

DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA

MINISTRY OF FINANCE

**RENOVATION OF RECORD ROOM WITH MOBILE
RACK INSTALLATION WORK
DEVELOPMENT LOTTERIES BOARD
CONTRACT NO. DLB/PRO/2025/39
BIDDING DOCUMENT**

Volume I

Section 01 – Instructions to Bidders

Section 02 – Standard Forms (Contract)

Section 03 – Conditions of Contract

Volume II – (For the use as “Original” document)

Invitation for Bid

Section 04 – Form of Bid and Qualification Information

Section 05 – Bidding Data and Contract Data

Section 06 – Specifications

Section 07 – Bill of Quantities

Section 08 – Drawings

Section 09 – Standard Forms (Bid)

Volume III – (For the use as “Copy” of document)

Invitation for Bid

Section 04 – Form of Bid and Qualification Information

Section 07 – Bill of Quantities

ENGINEER

CENTRAL ENGINEERING CONSULTANCY BUREAU
NO.415,
BAUDDHALOKA MAWATHA,
COLOMBO 07

EMPLOYER

DEVELOPMENT LOTTERIES BOARD,
MINISTRY OF FINANCE,
NO.356, Dr.COLVIN R. DE SILVA MAWATHA .
UNION PLACE,
COLOMBO 02

NOVEMBER 2025

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Section - 01

INSTRUCTIONS TO BIDDERS

DRAFT

INSTRUCTIONS TO BIDDERS

Instructions to Bidders applicable to this contract shall be those given in Section-I of the Standard Bidding Document, Procurement of Works, and ICTAD Publication No. **ICTAD/SBD/01, Second Edition, January 2007** with **addenda issued up to February 2011**, published by the Institute for Construction Training and Development (ICTAD), "Savsiripaya", 123, Wijerama Mawatha, Colombo 7.

This publication will not be issued with the Bidding Document and the Bidder is advised to purchase it from ICTAD.

Instructions to Bidders shall be read in conjunction with the Bidding Data provided under Section-5 of Volume II. Matters governing the performance of the Contractor, payments under the Contract, or matters affecting the risk, rights, and obligations of the parties under the Contract are included under Section - 3 Conditions of Contract (Volume I) and Contract data under Section 5 (Volume II).

Instructions to Bidders will not be a part of the Contract and will cease to have effect once the Contract is signed.

Section - 02

STANDARD FORMS (CONTRACT)

- *Letter of Acceptance*
- *Agreement*
- *Performance Security*
- *Advance Payment Security*
- *Retention Money Guarantee*
- *Non – collusion Affidavit*

Notes on Standard Forms:

- *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 LETTER OF ACCEPTANCE

..... [date]

To:

.....

[Name and address of the Contractor]

This is to notify you that your Bid dated[Insert date] for the **“Renovation of Record Room With Mobile Rack Installation Work, Development Lotteries Board” (Contract No: DLB/PRO/2025/39)** 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 appointing authority.

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

The start date shall be: *(fill the date as per Conditions of Contract)*

The amount Performance Security is: *(fill as per Conditions of Contract)*

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

Authorized Signature:

Name & title of Signatory:

Name of Agency:

FORM OF AGREEMENT

This AGREEMENT made the [day] of[month] 20....[Year], between the **Chairman, Development Lotteries Board, No.356, Dr.Colvin R. De Silva Mawatha, Union Place, Colombo 02** (hereinafter called “**the Employer**”), of the one part and [Name and address of the contractor] (hereinafter called “**the Contractor**”), of the other part:

WHEREAS the Employer desires that the Contractor executes the “**Renovation of record Room with Mobile Rack Installation Work, Development Lotteries Board**” (Contract No: **DLB/PRO/2025/39**), (Hereinafter called “**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.

NOW THIS AGREEMENT WITNESSETH as follows:

1. In this Agreement, Words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to, and they shall be deemed to form and be read and construed as part of this Agreement.
2. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, 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 execution and completion the works and remedying any defects wherein, 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 thereto have caused this Agreement to be executed the day and year aforementioned in accordance with laws of Sri Lanka.

.....
Authorized signature of Contractor
COMMON SEAL

.....
Authorized signature of Employer
COMMON SEAL

In the presence of:
Witnesses:

1. Name and NIC No.....

Signature.....

Address.....

2. Name and NIC No.....

Signature.....

Address.....

FORM OF PERFORMANCE SECURITY
(Unconditional)

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

Beneficiary: Chairman,
 Development Lotteries Board,
 No.356, Dr. Colvin R. De Silava Mawatha,
 Union Place,
 Colombo 02

Date:

PERFORMANCE GUARANTEE No:.....

We have been informed that *[Name of Contractor]*
 (Hereinafter called to “**the Contractor**”) has entered into Contract No. **DLB/PRO/2025/39** dated
 with you, for the “**Renovation of record Room with Mobile
 Rack Installation Work, Development Lotteries Board**” (hereinafter called to “**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 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(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 theday of, 20.....*[date, 28 days beyond the
 Intended Completion Date]* and any demand for payment under it must be received by us at this office on or
 before that date.

.....
[Signature (s)]

FORM OF ADVANCE PAYMENT SECURITY

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

Beneficiary: Chairman,
Development Lotteries Board,
No.356, Dr. Colvin R. De Silava Mawatha,
Union Place,
Colombo 02

Date:

ADVANCE PAYMENT GUARANTEE No. :

We have been informed that[name of contractor] (hereinafter called” the Contractor”) has entered into Contract No. **DLB/PRO/2025/39** datedwith you, for the execution of for the “**Renovation of record Room with Mobile Rack Installation Work, Development Lotteries Board**” (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)]

FORM OF RETENTION MONEY GUARANTEE

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

Beneficiary: Chairman,
Development Lotteries Board,
No.356, Dr. Colvin R. De Silava Mawatha,
Union Place,
Colombo 02

Date:

RETENTION MONEY GUARANTEE No. :

We have been informed that[name of contractor] (hereinafter called” the Contractor”) has entered into Contract No. **DLB/PRO/2025/39** datedwith you, for the execution of **“Renovation of record Room with Mobile Rack Installation Work, Development Lotteries Board”** (hereinafter called “the Contract”).

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

At the request of the contractor, we[name of 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 under the Contract because the Contractor has not attended to the defects in accordance with the Contract.

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

[Signature (s)]

Annexure III of Chapter 01
Non-collusion Affidavit (Template)
(Procurement Guideline Reference - 1.5)

The undersigned bidder or agent, hereby solemnly, sincerely, and truly declares and affirms/makes an oath and states as follows;

- a) That he/she has not, nor has any other member, representative, or agent of the firm, company, corporation, or partnership representing him/her, entered into any combination, collusion, or similar agreement with any person in connection with the price to be bid;
- b) That he/she or anyone representing him/her has not taken any step whatsoever to prevent any person from bidding, nor to induce anyone to refrain from bidding; and
- c) That this bid is made without reference to any other bid and without any agreement, understanding, or combination with any other person in reference to this bid.

He/she further states that no person, firm, or corporation has received or will receive, directly or indirectly, any rebate, fee, gift, commission, or thing of value in connection with the submission of this bid.

The bidder accepts full responsibility for ensuring the absence of collusion and hereby pledges to abide by fair and ethical competition practices throughout the procurement process and fully comply with the applicable Procurement Guidelines.

I hereby affirm, under the penalties for perjury, that all statements made by me in this affidavit are true and correct.

The foregoing Affidavit having been duly read over and explained by me to the Affirmant above named and he/she having understood the contents therein and admitted to be correct, affirmed and set his/her signature hereto before me) on thisday of at

BEFORE ME,

JUSTICE OF THE PEACE/COMMISSIONER OF OATHS

Section - 03

CONDITIONS OF CONTRACT

Conditions of Contract shall be read in conjunction with the
Contract data in Section 5 in Volume II, which shall take precedence over the Conditions of Contract

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, ICTAD Publication No. **ICTAD/SBD/01, Second Edition, January 2007 with addenda issued up to February 2011**, published by the Institute for Construction Training and Development (ICTAD) "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 ICTAD.

This Conditions of Contract shall be read in conjunction with Contract Data in Section 05 in Volume II which shall take precedence over the Conditions of Contract.

DRAFT

DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA

MINISTRY OF FINANCE

RENOVATION OF RECORD ROOM WITH MOBILE RACK

INSTALLATION WORK

DEVELOPMENT LOTTERIES BOARD

CONTRACT NO. **DLB/PRO/2025/39**

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MINISTRY OF FINANCE,
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INVITATION FOR BIDS

INVITATION FOR BIDS (IFB)
MINISTRY OF FINANCE
RENOVATION OF RECORD ROOM WITH MOBILE RACK INSTALLATION WORK,
DEVELOPMENT LOTTERIES BOARD
CONTRACT NO. DLB/PRO/2025/39

The Chairman, **Development** Lotteries Board, No.356, Dr. Colvin R. De Silva Mawatha, Union Place, Colombo 02 on behalf of the Ministry of Finance invites sealed bids from eligible and qualified bidders registered in the Construction Industry Development Authority (CIDA) for the “**Renovation of Record Room with Mobile Rack Installation Work, Development Lotteries Board**”

1. ” as described below and estimated to basic cost of Rs **18.8** million (excluding Contingencies and Taxes).

The Site is Located at the premises **Development** Lotteries Board, No.356, Dr. Colvin R. De Silva Mawatha, Union Place, Colombo 02 & Demolition work , construction Work, Metal work, painting work mainly including mechanical work and Electrical work other works as described in the BOQ.

The contract period will be **63 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 and shall meet the following requirements.
- Contractors having valid registration in Grade **SP4 or above** in the field of specialized construction under Construction Industry Development Authority.
4. Qualification requirement to qualify for contract award include
- (a) Average annual volume of construction work Performed in last five years shall be at least **Rs. 28 Million**.
- (b) The minimum amount of liquid assets and/or credit facilities, after setting apart for the other contractual commitments and exclusive of any advance payments which may be made under the Contract, shall be not less than **Rs. 18.8 Million**.
- (c) Successful completion of one building construction project of similar nature and complexity within allocated time period as the main contractor during last five years.
- (d) Contractor should employ following staff:

| Position | Academic Qualification | Experience | Nr |
|--|-----------------------------|------------|----|
| Project Manager (Civil) (Site – Part time) | Charter qualification | 7 yrs | 1 |
| Mechanical Engineer (Site – Part time) | BSc or equivalent | 3 yrs | 1 |
| Electrical Engineer (Site – Part time) | BSc or equivalent | 3 yrs | 1 |
| Technical Officer (Mechanical) (Site – Full time) | NDT/HNDE/NDES or equivalent | 3 yrs | 1 |

Process a valid certificate issued by the Registers of public Contract in accordance with section 8 of public Contract Act No.03 of 1987.

5. Interested bidders may obtain further information from **Chairman, Development Lotteries Board, No.356, Dr. R. De Silva Mawatha, and Union Place, Colombo 02.**
Tel. No. 011-4824824 and can inspect the Bidding Document at the address given below. From **09.00hrs to 15.00hrs.**
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 **Chairman, Development Lotteries Board, No.356, Dr. R. De Silva Mawatha, and Union Place, Colombo 02.**

From **27/11/2025** until **18/12/2025** from **09.00 hrs to 15.00 hrs.** Upon payment of a non-refundable fee of **Rs.5,000.00** to the **Chairman, Development Lotteries Board, No.356, Dr. R. De Silva Mawatha, and Union Place, Colombo 02.** The method of payment will be cash only.
7. Sealed Bids shall be delivered to the address below, on or before **14.30 hrs** on **19/12/2025** Late bids will be rejected. Bids will be opened soon after closing the bids in the presence of the Bidders or Bidder's representatives who choose to attend.
8. Bid shall be valid up to **77 Days** from closing of Bid.
9. All bids shall be accompanied by a "Bid security" of **Rupees Three Hundred and Thirty Five Thousand Only (Rs. 335, 000.00).** Bid Security shall be valid up to **105** Days from Bid closing of the Bid. Bid security form is included in the section II in the Bidding document issued in favour of **Chairman, Development Lotteries Board, No.356, Dr. R. De Silva Mawatha, and Union Place, Colombo 02.**
10. Pre –Bid meeting will be held at 14.30hrs (Time) on 10/12.2025 (Date) at premises of **Development Lotteries Board, No.356, Dr. R. De Silva Mawatha, and Union Place, Colombo 02.**

The address referred to above is,
**Chairman,
Development Lotteries Board,
No.356, Dr. R. De Silva Mawatha,
Union Place,
Colombo 02.**

**Tel. No. 011-4824824
Fax No.: 011 2333545**

Section - 4

**FORM OF BID AND QUALIFICATION
INFORMATION**

FORM OF BID

RENOVATION OF RECORD ROOM WITH MOBILE RACK INSTALLATION WORK, DEVELOPMENT LOTTERIES BOARD

To: **Chairman,
Development Lotteries Board,
No.356, Dr. R. Colvin De Silva.
Union Place, Colombo 02**

Gentleman,

1. Having examined the Standard Bidding Document - Procurement of Works (ICTAD/SBD/01-Second edition, January 2007 and Addendum 01 issued in October 2009 & Addendum 02 issued in February 2011), Schedule for Conditions of Contract, Specifications, Drawings and Bill of Quantities and Addenda for the execution of the above-named Works, we the undersigned, offer to execute and complete such Works and remedy any defect therein in conformity with the aforesaid Conditions of Contract, Specifications, Drawings, Bill of Quantities and Addenda for the sum of Sri Lankan Rupees
(LKR Rs.) or such other sums as may be ascertained in accordance with the said Conditions.
2. We acknowledge that the Contract Data forms part of our Bid.
3. We undertake, if our Bid is accepted, to commence the Works as stipulated in the Contract Data, and to complete the whole of the Works comprised in the Contract within the time stated in the Contract Data.
4. We agree to abide by this Bid for the period of **77** Days from the date fixed for receiving or any extended period and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
5. Unless and until a formal Agreement is prepared and executed this Bid, together with your written acceptance thereof, shall constitute a binding contract between us.
6. We understand that you are not bound to accept the lowest of any Bid you may receive.

Dated this..... Day of 2025 in the capacity of..... Duly
authorized to sign bids for and on behalf of

.....
(IN BLOCK CAPITAL)

Signature :
Address :
.....
.....
Witness :
.....

QUALIFICATION INFORMATION*(To be completed and submitted by the Bidder with the Bid)*

| ICTAD Registration | | | | | | | | | | | | |
|---|--|--|----------|------------------------|-------------------------|-----------------------|---------------------|-------------------|---------------------|-------------------|--------------------------------|-----------------------------|
| | Main Contractor Details | | | | | | | | | | | |
| Registration number | <i>(Attach copies of relevant pages from the registration book)</i> | | | | | | | | | | | |
| Grade | SP4 or above | | | | | | | | | | | |
| Specialty | Specialized Construction | | | | | | | | | | | |
| Expiry Date | | | | | | | | | | | | |
| Blacklisted Contractors | | | | | | | | | | | | |
| Have you been declared as a defaulted contractor by NPA or any other agency? (Yes/No) | | | | | | | | | | | | |
| If yes provide details | | | | | | | | | | | | |
| VAT Registration Number | | | | | | | | | | | | |
| Legal status | <i>(Attach relevant status copies, as annex)</i> | | | | | | | | | | | |
| Value of Construction works Performed in last 5 years | <i>(Attach certified copies of certificate of completion, etc. and other documents such as profit-loss and income expenditure statement)</i> | | | | | | | | | | | |
| Year 2024 | | | | | | | | | | | | |
| Year 2023 | | | | | | | | | | | | |
| Year 2022 | | | | | | | | | | | | |
| Year 2021 | | | | | | | | | | | | |
| Year 2020 | | | | | | | | | | | | |
| Value of similar works completed in last 5 years (indicate only the three largest projects) | 1. Value Rs..... Year 2. Value Rs..... Year 3. Value Rs..... Year (Attach certified copies of Letter of award & certificate of completion) | | | | | | | | | | | |
| Credit Facility | | | | | | | | | | | | |
| Qualification and experience of key staff - Site & Head Office (Permanent, Contract Basis & Consultants) | Managerial / Technical: <table border="1"> <thead> <tr> <th>Position</th> <th>Academic Qualification</th> </tr> </thead> <tbody> <tr> <td>Project Manager (Civil)</td> <td>Charter qualification</td> </tr> <tr> <td>Mechanical Engineer</td> <td>BSc or Equivalent</td> </tr> <tr> <td>Electrical Engineer</td> <td>BSc or Equivalent</td> </tr> <tr> <td>Technical Officer (Mechanical)</td> <td>NDT/HNDE/NDES or Equivalent</td> </tr> </tbody> </table> (Attach certified copies of key staff attached to the project) | | Position | Academic Qualification | Project Manager (Civil) | Charter qualification | Mechanical Engineer | BSc or Equivalent | Electrical Engineer | BSc or Equivalent | Technical Officer (Mechanical) | NDT/HNDE/NDES or Equivalent |
| Position | Academic Qualification | | | | | | | | | | | |
| Project Manager (Civil) | Charter qualification | | | | | | | | | | | |
| Mechanical Engineer | BSc or Equivalent | | | | | | | | | | | |
| Electrical Engineer | BSc or Equivalent | | | | | | | | | | | |
| Technical Officer (Mechanical) | NDT/HNDE/NDES or Equivalent | | | | | | | | | | | |

Section - 5
BIDDING DATA AND CONTRACT DATA

G. BIDDING DATA**Instructions to Bidders**

The Employer is

Name : **Chairman,**

Address : **Development Lotteries Board,
No.356, Dr. Colvin R. De Silava Mawatha,
Union Place, Colombo 02.**

Clause Reference (1.1)

Under this contract, The Work to be carried out is comprises mainly consists of Mechanical Works and Electrical works further demolition works, Metal work, painting work other works as described in the BOQ For more information, Please refer the Bill of Quantities.

(1.2) Intended Completion Date is **63 Days** from the Start Date.

(1.3) The office for collection of bid form is
**Chairman,
Development Lotteries Board,
No.356, Dr. Colvin R. De Silva Mawatha,
Union Place, Colombo 02.**

The non-refundable Bid fee is **Rupees 5000.00**

The Bid forms will be issued until **18/12/2025, 15.00 hours**

(2.1) The source of funds is **Government of Sri Lanka**

(4.2) The registration required for main contractor:
Specialty - Specialised Construction
Grade - **SP4 or above**

(4.3) The Following information shall be provided in Section 4 for the bidder

- * CIDA Registration
 - Registration number:
 - Grade
 - Speciality
 - Expiry Date
- * VAT Registration number
- * Registration of Public Contracts Act No. 13 of 1987
- * Construction program on MS Project or Primavera P6 with Critical Path.
- * Legal status (Sole proprietor, partnership, company etc.)
- * Attach Authorization for signature and authentication for signatory
- * Total monetary value of construction work performed for each of the last five years; to be confirmed by submission of Audited Financial Reports.
- * Experience in works of a similar nature and size for each of last five years; bidder shall submit the following documents as supporting document in order to substantiate his experience.
 1. Letter of Acceptance
 2. Certify copy of the agreement
 3. Completion certificate of the consultant
- * Major items of construction equipment proposed to carryout the contract; (if specified equipment be needed)
- * Qualifications and experience of key site management and technical personnel proposed for the contract with documentary evidence.

