

**INFORMATION & COMMUNICATION TECHNOLOGY
AGENCY OF SRI LANKA (ICTA)**

**REFURBISHMENT WORKS OF PROPOSED ICTA
OFFICE BUILDING AT COLOMBO 3**

IFB Number: ICTA/GOSL/WORKS/NCB/2021/01

BIDDING DOCUMENT

EMPLOYER :

ICTA

**160/24, Kirimandala Mawatha,
Colombo 05.**

ENGINEER :

SURATH WICKRAMASINGHE ASSOCIATES

**NO.65, WALUKARAMA ROAD,
COLOMBO 03.**

MARCH 2021

REFURBISHMENT WORKS OF PROPOSED ICTA OFFICE BUILDING

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INVITATION FOR BIDS



Information and Communication Technology Agency of Sri Lanka (ICTA) Invitation for Bids (IFB)

Refurbishment of Proposed ICTA Office Building

at No. 490, R.A. De Mel Mawatha, Colombo 03

IFB Number: ICTA/GOSL/WORKS/NCB/2021/01

1. The Chairman, Department Procurement Committee (DPC), on behalf of ICTA, now invites sealed bids from eligible bidders for Refurbishment of Proposed ICTA Office Building at No. 490, R.A. De Mel Mawatha, Colombo 03. The work consists of Refurbishment and Interior works, Supply of Furniture & Fixtures, M&E works, etc. The estimated cost for the proposed refurbishment work Rs. 130 million and total refurbishment period shall be 03 months.
2. Bidding will be conducted using the National Competitive Bidding (NCB) procedure as defined in National Procurement Guidelines and is open to all eligible Bidders.
3. To qualify the Contract award, the Bidder shall not have been blacklisted and shall meet the following minimum requirements.
 - i. Registered with the Construction Industry Development Authority (CIDA) for grade C3 or C4 in the field of Building Construction or SP1 in Interior Works.
 - ii. Average of the annual turnover of construction work performed in the last five years shall be at least Sri Lankan Rupees 200 million.
 - iii. Bidder should have successfully completed at least one Interior Project in similar nature which valued minimum Sri Lankan Rupees 100 million during last five years.
4. Interested eligible bidders may obtain further information from Director – Procurement of ICTA 160/24, 2nd Floor, Kirimandala Mawatha, Colombo 05, on Telephone: 011 2369099, email: procurement@icta.lk from March 22, 2021. Bidding documents for inspection purpose are available on ICTA Website (<https://www.icta.lk/procurement/>).
5. A complete set of Bidding Documents in English Language may be purchased by interested Bidders on submission of a written application and upon payment of a non-refundable fee of Rs. 25,000.00 effective from March 22, 2021 on working days from the office of the ICTA during office hours at the address given in paragraph (4) above. The method of payment will be by cash.

6. Bids must be delivered to the address given in paragraph (4) on or before **11.00 a.m. April 12, 2021**. Bids will be opened immediately after the deadline of bid submission in the presence of the bidders' representatives, who choose to attend at the address given in paragraph (4) above, at **11.00 a.m. April 12, 2021**. All bids must be accompanied by a Bid-Security in the form of bank guarantee of not less than **Sri Lankan Rupees One Million Three Hundred Thousand (LKR 1,300,000.00)**. Late Bids and Bids sent electronically will not be accepted and will be rejected.
7. Site visit and Pre – Bid meeting will be held at 0930 hrs on 29th March 2021 at No. 490, R.A. De Mel Mawatha, Colombo 03.

Chairman,
Department Procurement Committee
Information and Communication Technology Agency of Sri Lanka
160/24, 2nd Floor,
Kirimandala Mawatha
Colombo 05
March 21, 2021

VOLUME I

EXPLANATORY MEMORANDUM

VOLUME – I

REFURBISHMENT OF PROPOSED ICTA OFFICE BUILDING

EXPLANATORY MEMORANDUM

This Bidding Document is prepared using Standard Bidding Document - Procurement of Works – Major Contracts (CIDA/SBD/02 – Second Edition – January 2007) including addendum 01 issued in October 2009 as published by Construction Industry Development Authority (CIDA).

The Bidding Document consist of Volume 1 and Volume 2

Volume 1 Consist of;

Section 1: Instructions to Bidders

Section 3: Conditions of Contract

Section 5: Standard Forms (Contract)

Volume 2 Consist of;

Invitation for Bids

Section 2 – Bidding Data

Section 4 – Contract Data

Section 6 – Specifications

Section 7 – Form of Bid

Section 8 – Bills of Quantities

Section 9 – Schedules

Section 10 – Drawings

Section 11 – Standard Forms (Bid)

Volume 1 is not issued with this Bidding Document and is available for purchase from the Construction Industry Development Authority, 'Savsiripaya', 123, Wijerama Mawatha, Colombo 7.

VOLUME II

SECTION - 2

BIDDING DATA

Note:

This section shall be read in conjunction with Section I – Instructions to Bidders, and is intended to provide specific information in relation to corresponding clauses in Section I. Whenever there is a discrepancy, the provisions in Section 2 – Bidding Data shall supersede those provided in the Section I - Instructions to Bidders.

Bidding Data**Clause
Reference****1.1****Employer's Name and Address**

Name: **Information and Communication Technology Agency of Sri Lanka (ICTA)**

Address: **160/24, Kirimandala Mawatha, Colombo 05.**

1.1**Scope of Works**

The works consist of Refurbishment works, Interior decorations including floor & ceiling finishes, glass & gypsum partitions, wall decorating, Building Services including Electrical, Plumbing, ELV, HVAC work and supply of furniture & fixtures of the proposed office building of the ICTA as described in the Bill of Quantities, Drawings and Specification (Approximate Floor Area - 3024 m2).

Site Located at: No. 490, R.A. De Mel Mawatha, Colombo 03

1.2**Time for Completion**

The Time for Completion for the whole of works shall be 03 months from the start date.

Phase	Description	Time for Completion from the Start Date
Phase - 1	1 st , 2 nd and 4 th Floors	30 Days
Phase - 2	3 rd , 5 th and 6 th Floors	60 Days
Phase - 3	Ground and Mezzanine	70 Days
Phase - 4	Completion	90 Days

2.1**Source of funds**

The source of fund is GOSL.

4.1**Qualification Information**

The following information shall be provided in Section 9- Schedules:

- CIDA registration
Registration number
- Grade
- Specialty
- Expiry Date
- VAT registration number:
- Attach Construction Program
- Attach legal status (Sole Proprietor, Partnership, Company Etc.)
- Total monetary value of construction work performed for each of the last five years
- Auditor's report for the past five years
- Experience in works of a similar nature and size for each of the last five years
- Construction Equipment
- Staffing
- Attach Work plan and methods;

4.1(c) Furthermore, the Bidder shall provide the followings requirements;

Detail of work in hand of the bidder with a statement showing the value of existing contractual commitments and on-going works as well as stipulated period of completion remaining for each of the works.

4.2 (a) CIDA registration required

The Registration required;

Aluminium & Finishes (A&F)
Floor, Wall & Ceiling Finishes (FW&C)
Carpentry & Joinery (Carp)
Furniture, Fittings & Equipment (FF&E)
Grade – SP1 or
C3 or C4 in Building Construction

4.2(b) Average of the annual volume of construction work performed in last 5 Years

Average of the annual volume of construction work performed in last five years shall be at least Sri Lankan Rupees Two Hundred Million (Rs. 200 million)

4.2(c) Bidder should have successfully completed at least one Interior Project in similar nature which valued minimum Sri Lankan Rupees 100 million during last five years

4.2(d) Essential Equipment

Proposals for the timely acquisition (own, lease, hire etc.) of the following essential equipment shall be;

1. Concrete Breaker
2. Welding Plant

4.2(e) Qualification and Experience of the Contract Manager

Full time Site Engineer with BSc Engineering (Civil) 05 years' experience in Building Construction or National Diploma in Civil Engineering with 08 years' experience in Building Construction

and

Full time Technical officer with National Diploma in Engineering and 05 years' experience in Building Construction or NCT with 10 years' experience in Building Construction or approved equivalent qualification acceptable to Employer.

4.2(f) Liquid assets and/or credit facilities required

The minimum amount of liquid assets and/or credit facilities, net of other contractual commitments and exclusive of any advance payments which may be under the Contract, shall be not less than Rupee 20 million.

5.0 Joint Venture

Joint ventures are not allowed.

10.1 Clarification of Bidding Documents

Clarification of the Bidding Document may notify in writing or email to the Employer.

Employer's address for clarification of bidding documents is:

Name of Officer: Director - Procurement
Address: ICTA,
160/24, Kirimandala Mawatha,
Colombo 05

Phone: +94 11 2369099
email: procurement@icta.lk

Employer will only respond to the clarifications that received 7 days prior to the Deadline of Submission of the Bid

14.4 Adjustments for change in cost

The Contract is not subjected to price adjustment

16.1 Period of Bid validity:

The Bids shall be valid up to 09th August 2021.

17.1 Amount of Bid Security

The amount of Bid Security is Sri Lanka Rupees one million three hundred thousand (LKR 1.3 million) from a reputed bank operating in Sri Lanka. The format of the bid security should be in accordance with the specimen form of bid security included in the bidding document.

17.2 Validity of Bid Security

Bid security shall be valid up to **06th September 2021**

19.1 Pre – bid Meeting

Pre-Bid Meeting will be held

Date: 29th March 2021
Time: 09.30 AM.
Venue: No. 490, R.A. De Mel Mawatha, Colombo 03

21.2 (a) Address for Bid submission

Address for the purpose of bid submission is:

Chairman,
Department Procurement Committee,
ICTA, 160/24, Kirimandala Mawatha, Colombo 05.

21.2 (b) Name of the Contract

Refurbishment of Proposed ICTA Office Building at No. 490, R.A. De Mel Mawatha, Colombo 03. **IFB Number: ICTA/GOSL/WORKS/NCB/2021/01**

22.1 Deadline for Submission of Bids

Deadline for Submission of Bid 12th April 2021 on or before 11.00 a.m.

25.1 Bid opening

Bids will be opened immediately after the closing of Bid

35.1 Amount of Performance Security

The Standard Form of Performance Security acceptable to the Employer shall be a guarantee from a licensed commercial bank operating in Sri Lanka using the Form of Performance Security (unconditional) in Section 5 – Standard Forms (Contract).

The amount of Performance Security is 5% of the initial Contract Price.

The Performance Security Shall be valid until 28 days beyond the expected completion date.

37 Fees and types of reimbursable expenses to be paid to the Adjudicator shall be on a case-to-case basis and shall be shared equally by the Contractor and the Employer.

SECTION - 4

CONTRACT DATA

Note:

This Section shall be read in conjunction with Section 3 – Conditions of Contract and is intended to provide specific information in relation to corresponding clauses in Section 3. Whenever there is a discrepancy, the provision in Section 4 – Contract Data shall supersede these provided in the Section 3 – Conditions of Contract.

Refurbishment of Proposed ICTA Office Building

at No. 490, R.A. De Mel Mawatha, Colombo 03

CONTRACT DATA

Note: *The clause numbers referred are the clause numbers of Conditions of Contract.*

**Conditions of
Contract Clause
Number/s**

1.1.2.2 & 1.3	Employer's name and address	Name: Information and Communication Technology Agency of Sri Lanka (ICTA) Address: No 160/24, Kirimandala Mawatha, Colombo 05
1.3	Contractor's name and address	Name: Address:.....
1.1.2.4 & 1.3	Engineer's name and address	Name: Surath Wickramasinghe Associates Address: No 65, Walukarama Road, Colombo 3.
1.1. 3.3	Time for Completion of the Works	Time for Completion for the whole of works shall be Three months from the start date.

Phase	Description	Time for Completion from the Start Date
Phase - 1	1 st , 2 nd and 4 th Floors	30 Days
Phase - 2	3 rd , 5 th and 6 th Floors	60 Days
Phase - 3	Ground and Mezzanine	70 Days
Phase - 4	Completion	90 Days

1.1.3.7	Defects Notification Period	Defects Notification Period is 365 Days from the date of successfully completion of the whole works (from the date of Completion Certificate).
2.1	Right to access to the Site	Within 03 Days from the date of letter of Acceptance
3.1	Engineer's Duties and Authority	The Engineer shall obtain the specific approval of the Employer before taking action under the following Sub-Clauses of these Conditions: (a) Clause 13, where the final effects of the variations increase the Contract Price

4.2	Amount of Performance Security	<p>5% of the Initial Contract Price, in the currencies and proportions in which the Contract Price is payable.</p> <p>The Standard Form of Performance Security acceptable to the Employer shall be a guarantee from a licensed commercial bank operating in Sri Lanka using the Form of Performance Security (unconditional) in Section 5 – Standard Forms (Contract).</p> <p>The Performance Security Shall be valid until 28 days beyond the expected date of completion.</p>
8.1	Date of Commencement	Date of Commencement (Start Date): 7 dates from the Date of Acceptance
8.7	Liquidated damages for the Works	In the event the contractor fails to complete the works by the date of completion as per the contract completing all levels & areas in time to be ready to take over by client, the contractor shall pay the Client liquidated damages at the daily rate of 0.05% from the Initial Contract Price for each of the day of delay in completion of work as per the schedule given in 1.1.3.3.
8.7	Maximum amount of Liquidated damages for the Works	10% of the Initial Contract Price
13.4(b)	Percentage for adjustment of Provisional Sums	10%
14.2	Total Advance Payment	20% of the Initial Contract Price excluding provisional sums and contingencies. The Bank Guarantee must be irrevocable, unconditional and cashable on first Written Demand by Employer and from a Licensed Commercial Bank operating in Sri Lanka and the format shall be the Form of Advance Payment Security given in Section 5 - Standard Forms (Contract)
14.3(c)	Percentage of retention	Ten percent (10%)
14.3(c)	Limit of Retention Money	5% of the Initial Contract Price. 50% of the limit of retention (i.e. 2.5% of price of Initial Contract Price) to be held at the handover of Contract work will remain unpaid as retention until the end of defects liability period.
14.5	Minimum amount of Interim Payment Certificates	Rupees Fifteen million (Rs. 15 million)

14.8	Alternative method for Payment of Retention	On reaching the limit of retention, stated in the Contract Data under Sub-Clause 14.3, the Contractor may substitute full retention money with an unconditional guarantee acceptable to the Employer to a value equal to the full retention money, and valid up to 28 Days beyond the end of Defect Notification Period. On receipt of such guarantee the Employer shall repay the full retention money. The guarantee will be released to the Contractor upon the certification of the Engineer that all Defects notified by the Engineer to the Contractor before the end of this period have been corrected.
18.2	Third Party Insurance	<p>The amount of insurance is as follows:</p> <p>a) In respect of bodily injury per event – Rs. 1,000,000.00 per person – Rs. 2,000,000.00 number of occurrences – unlimited</p> <p>b) In respect of property damage per occurrence – Rs. 10,000,000.00 number of occurrences - unlimited</p>

SECTION 6
SPECIFICATIONS

SPECIFICATIONS

The Specifications consist of Part -I General specifications and Part –II - Particular Specifications

PART I – GENERAL SPECIFICATIONS

The General Specifications are the following specifications as published by the Construction Industry Development Authority (CIDA), Sausiripaya, 123, Wijerama Mawatha, Colombo 07.

1. Specification for Building Works - Volume I (CIDA Publication No. SCA/4/1- 3rd Edition (revised) July 2004)
2. Specification for Building Works – Volume 2 (CIDA Publication No. SCA/4 – (Volume II) October 2001)
3. Specification for Water Supply, Sewerage and Storm Water Drainage Works, Sri Lanka (CIDA Publication No. SCA 3/2 revised edition – April 2002)
4. Specifications for Electrical & Mechanical Works CIDA Publication No SCA/8 Second edition (Revised Edition August 2000) and Fire Alarm System associated with CIDA Publication No. CIDA/DEV/14

These publications are not issued with the Bidding Document. If Bidder / Contractor does not already possess copies, those may be purchased from the CIDA.

PART II – PARTICULAR SPECIFICATION

Preamble

The following Particular Specifications will supplement the General Specifications. Where there is any ambiguity or discrepancy between the Particular Specifications and the General Specifications, the requirements of Particular Specification shall prevail.

GENERAL REQUIREMENTS

1. Standards, Codes & Regulations:

Standards referred to in the specifications are establishing the minimum quality of work.

In the absence of any definite provisions in the specifications on any particular issue as the standards, reference shall be made to the latest codes of SLS, BS/BSEN, CIDA, ISO and ASTM in this order of sequence. Where these are unhelpful for the execution and completion of the works, the relevant tests shall conform to sound engineering practice and in case of any dispute arising out of the interpretation of the above, the decision of the Employer/Engineer shall be final and binding on the contract.

Where any conflict exists between the standards in relation to the other documents forming part of Contract, the more stringent requirement shall prevail.

Compliance with standards shall not relieve, the Contractor of his responsibility for the fitness of the works for climatic and other conditions prevailing on the Site.

2. Regulations:

All official local regulations applicable on the Works have to be followed by the Contractor. In case of any conflict, Contractor shall notify the Engineer, whose ruling shall prevail.

3. Manufacturers & Trade Names:

Where manufacturers or trade names or maker's catalogue numbers are mentioned in specifications or drawings, the reference is intended only as a guide to the type, quality and technical specification of the article or material required.

4. Local Authorities and Parties Concerned:

The Contractor shall work in close co-operation with all local authorities and parties concerned into the Works.

The Contractor shall be aware of and observe any local or statutory law, or/and regulations affecting the works, unawareness of such laws or regulations will not be considered as a reason for claim or for any extension of time.

5. Site / Access to Site

The Site area will be restricted within the boundaries marked on the Site plan. In case the Contractor requires any additional stockyards, or the like, he shall make arrangements to provide same at his own expense.

Access to Site is under the responsibility of the Contractor. The Contractor shall observe all rules and regulations regarding the use of public access roads or providing his own access roads and shall construct his own access roads if necessary. The Contractor shall save harmless and indemnify the Employer and the Engineer in respect of all claims, demands, proceedings, damages, costs, charges, and expenses whatever arising out of or in relation to any such operation or interference.

6. Fencing:

The Site area shall be isolated by means of a hoarding or a fence with adequate access gates. Hoardings or fence detail shall meet the approval of the Engineer in respect of its materials, heights, gates etc. and the general appearance and safety to the users of the Site & adjoining areas.

7. Sign Board:

A sign board shall be erected in a location directed by the Engineer. This sign board shall be large enough to indicate the name of the Project, names of the Employer, the Engineer, and the Contractor.

Advertisement other than the above mentioned sign board, will not be allowed without the Engineer's approval.

8. Traffic Arrangement:

The Contractor shall ensure that all his construction traffic do not affect the routine operations in the vicinity.

9. Site Administration:

The Contractor shall set-up a capable, efficient, experienced and well-qualified project management team for proper execution and timely completion of the Works. The team shall be as proposed in the proposal by the contractor. However, should be approved by the Employer during the contract negotiations and by the Engineer during construction. All advanced project management techniques shall be utilized for the completion of the Works within the strictly limited period. Necessary members of the Contractor shall be located at the site.

The Contractor's financial management system shall have to work very efficiently for timely completion of the Contract within the strictly limited period as stipulated in the Contract Documents. The Contractor shall set-up his financial management and site accounting team by employing a necessary number of well qualified and well experienced cost engineers / quantity surveyors, technicians etc. Contractor shall submit the valuations on time, in accordance with Contract

No visitors to the Site are permitted without written permission of the Employer or the Engineer.

10. Security:

The Contractor shall provide all necessary security to the Site including all materials, equipment and temporary facilities. The security arrangements shall be in force around the clock. The Site shall have sufficient lighting to facilitate the security arrangement.

11. Safety:

The Contractor shall be entirely responsible and shall allow for all costs to be incurred for the safety of the Site, adjoining buildings, workmen, the Employer and his staff, the Engineer and his staff, the Engineer's Representative and his staff and other personnel.

The Contractor, within 14 days of the receipt of letter of acceptance shall submit his safety proposal to the Engineer for his approval.

The safety rules, regulation and laws of Peoples Republic of Sri Lanka, and connected regulations to complete all works, partial licenses, overall licenses connected to the construction works shall be used as general reference during the Works.

The Contractor shall have an officer among his staff in the office dealing only with the tasks regarding the safety and protection against accidents of all staff and labour as well as the staff, equipment, offices and other facilities of the Engineer and the Employer on the Site. This Officer shall be qualified for this work and shall have the authority to issue instructions and shall take

protective measures to prevent accidents and shall deploy a team specifically set up by the Contractor for these purposes.

At locations where construction machines operate such as cranes, etc., necessary and proper warning signs and lights shall be provided and maintained for the duration of construction.

Due precautions shall be taken by the Contractor, and at his own cost, to ensure the safety of his staff and labor in addition to the staff, equipment, offices and other site facilities of the Engineer and the Employer, and in collaboration with and to the requirements of the local health authorities, to ensure, that medical staff, first aid equipment and stores, sick bay, are available on the site and at the office at all times throughout the period of the Contract and that suitable arrangements are made for the prevention of epidemics and for all necessary welfare and hygiene requirements.

12. Diary/Log Book:

The Contractor shall maintain throughout the life of the construction, a diary to enter up to date recordings of Site activities and this has to be made available for the Employer/the Engineer/the Engineer's Representative for the inspection. This diary shall have a space for the Engineer/ the Engineer's Representative to issue site instructions. The diary shall be in the form of triplicate tare-off book and Duplicate Set shall be submitted to the Engineer with a copy to the Engineer's Representative at monthly intervals.

13. Progress Reports:

The Contractor shall submit monthly progress reports to the Engineer in a format approved by the Engineer.

The Engineer shall receive a monthly work progress report in form of CD format from the Contractor within the first ten (10) days of the month following the month during which the works are carried out.

The Contractor shall clearly indicate but shall not be limited to include in the Monthly Work Progress Report the procured materials, machinery / equipment and labour, divergences from the approved work schedule and other facts as deemed necessary. If there are any divergences in the Work Schedule, the causes shall be clearly indicated and whether or not such divergences cause any delays shall be stated. If there are delays according to the approved Work Schedule, then the causes of these delays shall be indicated and documented. Furthermore, if there are any delays, the Contractor shall provide information in his report on the measures he intends to take in order to compensate for the said delays.

The Contractor shall be responsible for the supply of the necessary construction photographs. During the progress of the work, the Contractor shall ensure that the necessary number of pictures (minimum 30 pictures) are taken which should give a sufficient record of the activities undertaken on the site and shall submit them together with the Monthly Work Progress Reports.

14. Site Meeting:

The Engineer will hold site meetings monthly. The Contractor shall make arrangement to be present at these meetings, together with all related personnel and there should be a representative who can take decisions on behalf of the Contractor.

Confirmed minutes of the site meetings will be taken as instructions given by the Engineer and undertakings by the Contractor at site meetings shall construe as written undertakings by the Contractor in relation to the Contract.

15. Contractor's Staff & Office Facilities:

Contractor shall maintain adequate office facilities at the site area. He shall be responsible for providing adequate hygienic conditions, electricity and lighting, sufficient office furniture and drinking water.

16. Water for Construction:

The Contractor shall make his own arrangements to have adequate water supply required for the Project. Contractor shall make necessary arrangements with the authorities for the temporary connection. Contractor shall also provide necessary storage and distribution etc., within the site area.

17. Electricity for the Site:

The Contractor shall make his own arrangements to provide adequate electricity supply for the Works as well as other needs such as lighting etc. He shall make arrangements with the relevant authorities for the temporary supply, necessary distribution lines etc.

18. Protection of Works:

The Contractor shall protect the Works from the damages caused by weather, dust or any other means.

Works, if affected, shall be made good by the Contractor at his own cost.

19. Schedules & Shop Drawings:

Bar bending schedules, shop drawings & any other schedules and drawings necessary for the Works shall be prepared by the Contractor.

A program for the preparation of the materials and equipment shop drawings shall be submitted together with the first Work Schedule. The dates of the shop drawings to be submitted for the Engineer's review and the dates the drawings are to be returned in order to ensure that a particular work segment does not start later than the programmed work start date, shall also be indicated for each item. Sufficient time shall be allowed for the first review, revision, resubmittal and final examination of each shop drawing.

20. Record (as built) Drawings:

Prior to handing over of the Works, Contractor shall prepare and submit record (as built) drawings including Operation and Maintenance Manuals for all services, for his approval prior to handing over of the building.

On obtaining the Engineer's approval, he should submit 2 sets of record (as built) Drawings (hard copies and soft copies) to the Employer and one set to the Engineer.

21. Samples:

Samples of all materials, items or parts as may be called for by the Engineer shall be submitted when required by him and shall, if selected and approved, be retained during the course of the work by the Engineer.

Samples shall be submitted well in advance to allow (fourteen) days for approval procedure. No action for ordering shall be started before approval has been obtained from the Engineer.

All materials, components, items or parts subsequently purchased for use in the Works must be identical in every respect to the sample selected and approved.

The Contractor shall allow for preparing sample areas of all finishes (floor, wall & ceiling) including painting for approval by the Engineer.

22. Testing:

Where BS tests are stipulated in the Specifications the equivalent ASTM or AASHTO test method may be substituted with the approval of the Engineer.

The abbreviations ASTM, BS and SLS shall be considered to have the following meaning:

ASTM : American Society of Testing and Materials
BS/ BSEN : British Standard
SLS : Sri Lanka Standard

Testing samples of materials and equipment described in the Specification or standards and codes as being required to be tested or selected for testing by the Engineer, shall be provided by the Contractor. Every test shall be carried out by a laboratory approved by the Engineer. The Contractor must allow for such testing and related costs.

The testing certificates shall be submitted to the Engineer in duplicate.

The Engineer may at any time during the progress of the Works, select materials or components for testing to ensure that the optimum level of quality is maintained throughout the Contract.

23. Operating and Maintenance Instructions:

The Contractor shall, latest before issue of the Taking-Over Certificates submit to the Engineer 3 (three) copies of all operating and maintenance Instruction and manuals in respect of supplied materials, equipment and systems as specified and/or deemed necessary by the Engineer. These documents shall contain complete instructions for overall operation and maintenance of the facility or equipment and its component parts.

24. Construction Documents

In the first month of the construction period the Contractor shall precisely examine all project and documents within the scope of the Contract and in case of a determination of incompleteness and/or incoherency (if exists) for restraining the works to be completed on time, in order to compensate the effects of this incompleteness and incoherency, within 30 days from the commencement date of work, the Employer and the Engineer shall be informed about this incompleteness and incoherency.

25. Precautions and making good to damages to existing utilities, Installations, Land etc:

The Contractor shall make good, at his own expense, all damages to telephone, telegraph and electric cables or wires, sewers, water or other pipes except where the Authority, Employer or Private party owning or responsible for the same selects to make good the damage at the cost of the Contractor.

26. Method of Construction

Work plan and methodology, formwork elements and equipment shall be as proposed and approved by the Engineer during Construction. Such approvals shall not relieve the Contractor of his contractual obligations for proper execution and timely completion of the Works to the satisfaction of the Engineer.

27. Programme of Work / Work schedule

The Works within the terms of the Contract shall be shown individually in the work program according to the names and production numbers used in the project. Furthermore, in the work program the mobilization, the establishment of the site facilities, the surveys, setting-out of the Works and the production/approval of the manufactured items, material samples and approvals according to the needs of the Engineer shall be shown, as separate activities.

Contractor shall prepare and submit the Work Schedule to the Engineer under the following principles in CPM (Critical Path Method) using format showing all the works to be carried out within

the context of the project, and the time specified in the contract, and shall obtain the consent of the Employer and the Engineer.

28. Nominated Sub – Contract facilities

Contractor shall provide office, accommodation, work shop stores and other required facilities to Nominated Sub-Contractors.

DEMOLITION

General

1. Submittals

- 1.1. Submit Pre-Demolition Survey, whenever structural integrity of building components may be compromised or when structure is to be completely demolished.
- 1.2. Methodology / demolition plan for controlled demolition and removal procedure for demolished materials shall be submitted for the Engineer's approval. Use such methods as required to complete work indicated on Contract Drawings and minimize disturbance to Employer's normal operations.

The proposed procedures for the accomplishment of the work, shall provide for safe conduct of the work, including procedures and methods to provide necessary supports, lateral bracing and shoring when required, careful removal and disposition of materials specified to be salvaged, protection of property and equipment which is to remain undisturbed, coordination with other work in progress, and timely disconnection or modification of existing utilities. The procedures shall include for a detailed description of the methods and equipment to be used for each operation and the sequence of operations.

Method of protecting existing equipment to be remained in the demolition area to be submitted. Proposals for temporary structures to be erected shall be given.

- 1.3. Proposed Dust-Control Measure: Submit statement or drawing that indicates the measures proposed for use, proposed locations, and proposed time frame for their operation. Identify options if proposed measures are later determined to be inadequate.
- 1.4. Schedule of Selective and Controlled Demolition Activities: Indicate the following:
 - a. Detailed Sequence of selective and controlled demolition and removal work, with starting and ending dates for each activity.
 - b. Interruption of utility services.
 - c. Coordination for shutoff, capping, and continuation of utility services.
 - d. Coordination of Employer's continuing occupancy of existing building and the using of existing services.
 - e. Coordination of M&E services provided for the existing building during the shifting of existing services and the equipment.
- 1.5. Inventory: After selective demolition is complete, submit a list of items that have been removed and salvaged.

2. Material ownership

Materials removed shall be the property of the Employer. Fittings, plant and equipment relevant to mechanical and electrical services including light fittings, fans, AC units and timber and metal /aluminium works such as, doors, windows, partitions, fixed and loose furniture, railings and finishes such as carpets, ceilings etc. shall be carefully removed stack / store in a safe place, protected, listed and handed over to Employer/Client. All the materials not required by the Employer and debris arising out of demolition shall be removed from site and shall be transported and disposed at dumping sites. It is the responsibility of the Contractor to find the dumping sites.

3. Utility services

Maintain existing utilities indicated to remain in service and protect against damage during demolition operations.

4. Preparation

- 4.1. Conduct demolition operations and remove debris in a manner to ensure minimum interference with roads, streets, walks, and other adjacent occupied or used facilities.
- 4.2. Conduct demolition operations to prevent injury to people and damage to adjacent buildings and facilities to remain.
 - a. Do not close or obstruct streets, walks, walkways, or other adjacent occupied or used facilities without permission from Employer / Engineer. Provide alternate routes around closed or obstructed traffic ways if required.
 - b. Provide temporary safety barricades, and/or other forms of protection and appropriate signs as required for safety and security.
 - c. Erect and maintain dust-proof partitions and temporary enclosures to limit dust or dust migration, and to separate areas from fumes and noise. The amount of dust resulting from demolition shall be controlled to prevent the spread of dust to surrounding area.
 - d. Provide and maintain interior and exterior shoring, bracing or structural support to preserve stability and prevent movement, settlement, or collapse of structures and adjacent facilities that are not part of demolition.
 - e. Provide acceptable temporary security barriers where physical security of buildings or fences is compromised due to demolition work.

5. Protection

5.1 Protection of Personnel

During the demolition work the contractor shall continuously evaluate the condition of the structure being demolished and take immediate action to protect all personnel working in and around the demolition site.

5.2. Protection of Structures

Contractor shall ensure that no elements determined to be unstable are left unsupported and shall be responsible for placing and securing bracing, shoring, or lateral supports as may be required as a result of any cutting, removal, or demolition work performed under this contract.

5.3. Burning

The use of burning at the project site for the disposal of refuse and debris will not be permitted.

5.4 Use of Explosives

Use of explosives will not be permitted.

5.5 Availability of Work Areas

The priority and sequence of demolition work shall be worked out with the Engineer.

6. POLLUTION CONTROLS

6.1 Pollution Control to be maintained at site to comply with the Acts and Regulations of the Central Environmental Authority of Sri Lanka.

