). Overall size of the window frame is 1000x900mm including 400mm high fix glasses. (Size may be changed according to the site) Window frame consisting top, bottom and side bars (41x31mm), horizontal middle bar (46x41mm), and fixing with 38x38x2.5mm Al bracket using 1/8x3/8" Al rivets and 8x1 1/2" ST screws. Frame should be fixed to wall with 12 Nrs of No 6 rowl plugs and 8x2" ST screws. Frame top panel should be fixed with 5mm thick clear glass using 34x18mm clip bar and 455S rubber beading. Window sash consisting top, bottom and side bars (40x35mm) should be fixed using 8x1 1/2" ST screws, and 5mm thick clear glass. Rate should be included for supplying and fixing required 437K Rubber beading, 674U Rubber beading, 2 Nrs of 14" SS 304 bar hinges using 5/32x3/8" Al rivets, 1 Nr of heavy quality Al fasteners using 5/32x3/8" Al rivets, Screws, Pop rivets, Silicone etc.		m <sup>2</sup>		
C.5.2	<b><u>FIXED GLASSES</u></b> Supplying, fabricating and fixing Aluminium powder coated fix glass with frame as per drawings and specification. Overall size of the fixglass frame is 600x900mm. (Size may be changed according to the site) Fixglass frame consisting top, bottom and side bars (41x31mm), vertical middle bar (46x41) and fixing using 38x38x2.5mm Al angle bracket with 1/8x3/8" Al rivets and 8x1 1/2" ST screws. Frame should be fixed to wall with 10 Nrs of No 6 rowl plugs and 8x2" ST screws. 5mm thick clear glass should be fixed to frame with clip bar (34x18mm) using. Rate should be included for supplying and fixing required 455S Rubber beading, Screws, Pop rivets, Silicone etc.	1.10	m <sup>2</sup>		
C.5.3	<b><u>COVERING WITH CLADDING BOARD</u></b> Supplying and fixing 4mm thick aluminum Double side composite board for covering with 1" x 1" Al angle and M bar (Pt 7604) Screws, Pop rivert, silicone.	20.00	m <sup>2</sup>		
C.5.4	Supplying and fixing 4mm thick aluminum 4mm thick aluminum Double side composite board for sun shade with 1" x 1"AL angle and M bar (Pt 7604), Screws, Pop rivert, silicone.	13.20	m <sup>2</sup>		

**INSTALLATION OF PLAY EQUIPMENT AT BEACH PARK - NATIONAL HOLIDAY RESORT, BENTOTA**

**C - CONSTRUCTION OF MOVEBLE SECURITY HUTS (02 Nrs)**

**BILL OF QUANTITIES**

ITEM No.	ITEM DESCRIPTION	QTY	UNIT	RATE	AMOUNT
				Rs. Cts.	Rs. Cts.
C.5.5	<p><b><u>AL DOOR</u></b></p> <p>Supplying, fabricating and fixing Aluminium powder coated paneled door (Top panel - Glass, Bottom panel – Al/PVC Composite board) with frame (1 Nr door sash) as per the drawings and specifiacion. Overall size of the door frame is 750x1800mm. (Size may be changed according to the site) Door frame consisting top and side bars (76x32mm) with 18x11mm door stopper bar using 5/32x3/8" Al rivets, and fixing with 50x18x2mm Al bracket using 1/8x3/8" Al rivets and 8x1 1/2" ST screws. Frame should be fixed to wall with 10 Nrs of No 6 rowl plugs and 8x3" ST screws. Door sash consisting top bar (80x42mm), side bars (66x45mm hinges side, 70x45mm lock side), middle bar (100x42mm) and bottom bar (120x42mm). 16x15mm clip bar should be used for required bars. Sash frame should be fixed with 38x38x2.5mm Al bracket using 1/8x3/8" Al rivets, 8mm dia. treaded bar with nuts for top and bottom bars. 4mm thick Al/PVC double side composite board for bottom panel and 5mm thick clear glass for top panel should be fixed. Rate should be included for supplying and fixing required Mohair beading, 3303, 3303A and 455S Rubber beadings, 4 Nrs of 100x75mm Al hinges using 5/32x3/8" Al rivets, Al powder coated door handle (102x40mm) pair with cap nuts, Door lock (CL or equivalent approved by the Engineer), Screws, Pop rivets, Silicone etc.</p>	2.70	m <sup>2</sup>		
C.5	<b>TOTAL IN METAL WORK &amp; GLASS WORK CARRIED TO SUB-SUMMARY (C )</b>				
C.6	<b>MISCELLANEOUS WORKS</b>				
C.6.1	Supply and fixing 10"x1" teak timber plank prepared by using multi purpose wood working machine, fixed complete with necessary new 2" Brass screws applying one coat of wood presavative, one coat of aluminium primer & two coats of enamel paint as floor deck.	3.60	m <sup>2</sup>		
C.6.2	Allow provision for any other related work to above work	1.00	Pro. Sum	25,000.00	25,000.00
C.6	<b>TOTAL IN MISCELLANEOUS WORKS CARRIED TO SUB-SUMMARY (C )</b>				