- * Documentary proof to establish the availability of working capital requirement for the work in hand should be furnished. (Generally working capital for in hand is considered as 20% of value of work in hand).
- * Details of work in Hand of the Bidder duly certified in the form of an affidavit should be provided with separate statements showing contract value, percentage of work completed, value of the balance work to be done and target date of completion of each work listed shall be countersigned by the Engineer/Employer/Consultant.
- * Any other

(4.4)

Post qualification criteria:

The following minimum qualification criteria shall be met by the bidder to qualify for the award of contract.

- Average annual volume of construction work performed in the last five years shall be at least **Rs. 28M**.
- Experience in the construction of at least one contract of a nature and complexity equivalent to the Works over 05 years. **Attach as annex.**

The minimum amount of liquid assets and/or credit facilities net of other contractual commitments and exclusive of any advance payments which may be made under the contract shall not less than **Rs. 18.8M**. Credit facility should be addressed to the **Chairman, Development Lotteries Board, No.356, Dr. R. De Silva Mawatha, and Union Place, Colombo 02.** and should be exclusive of this particular project.

- Minimum persons with qualifications and experience

Managerial / Technical

1. Project Manager (Civil) - 01 person (Part time basis)
Charter Qualification 3 years' Experience
 2. Mechanical Engineer - 01 person (Part time basis)
BSc or equivalent with minimum 3 years' Experience
 3. Electrical Engineer - 01 person (Part time basis)
BSc or equivalent with minimum 3 years' Experience
 - Technical Officer(Mechanical Engineer) - 01 person (Full time basis)
NDT, NDES, HND or equivalent with minimum 3 years' Experience
- Proposed Sub-Contractors shall have minimum qualifications specified in Clause 7.1 of Contract Data

(8.1)

Content of Bidding Document

Content of the bidding document changed as follows to fulfill bidder's requirement in submission of Bid.

The Bidding document consists of three volumes (Volume 1, Volume 2 & Volume 3) and comprise the documents listed below

Volume I

- Section 1 – Instruction to Bidders
- Section 2 - Standard Forms (Contract)
- Section 3 - Condition of Contract

Volume II

Invitation for Bids

Section 4 - Form of Bid and Qualification Information

Section 5 - Bidding Data and Contract Data

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Section 7 - Bills of Quantities and Technical Schedules

Section 8 - Drawings

Section 9 - Standard Forms (Bid)

Volume III

Invitation for Bids

Section 4 - Form of Bid and Qualification Information

Section 7 - Bills of Quantities and Technical Schedules

(9.1) Employer's address for the purpose of clarification is;

Name : **Chairman,**

Address : **Development Lotteries Board,
No.356, Dr. Colvin R. De Silva Mawatha,
Union Place, Colombo 02**

Tel/Fax : **011-4824824 / 011-2333545**

E-mail : **info@dlb.lk**

(11.1) The language of the bidding document shall be English.

(12.1) The Bid submitted by the bidder shall comprise the following:

12.1(A) enclosed in the envelope marked as "ORIGINAL";

(a) Invitation for Bid

Section 04 – Form of Bid and Qualification Information

Section 05 – Bidding Data and Contract Data

Section 06 – Specifications

Section 07 – Bill of Quantities

Section 08 – Drawings

Section 09 – Standard Forms (Bid)

(b) Bid security

(h) Completed technical schedules along with Sub-Contractor's details for

1.0 Metal works

2.0 Mechanical works

3.0 Electrical Installations

AND

1.0 Manufacturer's technical Catalogues/ Product Catalogues clearly identified the equipment offered and manufacturer's illustrated and descriptive literature, drawings etc. of all major

mechanical installations components offered along with service record of Make and Type of equipment offered in Sri Lanka.

- (c)
- 1.0 Product Catalogues for electrical installation
 - 2.0 Addendum received with the acknowledgement if any
 - 3.0 Pre bid meeting minutes and clarifications done for submitted by the bidder as specified in the Bidding Data.

(12.1) (B) enclosed in the envelop marked as “COPY”

- (a) Invitation for Bid
 Section 04 – Form of Bid and Qualification Information
 Section 07 – Bill of Quantities

- (13.3) **Only VAT will be paid.**
 VAT component shall not be included in the rates. The amount written in the Form of Bid shall be without VAT. However, VAT component shall be shown separately at the end of the BOQ.
- (13.4) The Contract is subjected to price adjustment in accordance with Clause 47 of the Conditions of Contract.
- (15.1) The Bid shall be valid up to **77** Days from closing date of Bid.
- (16.1) Bid shall include a Bid Security using the form included in Section 9.
- (16.2) Bid Security shall be;
- For an amount **Rs.335,000.00.**
 - Valid until **105** Days from closing date of Bid.
- Securities and guarantees issued by an agency acceptable to employer using the forms for bid security (unconditional guarantee) included in section 09 standard forms in favor of **Chairman, Development Lotteries Board, No.356, Dr. R. De Silva Mawatha, and Union Place, Colombo 02** .The agencies acceptable to the Employer are a local Commercial Bank operated in Sri Lanka approved by the Central Bank of Sri Lanka.*
- Alternatively, the Bidder can pay cash to Shroff of the **Shroff of the Development Lotteries Board**. No interests will be paid on cash deposits.*
- (17.0) Pre Bid meeting will be held at **Chairman, Development Lotteries Board, No.356, Dr. R. De Silva Mawatha, and Union Place, Colombo 02**. at **14.30 hrs** on **10/12/2025**
- (19.2) a The Employer’s address for the purpose of Bid submission is:
**Chairman,
 Development Lotteries Board,
 No.356, Dr. R. De Silva Mawatha,
 Union Place,
 Colombo 02**
- (19.2) b Contract Name: **Renovation of Record Room With Mobile Rack Installation Work, Development Lotteries Board**
 Contract No. : **DLB/PRO/2025/39**

(20.1) The deadline for submission of Bids shall be **14.30 hrs** on **19/12/2025**

(29.6) If the bids/proposals have missing items, such items shall be priced as an average of quoted prices offered by other bidders for the same items or by using the prevailing market prices, as the case may be. Such adjusted total amount is for evaluation purposes only. Supplier is obliged to supply the missing items within his quoted price.

Generally, for works contracts, Instructions to Bidders may include clauses, which state that, if a bidder fails to quote for any items in the Bill of Quantities (BOQ), the bidder will not be paid by the PE for such items. However, if such bidder is selected, the bidder shall be obliged to provide such items within the total price quoted in the BOQ.

(31.1) After evaluation of Bids in accordance with the procedures described under Clauses 25,26,27,28,29 and 30, the Employer will inform to all the bidders in writing the selection of the successful bidder and the intention of contract award to such bidder. The unsuccessful bidders if they so wish, within one week of such notice may make a representation to the Secretary to the Line Ministry at the address given below. Such representation shall be self-contained to enable the Secretary to arrive at a conclusion and a cash deposit to the amount given below shall be made. The Employer may request the bidder who had made the representation to submit further evidence during the investigations of such representation. The cash deposit will be forfeited unless the Employer has changed the original contract award decision in favour of the bidder who has made such representation.

Address : **Chairman,
Development Lotteries Board,
No.356, Dr. R. De Silva Mawatha,
Union Place,
Colombo 02**

Cash Deposit : Rs. 25,000.00

(34.0) The amount of **Performance security is 5% of the Initial Contract Price.**

The form acceptable is sample format which is in volume I – Section 2, Standard Forms.

Securities and Guarantees issued by an agency acceptable to employer using the forms for Performance Security (Unconditional Guarantee) included in Volume I-Section 2, standard forms. Performance Security amount will be increased up to 20% maximum according to the unrealistic bid amount or rates. The agencies acceptable to the Employer are

- A local Commercial Bank operated in Sri Lanka approved by the Central Bank of Sri Lanka.

Alternatively, the Bidder can pay cash to Shroff of **Chairman, Development Lotteries Board, No.356, Dr. R. De Silva Mawatha, and Union Place, Colombo 02** No interest will be paid on cash deposits.

(35.1) The advance payment security is **20%** of the initial Contract price excluding provisional sum.

Securities and Guarantees issued by an agency acceptable to employer using the

forms for Advance Payment Security (Unconditional Guarantee) included in volume I – Section 2, Standard Forms. The agencies acceptable to the Employer are

- A local Commercial Bank operated in Sri Lanka approved by the Central Bank of Sri Lanka.

(36.0) CIDA is the authorized agent for appointing an adjudicator.

(39.2) Engineer may order variations up to a total cumulative value of not exceeding 7.5% of Initial Contract Price.

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CONTRACT DATA

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

(1.1) The Employer is

Name : **The Chairman,**

Address : **Development Lotteries Board,
No.356, Dr. R. De Silva Mawatha,
Union Place,
Colombo 02**

(1.1) The Engineer is

Name : **The General Manager**

Address : **Central Engineering Consultancy Bureau
: No.415, Bauddhaloka Mawatha,
: Colombo 07.**

Name of Engineer's Representative: **Additional General Manager
(Hospital Projects)**

(1.1) The Works mainly consists of

Mechanical work, Electrical work, Metal work, demolition and Painting work and other works as described in the BOQ.

(1.1) Site is located at **Development Lotteries Board.**

The Start Date shall be **fourteen (14) Days** from the Letter of Acceptance.

(8.1) Schedule of other contractors : None

(9.1) Schedule of Key Personnel : Minimum persons with qualifications and experience to be defined,
Managerial / Technical

- | | |
|----------------------------|---|
| 1. Project Manager (Civil) | - 01 person (Part time basis) Charter Equivalent |
| 2. Mechanical Engineer | - 01 person (Part time basis) BSc or Equivalent |
| 3. Electrical Engineer | - 01 person (Part time basis) BSc or Equivalent |

4. Technical Officer (Mechanical) - 01 person (Full time basis)
NDT, NDES, HND or Equivalent

(13.1) The minimum insurance cover shall be:

- (a)
 - The minimum cover for insurance of the Works and of Plant and Material is 110% of the Initial Contract price.
 - The maximum deductible for insurance of Works and of Plant and Material is **5% of initial Contract price.**
- (b)
 - The minimum cover for loss or damage to Equipment is “**Cost of equipment**”
 - The maximum deductible for insurance of Equipment is **5% of the minimum cover for equipment**
- (c) The minimum cover for personal injury or death:
 - For third party and employees of the Employer and other persons engaged by the Employer in the Works is **Rupees Five Hundred Thousand** per event. Number of events is unlimited.
- (d) The minimum cover for insurance of other property (other than the site):
 - Five Hundred Thousand

(13.2) The minimum cover for personnel injury or death,

- For the Contractor’s workmen is Rs. **500,000.00** per event. Number of events are unlimited.
- The contractor’s employees other than the workmen is Rs. **500,000.00** per event. The Number of events are unlimited.

(17.1) The Intended Completion Date for the whole of the Works shall be **63 Days from the Start Date.**

(21.1) The Site Possession Date shall be **Fourteen (14) Days** from Letter of Acceptance.

(27) The Contractor shall submit a realistic Construction Programme made out from MS Project software for the Works within **Seven Days** of delivery of the Letter of Acceptance. Critical path/paths must be clearly shown in the programme. Soft copy must be submitted to the Engineer at the time of submission of hard copy of construction programme.

The period between Programme update is **30 Days**. But Contractor shall submit a revised programme whenever the previous programme is inconsistent with actual progress.

The amount to be withheld for late submission of an updated Programme is **2% of the Initial Contract Price.**

(35.1) The Defects Liability Period is **365 Days.**

(39.2) Engineer may order variations up to a total cumulative bill value including variation not exceeding 107.5% of initial contract sum

(40.2) In fixing the appropriate new rates, mark up for overheads & profits shall be limited

to maximum of **16%** of the “Basic Cost” of such items. The Basic cost means cost of materials, labour and equipments.

In fixing such “Basic cost” the Engineer shall use the rates for labour as given below and prices for materials and equipments shall be used the prevailing market prices.”

| Category | Rate (Rs) |
|------------------------|-----------|
| Skill Labour | 3,670.00 |
| Special Skilled Labour | 4,000.00 |
| Labour | 3,000.00 |

The contract is subject to the price adjustment.

- (48.1) The retention from each payment shall be **Ten percent** of the certified work done. The limit of retention shall be **Five percent** of the Initial Contract Price.
- (48.3) Not applicable.
- (49.1) The liquidated damages for the whole of the Works shall be **0.05% of the Initial Contract Price per Day**
- (52.1) The maximum amount of liquidated damages for the whole of the Works shall be **Ten percent** of the Initial Contract Price.
The **Performance Security shall be Five percent** of the Initial Contract Price.

- (58.1) Schedule of Operating and Maintenance Manuals. – As built drawings and operation manuals shall be submitted within 14 Days after completion of each activity.
- (60.1) The percentage to apply to the value of the work not completed, representing the Employer's additional cost for completing the Works, is **Twenty Five percent** of Balance work according to the Initial Contract Price.
- (63.7) The attendance fee payable to the contractor on nominated/specialized sub contract work shall not exceed 8%

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GENERAL SPECIFICATIONS

The Works under this Contract shall be executed in accordance with the Specifications given in the following documents issued by the Construction Industry Development Authority (CIDA), “Savsiripaya”, Wijerama Mawatha, Colombo 07.

| <u>Publication No.:</u> | <u>Description:</u> |
|--|--|
| SCA/4(Vol. I) | Specifications for Building Works, Vol. (I), Sri Lanka. 3 rd Edition (Revised), July 2004 (Amendment was made in January 2006). |
| SCA/4(Vol. II) | Specifications for Building Works Vol.(II), Sri Lanka. 2nd Edition (Revised), October 2001. |
| SCA/3/2 | Specifications for Water Supply Sewerage and Storm Water Drainage Works, Sri Lanka. Second Edition (Revised), April 2002. |
| <u>Technical Specification for Electrical Installation</u> | |
| SCA/8 | Specifications for Electrical and Mechanical works associated with Building and Civil Engineering, Sri Lanka. Second Edition (Revised) August 2000 |
| BS 6651:1990 | British standard code of Practice for Protection of Structures against lightning |

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 Bid.

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

Further to above Bidders should follow the specifications given below under this contract.

SPECIFICATIONS FOR GENERAL REQUIREMENTS AND CIVIL WORKS

1.0 GENERAL

This specification shall be read in conjunction with the other documents, which form the Contract Agreement for the Works. Notwithstanding the subdivision of the specification under different headings each and every part of it shall be deemed supplementary to and complementary every other part thereof.

All materials and workmanship shall be in accordance with the appropriate current Sri Lankan Standards or where such standards are not available the relevant British Standards shall be applicable. Where such standards are in conflict with this specification the interpretation in accordance to this specification shall prevail.

1.1 Equivalency of Standards and Codes

Wherever reference is made in the Contract to specific standards and codes to be met by the goods and materials to be furnished, and work performed or tested, the provisions of the latest current edition or revision of the relevant standards and codes in effect shall apply, unless otherwise expressly stated in the Contract. Where such standards and codes are national, or relate to a particular country or region, other authoritative standards that ensure a substantially equal or higher quality than the standards and codes specified will be accepted subject to the Engineer's prior review and written consent. Differences between the standards specified and the proposed alternative standards shall be fully described in writing by the Contractor and submitted to the Engineer at least 14 days prior to the date when the Contractor desires the Engineer's consent. In the event the Engineer determines that such proposed deviations do not ensure substantially equal or higher quality, the Contractor shall comply with the standards specified in the documents.

1.2 Definitions

In this specification the terms 'approved', 'approval' and 'required' mean 'approved by the Engineer', 'approval of the Engineer' and 'required by the Engineer' respectively.

1.3 Scope of Work

The works to be executed under this Contract comprise the following.

- (a) The provision at site of all necessary labour, materials, plant and equipment, tools instruments etc. together with personnel of all types of skills for the mobilization execution with supervision demobilization and removal of plant tools etc. and other resources provided by the Contractor there from.
- (b) The execution of all necessary surveys for the setting out of building and for required completion of works.

- (c) The maintenance of proper site records, preparation and submission of calculations. Drawings progress reports etc. to the Engineer as required under this Contract Agreement.
- (d) Complete the construction works including all temporary works in accordance to the requirements under this Contract Agreement and as required by the Engineer.
- (e) The testing of required tests in accordance to the specifications therein and as directed by the Engineer.
- (f) All other works associated with the above for the completion of the Works as specified in contract.

1.4 Site Security

The Contractor shall provide all necessary fencing, hoardings, watching and lighting for the security of site and safeguarding the Works. The shelters, guard house and other facilities to be provided for the watchmen to do their duty in an efficient manner. Altering, shifting and adapting same from time to time shall also be the responsibilities of the Contractor. All costs in connection with this shall be borne by the Contractor.

1.5 Advertisement

The Contractor shall allow no advertisement to be placed on any hoarding, scaffolding or fencing erected in connection with the Works without the permission of the Engineer.

1.6 Temporary Works

The Contractor shall submit to the Engineer details, particulars, drawings etc., of all temporary works necessary for the Works for latter's information. The Engineer reserves the right to call for technical justification of the Contractor's proposals and to order any necessary modifications. But the Contractor shall be solely responsible for the stability and safety of all temporary works and for the quality of the permanent works resulting from the Temporary Works eventually adopted.

1.7 Programming of the Works

1.7.1 Master Programming and Records

The Contractor shall furnish in duplicate to the Engineer the Programme and particulars called for in Clause 8.3 Conditions of Contract. The Programme shall be in the form of a critical path network with explanatory notes, capable of being monitored and updated continuously during the progress of the Contract. The Programme shall show inter-alia.

- The dates of possession and the completion named in the Clause 2.1 and Clause 1.1.3.3 in Contract Data.
- The date as determined or proposed for procurement, delivery to site of materials, commencement and completion of erection or installation of work in all trades, and the labour force involved.

- The dates by which the Contractor requires in information from the Engineer.

The critical path network, or other similar network, shall describe major plant allocations and requirements and major site operations.

Each in every one month throughout the construction period the Contractor shall submit to the Engineer further copies of the Programme marked up to show the progress to date, together with any revision of the Programmes. These shall be submitted one week before the site progress meetings.

In the event of the Contractor failing to prepare and complete the Critical Path Network and Works Programme as described above within two weeks of the award of this Contract or such extended time as approved by the Engineer. The Engineer will appoint a Programming Consultant of his choice to assist the Contractor in preparing them and the Contractor will be obliged to settle all payments agreed between the Contractor and the said Programming Consultant.

1.7.2 Daily Returns

The Contractor shall supply by 12 noon on every working day the following daily returns as may be required by the Engineer.

A list of the labour employed on the previous day specifying the number employed in each trade including expatriate labour (summary of labour and Plant required weekly).

Particulars of all materials and goods delivered off-site and on-site.

1.7.3 Progress Report

The Contractor shall submit to the Engineer not later than the 2nd day of every month, a Progress Report for the previous period of month, which shall include the following items and information.

- Photographic records
- The marked Programme submitted at the previous Site Progress Meeting amended (if necessary) to indicate agreed revisions.
- Weather conditions (daily rainfall, temperature, humidity, etc.)
- Summary of construction plant on-site and off-site including dates of arrival and departure of items.
- Summary of principal materials and manufacturers items placed on order and delivered to the site.