Contractor shall submit the methods of Pollution Control for Engineer's Approval.

6.2. Dust Control: Use water, temporary enclosures, and other suitable methods to limit spread of dust and dirt. Comply with governing environmental-protection regulations.

- a. Disposal: Remove and transport debris in a manner that will prevent spillage on adjacent surfaces and areas. Remove debris from elevated portions of building by chute, hoist, or other device that will convey debris to grade level in a controlled descent and limit airborne particles.
- b. Cleaning: Clean adjacent structures and improvements of dust, dirt, and debris caused by selective demolition operations. Return adjacent areas to condition existing before selective demolition operations began.

7. Execution

7.1. General:

- a. Perform work in safe and systematic manner.
- b. Wear proper personal protective equipment at all times.
- c. Protect existing structures and equipment to be remained.
- d. Protect existing service lines to be remained and Seal off where required.
- e. Remove existing structures including grubbing up foundations to facilitate new construction.
- f. Use water as necessary to lay dust when chipping, coring, or sawing concrete, masonry or similar materials. Water must be controlled inside buildings by damming, mopping or vacuuming. Prevent water from entering under floor electrical ducts.
- g. Completely backfill below-grade areas and voids resulting from utility removal and other demolition work.
- h. Carefully remove the plant and equipment to be relocated using crane or hoisting device if and where necessary.
- j. Demolish and remove existing construction only to the extent required. Use methods required to complete the Work within limitations of governing regulations and as follows:
 - i. Proceed with selective demolition systematically, from higher to lower level. Complete selective demolition operations above each floor or tier before disturbing supporting members on the next lower level.
 - ii. Cut or drill from the exposed or finished side into concealed surfaces to avoid marring existing finished surfaces.

- iii. Maintain adequate ventilation when using cutting torches.
- iv. Remove decayed, vermin-infested, or otherwise dangerous or unsuitable materials and promptly dispose of off-site.
- v. Remove structural framing members and lower to ground by method suitable to avoid free fall and to prevent ground impact or dust generation. Remove demolished RCC works and other steel structural materials using a crane or hoisting device, and debris from roof or other above-grade location through enclosed chute or bundle, and lower by hand or with hoisting device.
- vi. Locate selective demolition equipment and remove debris and materials so as not to impose excessive loads on supporting walls, floors, or framing.
- vii. Dispose of demolished items and materials promptly.
- viii. Return elements of construction and surfaces that are to remain to condition existing before selective demolition operations began.
- I. Concrete: Demolish in sections. Cut concrete full depth at junctures with construction to remain and at regular intervals, using power-driven saw, then remove concrete between saw cuts.

8. Disposal of demolished materials

- 8.1. General: Promptly dispose of debris, rubbish, and other materials resulting from building site demolition operations.
- 8.2. If Contractor encounters material during removal that is suspected to be potential hazard, stop work immediately and notify the Engineer.
- 8.3. Employer shall determine the salvageable items, if not indicated in Contract documents.
- 8.4. Dispose demolished materials off site. Demolished materials, debris and rubbish shall be removed and transported in a manner that prevents spillage on streets or adjacent areas. Local regulations regarding hauling and disposal shall apply. It's the responsibility of the Contractor to find suitable dumping sites and to obtain necessary approvals from the relevant authorities.
- 8.5. Any salvage materials instructed by Engineer / Employer, to be handed over to the Employer shall be listed and handed over to relevant representative appointed by the Employer.

9. Cleaning

- 9.1. Remove tools, equipment and demolished materials from site upon completion of demolition work.
- 9.2. Remove protections as approved by Engineer and leave interior areas broom clean.

CONCRETE WORKS

1.0 General

The contractor shall submit the following to the Engineer for his approval either before any work in this trade commences on site and/or during the course of the works:

- (a) Test certificates for cement and steel.
- (b) Test certificates for steel reinforcement.

- (c) Reinforcement bar bending schedules.
- (d) Shop drawings for formwork as specified.
- (e) Details of the materials and design of the formwork for all main structural members and formwork prop details.
- (f) Samples of admixtures together with the manufacturers technical instructions
- (g) Details of the proportions of waterproofing agents.
- (h) Methods of dimensional setting out, construction and checking.
- (i) Concrete mix proportions and test results.

2.0 Ready-Mixed Concrete

- (a) Ready-mixed concrete shall be supplied from a source approved by the Engineer and shall comply with the requirements of BS 5328. Ready-mixed concrete shall be used for all concrete works except for concrete works requiring small quantities, with the prior approval of the Engineer.
- (b) The contractor shall be responsible for ensuring that the concrete complies with this Specification including quality control, regularity of delivery and continuous supply of concrete. If any of the requirements of this Specification are not complied with, the Engineer may withdraw his approval and require the contractor to change the supplier or stop using ready-mix concrete.
- (c) The contractor shall provide onsite a drum mixer of minimum half cubic metre capacity and keep it in working order in case of an interruption of the supply of ready-mixed concrete during concreting. A good fresh stock of materials shall always be kept by the contractor on site for use with the standby mixer.
- (d) All concrete shall be made dense with a vibrator, the type and suitability of which shall be agreed with the Engineer prior to commencement of Concreting of each item.

3.0 Expansion Joint

- (a) Expansion joints shall be formed in the locations and of the widths shown on the construction drawings.
- (b) Unless other materials are shown on the construction drawings, expansion joint gaps shall be formed with bitumen impregnated soft board of approved quality wherever the filler is to remain in place and of expanded polystyrene sheets where the filler has to be removed to form an open gap.

4.0 Formwork Design

Shop drawings showing typical details of formwork and such other details and calculations as he may require shall be submitted to the Engineer for his record. Shop drawings showing elevations of formwork for fair faced concrete shall be submitted to the Engineer for approval of the pattern of joints.

5.0 Reinforcement

Before placing orders for reinforcement the contractor shall obtain the approval of the Engineer for the source of supply and all reinforcement delivered to the site must come from the approved source.

The manufacturer's certificate of origin and test certificates for each consignment for use in the works shall be submitted to the Engineer. The certificates must show the chemical analysis of the steel and the results of tensile and bending tests.

All reinforcement shall be free from mill scale, dirt, oil, paint, grease or loose rust before fixing in position and shall be brushed with a stiff wire brush if so directed by the Engineer.

BRICKWORK AND BLOCKWORK

1.0 General

- (a) Submit samples of each type of brick and block and obtain approval before placing orders with suppliers. If requested by the Engineer, submit samples of the bricks and block for testing and pay fees in connection therewith.
- (b) Stack bricks and blocks clear of the ground and protect from inclement weather, chipping or damage.

2.0 Bricks

- (a) Common bricks and facing bricks shall be of standard size 220 x 105 x 65mm of even shape hard, well burnt, hand or machine moulded bricks with true arises complying with S.L.S 39/1978 as amended No 1/1981
- (b) Bricks for use in external walls shall be free from hairline cracks.

3.0 Concrete Hollow Blocks

- (a) Concrete hollow blocks shall comply with B.S 6073 Part 1 and Part 2 and shall be of the shape and sizes as shown on the drawings. Minimum Compressive Strength shall be 7 N/mm². The hollow blocks shall be manufactured from ordinary Portland cement, dry mixed in the ratio of 1 part cement to 3 parts of sand and pressure - pressed in metal moulds. All blocks shall then be cured for at least two weeks and shall not be used until at least two months after date of manufacture had lapsed. All defective, chipped or under strength blocks shall not be used and shall be removed from site immediately. All blocks shall be finished smooth, ready to be painted.
- (b) Build concrete hollow block walls at locations indicated bedded and pointed in cement and sand mortar (1:5).

TIMBER WORK

1.0 Submissions

The Contractor shall submit the following to the Engineer for his approval before any work in this trade commence on Site and further as necessary during the course of work relevant to this trade

- 1.1 Samples of all materials proposed for use in this trade
- 1.2 Cross sectional samples of solid core door and frame.

- 1.3 Pressure impregnation certificate for timber.
- 1.4 Certificate to compliance with moisture content parameters.

2.0 Pressure Impregnation of Timber

All timber shall be treated with wood preservative by the full cell vacuum/pressure impregnation process in accordance with BS 4072.

3.0 Moisture Content and Seasoning of Timber

All timber to be used shall be seasoned so that the moisture content is between 12% and 15%. The Contractor shall submit written proof of moisture content from an approved laboratory or arrange for a Site test to be supervised by the Engineer whenever called upon to do so.

4.0 Joinery

Workmanship

- 4.1 All joinery work is to be accurately set out, framed, and executed in accordance with the Drawings, and finished in a proper and workmanlike manner.
- 4.2 Running bonded joints are to be cross-tongued, and where over 37mm thick, double cross-tongued.
- 4.3 Joinery shall not be fixed until plaster, etc, has completely dried out. Should it be necessary for any tucking in or pointing to be undertaken, after joinery is in position, this shall be kept to a minimum.
- 4.4 All door frames, stiles, rails, mullions and framing of a like nature, are to be rigidly framed together, with mortice and tenon joints.
- 4.5 All joinery work, including plywood, which is to be stained, etc, is to be with full, matching and selected grains, without streaks.
- 4.6 Where the building is completely or partially or intermittently air-conditioned, the Contractor shall ensure that moisture content of the various items of joinery is appropriate to these conditions, and is to further ensure that the arrangements, and jointing and fixing of all joinery is such that shrinkage in any part or in any direction will be compensated in the joints, so as not to impair the strength and/or appearance of the finished work.

5.0 Doors & Windows

Ironmongery / Hardware for Doors

Keys and Locks

Complete door locks keying system shall be submitted for approval by the Engineer.

Keys shall be permanently inscribed with a number that identifies the cylinder or provided as follows:

All locks – 03 keys for each lock.

Keys of any one set shall not operate locks of any other set.

Provide samples to the Engineer for approval. Locks shall be concealed type.

Locks, door closers etc. shall be “Hafele” or approved equivalent.

METAL WORK / IRONMONGERY/GLAZING

ALUMINIUM WORK

1) List of References

BS 952	Glass for glazing
BS 6262	Code of practice for glazing for buildings.
BS 6496	Powder organic coatings on Aluminium.
BS 4873	Aluminium alloy windows and door sets

2) Materials

Aluminium extruded members used for fabrication of shop fronts and doors shall have a minimum wall thickness of 1.575 mm.

Aluminium extruded members used in fabrication of windows shall have a minimum wall thickness of 1.2 mm

Aluminium sections for all units unless otherwise specified or shown on the drawings shall be hollow and profiled.

All exposed surfaces of aluminium extruded section shall present a straight, clean and sharply define line, free from die-marks, scratches and surface blemishes.

Aluminium frame work for specified external doors and windows shall be out of curtain wall sections.

Aluminium extrusions for doors and windows shall be as manufactured by Lanka Aluminium Industries PLC or approved equivalent.

3) Fastening and Fixing

All screws, nuts, bolts, rivets, washers and other fastening shall be either aluminium grade 6061T6 or 6351T5 or T6, or stainless steel grade 304 or 316. Aluminium brackets shall have suitable corrosion protection as specified below.

- a) Inserts shall be either stainless steel grade 304 or 316
- b) Screws shall be stainless steel grade 304 or 316 or other material to the Engineer's approval.
- c) Washers shall either be aluminium grade 6061T6 or 6351T5 or T6 or stainless steel grade 302, 303, 304 or 316.

The fixing shall be capable of withstanding the design wind load and any operating forces on the windows.

4) Sealant and Gasket Applications

- a) Sealants and gaskets shall be provided where shown on the drawings or required for a permanently watertight installation. All the mechanical joints shall be sealed with silicone or polysulphide sealants in matching colour. The gap between the windows or doors and the opening right round shall be achieve a weather-tight joint. Sealants and gaskets shall be approved by the Engineer.

- b) Protect all adjoining surfaces not to receive sealants and gaskets against staining by masking and/or other methods.
- c) Joints and joint surfaces shall be clean, dry and free of any material that may have an adverse effect on the bonding and/or seal of the sealant and gasket materials.
- d) Apply sealants and gaskets under the conditions recommended by the manufacturer(s).
- e) Fill all joints continuously and completely with sealant, forming a neat, uniform, concave bead. Finish the material flush with adjoining surfaces. All sealant surfaces shall be tooled smooth.
- f) Silicone shall be to approval as manufactured by Dow Corning or approved equivalent.

5) Work Size and Manufacturing Tolerances

The limits of sizes for overall length and overall height shall be stated by the manufacturer, taking into account permissible deviation in size and squareness.

The deviation on overall sizes of an assembled frame shall be maintained within a permissible 1.5 mm.

The frame assemblies shall be such that they can be installed square within a maximum difference in the diagonals of 4 mm.

6) Design

The Contractor is required to submit design recommendations with preliminary shop drawings showing fabrication and installation of the works including relevant information and physical properties of aluminium extrusions selected. The aluminium alloy windows shall be designed and constructed to conform to BS 4873 and to withstand:

- a) wind pressure
- b) dead loads (e.g. infill panels, signboards above panels, roller shutters, automatic door/window operator, etc.)
- c) live loads that may be imposed.

Notwithstanding the acceptance of the design recommendations by the Engineer, the Contractor shall be solely responsible for the adequacy of all the works and shall make good all damages arising from inadequate design.

7) Window Performances

When tested, air infiltration at perimeters of operating door and window sashes must not exceed 0.014m/minute per 300mm run of sash perimeter. No gross leakage of water should occur when subject to a water spray discharge rate of 5 gallons of water per hour per square foot.

The Engineer may order tests to be conducted on each type of window to certify that the above performance criteria are met.

8) Sri Lanka Regulations and Codes

The design and engineering of the components shall comply with all current government regulations and codes in Sri Lanka.

9) Shop Drawings

The Contractor shall submit for approval of the Engineer complete full size detail shop drawings, showing in detail all parts of the fabrication and installation work, clearly indicating, by large scale details, all perimeter conditions of construction, mullion details, all perimeter components of assembly, anchorage, sealing techniques, tolerances of openings, electors, all materials and finish and all joints in forming members or break shapes.

Door sizes listed in the door schedule are nominal sizes only: the manufacturer shall make all necessary allowances for clearance.

Do not proceed with fabrication until shop drawings have been accepted and returned by the Engineer.

Verify dimensions on site before fabrication or obtain guaranteed dimension openings from main contractor.

Check types and items listed for suitability to doors, door swing and hardware functions.

10) Modifications

The Contractor may make minor changes in detailing of the work in order to conform to standard procedures or as required to facilitate field operation.

However, no changes whatsoever shall be made without prior approval of the Engineer in writing. The Engineer may make minor changes in the shape of the member before final approval of the shop drawings.

11) Ironmongery / Hardware for Doors and Openable Windows

Hardware for doors and openable windows shall be standard units fabricated from aluminium or stainless steel of sufficient strength to perform the intended function, in accordance with the following:

- a) Hinges for openable window sashes shall consist of two sets of four bar friction hinges.
- b) Operating device shall limit total clearance between the frame and the sash of openable windows to a maximum of 150mm in the open position.

- c) **Keys And Locks**

Complete door locks keying system shall be submitted for approval by the Engineer.

Keys shall be permanently inscribed with a number that identifies the cylinder or provided as follows:

All locks – 03 keys for each lock.

Keys of any one set shall not operate locks of any other set.

Selection of locks shall be made to match colour and finish of aluminium extrusions. Provide samples to the Engineer for approval. Locks shall be concealed type.

Locks, door closers etc. shall be “Hafele” or approved equivalent.

12) Work Sizes & Manufacturing Tolerances

Work Sizes

The manufacturer shall state the work sizes for the overall length and height.

Manufacturing Tolerances

The permissible deviation of the size of an assembled frame shall be within the limits of +1.5mm from the work sizes and the maximum difference between the diagonals of the assembled frame shall be 4mm.

Tolerances in Structural Opening

The structural opening shall allow a minimum of 5mm clearance all rounded to facilitate easy installation.

13) Fabrication & Installation

Check and confirm site dimension prior to preparation of shop drawings. Costs of adjustments to aluminium work during the erection due to failure to confirm dimensioning prior to the fabrication shall be this Contractor's responsibility at no additional cost to the Employer.

The gauges of metal & methods of construction and reinforcement shall be adequate to meet site conditions, with the requirements of the Engineer's details and specifications as a minimum.

Installation is to be complete with all anchors, weather-stripping, flashing, caulking as required to provide a complete and openable installation.

Installation is to be completed with glazing, and ironmongery.

The method of construction, reinforcement, anchorage, details of finish, jointing etc., shown on the approved shop drawings shall be accurately followed.

Where necessary, provide all necessary expansion joints in members as required to allow aluminium sections to expand and contract without damaging the glass or glazing assemblies.

Aluminium framework or units shall be securely installed and anchored in position, set plumb, square, level and in proper alignment with other works. Where anchors or lugs detail involved other builder's trade, a layout diagram shall be provided sufficiently in advance for proper installation.

Provide all necessary steel reinforcing required to extruded sections and provide all necessary anchor plates for securing at junctions with other materials. It is the Contractor's responsibility to ensure that the sections specified and shown on the drawings will withstand the design wind loads required.

All anchoring devices used in the erection of the window, etc. shall be of aluminium, stainless steel or other materials compatible with aluminium; steel anchors may be used provided that they are either hot-dip galvanised or properly insulated from the aluminium.

Where aluminium is in contact with wood or steel (even galvanized) shall be treated with a chemical that will not promote corrosion of aluminium.

14) Jointing

- a) Accurately fit and firmly secure all exposed metal joints with metal-to-metal hairline contacts.
- b) All fastenings into or through aluminium shall be stainless steel and installed at approved spacings.
- c) All fastening jointing and splicing of members shall be concealed. Exposed fasteners shall occur where expressly permitted by the Architect. Where exposed in finished surfaces, screw heads shall be Philips oval head countersunk type, finished to match adjacent surfaces.
- d) Conceal all joint sealants except as noted on the drawings.

15) Polyester Powder Coating Finish

All exposed surfaces shall receive a factory applied powder organic coating unless otherwise specified.

Finished surface shall match the appearance, colour and texture of the sample submitted to and approved by the Engineer.

Powder coating of aluminium shall be in accordance with BS 6496 and of colours to Engineer's selection.

The thickness of coating shall be 60-80 microns and the powder used to be polyester.

The aluminium surfaces to be powder coated shall receive a multi-stage chemical pre-treatment process to remove organic and inorganic surface oils, residual oxides and a chemical conversion coat before powder coating.

The pre-treated aluminium steel surface shall receive a factory applied, oven-cured polyester powder coating suitable for exterior use. The coating shall be of average thickness of 60-80 microns, and applied by electrostatic spraying. The coating system must be applied by a specialist applicator or approved equivalent.

The powder coated colour shall be selected and approved by the Engineer/Architect. The Contractor shall submit samples of powder coated aluminium sections to the Engineer for approval together with full technical specifications as supplied by the manufacturer, before proceeding with the works.

- a) Withstands exposure to 10% muriatic acid solution - 15 minute spot test with no blistering, or visual change in appearance.
- b) Detergent resistance
- c) Withstands immersion in 3% synthetic detergent solution for 72 hours @ 1000F with no loss of adhesion and no visible change. Where the fluorocarbon finish is to be applied onto a galvanised steel or other type of finish, the coating shall only be applied following pre-treatment with an appropriate and compatible primer

16) Insert for Anchorage in Concrete

- a) Contractor is to give full details with shop drawings of the anchorage inserts.
- b) Contractor to determine the most suitable system to ensure the following:
 - i) The accurate setting out both in plan and level of the anchors.
 - ii) The most efficient method of installation to ensure continuity of work and best possible use of the construction programme.
 - iii) The anchorage points are to be located on the outside edge of the slab and on the face of columns as required. The fixing must not project above the level of the slab.
 - iv) As far as possible a similar method of fixing should be adopted to suit both column and slab fixings.
- c) Before approval of the anchorage system can be agreed, the Contractor is to submit details and a method statement of an agreed remedial method should such works become necessary during the course of the construction.
- d) The Contractor is to provide all necessary structural calculations relating to the anchorage system for checking by the structural engineer and submission to the government authorities for approval if required.

17) Protection

All exposed surfaces of window assembly supplied or installed at site must be protected by masking tape or equivalent.

18) 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 or the Aluminium Association of America's 'Method' for measuring thickness of powder coating of Aluminium.

(b) Coating Weight

The coating weight shall be measured as specified in ASTM B157.

(c) Staining

The Aluminium Association of America's 'Stain Test Anodized Coatings of Aluminium' shall be carried out to assess resistance to staining.

(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 breaching 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) Air Infiltration

Air infiltration shall be measured as specified in BS 4315.

(g) Leakage Tests

The window installation including all glazing shall be capable of withstanding conditions of test pressure 300 N/m².

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

19.) As-Built Drawings

On completion of the works, the Contractor shall provide to the Employer:

- 1) One (1) set soft copy and two (2) sets hardcopies of as-built aluminium shop drawings.

GLAZING

1) Glass Generally

- a) All glass shall be of "Saint Gobain", "Asahi" or approved equivalent manufacturer complying with BS 952 or equivalent. They shall be of the qualities particularly specified and free from pecks, air bubbles, wanes, scratches, air holes and other defects.
- b) All glass shall comply with BS 952 Glass for Glazing, and shall be of accurate size with clean undamaged edges and surfaces which are not disfigured, free of bubbles, waves,

air holes, scratches and all other defects, and cut to fit the rebates with due allowance for expansion.

- c) The Contractor shall carry out all glazing works as specified and shown in the drawings including all approved wash leather, neoprene strips, silicone sealants, etc.
- d) All exposed glass edges shall be ground with carborundum stone and polished.
- e) Adequate glazing clearances must be allowed. Edges of glass shall not be ripped, shelled or damaged in any way. Glazing with cracks or damages caused by faulty installation, incorrect tolerance, etc., must be replaced by the Contractor at his own expense.
- f) All glazing work shall be installed strictly in accordance with BS 6262 and the manufacturer's instructions.
- g) Samples of all types of glass and mirrors specified or proposed shall be submitted to the Engineer for approval prior to commencement of glazing work on site. The Contractor shall indicate where it is proposed to use each sample of glazing, compound and sealant. Each glass sample shall be minimum 200 x 200 mm showing specific visual properties and the range of variation if any, for each of the types of glass specified and the glazing products:
- h) The Contractor shall submit shop drawings prior to fabrication to the Engineer for approval. No glazing work shall commence until the shop drawing submitted are approved.
- j) Upon completion, wash and clean all glass to remove all excess grout, dirt, stains etc. from glass surface to the satisfaction of the Engineer.

2) Clear Sheet Glass

Clear sheet glass shall be Ordinary Glazing Quality (OQ) of the thicknesses as specified.

3) Float Glass

- a) Float glass shall be clear or tinted to thicknesses as specified, fixed to wood frames with fillets and beads or to aluminium frame with neoprene or butt jointed with sealant.
- b) All clear float glass shall meet ASTM C 1036, Type 1, Class 1, Quality Q3 (glazing select)
- c) All clear float glass shall meet ASTM C 1036, Type 1, Class 1, Quality Q3 (glazing select)

4) Tempered Glass

Tempered or toughened glass shall be clear or tinted to thicknesses as specified. It shall be free from any scratches, chips, pinholes and warpage.

All heat-treated (tempered and strengthened) glass shall meet ASTM C 1048 and the following more stringent requirements

- a) Compression Levels
 - i) Heat Strengthened Glass

- Surface Compression – 5,500 psi. Range 4,000 psi to 7,000 psi for 8mm glass and thinner.
- Surface Compression -6,500 psi. Range 5,000 psi to 8,000 psi for glass thickness exceeding 8mm.
- Edge Compression -5,000 psi minimum

ii) Tempered Glass

- Surface Compression – 10,000 psi minimum
- Edge Compression -9,700 psi minimum

b) Warp, Bow and Surface Conditions

- Overall bow and warp, when measured in accordance with the procedure listed in ASTM C 1048, shall not exceed 0.79mm per 300mm length.
- Roller wave peak to valley distortion
 - Within the main body – 0.0762mm maximum
 - Within 267mm of a leading and trailing edge-0.203mm maximum.
- Roller wave distortion shall run parallel to the width of the entire project. The only exception is when the width dimension exceeds 2134mm

All tempered glass shall meet ANSI Z97.1, CPSC Standard 16 CFR 1201.

Thickness of glass shown on drawings is only indicative. Contractor is responsible to provide thickness that complies with the performance requirements

Glass Edges

- All edges shall be high quality and factory clean cut
- All exposed edges shall be ground, polished and swiped (bevel not exceeding 1mm)

Adhesion to Structural Sealant

- Proposed glass and sealant shall be compatible to one another. Adhesion accomplished by removing or omitting reflective coating in the area of the sealant shall only be allowed with the written approval of the Architect.
- Submitted samples shall be prepared accordingly. Include test results that certify proper adhesion between sealant and glass.

All glass shall not develop any substantial thermal stress that may cause breakage of the glass when subject to the local climatic condition of the site.

Glass shall be sized to allow for expansion of both glass and aluminium frames so that a complete water seal is obtained.

WALL CEILING AND FLOOR FINISHES

Ceilings -

1. Gypsum Board Ceiling

- a) 12mm thick Gypsum boards and moisture resistance gypsum boards shall be from an approved manufacturer and shall be in compliance with the relevant BS Codes

Fire resistance of ceilings shall comply with requirements of BS 476, Part 4, unless otherwise directed.

Installation of Gypsum ceilings and suspension systems shall be in accordance with the approved shop drawings.

Coordinate Gypsum ceilings with other work which penetrates or is supported by ceiling suspension system

Provide access panels of suitable size, where required for inspection and maintenance purpose.

- b) **Workmanship**

Installation of Gypsum board ceiling to be carried out by competent and experienced tradesmen strictly to manufacturer's instructions and approved methods

- c) **Metal Suspension System**

Design, supply and install metal suspension system fixed below and at right angle to hangers by means of galvanised metal joist straps to be to the approval of the Engineer.

- d) **Shop drawings**

Shop drawings showing detail installation procedures of the ceiling are to be provided by the Contractor for approval by the Engineer before commencement of works

2. Metal Ceiling

Metal ceilings including frame works and suspension system shall be from an approved manufacturer. Samples of ceiling panels and frame work to be approved by the Engineer.

Metal ceilings shall be installed in accordance with the manufacturer's written instructions / specifications and complete to the approval of the Engineer.

Floor and wall finishes –

Porcelain & Ceramic Tiles

Porcelain homogeneous and / or polished or matt finished floor and wall tiles shall be "Rocell" of Royal Ceramics and other tiles as specified

PAINTING

Material

Paints generally for the Works shall be 'Dulux' or approved equivalent and each type are to be the best quality produced within each range. The mixing of paints of different types will not be permitted.

WORKMANSHIP

1. Commencement of Work

Interior decoration shall not commence before the work of all trades has been substantially completed and the areas concerned thoroughly cleaned out. Clean conditions shall be maintained during interior decoration.

2. Conditions of Base

No paint shall be applied to surfaces structurally or superficially damp and all surfaces shall be free from condensation, dust and any extraneous matter before application.

The Contractor shall make good at his own expense any failure or damage to appearance due to the structure of rendered or plastered surfaces rough or damp or otherwise unsuitable.

3. Previously Painted Surfaces

Remove all perished, powdered, loose and flaking paint. Water blast, mechanically sand, wire brush, scrape or burn off as necessary. Clean down and prepare all as for new work.

4. Protection

Before commencing work adjoining areas which are not to be painted, or which may have been previously painted, shall be adequately protected. Any material which is marked, stained or mechanically damaged shall be cleaned off and made good to the approval of the Engineer or if in his opinion cleaning and making good is impractical will be completely redecorated.

5. Inspection and Approval

Prior to painting all surfaces to be painted shall be inspected and approved by the Engineer.

Each coat of paint, both externally and internally, shall be similarly inspected and approved before proceeding with the next coat.

6. Preparation of Concrete Surfaces

Concrete surfaces to be painted shall be thoroughly washed down to remove all traces of mould oil or any other materials harmful to paint.

The surfaces shall be rubbed down with a carborundum stone to remove loose particles, nibs, efflorescence, etc. Surfaces are to be left for 48 hours to determine whether pink efflorescence occurs.

All holes and imperfections shall be made good with cement paste as directed.

7. Preparation and Finish of Plastered Surface

Surfaces for painting shall be clean and dry. Any efflorescence shall be removed by first wiping with a dry coarse cloth and then with a damp cloth. The surface shall then be left for forty eight hours to ascertain if further efflorescence occurs and no paint shall be applied until efflorescence has ceased. All new plastered surfaces for acrylic coating shall be cured for a minimum of 23 days.

The surfaces shall be cleaned to remove dust, dirt, plaster splashes, oil, grease and all foreign matters.

Cracks and other imperfections shall be cut out and made good with suitable fillers. Such patching work shall be allowed to dry out thoroughly before painting or polyurethane coating.

All cement plastered internal surfaces, shall be applied with a skim coat before painting.

SECTION 7

FORM OF BID

FORM OF BID

**Refurbishment of Proposed ICTA Office Building
at No. 490, R.A. De Mel Mawatha, Colombo 03**

To: Chairman,

Information and Communication Technology Agency of Sri Lanka,
160/24, Kirimandala Mawatha,
Colombo 5.

Gentlemen:

1. Having examined the Standard Bidding Document - Procurement of Works - Major Contracts [CIDA/SBD/02 - Second Edition, January 2007] Specifications, Drawings and Bills of Quantities and Addenda for the execution of the above-named Works, we the undersigned, offer to execute and complete such Works and remedy any defect therein in conformity with the aforesaid Conditions of Contract, Specifications, Drawings, Bills of Quantities and addenda nos..... for the sum of Sri Lankan Rupees..... (LKR) 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 119 days from the date fixed for the deadline for submission of Bids as specified in bidding data and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
5. Unless and until a formal Agreement is prepared and executed this Bid, together with your written acceptance thereof, shall constitute a binding Contract between us.
6. We understand that you are not bound to accept the lowest or any bid you may receive.
7. We certify/confirm that we comply with the eligibility requirements as per ITB Clause 3 of the bidding documents.

Dated this day of 2021 in the capacity of
..... duly authorized to sign tenders for and on behalf of
.....(IN BLOCK CAPITALS)

Signature

Name:

Designation:.....

Address:

.....

Witness:

Signature:-.....

Name:-

Address:-

.....

SECTION 8

BILL OF QUANTITIES

PREAMBLES TO THE BILLS OF QUANTITIES

PREAMBLES TO THE BILL OF QUANTITIES

GENERAL

1. The Bill of Quantities shall be read in conjunction with the Instructions to Bidders, General and Special Conditions of Contract, Technical Specifications, and Drawings.

Item descriptions of items in the Bills of Quantities identify the work covered by the respective items, but such descriptions or identifications may not be exhaustive. The exact nature and extent of an item of work must be ascertained by reference to the Drawings, Specification and Conditions of Contract, as not all requirements may be stated in the item description.

The rates inserted against each item of work must be comprehensive and must include for complying with the details on the drawings, descriptions in the Bills of Quantities, relevant Specifications, cover all the obligations under the Contract and all matters and things necessary for the proper construction, completion and maintenance of the works and shall be deemed to be the full inclusive value of executing, completing, maintaining and/or supplying such item of work including any incidental work thereto, unless expressly stated otherwise elsewhere in the Bills of Quantities. The expression “incidental work” includes, but is not limited to, the carrying out of all work and services and complying with all obligations which are specified or reasonably implied in the Contract and which are related to, arise out of or are connected with the item of work as described in its headings, sub-headings, item description and item coverage.

The rates for each item must allow for complying in all respects with the requirements as stated above and shall include but not limited to the following:

- a) Labour and all costs in connection.
- b) The supply, transportation, landing and storage of materials and goods including all other costs in connection.
- c) Fittings and fixing materials and goods in position including hoisting to any height or lowering to any depth.
- d) Use of plant, equipment scaffoldings and tools and all costs in connection.
- e) Preparation of surfaces and other preparatory work on follow-on activities.
- f) Wastage, bulking, shrinkage and the disposal of surplus material.