**REPAIR AND REINSTALLATION OF PLAY EQUIPMENT AT "SAYURU IMA" PICNIC AREA**

**D - CONSTRUCTION OF WAITING HUT FOR WHEEL PARK**

**SUB - SUMMARY (D)**

ITEM	DESCRIPTION	AMOUNT	
		Rs.	Cts.
D.1	EXCAVATION & EARTH WORK		
D.2	CONCRETE WORK		
D.3	MASONRY WORK		
D.4	ROOF AND ROOF PLUMBING WORK		
D.5	FLOOR/ WALL FINISHES		
D.6	PAINTING & DECORATOR		
D.7	CARPENTRY WORK		
D.8	ELECTRICAL WORKS		
D.9	EXTERNAL WORKS		
D.10	MISCELLANEOUS WORK		100,000.00
	<b>SUB TOTAL CARRIED TO GRAND SUMMARY</b>		<b>100,000.00</b>

**INSTALLATION OF PLAY EQUIPMENT AT BEACH PARK - NATIONAL HOLIDAY RESORT, BENTOTA**

**D - CONSTRUCTION OF WAITING HUT FOR WHEEL PARK**

**BILL OF QUANTITIES**

ITEM NO.	ITEM DESCRIPTION	QTY.	UNIT	Rate		Amount	
				Rs.	Cts.	Rs.	Cts.
D.1	<i>All Tenders' are advised to visit the Site &amp; make careful study of existing condition of the location, Site extent, transporting and storage of materials &amp; extent of Works to be done under this Contract and price the BOQ accordingly.</i>		Note				
	<i>Tenderers are requested to refer Conditions of Contract, Specifications, Drawings ( No. C1534-10/ARU/AR/DE-01 ), General Notes, Pricing Preambles, and all other relevant documents prior to pricing of the following items.</i>		Note				
	<i>Contractor should perform the work without disturbing to functions in Children Park &amp; surrounding area</i>		Note				
	<b><u>EXCAVATION &amp; EARTH WORK</u></b>						
	<b>Rate is included for:</b>						
	<i>Back filling with selected excavated material &amp; consolidating. Surface treatment; compaction before filling / foundation.</i>		Note				
	<i>Disposal of surplus soil as directed &amp; keeping all excavations free from water unless other wise measured separately.</i>		Note				
	<i>Any additional excavation for working space.</i>		Note				
	<i>Earth work supports if necessary</i>		Note				
	<b>Site Preparation</b>						
D.1.1	Clearing site and removal of top soil in building area up to thickness of 150mm on existing ground level and removal of all debris away from the site.	30.00	m <sup>2</sup>				
D.1.2	Carefully manual excavation for footing, column ,wall & cable trenches to depth not exceeding 1.5m in any material except rock requiring blasting.	12.00	m <sup>3</sup>				
D.1.3	<b><u>Earth filling</u></b>						
	Filling under floors with approved imported earth in layers not exceeding 150mm including spreading, watering ,ramming and compacting.	15.00	m <sup>3</sup>				
	<b>Anti-Termite Treatment</b>						
	<i>Work shall be carried out by a reputed Pest control Company approved by the Engineer.</i>		Note				
	<i>Anti-termite treatment with Bifenthrine 10Tc (Biflex) or approved equivalent as per manufacture's specification and should be complied with below given sub paragraph (a) to (f). Rate shall be included for <b>10 years warranty from Project Handing Over</b> address in the name of the Employer.</i>		Note				
	<i>Necessary recharging pipe network with 12mm dia flexible hose and points shall be provided for future refilling work. Pipe layout should be approved by Engineer before proceed the work.</i>		Note				
	<i>Plinth Area shall be measured of the building.</i>		Note				
	<i>(a) Dilution ratio of chemical with water to be 1:200</i>		Note				
	<i>(b) Minimum coverage of chemical solution to be 5ltr/m<sup>2</sup></i>		Note				