1.7.4 Construction Programme and Method of Working

The following shall be considered in preparing the Programme and Master Programme and revisions.

Failure to consider the above implication, which is neither necessarily in the given order of priority, nor to be considered as complete, shall not entitle the Contractor to claim for additional time or extra costs whatsoever.

1.8 Temporary Services

The Contractor shall provide and maintain temporary services necessary for the execution of the Works under the Contract shall make applications and install such services in accordance with the regulations and requirements of the relevant authorities.

The Contractor shall be responsible for all costs and charges in connection with the installation, alteration, shifting, adopting use and maintenance of such services. On completion of the Works, the Contractor shall disconnect such service, which are no longer required by him and or the Employer and clear away all traces.

(a) Power

The Contractor shall apply and pay for the required power and install temporary electrical installation for the Works, Site Office, Engineer's and Consultants Offices, Stores, Labour Huts, Yards and Site lighting and testing for mechanical and electrical services done by others.

A stand-by generator, with adequate capacity should be made available by the Contractor at the site for use in an emergency, if any intention to work during night time and or during power failures. The cost of supplying, installing, running and maintaining of the stand-by generator shall be borne by the Contractor.

(b) Water

The Contractor shall apply and pay for the continuation of temporary water supply connection to the site and construct storage tanks with adequate capacity, together with the necessary internal temporary PVC distribution system including an overhead tank at an adequate elevation, water pumps as may be required and providing taps, valves, etc. in order to provide water for the Works, for drinking purposes, and also for washing, bathing and sanitary facilities required by the Contractor's workmen, the Employer, the Engineer's staff.

Water Bowsers with adequate capacity should be made available in order to bring water to the site from outside and to pump into the storage tanks in an emergency and/or during water cuts and all costs in connection therewith shall be borne by the Contractor.

(c) Engineers Office

Engineers' office should be maintained by the contractor through out the construction period.

Contractor should supply office furniture, stationeries, safety equipment (safety helmets, gum boots, rain coats, umbrellas, etc), a heater/ an electric kettle, a computer and a printer, any

required to maintain the site, within total construction period. At the end of completion of contract, all items may be removed by the contractor.

1.9 Equipment

If Engineer needs to set the Telephone calls, Fax, Photocopies and Printing of Documents related to contract, the contractor shall provide such services. All cost should be borne by the contractor if any not mentioned in BOQ.

1.10 Flammable stores

All petroleum, explosives and flammable materials shall be stored in fireproof buildings and such precautions taken with regard to sitting and fire risks as the Engineer may direct. The Contractor shall make all arrangements with the licensing authority for the necessary license.

1.11 Safety on Site

Safety precautions throughout the construction operations shall comply with all relevant state statute, ordinance, decree, or other law or decree or any regulation or by-law of any local or duly constituted authority applicable within the country at that time.

The Contractor shall provide and maintain the following safety measures in accordance with the regulations and requirements stipulated by the relevant Statutory Authorities.

- i. Safe working conditions
- ii. Safe means of access and exit
- iii. Safety systems for Plant, Machinery and Equipment
- iv. Appropriate safety equipment required at the site and yards such as Helmets, Gum Boots, Masks, Welding Masks, Safety Belts, etc. to the workmen and others engaged in the Works.
- v. Safety nets, safety canopies, safety signs, handrails, guardrails, platforms and other measures ensuring safety of workmen and others engaged in the Works.
- vi. Training, instructions, information and supervision as may be required to enable employees to avoid any potential dangers and hazards.
- vii. All measures ensuring the health and workmen including satisfactory welfare facilities, working conditions and environment.

Safety signs should be in the Sinhala, Tamil and English languages.

1.12 Sources of supply

The Contractor shall have obtained from the Engineer approval of sources of supply of his materials and shall not change his sources without prior approval.

All material that shall be rejected shall be promptly removed from site.

1.13 Setting out

All dimensions given in the drawings should be checked at the site by the Contractor prior to commencing all work. In the event of any discrepancies the Contractor shall inform the Engineer and request well in advance and prior to commencing work. Setting out shall be carried out from the main grid lines of the proposed structure. The Contractor shall employ a suitable responsible officer for site setting out works in accordance with the drawings.

The Contractor shall set out and check all column centers and floor levels and carry out such other surveys as may be necessary to establish accurately the placing of forms and all other basic structural works and setting out in both vertical and longitudinal directions. All survey marks and pegs shall be clearly identifiable with accurate records kept onsite by the Contractor that must be related to Bench Marks. In this regard Contractor must maintain accurate survey instruments at the sites all times for any checking of level that the Engineer or his representative may desire.

1.14 Records

The Contractor shall keep records, in a format approved by the Engineer giving such information that is required by the Engineer. For placing of concrete and shall submit two copies of these records to the Engineer not later than by noon of the next working day after the concreting for placing of borrow material.

1.15 Nuisance and Damage

1.15.1 Noise and disturbance

The Contractor shall carry out the work in such a manner and at such times as to minimize noise and disturbance to adjacent owners' tenants, the public, etc.

1.15.2 Damage to adjacent structures and roadways

If during the execution of the work damage is, or is likely to be, caused to existing roadways, mains, services or adjacent structures due to the Contractors operation they shall be made good to the approval of the Engineer or the authorities concerned. All costs in connection therewith shall be borne by the Contractor.

2. BORROW AREAS

2.1 Source of Materials

When drawings identifying borrow areas and/or quarries are not furnished by the Engineer, the Contractor shall submit for the approval of the Engineer his proposals for the sources of construction materials complying with these Specifications. Approval of any borrow area/quarry or any part thereof, may be withdrawn at any time for any or all uses, regardless of whether the borrow area/quarry was identified by the Engineer or proposed by the Contractor. The extent and depth of any borrow area/quarry shall be subject to the approval of the Engineer.

The Contractor shall be responsible for ascertaining the owner or tenant of the site of any proposed borrow area/quarry and shall obtain all necessary consents and pay all compensation and royalties. The Contractor shall be responsible for the compliance of all borrow area operations with State Statute, Ordinance, Degree or other Law or By-law of any local or other duly constituted authority.

2.2 Location of Borrow Areas

The location of any borrow area or quarry from which material is to be transported to site shall approved by the Engineer.

2.3 Exploitation of Borrow Areas

Before the commencement of any filling the Contractor shall submit for the approval of the Engineer a drawing showing the borrow areas and sources of fill from other excavation, proposed for the provision of the required fill materials, and involving the minimum possible haulage cost to the Employer.

The borrow area shall be cleared of jungle if necessary and stripped as described in Clause 4.2 hereof all at the expense of the Contractor. Where borrow is being extracted from paddy lots, all top soil must be carefully stockpiled for later reinstatement.

The excavation in borrow areas shall be selective with such processing, including irrigation or desiccation, and such selective placing and mixing of the materials excavated as may be necessary to obtain the fill materials specified, both with regard to grading and moisture content.

If unsuitable materials are found in borrow areas they shall be left in place, or excavated and disposed of in accordance with Clause 4.6 hereof at the expense of the Contractor, if necessary for the extraction of further suitable materials or if directed by the Engineer.

On the completion of borrow extraction the borrow areas shall be left in a reasonably smooth, free draining and tidy condition to the satisfaction of the Engineer.

Where borrow has been extracted from paddy lots, the top soil shall be replaced in a uniform layer and finished to the level or levels directed by the Engineer.

2.4 Quarries

Quarries for rock, aggregates, gravel and/or sands shall be subject to the approval of the Engineer. Rock quarries shall be selected so that blasting operations will not endanger the safety of the neighborhood.

The location of gravel quarries shall be such that the excavations do not endanger the stability of the surrounding areas.

River sand quarries shall be selected remote from the banks of the river.

2.5 Stockpiles

Where stockpiling is necessary, separate stockpiles of different materials shall be formed according to their known characteristics, which shall be recorded by tests during the formation of the stockpiles. The location of the stockpiles shall be subject to the approval of the Engineer. The residue or the sites of such stockpiles shall be left in a stable, well drained and tidy condition.

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3. **TESTING OF MATERIALS AND COMPACTION**

The Engineer may order the performance of any of the following tests on the materials and compacted fill in accordance with BS 1377 : 1975 or ASTM:D2049 at such times and locations as he may, decide. The tests shall be performed either by the Contractor's own testing laboratory, or by an approved independent testing laboratory, as approved by the Engineer.

- Particle Size Distribution
BS 1377 Test 7A or 7B
- Liquid Limit
BS 1377 Test 2A or 2B
- Plasticity Index.
BS 1377 Test 4
- Dry Density/Moisture Content Relationship.
BS 1355 Test 13 (5.0 kg rammer method)
- Moisture Content
BS 1377 Test 1A, B or C
- Dry Density
BS 1377 Test 15A, B, C or D
- Test D2049 of ASTM for relative density
of the draining material

The Contractor shall bear the costs of such tests incurred at or by either his own or another approved laboratory. The Contractor shall provide at his own expense for any labour, transport, communication or other assistance which the Engineer may require in the collection and delivery of samples and testing in the field. No handling charges or other additions shall be paid to the Contractor.

Each type of tests shall be generally be carried out at a frequency of once in every 400 m³ of compacted volume or as required by the Engineer.

All test results shall be passed to the Engineer as soon as they are available. In the event of any of the compacted fill incorporated in the Works failing to achieve the specified results for any of the above tests, the Engineer may order the removal and replacement and/or re-compaction as appropriate of such portions of the fill as are in his opinion represented by the failed results.

SPECIFICATIONS FOR ALUMINUM WORKS

4. ALUMINIUM WINDOWS, DOORS AND PARTITIONS

4.1 General

The Aluminium windows, doors and partitions will be designed, fabricated, supplied and installed by the Contractor, and the work shall be carried out under the direction of the Engineer.

4.1.1 Design

The Contractor shall be responsible for doors and partitions based on the outline drawings and details prepared by the Engineer, and shall submit, sufficiently in advance design for the entire aluminium windows, doors clearly indicating all major dimensions and illustrating key sections etc., for the approval of the Engineer.

In addition, the Contractor will be required to prepare shop drawings when instructed by the Engineer during the course of the works.

The shop drawings, samples etc., shall be submitted to the Engineer for approval before the Contractor is allowed to proceed with the fabrication. However, the approval of the drawings by the Engineer shall not absolve the Contractor from all responsibilities and liabilities as to the performance and the efficacy of the aluminium works.

The following specification contains comprehensive technical requirements for the Contract works, and the Contractor in submitting the tender for the works will be deemed to have included against the entire contents of these specifications as a minimum requirement.

Any additional requirements in respect of the Contractor's design as aforesaid which may subsequently be found or deemed necessary the Engineer will be deemed to be included in the Contract Sum.

The Contractor shall be responsible for the design of all components of the windows and doors installation, including (but not be way of limitation) frame sections and sizes, catches, locks, rating gear, weather stripping and gaskets, to meet all performance requirements, and shall be subject to the approval of the Engineer.

4.1.2 Doors and Windows

Aluminium windows and doors shall be constructed from framing, which complies with the Specification and the drawings, including sub-frames for glass panels if required.

The Contractor will be entirely responsible for ensuring that the windows and doors installation is entirely watertight to the structure and the contract sum will be deemed to include all bedding and fixing materials including all necessary flashing, weather stripping, insulation etc.

All windows, doors, etc, shall be designed in accordance with British Standard 4315 and air infiltration shall not exceed 12 m³/h per meter length of opening joint at test pressures of 300 N/m², 200mm Hg.

4.1.3 Glass

For all glazed panels 5mm minimum thick clear or tinted plain glass shall be used.

4.1.4 Pivoted Ventilators

Pivoted ventilators shall be provided as required and shall be of the type operated individually.

The ventilators shall close on independent mullions as part of the window frame.

Sashes shall not be removable from outside when locked.

Pivot pins or pivot cups shall be made of stainless steel or anodised aluminium.

4.1.5 Materials

The Aluminium sections for mullions, frames transoms, heads and sills all other aluminium metalwork shall comply with the following British Standards.

BS 1161 : 1972 Specification for aluminium alloy sections for structural purposes.

BS 1470 : 1972 Wrought Aluminium and aluminium alloys - plate, sheet and strips.

BS 1474 : 1972 - Ditto - bars, extruded round tube and sections. On wrought aluminium for external architectural applications.

4.1.8 Colour Matching

The completed work shall present a substantially uniform appearance in regard to colour and texture and shall be a satisfactory match with identical samples or colour patches held by the Engineer.

4.1.9 Rejection

Any materials, finish or workmanship which is found not to comply with this Specification, will be rejected by the Engineer and any such rejected items will be removed immediately and replaced to the entire satisfaction of the Engineer entirely at the Contractor's expense.

4.1.10 Delivery and Packing

The Contractor shall ensure that all components are suitably packed to ensure protection against handling or other damage during delivery to the site. All aluminium components shall be covered by special protective coatings comprising 'Fablon' 'Sellotape 214' or other equal suitable material fixed with non-damaging and non-reactive adhesive. The Contractor shall state in his tender the type of protection proposed, complete with samples and reference to previous uses.

4.1.11 Assembly

As far as possible, all aluminium shall be formed, fabricated, cut, drilled, tapped, fitted or otherwise in the Contractor's workshops. Where it is not practicable to deliver fully

assembled components, the windows and doors shall be delivered ready for assembly to the extent practical for field erection and in a secure and workman like manner to meet the requirements of his specification and to ensure a neat weather tight construction.

4.1.12 Deflection and Loading

All frames shall be designed to withstand wind loading in accordance with the requirements of British Standard Institute Code of Practice for the design of Buildings. Chapter V Loading Part 2, wind loads B.S.C. P3: Chapter V: Part 2 1972. Wind load requirements for the design and testing shall be a basic wind speed of 35 m/s.

Members shall be designed so that deflection arising from wind and static loads shall not adversely affect the strength or appearance of the member or affect the adjacent finishing materials.

4.1.13 Corner Joints

All operable windows sash corners, shall be mitred, angle reinforced, mechanically staked and epoxy bonded. Frames with compatible extrusions, shall be mitred, angle reinforced, mechanically stacked and epoxy bonded. Frames with incompatible extrusions shall be mortised and tenoned.

Permanent water tight shall be made to the junction of the side frame members with all horizontal members.

Joints shall be made by welding or by concealed mechanical connectors. No corner fastening devices such as pins, screws, bolts or pressure indentation shall be visible on vertical exposed faces of sash, members, when the windows are in place. Watertight joints shall be made at the junction of the sill and side frame members.

Windows design shall be such that water will not be trapped on the window sill on the exterior or interior of any frame, except where special provision is made for the removal of condensate.

4.1.14 Strength of Joints

All joints in aluminium components shall be designed and proportioned in such a way that these adequately transmit the stresses set up in adjacent components under the expected operating conditions. If necessary joints shall be suitably sleeved or reinforced so that this requirement shall be met.

4.1.15 Welding

Visible welds in aluminium components shall be dressed and treated so that these conform in appearance to the surface finish applied to the component.

In all cases, welds shall be mechanically sound, providing adequate penetration, and the weld bead shall be uniform and well formed. The dimensions and strength of the weld shall be such as to provide adequate strength to the component concerned to enable fulfillment of normal service function.

Welding shall not be applied to visible surfaces to which a surface finish such as anodizing has previously been applied, nor shall any weld be applied which may affect the appearance of a surface finish.

4.1.16 Weather seals, Weatherproofing, Thermal Break and Soundproofing

The Contractor shall form all weather stripping for all fixed and opening aluminium windows. All weather strips shall be of good quality material which is compatible with aluminium.

4.1.17 Fixings

Frames shall be fixed in structural openings using appropriate fixing lugs, properly bolted to the structure and to the frames, as required.

4.1.18 Fixing Procedure

The Contractor will be responsible for checking on site all dimensional properties relating to the structural openings.

The Contractor shall only proceed with the fabrication of the aluminium sections when he is completely satisfied that the structural openings are within the permissible tolerances acceptable for the installation of the aluminium framing.

4.1.19 Tolerances

The tolerance for windows on overall dimensions shall not be greater than +1.5mm.

The tolerances for the location of centre lines of mullions and transoms etc. shall be +1.5mm except where transoms or mullion form part of a continuous strip where the tolerance shall not be greater than +0.4mm.

4.1.20 Expansion and Contraction

The design of the windows shall be such that expansion and contraction take place freely in the plane of the member or frame, and under no circumstances shall provision for expansion be allowed by making use of slotted fixing holes in brackets to allow sliding movement between the brackets and the building structure.

Provision shall be made for horizontal and vertical expansion joints to be made independent of one from the other unless specially noted to the contrary. Provision is also to be made to prevent water penetration and air infiltration at such joints.

4.1.21 Dissimilar Materials

Where aluminium surfaces may come in contact with other metals, water absorbent or porous materials, or incompatible materials, such surfaces shall be kept from direct contact with these materials.

4.1.22 Ironmongery

All ironmongery shall satisfactorily perform the functions for which intended and shall be securely attached to windows, panels and/or units. Such components should be of aluminium, die-cast alloy or other non-corrosive materials compatible with aluminium. Plated or coated materials not compatible with aluminium and which could cause electrolytic action are not acceptable. The finish shall be either anodizing or based on bronze finish.

Provision shall be made for hinges, locks, catches, handles, latches, opening devices, stays, pulls, lifts, required for efficient use and operation. All hinges shall be aluminium or stainless steel.

There shall be no aluminium to aluminium contact between ironmongery or unit members which are required to move relative to one another and at the same time remain in contact.

4.1.23 Keys & Locks

Hardware

- (1) Keying System - before locks are delivered to job site, submit complete laying system for approval by the Engineer.
- (2) All locks - 03 keys for each lock. Keys of any one set shall not operate locks of any other set.
- (3) Locks - Locks shall be Mortise Lock Sets manufactured by 'WP' or West European to be approved by the Engineer.

4.1.24 Cleanliness

The Contractor shall ensure that marks or other blemishes, for which he is responsible, are removed from the installed units as the work proceeds, so that stains do not set.

4.1.25 Powder Coating

The colour powder coated products shall comply with the following standards. However the minimum Powder Coating thickness shall be not less than 60 microns.

BS 6496 of 1984

BS 3900

ASTM B 1117

The colour of powder coated products should be RAL and BS shades.

The Contractor shall be required to submit a certificate from the manufacturer or supplier of the aluminium sections that the powder coating finish complies with the requirements of the above standards.

The Contractor will be required to submit a ten year guarantee for the powder coating finish.

The Contractor will be required to submit, samples of the proposed powder coating finish, in a range of colours to the Engineer for selection and approval, before the commencement of the works. All subsequent work shall be equal to the approved samples.

4.1.26 Protection

The Contractor shall ensure that aluminium and glazing work is protected at all times from damage or from handling marks.

If disfiguring damage is apparent on aluminium surfaces or parts thereof, it shall be the responsibility of the Contractor to make good or replace such damage to the satisfaction of the Engineer.

Aluminium windows shall not be used as means of access or for supporting stagings, trestles or other load bearing equipment.

On completion the protective film shall be removed from the aluminium members and the whole cleaned to the satisfaction of the Engineer.