- g) Temporary protection and its subsequent removal.
- h) Unless otherwise specified as separate items, shop drawings, details of procedure and methods of construction to be used, technical literature, testing, test certificates, as built drawings, and any other documents or information required to be submitted under the Contract.
- i) Duties, taxes including NBT (excluding VAT) and other levies
- j) Overheads and profits
- k) Risks, liabilities and Obligations set out or implied in the Contract.

The Bidder is required to price each individual item given in the Bills of Quantities whether quantities are stated or not. The cost of Items against which the Contractor has failed to enter a rate or price shall be deemed to be covered by other rates and prices entered in the Bill of Quantities. Contractor shall not be entitled to claim any money for items not priced, even though he is obliged to execute the work or provide services described therein.

Where the word “allow” occurs the cost of the items shall be at the risk of the Contractor.

2. Units of Measurement are the S.I. metric system.

In the Bills of Quantities the following abbreviations have been used :

mm	millimetre
m	metre
m ²	square metre
mm ²	square milimetre
m ³	cubic metre
nr	number
kg	kilogram
hr	hour
ha	hectare
h	hour
t	metric ton (1000kg)

3. All quantities will be the nett measurement as fixed in position. The Contractor must allow in his rates for all laps, waste, or any traditional allowances unless otherwise specifically stated in the preambles of trades.
4. The Bidder shall read, understand and acquaint himself with the requirements in the Conditions of Contract, Contract Data, Instructions to Bidders, Bidding Data, Form of Bid, General Specification of Works, Particular Specification of Works and this Pricing Preamble Notes. It is the Bidder’s responsibility to see that his

- price includes for complying with all the above requirements whether specifically referred to in this Bills of Quantities or otherwise.
5. The basis of payment for measure and pay contracts will be the actual quantities of work carried out, as measured by the Contractor and verified by the Engineer and valued at the rates and prices in the priced Bill of Quantities of Contract Document, where applicable, and otherwise at such rates and prices fixed as per the terms of the Contract.
 6. The basis of payment for Lump Sum Contract shall be the Lump sum quoted against all items and quantities shall not be re-measured and adjusted for payments.
 7. The Bidder is required to visit the site of the proposed work, as it is his responsibility to ascertain the conditions pertaining to the access to the site, the external working space, storage area, adjacent properties, transport facilities, restriction on working hours, availability of services, environment, state / local government acts and regulations applicable to the area etc.,
 8. Unless specific items have been provided for in the Bill of Quantities, no separate measurement shall be made in respect of items whether specified or not requiring mortar/sealant, assembling, building in or fixing to concrete, block works, metal work or timber, painting and protective treatment, welding, drilling, bolting inclusive of bolts, nuts and washers, screws, nails and plugs, jointing and joint materials, box out and filling thereof, grouting, packing, bedding, insulation between different metals, making good, conduits and fittings, cutting, waste, labour materials and all incidental work to the items concerned and their surroundings.
 9. Except for those tests provided for as separate items of work in the bills within the Bills of Quantities, the rates contained in the Contract shall be deemed to include for the cost of carrying out all tests on materials and workmanship specified in the Contract, including but not limited to, the cost of packing and transport required for delivering samples to and collecting from the place of testing.
 10. The quantities set out in the Bill of Quantities are the estimated quantities of the work and they shall not be taken as the actual and correct magnitude of the works to be executed by the contractor in fulfillment of his obligation under the Contract. The contractor shall be deemed to have taken into account all of the following in his tender prices and his construction programmes.
 - all recognized holidays, days / periods of festivals, religious and other local customs.
 - any stoppage of work or delays due to adverse weather conditions

11. The relevant Clauses of this Preamble shall be deemed to apply equally to any work subsequently ordered for execution by the Contractor either under Provisional Sum or Variation Orders, except where specifically varied therein.
12. The contractor shall include all local taxes except VAT for the materials and services to be procured locally in his unit rate for various item of works included in the Bill of Quantities. The unit rate for materials, goods and equipment to be imported from overseas shall INCLUDE VAT and other import duties such as custom duties, cess, excise duty, etc. The Employer is not responsible to pay any VAT or custom duty for any imported items to be incorporated in the permanent works.
13. As set out in the “Instruction to Bidders”, VAT payable to the Government of Sri Lanka shall be calculated separately and the total VAT amount shall be inserted in the space provided in the Grand Summary Page of the Bills of Quantities. VAT shall neither be included in the unit rate for various items of work nor in the tendered price.
14. The Bidder shall neither insert additional items in to the Bill of Quantities nor made any alterations to the item descriptions and quantities.

PRELIMINARIES

1. Preliminaries is intended to provide for the pricing of indirect items of work or services complementary to the works, which are required to be provided by the Contractor in accordance with the CIDA Standard Bidding Documents.
2. Items listed under Preliminaries form part of the Job Overhead on or off site, other than the Contractor’s head office overheads and therefore the Overhead and Profit component (mark up) included in the rates of measured items in the Bills of Quantities shall not include the cost or expenses in relation to said items in the Preliminaries Bill.
3. The Bidder is required to price each individual items under Preliminaries, in connection with the proposed Works. If no price has been stated against any item here under the Contractor shall not be entitled to claim any money for such items even though he is obliged to execute the work or provide services described therein. Preliminary items priced by the bidder are deemed to include the cost of any such un-priced items.
4. Cost and expenses in connection with any other preliminary items which are not listed under Preliminaries, but are necessary for the due completion of Works, are deemed to be included in the rates of work items.

DEMOLITIONS AND ALTERATIONS

1. Demolitions

Bidders shall visit the site and ascertain the true nature of the works to be demolished and removal.

The rates for demolition, taking down, removing etc., shall include for all necessary temporary supports, wedging, pinning etc., required to the existing structure and for removing all demolished material other than the materials to be handed over to the Employer, listing out, storing as directed and handing over to the Employer, transporting materials and debris from site, dumping debris at dumping sites and all necessary costs due to the nature of existing works, site conditions, environment, complying with the acts and regulations of Environmental Authority of Sri Lanka and for taking into consideration other likely factors.

Finding dumping sites, obtaining approvals for transporting and dumping debris at dumping sites is the responsibility of the Contractor and shall be included in the cost of demolition works.

CONCRETE WORK

1. Poured Concrete

Unless otherwise stated reinforcement and formwork are measured separately.

Rates shall include for:

- a) Complying with the foregoing.
- b) Using ready mixed concrete except for small pours of concrete approved by the Engineer.
- c) Mixing, transporting, transporting / hoisting, placing, compacting, screening off, making good surfaces after removal of formwork, and curing & protecting all placed concrete.
- d) Protecting all finished surfaces from damages during concreting operations.
- e) Forming set downs in slabs to suit different floor finishes.
- f) Forming, openings, chases etc. and building in service, conduits, sleeves, bolts, ties, locks etc., required by other trades and sub-contractors.

- g) Unless otherwise specified separately forming, construction, expansion and separation joints to the approval of Engineer.
- h) Providing samples of materials, carrying out tests for compressive and slump test and any other relevant tests requested by the Engineer.
- j) Setting in position cores / sleeves for ducts, piping, conduits, etc., paving through concrete work.
- k) Building in bolts, anchors and other components into concrete as required in connection with other trades.

2. **Form work**

The rate for form work are to include for setting up strutting and supporting at any height together with any necessary strutting and supporting through lower floors, coating with shutter oil, easing, striking and removing, cleaning, preparing for re use and removal when no longer required, including all props, stays struts, wedges and bolts, all overlaps and labours at intersections, raking and circular cutting and notching around all obstructions.

The rate for formwork for ‘fine finish’ / ‘fair face finish’ are to include in addition to the requirements of the last clause for forming a smooth finished face to the concrete in accordance with the specification.

3. **Reinforcement**

The rates for reinforcement are to include for straightening as necessary, cleaning and removing mill scales etc., cutting to length, bending as required, fixing in position, and supporting in position during concreting, including all necessary supports and space bars, steel binding wire and approved distance pieces. Stirrups and links are measured and added to the quantity of reinforcement.

The rates for fabric reinforcement are to include in addition to the relevant requirements of the last clause, for all straight, raking and circular cutting and notching around all obstruction, overlaps at intersections etc.,

Reinforcement shall be measured including laps. If the laps are not shown in drawing laps shall be measured at 6.0-meter centres.

4. **Pre-cast Concrete**

The rates for pre-cast concrete are to include for all reinforcement, lifting hooks, erection, grouting and jointing in position, moulds and for forming a fair face in accordance with the specification to all exposed surfaces where required, hacking all other surfaces to form key for rendering etc., providing any lifting holes or other devices to the approval of the Engineer, building in, including bedding and jointing to mortar as required and any necessary strutting and supporting.

5. **Sundries**

The rates for polythene sheeting and compressible joint fillers are to include for working in narrow widths and small quantities, for straight, raking and circular cutting and for notching around all obstructions and overlaps at intersections and vertical faces of plinths beams around the ground floor slab.

The rates for mastic joint sealants are to include for cleaning and priming contact surfaces, all necessary bond breakers, mixing and applying by gun or trowel in accordance with the manufacturer's instructions to horizontal, sloping, vertical and overhead surfaces.

The rates for water stops and water bars are to include for all mitres, angles, intersections and crosses, and for all necessary joints and welding.

STRUCTURAL STEEL WORK

Where steel is given in by weight, it shall be noted that weights given are based on nominal weight per metre length and no allowances shall be made for rolling margins.

Rates for Structural Steel Works shall include for :

- a) All shop fabrication work making delivery unloading, hoisting, erecting and fixing at any given height.
- b) Providing members of any length, delivery cutting to size and shape, bending and shaping as required, and the joints in the running length for all notches, holes, slots, mitres and ends for drilling and splay cut ends.
- c) All necessary welding materials grinding and buffing all visible welds smooth and even for fabricating work.
- d) Base plates, Caps, Splices, Plates, Cleats, Brackets, stiffeners, bearings nuts, Bolts and washers.

- e) Preparing surfaces and applying two coats of anticorrosive paint to all exposed steel work.

METAL WORK

The preceding clauses of Structural Steel work shall apply equally to relevant items in this section.

DOORS, WINDOWS & PARTITIONS

The rates for doors, windows, & partitions and the like are to include for composite construction including sub frames, coupling mullions, transoms, glazing, gaskets, weather stripping, sealants, hinges, locks fasteners, stays, handles, door closers, floor hinges, panels out of sheet materials as specified including painting where required.

Plywood doors shall include for aluminium framing, hinges, locks, handles, fasteners etc.

All timber to be pressure impregnated with chemical wood preservatives by Finlay Rentokil or approved organization & rate shall include for same in the relevant description.

FLOOR WALL & CEILING FINISHES

Rates for all finishing works shall include for :

- a) Temporary rules, screeds, templates and supports, curing and clearing off on completion for working in small quantities, panels or narrow widths, jambs & reveals and for making good or cutting around all pipes, sleeves, fittings and similar obstructions.

Insitu finishing and back grounds are include for hacking concrete or block work surfaces and raking out joints to form keys, brushing, clearing off and dampening background surfaces before application, working at any height and to any shape and pattern and for all square and rounded edges, quirks, square and splayed fair edges and making good up to frames, architraves, skirting, dividing strips and the like.

- b) Laying of paving screeds to falls and cross falls where specified.
- c) Tile, slab, block and sheet finishing and backgrounds are to include for all fixing, bedding and jointing and for all straight, raking and curved cutting.
- d) Submitting samples for the approval of the engineer.

- e) Preparation of sample panels of different finishes of size not less than 1.0m² and not exceeding 1.5m²
- f) Clearing covering up and protecting all surfaces from the climatic and building operations as soon as practicable after completion.
- g) Works to walls shall also include for jambs and forming door & window reveals.
- h) Work to soffit of external slabs shall include for weather grooves.
- i) Providing and fixing ¾", 22 gauge G.I. hexagonal wire netting strips (150mm wide) for concrete / masonry joints prior to plastering or other wall finishes.

ELECTRICAL WORKS

- 1. Cabling work, wiring etc. (including labour & material) & installation of light fittings will be done by the Employer
- 2. Supply of light fittings supply & installation of switches & other accessories to be done by the Contractor

MECHANICAL WORKS

Rates for items shall include the following:

- i. Labour and all costs in connection therewith.
- ii. Consumables.
- iii. Plant.
- iv. All preparatory work not measured separately.
- v. Materials and all costs to connections therewith.
- vi. Allowance for waste of materials.
- vii. Coordination of the installation with the other trades.
- ix. Cutting of all holes, mortices, chases and the like and making good the structure and its finishings and all other necessary builders work.

- xii. Protection of equipment and material during construction.
- xiii. All testing and commissioning.
- xiv. Maintenance charts, manuals and as built drawings.
- xv. Hoisting and handling of equipment and materials.
- xvi. Providing of samples, tests, specimens etc., for such items of work as required by the consultant

Rates for piping shall include for

- i. Screws, nails, clips saddles, brackets, thrust blocks or any such items required for the installation.
- ii. All the bend tees, cleaning eyes, reducers junctions etc., and for testing of each length of piping

Rates for pipes laid underground shall include for necessary excavation to required gradient, 1:3:6 (1/2") mix concrete bedding, sand filling up to 1'-0" above the crown pipe, 2" thick protective cover slabs, backfilling and disposal of surplus excavated material.

Mode of Payment -

The amounts stated in the Bill No. 1 - Preliminaries may be released in the manner recommended below.

Mode of Payment	Category
Reimbursement of actual cost on submission of the relevant documents acceptable to the Engineer plus 5% of the actual cost of obtaining the Insurance Policies and Securities.	A
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.	C
Paid on satisfactorily completion of the item	D
In equal installments over the contract period.	E
Mode of Payment to be mutually agreed between Contractor and the Employer at the commencement of contract in relation to the programme of work.	F
On the completion of Works.	G

ITEM	DESCRIPTION	MODE OF PAYMENT CATEGORY	UNIT	AMOUNT(LKR)
B.1	<u>PRELIMINARIES</u>			
B.1.1	Allow Sum for providing a Performance Security.	A	Pro.sum	150,000.00
B.1.2	Allow Sum for providing an Advance Payment Security.	A	Pro.sum	130,000.00
B.1.3	Allow Sum for Insurance of Works, Machinery & Equipment, Plant, Materials, third party persons & Property and Employer's personnel & property at site as per the Contract.	A	Pro.sum	400,000.00
B.1.4	Allow Sum for Insurance against accidents and injury to Contractor's personnel as per the Contract.	A	Pro.sum	200,000.00
B.1.5	Allow Sum for Electricity & Water bills of the premises during construction.	A	Pro.sum	900,000.00
B.1.6	Allow Lump sum to conduct an Electrical System Audit of the existing power distribution system including panel boards and prepare a report on findings and any recommendations. Relevant testing and report to be done by a Chartered Electrical Engineer.	A	Pro.sum	300,000.00
	Contractor's Facilities			
B.1.7	Allow lump sum for constructing, maintaining, dismantling and removal on completion of the Works, a temporary site office facilities for the Contractor's site management staff in accordance with the plans prepared by the Contractor and concurred by the Engineer.	C	Item	
B.1.8	Allow lump sum for providing & maintenance, rental, consumption charges etc, for telephone and internet facilities, for the Contractor's site office for their use in connection with the Works.	E	Item	
B.1.9	Allow lump sum for constructing, maintaining, dismantling and removal on completion of the Works, buildings to be used as workshops and stores for perishable materials. Buildings shall be constructed in accordance with the drawings prepared by the Contractor and concurred by the Engineer.	C	Item	
	To Collection		Rs.	

ITEM	DESCRIPTION	MODE OF PAYMENT CATEGORY	UNIT	AMOUNT(LKR)
B.1	<u>PRELIMINARIES - Cont'd</u>			
	Construction Management and Supervision			
B.1.10	Allow lump sum for employing suitably qualified and experienced Site Engineer and a technical officer on full time basis for Construction Management and supervision services at the site.with following minimum Qualifications. Site Engineer - B.Sc Engineering (Civil) with 05 years' experience in Building Construction or National Diploma in Civil Engineering with 08 years' experience in Building Construction and Technical officer with National Diploma in Engineering and 05 years experience in Building Construction or NCT with 10 years experience in Building Construction or approved equivalent qualification acceptable to the Employer			
	Designation Monthly Salary x No. of Months = Total Site Engineer x 3 = Technical Officer x 3 = 	E	Item	
B.1.11	Allow Lump sum for employing Chartered Electrical Engineer for part time basis to conduct initial survey, design, prepare shop drawings, supervisions and Engineers Completion Certificate and As-built drawings.	E	Item	
	Setting Out			
B.1.12	Allow lump sum for setting out of Works in accordance with drawings and other written information given by the Engineer.	F	Item	
	Quality, Standards and progress			
B.1.13	Allow lump sum for provision of progress reports including photographic records and other schedules included in the CIDA publication- Guidelines for Effective Construction Management. (CIDA/CM/01), relevant to contract administration as directed by the Engineer.	E	Item	
B.1.14	Allow lump sum for all cost in connection with preparing samples for testing, making arrangements for testing of Materials, Goods etc, as stipulated in the specification, obtaining test reports and submitting the same to the Engineer.	E	Item	
B.1.15	Allow lump sum for provision of shop drawings for Engineer's approval.	E	Item	
	To Collection		Rs.	

ITEM	DESCRIPTION	MODE OF PAYMENT CATEGORY	UNIT	AMOUNT(LKR)
B.1	<u>PRELIMINARIES - Cont'd</u>			
B.1.16	Allow lump sum for provision of 2 sets of (hard copies and soft copies) as- built drawings of all services, for Engineer's approval.	D	Item	
	Health, Safety and Environment			
B.1.17	Allow lump sum providing following services throughout the period of construction for the Engineer's office, Contractor's site office and worker's rest room and other facilities a.) Employing workmen to clean and maintain all areas to be in good hygienic conditions including toilets, wash areas. b) Supplying adequate drinking water, water for washing purpose soap, detergent, etc. throughout the period of construction.	E	Item	
B.1.18	Allow lump sum for providing all necessary safety measures to workmen at site conforming to the latest industrial safety regulations and as directed by the Engineer.	E	Item	
B.1.19	Allow lump sum for making adequate provisions against air and noise pollution of surrounding areas. Dust screens shall be provided to control dust escaping to surrounding areas. Contractor should be provided temporary facilities where required.	E	Item	
B.1.20	Allow lump sum for maintaining the site in a clean and orderly manner at all times and also to prevent dengue during the entire contract period.	E	Item	
B.1.21	Allow lump sum for providing sanitation facilities and other precautionary measures as stipulated by the government and health authorities to prevent COVID-19 transmission.	E	Item	
B.1.22	Allow lump sum for demobilization, removal of all rubbish & debris and clearing up site on completion, leaving all areas including elevator and washrooms in good order and handing over.	G	Item	
	To Collection		Rs.	

ITEM	DESCRIPTION	MODE OF PAYMENT CATEGORY	UNIT	AMOUNT(LKR)
B.1	<u>PRELIMINARIES - Cont'd</u>			
	Security and Protection			
B.1.23	Allow a lump sum for providing, maintaining & removal on completion of works; temporary hoarding system to isolate the construction area to the approval of the Engineer	E	Item	
B.1.24	Allow a lump sum for employing an adequate number of security personnel and security systems on full time basis throughout the period of construction, and provide for necessary security lighting and warning system	E	Item	
B.1.25	Allow lump sum for providing and maintaining necessary fencing, hoarding and gate for safeguarding the Works, Materials and Plant, as directed by the Engineer.	E	Item	
B.1.26	Allow lump sum for protection of public and Private services at site. The Contractor shall take due care to protect water supply and drainage systems, telephone and overhead/buried electrical cables etc.whose locations are identified and made available to the bidder at time of bidding ,unless earmarked for demolition, during the execution of the Works. The Contractor is to make good any damage due to any cause within his control at his own expenses or pay any cost and charges in connection therewith.	E	Item	
	Services and Facilities			
B.1.27	Allow lump sum for providing small machinery and equipment for the use of the Works at site	F	Item	
B.1.28	Allow lump sum for erecting and maintaining scaffolding. Such scaffolding etc. shall be removed on completion and all Works disturbed shall be made good.	F	Item	
	To Collection		Rs.	

ITEM	DESCRIPTION	MODE OF PAYMENT CATEGORY	UNIT	AMOUNT(LKR)
B.1	<u>PRELIMINARIES - Cont'd</u>			
	<u>COLLECTION</u>			
	FROM PAGE B-1 / 1		Rs.	
	FROM PAGE B-1 / 2		Rs.	
	FROM PAGE B-1 / 3		Rs.	
	FROM PAGE B-1 / 4		Rs.	
	PRELIMINARIES CARRIED TO GRAND SUMMARY			

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.2.1	<u>DEMOLISHING & DISMANTLING WORK</u>				
	Rate to include for temporary supports incidental to demolitions, disposal of materials other than those remaining for the property of the Employer		note		
	Materials to which have a salvage value, may carefully dismantled, labeled, listed and hand over to the Employer. Rate shall include for complying with this and for providing temporary supports during demolition.		note		
	Preparing inventory of all salvage materials to be handed over to client.		note		
	Coordination of Employer for using of existing services		note		
B.2.1.1	Removing of existing Stainless Steel hand rail	m	23		
	DEMOLISHING & DISMANTLING WORK CARRIED TO BILL NO. 02 - GROUND FLOOR SUMMARY			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.2.2	<u>METAL WORK</u>				
	Shop drawings and samples of aluminium sections, fixing details etc. to be submitted for the approval of the Engineer/Architect before commencement of works	note			
B.2.2.1	Aluminium heavy duty low profile, foot trafficable step tread riveted to box bar and all complete to detail. (In raised floor) Refer Drawing No. SWA-ICTA-AR-CT-A6000-R0	m	13		
	<u>Hand Rail</u>				
B.2.2.2	Supply & fabricate of 50mm dia. GI pipe railing fixed to existing steps & all complete as per detail. Rate shall include for painted with matt black egg shell finish. Refer Drawing No. SWA-ICTA-AR-CT-A7005-R0	m	5		
	METAL WORK CARRIED TO BILL NO. 02 - GROUND FLOOR SUMMARY			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.2.3	<u>DOORS & WNDOWS & PARTITIONS</u>				
i	Aluminium frames described elsewhere to be 60-80 microns powder coated aluminium extrusions to approved colour series selected by the Architect.	note			
ii	Rates for doors shall include for ironmongery including door locks (two turn lock system) & hairline finished stainless steel door handles, door closers etc. (sizes as per drawings),	note			
iii	Door locks, door closers shall be of "Hafele", "Dorma" or approved equivalent	note			
iv	Beading - ' U ' type beading	note			
v	Refer all notes in the drawings & All to be completed as per drawings	note			
vi	Shop drawings and samples of aluminium sections and ironmongery to be submitted for the approval of the Engineer/Architect prior to commencement of fabrication.	note			
vii	Stainless steel fittings, frames etc. shall be of Grade 304	note			
viii	All dimensions to be checked & verified at site prior to fabrication	note			
ix	If any discrepancy in the dimension or description in the BOQ defer from the drawing BOQ supersede the drawing	note			
x	Rates for plywood doors shall include for framing, ironmongery including locks, brass hinges, door closers etc. and complete to detail drawing (refer all notes in the drawings)				
	<u>Glass Doors</u>				
B.2.3.1	Door Type "GD03", 900 x 2100mm overall size 10 mm thick toughened glass single sashed frameless glazed door with and including stainless steel door handles, floor hinges and all other fittings and fixtures complete to working order.	nr	1		
To collection				Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.2.3	<u>DOORS & WNDOWS & PARTITIONS Cont'd</u>				
	<u>Glass Doors - Cont'd</u>				
B.2.3.2	Door Type "GD03A", 900 x 2100mm overall size 10 mm thick toughened glass single sashed frameless glazed door with and including stainless steel door handles, floor hinges, glass sticker and all other fittings and fixtures complete to working order.	nr	1		
	<u>Gypsum Board Flush Door</u>				
B.2.3.3	Door Type "BD01", 900 x 2100mm overall size 12mm thick painted gypsum board single sashed door with acrylic design profile and all other fittings and fixtures complete to detail (colour to be specified)	nr	1		
	<u>Partitions</u>				
	<u>Gypsum board Partition</u>				
B.2.3.4	Full height Gypsum board partition to total thickness of 50mm comprising 12mm thick gypsum board (both sides) fixed to 50x50mm steel frame work at 1350mm centres. Rate shall include for fixing with brass screws, sealing joints with approved joint tape and all complete to detail. (Painting measured separately.)	m ²	95		
	<u>Glazed Partition</u>				
B.2.3.5	Full height glazed partitions (2700mm height) consist of 10mm thick tempered glass with aluminium U profile with silicon bond & all complete to detail. (Sticker measured seperately)	m ²	71		
B.2.3.6	Supply and paste patterned sticker on glass partitions (one side) selected to Architect's approval	m ²	71		
	To collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.2.3	<u>DOORS & WNDOWS & PARTITIONS Cont'd</u>				
	<u>COLLECTION</u>				
	FROM PAGE B/2 - 3			Rs.	
	FROM PAGE B/2 - 4			Rs.	
	DOORS, WNDOWS & PARTITIONS CARRIED TO BILL NO. 02 - GROUND FLOOR SUMMARY			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.2.4	<u>FINISHES</u>				
	Floor Finishes				
i	All tiles to be square cut with no tolerance	note			
ii	All materials specified shall be of recognized brands and the quality, colour, and design to the approval of the Architect	note			
iii	Rates shall include for waste, or any traditional allowances unless otherwise specifically stated in the preambles of trades	note			
iv	Rate shall cover all the requirements to complete the proper completion of the works if not covered in the BOQ description	note			
v.	Rate shall include for supply,install, backing screed,cement putty approved polymer tile grout or adhesive	note			
vi.	Refer with the drawing for relevant code nos & annotationss	note			
	<u>Carpet flooring</u>				
B.2.4.1	Supply & lay 5mm thick Nylon Tufted loop pile carpet tiles with pvc backing in accordance with the manufacturers specifications with an including underlayer, adhesive recommend to carpet manufacturer. Rate shall include for cleaning floors & make good any defects in floors prior to laying of carpet. (Prime cost sum Rs. 2,800/- per m ² excluding VAT)	m ²	240		
	<u>Raised Floor</u>				
B.2.4.2	Raised floor consist of 1850x140x20mm random decking teak finish bamboo plank layer, 40x32mm aluminium battern at 300mm centres, aluminium corner beading, steel L angle, pop riverts, 100x50mm timber frame work at 300mm centres and all complete to detail drg. No. SWA-ICTA-AR-CT-A7000-R0 (100mm wide aluminium heavy duty low profile, foot trafficable step tread measured seperately under 'Metal works')	m ²	40		
	To collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.2.4	<u>FINISHES - Cont'd</u>				
	<u>Wall Finishes</u>				
	<u>Internally</u>				
B.2.4.3	Wall cladding with 10mm thick Acrylic sheet with and including framework.	m ²	10		
B.2.4.4	Supply & paste 35mm wide glass sticker on glass partition (Glass sticker colour to be specified by the Architect & refer glass feature details)	m	25		
B.2.4.5	75mm high x 18mm thick treated solid timber skirting fix to base of wall/columns with screw nails covered with timber dowels including all fixing accessories. Rate shall include for finishing with water based paint system to approval	m	75		
	To collection				Rs.
	<u>COLLECTION</u>				
	FROM PAGE B/2 - 6				Rs.
	FROM PAGE B/2 - 7				Rs.
	FINISHES CARRIED TO BILL NO. 02 - GROUND FLOOR SUMMARY				Rs.