**INSTALLATION OF PLAY EQUIPMENT AT BEACH PARK - NATIONAL HOLIDAY RESORT, BENTOTA**

**D - CONSTRUCTION OF WAITING HUT FOR WHEEL PARK**

**BILL OF QUANTITIES**

ITEM NO.	ITEM DESCRIPTION	QTY.	UNIT	Rate		Amount	
				Rs.	Cts.	Rs.	Cts.
D.1.4	(c) 18-20mm holes shall be drilled at 900mm interval along exterior and interior perimeter of the structure up to 300mm depth	8.00	Note				
	(d) Entire soil surface of the structure shall be treated		Note				
	(e) Recharge filling point should be covered and secure with appropriate method.		Note				
	(f) Warranty should submit for 10 years by both of reputed Pest control Company & Contractor (For Material & workmanship)		Note				
	Anti-termite treatment in building area		m <sup>2</sup>				
D.1	TOTAL IN EXCAVATION & EARTH WORK CARRIED TO SUB-SUMMARY (D)						
D.2	<b>CONCRETE WORK</b> Rate shall include for depositing, handling, curing, hoisting into position, vibrating etc. and making good after removal of formwork etc. Concrete shall be protected against harmful effects of weather, running water and drying out by one of the following methods appropriated to the particular situation. Reinforcement paid for separately unless otherwise specified in the item Rate shall be include for Supplying and Laying 600 gauge polythene before concreting Rate shall be include for Supply & fabrication Form work if necessary		Note				
D.2.1	<b>Grade C15(25) mass concrete in followings including transporting, placing, leveling and vibrating, curing</b> 50mm thick Grade C15 lean concrete under wall foundation.	3.00	m <sup>2</sup>				
D.2.2	<b>Grade C20(20) concrete in followings including placing, leveling and vibrating</b> Grade C20 concrete in floors , pavement etc..	1.00	m <sup>3</sup>				
D.2.3	<b>Grade C30(20) concrete in followings including placing, leveling and vibrating</b> Grade 30 concrete in column footing, column shaft, beams, Lintols	2.00	m <sup>3</sup>				
D.2.4	<b>FORM WORK</b> Formwork has been measured as the net contact surface measurement between concrete and formwork.		Note				
	Rate for form work to be included for all necessary boarding, supports, erecting, framing, cutting angles, cleaning, wetting and any surface treatment before and after placing of concrete.		Note				
	Easing, striking, removing and cleaning and preparing for re-use and removal when no longer required.		Note				
	12mm thk plywood form work	16.00	m <sup>2</sup>				

**INSTALLATION OF PLAY EQUIPMENT AT BEACH PARK - NATIONAL HOLIDAY RESORT, BENTOTA**

**D - CONSTRUCTION OF WAITING HUT FOR WHEEL PARK**

**BILL OF QUANTITIES**

ITEM NO.	ITEM DESCRIPTION	QTY.	UNIT	Rate		Amount	
				Rs.	Cts.	Rs.	Cts.
	<b><u>REINFORCEMENT</u></b> <i>Rate to include for supplying, cleaning, cutting, bending, fabricating, placing and the provision of all necessary fixing and supports etc. including binding wires, tying wires, Distance blocks (designed laps include in quantities).</i>  <i>Both Tore Steel and Mild steel quantities shall be measured together.</i>		Note				
D.2.5	In column footing, column shaft, beams, Lintols	280.00	kg				
D.2.6	<b><u>BUILT IN SEATS</u></b> 400mm wide Built in Seat with 100mm thick grade C30(20) concrete embedded to wall and finish with cut & polish cement finish rendering as per the specification and detail drawings up to satisfaction of the Engineer. Rate to include for formwork, reinforcement T10@150 c/c bothways, curing, finishing, etc for complete the work.	2.50	m				
D.2	<b>TOTAL IN CONCRETE WORK CARRIED TO SUB-SUMMARY (D)</b>						
	<b><u>MASONRY WORK</u></b> <i>Rate is included for lifting, handling, weighting all rough and fair cutting, plumbing angles, normal straight cutting, forming rebated reveals and raking out joints for plastering.</i> <b><u>Random Rubble Masonry</u></b> <b><u>Up to DPC Level</u></b> 150x225mm random rubble masonry in cement and sand (1:5 ) mortar in foundations.		Note				
D.3.1	150x225mm random rubble masonry in cement and sand (1:5 ) mortar in foundations.	2.00	m <sup>3</sup>				
D.3.2	<b><u>Block Work</u></b> 100mm thick solid block work in 1:5 Cement sand mortar in for walls.	24.00	m <sup>2</sup>				
D.3	<b>TOTAL IN MASONRY WORK CARRIED TO SUB-SUMMARY (D)</b>						
	<b><u>ROOF AND ROOF PLUMBING WORK</u></b> <i>Rate shall be included for supply &amp; install complete on site with all accessories, fixings, ridging &amp; flashing for water tightness, all complete as per detail drawings.</i> <i>Rate shall be included for screws/nuts &amp; j-bolts etc. suitable for fixing sheets where applicable.</i> <i>All nails, screws, nuts and bolts must be hot dipped galvanized or SS316</i> <b><u>Roof Covering</u></b> Roof covering with approved clay flat tiles (DSI or equivalent) with cement, lime, sand mortar binding where necessary		Note				
D.4.1	Roof covering with approved clay flat tiles (DSI or equivalent) with cement, lime, sand mortar binding where necessary	8.35	m <sup>2</sup>				