4.1.27 Guarantees

The Contractor shall rectify any faults in aluminium and glazing work which may arise during the defects liability period and shall make good any such defects at his own expense.

Colours shall be guaranteed to last for a minimum period of ten (10) years.

Notwithstanding maintenance requirements of the work the Contractor shall further be required to provide a written guarantee against the workmanship, materials, installation, and operation for a period of five (5) years from the date of completion of the Contract. This guarantee shall also include for a guarantee against water penetration between the window and the structure.

All guarantees shall be lodged with the Engineer before commencement of the work.

4.1.28 Sample for Testing

The Contractor shall, provide and arrange for the supply and delivery of a sample of a typical window unit, full height, but half width, to an independent testing authority for testing. The unit shall be in all respects similar to windows to be installed on the works, and the sample shall be installed in a structure provided by others in exact, the manner that windows will be installed in the works. The Contractor shall allow for all necessary adjustments during the course of the testing.

Such further testing as required in this specification shall be carried out, if required by the Engineer by an approved recognized testing authority, in the presence of the testing officer, and the Engineer or in the presence of their authorized representatives and any work subsequently carried out under this Contract shall be in accordance with the samples so tested, and approved by the Engineer.

If the Contractor has had similar components to those mentioned in this specification, tested and passed by a competent authority as mentioned above, he may re-submit the results of such previous testing in lieu of manufacturing a sample for testing purposes. The Engineer reserves the right to reject or approve such previous testing and shall, if he deems necessary, order for an additional test.

Samples units submitted for testing shall be accompanied by properly identified drawings relating directly to the sample.

4.1.29 Control Sample

Sample window and door units, as required shall be lodged with the Engineer as control standards, before 7 weeks of commencement of work, on aluminium doors, windows and partitions.

4.1.30 Testing

The following tests may be required at the discretion of the Engineer.

(a) Coating Thickness

The coating thickness shall be measured using an eddy current instrument as specified in BS 3978 : 1966, or ASTM B244 of the Aluminium Association of America's Method for 'Measuring, Thickness of Coating of Aluminium.

(b) Coating Weight

As ASTM B 157.

(c) Staining

The Aluminium Association of America's 'Stain Test for Anodic Coatings of Aluminium'.

(d) Hardness

Hardness tests shall comply to testing with an 'Eagle Turquoise' pencil, grade 2H, pushing forward about 6mm at an angle of 45 using pressure, without breaking the lead; if the hardness of the film is satisfactory, the film will not rupture.

(e) Resistance to sulphur dioxide

The film shall comply to BS 1615:1961: the finish shall show no blistering, softening or lack of adhesion and there shall be no corrosion creep under the coating.

(f) Accelerated Exposure

The surface finish shall comply to BS 3900: 1966 Part F, under the effects of the Erickson apparatus exposed for 2000 hours in a weather meter.

The allowable defects shall be very slight chalking and change of colour, together with the normal water and carbon are dust staining.

(g) Air Infiltration

As BS 4315.

(h) Leakage Tests

The window installation including all glazing shall be capable of withstanding conditions of test pressures 300 N/mm^2 , 30mm Hg.

Under these conditions when the outside surface of the window is completely covered with a film of water, there shall be no leakage of water whatsoever from the outside to the inside of the window; and the installation as a whole shall be completely waterproof.

The Contractor shall provide details on how to provide such tests as to prove that the fixed and pivoted windows are water tight.

Features

Mobile Compactor System Unit – Technical Specification

1. Product Overview

The Mobile Compactor System is a high-density storage solution designed for offices, libraries, and archives. It optimizes space utilization while providing secure, organized, and easily accessible storage for box files, documents, and other materials.

This system features movable double-sided cupboards with adjustable shelves, cast iron rollers for smooth manoeuvring, and robust construction to handle heavy loads.

2. System Dimensions & Capacity

| Movable Double-Sided Cupboard (5 Compartments on Each Side) | | | | | | |
|---|------|--------|--------|-------------------|-------------------------------------|--------------------------|
| 637 wide x 2185 high (25"W x 86"H) | | | | | | |
| Final Outer length | | Driver | Driven | 637 Wide Cupboard | Box files per Double Sided Cupboard | Total Box files (3"wide) |
| 11'-1" | 3370 | 1050 | 1050-2 | 1050x3 | 130x3 | 390 |

3. Materials & Construction

Base:

2 mm EG cold-rolled steel, laser cut for precision

Powder-coated finish

Self-aligning C.I. (Cast Iron) rollers with steel sprockets and chains

Cupboards:

Knock-down, easy assembly

0.8 mm EG Cold-rolled sheets

Colours : Grey / Beige Powder-coated

finish Warranty : 5 years against

mechanical defects

4. Features

Adjustable Shelves : Suitable for box files; 70 kg loading capacity per shelf

Floor Load Requirement: >900 kg/m² when fully loaded (5 kg per box file)

Turning Wheel : Aesthetically designed steel tubular turning wheel with position locking mechanism & effortless operation.

Modular Construction: Easy assembly and reconfiguration

Security : Lockable cupboards for restricted access

Space Efficiency : Eliminates aisles, forming a closed block to reduce dust ingress

Properly align cupboards on railings to maintain smooth operation.

ELECTRICAL SPECIFICATIONS

Low voltage Electrical Distribution System

1 General

1.1 Electrical System

Nominal system voltage

| | | |
|----------------------------------|---|---------------------------|
| Between phases | : | 400 V |
| Between phases & neutral | : | 230 V |
| Wiring System | : | Three phase, four wire |
| Earthing System | : | Solid earthing, TT system |
| System Frequency | : | 50 Hz |
| System short-circuit RMS current | : | 10 kA (maximum) |

2 Scope of Work

The Contractor shall carry out the supply, delivery, erection, connection, testing and commissioning of all the equipment and material for completely new Low Voltage Electrical Distribution Systems for the proposed building. The installation shall include, but not necessarily be limited to, the following major components:

- (a) Lighting system
- (b) Power Outlet system

Electrical distribution System shall comply with BS 7671:2018 - Requirements for Electrical Installations. (IET Wiring Regulation, 18th Edition)

2.1 STANDARDS

Unless otherwise specified herein, electrical equipment, materials and workmanship shall conform to the regulations issued by the Institution of Engineering and Technology (IET) and or International Electro technical Commission (IEC) with the relevant codes of practice issued by the Chartered Institution of Building Service Engineers or such other regulation that may be in force in Sri Lanka.

Specifically, following standards apply:

| | | |
|----------------------------|---|-------------------------------|
| BS 7671 | : | Design |
| BS EN 60947-2, BS EN 60898 | : | Circuit Breakers |
| BS EN 60670, BS EN 60529 | : | General rules of panel boards |
| BS 6004, BS 6346, BS 6724 | : | Cabling |
| BS 1363 | : | Socket outlets |

2.1 Submission for Approval

2.1.1 General

The Contractor shall make for approval by the Engineer of the following, but not be limited to those.

- Detail and/or Shop Drawings
- Samples of Material, Component and Fixed and Equipment
- Certificate of Compliance/Test Reports
- Operation and Maintenance Manuals

2.1.2 Shop Drawings

Shop drawings of all electrical circuit and wiring diagram and any other drawings necessary for fabrication and installation of the system shall be supplied in triplicate to the Engineer to determine the adequacy and suitability of the layouts of the proposed low voltage electrical system.

2.1.3 Technical Literature of Equipment

Technical literature of all equipment proposed to be used in the system inclusive of dimensional drawings, catalogues, test reports and other relevant information shall be supplied in triplicate for the Engineer to determine the adequacy and suitability of the equipment for the proposed low voltage electrical system.

2.1.1 Maintenance & Operating Manuals

Maintenance and operating manuals of low voltage electrical system shall be furnished in triplicate with detailed diagrams of the equipment and instructions of the regular maintenance of the equipment.

A schedule which may be in the form of a material list giving all particulars together with ordering references of all replaceable parts for all the equipment which will be supplied

shall include in the O&M manual.

2.1.2 Samples

Samples of all materials to be supplied under the contract such as light fitting, lamps, socket outlets, cables and insulating materials shall be supplied to the Engineer for approval. Such samples shall be kept with the Engineer until completion of the Works and same will be released to the Contractor on completion of work. The items of supplies used for the project shall be equal to the approved sample.

2.1.3 As-Built Drawings

On completion of the installation, the Contractor shall prepare a set of As-built Drawings incorporating all changes made to the original design and drawings, which shall represent an accurate description of the installed systems. These drawings shall be bound with covers in to an album and handed over to the Engineer.

2.1.4 Handing Over Documents

The final handing over documents to be submitted by the Contractor on completion of the installation shall comprise the following:

- a) Operation and Maintenance Manuals (3 copies)
- b) Commissioning Sheets (3 copies)
- c) Test Reports (3 copies)
- d) As Built Drawings (3 copies)

These documents in required number of copies specified should be supplied to the Engineer within 30 days on issue of taking over certificate. All documents submitted shall be of hard bound cover.

2.1.5 Site Testing and Commissioning

Tenderer shall submit with the tender, a complete proposal with time schedule for testing and commissioning of the low voltage electrical system. The program shall include a trial operation of all main equipment with any necessary adjustments to ensure that the system is working correctly. The Contractor shall provide all instruments and equipment together with commissioning engineers and adequate assistance for carrying out the commissioning and testing activity which shall be done in accordance with the recommendations of relevant Standards. If any portion of the works fails to pass the tests, the Contractor shall, at his own expense carry out such alterations or replacements as are required to the satisfaction of the Engineer. The Engineer shall be at liberty to call for further commissioning when such alterations have been completed to their satisfactory. The Contractor shall provide commissioning spares at his own expense. Spare parts earmarked for maintenance shall not be used during this period.

2.1.6 Maintenance Contract

Tenderer shall submit the terms and charges for service and maintenance contract along with the tender.

3 Switches and Socket

Switches shall comply with BS 60669-1 or SLS 1000 and of quick make, quick break type. Switches shall generally be of the all insulated pattern. The switches offered under this contract shall be either European or an equivalent make approved by the Consultant.

Colour shall be matched according to the architectural features subject to prior approval of the Engineer.

3.1 Switch Socket-Outlets

Each power point shall be a switch socket-outlet of similar construction to match the switches. The switch socket-outlet shall comprise a combined switch and 3-pin shuttered type outlet rated at 13 Amperes unless otherwise indicated. Colour shall be matched according to the architectural features subject to prior approval of the Engineer. Socket outlets and plugs shall conform to the requirements of BS 1363.

3.2 Wiring Method

Wiring carried out shall employ the loop-in loop-out method. Wiring to lighting and power outlets shall be carried out using PVC insulated cables in concealed conduits. Wiring to lighting control switches and power outlets in brick, concrete walls or columns and room partitions shall be PVC insulated cables in concealed conduits.

All sub-circuits and final sub-circuits shall be accompanied with earth continuity conductors of approved sizes, multi-stranded 2.5mm² copper being the accepted minimum size.

3.3 Standard of Installation and Workmanship

The minimum size of cables, conductors, electrical wiring practice, protection, etc shall comply with regulations and the latest requirements of local authorities including all addenda and amendments current at the date of tender.

All parts of the installation shall, where applicable, be to the complete satisfaction of the Engineer, local authorities, and shall be in strict accordance with all by-laws, rules and regulations of such Service Providers.

No approval or any acceptance by the Engineer or his representative shall relieve the Contractor of his responsibilities under the Contract for the quality of material and the standard of workmanship in the works.

3.4 Layout Drawings

The Specification drawings indicate approximate positions of all light fittings, switches, etc, the actual positions of all fittings and switches and wiring layouts and cable routes shall be agreed finally on site with the Engineer having due regard to the requirements of the installation and the selection of the most accessible routes for the wiring and convenience of switching.

3.5 Cable Route Record Drawings

Cable route record drawings showing the exact route of cables and positions of all joints, etc shall be submitted for the Engineer's approval.

3.6 Installation

3.6.1 Mounting Height and Position

Mounting height is indicated elsewhere, otherwise as indicated by the Project Architect/Engineer.

Where difficulty in locating accessories occurs the Project Manager/Engineer shall be informed. Particular attention shall be paid to the positioning of light points in relation to the ceiling, position of switches in relationship to the hanging of door and accessories in relation to fixed furniture, sinks and equipment. Switches shall be installed adjacent to the closing style of the doors. The Contractor shall carefully co-ordinate with equipment/furniture supplier and the Project Manager regarding the final position of the equipment.

4 Light Fittings

4.1 General

The Contractor shall furnish and install all light fittings and lamps as shown in the drawings and as specified herein. All luminaries shall comply fully with IEC requirements.

All luminaries shall be complete with metal housing shall be securely earthed to circuit protective conductor through screws, bolts or positive clips provided by the fitting manufacturer for that purpose.

Fitting, driver and light shall be manufactured by the same manufacture. Brand shall exist more than 15 years in the lighting field. All light fittings shall be delivered to the job site pre-wired and completely equipped as complete set such as diffusing materials, refractors, reflectors, canopies, brackets, plates and the like (with the exception of lamps), wired, assembled and tested by the fitting manufacturer.

The Contractor shall be responsible for the replacement and satisfactory repair of any damage or defective fitting, including paint finish, metal work, lenses, diffusers, etc up to the final acceptance. Any deterioration or discoloration of painted or plated finishes or lenses or diffusers, apparent upon close inspection, within the maintenance period shall be replaced by the Contractor at his own expense.

Manufacturer's/ Authorized agent's warranty for the lamp fittings shall be at least two year and warranty cards to be handed over along with the handing over document.

4.2 LED Light Fittings

LED light fittings shall be high quality branded products. Life time of luminaire shall be greater than 50,000 burning hours. (L70 – B50)

Each individual component of luminaire such as LED, driver, optics and heat sink shall be properly selected and placed within the system. There shall be good convective air flow around the heat sink and LED chip. The driver or the control gear shall be constant current integrated type.

4.2.1 Applicable standards

For LED Luminaire

IES LM-79-08 Approved Method: Electrical and Photometric Measurement of Solid State Lighting Products.

For LED Chip

IES LM-80-08 Approved Method for Lumen Maintenance Testing of LED Light Sources.

Wattages of lamps shall be as given in the BOQ. All fittings shall be suitable for the use of the lamps with specified wattages. Fittings shall be designed so that heat is dissipated without causing excessive temperatures.

4.2.2 Testing

One sample of selected light fitting by the Engineer shall be tested for Photometric and

electrical parameters testing of lighting products at Regional Centre for Lighting (RCL) , National Engineering Research & Development Center (NERDC), Arthur C Clarke Institute of Modern Technologies (ACCIMT) in Sri Lanka and the test reports shall be submitted for verification.

4.2.3 1200mm suspended type long single batten LED type 2000 lumen light output light fittings

| | |
|------------------|---|
| Material | - 24 gage CRCA sheet steel or polycarbonate |
| Finish | - White colour, Smooth finish, with air tide seal cover |
| Diffuser | - Opal acrylic diffuser / Polycarbonate diffuser |
| Lamp | - LED 6500K color temperature |
| Electronic Drive | - EN 62384, EN 61000-3-2 |
| IP No. | - 20 |

4.3 Light Fitting Installations

All luminaries shall be securely hang or mounted as follows:

Surface mounted type fittings shall be suitable for mounting on the soffit. Surface mounted fittings shall be secured with metal threaded studs complete with washers, two lock nuts using metal studs cartridge hammer or approved equal apparatus. The threaded metal studs shall penetrate into the hard concrete to a depth of not less than 32mm and shall ensure that it will not hit at the concealed conduit or any other concealed services.

All wiring shall be carried out on the “loop in” principle with terminal points at the socket end of plug and socket connectors. The connectors shall be polarized and rated at 10 Amperes. The cable from the luminaries shall be terminated at the plug end. Each plug and socket connection shall be three pin type with the earth pin in the middle. The plug and socket connector shall be type tested to comply with the relevant clauses of BS 5733: General Requirements for Accessories. All fluorescent lamp shall be used with electronic ballast on AC 50 Hz supplies.

14 Testing of entire electrical installation

Testing of entire electrical installation of the building complex shall be carried out by the Contractor. Test report/certificate as required per IET building wiring regulation and certified by a Chartered Electrical Engineer shall be submitted.

16 Handing Over

After completion of the project the contractor shall handover Three sets A2 size hard copies & 1 set of soft copies in a CD of As Built drawings to cover the entire installation. Manuals and relevant technical catalogues of equipment used in the system also to be handed over.

DRAFT

SECTION 06
SPECIFICATIONS

DRAFT

TECHNICAL SPECIFICATIONS

The works under this Bid shall be executed in accordance with the Specifications given in the following documents issued by the Construction Industry Development Authority (CIDA), “Suwasiripaya”, Wijerama Mawatha, Colombo 7, and as specified.

| <u>Publication No.:</u> | <u>Description:</u> |
|-------------------------|---|
| SCA/4(Vol. I) | Specifications for Building Works, Vol. (I), Sri Lanka. 3 rd Edition (Revised), July 2004. |
| SCA/4(Vol. II) | Specifications for Building Works Vol. (II), Sri Lanka. 2 nd Edition (Revised) October 2001. |
| SCA/3/2 | Specifications for Water Supply Sewerage and Storm Water Drainage Works, Sri Lanka. Second Edition (Revised), April 2002. |
| SCA/8 | Specifications for Electrical & Mechanical Works, [2 nd Edition (Revised) – August 2000] |

It is implied that the Bidders are acquainted with the above documents and therefore, those will not be included in the bidding document.