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT(LKR)
B.2.5	<u>PAINTING & DECORATING</u>				
B.2.5.1	Prepare & apply two coats of skim coat, prepare surface smooth with sand paper, apply a coat of "Dulux" , "CIC" or equivalent wall filler & finish with two minimum coats of "Dulux" , "CIC" or equivalent emulsion paint of approved color to gypsum board partitions.	m ²	190		
B.2.5.2	Prepare surface smooth with sand paper, apply a coat of "Dulux" , "CIC" or equivalent wall filler & finish with two minimum coats of "Dulux" , "CIC" or equivalent emulsion paint of approved color to existing walls & columns.	m ²	186		
B.2.5.3	50mm wide floor pattern painted on carpet floor by using "Nippon" , "CIC" or approved equivalent epoxy paint with harden base. (Colour & painting method to be prior approved by the Architect)	m	200		
	PAINTING & DECORATING CARRIED TO BILL NO. 02 - GROUND FLOOR SUMMARY			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT(LKR)
B.2.6	<u>MISCELLANEOUS</u>				
	<u>Vertical Blinds</u>				
B.2.6.1	Supply and installation of vertical Zebra Blinds operated manually (Bead chain) (Prime cost sum Rs. 7,000/- per m2 excluding VAT)	m ²	24		
	<u>Movable Pods</u>				
B.2.6.2	Fabricate customade movable pods using 50x50mm timber batten frame work and covering with 5mm MDF boards and 75mm thk. high density polyurethane seat back cushion and supporting table made with 25mm white melamine boards and entire pod shall movable with using high quality caster wheels. Rate shall include for inbuilt one poer socket, one date point & one light 100mm dia. Reccessed round LED light with external connection and all other necessary works to complete work oder as per detail drawing. (Refer Drawing Nos. SWA-ICTA-AR-CT-A9126-R0)	nr	7		
	MISCELLANEOUS CARRIED TO BILL NO. 02 - GROUND FLOOR SUMMARY				
				Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.2.7	<u>FURNITURE</u>				
	All custom designed furniture to be made of solid surface material to necessary standards & made to given designs & profile	note			
	Stainless steel shall be of Grade 304	note			
	Shop drawings and samples of material to be submitted for prior approval	note			
	Refer image for types of furniture	note			
	Refer Drawing Nos. SWA-ICTA-AR-CT-A9001 to A9126 , SWA-ICTA-AR-CT-A8001 to A8003	note			
	<u>Supply of furniture as follows:-</u>				
	<u>Chairs</u>				
B.2.7.1	High density foam with full PU for the front, rear of the back with PU padded nylon arm - Type C5	nr	3		
B.2.7.2	White PP shell seat with 4 legged Black arched base with castors and dark gray seat pad. - Type C7 (Prime Cost sum Rs. 20,000/- per nr excluding VAT)	nr	2		
B.2.7.3	120x75x105cm Red, faux leather, tear drop shaped large bean bag.- Type BC1 (Prime Cost sum Rs. 15,000/- per nr excluding VAT)	nr	5		
B.2.7.4	Round low profile puff with glides - Type H1 (Prime Cost sum Rs. 10,500/- per nr excluding VAT)	nr	13		
B.2.7.5	2050mm long black colour linier low profile puff with glides - Type LH2 (Prime Cost sum Rs. 30,000/- per nr excluding VAT)	nr	1		
B.2.7.6	1580mm long white colour linier low profile puff with glides - Type LH3 (Prime Cost sum Rs. 25,000/- per nr excluding VAT)	nr	1		
B.2.7.7	1110mm long orange colour linier low profile puff with glides - Type LH4 (Prime Cost sum Rs. 20,000/- per nr excluding VAT)	nr	1		
	To collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.2.7	<u>FURNITURE - Cont'd</u>				
	<u>Tables</u>				
B.2.7.8	2743x1525mm Standard table tennis table - Type TT1	nr	1		
B.2.7.9	1200x600mm white melamine board / Powder coated GI steel base with retractable drawer unit (Furseys Intuity) - Type T4	nr	1		
B.2.7.10	1000mm dia. dark grey melamine table with arched base - Type T9 (Prime Cost sum Rs. 12,500/- per nr excluding VAT)	nr	1		
	<u>Custom made Furniture</u>				
	<u>Cupboards</u>				
B.2.7.11	2000mm high, lockable white melamine movable work pod (oncastor wheels) with oak white table top in the middle. Unit comprises of two seats and power outlets. - Type U2	nr	7		
	<u>Tables</u>				
B.2.7.12	2500x600mm white melamine table with external, beveled orange acrylic design profile bordering table edges as a continuation of the floor pattern - Type RT1 (Prime Cost sum Rs. 125,000/- per nr excluding VAT)	nr	1		
B.2.7.13	1850x600mm white melamine table with chamfered seating corner and beveled orange acrylic design profile bordering table edges - Type RT2 (Prime Cost sum Rs. 100,000/- per nr excluding VAT)	nr	1		
	To collection			Rs.	
	<u>COLLECTION</u>				
	FROM PAGE B/2 - 10			Rs.	
	FROM PAGE B/2 - 11			Rs.	
	FURNITURE CARRIED TO BILL NO. 02 - GROUND FLOOR SUMMARY			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.2.8	<u>ELECTRICAL INSTALLATION</u>				
	All works shall comply with latest 17th edition of IEE wiring regulations. Sample of items shall be submitted in advance for Engineer's approval.	note			
	All wiring shall be done in concealed conduits as and where is possible in other areas.	note			
	Contractor shall submit conduit layouts / plans for the approval of the Engineer before laying of conduits.	note			
	Minimum diameter of pvc electrical conduits shall be one inch and if exposed ¾ inch for GI conduits.	note			
	Locations of Lamp Fittings, Switches, Socket Outlets, and Bulk Power Points are indicated in the drawings.	note			
	All MCCBs, MCBs shall be of reputed brand, preferably Schneider, ABB or Telemecanic.	note			
	All Surface Mounted and Flush Mounted Panel Enclosures shall be of reputed brand preferably of KIK, Magline or Illukkumbura	note			
	All cables shall be of brands preferably "Kelani" or "ACL" or Equivalent	note			
	Catalogs/ CAD drawings with model numbers of offered lamp fittings with supplier's name shall be attached with the tender.	note			
	Wiring shall be measured net as shown on the GFC / As built drawings without any additional leverage for loose cables. The unit rate shall include all necessary loose wiring required for the works in switch boards / junctions / bends / curves / circles and end terminations etc	note			
	No taped joints are permitted and reliable connectors (3M) can be used only where it is absolutely essential.	note			
	Proper earthing of Electrical appliances is essential to the main earth and this includes metal fittings, metal framed signboards etc..	note			
	The contractor should submit the originals of the warranty and guarantee documents in the handing over stage.	note			

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.2.8	<u>ELECTRICAL INSTALLATION - Cont'd</u>				
	<u>Prices are deemed to include for the following</u>				
	Prices of Distribution boards deemed to include for finished enclosures, MCB's, Neutral links dummy plates if any and the required chipping, fixing of DB in walls etc.	note			
	Prices for Under Ground Cable deemed to include for excavation, protection of cable, refilling with excavated earth, consolidation / compaction etc.	note			
	Prices for conduits deemed to include for standard junction boxes and fittings and fixing conduits to or through all building surfaces.	note			
	Prices deemed to include for all cable supports and fixings; providing draw wires, draw cables and similar items for drawing or hoisting cables.	note			
	Co-ordination of works between contractor and subcontractors and/or Principal.	note			
	Providing all samples of materials and finishes as required by the Specification.	note			
	Complying with the relevant Acts, By-laws and regulations.	note			
	Carrying out tests as required.	note			
	Testing all installations as required and specified.	note			
	Submit notices, obtaining permits and completion certificates, paying fees and charges in connection with the relevant installations.	note			
	Obtaining and submitting all guarantees and warranties as specified.	note			
	Quality Assurance and control as specified.	note			
	Providing plans, diagrams, manuals and similar items as required for the relevant installations.	note			
	Coordinating penetrations in connection with the installations.	note			
	Provision of rigid framework in stud walls for the fixing of cable support channels, distribution boards, control panels and similar equipment.	note			
	All Electrical Installation conduct according to BS Standard BS 7671 : 8th edition.	note			

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.2.8	<u>ELECTRICAL INSTALLATION - Cont'd</u>				
	<u>FINAL SUB CIRCUIT LAMP POINT WIRING</u>				
	The wiring shall be in full rigid PVC conduits with the conduit system providing a continuous and effective means of protection for the wiring. The conduit system shall be concealed in the building fabric and where provided under a roof, the conduit shall be clipped to the roof members.	note			
	Indoor Lamp Point Wiring Supply and wiring of 10Amp light point with switch outlet and connectors with other all necessary materials required to make complete installation. Wiring shall be in 1.0mm ² Cu/PVC/PVC cables + E as specified and shown in the electrical drawings.	nr	10		
	<u>Power Points</u>				
	Note : UPS Power sockets in red colour and Raw power sockets shall be in white colour. Indicator socket outlets shall be use for the all power points.				
	13A Single Socket Outlets (Raw Power)				
B.2.8.1	Supply and install 2.5mm ² CU/PVC/PVC cable and 2.5 mm ² earth Cu conductor with all accessories required to make complete installations and wire 230 volts, 13 Amp. Single power socket outlet in ring circuit as specified specifications & illustrated in the electrical drawings. (including 13A Indicator Socket outlet)	nr	26		
	15A Single Socket Outlets (Raw Power)				
B.2.8.2	Supply and install 2.5mm ² CU/PVC/PVC cable and 2.5 mm ² earth Cu conductor with all accessories required to make complete installations and wire 230 volts, 15 Amp. Single power socket outlet in ring circuit as specified specifications & illustrated in the electrical drawings. (including 15A Indicator Socket outlet)	nr	4		
	To Collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.2.8	<u>ELECTRICAL INSTALLATION - Cont'd</u>				
	<u>FEEDER CABLES</u>				
	The cable shall be laid underground when laid outside the building in the method as specified and shall be laid in prepared trench / cable tray / duct when laid inside the building. The cable shall be laid to UPVC pipe at the entry of the building. The unit rate shall include following description.	note			
	The unit rate for each item shall include : Actual cable lengths has to be re-confirmed after shop drawing approvals	note			
	Unloading of Cable	note			
	Provide storage facilities at site store.	note			
	Shifting of cable from site store to place of installation.	note			
	Laying of cable in the prepared trench / cable tray / duct when laid inside the building or underground when laid outside the building.	note			
	Connection of cable.	note			
	Excavation in hard or soft murex / rocky area up to required depth, supply and laying of protection bricks, supply and backfilling with fine sand, leveling the ground to match with the existing condition.	note			
	Supply and fixing of cable clamps, brackets, supports, route markers etc. as required for cable tray, duct.	note			
	Earthling the glands and armouring with earthling clamp and jumper and also connecting to common earth bar.	note			
	Testing of cables.	note			
	Supply and installation of Feeder Cables	note			
	<u>Unarmoured Cables</u> Supply, install, terminate following CU/ PVC/ PVC, CU/ XLPE/PVC cables with all accessories in 32mm dia. PVC Conduits as required to make complete installation according to the specifications and electrical drawings.				
B.2.8.3	1 x 4C 10 mm ² CU/PVC/PVC Cable + 1C 10mm ² Earth Cable (from MDB to GF/DB)	m	9		
	To Collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.2.8	<u>ELECTRICAL INSTALLATION - Cont'd</u>				
	<u>Electrical Panel Boards</u>				
	Supply, installation, assembling, connection, testing and commissioning of Panels as per Specification, BS & relevant drawings.	note			
	All panels and DBs shall be manufacturers Government approved panel manufacturer.	note			
	The unit rate for each item shall include : Supply of panels.	note			
	Testing of panels as per specifications at manufacturer's works in presence of client's representative and/or consultant.	note			
	Delivery of the panels / DB's to site.	note			
	Shifting of the panels from site store to the suitable location.	note			
	Assembly and wiring of component supplied separately.	note			
	Installation of panels as per location arranged by site Engineer in charge including removing packing.	note			
	Earthling all components, frame etc. to a common internal earth bar.	note			
	Touching of body with enable painting for damaged parts. All the nuts bolts & joints exposed to the air shall be covered with suitable anti - oxidant material or as directed by the Engineer in charge.	note			
	Supply and fixing all accessories and supporting structure.	note			
	Checking of Internal connection & wiring, operation of switches, MCCB, MCB etc.	note			
	Supply of necessary tools, hardware, testing hardware, testing equipment during testing at site.	note			
	DISTRIBUTION BOARDS (DBs) (3-Phase)				
	Supply and install following surface mounted type 3-Phase, powder coated metal clad distribution box's, shall be consist with materials required to make complete according to the specified specifications and illustrated in the electrical drawings. (All MCCBs, RCCBs & MCBs should be Hager, Schneider, Terasaki or equivalent) (Please refer the DWG SWA-ICTA-MEP-P1000)				
B.2.8.4	GF/DB	item	1		
	To Collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.2.8	<u>ELECTRICAL INSTALLATION - Cont'd</u>				
	UPS & Separate Wiring				
B.2.8.5	Supply and install Online UPS capacity of 1kVA with necessary power wiring arrangement to wall mounted 13A UPS power socket outlets in Reception area and installation 13A socketoutets. Isolator measured separately.	item	1		
	32A 2P Isolators				
B.2.8.6	Supply and Installation of 32A 2P isolator complete with enclosure and all other required materials.	nr	1		
	<u>Supply and Installation of Light Fittings</u>				
	Light fittings should be of highest quality and shall be subjected to the approval of the Engineer prior to the installation.				
	All LED light fittings shall be complete with LED lamps, electronic Driver, adapter and all other accessories required.				
	Light fittings shall have 2 years warranty for all the components, Such as Lamp, Housing, ballast, emergency kit etc..				
	Recess Down Light				
B.2.8.7	Supply and installation of LED, 10W, IP20, 3000K, 1500Lm 100mm Recess LED Down Light Luminaire complete with all accessories. PC Sum for light fitting - Rs.2,300.00	nr	7		
	LED Strip Light				
B.2.8.8	Supply and installation of LED Strip Light 50mm wide, IP40, rate shall include for driver & complete with all accessories. PC Sum for light fitting & Driver - Rs.1,500.00	m	19		
B.2.8.9	Supply and installation of Neon Flex LED Strip Light, IP40, rate shall include for driver & complete with all accessories. PC Sum for light fitting & Driver - Rs.2,500.00	m	18		
	Emergency Light				
B.2.8.10	Supply and Intallation soffit mountable, Twin, rotatable LED lamps including maintenance free battery for 30 minute operation during mains power failure. PC Sum for Unit - Rs.12,000.00	nr	3		
	To Collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.2.9	<p><u>ELV SYSTEM</u></p> <p>PREAMBLE NOTES The Bidder shall refer the followings prior to pricing the items in this trade</p> <ul style="list-style-type: none"> a. All relevant drawings b. Specifications c. Location of the site d. Access to the site e. Tender and Contract conditions f. Make and type of fittings <p>EXTENT OF WORK The extent of the work as provided for in this bill of quantities shall consist of all the items covered under the Specifications.</p> <p>Rates for all items shall be inclusive of the following.</p> <ul style="list-style-type: none"> a) Provisions of holes, chases...etc. b) All necessary scaffoldings. c) Contractor's overheads & profits d) Providing of samples, tests, specimens etc... for such items of work as required by the Consultant. <p>Rates for supply and installation of ELV System with all necessary internal wiring instrument wiring loops, and necessary hardware fixing where ever necessary and complete as shown in drawing and comply with the specifications, and as per relevant latest B.S. standards and I.E.E. regulations.</p> <p>Rate shall include for necessary chasing, trenching, conduits, cables fittings and clips, cutting holes and chases in brick work/ block work/ concrete work complete with all necessary accessories such as sockets, connections, cable glands, boxes, hardware clips, soldering and jointing materials etc., for proper installing and laying of cables.</p> <p>All under ground cables directly buried in ground to be properly laid in ground trenches and cover with approved material if necessary. Rate for under ground cables shall include for all necessary excavation, sand layers, trench cover, warning strips and back filling with approved quality earth and properly compacted.</p>	<p>note</p> <p>note</p> <p>note</p> <p>note</p> <p>note</p>			

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.2.9	<u>ELV SYSTEM - Cont'd</u>				
	<u>TELEPHONE SYSTEM</u>				
	Telephone Point Wiring				
B.2.9.1	Supply, wiring, installation, terminating of two pair 0.50mm telephone cable from ELV rack to telephone Outlet in 20mm dia. rigid PVC conduit, including Back Boxes, Face Plates, Keystones and all other necessary accessories and consumables. (Including Telephone socket outlet)	nr	5		
	Main Distribution Frame				
B.2.9.2	Supply and install krone type and lockable powder coated metal enclosure type following main distribution frame complete with all accessories, 200 pair MDF	nr	2		
	Sub Distribution Frame				
B.2.9.3	Supply and install krone type and lockable powder coated metal enclosure type following Sub Distribution Frame 1 complete with all accessories, 10 pair	nr	1		
	Cables from MDF1 to MDF2				
B.2.9.4	Supply, wiring, installation, terminating of 50 pair 0.5mm telephone cable from main distribution frame 1 to main distribution frame 2 at ground floor through the rigid PVC conduit complete with all required materials.	Item	1		
	Cables from MDF1 to SDF 1				
B.2.9.5	Supply, wiring, installation, terminating of 10 pair 0.5mm telephone cable from main distribution frame 1 to sub distribution frame 1 at ground floor through the rigid PVC conduit complete with all required materials.	Item	1		
	To Collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.2.9	<u>ELV SYSTEM - Cont'd</u>				
	<u>TELEPHONE SYSTEM - Cont'd</u>				
	Intercom PABX				
B.2.9.6	Supply and Installation of PABX system equipped capacity shall be consisted for 153 nrs. - extensions. 04 nrs. CO Lines Including battery back up and management executive terminal with display and other materials required to make complete installations. (Make "NEC" or "Panasonic")	nr	1		by client
	Earthing Arrangement				
B.2.9.7	Installation of the earthing system for telephone system including earthing rod.	item	1		
	To Collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.2.9	<u>ELV SYSTEM - Cont'd</u>				
	<u>DATA SYSTEM</u>				
	Data Point Wiring				
B.2.9.8	Supply, wiring, installation, terminating of CAT 6 cable from Network rack to Data Outlet (RJ45) in 20mm dia. rigid PVC conduit, including Back Boxes, Face Plates, Keystones and all other necessary accessories and consumables. (Including Data socket with shutter)	nr	9		
	Patch Panel				
B.2.9.9	19" rack mountable, 16 port Cat 6 Patch Panel complete with fixing brackets, and accessories, for complete rack installation	nr	1		
	POE Network Switch				
B.2.9.10	19" rack mountable type, 16 port POE Cat 6 Network Switch complete with fixing brackets, and accessories, for complete rack installation.	nr	1		
	HDMI Point Wiring				
B.2.9.11	Supply, wiring, installation, terminating of Type 3 HDMI cable from ceiling level mounted projector to floor level in 20mm dia. rigid PVC conduit / casing, including Back Boxes, Face Plates, Keystones and all other necessary accessories and consumables. (Including floor mount HDMI socket)	nr	1		
	To Collection			Rs.	
	<u>COLLECTION</u>				
	FROM PAGE B / 2 - 20			Rs.	
	FROM PAGE B / 2 - 21			Rs.	
	FROM PAGE B / 2 - 22			Rs.	
	ELV SYSTEM				
	CARRIED TO MEP SERVICES SUMMARY			Rs.	

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT(LKR)
	<u>SUMMARY</u>				
B.2.1	DISMANTLING & DEMOLISHING WORK			Rs.	
B.2.2	METAL WORK			Rs.	
B.2.3	DOORS, WINDOWS & PARTITIONS			Rs.	
B.2.4	FINISHES			Rs.	
B.2.5	PAINTING & DECORATING			Rs.	
B.2.6	MISCELLANEOUS			Rs.	
B.2.7	FURNITURE			Rs.	
B.2.8	ELECTRICAL INSTALLATION			Rs.	
B.2.9	ELV SYSTEM			Rs.	
	BILL NO. 02 - GROUND FLOOR TOTAL CARRIED TO GRAND SUMMARY			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.3.1	<u>DEMOLISHING & DISMANTLING WORK</u>				
	Rate to include for temporary supports incidental to demolitions, disposal of materials other than those remaining for the property of the Employer		note		
	Materials to which have a salvage value, may carefully dismantled, labeled, listed and hand over to the Employer. Rate shall include for complying with this and for providing temporary supports during demolition.		note		
	Preparing inventory of all salvage materials to be handed over to client.		note		
	Coordination of Employer for using of existing services		note		
B.3.1.1	Dismantle and carefully remove existing ceiling and frame work. (Mineral fibre ceiling in Meeting Rooms)	m ²	54		
B.3.1.2	Removing of existing Stainless Steel hand rail	m	6.1		
	DEMOLISHING & DISMANTLING WORK CARRIED TO BILL NO. 03 - MEZZANINE FLOOR SUMMARY			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.3.3	<u>DOORS & WNDOWS & PARTITIONS</u>				
i	Aluminium frames described elsewhere to be 60-80 microns powder coated aluminium extrusions to approved colour series selected by the Architect.	note			
ii	Rates for doors shall include for ironmongery including door locks (two turn lock system) & hairline finished stainless steel door handles, door closers etc. (sizes as per drawings),	note			
iii	Door locks, door closers shall be of "Hafele", "Dorma" or approved equivalent	note			
iv	Beading - ' U ' type beading	note			
v	Refer all notes in the drawings & All to be completed as per drawings	note			
vi	Shop drawings and samples of aluminium sections and ironmongery to be submitted for the approval of the Engineer/Architect prior to commencement of fabrication.	note			
vii	Stainless steel fittings, frames etc. shall be of Grade 304	note			
viii	All dimensions to be checked & verified at site prior to fabrication	note			
ix	If any discrepancy in the dimension or description in the BOQ defer from the drawing BOQ supersede the drawing	note			
x	Rates for plywood doors shall include for framing, ironmongery including locks, brass hinges, door closers etc. and complete to detail drawing (refer all notes in the drawings)				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.3.4	<u>FINISHES</u>				
	Floor Finishes				
i	All tiles to be square cut with no tolerance	note			
ii	All materials specified shall be of recognized brands and the quality, colour, and design to the approval of the Architect	note			
iii	Rates shall include for waste, or any traditional allowances unless otherwise specifically stated in the preambles of trades	note			
iv	Rate shall cover all the requirements to complete the proper completion of the works if not covered in the BOQ description	note			
v.	Rate shall include for supply,install, backing screed,cement putty approved polymer tile grout or adhesive	note			
vi.	Refer with the drawing for relevant code nos & annotationss	note			
vii.	Samples of all materials to be submitted for approval	note			
	<u>Carpet flooring</u>				
B.3.4.1	Supply & lay 5mm thick Nylon Tufted loop pile carpet tiles with pvc backing in accordance with the manufacturers specifications with an including underlayer, adhesive recommend to carpet manufacturer. Rate shall include for cleaning floors & make good any defects in floors prior to laying of carpet. (Prime cost sum Rs. 2,800/- per m ² excluding VAT)	m ²	66		
B.3.4.2	Supply & lay 5mm thick Nylon Tufted loop pile carpet tiles approved by the architect with pvc backing in accordance with the manufacturers specifications with an including underlayer, adhesive recommend to carpet manufacturer. Rate shall include for cleaning floors & make good any defects in floors prior to laying of carpet. (Prime cost sum Rs. 3,500/- per m ² excluding VAT)	m ²	42		
	To collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.3.4	<u>FINISHES - Cont'd</u>				
	Floor Finishes - Cont'd				
	<u>Raised Floor</u>				
B.3.4.3	Raised floor consist of 1850x140x20mm random decking teak finish bamboo plank layer, 40x32mm aluminium battern at 300mm centres, aluminium corner beading, steel L angle, pop riverts, 100x50mm timber frame work at 300mm centres and all complete to detail drg. No. SWA-ICTA-AR-CT-A7000-R0 (100mm wide aluminium heavy duty low profile, foot trafficable step tread measured seperately under 'Metal works')	m ²	52		
	<u>Wall Finishes</u>				
	<u>Internally</u>				
B.3.4.4	75mm high x 18mm thick treated solid timber skirting fix to base of wall/columns with screw nails covered with timber dowels including all fixing accessories. Rate shall include for finishing with water based paint system to approval	m	51		
	To collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.3.4	<u>FINISHES - Cont'd</u>				
	<u>Ceiling Finishes</u>				
i	Contractor should submit shop drawings, fixing details & get approvals before commencing fabrication	note			
ii	Samples of all materials to be submitted for approval	note			
iii	Openings to be provided for light fittings as specified	note			
iv	Rate shall include for all GI members to be painted with matt black egg shell finish.	note			
B.3.4.5	12mm thick Plaster board suspended ceiling on & including G.I. frame work. Sub frame span to be 600mm maximum and fixed to main frames to fix sheets with & including brass screws at 450 mm max c/c , grooves sealed with approved joint tape, finished with & including 2 coats of total coat applied on entire surface, cut & painted with two coats of emulsion paint to approved colour.	m ²	35		
B.3.4.6	Supply & installation of 25mm thick dark oak wood veneered plywood ceiling fixed to detail. (Frame work measured seperately)	m ²	9		
	<u>Frame Work for Dark oak wood veneered plywood ceiling at bottom level</u>				
B.3.4.7	25mm thick dark oak wood veneered plywood ceiling fixed to existing slab by using aluminium threaded drop rods. (Plywood ceiling measured seperately) Rate shall include for aluminium black powder coated 25x50mm box bar frame work, 25x25mm L angle with 350mm centres in both ways & 18mm thick black melamine board panels (as shown on the drawing) (to hold 100mm dia. Recessed round LED lighting as per Architectural Lighting Layout) and all complete as per detail drawing nos. SWA-ICTA-AR-CT-A9011-R0	m ²	9		
	To collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.3.4	<u>FINISHES - Cont'd</u>				
B.3.4.8	The Bidder will List here and price any items not mentioned herein but may require for satisfactory completion of this section as shown on the drawings & mentioned in the specification				
i	.....	Item	1		
ii	.....			
iii					
	To collection			Rs.	
	<u>COLLECTION</u>				
	FROM PAGE B/3 - 5			Rs.	
	FROM PAGE B/3 - 6			Rs.	
	FROM PAGE B/3 - 7			Rs.	
	FROM PAGE B/3 - 8			Rs.	
	FINISHES CARRIED TO BILL NO. 03 - MEZZANINE FLOOR				
	SUMMARY			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT(LKR)
B.3.5	<u>PAINTING & DECORATING</u>				
B.3.5.1	Prepare & apply two coats of skim coat, prepare surface smooth with sand paper, apply a coat of "Dulux" , "CIC" or equivalent wall filler & finish with two minimum coats of "Dulux" , "CIC" or equivalent emulsion paint of approved color to gypsum board partitions.	m ²	130		
B.3.5.2	Prepare surface smooth with sand paper, apply a coat of "Dulux" , "CIC" or equivalent wall filler & finish with two minimum coats of "Dulux" , "CIC" or equivalent emulsion paint of approved color to existing walls & columns.	m ²	130		
B.3.5.3	50mm wide floor pattern painted on carpet floor by using "Nippon" , "CIC" or approved equivalent epoxy paint with harden base. (Colour & painting method to be prior approved by the Architect)	m	60		
PAINTING & DECORATING CARRIED TO BILL NO. 03 - MEZZANINE FLOOR SUMMARY				Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT(LKR)
B.3.6	<u>MISCELLANEOUS</u>				
	<u>Vertical Blinds</u>				
B.3.6.1	Supply and installation of vertical Zebra Blinds operated manually (Bead chain) (Prime cost sum Rs. 7,000/- per m2 excluding VAT)	m ²	24		
	MISCELLANEOUS CARRIED TO BILL NO. 03 - MEZZANINE FLOOR SUMMARY				
				Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.3.7	<u>FURNITURE</u>				
	All custom designed furniture to be made of solid surface material to necessary standards & made to given designs & profile	note			
	Stainless steel shall be of Grade 304	note			
	Shop drawings and samples of material to be submitted for prior approval	note			
	Refer image for types of furniture	note			
	Refer Drawing Nos. SWA-ICTA-AR-CT-A9001 to A9126 , SWA-ICTA-AR-CT-A8001 to A8003	note			
	<u>Supply of furniture as follows:-</u>				
	<u>Chairs</u>				
B.3.7.1	High density foam full PU for front, rear/PU padded arm - Type C1 (Prime Cost sum Rs. 34,000/- per nr excluding VAT)	nr	2		
B.3.7.2	High density foam with full PPE for the front & rear with PU padded chromed arm - Type C2 (Prime Cost sum Rs. 27,000/- per nr excluding VAT)	nr	3		
B.3.7.3	High density foam with full PU for the front, rear of the back with PU padded nylon arm - Type C5 (Prime Cost sum Rs. 23,000/- per nr excluding VAT)	nr	1		
B.3.7.4	High density foam with full PU for the front and rear with height adjustable with soft PU Padded chromed arm - Type C6 (Prime Cost sum Rs. 25,000/- per nr excluding VAT)	nr	39		
B.3.7.5	Round low profile puff with glides - Type H1 (Prime Cost sum Rs. 10,500/- per nr excluding VAT)	nr	6		
B.3.7.6	2300mm long green colour linier low profile puff with glides - Type LH1 (Prime Cost sum Rs. 40,000/- per nr excluding VAT)	nr	2		
B.3.7.7	900mm long Ash colour contempo chaise end fabric small sofa chair - Type SF2 (Prime Cost sum Rs. 70,000/- per nr excluding VAT)	nr	2		
	To Collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.3.7	<u>FURNITURE - Cont'd</u>				
	<u>Tables</u>				
B.3.7.8	3300mm long Ash colour contempo chaise end fabric custom made couch - Type SF3 (Prime Cost sum Rs. 165,000/- per nr excluding VAT)	nr	1		
B.3.7.9	5700x1900mm 16 seater conference table with dark oak finish - Type T7 (Prime Cost sum Rs. 300,000/- per nr excluding VAT)	nr	1		
B.3.7.10	750x750mm dark oak wood finished coffee table - Type SC1	nr	1		
	<u>Custom made Furniture</u>				
	<u>Cupboards</u>				
B.3.7.11	1300mm high oak white wood wall cupboard /doors with white melamine with middle drawers - Type CU4 (Front panel full height)	nr	1		
B.3.7.12	450x2820x1900mm high white melamine cupboard with shelves on cupboard edge.- Type CU9	nr	1		
	<u>Tables</u>				
B.3.7.13	750x400mm retractable table on castor wheels with dark oak finish - Type T10	nr	23		
B.3.7.14	White melamine table with external, beveled table edges.- Type C16	nr	1		
B.3.7.15	1850x600mm white melamine table with chamfered seating corner and beveled orange acrylic design profile bordering table edges - Type RT2 (Prime Cost sum Rs. 100,000/- per nr excluding VAT)	nr	1		
B.3.7.16	1730x600mm white melamine table with external, beveled orange acrylic design profile bordering table edges.- Type RT3	nr	1		
	<u>Furniture - Pantry</u>				
B.3.7.17	1800mm long 2700mm high oak white wood Pantry with bottom cupboards - Type P3	nr	1		
B.3.7.18	900mm long 2700mm high oak white wood Pantry with bottom cupboards - Type P4	nr	1		
	To Collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.3.7	<u>FURNITURE - Cont'd</u>				
	<u>COLLECTION</u>				
	FROM PAGE B/3 - 11			Rs.	
	FROM PAGE B/3 - 12			Rs.	
	FURNITURE CARRIED TO SUMMARY			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.3.8	<u>ELECTRICAL INSTALLATION</u>				
	All works shall comply with latest 17th edition of IEE wiring regulations. Sample of items shall be submitted in advance for Engineer's approval.	note			
	All wiring shall be done in concealed conduits as and where is possible in other areas.	note			
	Contractor shall submit conduit layouts / plans for the approval of the Engineer before laying of conduits.	note			
	Minimum diameter of pvc electrical conduits shall be one inch and if exposed ¾ inch for GI conduits.	note			
	Locations of Lamp Fittings, Switches, Socket Outlets, and Bulk Power Points are indicated in the drawings.	note			
	All MCCBs, MCBs shall be of reputed brand, preferably Schneider, ABB or Telemechanic.	note			
	All Surface Mounted and Flush Mounted Panel Enclosures shall be of reputed brand preferably of KIK, Magline or Illukkumbura	note			
	Catalogs/ CAD drawings with model numbers of offered lamp fittings with supplier's name shall be attached with the tender.	note			
	Wiring shall be measured net as shown on the GFC / As built drawings without any additional leverage for loose cables. The unit rate shall include all necessary loose wiring required for the works in switch boards / junctions / bends / curves / circles and end terminations etc	note			
	No taped joints are permitted and reliable connectors (3M) can be used only where it is absolutely essential.	note			
	Proper earthing of Electrical appliances is essential to the main earth and this includes metal fittings, metal framed signboards etc..	note			
	The contractor should submit the originals of the warranty and guarantee documents in the handing over stage.	note			

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.3.8	<u>ELECTRICAL INSTALLATION - Cont'd</u>				
	<u>Prices are deemed to include for the following</u>				
	Prices of Distribution boards deemed to include for finished enclosures, MCB's, Neutral links dummy plates if any and the required chipping, fixing of DB in walls etc.	note			
	Prices for Under Ground Cable deemed to include for excavation, protection of cable, refilling with excavated earth, consolidation / compaction etc.	note			
	Prices for conduits deemed to include for standard junction boxes and fittings and fixing conduits to or through all building surfaces.	note			
	Prices deemed to include for all cable supports and fixings; providing draw wires, draw cables and similar items for drawing or hoisting cables.	note			
	Co-ordination of works between contractor and subcontractors and/or Principal.	note			
	Providing all samples of materials and finishes as required by the Specification.	note			
	Complying with the relevant Acts, By-laws and regulations.	note			
	Carrying out tests as required.	note			
	Testing all installations as required and specified.	note			
	Submit notices, obtaining permits and completion certificates, paying fees and charges in connection with the relevant installations.	note			
	Obtaining and submitting all guarantees and warranties as specified.	note			
	Quality Assurance and control as specified.	note			
	Providing plans, diagrams, manuals and similar items as required for the relevant installations.	note			
	Coordinating penetrations in connection with the installations.	note			
	Provision of rigid framework in stud walls for the fixing of cable support channels, distribution boards, control panels and similar equipment.	note			
	All Electrical Installation conduct according to BS Standard BS 7671 : 8th edition.	note			