**INSTALLATION OF PLAY EQUIPMENT AT BEACH PARK - NATIONAL HOLIDAY RESORT, BENTOTA**

**D - CONSTRUCTION OF WAITING HUT FOR WHEEL PARK**

**BILL OF QUANTITIES**

ITEM NO.	ITEM DESCRIPTION	QTY.	UNIT	Rate		Amount	
				Rs.	Cts.	Rs.	Cts.
	<b><u>Timber Roof Framework</u></b> <i>Supplying &amp; fixing of approved type well treated thulang/Redbalw or equivalent timber in followings. Rate shall include for all necessary nuts &amp; bolts etc.</i>  <i>6 mm Tolerance shall be allowed (except reapers and valance board) after finished unless otherwise specified.</i>  <b>All nails, screws, nuts and bolts must be brass or Stainless steel 316</b> <b>Rate is included for:</b> <i>All timber Surfaces to be well planed and applied two coats of water base stain sealer and two coats of water base top coats approved by Engineer.</i>		Note				
			Note				
			Note				
D.4.2	75x100 mm timber section (wall plates)	7.00	m				
D.4.3	50x100 mm timber section (rafters)	30.00	m				
D.4.4	25x50 mm timber section (reapers)	42.00	m				
	<b><u>Valance board / Barge board</u></b>						
D.4.5	Timber Valance/Barge board, 25x250mm kempus or equivalent , fixing with brass screws including wood preservative, primer & finishing with black mat enamel paint. Rate shall include for fixing arrangement of valance board the roof frame work.	10.00	m				
D.4.6	Supplying & fixing AZ 200 0.47mm thick Zn/Al colour standard flashing (girth 610mm) , bent to shape one end tuck in to wall and other end laid along the roof. Rate shall include fixed with necessary accessories as per the instructions.Using 16mm self drilling fistenes at 380 mm C/c & work complete to order.	4.00	m				
<b>D.4</b>	<b>TOTAL IN ROOF &amp; ROOF PLUMBING WORK CARRIED TO SUB-SUMMARY (D)</b>						
<b>D.5</b>	<b><u>FLOOR/ WALL FINISHES</u></b> <i>Rate shall be included tile laying using tile adhesive recommended by the Tile manufacturer.</i>  <i>Reveal plaster &amp; painting should be included to the rates, not measured seperately.</i>		Note				
			Note				
D.5.1	<b><u>FLOOR FINISHES</u></b> Supplying and fixing <b>600mm x 300mm</b> semi glazed porcelain floor tiles to an approved manufacture, colour and design laid on and including 20 mm thick cement and sand 1:3 bedding and pointing with tile grout to match the colour of tiles.	3.00	m <sup>2</sup>				
	<b><u>WALL FINISHES</u></b> Rates for plastering shall include for corner beads at vertical and horizontal edges to form straight and neat edges						
D.5.2	<b><u>Up to DPC level</u></b> Plinth plastering with 20mm thick 1:3 cement sand plaster finished smooth with natural colour cement floating.	5.00	m <sup>2</sup>				