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

**RENOVATION OF RECORD ROOM WITH MOBILE RACK INSTALLATION WORK
DEVELOPMENT LOTERIES BOARD
BILLS OF QUANTITIES**

BILL NO. 01- PRELIMINARIES

| ITEM | DESCRIPTION | QTY | UNIT | RATE Rs. Cts. | AMOUNT Rs. Cts. |
|-------|--|------|------|------------------|--------------------|
| | <u>A - PRELIMINARIES</u> | | | | |
| | <i>These preliminary works are related to Renovation of record room and Rack installtion in the excisting building as reflected in the BOQ. Hence, the bidder is thoroughly advised to visit the proposed work site and asses the additional costs to be born if any. It is the bidder's responsibility to asserting the existing working conditions, governing factors to access to the site, the extent of working space, storage area, working with the day to day functioning of the lotteries board, etc and rating the BOQ. All cost for preliminary work except items given below shall be distributed the rates of other items of the BOQ.</i> | Note | | | |
| | <i>Arrangements shall be made by the Bidder to dismantle all temporary and false constructions and fabrications and remove all rubbish and debris away from the work site.</i> | Note | | | |
| | MODE OF PAYMENTS | | | | |
| (i) | Reimbursement of actual cost on submission of the relevant documents including originals of receipt notes and acceptable to the Engineer plus 5% of the actual cost obtaining the Insurance Policies and Securities : 1A -1 to 1A-4 | Note | | | |
| (ii) | 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. 1A-5, 1A-08, 1A-09,1A-10 | Note | | | |
| (iii) | Paid on satisfactorily completion of the item. 1A-6,1A-14,1A-15 | Note | | | |
| (iv) | In equal installments over the contract period. 1A-7,1A-13,1A-16,1A-17,1A-18 | Note | | | |
| (v) | Paid in installment over the contract based on the % of financial progress of the project upto the maximum of quoted price. 1A-11 | Note | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE Rs. Cts. | AMOUNT Rs. Cts. |
|------|--|------|-------------|------------------|--------------------|
| (vi) | 50% will be paid after completion of setting out in Ground floor, 25% will be paid after completion of setting out of first floor. Balance will be paid when structure is completed. 1A-13 | Note | | | |
| | Insurance and Securities | | | | |
| 1A-1 | Allow Provisional sum for providing Performance Bond for the contract. | | Pro. Sum | | 45,000.00 |
| 1A-2 | Allow Provisional sum for providing Mobilization Advance bond. | | Pro. Sum | | 30,000.00 |
| 1A-3 | Allow Provisional sum for insurance of works, Machinery and Equipment, Plant, materials, third party persons and properties and Employer's personnel and property at site as per the contract. | | Pro. Sum | | 10,000.00 |
| 1A-4 | Allow Provisional sum for Insurance against accidents and injury to contractor's personnel. | | Pro. Sum | | 3,000.00 |
| | Engineer's Facilities | | | | |
| 1A-5 | Allow lump sum for construction, maintaining, dismantling and removal on completion of the works a temporary building for Engineer's office with 20.0 Sq.m floor area and Toilet facilities with necessary lockable doors , windows etc. including following facilities. 1). Lockable steel cupboard (approx. 900mm x 450mm x 1800mm) 2). 1 nos Table with Lockable drawers with 1nos arm chairs 3). 3 nos of Chairs 4). 1 No Laptop computer maintenance including supplying stationaries | | Item |  | ..... |
| 1A-6 | Allow lump sum for providing fixed line /CDMA telephone, facsimile facilities, electricity and water services including drinking water for the Engineer's site office for their use in connection with the works. | | Item |  | ..... |
| 1A-7 | Allow lump sum for maintenance, rental, consumption charges etc. for telephone and facsimile facilities, electricity and water services including portable water for the Engineer's site office for their use in connection with the works. | | Item |  | ..... |

| ITEM | DESCRIPTION | QTY | UNIT | RATE Rs. Cts. | AMOUNT Rs. Cts. |
|---------|--|-----|------|------------------|--------------------|
| | Allow lump sum for employing one Project Manager with Charter qualification with 7 years experience, one Mechanical Engineer with Bsc or equivalent qualified with 3 years experience, one Electrical Engineer with Bsc or equivalent qualified with 3 years experience and one Technical Officer (NDT, NDES, HNDE Civil Engineering or equivalent qualified with minimum 3 years experience) in building construction on full time basis for construction management services at the site. All details, CV's with originals of certificates should be provided by the Contractor for prior approval. Payments will be made on they are daily attendance basis. | | | | |
| 1A-11.1 | Project Manager (Civil) (One person) (For maximum 1 months - On part time basis) | | Item |  | ..... |
| 1A-11.2 | Mechanical Engineer (One person) (For maximum 1 months - On part time basis) | | Item |  | ..... |
| 1A-11.3 | Electrical Engineer (One person) (For maximum 1 months - On part time basis) | | Item |  | ..... |
| 1A-11.4 | Technical Officer (Mechanical) (One person) (For maximum 2 months - On Full time basis) <i>Setting Out</i> | | Item |  | ..... |
| 1A-12 | Allow lump sum for setting out of Works in accordance with drawings and other written information given by the Engineer. <i>Quality, Standards and Progress</i> | | Item |  | ..... |
| 1A-13 | Allow lump sum for provision of progress reports including photographic records and other schedules included in the ICTAD publication - Guidelines for Effective Construction Management. (ICTAD/CM/01), relevant to contract administration as directed by the Engineer. | | Item |  | ..... |
| 1A-14 | Allow lump sum for provision of shop drawings, bar schedules etc. for Engineer's approval. | | Item |  | ..... |
| 1A-15 | Allow lump sum for provision of 3 sets of (hard copies and soft copies) as-built drawings of following services, for Engineer's approval. | | Item |  | ..... |

| ITEM | DESCRIPTION | QTY | UNIT | RATE Rs. Cts. | AMOUNT Rs. Cts. |
|---|---|-----|------|------------------|--------------------|
| | (b). Electrical (e). Mechanical i. Mobile rack System Health, Safety and Environment | | | | |
| 1A-16 | Allow lump sum for providing and maintaining first aid box and regular supply of medicine and linen etc, | | Item |  | ..... |
| 1A-17 | Allow lump sum for maintaining the site in clean and orderly manner at all times and during the entire Contract period | | Item |  | ..... |
| 1A-18 | Allow lump sum for providing following necessary safety measures to workmen and to Engineer's staff at site confirming to the latest industrial safety regulations and as directed. a) Gum boots/Safety shoes b) Safety helmets c) Eye protectors (Eye goggles) d) Rain coat | | Item |  | ..... |
| Sub Total of Preliminaries Carried to Main Summary |  |  |  |  | ..... |

**RENOVATION OF RECORD ROOM WITH MOBILE RACK INSTALLATION WORK
DEVELOPMENT LOTTERIES BOARD**

BILLS OF QUANTITIES

BILL NO. 02- SUPERSTRUCTURE

| ITEM | DESCRIPTION | QTY | UNIT | RATE Rs. Cts. | AMOUNT Rs. Cts. |
|--|---|------|----------------|------------------|--------------------|
| | <i>Bidder is advised to visit the above site prior to quote of bill of quantities to have the clear picture of the site conditions.</i> | Note | | | |
| | <i>All rates shall be included for supplying erecting and removing scaffoldings, and platforms.</i> | Note | | | |
| | <i>All rates shall be included for providing samples for approval of the Engineer.</i> | Note | | | |
| | <i>All rates shall included for preparation of surface, cleaning down and primary paint coats to obtain neat surface, sand papering etc.</i> | Note | | | |
| | <i>All rates shall included for protection of floors and fittings, removing door and window furniture and cleaning glass panes and door and window accessories.</i> | Note | | | |
| | <i>All rates shall be included for transporting materials within lotteries board premises.</i> | Note | | | |
| | <i>All rates shall be included for clearing away debris from lotteries board premises.</i> | Note | | | |
| | <u>2A - DEMOLITION WORKS</u> | | | | |
| 2A-1 | Removing and stacking existing racks at site including making good to walls & floors. | 22 | m ² | ..... | ..... |
| 2A-2 | Removing and stacking door frame with sash only up to 40 s.ft from existing walls. | 1 | Nr | ..... | ..... |
| 2A-3 | Removing and stacking partitions at site including making good to walls & floors. | 3.5 | m ² | ..... | ..... |
| Sub total for Demolition Works carried to summary |  |  |  |  | ..... |

| ITEM | DESCRIPTION | QTY | UNIT | RATE Rs. Cts. | AMOUNT Rs. Cts. |
|------|---|------|------|------------------|--------------------|
| | <p>3) Spectrometer Test</p> <p>4) Thickness of entiructions</p> <p>b) For the power coated</p> <p>1) Visual Comparison Test</p> <p>2) Glossness Test</p> <p>3) Test for thickness of coat</p> <p>4) Bending Test</p> <p>5) Cross Hatch Test</p> <p>6) Cupping Test</p> <p>Details of Aluminium Sections and accessories to be used if not specified separately.</p> <p><u>General</u></p> <p>Screws - Stainless Steel</p> <p>Rubber Beading - EPDM "Sunplast" or equivalent</p> <p>Silicon - "dow coningboss" or equivalent as approved by the Engineer</p> <p>for frame:</p> <p>(a) Single sashed/double sash single swing - 1.5mm mm thick 76x45/35mm section with built door stopper</p> <p>for Sash</p> <p>Doors - width of Top bar-80mm width of Middle bar-100mm width of Bottom bar-120mm module depth 45mm</p> <p>Glass</p> <p>6mm thick clear float glasses Gardian or equivalent for doors</p> <p>Panel - 4mm thick both side coated Aluminium composite board</p> <p>lock (if not separately specified) -VVP or equivalent with duplicate keys</p> <p>Butt Hinges - 03 nos Stainless Steel (304) butt hinges to be provided for a door sash if not separately specified</p> <p>Bar Hinge - 300mm Stainless Steel (304) bar hinges one pair for out sash.</p> | Note | | | |
| | | Note | | | |
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| | | Note | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE Rs. Cts. | AMOUNT Rs. Cts. |
|--|--|------|------|------------------|--------------------|
| | <u>Aluminium Doors</u> | | | | |
| 2B-1 | Supplying all materials, fabricating and fixing of Door, size 750mm x 2100mm , powder coated Aluminium framed fully panelled, single swing type single sash door as shown in the Drawing including all approved iron mongery | 3.00 | Nr | | |
| 2B-2 | Supplying and fixing Handle Pair I type "Magnum" Brand & model no "2512H" handle 300 mm long stainless steel door pull handle fixed complete to working order. | 3.00 | Nr | ..... | ..... |
| | | | | | - |
| Sub total for Metal Works carried to summary |  |  |  |  | ..... |
| | 2C - MECHANICAL INSTALLATION | | | | |
| | <u>MOBILE RACK INSTALLATION WORKS</u> | | | | |
| | <i>Load bearing capacity of the floor should be above 900kgs/m2 when the cupboard is fully loaded with box files (5kg per Box file) get the confirmation from the structural Engineer before the work.</i> | | | | |
| | <u>Mobile rack complete</u> | | | | |
| | <i>Each mobile Rack comprising the following</i> | | | | |
| | <i>03 Nos. 975mm Wide Cupboard with Center Partition & 5 compartments 15" apart on both side to hold 360 Nos. 3" wide Box Files.</i> | | | | |
| 2C-1 | 10'-3" x 2'-1" x 7'-2" H Mobile Rack complete | 14.0 | Nr | ..... | ..... |
| 2C-2 | 11'-0" x 2'-1" x 7'-2" H Mobile Rack complete | 7.0 | Nr | ..... | ..... |
| 2C-3 | 975 mm Door Pair | 9.0 | Nr | ..... | ..... |
| Sub Total of Mobile Rack Installation Works Carried Summary |  |  |  |  | ..... |

| ITEM | DESCRIPTION | QTY | UNIT | RATE Rs. Cts. | AMOUNT Rs. Cts. |
|------|--|-----|------|------------------|--------------------|
| | <p>2D - ELECTRICAL INSTALLATION</p> <p><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></p> <p><i>Except where specifically stated, all costs associated with provision of all holes, openings, chases, ducts and other builders' work required for installation and make them good, shall be included in the rates.</i></p> <p><i>Where reference is made to certain manufactures' products and items identified by registered trade marks, has been done for the sole purpose of defining and establishing standards of quality and performance and not with the intention of restricting the procurement of material or fitting to a particular manufacturer. However all equipment and material should meet the BS or an equivalent standard.</i></p> <p><i>Testing and commissioning of the electrical installation is to be carried out by the contractor and inspection report submitted according to the requirements of the power supply Authority.</i></p> <p><i>Electrical Items (MCB,RCCB etc.) should be of European/Japanese origin or to the BS or equivalent and items without an accredited agent in Sri Lanka shall not be accepted. Guarantee cards(Fans etc.) should be provided from accredited agent before installation.</i></p> <p><i>All the quantities given here are approximated values and Quantities may change with the actual installation at the site.</i></p> <p><i>All types of fittings, materials, painting and finishes shall be approved by the Engineer prior to installation.</i></p> <p><i>All panel boards and consumer units should have wire numbering and a laminated circuit diagram should be pasted on the inside surface of the door.</i></p> | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE Rs. Cts. | AMOUNT Rs. Cts. |
|------|--|------|---------|------------------|--------------------|
| 2D-1 | <p>Modification for the Existing Distribution Board</p> <p>Allow Provisional Sum for the modification of the existing Distribution Board in the building, including supply, installation, testing and commissioning of 3 Nos 10A, 1P MCB & 3 Nos 16A, 1P MCB with suitable busbar connections, cable terminations, lugs, glands and all necessary accessories. The work shall be carried out without affecting the operation of the existing system and in accordance with the Engineer's instructions.</p> <p>All Circuit Breakers to be to the BS and European/Japanese origin.</p> <p>Light Fittings Supply and installation of the following light fittings. Light fittings shall be of high quality and shall be subjected to the approval of the Electrical Engineer prior to purchase. Accessories shall comply with relevant BS/IEC standards and Japanese/European or Sri Lankan make.</p> <p>LED lights shall have a minimum of 30,000hrs Average lifetime (burning hours) and shall be purchased from a reputed supplier. A manufacturing warranty requires more than three years.</p> <p>LED Light fitting shall be considered defective and needs replacement if the lumen output of the luminaire drops to 70% of its nominal output value or flicker condition.</p> <p>LED lamps shall be consistent with constant current integrated type driver. Minimum efficacy of LED light: 100lm/W</p> <p>All the accessories shall comply with the relevant British / IEC standards.</p> | | | | |
| | | | Pro.sum | | 25,000.00 |
| 2D-2 | <p>Supply and installation of suspended type 1200mm long single batten LED light fitting of 2000lm, 6500K, Life time = 25,000 hrs, CRI>80, efficacy > 90lm/W including cable termination and sealing the cable openings of the ceiling using clean room compactible sealant including all the necessary materials and accessories.</p> | 30.0 | nr | ..... | ..... |

| ITEM | DESCRIPTION | QTY | UNIT | RATE Rs. Cts. | AMOUNT Rs. Cts. |
|---|---|------|------|------------------|--------------------|
| | Wiring for Light Points Wiring shall be concealed in PVC conduits within the slab (non ceiling areas) or slab surface mounted (in ceiling areas) and within the walls or partition wall (on vertical plane) with required accessories of approved type and quality. Wiring of a Light points shall include supply of cables, required PVC conduits, bends and joints, end caps, flush switches, sunk boxes and all other material required for a high quality installation. (conduiting should be done at the time of laying the concrete slab and the brick work in non ceiling areas.) | Note | | | |
| 2D-3 | Light Point Wiring Wiring of a light point from the respective Distribution Board using 2 x 1C x 1.5mm ² Cu/PVC/PVC cables with 2.5 mm ² Cu/PVC earth wire drawn through concealed PVC conduits/PVC casing or, as applicable, controlled by a 10A flush switch. Conduits will be concealed PVC conduit / PVC trunking or PVC casing. PVC Conduits/PVC Casing/PVC trunking will be surface mounted or placed in the concrete or as applicable, but the same cost will apply. | 30.0 | nr | ..... | ..... |
| 2D-4 | Socket Outlets 13A Socket Outlets Supplying, installation of white colour 13A socket outlets on brick wall / partition wall /soffit / wall trunking with necessary accessories. | 12.0 | nr | ..... | ..... |
| 2D-5 | Socket Outlet Wiring 13A Socket Outlet Wiring Wiring (including supply of all material required) of 13A socket outlets using approved type 2.5 mm ² Cu/PVC/PVC, 2x1C cable & 2.5 mm ² earth cable drawn through securely fixed concealed/Surface PVC conduit / PVC casing. (Radial circuit) | 12.0 | nr | ..... | ..... |
| 2D-6 | Inspection and Testing - Electrical Installation Testing the installation and rectify any defects and submit a certificate by a Chartered Electrical Engineer. | 1.0 | Item | ..... | ..... |
| Sub Total of Electrical Installation Works Carried Summary |  |  |  |  | ..... |

| ITEM | DESCRIPTION | QTY | UNIT | RATE Rs. Cts. | AMOUNT Rs. Cts. |
|--|---|------|----------------|------------------|--------------------|
| | <u>2E - PAINTING</u> <i>Rates shall include for,</i> <i>The prices shall include for preparation of surface, cleaning down, use of wall fillers and primary paint coats to obtain neat surface., sand papering etc.</i> <i>Preparation of unplastered slab surfaces by grinding to make even, cleaning down the surfaces, patching up the cracks or to make up levels.</i> <i>Protection of Floors and fittings, removing door and window furniture, and cleaning window etc. upon completion.</i> <i>All weathershield/ Floor paints, primer shall be of approved make with non lead pigment.</i> <i>Rate to include for the cost for the scaffoldings.</i> <i>Paints shall have the internationally recognized green certification.</i> | | | | |
| 2E -1 | Painting walls with one coat of interior wall primer including preparing surface for interior application before application of emulsion paint. | 94.0 | m ² | ..... | ..... |
| 2E -2 | Painting walls with two coats of emulsion paint including preparing surface. | 94.0 | m ² | ..... | ..... |
| 2E -3 | Painting Slab soffits, Side of Beams with one coat of primer and one coat of emulsion paint including preparing surface. | 89.0 | m ² | ..... | ..... |
| 2E -4 | Preparing and painting old wood work with one coat of enamel paint. | 16.0 | m ² | ..... | ..... |
| Sub total for Structural Steel works carried to summary |  |  |  |  | ..... |
| 2F-1 | <u>2F - MISCELLANEOUS WORKS</u> Allow Provisional Sum for supply and Installation of Window blinds. | | Pro sum | | 50,000.00 |
| Sub total for Miscellaneous works carried to summary |  |  |  |  | ..... |

**RENOVATION OF RECORD ROOM WITH MOBILE RACK INSTALLATION
WORK
DEVELOPMENT LOTTERIES BOARD
BILLS OF QUANTITIES
SUB SUMMARY**

| BILL NO | DESCRIPTION | AMOUNT Rs. Cts. |
|------------------|-------------------------|----------------------------|
| 2A | DEMOLITION WORKS | ..... |
| 2B | METAL WORK | ..... |
| 2C | MECHANICAL INSTALLATION | ..... |
| 2D | ELECTRICAL INSTALLATION | ..... |
| 2E | PAINTING | ..... |
| 2F | MISCELLANEOUS WORKS | ..... |
| SUB TOTAL |  | ..... |

**RENOVATION OF RECORD ROOM WITH MOBILE RACK INSTALLATION WORK
DEVELOPMENT LOTTERIES BOARD**

**BILLS OF QUANTITIES
MAIN SUMMARY**

| Bill No | DESCRIPTION | AMOUNT | |
|-----------|----------------------------------|-------------------|-----|
| | | Rs | Cts |
| 1A | PRELIMINERIS | | |
| 2A | DEMOLITION WORKS | | |
| 3A | MECHANICAL WORKS | | |
| 4A | ELECTRICAL WORKS | | |
| 5A | PAINTING WORKS | | |
| 6A | MISCELLNEOUS WORKS | | |
| (a) | Sub Total 1 | | |
| (b) | Less: Provisional Sum | 163,000.00 | |
| (c) | Sub Total II (a-b) | | |
| (d) | Less: Discount if any (.....%) | | |
| (e) | Sub Total III (c-d) | | |
| (f) | Add : Provisional Sum (b) | 163,000.00 | |
| | TOTAL BID SUM WITHOUT VAT | | |

Total Bid Sum to be taken in to Form of Bid ([Page No. 05](#)) in words Rupees:
.....
..... only.

Amount of V.A.T.(Prevailing VAT) for the Total Bid Sum :- Rs.
Bidder's VAT Registration No:

.....
Signature of Bidder

Name and Address of Bidder:

Date.....