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.3.8	<u>ELECTRICAL INSTALLATION - Cont'd</u>				
	<u>FINAL SUB CIRCUIT LAMP POINT WIRING</u>				
	The wiring shall be in full rigid PVC conduits with the conduit system providing a continuous and effective means of protection for the wiring. The conduit system shall be concealed in the building fabric and where provided under a roof, the conduit shall be clipped to the roof members.	note			
	<u>Indoor Lamp Point Wiring</u>				
B.3.8.1	Supply and wiring of 10Amp light point with switch outlet and connectors with other all necessary materials required to make complete installation. Wiring shall be in 1.0mm ² Cu/PVC/PVC cables + E as specified and shown in the electrical drawings.	nr	39		
	<u>Power Points</u>				
	Note : UPS Power sockets in red colour and Raw power sockets shall be in white colour. Indicator socket outlets shall be use for the all power points.				
	<u>13A Single Socket Outlets (Raw Power)</u>				
B.3.8.2	Supply and install 2.5mm ² CU/PVC/PVC cable and 2.5 mm ² earth Cu conductor with all accessories required to make complete installations and wire 230 volts, 13 Amp. Single power socket outlet in ring circuit as specified specifications & illustrated in the electrical drawings. (including 13A Indicator Socket outlet)	nr	31		
	<u>15A Single Socket Outlets (Raw Power)</u>				
B.3.8.3	Supply and install 2.5mm ² CU/PVC/PVC cable and 2.5 mm ² earth Cu conductor with all accessories required to make complete installations and wire 230 volts, 15 Amp. Single power socket outlet in ring circuit as specified specifications & illustrated in the electrical drawings. (including 15A Indicator Socket outlet)	nr	1		
	To Collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.3.8	<u>ELECTRICAL INSTALLATION - Cont'd</u>				
	<u>FEEDER CABLES</u>				
	The cable shall be laid underground when laid outside the building in the method as specified and shall be laid in prepared trench / cable tray / duct when laid inside the building. The cable shall be laid to UPVC pipe at the entry of the building. The unit rate shall include following description.	note			
	The unit rate for each item shall include : Actual cable lengths has to be re-confirmed after shop drawing approvals	note			
	Unloading of Cable	note			
	Provide storage facilities at site store.	note			
	Shifting of cable from site store to place of installation.	note			
	Laying of cable in the prepared trench / cable tray / duct when laid inside the building or underground when laid outside the building.	note			
	Connection of cable.	note			
	Excavation in hard or soft murex / rocky area up to required depth, supply and laying of protection bricks, supply and backfilling with fine sand, leveling the ground to match with the existing condition.	note			
	Supply and fixing of cable clamps, brackets, supports, route markers etc. as required for cable tray, duct.	note			
	Earthling the glands and armouring with earthling clamp and jumper and also connecting to common earth bar.	note			
	Testing of cables.	note			
	Supply and installation of Feeder Cables	note			
	<u>Unarmoured Cables</u> Supply, install, terminate following CU/ PVC/ PVC, CU/ XLPE/PVC cables with all accessories in 32mm dia. PVC Conduits as required to make complete installation according to the specifications and electrical drawings.				
B.3.8.4	1 x 4C 10 mm ² CU/PVC/PVC Cable + 1C 10mm ² Earth Cable (from MDB to MF/DB)	m	13		
	To Collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.3.8	<u>ELECTRICAL INSTALLATION - Cont'd</u>				
	<u>Electrical Panel Boards</u>				
	Supply, installation, assembling, connection, testing and commissioning of Panels as per Specification, BS & relevant drawings.	note			
	All panels and DBs shall be manufacturers Government approved panel manufacturer.	note			
	The unit rate for each item shall include : Supply of panels.	note			
	Testing of panels as per specifications at manufacturer's works in presence of client's representative and/or consultant.	note			
	Delivery of the panels / DB's to site.	note			
	Shifting of the panels from site store to the suitable location.	note			
	Assembly and wiring of component supplied separately.	note			
	Installation of panels as per location arranged by site Engineer in charge including removing packing.	note			
	Earthling all components, frame etc. to a common internal earth bar.	note			
	Touching of body with enable painting for damaged parts. All the nuts bolts & joints exposed to the air shall be covered with suitable anti - oxidant material or as directed by the Engineer in charge.	note			
	Supply and fixing all accessories and supporting structure.	note			
	Checking of Internal connection & wiring, operation of switches, MCCB, MCB etc.	note			
	Supply of necessary tools, hardware, testing hardware, testing equipment during testing at site.	note			
	DISTRIBUTION BOARDS (DBs) (3-Phase)				
	Supply and install following surface mounted type 3-Phase, powder coated metal clad distribution box's, shall be consist with materials required to make complete according to the specified specifications and illustrated in the electrical drawings. (All MCCBs, RCCBs & MCBs should be Hager, Schneider, Terasaki or equivalent) (Please refer the DWG SWA-ICTA-MEP-D1061)				
B.3.8.5	MF/DB	item	1		
	To Collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.3.8	<u>ELECTRICAL INSTALLATION - Cont'd</u>				
	<u>Supply and Installation of Light Fittings</u>				
	Light fittings should be of highest quality and shall be subjected to the approval of the Engineer prior to the installation.				
	All LED light fittings shall be complete with LED lamps, electronic Driver, adapter and all other accessories required.				
	Light fittings shall have 2 years warranty for all the components, Such as Lamp, Housing, ballast, emergency kit etc..				
	LED Flat Panel Light				
B.3.8.6	Supply and installation of LED Flat panel Light, IP 20, 4000K, 3000Lm 600x600mm Light complete with all accessories. (LED Light + Driver 39W) PC Sum for light fitting - Rs.6,500.00	nr	5		
	Recess Down Light				
B.3.8.7	Supply and installation of LED, 10W, IP20, 3000K, 1500Lm 100mm Recess LED Down Light Luminaire complete with all accessories. PC Sum for light fitting - Rs.2,300.00	nr	28		
	LED Strip Light				
B.3.8.8	Supply and installation of LED Strip Light 50mm wide, IP40, rate shall include for driver & complete with all accessories. PC Sum for light fitting & Driver - Rs.1,500.00	m	42		
B.3.8.9	Supply and installation of LED Strip Light 25mm wide, IP40, rate shall include for driver & complete with all accessories. PC Sum for light fitting & Driver - Rs.1,250.00	m	26		
	Emergency Light				
B.3.8.10	Supply and Intallation soffit mountable, Twin, rotatable LED lamps including maintenance free battery for 30 minute operation during mains power failure. PC Sum for Unit - Rs.12,000.00	nr	3		
	To Collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.3.8	<u>ELECTRICAL INSTALLATION - Cont'd</u>				
	<u>COLLECTION</u>				
	FROM PAGE B / 3 - 16			Rs.	
	FROM PAGE B / 3 - 17			Rs.	
	FROM PAGE B / 3 - 18			Rs.	
	FROM PAGE B / 3 - 19			Rs.	
	ELECTRICAL INSTALLATION				
	CARRIED TO BILL NO. 03 - MEZZANINE FLOOR SUMMARY			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.3.9	<p><u>ELV SYSTEM</u></p> <p>PREAMBLE NOTES The Bidder shall refer the followings prior to pricing the items in this trade</p> <ul style="list-style-type: none"> a. All relevant drawings b. Specifications c. Location of the site d. Access to the site e. Tender and Contract conditions f. Make and type of fittings <p>EXTENT OF WORK The extent of the work as provided for in this bill of quantities shall consist of all the items covered under the Specifications.</p> <p>Rates for all items shall be inclusive of the following.</p> <ul style="list-style-type: none"> a) Provisions of holes, chases...etc. b) All necessary scaffoldings. c) Contractor's overheads & profits d) Providing of samples, tests, specimens etc... for such items of work as required by the Consultant. <p>Rates for supply and installation of ELV System with all necessary internal wiring instrument wiring loops, and necessary hardware fixing where ever necessary and complete as shown in drawing and comply with the specifications, and as per relevant latest B.S. standards and I.E.E. regulations.</p> <p>Rate shall include for necessary chasing, trenching, conduits, cables fittings and clips, cutting holes and chases in brick work/ block work/ concrete work complete with all necessary accessories such as sockets, connections, cable glands, boxes, hardware clips, soldering and jointing materials etc., for proper installing and laying of cables.</p> <p>All under ground cables directly buried in ground to be properly laid in ground trenches and cover with approved material if necessary. Rate for under ground cables shall include for all necessary excavation, sand layers, trench cover, warning strips and back filling with approved quality earth and properly compacted.</p>	<p>note</p> <p>note</p> <p>note</p> <p>note</p>			

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.3.9	<u>ELV SYSTEM - Cont'd</u>				
	<u>TELEPHONE SYSTEM</u>				
	Telephone Point Wiring				
B.3.9.1	Supply, wiring, installation, terminating of two pair 0.50mm telephone cable from ELV rack to telephone Outlet in 20mm dia. rigid PVC conduit, including Back Boxes, Face Plates, Keystones and all other necessary accessories and consumables. (Including Telephone socket outlet)	nr	4		
	Sub Distribution Frames				
B.3.9.2	Supply and install krone type and lockable powder coated metal encloser type following Sub Distribution Frame 1 complete with all accessories, 10 pair	nr	1		
	Cables from MDF1 to SDF 2				
B.3.9.3	Supply, wiring, installation, terminating of 10 pair 0.5mm telephone cable from main distribution frame to sub distribution frame 2 at mezzanine floor through the rigid PVC conduit complete with all required materials.	Item	1		
	Earthing Arrangement				
B.3.9.4	Installation of the earthing system for telephone system including earthing rod.	Item	1		
	To Collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.3.9	<u>ELV SYSTEM - Cont'd</u>				
	<u>DATA SYSTEM</u>				
	Data Point Wiring				
B.3.9.5	Supply, wiring, installation, terminating of CAT 6 cable from Network rack to Data Outlet (RJ45) in 20mm dia. rigid PVC conduit, including Back Boxes, Face Plates, Keystones and all other necessary accessories and consumables. (Including Data socket with shutter)	nr	9		
	Patch Panel				
B.3.9.6	19" rack mountable, 16 port Cat 6 Patch Panel complete with fixing brackets, and accessories, for complete rack installation.	nr	1		
	POE Network Switch				
B.3.9.7	19" rack mountable type, 16 port POE Cat 6 Network Switch complete with fixing brackets, and accessories, for complete rack installation.	nr	1		
	ELV Rack				
B.3.9.8	Supply and installation of 3U Wall mounted type 19" rack unit with, glassed lockable door,cable management unit, fan plate with 1 no. fans complete with fixing brackets and accessories for complete rack installation.	nr	1		
	HDMI Point Wiring				
B.3.9.9	Supply, wiring, installation, terminating of Type 3 HDMI cable from ceiling level mounted projector to floor level in 20mm dia. rigid PVC conduit / casing, including Back Boxes, Face Plates, Keystones and all other necessary accessories and consumables. (Including floor mount HDMI socket)	nr	1		
	To Collection			Rs.	
	<u>COLLECTION</u>				
	FROM PAGE B / 3 - 22			Rs.	
	FROM PAGE B / 3 - 23			Rs.	
	ELV SYSTEM				
	CARRIED TO BILL NO.03 - MEZZANINE FLOOR SUMMARY			Rs.	

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT(LKR)
	<u>SUMMARY</u>				
B.3.1	DISMANTLING & DEMOLISHING WORK			Rs.	
B.3.2	METAL WORK			Rs.	
B.3.3	DOORS, WINDOWS & PARTITIONS			Rs.	
B.3.4	FINISHES			Rs.	
B.3.5	PAINTING & DECORATING			Rs.	
B.3.6	MISCELLANEOUS			Rs.	
B.3.7	FURNITURE			Rs.	
B.3.8	ELECTRICAL INSTALLATION			Rs.	
B.3.9	ELV SYSTEM			Rs.	
	BILL NO. 03 - MEZZANINE FLOOR TOTAL CARRIED TO GRAND SUMMARY			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.4.1	<u>DEMOLISHING & DISMANTLING WORK</u>				
	Rate to include for temporary supports incidental to demolitions, disposal of materials other than those remaining for the property of the Employer		note		
	Materials to which have a salvage value, may carefully dismantled, labeled, listed and hand over to the Employer. Rate shall include for complying with this and for providing temporary supports during demolition.		note		
	Preparing inventory of all salvage materials to be handed over to client.		note		
	Coordination of Employer for using of existing services		note		
B.4.1.1	Dismantle and carefully remove existing ceiling and frame work. (Mineral fibre ceiling in Meeting Rooms)	m ²	26		
	DEMOLISHING & DISMANTLING WORK CARRIED TO BILL NO. 04 - FIRST FLOOR SUMMARY			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.4.2	<u>CARPENTRY</u>				
	Shop drawings and samples of materials, fixing details etc. to be submitted for the approval of the Engineer/Architect before commencement of works	note			
	Unless otherwise specified, rates for all timber members shall include for finishing exposed timber surfaces with "Sayerlack" or approved equivalent water base paint system to approved colour / stain in accordance with the manufacturers specifications.	note			
B.4.2.1	50 x 50mm timber (pinewood) batterens fixed vertically to the gypsum partition (gypsum partition measured separately) including all necessary fixing accessories.	m ²	14		
	CARPENTRY WORK CARRIED TO BILL NO. 04 - FIRST FLOOR SUMMARY			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.4.3	<u>METAL WORK</u> Shop drawings and samples of aluminium sections, fixing details etc. to be submitted for the approval of the Engineer/Architect before commencement of works <u>Perforated Metal Partition</u>	note			
B.4.3.1	2700mm high Perforated anodized metal partition with aluminium frame "U" profile and all complete to detail.	m ²	18		
	METAL WORK CARRIED TO BILL NO. 04 - FIRST FLOOR SUMMARY			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.4.4	<u>DOORS, WNDOWS & PARTITIONS</u>				
i	Aluminium frames described elsewhere to be 60-80 microns powder coated aluminium extrusions to approved colour series selected by the Architect.	note			
ii	Rates for doors shall include for ironmongery including door locks (two turn lock system) & hairline finished stainless steel door handles, door closers etc. (sizes as per drawings),	note			
iii	Door locks, door closers shall be of "Hafele", "Dorma" or approved equivalent	note			
iv	Beading - ' U ' type beading	note			
v	Refer all notes in the drawings & All to be completed as per drawings	note			
vi	Shop drawings and samples of aluminium sections and ironmongery to be submitted for the approval of the Engineer/Architect prior to commencement of fabrication.	note			
vii	Stainless steel fittings, frames etc. shall be of Grade 304	note			
viii	All dimensions to be checked & verified at site prior to fabrication	note			
ix	If any discrepancy in the dimension or description in the BOQ defer from the drawing BOQ supersede the drawing	note			
xi	Rates for plywood doors shall include for framing, ironmongery including locks, brass hinges, door closers etc. and complete to detail drawing (refer all notes in the drawings)				
	<u>Timber framed Plywood Doors</u>				
B.4.4.1	Door type "D01", 965x2100mm overall size 100X75 mm timber framed solid plywood single sash door complete as per detail.	nr	3		
B.4.4.2	Door type "D02", 800x2100mm overall size 100x75mm timber framed marine plywood single sash door complete as per detail.	nr	1		
	To collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.4.4	<u>DOORS, WNDOWS & PARTITIONS - Cont'd</u>				
	<u>Glass Doors</u>				
B.4.4.3	Door Type "GD01", 1525 x 2100mm overall size 10 mm thick toughened glass double sashed frameless glazed door with and including stainless steel door handles, floor hinges and all other fittings and fixtures complete to working order.	nr	2		
B.4.4.4	Door Type "GD02", 800 x 2100mm overall size 10 mm thick toughened glass single sashed frameless glazed door with and including stainless steel door handles, floor hinges and all other fittings and fixtures complete to working order.	nr	2		
	<u>Gypsum board Partition</u>				
B.4.4.5	Full height Gypsum board partition to total thickness of 50mm comprising 12mm thick gypsum board (both sides) fixed to 50x50mm steel frame work at 1350mm centres. Rate shall include for fixing with brass screws, sealing joints with approved joint tape and all complete to detail. (Painting measured separately.)	m ²	82		
B.4.4.6	1200mm height Gypsum board partition to total thickness of 50mm comprising 12mm thick gypsum board (both sides) fixed to 50x50mm steel frame work at 1350mm centres. Rate shall include for fixing with brass screws, sealing joints with approved joint tape and all complete to detail. (Painting measured separately.)	m ²	12		
	<u>Glazed Partition</u>				
B.4.4.7	Full height glazed partitions (2700mm height) consist of 10mm thick tempered glass with aluminium U profile with silicon bond & all complete to detail. (Sticker measured seperately)	m ²	88		
B.4.4.8	Supply and paste patterned sticker on glass partitions (one side) selected to Architect's approval	m ²	34		
	To collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.4.4	<u>DOORS, WINDOWS & PARTITIONS - Cont'd</u>				
	<u>COLLECTION</u>				
	From Page B/4 - 4			Rs.	
	From Page B/4 - 5			Rs.	
	DOORS, WINDOWS & PARTITIONS CARRIED TO BILL				
	NO. 04 - FIRST FLOOR SUMMARY			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.4.5	<u>FINISHES</u>				
	Floor Finishes				
i	All tiles to be square cut with no tolerance	note			
ii	All materials specified shall be of recognized brands and the quality, colour, and design to the approval of the Architect	note			
iii	Rates shall include for waste, or any traditional allowances unless otherwise specifically stated in the preambles of trades	note			
iv	Rate shall cover all the requirements to complete the proper completion of the works if not covered in the BOQ description	note			
v.	Rate shall include for supply,install, backing screed,cement putty approved polymer tile grout or adhesive	note			
vi.	Refer with the drawing for relevant code nos & annotationss	note			
	<u>Carpet flooring</u>				
B.4.5.1	Supply & lay 5mm thick Nylon Tufted loop pile carpet tiles with pvc backing in accordance with the manufacturers specifications with an including underlayer, adhesive recommend to carpet manufacturer. Rate shall include for cleaning floors & make good any defects in floors prior to laying of carpet. (Prime cost sum Rs. 2,800/- per m ² excluding VAT)	m ²	197		
B.4.5.2	Supply & lay 8mm beveled edged HDF engineered PVC Vinyl laminated timber planks (Supreme floors - SV-512-Teak or approved equivalent) (Prime cost sum Rs. 4,610/- per m ² excluding VAT)	m ²	118		
	<u>Wall Finishes</u>				
	<u>Internally</u>				
B.4.5.3	75mm high x 18mm thick treated solid timber skirting fix to base of wall/columns with screw nails covered with timber dowels including all fixing accessories. Rate shall include for finishing with water based paint system to approval	m	63		
To collection				Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.4.5	<u>FINISHES - Cont'd</u>				
	<u>Ceiling Finishes</u>				
i	Contractor should submit shop drawings, fixing details & get approvals before commencing fabrication	note			
ii	Samples of all materials to be submitted for approval	note			
iii	Openings to be provided for light fittings as specified	note			
iv	Rate shall include for all GI members to be painted with matt black egg shell finish.	note			
B.4.5.4	12mm thick Plaster board suspended ceiling on & including G.I. frame work. Sub frame span to be 600mm maximum and fixed to main frames to fix sheets with & including brass screws at 450 mm max c/c , grooves sealed with approved joint tape, finished with & including 2 coats of total coat applied on entire surface, cut & painted with two coats of emulsion paint to approved colour.	m ²	21		
B.4.5.5	Supply & installation of 25mm thick dark oak wood veneered plywood ceiling fixed to detail. (Frame work measured seperately)	m ²	5		
	<u>Frame Work for Dark oak wood veneered plywood ceiling at top level</u>				
B.4.5.6	25mm thick dark oak wood veneered plywood ceiling fixed to existing slab by using aluminium threaded drop rods. (Plywood ceiling measured seperately) Rate shall include for 25x50mm box bar frame work, L angle, rubber washer and all other necessary accessories to SWA-ICTA-AR-CT-A9011-R0	m ²	5		
To collection					Rs.

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.4.5	<u>FINISHES - Cont'd</u>				
	<u>Ceiling Finishes - Cont'd</u>				
	<u>Frame Work for Dark oak wood veneered plywood ceiling at bottom level</u>				
B.4.5.7	25mm thick dark oak wood veneered plywood ceiling fixed to existing slab by using aluminium threaded drop rods. (Plywood ceiling measured seperately) Rate shall include for aluminium black powder coated 25x50mm box bar frame work,25x25mm L angle with 350mm centres in both ways & 18mm thick black melamine board panels (as shown on the drawing) (to hold 100mm dia. Recessed round LED lighting as per Architectural Lighting Layout) and all complete as per detail drawing nos. SWA-ICTA-AR-CT-A9011-R0	m ²	13		
B.4.5.8	The Bidder will List here and price any items not mentioned herein but may require for satisfactory completion of this section as shown on the drawings & mentioned in the specification	Item	1		
i	.....			
ii	.....			
iii					
	To collection			Rs.	
	<u>COLLECTION</u>				
	FROM PAGE B/4 - 7			Rs.	
	FROM PAGE B/4 - 8			Rs.	
	FROM PAGE B/4 - 9			Rs.	
	FINISHES CARRIED TO BILL NO. 04 - FIRST FLOOR SUMMARY			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT(LKR)
B.4.7	<u>MISCELLANEOUS</u>				
	<u>Vertical Blinds</u>				
B.4.7.1	Supply and installation of vertical Zebra Blinds operated manually (Bead chain) (Prime cost sum Rs. 7,000/- per m2 excluding VAT)	m ²	73		
	MISCELLANEOUS CARRIED TO BILL NO. 04 - FIRST FLOOR SUMMARY				
				Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.4.8	<u>FURNITURE</u>				
	All custom designed furniture to be made of solid surface material to necessary standards & made to given designs & profile	note			
	Stainless steel shall be of Grade 304	note			
	Shop drawings and samples of material to be submitted for prior approval	note			
	Refer image for types of furniture	note			
	Refer Drawing Nos. SWA-ICTA-AR-CT-A9001 to A9126 , SWA-ICTA-AR-CT-A8001 to A8003	note			
	<u>Supply of furniture as follows:-</u>				
	<u>Cupboards</u>				
B.4.8.1	4425x1900mm high oak white wood wall cupboard with center tall cupboard/side doors to be tinted glass - Type CU1	nr	1		
	<u>Chairs</u>				
B.4.8.2	High density foam full PU for front, rear/PU padded arm - Type C1	nr	2		
B.4.8.3	High density foam with full PPE for the front & rear with PU padded chromed arm - Type C2	nr	6		
B.4.8.4	High density foam with full PPE for the front & rear with height adjustable with soft PU padded chromed arm - Type C3	nr	5		
B.4.8.5	Modern bentwood chair in charcoal gray linen look fabric - Type C4 (refer image) (Prime Cost sum Rs. 30,000/- per nr excluding VAT)	nr	11		
B.4.8.6	High density foam with full PU for the front, rear of the back with PU padded nylon arm - Type C5	nr	29		
B.4.8.7	High density foam with full PU for the front and rear with height adjustable with soft PU Padded chromed arm - Type C6	nr	18		
	To collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.4.8	<u>FURNITURE - Cont'd</u>				
B.4.8.8	Round low profile puff with glides - Type H1 (Prime Cost sum Rs. 10,500/- per nr excluding VAT)	nr	3		
B.4.8.9	2800mm long Ash colour contempo chaise end fabric couch Type SF1 (Prime Cost sum Rs. 150,000/- per nr excluding VAT)	nr	2		
B.4.8.10	900mm long Ash colour contempo chaise end fabric small sofa chair - Type SF2 (Prime Cost sum Rs. 70,000/- per nr excluding VAT)	nr	1		
	<u>Tables</u>				
B.4.8.11	4300x1000mm dark oak wood 10 seater meeting table - Type T1 (Prime Cost sum Rs. 150,000/- per nr excluding VAT)	nr	1		
B.4.8.12	2100x1700 mm dark oak wood L shaped table with side drawer unit - Type T2 (Prime Cost sum Rs. 60,000/- per nr excluding VAT)	nr	2		
B.4.8.13	1200x600mm white melamine board / Powder coated GI steel base with retractable drawer unit (Furseys Intuity) - Type T4	nr	29		
B.4.8.14	4000x1000mm 8 seater meeting table with white melamine board - Type T5 (Prime Cost sum Rs. 135,000/- per nr excluding VAT)	nr	1		
B.4.8.15	750x750mm dark oak wood finished coffee table - Type SC1	nr	1		
	To collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.4.8	<u>FURNITURE - Cont'd</u>				
	<u>Custom made Furniture</u>				
	<u>Cupboards</u>				
B.4.8.16	3118x1900mm high oak white wood wall cupboard with center tall cupboard / side doors to be tinted glass - Type CU2	nr	1		
B.4.8.17	1600mm high oak white wood wall cupboard with middle drawers - Type CU3 (Front panel full height)	nr	1		
B.4.8.18	1300mm high oak white wood wall cupboard /doors with white melamine with middle drawers - Type CU4 (Front panel full height)	nr	5		
	<u>Furniture - Pantry</u>				
B.4.8.19	2100mm long 2700mm high oak white wood Pantry with top & bottom cupboards - Type P1	nr	1		
B.4.8.20	3300mm long 2700mm high oak white wood Pantry with top & bottom cupboards - Type P2	nr	1		
	To collection				Rs.
	<u>COLLECTION</u>				
	FROM PAGE B/4 - 12				Rs.
	FROM PAGE B/4 - 13				Rs.
	FROM PAGE B/4 - 14				Rs.
	FURNITURE CARRIED TO BILL NO. 04 - FIRST FLOOR SUMMARY				Rs.

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.4.9	<u>ELECTRICAL INSTALLATION</u>				
	All works shall comply with latest 17th edition of IEE wiring regulations. Sample of items shall be submitted in advance for Engineer's approval.	note			
	All wiring shall be done in concealed conduits as and where is possible in other areas.	note			
	Contractor shall submit conduit layouts / plans for the approval of the Engineer before laying of conduits.	note			
	Minimum diameter of pvc electrical conduits shall be one inch and if exposed ¾ inch for GI conduits.	note			
	Locations of Lamp Fittings, Switches, Socket Outlets, and Bulk Power Points are indicated in the drawings.	note			
	All MCCBs, MCBs shall be of reputed brand, preferably Schneider, ABB or Telemechanic.	note			
	All Surface Mounted and Flush Mounted Panel Enclosures shall be of reputed brand preferably of KIK, Magline or Illukkumbura	note			
	Catalogs/ CAD drawings with model numbers of offered lamp fittings with supplier's name shall be attached with the tender.	note			
	Wiring shall be measured net as shown on the GFC / As built drawings without any additional leverage for loose cables. The unit rate shall include all necessary loose wiring required for the works in switch boards / junctions / bends / curves / circles and end terminations etc	note			
	No taped joints are permitted and reliable connectors (3M) can be used only where it is absolutely essential.	note			
	Proper earthing of Electrical appliances is essential to the main earth and this includes metal fittings, metal framed signboards etc..	note			
	The contractor should submit the originals of the warranty and guarantee documents in the handing over stage.	note			

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.4.9	<u>ELECTRICAL INSTALLATION - Cont'd</u>				
	<u>Prices are deemed to include for the following</u>				
	Prices of Distribution boards deemed to include for finished enclosures, MCB's, Neutral links dummy plates if any and the required chipping, fixing of DB in walls etc.	note			
	Prices for Under Ground Cable deemed to include for excavation, protection of cable, refilling with excavated earth, consolidation / compaction etc.	note			
	Prices for conduits deemed to include for standard junction boxes and fittings and fixing conduits to or through all building surfaces.	note			
	Prices deemed to include for all cable supports and fixings; providing draw wires, draw cables and similar items for drawing or hoisting cables.	note			
	Co-ordination of works between contractor and subcontractors and/or Principal.	note			
	Providing all samples of materials and finishes as required by the Specification.	note			
	Complying with the relevant Acts, By-laws and regulations.	note			
	Carrying out tests as required.	note			
	Testing all installations as required and specified.	note			
	Submit notices, obtaining permits and completion certificates, paying fees and charges in connection with the relevant installations.	note			
	Obtaining and submitting all guarantees and warranties as specified.	note			
	Quality Assurance and control as specified.	note			
	Providing plans, diagrams, manuals and similar items as required for the relevant installations.	note			
	Coordinating penetrations in connection with the installations.	note			
	Provision of rigid framework in stud walls for the fixing of cable support channels, distribution boards, control panels and similar equipment.	note			
	All Electrical Installation conduct according to BS Standard BS 7671 : 8th edition.	note			