**INSTALLATION OF PLAY EQUIPMENT AT BEACH PARK - NATIONAL HOLIDAY RESORT, BENTOTA**

**D - CONSTRUCTION OF WAITING HUT FOR WHEEL PARK**

**BILL OF QUANTITIES**

ITEM NO.	ITEM DESCRIPTION	QTY.	UNIT	Rate		Amount	
				Rs.	Cts.	Rs.	Cts.
D.5.3	<b><u>External</u></b> 16mm thick cement & sand (1:5) plaster finished semi rough with wood float on external faces, on brick / concrete surfaces.	23.00	m <sup>2</sup>				
D.5.4	<b><u>Internal</u></b> 16mm thick cement & sand (1:5) plaster finished semi rough with wood float on internal faces on brick / concrete surfaces.	23.00	m <sup>2</sup>				
<b>D.5</b>	<b>TOTAL IN FLOOR/WALL FINISHES CARRIED TO SUB-SUMMARY (D)</b>						
<b>D.6</b>	<b><u>PAINTING &amp; DECORATOR</u></b> All emulsion / weather shield paint shall be approved by Engineer		Note				
D.6.1	<b><u>Internal / External Faces</u></b> Prepare & apply one coat of primer and 02 coats of weather shield paint of approved colour and quality to internal / external walls, columns, sides of beams , reveals and jambs	46.00	m <sup>2</sup>				
<b>D.6</b>	<b>TOTAL IN PAINTING &amp; DECORATOR CARRIED TO SUB-SUMMARY (D)</b>						
<b>D.7</b>	<b><u>CARPENTRY WORK</u></b> <i>The Specified timber for windows as follow or otherwise as specified as per Engineers instruction. All timber members to be well seasoned &amp; treated with wood preservative.</i>  <i>window Frame- All the timber frame should be Thualang or equivalent approved by engineer, size 75x100 mm or as specified in the drawing</i> <i>Timber window sash should be Teak thickness 32mm after finish or as specified in the drawing.</i> <i>All glass should be 5mm thickness clear glass or otherwise as specified in the drawing</i> <i>The Specified timber for windows as follow or otherwise as specified as per Engineers instruction.</i> <i>All timber window Surfaces to be well planed and applied two coats of water base stain sealer and two coats of water base top coats approved by Engineer.</i> <i>All ironmongery to be heavy duty high quality brass or SS 316 fittings with minimum 5 years warranty</i>		Note				
D.7.1	<b>Type- FG</b> Approximate size 600x1200mm size window as per detail drawing. Rate shall be included necessary heavy duty brass / SS 316 accessories.	1.50	m <sup>2</sup>				
<b>D.7</b>	<b>TOTAL IN CARPENTRY WORK CARRIED TO SUB-SUMMARY (D)</b>						

**INSTALLATION OF PLAY EQUIPMENT AT BEACH PARK - NATIONAL HOLIDAY RESORT, BENTOTA**

**D - CONSTRUCTION OF WAITING HUT FOR WHEEL PARK**

**BILL OF QUANTITIES**

ITEM NO.	ITEM DESCRIPTION	QTY.	UNIT	Rate		Amount	
				Rs.	Cts.	Rs.	Cts.
<b>D.8</b>	<b><u>ELECTRICAL WORKS</u></b>  <i>Rates in Bill of Quantities shall include all necessary materials (Cables, conduits, PVC sunk box, bulbs, switches etc.) and labour required to complete the electrical installation to good working order.</i>  <i>Cables, enclosures, connectors, nuts terminals, Fittings and all Accessories should be able to withstand the salty condition at the premises.</i>  <i>All types of fittings, materials, painting and finishes shall be approved by the Engineer prior to installation.</i>  <i>The whole installation shall be carried out according to IEE wiring regulations Latest edition.</i>  <b>Wiring of Light Points</b> <i>Wiring includes supply of required cables and accessories, flush switch and all other required materials.</i> <i>Make of the flush switch shall be Clipsal, Orange or equivalent approved by Engineer.</i>		Note				
			Note				
			Note				
			Note				
			Note				
			Note				
D.8.1	Supplying and fixing consumer unit 04 way surface mounted M.C.B type (incl.32 Amp. D.P MCB,40 Amp/30 mA-D.P RCCB, 4 nrs M.C.B (6 Amp.-16 Amp.)500 encloser box& bus bar fixing Philips screws (MCB - Make -Orange electric 10kA/ Schneider/Chint EB/NB 7) (RCCB Make - Orange electric 10kA/Schneider/Chint NL1 ) (Enclosure - Polycrome) Original Makes with company warranty Certificate. all complete as per instruction	1.00	nr				
D.8.2	<b>Power Cables</b>						
D.8.2.1	Supplying and fixing 7/0.85 (Cu/PVC/PVC) (Twin) Main wire (4 mm2) (Cable - ACL/Kelani/Orange/Sierra) - Cable SLS 73	10.00	m				
D.8.2.2	Supplying and fixing 7/0.67 (Cu/PVC) (2.5 mm2) Earth wire. All Complete as per Instruction (Cable - ACL/Kelani/Orange/Sierra)	5.00	m				
D.8.2.3	Supplying and fixing Ceramic pulley with "D" bracket for Electricity connection. all complete as per instruction	1.00	No.				
D.8.2.4	Supplying and fixing Pipes P. V. C. 1" - PNT 7 rate to include socket & joints and also include excavating backfilling or breaking wall or floor upto required depth	10.00	m				
D.8.3	<b>Wiring of Light Points</b>						
D.8.3.1	Supply and fixing pendent type lamp (12 W LED bulb- efficacy 85 lumen/W or above with 2 years warranty) with gang switch complete with necessary PVC casing wiring (2x1sqmm) as per working order (Switch - ACL/ Kevilton/ Krypton/ Orange/Chint) (Cable ACL/ Orange/ Ruhunu /Sierra) (fittings- Kevilton/ krypton/ Orange/ Polycrome) ( Bulb - Green electric ECO smart/Orange electric ECO LITE/ZENOI)	1.00	No.				