.....
Signature of Witness (1)

.....
Signature of Witness (2)

Name and Address of Witness (1)

Name and Address of Witness (2)

Date.....

Date.....

TECHNICAL SCHEDULES

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TECHNICAL SCHEDULE

BASIC PRICES OF MATERIALS AND LABOUR

In fixing the appropriate new rate, mark up for overhead and profit **16.0%** of the “basic cost” of such items. The Basic cost means cost of materials, labour and equipment.

In fixing such “Basic Cost” the engineer shall use the rate of labour as given below and for materials and equipment shall be used the prevailing market price.

| | |
|------------------------|-------------|
| Skilled Labour | Rs.3,670.00 |
| Special Skilled Labour | Rs.4,000.00 |
| Labour | Rs.3,000.00 |

Profit and overhead - **16%**

**TECHNICAL SCHEDULE - ELECTRICAL
LOTTERY BOARD**

| REF. | DESCRIPTION | UNITS | PARTICULARS | |
|------------|----------------------------------|-------|--|------------|
| | | | As specified | As offered |
| | Socket Outlets | | | |
| 1 | 13A Socket Outlets | | | |
| | Make | | Orange(X7/X8), Clipsal, ACL, Legrand or eq | |
| | Model | | | |
| | Country of origin | | Sri Lanka, France, Europe, Japan or eq | |
| | Rated current | A | | |
| | Rated service voltage | V | | |
| | Available colors for cover plate | | 1. White 2. Black | |
| | Applicable standard | | BS 1361 | |
| | Warranty | Years | | |
| | | | | |
| 2 | Switches | | | |
| | Make | | Orange(X7/X8), Clipsal, ACL, Legrand or eq | |
| | Model | | | |
| | Country of origin | | Sri Lanka, Europe, Japan or eq | |
| | Rated current | A | | |
| | Rated service voltage | V | | |
| | Available colors for cover plate | | 1. White 2. Black | |
| | Applicable standard | | BS 60669-1 | |
| | Warranty | Years | | |
| | | | | |
| 3 | Cables | | | |
| | | | | |
| 3.1 | PVC Cable | | | |
| | Make | | | |
| | Model | | | |
| | Country of origin | | Sri Lanka, Europe, Japan or eq | |
| | Type | | Cu/PVC/PVC | |
| | Designed current | A | | |
| | Cross-section area | mm2 | Please provide for the entire range | |
| | Number of cores | Nos. | Please provide for the entire range | |
| | Number of cables | | | |
| | Insulation | | | |

| REF. | DESCRIPTION | UNITS | PARTICULARS | |
|------------|--|-------|---|------------|
| | | | As specified | As offered |
| | Operating Voltage | V | | |
| | Voltage drop | % | | |
| | Method of Installation | | PVC casing | |
| | Applicable standard | | BS 6004 | |
| | | | | |
| 3.2 | Earth Cable | | | |
| | Make | | | |
| | Model | | | |
| | Country of origin | | Sri Lanka, Europe, Japan or eq | |
| | Type | | Cu/PVC/Earth | |
| | Designed current | A | | |
| | Cross-section area | mm2 | Please provide for the entire range | |
| | Number of cores | Nos. | 1 | |
| | Number of cables | | | |
| | Insulation | | | |
| | Operating Voltage | V | | |
| | Voltage drop | % | | |
| | Method of Installation | | PVC casing | |
| | Applicable standard | | BS 6004 | |
| | | | | |
| 4 | Light Fittings | | | |
| 4.1 | 1200mm Suspended type long batten LED type 2000 lumen light output light fittings | | | |
| | Make | | | |
| | Model | | | |
| | Country of Origin | | | |
| | Material | | 24 gage sheet steel/ polycarbonate | |
| | Finish | | White colour, Smooth finish, with air tide seal cover | |
| | Lamp | | LED | |
| | Reflector | | | |
| | Diffuser | | Opal acrylic / Polycarbonate Diamond | |
| | Dimension | | | |
| | Light Output | Lumen | >=2000 | |
| | Color temperature | K | 6500 | |
| | Color Rendering | % | >80 | |
| | Weight | kg | | |
| | Voltage | V | 230 | |
| | Frequency | Hz | 50 | |

| REF. | DESCRIPTION | UNITS | PARTICULARS | |
|------|---------------------|-------|--------------------------------|------------|
| | | | As specified | As offered |
| | Applicable standard | | IES LM-79-08 / IES LM-80-08 | |
| | Ingress protection | IP | 20 | |
| | Warranty | | 2 years | |

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SECTION - 07

BILL OF QUANTITIES & TECHNICAL SCHEDULE

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 the Bill of Quantities **including all overhead charges (excluding VAT), profit and Preliminaries** 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, 1999, 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 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.
8. 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.
9. 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.

10. 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.
11. Selected Bidder shall comply with the arrangement of work in the buildings and be ready to work part by part as required by the Authorities of **Development Lotteries Board**.
12. Rates in the Bill of Quantities shall include all necessary materials such as cables, PVC conduits, PVC sunk boxes etc and labour required to complete the electrical installation to good working order.
13. Except where specifically stated, all costs associated with provision of all holes, openings, chases and ducts in other builders' work required for installation and make them good , shall be included in the rates.
14. Bidder should pay special attention to the work to be carried out, causing minimum disturbance or hindrance to the normal functions and activities of the users of the **Development Lotteries Board. Further, Water & Electricity for the Work shall be arranged by the Bidder.**
15. The Bills of Quantities should therefore, be priced to reflect all factors that would affect the bid and the progress of the works.
16. All electrical accessories should comply with relevant BS/IEC standards. For electrical accessories, manufacturer's guarantee should be produced if necessary.
17. The wiring installation shall comply with the requirements of IEE Wiring Regulations, latest edition.
18. Bidder should pay special attention to the work to be carried out, causing minimum disturbance or hindrance to the normal functions and activities of the users of the **Development Lotteries Board, No.356, Dr. R. De Silva Mawatha, and Union Place, Colombo 02.**
19. Screens should be provided to prevent dust escaping from working areas.
20. Metric units are used throughout the Bill of Quantities for measurement purposes unless otherwise indicated. Abbreviations used in the Contract are as follows:-

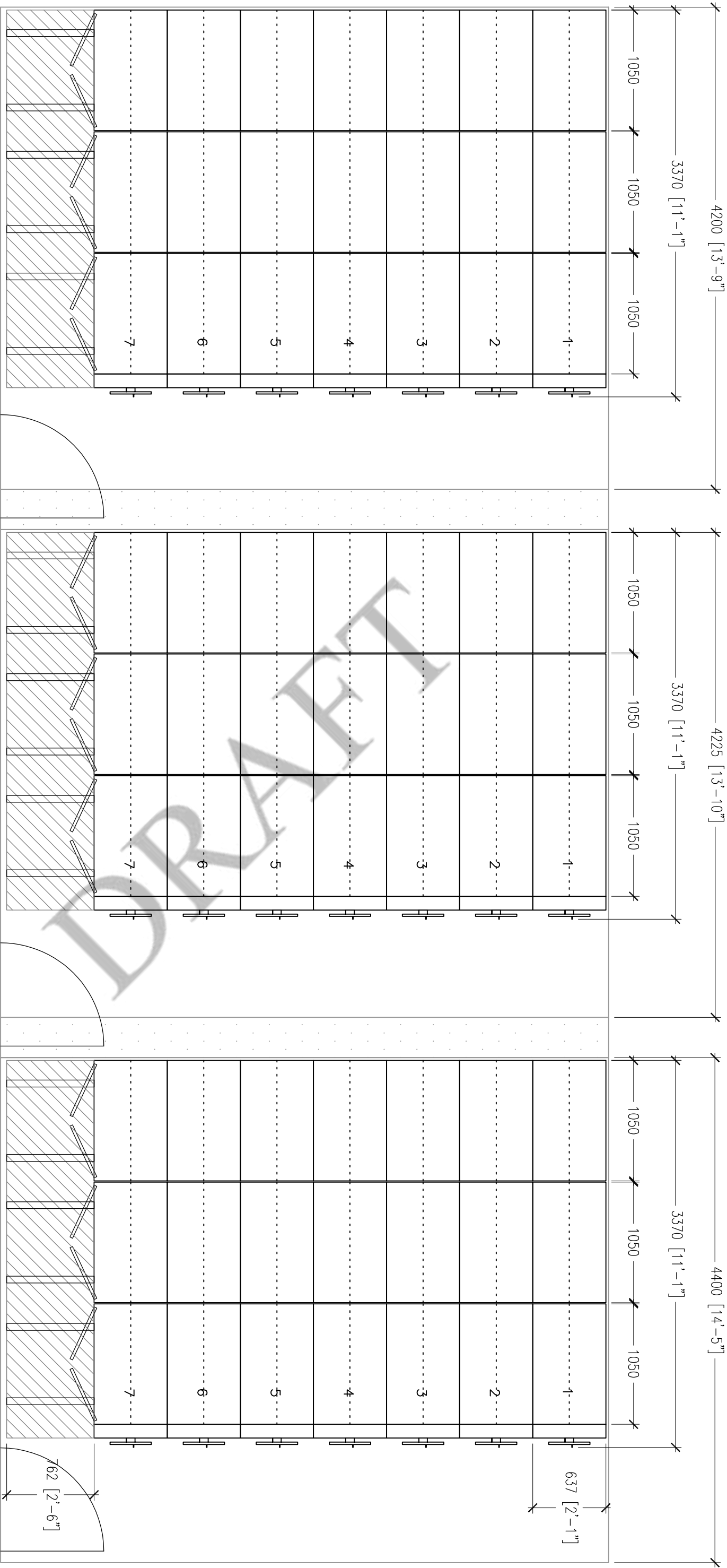
| | | |
|----------------|---|-------------------|
| mm | - | Millimeter |
| m | - | Linear meter |
| kg | - | Kilogram |
| m ² | - | Square meter |
| m ³ | - | Cubic meter |
| nr | - | Number |
| Rs. | - | Sri Lankan Rupees |
| Cts. | - | Cents |
| Pro. Sum | - | Provisional sum |

Section - 8
DRAWINGS

List of Drawings

1. Interior Drawing
2. Electrical Drawing

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Section - 9

STANDARD FORMS (BID)

- *Bidders shall submit the completed Form of Bid Security/Bid Securing Declaration as appropriate in compliance with the requirements of the bidding documents.*

FORM OF BID SECURITY

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

Beneficiary: Chairman, Development Lotteries Board, No.356, Dr. R. De Silva Mawatha, and Union Place, Colombo 02

Date: [Insert (by issuing agency) date]

BID GUARANTEE NO.: [Insert (by issuing agency) number] We have been informed that *[Insert (by issuing agency) name of the bidder]* (Hereinafter called "**the Bidder**") has submitted to you its bid dated [Insert (by issuing agency) date] (Hereinafter called "**the Bid**") for execution of "**Renovation of Record Room with Mobile Rack Installation Work, Development Lotteries Board.**" (Contract No:) under Invitation for Bids No. ("The IFB").

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

- (a) has withdrawn its Bid during the period of bid validity specified; or
- (b) does not accept the correction of errors in accordance with the Instructions to Bidders (hereinafter "the ITB"); or
- (c) having been notified of the acceptance of its Bid by the Employer during the period of bid validity, (i) fails to refuse to execute the Contract Form, if required, or (ii) fails to refuse to furnish a 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 the Performance Security issued to you by the Bidder; or
- (b) If the Bidder is not the successful bidder, upon the earlier of
- (c) Our receipt of a copy of your notification to the Bidder that the bidder was unsuccessful, otherwise it will remain in force up to 28 days beyond the validity of the bid. (.....)

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

.....
[Signature of authorized representative(s)]

Check List for Bidders

Bidders are advised to fill the following table:

| ITEM | ITB Clause | Yes (tick) | REFERENCE |
|---|---------------|---------------|-----------|
| Form of Bid | | | |
| Addressed to the Employer? | 18 | | |
| Completed? | 18 | | |
| Signed? | 18 | | |
| Bid securing Declaration form (if required) | | | |
| Properly filled and signed | 16 | | |
| Bid Security (if required) | | | |
| Addressed to the Employer? | 16 | | |
| Format as required? | 16 | | |
| Issuing Agency as specified? | 16 | | |
| Amount and currency as requested? | 16 | | |
| Validity 28 days beyond the validity of Bid ? | 16 | | |
| Qualification Information | | | |
| All relevant information completed? | 4 | | |
| Signed? | 4 | | |
| Addendum | | | |
| Contents of the addendum (if any) taken in to account? | 10 | | |
| BID package | | | |
| All the documents given in ITB Clause 12 enclosed in the original and copy? | 12 | | |
| ITB Clause 19 followed before Sealing the Bid Package? | 19 | | |

**TECHNICAL SCHEDULE - ELECTRICAL
LOTTERY BOARD**

| REF. | DESCRIPTION | UNITS | PARTICULARS | |
|------------|----------------------------------|-------|--|------------|
| | | | As specified | As offered |
| | Socket Outlets | | | |
| 1 | 13A Socket Outlets | | | |
| | Make | | Orange(X7/X8), Clipsal, ACL, Legrand or eq | |
| | Model | | | |
| | Country of origin | | Sri Lanka, France, Europe, Japan or eq | |
| | Rated current | A | | |
| | Rated service voltage | V | | |
| | Available colors for cover plate | | 1. White 2. Black | |
| | Applicable standard | | BS 1361 | |
| | Warranty | Years | | |
| | | | | |
| 2 | Switches | | | |
| | Make | | Orange(X7/X8), Clipsal, ACL, Legrand or eq | |
| | Model | | | |
| | Country of origin | | Sri Lanka, Europe, Japan or eq | |
| | Rated current | A | | |
| | Rated service voltage | V | | |
| | Available colors for cover plate | | 1. White 2. Black | |
| | Applicable standard | | BS 60669-1 | |
| | Warranty | Years | | |
| | | | | |
| 3 | Cables | | | |
| | | | | |
| 3.1 | PVC Cable | | | |
| | Make | | | |
| | Model | | | |
| | Country of origin | | Sri Lanka, Europe, Japan or eq | |
| | Type | | Cu/PVC/PVC | |
| | Designed current | A | | |
| | Cross-section area | mm2 | Please provide for the entire range | |
| | Number of cores | Nos. | Please provide for the entire range | |

| REF. | DESCRIPTION | UNITS | PARTICULARS | |
|------------|--|-------|---|------------|
| | | | As specified | As offered |
| | Number of cables | | | |
| | Insulation | | | |
| | Operating Voltage | V | | |
| | Voltage drop | % | | |
| | Method of Installation | | PVC casing | |
| | Applicable standard | | BS 6004 | |
| | | | | |
| 3.2 | Earth Cable | | | |
| | Make | | | |
| | Model | | | |
| | Country of origin | | Sri Lanka, Europe, Japan or eq | |
| | Type | | Cu/PVC/Earth | |
| | Designed current | A | | |
| | Cross-section area | mm2 | Please provide for the entire range | |
| | Number of cores | Nos. | 1 | |
| | Number of cables | | | |
| | Insulation | | | |
| | Operating Voltage | V | | |
| | Voltage drop | % | | |
| | Method of Installation | | PVC casing | |
| | Applicable standard | | BS 6004 | |
| | | | | |
| 4 | Light Fittings | | | |
| 4.1 | 1200mm Suspended type long batten LED type 2000 lumen light output light fittings | | | |
| | Make | | | |
| | Model | | | |
| | Country of Origin | | | |
| | Material | | 24 gage sheet steel/ polycarbonate | |
| | Finish | | White colour, Smooth finish, with air tide seal cover | |
| | Lamp | | LED | |
| | Reflector | | | |
| | Diffuser | | Opal acrylic / Polycarbonate Diamond | |
| | Dimension | | | |
| | Light Output | Lumen | >=2000 | |
| | Color temperature | K | 6500 | |

| REF. | DESCRIPTION | UNITS | PARTICULARS | |
|------|---------------------|-------|--------------------------------|------------|
| | | | As specified | As offered |
| | Color Rendering | % | >80 | |
| | Weight | kg | | |
| | Voltage | V | 230 | |
| | Frequency | Hz | 50 | |
| | Applicable standard | | IES LM-79-08 / IES LM-80-08 | |
| | Ingress protection | IP | 20 | |
| | Warranty | | 2 years | |
| | | | | |

DRAFT

DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA

MINISTRY OF FINANCE

**RENOVATION OF RECORD ROOM WITH MOBILE
RACK INSTALLATION WORK
DEVELOPMENT LOTTERIES BOARD
CONTRACT NO. DLB/PRO/2025/39
BIDDING DOCUMENT**

Volume I

Section 01 – Instructions to Bidders

Section 02 – Standard Forms (Contract)

Section 03 – Conditions of Contract

Volume II – (For the use as “Original” document)

Invitation for Bid

Section 04 – Form of Bid and Qualification Information

Section 05 – Bidding Data and Contract Data

Section 06 – Specifications

Section 07 – Bill of Quantities and Schedules

Section 08 – Drawings

Section 09 – Standard Forms (Bid)

Volume III – (For the use as “Copy” of document)

Invitation for Bid

Section 04 – Form of Bid and Qualification Information

Section 07 – Bill of Quantities and Schedules

ENGINEER

CENTRAL ENGINEERING CONSULTANCY BUREAU
NO.415,
BAUDDHALOKA MAWATHA,
COLOMBO 07

EMPLOYER

DEVELOPMENT LOTTERIES BOARD,
MINISTRY OF FINANCE,
NO.356, Dr. COLVIN R. DE SILVE MAWATHA,
UNION PLACE,
COLOMBO 02

NOVEMBER 2025

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INVITATION FOR BIDS

INVITATION FOR BIDS (IFB)
MINISTRY OF FINANCE
RENOVATION OF RECORD ROOM WITH MOBILE RACK INSTALLATION WORK
DEVELOPMENT LOTTERIES BOARD
CONTRACT NO. DLB/PRO/2025/39

1. The Chairman, Development Lotteries Board, Union Place, Colombo 02 on behalf of the Ministry of Finance, invites sealed bids from eligible and qualified bidders registered in the Construction Industry Development Authority (CIDA) for the “**Renovation of Record room with Mobile rack installation work, Development Lotteries Board**, Union Place, Colombo 02” as described below and estimated to basic cost of Rs **18.8** million (excluding Contingencies and Taxes).

The Site is Located at the premises **Development Lotteries Board, No.356, Dr. Colvin R. De Silva Mawatha, Union Place, Colombo 02** & Construction Work mainly including Mechanical & Electrical Installation work. Further Demolition work, Metal work Painting and Miscellaneous work and other works as described in the BOQ. The contract period will be **63 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 and shall meet the following requirements.
 - Contractors having valid registration in Grade **SP4 or above** in the field of Specialized Construction under Construction Industry Development Authority.
4. Qualification requirement to qualify for contract award include
 - (a) Average annual volume of construction work Performed in last five years shall be at least **Rs. 28 million**.
 - (b) The minimum amount of liquid assets and/or credit facilities, after setting apart for the other contractual commitments and exclusive of any advance payments which may be made under the Contract, shall be not less than **Rs. 18.8 million**.
 - (c) Successful completion of one building construction project of similar nature and complexity within allocated time period as the main contractor during last five years.
 - (d) Contractor should employ following staff:

| Position | Academic Qualification | Experience | Nr |
|--|-----------------------------|------------|----|
| Project Manager (Civil) (Site – Part time) | Charter Qualifications | 7 yrs | 1 |
| Mechanical Engineer (Site – Part time) | BSc or equivalent | 3 yrs | 1 |
| Electrical Engineer (Site – Part time) | BSc or equivalent | 3 yrs | 1 |
| Technical Officer (Mechanical) (Site – Full time) | NDT/HNDE/NDES or equivalent | 3 yrs | 1 |

Process a valid certificate issued by the Registers of public Contract in accordance with

section 8 of public Contract Act No.03 of 1987.