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.4.9	<u>ELECTRICAL INSTALLATION - Cont'd</u>				
	<u>FINAL SUB CIRCUIT LAMP POINT WIRING</u>				
	The wiring shall be in full rigid PVC conduits with the conduit system providing a continuous and effective means of protection for the wiring. The conduit system shall be concealed in the building fabric and where provided under a roof, the conduit shall be clipped to the roof members.	note			
	Indoor Lamp Point Wiring				
B.4.9.1	Supply and wiring of 10Amp light point with switch outlet and connectors with other all necessary materials required to make complete installation. Wiring shall be in 1.0mm ² Cu/PVC/PVC cables + E as specified and shown in the electrical drawings.	nr	27		
	<u>Power Points</u>				
	Note : UPS Power sockets in red colour and Raw power sockets shall be in white colour. Indicator socket outlets shall be use for the all power points.				
	13A Single Socket Outlets (Raw Power)				
B.4.9.2	Supply and install 2.5mm ² CU/PVC/PVC cable and 2.5 mm ² earth Cu conductor with all accessories required to make complete installations and wire 230 volts, 13 Amp. Single power socket outlet in ring circuit as specified specifications & illustrated in the electrical drawings. (including 13A Indicator Socket outlet)	nr	80		
	13A Single Socket Outlets (UPS Power)				
B.4.9.3	Supply and install 2.5mm ² CU/PVC/PVC cable and 2.5 mm ² earth Cu conductor with all accessories required to make complete installations and wire 230 volts, 13 Amp. Single power socket outlet in ring circuit as specified specifications & illustrated in the electrical drawings. (including 13A Indicator Red Socket outlet)	nr	14		
	13A Single Socket Outlets (A/C Power Indoor Units)				
B.4.9.4	Supply and install 2.5mm ² CU/PVC/PVC cable and 2.5 mm ² earth Cu conductor with all accessories required to make complete installations and wire 230 volts, 13 Amp. Single power socket outlet in radial circuit fix in ceiling level as specified specifications & illustrated in the electrical drawings. (including 13A Indicator Socket outlet)	nr	2		
	To Collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.4.9	<u>ELECTRICAL INSTALLATION - Cont'd</u>				
	<u>FEEDER CABLES</u>				
	The cable shall be laid underground when laid outside the building in the method as specified and shall be laid in prepared trench / cable tray / duct when laid inside the building. The cable shall be laid to UPVC pipe at the entry of the building. The unit rate shall include following description.	note			
	The unit rate for each item shall include : Actual cable lengths has to be re-confirmed after shop drawing approvals	note			
	Unloading of Cable	note			
	Provide storage facilities at site store.	note			
	Shifting of cable from site store to place of installation.	note			
	Laying of cable in the prepared trench / cable tray / duct when laid inside the building or underground when laid outside the building.	note			
	Connection of cable.	note			
	Excavation in hard or soft murex / rocky area up to required depth, supply and laying of protection bricks, supply and backfilling with fine sand, leveling the ground to match with the existing condition.	note			
	Supply and fixing of cable clamps, brackets, supports, route markers etc. as required for cable tray, duct.	note			
	Earthling the glands and armouring with earthling clamp and jumper and also connecting to common earth bar.	note			
	Testing of cables.	note			
	Supply and installation of Feeder Cables	note			
	<u>Unarmoured Cables</u> Supply, install, terminate following CU/ PVC/ PVC, CU/ XLPE/PVC cables with all accessories in 32mm dia. PVC Conduits as required to make complete installation according to the specifications and electrical drawings.				
B.4.9.5	1 x 4C 10 mm ² CU/PVC/PVC Cable + 1C 10mm ² Earth Cable (from MDB to FF/DB)	m	17		
B.4.9.6	1 x 2C 6 mm ² CU/PVC/PVC Cable + 1C 6mm ² Earth Cable (from MDB to UDB/FF)	m	17		
	<u>Ceiling Suspended AC, Outdoor Unit Power Supply</u>				
B.4.9.7	1 x 4C 4mm ² CU/ PVC / PVC Cable + 1C 4mm ² Earth cable (from FF/DB to AC outdoor unit)	m	13		
	To Collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.4.9	<u>ELECTRICAL INSTALLATION - Cont'd</u>				
	<u>Electrical Panel Boards</u>				
	Supply, installation, assembling, connection, testing and commissioning of Panels as per Specification, BS & relevant drawings.	note			
	All panels and DBs shall be manufacturers Government approved panel manufacturer.	note			
	The unit rate for each item shall include : Supply of panels.	note			
	Testing of panels as per specifications at manufacturer's works in presence of client's representative and/or consultant.	note			
	Delivery of the panels / DB's to site.	note			
	Shifting of the panels from site store to the suitable location.	note			
	Assembly and wiring of component supplied separately.	note			
	Installation of panels as per location arranged by site Engineer in charge including removing packing.	note			
	Earthling all components, frame etc. to a common internal earth bar.	note			
	Touching of body with enable painting for damaged parts. All the nuts bolts & joints exposed to the air shall be covered with suitable anti - oxidant material or as directed by the Engineer in charge.	note			
	Supply and fixing all accessories and supporting structure.	note			
	Checking of Internal connection & wiring, operation of switches, MCCB, MCB etc.	note			
	Supply of necessary tools, hardware, testing hardware, testing equipment during testing at site.	note			
B.4.9.8	DISTRIBUTION BOARDS (DBs) (3-Phase)				
	Supply and install following surface mounted type 3-Phase, powder coated metal clad distribution box's, shall be consist with materials required to make complete according to the specified specifications and illustrated in the electrical drawings. (All MCCBs, RCCBs & MCBs should be Hager, Schneider, Terasaki or equivalent) (Please refer the DWG SWA-ICTA-MEP-D1061)				
	FF/DB	item	1		
	To Collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.4.9	<u>ELECTRICAL INSTALLATION - Cont'd</u>				
	DISTRIBUTION BOARDS (DBs) (single-Phase)				
	Supply and install following flush mounted type single-Phase, powder coated metal clad distribution box's, shall be consist with materials required to make complete according to the specified specifications and illustrated in the electrical drawings. (All MCCBs, RCCBs & MCBs should be Hager, Schneider, Terasaki or equivalent) (Please refer the DWG SWA-ICTA-MEP-D1061) Note: UPS supplied by client and isolators measured sepatately				
B.4.9.9	UDB/FF	item	1		
	32A 2P Isolators				
B.4.9.10	Supply and Installation of 32A 2P isolator complete with enclosure and all other required materials.	nr	2		
	32A 4P Isolators (for AC, Outdoor unit)				
B.4.9.11	Supply and Installation of 32A 4P isolator complete with IP 65 weatherproof enclosure and all other required materials.	nr	1		
	<u>Supply and Installation of Light Fittings</u>				
	Light fittings should be of highest quality and shall be subjected to the approval of the Engineer prior to the installation.				
	All LED light fittings shall be complete with LED lamps, electronic Driver, adapter and all other accessories required.				
	Light fittings shall have 2 years warranty for all the components, Such as Lamp, Housing, ballast, emergency kit etc..				
	LED Flat Panel Light				
B.4.9.12	Supply and installation of LED Flat panel Light, IP 20, 4000K, 3000Lm 600x600mm Light complete with all accessories. (LED Light + Driver 39W) PC Sum for light fitting - Rs.6,500.00	nr	13		
	Recess Down Light				
B.4.9.13	Supply and installation of LED, 10W, IP20, 3000K, 1500Lm 100mm Recess LED Down Light Luminaire complete with all accessories. PC Sum for light fitting - Rs.2,300.00	nr	12		
	LED Strip Light				
B.4.9.14	Supply and installation of LED Strip Light 25mm wide, IP40, rate shall include for driver & complete with all accessories. PC Sum for light fitting - Rs.1,500.00	m	30		
	To Collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.4.9	<u>ELECTRICAL INSTALLATION - Cont'd</u>				
B.4.9.15	Emergency Light Supply and Intallation soffit mountable, Twin, rotatable LED lamps including maintenance free battery for 30 minute operation during mains power failure. PC Sum for Unit - Rs.12,000.00	nr	3		
	To Collection			Rs.	
	<u>COLLECTION</u>				
	FROM PAGE B / 4 - 17			Rs.	
	FROM PAGE B / 4 - 18			Rs.	
	FROM PAGE B / 4 - 19			Rs.	
	FROM PAGE B / 4 - 20			Rs.	
	FROM PAGE B / 4 - 21			Rs.	
	ELECTRICAL INSTALLATION CARRIED TO BILL NO. 4 - FIRST FLOOR SUMMARY			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.4.10	<p><u>ELV SYSTEM</u></p> <p>PREAMBLE NOTES The Bidder shall refer the followings prior to pricing the items in this trade</p> <ul style="list-style-type: none"> a. All relevant drawings b. Specifications c. Location of the site d. Access to the site e. Tender and Contract conditions f. Make and type of fittings <p>EXTENT OF WORK The extent of the work as provided for in this bill of quantities shall consist of all the items covered under the Specifications.</p> <p>Rates for all items shall be inclusive of the following.</p> <ul style="list-style-type: none"> a) Provisions of holes, chases...etc. b) All necessary scaffoldings. c) Contractor's overheads & profits d) Providing of samples, tests, specimens etc... for such items of work as required by the Consultant. <p>Rates for supply and installation of ELV System with all necessary internal wiring instrument wiring loops, and necessary hardware fixing where ever necessary and complete as shown in drawing and comply with the specifications, and as per relevant latest B.S. standards and I.E.E. regulations.</p> <p>Rate shall include for necessary chasing, trenching, conduits, cables fittings and clips, cutting holes and chases in brick work/ block work/ concrete work complete with all necessary accessories such as sockets, connections, cable glands, boxes, hardware clips, soldering and jointing materials etc., for proper installing and laying of cables.</p> <p>All under ground cables directly buried in ground to be properly laid in ground trenches and cover with approved material if necessary. Rate for under ground cables shall include for all necessary excavation, sand layers, trench cover, warning strips and back filling with approved quality earth and properly compacted.</p>	<p>note</p> <p>note</p> <p>note</p> <p>note</p>			

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.4.10	<u>ELV SYSTEM - Cont'd</u>				
	<u>TELEPHONE SYSTEM</u>				
	Telephone Point Wiring				
B.4.10.1	Supply, wiring, installation, terminating of two pair 0.50mm telephone cable from ELV rack to telephone Outlet in 20mm dia. rigid PVC conduit, including Back Boxes, Face Plates, Keystones and all other necessary accessories and consumables. (Including Telephone socket outlet)	nr	27		
	Sub Distribution Frames				
B.4.10.2	Supply and install krone type and lockable powder coated metal encloser type following Sub Distribution Frame 1 complete with all accessories, 30 pair	nr	1		
	Cables from MDF to SDF 3				
B.4.10.3	Supply, wiring, installation, terminating of 30 pair 0.5mm telephone cable from main distribution 1 frame to sub distribution frame 3 at 1st floor through the rigid PVC conduit complete with all required materials.	Item	1		
	To Collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.4.10	<u>ELV SYSTEM - Cont'd</u>				
	<u>DATA SYSTEM</u>				
	Data Point Wiring				
B.4.10.4	Supply, wiring, installation, terminating of CAT 6 cable from Network rack to Data Outlet (RJ45) in 20mm dia. rigid PVC conduit, including Back Boxes, Face Plates, Keystones and all other necessary accessories and consumables. (Including Data socket with shutter)	nr	28		
	Patch Panel				
B.4.10.5	19" rack mountable, 32 port Cat 6 Patch Panel complete with fixing brackets, and accessories, for complete rack installation.	nr	1		
	POE Network Switch				
B.4.10.6	19" rack mountable type, 32 port POE Cat 6 Network Switch complete with fixing brackets, and accessories, for complete rack installation.	nr	1		
	HDMI Point Wiring				
B.4.10.7	Supply, wiring, installation, terminating of Type 3 HDMI cable from ceiling level mounted projector to floor level in 20mm dia. rigid PVC conduit / casing, including Back Boxes, Face Plates, Keystones and all other necessary accessories and consumables. (Including floor mount HDMI socket)	nr	1		
	To Collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.4.10	<u>ELV SYSTEM - Cont'd</u>				
	<u>IP CCTV SECURITY SURVEILLANCE SYSTEM</u>				
	This trade includes installation of CCTV networking up to each CCTV camera outlet as indicated in the drawings.				
	Rates for all CCTV cabling shall include for cable connectors, conduits, cable terminators, clips, etc.				
	Rates shall include for screws, nails, pipe hooks, saddles, brackets, sockets, connections, lagging short lengths, back nuts, and the like and all holes chasing, etc., and making good in other trades such as plaster and painting.				
	Rates shall be for recessed conduits and shall include for making necessary cuttings along the walls, excavation, disposal of surplus material, back plastering, etc.				
	Rates shall include for testing and commissioning the entire network as directed by the Engineer.				
	All conduits to be fixed to wall, soffit of slabs or ceilings, etc., and shall be in suitable gauge (with adequate strength) GI or Aluminum clips				
	CCTV Point Wiring				
	Supply and wiring of CCTV points using CAT6 cables and conduiting with sunk boxes, socket outlets, junction boxes, etc... for CCTV system wiring inside the building to complete to working order as per the Drawings and Technical Specifications and IEE Regulations and relevant Standards.				
B.4.10.8	Ground Floor	nr	2		
B.4.10.9	Mezzanine Floor	nr	2		
B.4.10.10	1st Floor	nr	2		
B.4.10.11	2nd Floor	nr	2		
B.4.10.12	3rd Floor	nr	2		
B.4.10.13	4th Floor	nr	2		
B.4.10.14	5th Floor	nr	2		
B.4.10.15	6th Floor	nr	2		
	To Collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.4.10	<u>ELV SYSTEM - Cont'd</u>				
	<u>IP CCTV SECURITY SURVEILLANCE SYSTEM (Cont'd)</u>				
	POE Network Switch				
B.4.10.16	Supply, installation, testing & Commissioning of following Switches & Equipment's complete with, but not limited to, power codes, necessary software, rack mounting kits, transceiver modules, connectors and required consumables and accessories which are required to run the system effectively and efficiently. 16 Port, 19" Rack mountable POE Network Switch	nr	1		
	<u>CCTV Cameras</u>				
	Indoor CCTV Cameras shall have following key features. * IR Bullet/ Dome Network Cameras * 2 MP Resolution (minimum) * 120 dB wide Dynamic Range * PoE (802.3 af Class 3) * Support H.264 + * IP 55 Casing	note			
	IR Bullet CCTV Camera (Indoor)				
B.4.10.17	Supply and installation of Indoor IR Bullet ceiling/wall mount night vision colour CCTV camera, complete with IP 55 casing, ceiling/wall mounted bracket, cable connectors, power supply and accessories for complete installation.	nr	16		
	To Collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.4.10	<u>ELV SYSTEM - Cont'd</u>				
	<u>IP CCTV SECURITY SURVEILLANCE SYSTEM (Cont'd)</u>				
	ELV Rack				
B.4.10.18	Supply and installation of 4U Wall mounted type 19" rack unit with, glassed lockable door,cable management unit, fan plate with 1 no. fans complete with fixing brackets and accessories for complete rack installation.	nr	1		
	To Collection			Rs.	
	<u>COLLECTION</u>				
	FROM PAGE B / 4 - 23			Rs.	
	FROM PAGE B / 4 - 24			Rs.	
	FROM PAGE B / 4 - 25			Rs.	
	FROM PAGE B / 4 - 26			Rs.	
	FROM PAGE B / 4 - 27			Rs.	
	ELV SYSTEM CARRIED TO BILL NO. 04 - FIRST FLOOR SUMMARY			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.4.11	<u>AIR CONDITIONING SYSTEM</u>				
	PREAMBLE NOTES				
	The Bidder shall refer the followings prior to pricing the items in this trade.	note			
	All relevant drawings, Specifications, Location of the site, Access to the site, Tender and Contract conditions, Make and type of fittings.	note			
	To Supply, Install, test and commissioning the AC System as follows; All Air Conditioner Units shall be Good Quality Reputed brand ,samples shall be submitted in advance and approval taken before installation.	note			
	Extra work and/or additional costs are not allowed other than the BOQ amounts without a written request of the Engineer. The drawings provided carry only approximate dimensions.	note			
	The compressor shall be guaranteed for 5 years. The defects liability period for the plant will be 12 months and the contractor shall maintain and service the equipments free of charge during the above 12 months period. The air conditioners offered shall be of reputed make and having service record of more than five years in service. Units Shall be designed and tested for use with refrigerant R 410a or CFC free gas and be equipped with refrigerant line fittings. Rate shall included necessary thermal insulation, pressure testing, refrigerant charge, filter dryers, anti-vibration pads, Threaded seal & hanger rods & vibration hangers. The free pipe length shall be computed based on the distance between indoor and outdoor unit as 5m. All units shall possess remote operating facility.	note			
	Mounting brackets should be hot dipped galvanized.	note			
	All air-conditions should operate with temperature control/ sensors.	note			
	Contractor shall supply maintenance mannual during the project handing over.	note			
	Outdoor Condition All equipment, material and devices and specified ratings furnished under this Work shall be suitable operation in the following outdoor conditions: * Annual Average Dry Bulb Temperature : 31 °C * Annual Average Wet Bulb Temperature : 27 °C * Maximum Dry Bulb Temperature : 33 °C * Maximum Relative Humidity : 90%	note			
	Allowable noise Level In room : 50 dB(A) , In open air at a distance of 2 meters : 60 dB(A) for overall are.	note			

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.4.11	AIR CONDITIONING SYSTEM (Cont'd)				
	Refrigerant pipes shall be provided with supports & as appropriate to prevent amplifications resulting from compressor discharge gas pulsations and mechanical vibrations. Allowance shall be provided for thermal and contractions of pipes, by providing appropriate elbows 3 dimensional pipe configurations.	note			
	Neoprene rubber isolation pads shall be provided under all support points of the unit.	note			
	36,000 BTU/Hr Cassette type AC Units (NOC Area)				
B.4.11.1	Supply & install non-Inverter four way cassette type air condition indoor (Capacity 36,000 BTU) & outdoor unit c/w galvanized angle iron, mounting brackets with stainless steel anchor bolts etc. Make : "LG" , "Panasonic" or equivalent.	nr	1		-
	AIR CONDITIONING SYSTEM				
	CARRIED TO BILL NO. 04 - FIRST FLOOR SUMMARY			Rs	-

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT(LKR)
	<u>SUMMARY</u>				
B.4.1	DISMANTLING & DEMOLISHING WORK			Rs.	
B.4.2	CARPENTRY WORK			Rs.	
B.4.3	METAL WORK			Rs.	
B.4.4	DOORS, WINDOWS & PARTITIONS			Rs.	
B.4.5	FINISHES			Rs.	
B.4.6	PAINTING & DECORATING			Rs.	
B.4.7	MISCELLANEOUS			Rs.	
B.4.8	FURNITURE			Rs.	
B.4.9	ELECTRICAL INSTALLATION			Rs.	
B.4.10	ELV SYSTEM			Rs.	
B.4.11	AIR CONDITIONING SYSTEM			Rs.	
	BILL NO. 04 - FIRST FLOOR TOTAL CARRIED TO GRAND SUMMARY			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.5.1	<u>DEMOLISHING & DISMANTLING WORK</u>				
	Rate to include for temporary supports incidental to demolitions, disposal of materials other than those remaining for the property of the Employer		note		
	Materials to which have a salvage value, may carefully dismantled, labeled, listed and hand over to the Employer. Rate shall include for complying with this and for providing temporary supports during demolition.		note		
	Preparing inventory of all salvage materials to be handed over to client.		note		
	Coordination of Employer for using of existing services		note		
B.5.1.1	Dismantle and carefully remove existing ceiling and frame work. (Mineral fibre ceiling in Meeting Rooms)	m ²	39		
	DEMOLISHING & DISMANTLING WORK CARRIED TO BILL NO. 05 - SECOND FLOOR SUMMARY			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.5.4	<u>DOORS & WNDOWS & PARTITIONS</u>				
i	Aluminium frames described elsewhere to be 60-80 microns powder coated aluminium extrusions to approved colour series selected by the Architect.	note			
ii	Rates for doors shall include for ironmongery including door locks (two turn lock system) & hairline finished stainless steel door handles, door closers etc. (sizes as per drawings),	note			
iii	Door locks, door closers shall be of "Hafele", "Dorma" or approved equivalent	note			
iv	Beading - ' U ' type beading	note			
v	Refer all notes in the drawings & All to be completed as per drawings	note			
vi	Shop drawings and samples of aluminium sections and ironmongery to be submitted for the approval of the Engineer/Architect prior to commencement of fabrication.	note			
vii	Stainless steel fittings, frames etc. shall be of Grade 304	note			
viii	All dimensions to be checked & verified at site prior to fabrication	note			
ix	If any discrepancy in the dimension or description in the BOQ defer from the drawing BOQ supersede the drawing	note			
x	Rates for plywood doors shall include for framing, ironmongery including locks, brass hinges, door closers etc. and complete to detail drawing (refer all notes in the drawings)				
B.5.4.1	Door type "D01", 965x2100mm overall size 100X75 mm timber framed solid plywood single sash door complete as per detail.	nr	2		
	To Collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.5.4	<u>DOORS & WNDOWS & PARTITIONS - Cont'd</u>				
	<u>Timber framed Plywood Doors</u>				
	<u>Glass Doors</u>				
B.5.4.2	Door Type "GD01", 1525 x 2100mm overall size 10 mm thick toughened glass double sashed frameless glazed door with and including stainless steel door handles, floor hinges and all other fittings and fixtures complete to working order.	nr	1		
	<u>Partitions</u>				
	<u>Gypsum board Partition</u>				
B.5.4.3	Full height Gypsum board partition to total thickness of 50mm comprising 12mm thick gypsum board (both sides) fixed to 50x50mm steel frame work at 1350mm centres. Rate shall include for fixing with brass screws, sealing joints with approved joint tape and all complete to detail. (Painting measured separately.)	m ²	82		
B.5.4.4	1200mm height Gypsum board partition to total thickness of 50mm comprising 12mm thick gypsum board (both sides) fixed to 50x50mm steel frame work at 1350mm centres. Rate shall include for fixing with brass screws, sealing joints with approved joint tape and all complete to detail. (Painting measured separately.)	m ²	10		
	<u>Glazed Partition</u>				
B.5.4.5	Full height glazed partitions (2700mm height) consist of 10mm thick tempered glass with aluminium U profile with silicon bond & all complete to detail. (Sticker measured seperately)	m ²	20		
	To Collection			Rs.	
	<u>COLLECTION</u>				
	FROM PAGE B/5 - 4			Rs.	
	FROM PAGE B/5 - 5			Rs.	
	DOORS, WNDOWS & PARTITIONS CARRIED TO BILL NO. 05 - SECOND FLOOR SUMMARY			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.5.5	<u>FINISHES</u>				
	Floor Finishes				
i	All tiles to be square cut with no tolerance	note			
ii	All materials specified shall be of recognized brands and the quality, colour, and design to the approval of the Architect	note			
iii	Rates shall include for waste, or any traditional allowances unless otherwise specifically stated in the preambles of trades	note			
iv	Rate shall cover all the requirements to complete the proper completion of the works if not covered in the BOQ description	note			
v.	Rate shall include for supply,install, backing screed,cement putty approved polymer tile grout or adhesive	note			
vi.	Refer with the drawing for relevant code nos & annotationss	note			
	<u>Carpet flooring</u>				
B.5.5.1	Supply & lay 5mm thick Nylon Tufted loop pile carpet tiles with pvc backing in accordance with the manufacturers specifications with an including underlayer, adhesive recommend to carpet manufacturer. Rate shall include for cleaning floors & make good any defects in floors prior to laying of carpet. (Prime cost sum Rs. 2,800/- per m ² excluding VAT)				
B.5.5.2	Supply & lay 8mm beveled edged HDF engineered PVC Vinyl laminated timber planks (Supreme floors - SV-512-Teak or approved equivalent) (Prime cost sum Rs. 4,610/- per m ² excluding VAT)	m ²	113		
	<u>Wall Finishes</u>				
	<u>Internally</u>				
B.5.5.3	75mm high x 18mm thick treated solid timber skirting fix to base of wall/columns with screw nails covered with timber dowels including all fixing accessories. Rate shall include for finishing with water based paint system to approval	m	64		
	To collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.5.5	<u>FINISHES - Cont'd</u>				
	<u>Ceiling Finishes</u>				
i	Contractor should submit shop drawings, fixing details & get approvals before commencing fabrication	note			
ii	Samples of all materials to be submitted for approval	note			
iii	Openings to be provided for light fittings as specified	note			
iv	Rate shall include for all GI members to be painted with matt black egg shell finish.	note			
B.5.5.4	12mm thick Plaster board suspended ceiling on & including G.I. frame work. Sub frame span to be 600mm maximum and fixed to main frames to fix sheets with & including brass screws at 450 mm max c/c , grooves sealed with approved joint tape, finished with & including 2 coats of total coat applied on entire surface, cut & painted with two coats of emulsion paint to approved colour.	m ²	23		
B.5.5.5	Supply & installation of 25mm thick dark oak wood veneered plywood ceiling fixed to detail. (Frame work measured seperately)	m ²	54		
	<u>Frame Work for Dark oak wood veeneered plywood ceiling at top level</u>				
B.5.5.6	25mm thick dark oak wood veneered plywood ceiling fixed to existing slab by using aluminium threaded drop rods. (Plywood ceiling measured seperately) Rate shall include for 25x50mm box bar frame work, L angle, rubber washer and all other necessary accessories to complete as per detail drawing no. SWA-ICTA-AR-CT-A9011	m ²	54		
	To collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.5.5	<u>FINISHES - Cont'd</u>				
	<u>Ceiling Finishes - Cont'd</u>				
	<u>Frame Work for Dark oak wood veneered plywood ceiling at bottom level</u>				
B.5.5.7	25mm thick dark oak wood veneered plywood ceiling fixed to existing slab by using aluminium threaded drop rods. (Plywood ceiling measured seperately) Rate shall include for aluminium black powder coated 25x50mm box bar frame work,25x25mm L angle with 350mm centres in both ways & 18mm thick black melamine board panels (as shown on the drawing) (to hold 100mm dia. Recessed round LED lighting as per Architectural Lighting Layout) and all complete as per detail drawing nos. SWA-ICTA-AR-CT-A9011-R0	m ²	14		
B.5.5.8	The Bidder will List here and price any items not mentioned herein but may require for satisfactory completion of this section as shown on the drawings & mentioned in the specification	Item	1		
i	.....			
ii	.....			
iii					
	To collection			Rs.	
	<u>COLLECTION</u>				
	FROM PAGE B/5 - 6			Rs.	
	FROM PAGE B/5 - 7			Rs.	
	FROM PAGE B/5 - 8			Rs.	
	FINISHES CARRIED TO BILL NO. 05 - SECOND FLOOR SUMMARY			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT(LKR)
B.5.7	<u>MISCELLANEOUS</u>				
	<u>Vertical Blinds</u>				
B.5.7.1	Supply and installation of vertical Zebra Blinds operated manually (Bead chain) (Prime cost sum Rs. 7,000/- per m2 excluding VAT)	m ²	88		
	<u>Work Station Flower Pots</u>				
	Shop drawings and samples of aluminium sections to be submitted for the approval of the Engineer/Architect prior to commencement of the work.	note			
	Fixing method should be proposed by the Contractor & get the approval from the Engineer.	note			
	Rate shall include for all GI members to be painted with matt black egg shell finish. Rate to include applying two coats of anti-corrosive primer and top coat.	note			
	50x100mm Black powder coated GI hollow box section fixed (anchor bolted) vertically to the existing slab. 25x50mm black powder coated GI hollow box section frame work in both ways and fix to the vertical GI post and hang the corners to the existing slab with using mat black finish 10mm wire rope cables. Aluminium Amplimesh fix to the GI hollow box section frame work. Planter boxes comprising of 25x25mm black powder coated GI hollow box section framed covered with 10mm thick teak colour painted plywood sheet and all complete as per detail drawings. (Refer Drawing Nos. SWA-ICTA-AR-CT-A9001-R0)				
B.5.7.2	Type - 5	m ²	21		
B.5.7.3	Type - 6	m ²	31		
B.5.7.4	Supply & placing of Artificial plants with pots as specified by the Architect.	nr	50		
	To Collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT(LKR)
B.5.7	<u>MISCELLANEOUS - Cont'd</u>				
	<u>Movable Pods with Glass Doors</u>				
B.5.7.5	Fabricate customade movable pods using 50x50mm timber batten frame work and covering with 5mm MDF boards and 75mm thk. high density polyurethane seat back cushion and supporting table made with 25mm white melamine boards and entire pod shall movable with using high quality caster wheels. Rate shall include for inbuilt one poer socket, one date point one light 100mm dia. Recessed round LED light with external connection, 8mm thick tempered glass double sashed door including ironmongery and all other necessary works to complete work oder as per detail (Refer Drawing Nos. SWA-ICTA-AR-CT-A9117-R0)	nr	1		
	To Collection			Rs.	
	<u>COLLECTION</u>				
	FROM PAGE B/5 - 10			Rs.	
	FROM PAGE B/5 - 11			Rs.	
	MISCELLANEOUS CARRIED TO BILL NO. 05 - SECOND FLOOR SUMMARY			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.5.8	<u>FURNITURE</u>				
	All custom designed furniture to be made of solid surface material to necessary standards & made to given designs & profile	note			
	Stainless steel shall be of Grade 304	note			
	Shop drawings and samples of material to be submitted for prior approval	note			
	Refer image for types of furniture	note			
	Refer Drawing Nos. SWA-ICTA-AR-CT-A9001 to A9126 , SWA-ICTA-AR-CT-A8001 to A8003	note			
	<u>Supply of furniture as follows:-</u>				
	<u>Cupboards</u>				
B.5.8.1	4475x2700mm high dark oak white wood wall cupboard with middle lower open shelves/screen to be hang in the center - Type CU5	nr	1		
	<u>Chairs</u>				
B.5.8.2	High density foam full PU for front, rear/PU padded arm - Type C1 (Prime Cost sum Rs. 34,000/- per nr excluding VAT)	nr	1		
B.5.8.3	High density foam with full PPE for the front & rear with PU padded chromed arm - Type C2 (Prime Cost sum Rs. 27,000/- per nr excluding VAT)	nr	3		
B.5.8.4	High density foam with full PPE for the front & rear with height adjustable with soft PU padded chromed arm - Type C3 (Prime Cost sum Rs. 39,000/- per nr excluding VAT)	nr	4		
B.5.8.5	Modern bentwood chair in charcoal gray linen look fabric - Type C4 (refer image) (Prime Cost sum Rs. 30,000/- per nr excluding VAT)	nr	8		
B.5.8.6	High density foam with full PU for the front, rear of the back with PU padded nylon arm - Type C5 (Prime Cost sum Rs. 23,000/- per nr excluding VAT)	nr	45		
	To collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.5.8	<u>FURNITURE - Cont'd</u>				
	<u>Chairs - Cont'd</u>				
B.5.8.7	High density foam with full PU for the front and rear with height adjustable with soft PU Padded chromed arm - Type C6 (Prime Cost sum Rs. 25,000/- per nr excluding VAT)	nr	12		
B.5.8.8	Round low profile puff with glides - Type H1 (Prime Cost sum Rs. 10,500/- per nr excluding VAT)	nr	3		
B.5.8.9	2800mm long Ash colour contempo chaise end fabric couch Type SF1 (Prime Cost sum Rs. 150,000/- per nr excluding VAT)	nr	2		
B.5.8.10	900mm long Ash colour contempo chaise end fabric small sofa chair - Type SF2 (Prime Cost sum Rs. 700,000/- per nr excluding VAT)	nr	2		
B.5.8.11	3300mm long Ash colour contempo chaise end fabric custom made couch - Type SF3 (Prime Cost sum Rs. 165,000/- per nr excluding VAT)	nr	1		
	<u>Tables</u>				
B.5.8.12	2100x1700 mm dark oak wood L shaped table with side drawer unit - Type T2 (Prime Cost sum Rs. 60,000/- per nr excluding VAT)	nr	1		
B.5.8.13	1200x600mm white melamine board / Powder coated GI steel base with retractable drawer unit (Furseys Intuity) - Type T4	nr	30		
B.5.8.14	750x750mm dark oak wood finished coffee table - Type SC1	nr	1		
	To Collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.5.8	<u>FURNITURE - Cont'd</u>				
	<u>Custom made Furniture</u>				
	<u>Cupboards</u>				
B.5.8.15	3118x1900mm high oak white wood wall cupboard with center tall cupboard / side doors to be tinted glass - Type CU2	nr	1		
B.5.8.16	1600mm high oak white wood wall cupboard with middle drawers - Type CU3 (Front panel full height)	nr	1		
B.5.8.17	1300mm high oak white wood wall cupboard /doors with white melamine with middle drawers - Type CU4 (Front panel full height)	nr	4		
	<u>Furniture - Pantry</u>				
B.5.8.18	2000mm high, lockable white melamine movable work pod (oncastor wheels) with oak white table top in the middle. Unit comprises of two seats and power outlets. - Type U2	nr	1		
B.5.8.19	2100mm long 2700mm high oak white wood Pantry with top & bottom cupboards - Type P1	nr	1		
	To Collection			Rs.	
	<u>COLLECTION</u>				
	FROM PAGE B/5 - 12			Rs.	
	FROM PAGE B/5 - 13			Rs.	
	FROM PAGE B/5 - 14			Rs.	
	FURNITURE CARRIED TO BILL NO. 05 - SECOND FLOOR SUMMARY			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.5.9	<u>ELECTRICAL INSTALLATION</u>				
	All works shall comply with latest 17th edition of IEE wiring regulations. Sample of items shall be submitted in advance for Engineer's approval.	note			
	All wiring shall be done in concealed conduits as and where is possible in other areas.	note			
	Contractor shall submit conduit layouts / plans for the approval of the Engineer before laying of conduits.	note			
	Minimum diameter of pvc electrical conduits shall be one inch and if exposed ¾ inch for GI conduits.	note			
	Locations of Lamp Fittings, Switches, Socket Outlets, and Bulk Power Points are indicated in the drawings.	note			
	All MCCBs, MCBs shall be of reputed brand, preferably Schneider, ABB or Telemechanic.	note			
	All Surface Mounted and Flush Mounted Panel Enclosures shall be of reputed brand preferably of KIK, Magline or Illukkumbura	note			
	Catalogs/ CAD drawings with model numbers of offered lamp fittings with supplier's name shall be attached with the tender.	note			
	Wiring shall be measured net as shown on the GFC / As built drawings without any additional leverage for loose cables. The unit rate shall include all necessary loose wiring required for the works in switch boards / junctions / bends / curves / circles and end terminations etc	note			
	No taped joints are permitted and reliable connectors (3M) can be used only where it is absolutely essential.	note			
	Proper earthing of Electrical appliances is essential to the main earth and this includes metal fittings, metal framed signboards etc..	note			
	The contractor should submit the originals of the warranty and guarantee documents in the handing over stage.	note			

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.5.9	<u>ELECTRICAL INSTALLATION - Cont'd</u>				
	<u>Prices are deemed to include for the following</u>				
	Prices of Distribution boards deemed to include for finished enclosures, MCB's, Neutral links dummy plates if any and the required chipping, fixing of DB in walls etc.	note			
	Prices for Under Ground Cable deemed to include for excavation, protection of cable, refilling with excavated earth, consolidation / compaction etc.	note			
	Prices for conduits deemed to include for standard junction boxes and fittings and fixing conduits to or through all building surfaces.	note			
	Prices deemed to include for all cable supports and fixings; providing draw wires, draw cables and similar items for drawing or hoisting cables.	note			
	Co-ordination of works between contractor and subcontractors and/or Principal.	note			
	Providing all samples of materials and finishes as required by the Specification.	note			
	Complying with the relevant Acts, By-laws and regulations.	note			
	Carrying out tests as required.	note			
	Testing all installations as required and specified.	note			
	Submit notices, obtaining permits and completion certificates, paying fees and charges in connection with the relevant installations.	note			
	Obtaining and submitting all guarantees and warranties as specified.	note			
	Quality Assurance and control as specified.	note			
	Providing plans, diagrams, manuals and similar items as required for the relevant installations.	note			
	Coordinating penetrations in connection with the installations.	note			
	Provision of rigid framework in stud walls for the fixing of cable support channels, distribution boards, control panels and similar equipment.	note			
	All Electrical Installation conduct according to BS Standard BS 7671 : 8th edition.	note			