**INSTALLATION OF PLAY EQUIPMENT AT BEACH PARK - NATIONAL HOLIDAY RESORT, BENTOTA**

**D - CONSTRUCTION OF WAITING HUT FOR WHEEL PARK**

**BILL OF QUANTITIES**

ITEM NO.	ITEM DESCRIPTION	QTY.	UNIT	Rate		Amount	
				Rs.	Cts.	Rs.	Cts.
D.8.3.2	Supply and fixing 01 No. Angel/Batten Type lamp including (12W LED Bulb - efficacy:85 lumen/W or above with two years warranty ) with Approved quality Gang switch including necessary concealed conduit wiring as per working order. (Switch ACL/ Chint/ Krypton/ Orange) (Cable- ACL/Kelani/Orange/Sierra) (fittings krypton/Polycrome/Orange)	2.00	No.				
D.8.3.3	Supply and Fixing concealed 1Nr point wiring (PVC) including 1/1.13 1mm2 1Cx2 wire 20A 2 pole switch with Neon indicator type/ sunk box and fixing materials. All complete as per instruction. (Switch -ACL/Chint/ Krypton/Orange) (Cable -ACL/ Kelani/ Orange /Sierra) (fittings krypton/Polycrome/Orange) (Conduit- krypton/Polycrome)	3.00	No.				
D.8.4	<b>Earth rod</b>						
D.8.4.1	Supplying and fixing Copper Bonded Earth Rod (12.7mm x 1500mm) including earth clamp type A . All Complete as per Instruction.	1.00	No.				
<b>D.8</b>	<b>TOTAL IN ELECRICAL WORKS CARRIED TO SUB-SUMMARY (D)</b>						
<b>D.9</b>	<b>EXTERNAL WORKS</b>						
	<b>PAVING AREA/ ACCESS PATHS</b>						
D.9.1	<b>Filling the area with Approved Selected imported soil</b> filling laid layers not exceeding 225mm thick (before compaction) & compaction sub base to 98% density.	3.00	m3				
D.9.2	Supply, placing & compaction of ABC layer 98% density in specified areas as per the details drawings	1.00	m3				
	<b>PAVINGS</b> <i>Rate shall be included for placing of 35 mm-50 mm quarry dust / fine sand base course including site preparation such as trimming leveling compact with plate compactor .</i>		Note				
D.9.3	Supply and laying of Type Eliana, natural paving blocks size 100mmx100mmx60mm (Minimum crushing strength 15N/mm2) as per the instruction & detail drawing	2.50	m2				
	<b>KERB LAYING</b>						
D.9.4	Supply & Laying path edge curb in specified area. (600 x150x50 mm) including necessary concrete to place the Curb as per the detail drawings	4.00	m				
<b>D.9</b>	<b>TOTAL IN EXTERNAL WORKS CARRIED TO SUB-SUMMARY (D)</b>						
<b>D.10</b>	<b><u>MISCELLANEOUS WORK</u></b>						
D.10.1	Allow for any other unforeseen work	Pv Sum			100,000.00	100,000.00	
<b>D.10</b>	<b>TOTAL IN MISCELLANEOUS WORKS CARRIED TO SUB-SUMMARY (D)</b>					<b>100,000.00</b>	