5. Interested bidders may obtain further information from **Chairman, Development Lotteries Board, No.356, Dr. Colvin R. De Silva Mawatha, Union Place, Colombo 02** Tel. No. 011-4824824 and can inspect the Bidding Document at the address given below. From 09.00hrs to 15.00.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 **Chairman, Development Lotteries Board, No.356, Dr. Colvin R. De Silva Mawatha, Union Place, Colombo 02.**

From 27/11/2025. until 18/12/2025 from 09.00 hrs to 15.00 hrs. Upon payment of a non-refundable fee of **Rs.5,000.00** to the **Chairman, Development Lotteries Board, No.356, Dr. Colvin R. De Silva Mawatha, Union Place, Colombo 02.** The method of payment will be cash only.

7. Sealed Bids shall be delivered to the address below, on or before **14.30 hrs** on **19/12/2025** Late bids will be rejected. Bids will be opened soon after closing the bids in the presence of the Bidders or Bidder's representatives who choose to attend.
8. Bid shall be valid up to **77 Days** from closing of Bid.
9. All bids shall be accompanied by a "Bid security" of **Rupees Three Million Three Hundred and Five Thousand Only (Rs. 335, 000.00).** Bid Security shall be valid up to **105** Days from Bid closing of the Bid. Bid security form is included in the section II in the Bidding document issued in favour of **Chairman, Development Lotteries Board, No.356, Dr. Colvin R. De Silva Mawatha, Union Place, Colombo 02.**
10. Pre –Bid meeting will be held at **14.30 hrs**(Time) on **10/12/2025** (Date) at premises of **Development Lotteries Board, No.356, Dr. Colvin R. De Silva Mawatha, Union Place, Colombo 02.**

The address referred to above is,
Chairman,
Development Lotteries Board,
Ministry of Finance,
No.356, Dr. Colvin R. De Silva Mawatha,
Union Place,
Colombo 02.

Tel. No. 011-4824824
Fax No.: 0112333545
E-mail: info@dlb.lk

Section - 4

**FORM OF BID AND QUALIFICATION
INFORMATION**

FORM OF BID**RENOVATION OF RECORD ROOM WITH MOBILE RACK INSTALLATION WORK
DEVELOPMENT LOTTERIES BOARD**

To: **Chairman,**
Development Lotteries Board,
Union Place,
Colombo 02.

Gentleman,

1. Having examined the Standard Bidding Document - Procurement of Works (ICTAD/SBD/01-Second edition, January 2007 and Addendum 01 issued in October 2009 & Addendum 02 issued in February 2011), Schedule for Conditions of Contract, Specifications, Drawings and Bill of Quantities and Addenda for the execution of the above-named Works, we the undersigned, offer to execute and complete such Works and remedy any defect therein in conformity with the aforesaid Conditions of Contract, Specifications, Drawings, Bill of Quantities and Addenda for the sum of Sri Lankan Rupees
(LKR Rs.) or such other sums as may be ascertained in accordance with the said Conditions.
2. We acknowledge that the Contract Data forms part of our Bid.
3. We undertake, if our Bid is accepted, to commence the Works as stipulated in the Contract Data, and to complete the whole of the Works comprised in the Contract within the time stated in the Contract Data.
4. We agree to abide by this Bid for the period of **77** Days from the date fixed for receiving or any extended period and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
5. Unless and until a formal Agreement is prepared and executed this Bid, together with your written acceptance thereof, shall constitute a binding contract between us.
6. We understand that you are not bound to accept the lowest of any Bid you may receive.

Dated this..... Day of 2025 in the capacity of..... Duly
authorized to sign bids for and on behalf of

.....
(IN BLOCK CAPITAL)

Signature :
Address :
.....
.....
Witness :
.....

QUALIFICATION INFORMATION*(To be completed and submitted by the Bidder with the Bid)*

| ICTAD Registration | | | | | | | | | | | | |
|---|---|--|----------|------------------------|-------------------------|------------------------|---------------------|-------------------|---------------------|-------------------|--------------------------------|-----------------------------|
| | Main Contractor Details | | | | | | | | | | | |
| Registration number | <i>(Attach copies of relevant pages from the registration book)</i> | | | | | | | | | | | |
| Grade | SP4 or above | | | | | | | | | | | |
| Specialty | Specialized Construction | | | | | | | | | | | |
| Expiry Date | | | | | | | | | | | | |
| Blacklisted Contractors | | | | | | | | | | | | |
| Have you been declared as a defaulted contractor by NPA or any other agency? (Yes/No) | | | | | | | | | | | | |
| If yes provide details | | | | | | | | | | | | |
| VAT Registration Number | | | | | | | | | | | | |
| Legal status | <i>(Attach relevant status copies, as annex)</i> | | | | | | | | | | | |
| Value of Construction works Performed in last 5 years | <i>(Attach certified copies of certificate of completion, etc. and other documents such as profit-loss and income expenditure statement)</i> | | | | | | | | | | | |
| Year 2024 | | | | | | | | | | | | |
| Year 2023 | | | | | | | | | | | | |
| Year 2022 | | | | | | | | | | | | |
| Year 2021 | | | | | | | | | | | | |
| Year 2020 | | | | | | | | | | | | |
| Value of similar works completed in last 5 years (indicate only the three largest projects) | 1. Value Rs..... Year 2. Value Rs..... Year 3. Value Rs..... Year (Attach certified copies of Letter of award & certificate of completion) | | | | | | | | | | | |
| Credit Facility | | | | | | | | | | | | |
| Qualification and experience of key staff - Site & Head Office (Permanent, Contract Basis & Consultants) | Managerial / Technical: <table border="1"> <thead> <tr> <th>Position</th> <th>Academic Qualification</th> </tr> </thead> <tbody> <tr> <td>Project Manager (Civil)</td> <td>Charter Qualifications</td> </tr> <tr> <td>Mechanical Engineer</td> <td>BSc or equivalent</td> </tr> <tr> <td>Electrical Engineer</td> <td>BSc or equivalent</td> </tr> <tr> <td>Technical Officer (Mechanical)</td> <td>NDT/HNDE/NDES or equivalent</td> </tr> </tbody> </table> (Attach certified copies of key staff attached to the project) | | Position | Academic Qualification | Project Manager (Civil) | Charter Qualifications | Mechanical Engineer | BSc or equivalent | Electrical Engineer | BSc or equivalent | Technical Officer (Mechanical) | NDT/HNDE/NDES or equivalent |
| Position | Academic Qualification | | | | | | | | | | | |
| Project Manager (Civil) | Charter Qualifications | | | | | | | | | | | |
| Mechanical Engineer | BSc or equivalent | | | | | | | | | | | |
| Electrical Engineer | BSc or equivalent | | | | | | | | | | | |
| Technical Officer (Mechanical) | NDT/HNDE/NDES or equivalent | | | | | | | | | | | |

**RENOVATION OF RECORD ROOM WITH MOBILE RACK INSTALLATION WORK
DEVELOPMENT LOTERIES BOARD
BILLS OF QUANTITIES**

BILL NO. 01- PRELIMINARIES

| ITEM | DESCRIPTION | QTY | UNIT | RATE Rs. Cts. | AMOUNT Rs. Cts. |
|-------|--|------|------|------------------|--------------------|
| | <u>A - PRELIMINARIES</u> | | | | |
| | <i>These preliminary works are related to Renovation of record room and Rack installtion in the excisting building as reflected in the BOQ. Hence, the bidder is thoroughly advised to visit the proposed work site and asses the additional costs to be born if any. It is the bidder's responsibility to asserting the existing working conditions, governing factors to access to the site, the extent of working space, storage area, working with the day to day functioning of the lotteries board, etc and rating the BOQ. All cost for preliminary work except items given below shall be distributed the rates of other items of the BOQ.</i> | Note | | | |
| | <i>Arrangements shall be made by the Bidder to dismantle all temporary and false constructions and fabrications and remove all rubbish and debris away from the work site.</i> | Note | | | |
| | MODE OF PAYMENTS | | | | |
| (i) | Reimbursement of actual cost on submission of the relevant documents including originals of receipt notes and acceptable to the Engineer plus 5% of the actual cost obtaining the Insurance Policies and Securities : 1A -1 to 1A-4 | Note | | | |
| (ii) | 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. 1A-5, 1A-08, 1A-09,1A-10 | Note | | | |
| (iii) | Paid on satisfactorily completion of the item. 1A-6,1A-14,1A-15 | Note | | | |
| (iv) | In equal installments over the contract period. 1A-7,1A-13,1A-16,1A-17,1A-18 | Note | | | |
| (v) | Paid in installment over the contract based on the % of financial progress of the project upto the maximum of quoted price. 1A-11 | Note | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE Rs. Cts. | AMOUNT Rs. Cts. |
|------|--|------|-------------|------------------|--------------------|
| (vi) | 50% will be paid after completion of setting out in Ground floor, 25% will be paid after completion of setting out of first floor. Balance will be paid when structure is completed. 1A-13 | Note | | | |
| | Insurance and Securities | | | | |
| 1A-1 | Allow Provisional sum for providing Performance Bond for the contract. | | Pro. Sum | | 45,000.00 |
| 1A-2 | Allow Provisional sum for providing Mobilization Advance bond. | | Pro. Sum | | 30,000.00 |
| 1A-3 | Allow Provisional sum for insurance of works, Machinery and Equipment, Plant, materials, third party persons and properties and Employer's personnel and property at site as per the contract. | | Pro. Sum | | 10,000.00 |
| 1A-4 | Allow Provisional sum for Insurance against accidents and injury to contractor's personnel. | | Pro. Sum | | 3,000.00 |
| | Engineer's Facilities | | | | |
| 1A-5 | Allow lump sum for construction, maintaining, dismantling and removal on completion of the works a temporary building for Engineer's office with 20.0 Sq.m floor area and Toilet facilities with necessary lockable doors , windows etc. including following facilities. 1). Lockable steel cupboard (approx. 900mm x 450mm x 1800mm) 2). 1 nos Table with Lockable drawers with 1nos arm chairs 3). 3 nos of Chairs 4). 1 No Laptop computer maintenance including supplying stationaries | | Item |  | ..... |
| 1A-6 | Allow lump sum for providing fixed line /CDMA telephone, facsimile facilities, electricity and water services including drinking water for the Engineer's site office for their use in connection with the works. | | Item |  | ..... |
| 1A-7 | Allow lump sum for maintenance, rental, consumption charges etc. for telephone and facsimile facilities, electricity and water services including portable water for the Engineer's site office for their use in connection with the works. | | Item |  | ..... |

| ITEM | DESCRIPTION | QTY | UNIT | RATE Rs. Cts. | AMOUNT Rs. Cts. |
|---------|--|-----|------|------------------|--------------------|
| | Allow lump sum for employing one Project Manager with Charter qualification with 7 years experience, one Mechanical Engineer with Bsc or equivalent qualified with 3 years experience, one Electrical Engineer with Bsc or equivalent qualified with 3 years experience and one Technical Officer (NDT, NDES, HNDE Civil Engineering or equivalent qualified with minimum 3 years experience) in building construction on full time basis for construction management services at the site. All details, CV's with originals of certificates should be provided by the Contractor for prior approval. Payments will be made on they are daily attendance basis. | | | | |
| 1A-11.1 | Project Manager (Civil) (One person) (For maximum 1 months - On part time basis) | | Item |  | ..... |
| 1A-11.2 | Mechanical Engineer (One person) (For maximum 1 months - On part time basis) | | Item |  | ..... |
| 1A-11.3 | Electrical Engineer (One person) (For maximum 1 months - On part time basis) | | Item |  | ..... |
| 1A-11.4 | Technical Officer (Mechanical) (One person) (For maximum 2 months - On Full time basis) <i>Setting Out</i> | | Item |  | ..... |
| 1A-12 | Allow lump sum for setting out of Works in accordance with drawings and other written information given by the Engineer. <i>Quality, Standards and Progress</i> | | Item |  | ..... |
| 1A-13 | Allow lump sum for provision of progress reports including photographic records and other schedules included in the ICTAD publication - Guidelines for Effective Construction Management. (ICTAD/CM/01), relevant to contract administration as directed by the Engineer. | | Item |  | ..... |
| 1A-14 | Allow lump sum for provision of shop drawings, bar schedules etc. for Engineer's approval. | | Item |  | ..... |
| 1A-15 | Allow lump sum for provision of 3 sets of (hard copies and soft copies) as-built drawings of following services, for Engineer's approval. | | Item |  | ..... |

| ITEM | DESCRIPTION | QTY | UNIT | RATE Rs. Cts. | AMOUNT Rs. Cts. |
|---|---|-----|------|------------------|--------------------|
| | (b). Electrical (e). Mechanical i. Mobile rack System Health, Safety and Environment | | | | |
| 1A-16 | Allow lump sum for providing and maintaining first aid box and regular supply of medicine and linen etc, | | Item |  | ..... |
| 1A-17 | Allow lump sum for maintaining the site in clean and orderly manner at all times and during the entire Contract period | | Item |  | ..... |
| 1A-18 | Allow lump sum for providing following necessary safety measures to workmen and to Engineer's staff at site confirming to the latest industrial safety regulations and as directed. a) Gum boots/Safety shoes b) Safety helmets c) Eye protectors (Eye goggles) d) Rain coat | | Item |  | ..... |
| Sub Total of Preliminaries Carried to Main Summary |  |  |  |  | ..... |

**RENOVATION OF RECORD ROOM WITH MOBILE RACK INSTALLATION WORK
DEVELOPMENT LOTTERIES BOARD**

BILLS OF QUANTITIES

BILL NO. 02- SUPERSTRUCTURE

| ITEM | DESCRIPTION | QTY | UNIT | RATE Rs. Cts. | AMOUNT Rs. Cts. |
|--|---|------|----------------|------------------|--------------------|
| | <i>Bidder is advised to visit the above site prior to quote of bill of quantities to have the clear picture of the site conditions.</i> | Note | | | |
| | <i>All rates shall be included for supplying erecting and removing scaffoldings, and platforms.</i> | Note | | | |
| | <i>All rates shall be included for providing samples for approval of the Engineer.</i> | Note | | | |
| | <i>All rates shall included for preparation of surface, cleaning down and primary paint coats to obtain neat surface, sand papering etc.</i> | Note | | | |
| | <i>All rates shall included for protection of floors and fittings, removing door and window furniture and cleaning glass panes and door and window accessories.</i> | Note | | | |
| | <i>All rates shall be included for transporting materials within lotteries board premises.</i> | Note | | | |
| | <i>All rates shall be included for clearing away debris from lotteries board premises.</i> | Note | | | |
| | <u>2A - DEMOLITION WORKS</u> | | | | |
| 2A-1 | Removing and stacking existing racks at site including making good to walls & floors. | 22 | m ² | ..... | ..... |
| 2A-2 | Removing and stacking door frame with sash only up to 40 s.ft from existing walls. | 1 | Nr | ..... | ..... |
| 2A-3 | Removing and stacking partitions at site including making good to walls & floors. | 3.5 | m ² | ..... | ..... |
| Sub total for Demolition Works carried to summary |  |  |  |  | ..... |

| ITEM | DESCRIPTION | QTY | UNIT | RATE Rs. Cts. | AMOUNT Rs. Cts. |
|------|---|------|------|------------------|--------------------|
| | <p>3) Spectrometer Test</p> <p>4) Thickness of entiructions</p> <p>b) For the power coated</p> <p>1) Visual Comparison Test</p> <p>2) Glossness Test</p> <p>3) Test for thickness of coat</p> <p>4) Bending Test</p> <p>5) Cross Hatch Test</p> <p>6) Cupping Test</p> <p>Details of Aluminium Sections and accessories to be used if not specified separately.</p> <p><u>General</u></p> <p>Screws - Stainless Steel</p> <p>Rubber Beading - EPDM "Sunplast" or equivalent</p> <p>Silicon - "dow coningboss" or equivalent as approved by the Engineer</p> <p>for frame:</p> <p>(a) Single sashed/double sash single swing - 1.5mm mm thick 76x45/35mm section with built door stopper</p> <p>for Sash</p> <p>Doors - width of Top bar-80mm width of Middle bar-100mm width of Bottom bar-120mm module depth 45mm</p> <p>Glass</p> <p>6mm thick clear float glasses Gardian or equivalent for doors</p> <p>Panel - 4mm thick both side coated Aluminium composite board</p> <p>lock (if not separately specified) -VVP or equivalent with duplicate keys</p> <p>Butt Hinges - 03 nos Stainless Steel (304) butt hinges to be provided for a door sash if not separately specified</p> <p>Bar Hinge - 300mm Stainless Steel (304) bar hinges one pair for out sash.</p> | | | | |
| | | Note | | | |
| | | Note | | | |
| | | Note | | | |
| | | Note | | | |
| | | Note | | | |
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| | | Note | | | |
| | | Note | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE Rs. Cts. | AMOUNT Rs. Cts. |
|--|--|------|------|------------------|--------------------|
| | <u>Aluminium Doors</u> | | | | |
| 2B-1 | Supplying all materials, fabricating and fixing of Door, size 750mm x 2100mm , powder coated Aluminium framed fully panelled, single swing type single sash door as shown in the Drawing including all approved iron mongery | 3.00 | Nr | ..... | ..... |
| 2B-2 | Supplying and fixing Handle Pair I type "Magnum" Brand & model no "2512H" handle 300 mm long stainless steel door pull handle fixed complete to working order. | 3.00 | Nr | ..... | ..... |
| | | | | | - |
| Sub total for Metal Works carried to summary |  |  |  |  | ..... |
| | 2C - MECHANICAL INSTALLATION | | | | |
| | <u>MOBILE RACK INSTALLATION WORKS</u> | | | | |
| | <i>Load bearing capacity of the floor should be above 900kgs/m2 when the cupboard is fully loaded with box files (5kg per Box file) get the confirmation from the structural Engineer before the work.</i> | | | | |
| | <u>Mobile rack complete</u> | | | | |
| | <i>Each mobile Rack comprising the following</i> | | | | |
| | <i>03 Nos. 975mm Wide Cupboard with Center Partition & 5 compartments 15" apart on both side to hold 360 Nos. 3" wide Box Files.</i> | | | | |
| 2C-1 | 10'-3" x 2'-1" x 7'-2" H Mobile Rack complete | 14.0 | Nr | ..... | ..... |
| 2C-2 | 11'-0" x 2'-1" x 7'-2" H Mobile Rack complete | 7.0 | Nr | ..... | ..... |
| 2C-3 | 975 mm Door Pair | 9.0 | Nr | ..... | ..... |
| Sub Total of Mobile Rack Installation Works Carried Summary |  |  |  |  | ..... |