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.5.9	<u>ELECTRICAL INSTALLATION - Cont'd</u>				
	<u>FINAL SUB CIRCUIT LAMP POINT WIRING</u>				
	The wiring shall be in full rigid PVC conduits with the conduit system providing a continuous and effective means of protection for the wiring. The conduit system shall be concealed in the building fabric and where provided under a roof, the conduit shall be clipped to the roof members.	note			
	<u>Indoor Lamp Point Wiring</u>				
B.5.9.1	Supply and wiring of 10Amp light point with switch outlet and connectors with other all necessary materials required to make complete installation. Wiring shall be in 1.0mm ² Cu/PVC/PVC cables + E as specified and shown in the electrical drawings.	nr	47		
	<u>Power Points</u>				
	Note : UPS Power sockets in red colour and Raw power sockets shall be in white colour. Indicator socket outlets shall be use for the all power points.				
	<u>13A Single Socket Outlets (Raw Power)</u>				
B.5.9.2	Supply and install 2.5mm ² CU/PVC/PVC cable and 2.5 mm ² earth Cu conductor with all accessories required to make complete installations and wire 230 volts, 13 Amp. Single power socket outlet in ring circuit as specified specifications & illustrated in the electrical drawings. (including 13A Indicator Socket outlet)	nr	82		
	<u>15A Single Socket Outlets (Raw Power)</u>				
B.5.9.3	Supply and install 2.5mm ² CU/PVC/PVC cable and 2.5 mm ² earth Cu conductor with all accessories required to make complete installations and wire 230 volts, 15 Amp. Single power socket outlet in ring circuit as specified specifications & illustrated in the electrical drawings. (including 15A Indicator Socket outlet)	nr	5		
	<u>13A Single Socket Outlets (UPS Power)</u>				
B.5.9.4	Supply and install 2.5mm ² CU/PVC/PVC cable and 2.5 mm ² earth Cu conductor with all accessories required to make complete installations and wire 230 volts, 13 Amp. Single power socket outlet in ring circuit as specified specifications & illustrated in the electrical drawings. (including 13A Indicator Red Socket outlet)	nr	12		
	<u>13A Single Socket Outlets (A/C Power Indoor Units)</u>				
B.5.9.5	Supply and install 2.5mm ² CU/PVC/PVC cable and 2.5 mm ² earth Cu conductor with all accessories required to make complete installations and wire 230 volts, 13 Amp. Single power socket outlet in radial circuit fix in ceiling level as specified specifications & illustrated in the electrical drawings. (including 13A Indicator Socket outlet)	nr	2		
	To Collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.5.9	<u>ELECTRICAL INSTALLATION - Cont'd</u>				
	<u>FEEDER CABLES</u>				
	The cable shall be laid underground when laid outside the building in the method as specified and shall be laid in prepared trench / cable tray / duct when laid inside the building. The cable shall be laid to UPVC pipe at the entry of the building. The unit rate shall include following description.	note			
	The unit rate for each item shall include : Actual cable lengths has to be re-confirmed after shop drawing approvals	note			
	Unloading of Cable	note			
	Provide storage facilities at site store.	note			
	Shifting of cable from site store to place of installation.	note			
	Laying of cable in the prepared trench / cable tray / duct when laid inside the building or underground when laid outside the building.	note			
	Connection of cable.	note			
	Excavation in hard or soft murex / rocky area up to required depth, supply and laying of protection bricks, supply and backfilling with fine sand, leveling the ground to match with the existing condition.	note			
	Supply and fixing of cable clamps, brackets, supports, route markers etc. as required for cable tray, duct.	note			
	Earthling the glands and armouring with earthling clamp and jumper and also connecting to common earth bar.	note			
	Testing of cables.	note			
	Supply and installation of Feeder Cables	note			
	<u>Unarmoured Cables</u> Supply, install, terminate following CU/ PVC/ PVC, CU/ XLPE/PVC cables with all accessories in 32mm dia. PVC Conduits as required to make complete installation according to the specifications and electrical drawings.				
B.5.9.6	1 x 4C 10 mm ² CU/PVC/PVC Cable + 1C 10mm ² Earth Cable (from MDB to 2F/DB)	m	20		
B.5.9.7	1 x 2C 6 mm ² CU/PVC/PVC Cable + 1C 6mm ² Earth Cable (from MDB to UDB/2F)	m	20		
	To Collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.5.9	<u>ELECTRICAL INSTALLATION - Cont'd</u>				
	<u>Electrical Panel Boards</u>				
	Supply, installation, assembling, connection, testing and commissioning of Panels as per Specification, BS & relevant drawings.	note			
	All panels and DBs shall be manufacturers Government approved panel manufacturer.	note			
	The unit rate for each item shall include : Supply of panels.	note			
	Testing of panels as per specifications at manufacturer's works in presence of client's representative and/or consultant.	note			
	Delivery of the panels / DB's to site.	note			
	Shifting of the panels from site store to the suitable location.	note			
	Assembly and wiring of component supplied separately.	note			
	Installation of panels as per location arranged by site Engineer in charge including removing packing.	note			
	Earthling all components, frame etc. to a common internal earth bar.	note			
	Touching of body with enable painting for damaged parts. All the nuts bolts & joints exposed to the air shall be covered with suitable anti - oxidant material or as directed by the Engineer in charge.	note			
	Supply and fixing all accessories and supporting structure.	note			
	Checking of Internal connection & wiring, operation of switches, MCCB, MCB etc.	note			
	Supply of necessary tools, hardware, testing hardware, testing equipment during testing at site.	note			
	DISTRIBUTION BOARDS (DBs) (3-Phase)				
	Supply and install following surface mounted type 3-Phase, powder coated metal clad distribution box's, shall be consist with materials required to make complete according to the specified specifications and illustrated in the electrical drawings. (All MCCBs, RCCBs & MCBs should be Hager, Schneider, Terasaki or equivalent) (Please refer the DWG SWA-ICTA-MEP-D1061)				
B.5.9.8	2F/DB	item	1		
	To Collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.5.9	<u>ELECTRICAL INSTALLATION - Cont'd</u>				
	<u>Electrical Panel Boards (Cont'd)</u>				
	DISTRIBUTION BOARDS (DBs) (single-Phase)				
	Supply and install following flush mounted type single-Phase, powder coated metal clad distribution box's, shall be consist with materials required to make complete according to the specified specifications and illustrated in the electrical drawings. (All MCCBs, RCCBs & MCBs should be Hager, Schneider, Terasaki or equivalent) (Please refer the DWG SWA-ICTA-MEP-D1061) Note: UPS and isolators measured separately				
B.5.9.9	UDB/FF	item	1		
	32A 2P Isolators				
B.5.9.10	Supply and Installation of 32A 2P isolator complete with enclosure and all other required materials.	nr	2		
	<u>Supply and Installation of Light Fittings</u>				
	Light fittings should be of highest quality and shall be subjected to the approval of the Engineer prior to the installation.				
	All LED light fittings shall be complete with LED lamps, electronic Driver, adapter and all other accessories required.				
	Light fittings shall have 2 years warranty for all the components, Such as Lamp, Housing, ballast, emergency kit etc..				
	Recess Down Light				
B.5.9.11	Supply and installation of LED, 10W, IP20, 3000K, 1500Lm 100mm Recess LED Down Light Luminaire complete with all accessories. PC Sum for light fitting - Rs.2,300.00	nr	44		
	LED Strip Light				
B.5.9.12	Supply and installation of LED Strip Light 25mm wide, IP40, rate shall include for driver & complete with all accessories. (Strip Light Fitting Qty 2) PC Sum for light fitting - Rs.1,500.00	m	31		
	To Collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.5.9	<u>ELECTRICAL INSTALLATION - Cont'd</u>				
	Emergency Light				
B.5.9.13	Supply and Intallation soffit mountable, Twin, rotatable LED lamps including maintenance free battery for 30 minute operation during mains power failure.	nr	3		
	To Collection			Rs.	
	<u>COLLECTION</u>				
	FROM PAGE B / 4 - 17			Rs.	
	FROM PAGE B / 4 - 18			Rs.	
	FROM PAGE B / 4 - 19			Rs.	
	FROM PAGE B / 4 - 20			Rs.	
	FROM PAGE B / 4 - 21			Rs.	
	ELECTRICAL INSTALLATION CARRIED TO BILL NO. 05 - SECOND FLOOR SUMMARY			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.5.10	<p><u>ELV SYSTEM</u></p> <p>PREAMBLE NOTES The Bidder shall refer the followings prior to pricing the items in this trade</p> <ul style="list-style-type: none"> a. All relevant drawings b. Specifications c. Location of the site d. Access to the site e. Tender and Contract conditions f. Make and type of fittings <p>EXTENT OF WORK The extent of the work as provided for in this bill of quantities shall consist of all the items covered under the Specifications.</p> <p>Rates for all items shall be inclusive of the following.</p> <ul style="list-style-type: none"> a) Provisions of holes, chases...etc. b) All necessary scaffoldings. c) Contractor's overheads & profits d) Providing of samples, tests, specimens etc... for such items of work as required by the Consultant. <p>Rates for supply and installation of ELV System with all necessary internal wiring instrument wiring loops, and necessary hardware fixing where ever necessary and complete as shown in drawing and comply with the specifications, and as per relevant latest B.S. standards and I.E.E. regulations.</p> <p>Rate shall include for necessary chasing, trenching, conduits, cables fittings and clips, cutting holes and chases in brick work/ block work/ concrete work complete with all necessary accessories such as sockets, connections, cable glands, boxes, hardware clips, soldering and jointing materials etc., for proper installing and laying of cables.</p> <p>All under ground cables directly buried in ground to be properly laid in ground trenches and cover with approved material if necessary. Rate for under ground cables shall include for all necessary excavation, sand layers, trench cover, warning strips and back filling with approved quality earth and properly compacted.</p>	<p>note</p> <p>note</p> <p>note</p> <p>note</p>			

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.5.10	<u>ELV SYSTEM - Cont'd</u> <u>TELEPHONE SYSTEM</u>				
	Telephone Point Wiring				
B.5.10.1	Supply, wiring, installation, terminating of two pair 0.50mm telephone cable from ELV rack to telephone Outlet in 20mm dia. rigid PVC conduit, including Back Boxes, Face Plates, Keystones and all other necessary accessories and consumables. (Including Telephone socket outlet)	nr	30		
	Sub Distribution Frames				
B.5.10.2	Supply and install krone type and lockable powder coated metal encloser type following Sub Distribution Frame 1 complete with all accessories, 40 pair	nr	1		
	Cables from MDF to SDF 1				
B.5.10.3	Supply, wiring, installation, terminating of 40 pair 0.5mm telephone cable from main distribution frame to sub distribution frame 1 at 2nd floor floor through the rigid PVC conduit complete with all required materials.	Item	1		
	To Collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.5.10	<u>ELV SYSTEM - Cont'd</u>				
	<u>DATA SYSTEM</u>				
	Data Point Wiring				
B.5.10.4	Supply, wiring, installation, terminating of CAT 6 cable from Network rack to Data Outlet (RJ45) in 20mm dia. rigid PVC conduit, including Back Boxes, Face Plates, Keystones and all other necessary accessories and consumables. (Including Data socket with shutter)	nr	21		
	Patch Panel				
B.5.10.5	19" rack mountable, 32 port Cat 6 Patch Panel complete with fixing brackets, and accessories, for complete rack installation	nr	1		
	POE Network Switch				
B.5.10.6	19" rack mountable type, 32 port POE Cat 6 Network Switch complete with fixing brackets, and accessories, for complete rack installation.	nr	1		
	ELV Rack				
B.5.10.7	Supply and installation of 3U Wall mounted type 19" rack unit with, glassed lockable door, cable management unit, fan plate with 1 no. fans complete with fixing brackets and accessories for complete rack installation.	nr	1		
	HDMI Point Wiring				
B.5.10.8	Supply, wiring, installation, terminating of Type 3 HDMI cable from ceiling level mounted projector to floor level in 20mm dia. rigid PVC conduit / casing, including Back Boxes, Face Plates, Keystones and all other necessary accessories and consumables. (Including floor mount HDMI socket)	nr	1		
	To Collection			Rs.	
	<u>COLLECTION</u>				
	FROM PAGE B / 5 - 23			Rs.	
	FROM PAGE B / 5 - 24			Rs.	
	ELV SYSTEM CARRIED TO BILL NO. 05 - SECOND FLOOR SUMMARY			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.5.11	<u>AIR CONDITIONING SYSTEM</u>				
	PREAMBLE NOTES				
	The Bidder shall refer the followings prior to pricing the items in this trade.	note			
	All relevant drawings, Specifications, Location of the site, Access to the site, Tender and Contract conditions, Make and type of fittings.	note			
	To Supply, Install, test and commissioning the AC System as follows; All Air Conditioner Units shall be Good Quality Reputed brand ,samples shall be submitted in advance and approval taken before installation.	note			
	Extra work and/or additional costs are not allowed other than the BOQ amounts without a written request of the Engineer. The drawings provided carry only approximate dimensions.	note			
	The compressor shall be guaranteed for 5 years. The defects liability period for the plant will be 12 months and the contractor shall maintain and service the equipments free of charge during the above 12 months period. The air conditioners offered shall be of reputed make and having service record of more than five years in service. Units Shall be designed and tested for use with refrigerant R 410a or CFC free gas and be equipped with refrigerant line fittings. Rate shall included necessary thermal insulation, pressure testing, refrigerant charge, filter dryers, anti-vibration pads, Threaded seal & hanger rods & vibration hangers. The free pipe length shall be computed based on the distance between indoor and outdoor unit as 5m. All units shall possess remote operating facility.	note			
	Mounting brackets should be hot dipped galvanized.	note			
	All air-conditions should operate with temperature control/ sensors.	note			
	Contractor shall supply maintenance mannual during the project handing over.	note			
	Outdoor Condition All equipment, material and devices and specified ratings furnished under this Work shall be suitable operation in the following outdoor conditions: * Annual Average Dry Bulb Temperature : 31 °C * Annual Average Wet Bulb Temperature : 27 °C * Maximum Dry Bulb Temperature : 33 °C * Maximum Relative Humidity : 90%	note			
	Allowable noise Level In room : 50 dB(A) , In open air at a distance of 2 meters : 60 dB(A) for overall are.	note			

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.5.11	AIR CONDITIONING SYSTEM (Cont'd)				
	Refrigerant pipes shall be provided with supports & anchoring as appropriate to prevent amplifications resulting from compressor discharge gas pulsations and mechanical vibrations. Allowance shall be provided for thermal expansions and contractions of pipes, by providing appropriate elbows and 3 dimensional pipe configurations.	note			
	Neoprene rubber isolation pads shall be provided under all support points of the unit.	note			
	18,000 BTU/Hr Cassette type AC Units (Server Room)				
B.5.11.1	Supply & install non-Inverter four way cassette type air condition indoor (Capacity 18,000 BTU) & outdoor unit c/w galvanized angle iron, mounting brackets with stainless steel anchor bolts etc. Make : "LG" , "Panasonic" or equivalent.	nr	1		
	AIR CONDITIONING SYSTEM				
	CARRIED TO BILL NO. 05 - FIRST FLOOR SUMMARY			Rs	

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT(LKR)
	<u>SUMMARY</u>				
B.5.1	DISMANTLING & DEMOLISHING WORK			Rs.	
B.5.2	CARPENTRY WORK			Rs.	
B.5.3	METAL WORK			Rs.	
B.5.4	DOORS, WINDOWS & PARTITIONS			Rs.	
B.5.5	FINISHES			Rs.	
B.5.6	PAINTING & DECORATING			Rs.	
B.5.7	MISCELLANEOUS			Rs.	
B.5.8	FURNITURE			Rs.	
B.5.9	ELECTRICAL INSTALLATION			Rs.	
B.5.10	ELV SYSTEM			Rs.	
B.5.11	AIR CONDITIONING SYSTEM			Rs.	
	BILL NO. 05 - SECOND FLOOR TOTAL CARRIED TO GRAND SUMMARY			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.6.1	<u>DEMOLISHING & DISMANTLING WORK</u>				
	Rate to include for temporary supports incidental to demolitions, disposal of materials other than those remaining for the property of the Employer		note		
	Materials to which have a salvage value, may carefully dismantled, labeled, listed and hand over to the Employer. Rate shall include for complying with this and for providing temporary supports during demolition.		note		
	Preparing inventory of all salvage materials to be handed over to client.		note		
	Coordination of Employer for using of existing services		note		
B.6.1.1	Dismantle and carefully remove existing ceiling and frame work. (Mineral fibre ceiling in Meeting Rooms)	m ²	32		
	DEMOLISHING & DISMANTLING WORK CARRIED TO BILL NO. 06 - THIRD FLOOR SUMMARY			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.6.2	<u>CARPENTRY</u> Shop drawings and samples of materials, fixing details etc. to be submitted for the approval of the Engineer/Architect before commencement of works Unless otherwise specified, rates for all timber members shall include for finishing exposed timber surfaces with "Sayerlack" or approved equivalent water base paint system to approved colour / stain in accordance with the manufacturers specifications.	note note			
B.6.2.1	50 x 50mm timber (pinewood) batterens fixed vertically to the gypsum partition (gypsum partition measured separately) including all necessary fixing accessories.	m ²	21		
CARPENTRY WORK CARRIED TO BILL NO. 06 - THIRD FLOOR SUMMARY				Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.6.3	<u>DOORS & WNDOWS & PARTITIONS</u>				
i	Aluminium frames described elsewhere to be 60-80 microns powder coated aluminium extrusions to approved colour series selected by the Architect.	note			
ii	Rates for doors shall include for ironmongery including door locks (two turn lock system) & hairline finished stainless steel door handles, door closers etc. (sizes as per drawings),	note			
iii	Door locks, door closers shall be of "Hafele", "Dorma" or approved equivalent	note			
iv	Beading - ' U ' type beading	note			
v	Refer all notes in the drawings & All to be completed as per drawings	note			
vi	Shop drawings and samples of aluminium sections and ironmongery to be submitted for the approval of the Engineer/Architect prior to commencement of fabrication.	note			
vii	Stainless steel fittings, frames etc. shall be of Grade 304	note			
viii	All dimensions to be checked & verified at site prior to fabrication	note			
ix	If any discrepancy in the dimension or description in the BOQ defer from the drawing BOQ supersede the drawing	note			
x.	All doors frames to be according to the sizes specified in the drawings with red balau or approved equivalent timber sanded , sealered & stained to to teak finish	note			
xi	Rates for plywood doors shall include for framing, ironmongery including locks, brass hinges, door closers etc. and complete to detail drawing (refer all notes in the drawings)	note			
	<u>Timber framed Plywood Doors</u>				
B.6.3.1	Door type "D01", 965x2100mm overall size 100X75 mm timber framed solid plywood single sash door complete as per detail.	nr	3		
	To collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.6.3	<u>DOORS & WNDOWS & PARTITIONS - Cont'd</u>				
	<u>Glass Doors</u>				
B.6.3.2	Door Type "GD01", 1525 x 2100mm overall size 10 mm thick toughened glass double sashed frameless glazed door with and including stainless steel door handles, floor hinges and all other fittings and fixtures complete to working order.	nr	1		
	<u>Partitions</u>				
	<u>Gypsum board Partition</u>				
B.6.3.3	Full height Gypsum board partition to total thickness of 50mm comprising 12mm thick gypsum board (both sides) fixed to 50x50mm steel frame work at 1350mm centres. Rate shall include for fixing with brass screws, sealing joints with approved joint tape and all complete to detail. (Painting measured separately.)	m ²	82		
B.6.3.4	1200mm height Gypsum board partition to total thickness of 50mm comprising 12mm thick gypsum board (both sides) fixed to 50x50mm steel frame work at 1350mm centres. Rate shall include for fixing with brass screws, sealing joints with approved joint tape and all complete to detail. (Painting measured separately.)	m ²	17		
	<u>Glazed Partition</u>				
B.6.3.5	Full height glazed partitions (2700mm height) consist of 10mm thick tempered glass with aluminium U profile with silicon bond & all complete to detail. (Sticker measured seperately)	m ²	16		
	To collection			Rs.	
	COLLECTION				
	From Page B/6 - 3			Rs.	
	From Page B/6 - 4			Rs.	
	DOORS, WNDOWS & PARTITIONS CARRIED TO BILL NO. 06 - THIRD FLOOR SUMMARY			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.6.4	<u>FINISHES</u>				
	Floor Finishes				
i	All tiles to be square cut with no tolerance	note			
ii	All materials specified shall be of recognized brands and the quality, colour, and design to the approval of the Architect	note			
iii	Rates shall include for waste, or any traditional allowances unless otherwise specifically stated in the preambles of trades	note			
iv	Rate shall cover all the requirements to complete the proper completion of the works if not covered in the BOQ description	note			
v.	Rate shall include for supply,install, backing screed,cement putty approved polymer tile grout or adhesive	note			
vi.	Refer with the drawing for relevant code nos & annotationss	note			
	<u>Carpet flooring</u>				
B.6.4.1	Supply & lay 5mm thick Nylon Tufted loop pile carpet tiles with pvc backing in accordance with the manufacturers specifications with an including underlayer, adhesive recommend to carpet manufacturer. Rate shall include for cleaning floors & make good any defects in floors prior to laying of carpet. (Prime cost sum Rs. 2,800/- per m ² excluding VAT)				
B.6.4.2	Supply & lay 8mm beveled edged HDF engineered PVC Vinyl laminated timber planks (Supreme floors - SV-512-Teak or approved equivalent) (Prime cost sum Rs. 4,610/- per m ² excluding VAT)	m ²	93		
	<u>Wall Finishes</u>				
	<u>Internally</u>				
B.6.4.3	75mm high x 18mm thick treated solid timber skirting fix to base of wall/columns with screw nails covered with timber dowels including all fixing accessories. Rate shall include for finishing with water based paint system to approval	m	72		
	To collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.6.4	<u>FINISHES - Cont'd</u>				
	<u>Ceiling Finishes</u>				
i	Contractor should submit shop drawings, fixing details & get approvals before commencing fabrication	note			
ii	Samples of all materials to be submitted for approval	note			
iii	Openings to be provided for light fittings as specified	note			
iv	Rate shall include for all GI members to be painted with matt black egg shell finish.	note			
B.6.4.4	12mm thick Plaster board suspended ceiling on & including G.I. frame work. Sub frame span to be 600mm maximum and fixed to main frames to fix sheets with & including brass screws at 450 mm max c/c , grooves sealed with approved joint tape, finished with & including 2 coats of total coat applied on entire surface, cut & painted with two coats of emulsion paint to approved colour.	m ²	18		
B.6.4.5	Supply & installation of 25mm thick dark oak wood veneered plywood ceiling fixed to detail. (Frame work measured seperately)	m ²	15		
	<u>Frame Work for Dark oak wood veneered plywood ceiling at bottom level</u>				
B.6.4.6	25mm thick dark oak wood veneered plywood ceiling fixed to existing slab by using aluminium threaded drop rods. (Plywood ceiling measured seperately) Rate shall include for aluminium black powder coated 25x50mm box bar frame work, 25x25mm L angle with 350mm centres in both ways & 18mm thick black melamine board panels (as shown on the drawing) (to hold 100mm dia. Recessed round LED lighting as per Architectural Lighting Layout) and all complete as per detail drawing nos. SWA-ICTA-AR-CT-A9011-R0	m ²	15		
	To collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.6.4	<u>FINISHES - Cont'd</u>				
	<u>Ceiling Finishes - Cont'd</u>				
B.6.4.7	The Bidder will List here and price any items not mentioned herein but may require for satisfactory completion of this section as shown on the drawings & mentioned in the specification				
i	.....	Item	1		
ii	.....			
iii					
	To collection			Rs.	
	<u>COLLECTION</u>				
	FROM PAGE B/6 - 5			Rs.	
	FROM PAGE B/6 - 6			Rs.	
	FROM PAGE B/6 - 7			Rs.	
	FINISHES CARRIED TO				
	BILL NO. 06 - THIRD FLOOR SUMMARY			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT(LKR)
B.6.6	<u>MISCELLANEOUS</u>				
	<u>Vertical Blinds</u>				
B.6.6.1	Supply and installation of vertical Zebra Blinds operated manually (Bead chain) (Prime cost sum Rs. 7,000/- per m2 excluding VAT)	m ²	53		
	<u>Work station Flower Pots</u>				
	Shop drawings and samples of aluminium sections to be submitted for the approval of the Engineer/Architect prior to commencement of the work.	note			
	Fixing method should be proposed by the Contractor & get the approval from the Engineer.	note			
	Rate shall include for all GI members to be painted with matt black egg shell finish. Rate to include applying two coats of anti-corrosive primer and top coat.	note			
	50x100mm Black powder coated GI hollow box section fixed (anchor bolted) vertically to the existing slab. 25x50mm black powder coated GI hollow box section frame work in both ways and fix to the vertical GI post and hang the corners to the existing slab with using mat black finish 10mm wire rope cables. Aluminium Amplimesh fix to the GI hollow box section frame work. Planter boxes comprising of 25x25mm black powder coated GI hollow box section framed covered with 10mm thick teak colour painted plywood sheet and all complete as per detail drawings. (Refer Drawing Nos. SWA-ICTA-AR-CT-A9001-R0)				
B.6.6.2	Type - 7	m ²	32		
B.6.6.3	Type - 8	m ²	22		
B.6.6.4	Type - 9	m ²	14		
B.6.6.5	Supply & placing of Artificial plants with pots as specified by the Architect.	nr	95		
	To Collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT(LKR)
B.6.6	<u>MISCELLANEOUS - Cont'd</u>				
	<u>Movable Pods with Glass Doors</u>				
B.6.6.6	Fabricate customade movable pods using 50x50mm timber batten frame work and covering with 5mm MDF boards and 75mm thk. high density polyurethane seat back cushion and supporting table made with 25mm white melamine boards and entire pod shall movable with using high quality caster wheels. Rate shall include for inbuilt one poer socket, one date point one light 100mm dia. Recessed round LED light with external connection, 8mm thick double sashed tempered glass door including ironmongery and all other necessary works to complete work oder as per detail (Refer Drawing Nos. SWA-ICTA-AR-CT-A9117-R0)	nr	2		
	To Collection			Rs.	
	<u>COLLECTION</u>				
	FROM PAGE B/6 - 9			Rs.	
	FROM PAGE B/6 - 10			Rs.	
	MISCELLANEOUS CARRIED TO BILL NO. 06 THIRD FLOOR SUMMARY			Rs.	-

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.6.7	<u>FURNITURE</u>				
	All custom designed furniture to be made of solid surface material to necessary standards & made to given designs & profile	note			
	Stainless steel shall be of Grade 304	note			
	Shop drawings and samples of material to be submitted for prior approval	note			
	Refer image for types of furniture	note			
	Refer Drawing Nos. SWA-ICTA-AR-CT-A9001 to A9126 , SWA-ICTA-AR-CT-A8001 to A8003	note			
	<u>Supply of furniture as follows:-</u>				
	<u>Cupboards</u>				
B.6.7.1	750mm high, 1200mm long oak white wood cupboard with middle drawers - Type CU10	nr	5		
B.6.7.2	750mm high, 1400mm long oak white wood cupboard with middle drawers - Type CU11	nr	1		
B.6.7.3	750mm high, 1700mm long oak white wood cupboard with middle drawers - Type CU12	nr	1		
	<u>Chairs</u>				
B.6.7.4	High density foam full PU for front, rear/PU padded arm - Tpe C1 (Prime Cost sum Rs. 34,000/- per nr excluding VAT)	nr	1		
B.6.7.5	High density foam with full PPE for the front & rear with PU padded chromed arm - Type C2 (Prime Cost sum Rs. 27,000/- per nr excluding VAT)	nr	3		
B.6.7.6	High density foam with full PPE for the front & rear with height adjustable with soft PU padded chromed arm - Type C3 (Prime Cost sum Rs. 39,000/- per nr excluding VAT)	nr	5		
	To Collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.6.7	<u>FURNITURE - Cont'd</u>				
	<u>Chairs Cont'd</u>				
B.6.7.7	Modern bentwood chair in charcoal gray linen look fabric - Type C4 (refer image) (Prime Cost sum Rs. 30,000/- per nr excluding VAT)	nr	10		
B.6.7.8	High density foam with full PU for the front, rear of the back with PU padded nylon arm - Type C5 (Prime Cost sum Rs. 23,000/- per nr excluding VAT)	nr	50		
B.6.7.9	High density foam with full PU for the front and rear with height adjustable with soft PU Padded chromed arm - Type C6 (Prime Cost sum Rs. 25,000/- per nr excluding VAT)	nr	16		
B.6.7.10	2800mm long Ash colour contempo chaise end fabric couch Type SF1 (Prime Cost sum Rs. 150,000/- per nr excluding VAT)	nr	1		
	<u>Tables</u>				
B.6.7.11	4300x1000mm dark oak wood 10 seater meeting table - Type T1 (Prime Cost sum Rs. 150,000/- per nr excluding VAT)	nr	1		
B.6.7.12	2100x1700 mm dark oak wood L shaped table with side drawer unit - Type T2 (Prime Cost sum Rs. 60,000/- per nr excluding VAT)	nr	1		
B.6.7.13	1200x600mm white melamine board / Powder coated GI steel base with retractable drawer unit (Furseys Intuity) - Type T4	nr	50		
	To Collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.6.7	<u>FURNITURE - Cont'd</u>				
	<u>Custom made Furniture</u>				
	<u>Cupboards</u>				
B.6.7.14	1600mm high oak white wood wall cupboard with middle drawers - Type CU3 (Front panel full height)	nr	1		
B.6.7.15	1300mm high oak white wood wall cupboard /doors with white melamine with middle drawers - Type CU4 (Front panel full height)	nr	5		
B.6.7.16	2000mm high, lockable white melamine movable work pod (oncastor wheels) with oak white table top in the middle. Unit comprises of two seats and power outlets. - Type U2	nr	2		
	<u>Furniture - Pantry</u>				
B.6.7.17	2100mm long 2700mm high oak white wood Pantry with top & bottom cupboards - Type P1	nr	1		
	To Collection			Rs.	
	<u>COLLECTION</u>				
	FROM PAGE B/6 - 11			Rs.	
	FROM PAGE B/6 - 12			Rs.	
	FROM PAGE B/6 - 13			Rs.	
	FURNITURE CARRIED TO				
	BILL NO. 06 THIRD FLOOR TO SUMMARY			Rs.	-

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.6.8	<u>ELECTRICAL INSTALLATION</u>				
	All works shall comply with latest 17th edition of IEE wiring regulations. Sample of items shall be submitted in advance for Engineer's approval.	note			
	All wiring shall be done in concealed conduits as and where is possible in other areas.	note			
	Contractor shall submit conduit layouts / plans for the approval of the Engineer before laying of conduits.	note			
	Minimum diameter of pvc electrical conduits shall be one inch and if exposed ¾ inch for GI conduits.	note			
	Locations of Lamp Fittings, Switches, Socket Outlets, and Bulk Power Points are indicated in the drawings.	note			
	All MCCBs, MCBs shall be of reputed brand, preferably Schneider, ABB or Telemechanic.	note			
	All Surface Mounted and Flush Mounted Panel Enclosures shall be of reputed brand preferably of KIK, Magline or Illukkumbura	note			
	Catalogs/ CAD drawings with model numbers of offered lamp fittings with supplier's name shall be attached with the tender.	note			
	Wiring shall be measured net as shown on the GFC / As built drawings without any additional leverage for loose cables. The unit rate shall include all necessary loose wiring required for the works in switch boards / junctions / bends / curves / circles and end terminations etc	note			
	No taped joints are permitted and reliable connectors (3M) can be used only where it is absolutely essential.	note			
	Proper earthing of Electrical appliances is essential to the main earth and this includes metal fittings, metal framed signboards etc..	note			
	The contractor should submit the originals of the warranty and guarantee documents in the handing over stage.	note			