| ITEM | DESCRIPTION | QTY | UNIT | RATE Rs. Cts. | AMOUNT Rs. Cts. |
|------|--|-----|------|------------------|--------------------|
| | <p>2D - ELECTRICAL INSTALLATION</p> <p><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></p> <p><i>Except where specifically stated, all costs associated with provision of all holes, openings, chases, ducts and other builders' work required for installation and make them good, shall be included in the rates.</i></p> <p><i>Where reference is made to certain manufactures' products and items identified by registered trade marks, has been done for the sole purpose of defining and establishing standards of quality and performance and not with the intention of restricting the procurement of material or fitting to a particular manufacturer. However all equipment and material should meet the BS or an equivalent standard.</i></p> <p><i>Testing and commissioning of the electrical installation is to be carried out by the contractor and inspection report submitted according to the requirements of the power supply Authority.</i></p> <p><i>Electrical Items (MCB,RCCB etc.) should be of European/Japanese origin or to the BS or equivalent and items without an accredited agent in Sri Lanka shall not be accepted. Guarantee cards(Fans etc.) should be provided from accredited agent before installation.</i></p> <p><i>All the quantities given here are approximated values and Quantities may change with the actual installation at the site.</i></p> <p><i>All types of fittings, materials, painting and finishes shall be approved by the Engineer prior to installation.</i></p> <p><i>All panel boards and consumer units should have wire numbering and a laminated circuit diagram should be pasted on the inside surface of the door.</i></p> | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | RATE Rs. Cts. | AMOUNT Rs. Cts. |
|------|--|------|---------|------------------|--------------------|
| 2D-1 | <p>Modification for the Existing Distribution Board</p> <p>Allow Provisional Sum for the modification of the existing Distribution Board in the building, including supply, installation, testing and commissioning of 3 Nos 10A, 1P MCB & 3 Nos 16A, 1P MCB with suitable busbar connections, cable terminations, lugs, glands and all necessary accessories. The work shall be carried out without affecting the operation of the existing system and in accordance with the Engineer's instructions.</p> <p>All Circuit Breakers to be to the BS and European/Japanese origin.</p> <p>Light Fittings Supply and installation of the following light fittings. Light fittings shall be of high quality and shall be subjected to the approval of the Electrical Engineer prior to purchase. Accessories shall comply with relevant BS/IEC standards and Japanese/European or Sri Lankan make.</p> <p>LED lights shall have a minimum of 30,000hrs Average lifetime (burning hours) and shall be purchased from a reputed supplier. A manufacturing warranty requires more than three years.</p> <p>LED Light fitting shall be considered defective and needs replacement if the lumen output of the luminaire drops to 70% of its nominal output value or flicker condition.</p> <p>LED lamps shall be consistent with constant current integrated type driver. Minimum efficacy of LED light: 100lm/W</p> <p>All the accessories shall comply with the relevant British / IEC standards.</p> | | | | |
| | | | Pro.sum | | 25,000.00 |
| 2D-2 | <p>Supply and installation of suspended type 1200mm long single batten LED light fitting of 2000lm, 6500K, Life time = 25,000 hrs, CRI>80, efficacy > 90lm/W including cable termination and sealing the cable openings of the ceiling using clean room compactible sealant including all the necessary materials and accessories.</p> | 30.0 | nr | ..... | ..... |

| ITEM | DESCRIPTION | QTY | UNIT | RATE Rs. Cts. | AMOUNT Rs. Cts. |
|---|---|------|------|------------------|--------------------|
| | Wiring for Light Points Wiring shall be concealed in PVC conduits within the slab (non ceiling areas) or slab surface mounted (in ceiling areas) and within the walls or partition wall (on vertical plane) with required accessories of approved type and quality. Wiring of a Light points shall include supply of cables, required PVC conduits, bends and joints, end caps, flush switches, sunk boxes and all other material required for a high quality installation. (conduiting should be done at the time of laying the concrete slab and the brick work in non ceiling areas.) | Note | | | |
| 2D-3 | Light Point Wiring Wiring of a light point from the respective Distribution Board using 2 x 1C x 1.5mm ² Cu/PVC/PVC cables with 2.5 mm ² Cu/PVC earth wire drawn through concealed PVC conduits/PVC casing or, as applicable, controlled by a 10A flush switch. Conduits will be concealed PVC conduit / PVC trunking or PVC casing. PVC Conduits/PVC Casing/PVC trunking will be surface mounted or placed in the concrete or as applicable, but the same cost will apply. | 30.0 | nr | ..... | ..... |
| 2D-4 | Socket Outlets 13A Socket Outlets Supplying, installation of white colour 13A socket outlets on brick wall / partition wall /soffit / wall trunking with necessary accessories. | 12.0 | nr | ..... | ..... |
| 2D-5 | Socket Outlet Wiring 13A Socket Outlet Wiring Wiring (including supply of all material required) of 13A socket outlets using approved type 2.5 mm ² Cu/PVC/PVC, 2x1C cable & 2.5 mm ² earth cable drawn through securely fixed concealed/Surface PVC conduit / PVC casing. (Radial circuit) | 12.0 | nr | ..... | ..... |
| 2D-6 | Inspection and Testing - Electrical Installation Testing the installation and rectify any defects and submit a certificate by a Chartered Electrical Engineer. | 1.0 | Item | ..... | ..... |
| Sub Total of Electrical Installation Works Carried Summary |  |  |  |  | ..... |

| ITEM | DESCRIPTION | QTY | UNIT | RATE Rs. Cts. | AMOUNT Rs. Cts. |
|--|---|------|----------------|------------------|--------------------|
| | <u>2E - PAINTING</u> <i>Rates shall include for,</i> <i>The prices shall include for preparation of surface, cleaning down, use of wall fillers and primary paint coats to obtain neat surface., sand papering etc.</i> <i>Preparation of unplastered slab surfaces by grinding to make even, cleaning down the surfaces, patching up the cracks or to make up levels.</i> <i>Protection of Floors and fittings, removing door and window furniture, and cleaning window etc. upon completion.</i> <i>All weathershield/ Floor paints, primer shall be of approved make with non lead pigment.</i> <i>Rate to include for the cost for the scaffoldings.</i> <i>Paints shall have the internationally recognized green certification.</i> | | | | |
| 2E -1 | Painting walls with one coat of interior wall primer including preparing surface for interior application before application of emulsion paint. | 94.0 | m ² | ..... | ..... |
| 2E -2 | Painting walls with two coats of emulsion paint including preparing surface. | 94.0 | m ² | ..... | ..... |
| 2E -3 | Painting Slab soffits, Side of Beams with one coat of primer and one coat of emulsion paint including preparing surface. | 89.0 | m ² | ..... | ..... |
| 2E -4 | Preparing and painting old wood work with one coat of enamel paint. | 16.0 | m ² | ..... | ..... |
| Sub total for Structural Steel works carried to summary |  |  |  |  | ..... |
| 2F-1 | <u>2F - MISCELLANEOUS WORKS</u> Allow Provisional Sum for supply and Installation of Window blinds. | | Pro sum | | 50,000.00 |
| Sub total for Miscellaneous works carried to summary |  |  |  |  | ..... |

**RENOVATION OF RECORD ROOM WITH MOBILE RACK INSTALLATION
WORK
DEVELOPMENT LOTTERIES BOARD
BILLS OF QUANTITIES
SUB SUMMARY**

| BILL NO | DESCRIPTION | AMOUNT Rs. Cts. |
|------------------|-------------------------|----------------------------|
| 2A | DEMOLITION WORKS | ..... |
| 2B | METAL WORK | ..... |
| 2C | MECHANICAL INSTALLATION | ..... |
| 2D | ELECTRICAL INSTALLATION | ..... |
| 2E | PAINTING | ..... |
| 2F | MISCELLANEOUS WORKS | ..... |
| SUB TOTAL |  | ..... |

**RENOVATION OF RECORD ROOM WITH MOBILE RACK INSTALLATION WORK
DEVELOPMENT LOTTERIES BOARD**

**BILLS OF QUANTITIES
MAIN SUMMARY**

| Bill No | DESCRIPTION | AMOUNT | |
|-----------|----------------------------------|-------------------|-----|
| | | Rs | Cts |
| 1A | PRELIMINERIS | | |
| 2A | DEMOLITION WORKS | | |
| 3A | MECHANICAL WORKS | | |
| 4A | ELECTRICAL WORKS | | |
| 5A | PAINTING WORKS | | |
| 6A | MISCELLNEOUS WORKS | | |
| (a) | Sub Total 1 | | |
| (b) | Less: Provisional Sum | 163,000.00 | |
| (c) | Sub Total II (a-b) | | |
| (d) | Less: Discount if any (.....%) | | |
| (e) | Sub Total III (c-d) | | |
| (f) | Add : Provisional Sum (b) | 163,000.00 | |
| | TOTAL BID SUM WITHOUT VAT | | |

Total Bid Sum to be taken in to Form of Bid (Page No. 03) in words Rupees:
..... only.

Amount of V.A.T.(Prevailing VAT) for the Total Bid Sum :- Rs.
Bidder's VAT Registration No:

.....
Signature of Bidder

Name and Address of Bidder:

Date.....

.....
Signature of Witness (1)

.....
Signature of Witness (2)

Name and Address of Witness (1)

Name and Address of Witness (2)

Date.....

Date.....

SECTION - 07

BILL OF QUANTITIES & TECHNICAL SCHEDULE

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 the Bill of Quantities **including all overhead charges (excluding VAT), profit and Preliminaries** 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, 1999, 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 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.
8. 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.
9. 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.

10. 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.
11. Selected Bidder shall comply with the arrangement of work in the buildings and be ready to work part by part as required by the Authorities **Development Lotteries Board**, Union Place, Colombo 02.
12. Rates in the Bill of Quantities shall include all necessary materials such as cables, PVC conduits, PVC sunk boxes etc and labour required to complete the electrical installation to good working order.
13. Except where specifically stated, all costs associated with provision of all holes, openings, chases and ducts in other builders' work required for installation and make them good , shall be included in the rates.
14. Bidder should pay special attention to the work to be carried out, causing minimum disturbance or hindrance to the normal functions and activities of the users of the **Development Lotteries Board**, Union Place, Colombo 02. **Further, Water & Electricity for the Work shall be arranged by the Bidder.**
15. The Bills of Quantities should therefore, be priced to reflect all factors that would affect the bid and the progress of the works.
16. All electrical accessories should comply with relevant BS/IEC standards. For electrical accessories, manufacturer's guarantee should be produced if necessary.
17. The wiring installation shall comply with the requirements of IEE Wiring Regulations, latest edition.
18. Bidder should pay special attention to the work to be carried out, causing minimum disturbance or hindrance to the normal functions and activities of the users of the **Development Lotteries Board**, Union Place, Colombo 02.
19. Screens should be provided to prevent dust escaping from working areas.
20. 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 |
| m | - | Linear meter |
| kg | - | Kilogram |
| m ² | - | Square meter |
| m ³ | - | Cubic meter |
| nr | - | Number |
| Rs. | - | Sri Lankan Rupees |
| Cts. | - | Cents |
| Pro. Sum | - | Provisional sum |
| L. S. | - | Lump Sum |

TECHNICAL SCHEDULES

TECHNICAL SCHEDULE

BASIC PRICES OF MATERIALS AND LABOUR

In fixing the appropriate new rate, mark up for overhead and profit **16.0%** of the “basic cost” of such items. The Basic cost means cost of materials, labour and equipment.

In fixing such “Basic Cost” the engineer shall use the rate of labour as given below and for materials and equipment shall be used the prevailing market price.

| | |
|------------------------|--------------|
| Skilled Labour | -Rs.3,670.00 |
| Special Skilled Labour | -Rs.4,000.00 |
| Labour | -Rs.3,000.00 |

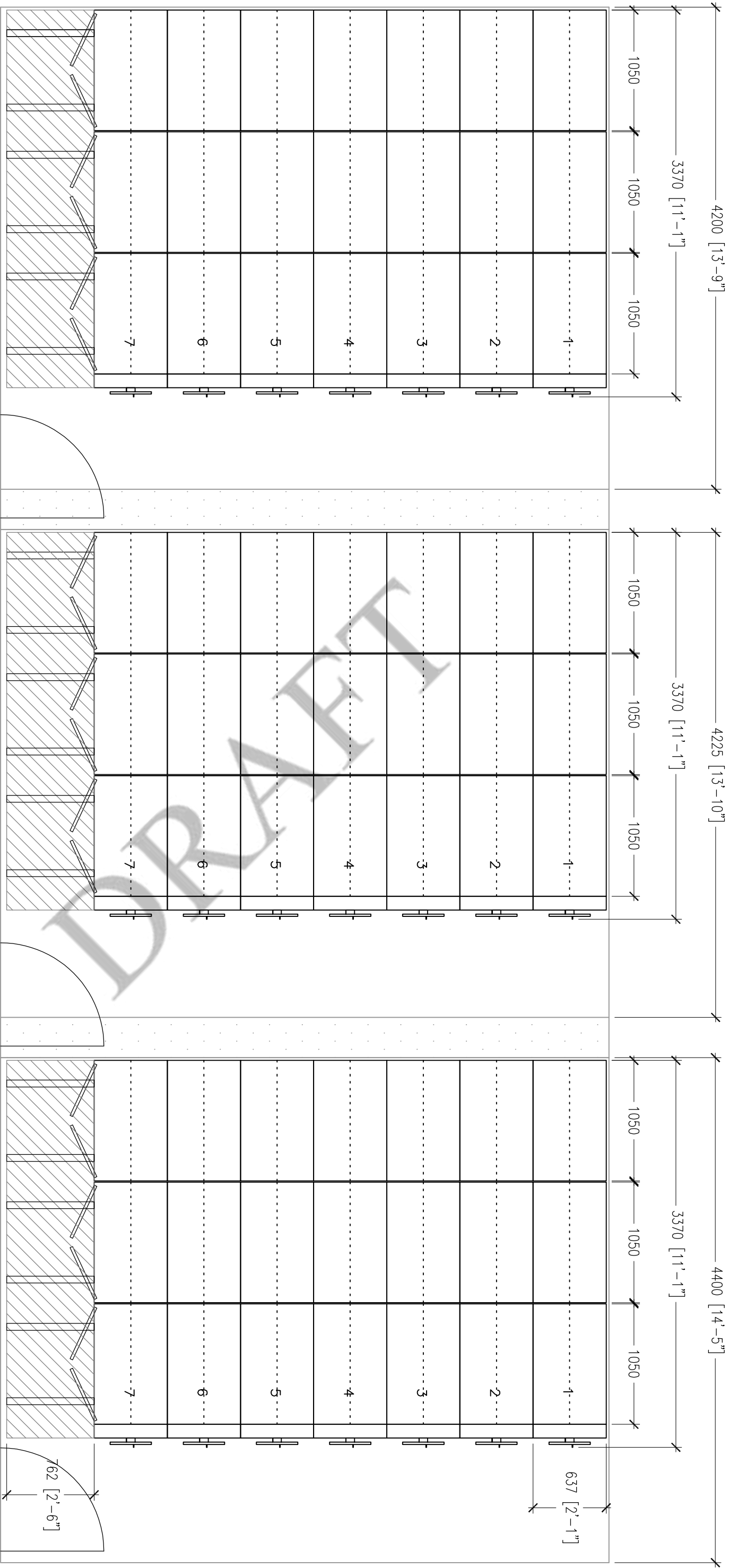
Profit and overhead - **16%**

Section - 8
DRAWINGS

List of Drawings

- 1.Interior Drawing
- 2.Electrical Drawing

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**TECHNICAL SCHEDULE - ELECTRICAL
LOTTERY BOARD**

| REF. | DESCRIPTION | UNITS | PARTICULARS | |
|------------|----------------------------------|-------|--|------------|
| | | | As specified | As offered |
| | Socket Outlets | | | |
| 1 | 13A Socket Outlets | | | |
| | Make | | Orange(X7/X8), Clipsal, ACL, Legrand or eq | |
| | Model | | | |
| | Country of origin | | Sri Lanka, France, Europe, Japan or eq | |
| | Rated current | A | | |
| | Rated service voltage | V | | |
| | Available colors for cover plate | | 1. White 2. Black | |
| | Applicable standard | | BS 1361 | |
| | Warranty | Years | | |
| | | | | |
| 2 | Switches | | | |
| | Make | | Orange(X7/X8), Clipsal, ACL, Legrand or eq | |
| | Model | | | |
| | Country of origin | | Sri Lanka, Europe, Japan or eq | |
| | Rated current | A | | |
| | Rated service voltage | V | | |
| | Available colors for cover plate | | 1. White 2. Black | |
| | Applicable standard | | BS 60669-1 | |
| | Warranty | Years | | |
| | | | | |
| 3 | Cables | | | |
| | | | | |
| 3.1 | PVC Cable | | | |
| | Make | | | |
| | Model | | | |
| | Country of origin | | Sri Lanka, Europe, Japan or eq | |
| | Type | | Cu/PVC/PVC | |
| | Designed current | A | | |
| | Cross-section area | mm2 | Please provide for the entire range | |
| | Number of cores | Nos. | Please provide for the entire range | |

| REF. | DESCRIPTION | UNITS | PARTICULARS | |
|------------|--|-------|---|------------|
| | | | As specified | As offered |
| | Number of cables | | | |
| | Insulation | | | |
| | Operating Voltage | V | | |
| | Voltage drop | % | | |
| | Method of Installation | | PVC casing | |
| | Applicable standard | | BS 6004 | |
| | | | | |
| 3.2 | Earth Cable | | | |
| | Make | | | |
| | Model | | | |
| | Country of origin | | Sri Lanka, Europe, Japan or eq | |
| | Type | | Cu/PVC/Earth | |
| | Designed current | A | | |
| | Cross-section area | mm2 | Please provide for the entire range | |
| | Number of cores | Nos. | 1 | |
| | Number of cables | | | |
| | Insulation | | | |
| | Operating Voltage | V | | |
| | Voltage drop | % | | |
| | Method of Installation | | PVC casing | |
| | Applicable standard | | BS 6004 | |
| | | | | |
| 4 | Light Fittings | | | |
| 4.1 | 1200mm Suspended type long batten LED type 2000 lumen light output light fittings | | | |
| | Make | | | |
| | Model | | | |
| | Country of Origin | | | |
| | Material | | 24 gage sheet steel/ polycarbonate | |
| | Finish | | White colour, Smooth finish, with air tide seal cover | |
| | Lamp | | LED | |
| | Reflector | | | |
| | Diffuser | | Opal acrylic / Polycarbonate Diamond | |
| | Dimension | | | |
| | Light Output | Lumen | >=2000 | |
| | Color temperature | K | 6500 | |

| REF. | DESCRIPTION | UNITS | PARTICULARS | |
|------|---------------------|-------|--------------------------------|------------|
| | | | As specified | As offered |
| | Color Rendering | % | >80 | |
| | Weight | kg | | |
| | Voltage | V | 230 | |
| | Frequency | Hz | 50 | |
| | Applicable standard | | IES LM-79-08 / IES LM-80-08 | |
| | Ingress protection | IP | 20 | |
| | Warranty | | 2 years | |
| | | | | |

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