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.6.8	<u>ELECTRICAL INSTALLATION (Cont'd)</u>				
	<u>Prices are deemed to include for the following</u>				
	Prices of Distribution boards deemed to include for finished enclosures, MCB's, Neutral links dummy plates if any and the required chipping, fixing of DB in walls etc.	note			
	Prices for Under Ground Cable deemed to include for excavation, protection of cable, refilling with excavated earth, consolidation / compaction etc.	note			
	Prices for conduits deemed to include for standard junction boxes and fittings and fixing conduits to or through all building surfaces.	note			
	Prices deemed to include for all cable supports and fixings; providing draw wires, draw cables and similar items for drawing or hoisting cables.	note			
	Co-ordination of works between contractor and subcontractors and/or Principal.	note			
	Providing all samples of materials and finishes as required by the Specification.	note			
	Complying with the relevant Acts, By-laws and regulations.	note			
	Carrying out tests as required.	note			
	Testing all installations as required and specified.	note			
	Submit notices, obtaining permits and completion certificates, paying fees and charges in connection with the relevant installations.	note			
	Obtaining and submitting all guarantees and warranties as specified.	note			
	Quality Assurance and control as specified.	note			
	Providing plans, diagrams, manuals and similar items as required for the relevant installations.	note			
	Coordinating penetrations in connection with the installations.	note			
	Provision of rigid framework in stud walls for the fixing of cable support channels, distribution boards, control panels and similar equipment.	note			
	All Electrical Installation conduct according to BS Standard BS 7671 : 8th edition.	note			

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.6.8	<u>ELECTRICAL INSTALLATION (Cont'd)</u>				
	<u>FINAL SUB CIRCUIT LAMP POINT WIRING</u>				
	The wiring shall be in full rigid PVC conduits with the conduit system providing a continuous and effective means of protection for the wiring. The conduit system shall be concealed in the building fabric and where provided under a roof, the conduit shall be clipped to the roof members.	note			
	Indoor Lamp Point Wiring				
B.6.8.1	Supply and wiring of 10Amp light point with switch outlet and connectors with other all necessary materials required to make complete installation. Wiring shall be in 1.0mm ² Cu/PVC/PVC cables + E as specified and shown in the electrical drawings.	nr	35		
	<u>Power Points</u>				
	Note : UPS Power sockets in red colour and Raw power sockets shall be in white colour. Indicator socket outlets shall be use for the all power points.				
	13A Single Socket Outlets (Raw Power)				
B.6.8.2	Supply and install 2.5mm ² CU/PVC/PVC cable and 2.5 mm ² earth Cu conductor with all accessories required to make complete installations and wire 230 volts, 13 Amp. Single power socket outlet in ring circuit as specified specifications & illustrated in the electrical drawings. (including 13A Indicator Socket outlet)	nr	92		
	15A Single Socket Outlets (Raw Power)				
B.6.8.3	Supply and install 2.5mm ² CU/PVC/PVC cable and 2.5 mm ² earth Cu conductor with all accessories required to make complete installations and wire 230 volts, 15 Amp. Single power socket outlet in ring circuit as specified specifications & illustrated in the electrical drawings. (including 15A Indicator Socket outlet)	nr	1		
	To Collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.6.8	<u>ELECTRICAL INSTALLATION (Cont'd)</u>				
	<u>FEEDER CABLES</u>				
	The cable shall be laid underground when laid outside the building in the method as specified and shall be laid in prepared trench / cable tray / duct when laid inside the building. The cable shall be laid to UPVC pipe at the entry of the building. The unit rate shall include following description.	note			
	The unit rate for each item shall include : Actual cable lengths has to be re-confirmed after shop drawing approvals	note			
	Unloading of Cable	note			
	Provide storage facilities at site store.	note			
	Shifting of cable from site store to place of installation.	note			
	Laying of cable in the prepared trench / cable tray / duct when laid inside the building or underground when laid outside the building.	note			
	Connection of cable.	note			
	Excavation in hard or soft murex / rocky area up to required depth, supply and laying of protection bricks, supply and backfilling with fine sand, leveling the ground to match with the existing condition.	note			
	Supply and fixing of cable clamps, brackets, supports, route markers etc. as required for cable tray, duct.	note			
	Earthling the glands and armouring with earthling clamp and jumper and also connecting to common earth bar.	note			
	Testing of cables.	note			
	Supply and installation of Feeder Cables	note			
	Unarmoured Cables Supply, install, terminate following CU/ PVC/ PVC, CU/ XLPE/PVC cables with all accessories in 32mm dia. PVC Conduits as required to make complete installation according to the specifications and electrical drawings.				
B.6.8.4	1 x 4C 10 mm ² CU/PVC/PVC Cable + 1C 10mm ² Earth Cable (from MDB to 3F/DB)	m	24		
	To Collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.6.8	<u>ELECTRICAL INSTALLATION (Cont'd)</u>				
	<u>Electrical Panel Boards</u>				
	Supply, installation, assembling, connection, testing and commissioning of Panels as per Specification, BS & relevant drawings.	note			
	All panels and DBs shall be manufacturers Government approved panel manufacturer.	note			
	The unit rate for each item shall include : Supply of panels.	note			
	Testing of panels as per specifications at manufacturer's works in presence of client's representative and/or consultant.	note			
	Delivery of the panels / DB's to site.	note			
	Shifting of the panels from site store to the suitable location.	note			
	Assembly and wiring of component supplied separately.	note			
	Installation of panels as per location arranged by site Engineer in charge including removing packing.	note			
	Earthling all components, frame etc. to a common internal earth bar.	note			
	Touching of body with enable painting for damaged parts. All the nuts bolts & joints exposed to the air shall be covered with suitable anti - oxidant material or as directed by the Engineer in charge.	note			
	Supply and fixing all accessories and supporting structure.	note			
	Checking of Internal connection & wiring, operation of switches, MCCB, MCB etc.	note			
	Supply of necessary tools, hardware, testing hardware, testing equipment during testing at site.	note			
	<u>DISTRIBUTION BOARDS (DBs) (3-Phase)</u>				
	Supply and install following surface mounted type 3-Phase, powder coated metal clad distribution box's, shall be consist with materials required to make complete according to the specified specifications and illustrated in the electrical drawings. (All MCCBs, RCCBs & MCBs should be Hager, Schneider, Terasaki or equivalent) (Please refer the DWG SWA-ICTA-MEP-D1061)				
B.6.8.5	3F/DB	item	1		
	To Collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.6.8	<u>ELECTRICAL INSTALLATION (Cont'd)</u>				
	<u>Supply and Installation of Light Fittings</u>				
	Light fittings should be of highest quality and shall be subjected to the approval of the Engineer prior to the installation.				
	All LED light fittings shall be complete with LED lamps, electronic Driver, adapter and all other accessories required.				
	Light fittings shall have 2 years warranty for all the components, Such as Lamp, Housing, ballast, emergency kit etc..				
	<u>LED Flat Panel Light</u>				
B.6.8.6	Supply and installation of LED Flat panel Light, IP 20, 4000K, 3000Lm 600x600mm Light complete with all accessories. (LED Light + Driver 39W) PC Sum for light fitting - Rs.6,500.00	nr	6		
	<u>Recess Down Light</u>				
B.6.8.7	Supply and installation of LED, 10W, IP20, 3000K, 1500Lm 100mm Recess LED Down Light Luminaire complete with all accessories. PC Sum for light fitting - Rs.2,300.00	nr	28		
	<u>LED Strip Light</u>				
B.6.8.8	Supply and installation of LED Strip Light 25mm wide, IP40, rate shall include for driver & complete with all accessories. (Strip Light Fitting Qty 1) PC Sum for light fitting - Rs.1,500.00	m	17		
	<u>Emergency Light</u>				
B.6.8.9	Supply and Installation soffit mountable, Twin, rotatable LED lamps including maintenance free battery for 30 minute operation during mains power failure. PC Sum for light fitting - Rs.12,000.00	nr	3		
	To Collection				
				Rs.	
	<u>COLLECTION</u>				
	FROM PAGE B / 6 - 16			Rs.	
	FROM PAGE B / 6 - 17			Rs.	
	FROM PAGE B / 6 - 18			Rs.	
	FROM PAGE B / 6 - 19			Rs.	
	ELECTRICAL INSTALLATION CARRIED TO BILL NO. 06 THIRD FLOOR TO SUMMARY			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
6.9	<p><u>ELV SYSTEM</u></p> <p>PREAMBLE NOTES The Bidder shall refer the followings prior to pricing the items in this trade</p> <ul style="list-style-type: none"> a. All relevant drawings b. Specifications c. Location of the site d. Access to the site e. Tender and Contract conditions f. Make and type of fittings <p>EXTENT OF WORK The extent of the work as provided for in this bill of quantities shall consist of all the items covered under the Specifications.</p> <p>Rates for all items shall be inclusive of the following.</p> <ul style="list-style-type: none"> a) Provisions of holes, chases...etc. b) All necessary scaffoldings. c) Contractor's overheads & profits d) Providing of samples, tests, specimens etc... for such items of work as required by the Consultant. <p>Rates for supply and installation of ELV System with all necessary internal wiring instrument wiring loops, and necessary hardware fixing where ever necessary and complete as shown in drawing and comply with the specifications, and as per relevant latest B.S. standards and I.E.E. regulations.</p> <p>Rate shall include for necessary chasing, trenching, conduits, cables fittings and clips, cutting holes and chases in brick work/ block work/ concrete work complete with all necessary accessories such as sockets, connections, cable glands, boxes, hardware clips, soldering and jointing materials etc., for proper installing and laying of cables.</p> <p>All under ground cables directly buried in ground to be properly laid in ground trenches and cover with approved material if necessary. Rate for under ground cables shall include for all necessary excavation, sand layers, trench cover, warning strips and back filling with approved quality earth and properly compacted.</p>	<p>note</p> <p>note</p> <p>note</p> <p>note</p> <p>note</p>			

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
6.9	<u>ELV SYSTEM (Cont'd)</u>				
	<u>DATA SYSTEM</u>				
	Data Point Wiring Supply, wiring, installation, terminating of CAT 6 cable from Network rack to Data Outlet (RJ45) in 20mm dia. rigid PVC conduit, including Back Boxes, Face Plates, Keystones and all other necessary accessories and consumables. (Including Data socket with shutter)	nr	7		
	Patch Panel				
B.6.9.4	19" rack mountable, 16 port Cat 6 Patch Panel complete with fixing brackets, and accessories, for complete rack installation	nr	1		
	POE Network Switch				
B.6.9.5	19" rack mountable type, 16 port POE Cat 6 Network Switch complete with fixing brackets, and accessories, for complete rack installation.	nr	1		
	ELV Rack				
B.6.9.6	Supply and installation of 3U Wall mounted type 19" rack unit with, glassed lockable door,cable management unit, fan plate with 1 no. fans complete with fixing brackets and accessories for complete rack installation.	nr	1		
	HDMI Point Wiring				
B.6.9.7	Supply, wiring, installation, terminating of Type 3 HDMI cable from ceiling level mounted projector to floor level in 20mm dia. rigid PVC conduit / casing, including Back Boxes, Face Plates, Keystones and all other necessary accessories and consumables. (Including floor mount HDMI socket)	nr	1		
	Multimedia Projector				
B.6.9.8	Supply and insllation multimedia projector with Resolution: 1920x1080dpi , Support: 4K , Lamp Life Span : 50,000 Hrs with mouting bracket to the soffit. Make 'EPSON' or Equivalent.	nr	1		
	To Collection			Rs.	
	<u>COLLECTION</u>				
	FROM PAGE B / 6 - 21			Rs.	
	FROM PAGE B / 6 - 22			Rs.	
	ELV SYSTEM CARRIED TO BILL NO. 06 THIRD FLOOR TO SUMMARY			Rs.	

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT(LKR)
	<u>SUMMARY</u>				
B.6.1	DISMANTLING & DEMOLISHING WORK			Rs.	
B.6.2	CARPENTRY WORK			Rs.	
B.6.3	DOORS, WINDOWS & PARTITIONS			Rs.	
B.6.4	FINISHES			Rs.	
B.6.5	PAINTING & DECORATING			Rs.	
B.6.6	MISCELLANEOUS			Rs.	
B.6.7	FURNITURE			Rs.	
B.6.8	ELECTRICAL INSTALLATION			Rs.	
B.6.9	ELV SYSTEM			Rs.	
	BILL NO. 06 - THIRD FLOOR TOTAL CARRIED TO GRAND SUMMARY			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT(LKR)
B.7.1	<u>CONCRETE WORKS</u>				
	<u>Insitu Concrete</u>				
	<u>Concrete Ledge</u>				
B.7.1.1	Grade 25 Concrete	m ³	2.6		
B.7.1.2	Sides of Form Work	m ²	35		
B.7.1.3	Reinforcement	kg	25		
	CONCRETE WORKS CARRIED TO BILL NO. 07 - FOURTH FLOOR SUMMARY			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.7.2	<u>METAL WORK</u> Shop drawings and samples of aluminium sections, fixing details etc. to be submitted for the approval of the Engineer/Architect before commencement of works <u>Movable Partition</u>	note			
B.7.2.1	Supply & fabricate of manually operated movable partition high Acoustic operable wall. finished with untrimmed edges fabric and as per the detail drawing. all complete to detail Drg. No.SWA- ICTA- AR- CT- A0000 Rate shall include for track system and fixing accessories.	m ²	31		
	METAL WORK CARRIED TO BILL NO. 07 - FOURTH FLOOR SUMMARY			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.7.3	<u>DOORS & WNDOWS & PARTITIONS</u>				
i	Aluminium frames described elsewhere to be 60-80 microns powder coated aluminium extrusions to approved colour series selected by the Architect.	note			
ii	Rates for doors shall include for ironmongery including door locks (two turn lock system) & hairline finished stainless steel door handles, door closers etc. (sizes as per drawings),	note			
iii	Door locks, door closers shall be of "Hafele", "Dorma" or approved equivalent	note			
iv	Beading - ' U ' type beading	note			
v	Refer all notes in the drawings & All to be completed as per drawings	note			
vi	Shop drawings and samples of aluminium sections and ironmongery to be submitted for the approval of the Engineer/Architect prior to commencement of fabrication.	note			
vii	Stainless steel fittings, frames etc. shall be of Grade 304	note			
viii	All dimensions to be checked & verified at site prior to fabrication	note			
ix	If any discrepancy in the dimension or description in the BOQ defer from the drawing BOQ supersede the drawing	note			
x	Rates for plywood doors shall include for framing, ironmongery including locks, brass hinges, door closers etc. and complete to detail drawing (refer all notes in the drawings)				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.7.3	<u>DOORS & WNDOWS & PARTITIONS - Cont'd</u>				
	<u>Timber framed Plywood Doors</u>				
B.7.3.1	Door type "D01", 965x2100mm overall size 100X75 mm timber framed solid plywood single sash door complete as per detail.	nr	4		
	<u>Partitions</u>				
	<u>Gypsum board Partition</u>				
B.7.3.2	Full height Gypsum board partition to total thickness of 50mm comprising 12mm thick gypsum board (both sides) fixed to 50x50mm steel frame work at 1350mm centres. Rate shall include for fixing with brass screws, sealing joints with approved joint tape and all complete to detail. (Painting measured separately.)	m²	6		
	<u>Acoustic Partition</u>				
B.7.3.3	Full height Gypsum board partition to total thickness of 75mm comprising 12mm thick gypsum board fixed to G.I. framework (both sides) & cavity filled with a 50mm thick rock wool insulation material to approval. Rate shall include for fixing with brass screws, sealing joints with approved joint tape and all complete to detail. (Painting measured separately under " Painting & Decorating")	m²	65		
	DOORS, WNDOWS & PARTITIONS CARRIED TO BILL				
	NO. 07 - FOURTH FLOOR SUMMARY			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.7.4	<u>FINISHES</u>				
	Floor Finishes				
i	All tiles to be square cut with no tolerance	note			
ii	All materials specified shall be of recognized brands and the quality, colour, and design to the approval of the Architect	note			
iii	Rates shall include for waste, or any traditional allowances unless otherwise specifically stated in the preambles of trades	note			
iv	Rate shall cover all the requirements to complete the proper completion of the works if not covered in the BOQ description	note			
v.	Rate shall include for supply,install, backing screed,cement putty approved polymer tile grout or adhesive	note			
vi.	Refer with the drawing for relevant code nos & annotationss	note			
	<u>Floor Tiling</u>				
B.7.4.1	Porcelain timber finished tiles laid on & including 1:3 cement sand bed on adhesive jointing with polymer tile grout) (Prime cost sum for tile -Rs. 2,942/per m ² excluding VAT)	m ²	162		
	<u>Carpet flooring</u>				
B.7.4.2	Supply & lay 5mm thick Nylon Tufted loop pile carpet tiles with pvc backing in accordance with the manufacturers specifications with an including underlayer, adhesive recommend to carpet manufacturer. Rate shall include for cleaning floors & make good any defects in floors prior to laying of carpet. (Prime cost sum Rs. 2,800/- per m ² excluding VAT)	m ²	107		
	To collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.7.4	<u>FINISHES - Cont'd</u>				
	<u>Wall Finishes</u>				
	<u>Internally</u>				
B.7.4.3	75mm high x 18mm thick treated solid timber skirting fix to base of wall/columns with screw nails covered with timber dowels including all fixing accessories. Rate shall include for finishing with water based paint system to approval	m	9		
B.7.4.4	The Bidder will List here and price any items not mentioned herein but may require for satisfactory completion of this section as shown on the drawings & mentioned in the specification	Item	1		
i	.....			
ii	.....			
iii					
	To collection			Rs.	-
	<u>COLLECTION</u>				
	FROM PAGE B/7 - 5			Rs.	
	FROM PAGE B/7 - 6			Rs.	
	FINISHES CARRIED TO				
	BILL NO. 07 - FOURTH FLOOR SUMMARY			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT(LKR)
B.7.6	<u>MISCELLANEOUS</u>				
	<u>Vertical Blinds</u>				
B.7.6.1	Supply and installation of vertical Zebra Blinds operated manually (Bead chain) (Prime cost sum Rs. 7,000/- per m2 excluding VAT)	m ²	62		
	MISCELLANEOUS CARRIED TO BILL NO. 07 - FOURTH FLOOR SUMMARY				
				Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.7.7	<u>FURNITURE</u>				
	All custom designed furniture to be made of solid surface material to necessary standards & made to given designs & profile	note			
	Stainless steel shall be of Grade 304	note			
	Shop drawings and samples of material to be submitted for prior approval	note			
	Refer image for types of furniture	note			
	Refer Drawing Nos. SWA-ICTA-AR-CT-A9001 to A9126 , SWA-ICTA-AR-CT-A8001 to A8003	note			
	<u>Supply of furniture as follows:-</u>				
	<u>Chairs</u>				
B.7.7.1	High density foam with full PPE for the front & rear with height adjustable with soft PU padded chromed arm - Type C3	nr	5		
B.7.7.2	Blue black pvc chair equivalent to existing blue pvc chair at conference room - Type AC1	nr	48		
B.7.7.3	Green colored pvc chair with stackable steel frame and self - adjusting tilting function - Type DC1	nr	66		
	<u>Tables</u>				
B.7.7.4	900mm dia. White colour 4 seater dining table - Type T12 (Prime cost sum Rs. 12,500/- per nr excluding VAT)	nr	12		
B.7.7.5	2500x900mm white colour wood 8 seater dining table - Type T13 (Prime cost sum Rs. 35,000/- per nr excluding VAT)	nr	3		
B.7.7.6	7600x600mm dark oak wood 7 seater head auditorium table - Type T14 (Prime cost sum Rs. 150,000/- per nr excluding VAT)	nr	1		
B.7.7.7	3900x600mm dark oak wood buffet table - Type T15 (Prime cost sum Rs. 65,000/- per nr excluding VAT)	nr	1		
	<u>Furniture - Pantry</u>				
B.7.7.8	2100mm long 2700mm high oak white wood Pantry with top & bottom cupboards - Type P1	nr	1		
	FURNITURE CARRIED TO				
	BILL NO. 07 - FOURTH SUMMARY			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.7.8	<u>ELECTRICAL INSTALLATION</u>				
	All works shall comply with latest 17th edition of IEE wiring regulations. Sample of items shall be submitted in advance for Engineer's approval.	note			
	All wiring shall be done in concealed conduits as and where is possible in other areas.	note			
	Contractor shall submit conduit layouts / plans for the approval of the Engineer before laying of conduits.	note			
	Minimum diameter of pvc electrical conduits shall be one inch and if exposed ¾ inch for GI conduits.	note			
	Locations of Lamp Fittings, Switches, Socket Outlets, and Bulk Power Points are indicated in the drawings.	note			
	All MCCBs, MCBs shall be of reputed brand, preferably Schneider, ABB or Telemecanic.	note			
	All Surface Mounted and Flush Mounted Panel Enclosures shall be of reputed brand preferably of KIK, Magline or Illukkumbura	note			
	Catalogs/ CAD drawings with model numbers of offered lamp fittings with supplier's name shall be attached with the tender.	note			
	Wiring shall be measured net as shown on the GFC / As built drawings without any additional leverage for loose cables. The unit rate shall include all necessary loose wiring required for the works in switch boards / junctions / bends / curves / circles and end terminations etc	note			
	No taped joints are permitted and reliable connectors (3M) can be used only where it is absolutely essential.	note			
	Proper earthing of Electrical appliances is essential to the main earth and this includes metal fittings, metal framed signboards etc..	note			
	The contractor should submit the originals of the warranty and guarantee documents in the handing over stage.	note			

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.7.8	<u>ELECTRICAL INSTALLATION (Cont'd)</u>				
	<u>Prices are deemed to include for the following</u>				
	Prices of Distribution boards deemed to include for finished enclosures, MCB's, Neutral links dummy plates if any and the required chipping, fixing of DB in walls etc.	note			
	Prices for Under Ground Cable deemed to include for excavation, protection of cable, refilling with excavated earth, consolidation / compaction etc.	note			
	Prices for conduits deemed to include for standard junction boxes and fittings and fixing conduits to or through all building surfaces.	note			
	Prices deemed to include for all cable supports and fixings; providing draw wires, draw cables and similar items for drawing or hoisting cables.	note			
	Co-ordination of works between contractor and subcontractors and/or Principal.	note			
	Providing all samples of materials and finishes as required by the Specification.	note			
	Complying with the relevant Acts, By-laws and regulations.	note			
	Carrying out tests as required.	note			
	Testing all installations as required and specified.	note			
	Submit notices, obtaining permits and completion certificates, paying fees and charges in connection with the relevant installations.	note			
	Obtaining and submitting all guarantees and warranties as specified.	note			
	Quality Assurance and control as specified.	note			
	Providing plans, diagrams, manuals and similar items as required for the relevant installations.	note			
	Coordinating penetrations in connection with the installations.	note			
	Provision of rigid framework in stud walls for the fixing of cable support channels, distribution boards, control panels and similar equipment.	note			
	All Electrical Installation conduct according to BS Standard BS 7671 : 8th edition.	note			

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.7.8	<u>ELECTRICAL INSTALLATION (Cont'd)</u>				
	<u>FINAL SUB CIRCUIT LAMP POINT WIRING</u>				
	The wiring shall be in full rigid PVC conduits with the conduit system providing a continuous and effective means of protection for the wiring. The conduit system shall be concealed in the building fabric and where provided under a roof, the conduit shall be clipped to the roof members.	note			
	Indoor Lamp Point Wiring				
B.7.8.1	Supply and wiring of 10Amp light point with switch outlet and connectors with other all necessary materials required to make complete installation. Wiring shall be in 1.0mm ² Cu/PVC/PVC cables + E as specified and shown in the electrical drawings.	nr	35		
	<u>Power Points</u>				
	Note : UPS Power sockets in red colour and Raw power sockets shall be in white colour. Indicator socket outlets shall be use for the all power points.				
	13A Single Socket Outlets (Raw Power)				
B.7.8.2	Supply and install 2.5mm ² CU/PVC/PVC cable and 2.5 mm ² earth Cu conductor with all accessories required to make complete installations and wire 230 volts, 13 Amp. Single power socket outlet in ring circuit as specified specifications & illustrated in the electrical drawings. (including 13A Indicator Socket outlet)	nr	45		
	15A Single Socket Outlets (Raw Power)				
B.7.8.3	Supply and install 2.5mm ² CU/PVC/PVC cable and 2.5 mm ² earth Cu conductor with all accessories required to make complete installations and wire 230 volts, 15 Amp. Single power socket outlet in ring circuit as specified specifications & illustrated in the electrical drawings. (including 15A Indicator Socket outlet)	nr	4		
	To Collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.7.8	<u>ELECTRICAL INSTALLATION (Cont'd)</u>				
	<u>FEEDER CABLES</u>				
	The cable shall be laid underground when laid outside the building in the method as specified and shall be laid in prepared trench / cable tray / duct when laid inside the building. The cable shall be laid to UPVC pipe at the entry of the building. The unit rate shall include following description.	note			
	The unit rate for each item shall include : Actual cable lengths has to be re-confirmed after shop drawing approvals	note			
	Unloading of Cable	note			
	Provide storage facilities at site store.	note			
	Shifting of cable from site store to place of installation.	note			
	Laying of cable in the prepared trench / cable tray / duct when laid inside the building or underground when laid outside the building.	note			
	Connection of cable.	note			
	Excavation in hard or soft murex / rocky area up to required depth, supply and laying of protection bricks, supply and backfilling with fine sand, leveling the ground to match with the existing condition.	note			
	Supply and fixing of cable clamps, brackets, supports, route markers etc. as required for cable tray, duct.	note			
	Earthling the glands and armouring with earthling clamp and jumper and also connecting to common earth bar.	note			
	Testing of cables.	note			
	Supply and installation of Feeder Cables	note			
	<u>Unarmoured Cables</u> Supply, install, terminate following CU/ PVC/ PVC, CU/ XLPE/PVC cables with all accessories in 32mm dia. PVC Conduits as required to make complete installation according to the specifications and electrical drawings.				
B.7.8.4	1 x 4C 10 mm ² CU/PVC/PVC Cable + 1C 10mm ² Earth Cable (from MDB to 4F/DB)	m	28		
	To Collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.7.8	<u>ELECTRICAL INSTALLATION (Cont'd)</u>				
	<u>Electrical Panel Boards</u>				
	Supply, installation, assembling, connection, testing and commissioning of Panels as per Specification, BS & relevant drawings.	note			
	All panels and DBs shall be manufacturers Government approved panel manufacturer.	note			
	The unit rate for each item shall include : Supply of panels.	note			
	Testing of panels as per specifications at manufacturer's works in presence of client's representative and/or consultant.	note			
	Delivery of the panels / DB's to site.	note			
	Shifting of the panels from site store to the suitable location.	note			
	Assembly and wiring of component supplied separately.	note			
	Installation of panels as per location arranged by site Engineer in charge including removing packing.	note			
	Earthling all components, frame etc. to a common internal earth bar.	note			
	Touching of body with enable painting for damaged parts. All the nuts bolts & joints exposed to the air shall be covered with suitable anti - oxidant material or as directed by the Engineer in charge.	note			
	Supply and fixing all accessories and supporting structure.	note			
	Checking of Internal connection & wiring, operation of switches, MCCB, MCB etc.	note			
	Supply of necessary tools, hardware, testing hardware, testing equipment during testing at site.	note			
	<u>DISTRIBUTION BOARDS (DBs) (3-Phase)</u>				
	Supply and install following surface mounted type 3-Phase, powder coated metal clad distribution box's, shall be consist with materials required to make complete according to the specified specifications and illustrated in the electrical drawings. (All MCCBs, RCCBs & MCBs should be Hager, Schneider, Terasaki or equivalent) (Please refer the DWG SWA-ICTA-MEP-D1062)				
B.7.8.5	4F/DB	item	1		
	To Collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.7.8	<u>ELECTRICAL INSTALLATION (Cont'd)</u>				
	<u>Supply and Installation of Light Fittings</u>				
	Light fittings should be of highest quality and shall be subjected to the approval of the Engineer prior to the installation.				
	All LED light fittings shall be complete with LED lamps, electronic Driver, adapter and all other accessories required.				
	Light fittings shall have 2 years warranty for all the components, Such as Lamp, Housing, ballast, emergency kit etc..				
	<u>LED Flat Panel Light</u>				
B.7.8.6	Supply and installation of LED Flat panel Light, IP 20, 4000K, 3000Lm 600x600mm Light complete with all accessories. (LED Light + Driver 39W) PC Sum for light fitting - Rs.6,500.00	nr	6		
	<u>Recess Down Light</u>				
B.7.8.7	Supply and installation of LED, 10W, IP20, 3000K, 1500Lm 100mm Recess LED Down Light Luminaire complete with all accessories. PC Sum for light fitting - Rs.2,300.00	nr	28		
	<u>LED Strip Light</u>				
B.7.8.8	Supply and installation of LED Strip Light 25mm wide, IP40, rate shall include for driver & complete with all accessories. (Strip Light Fitting Qty 1) PC Sum for light fitting - Rs.1,500.00	m	17		
	<u>Emergency Light</u>				
B.7.8.9	Supply and Installation soffit mountable, Twin, rotatable LED lamps including maintenance free battery for 30 minute operation during mains power failure. PC Sum for Unit - Rs.12,000.00	nr	3		
	To Collection			Rs.	
	<u>COLLECTION</u>				
	FROM PAGE B / 7 - 12			Rs.	
	FROM PAGE B / 7 - 13			Rs.	
	FROM PAGE B / 7 - 14			Rs.	
	FROM PAGE B / 7 - 15			Rs.	
	ELECTRICAL INSTALLATION CARRIED TO BILL NO. 07 - FOURTH SUMMARY			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.7.9	<u>ELV SYSTEM</u>				
	<p>PREAMBLE NOTES</p> <p>The Bidder shall refer the followings prior to pricing the items in this trade</p> <ol style="list-style-type: none"> All relevant drawings Specifications Location of the site Access to the site Tender and Contract conditions Make and type of fittings 	note			
	<p>EXTENT OF WORK</p> <p>The extent of the work as provided for in this bill of quantities shall consist of all the items covered under the Specifications.</p> <p>Rates for all items shall be inclusive of the following.</p> <ol style="list-style-type: none"> Provisions of holes, chases...etc. All necessary scaffoldings. Contractor's overheads & profits Providing of samples, tests, specimens etc... for such items of work as required by the Consultant. 	note			
	<p>Rates for supply and installation of ELV System with all necessary internal wiring instrument wiring loops, and necessary hardware fixing where ever necessary and complete as shown in drawing and comply with the specifications, and as per relevant latest B.S. standards and I.E.E. regulations.</p>	note			
	<p>Rate shall include for necessary chasing, trenching, conduits, cables fittings and clips, cutting holes and chases in brick work/ block work/ concrete work complete with all necessary accessories such as sockets, connections, cable glands, boxes, hardware clips, soldering and jointing materials etc., for proper installing and laying of cables.</p>	note			
	<p>All under ground cables directly buried in ground to be properly laid in ground trenches and cover with approved material if necessary. Rate for under ground cables shall include for all necessary excavation, sand layers, trench cover, warning strips and back filling with approved quality earth and properly compacted.</p>	note			

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.7.9	<u>ELV SYSTEM (Cont'd)</u> <u>TELEPHONE SYSTEM</u>				
	Telephone Point Wiring				
B.7.9.1	Supply, wiring, installation, terminating of two pair 0.50mm telephone cable from ELV rack to telephone Outlet in 20mm dia. rigid PVC conduit, including Back Boxes, Face Plates, Keystones and all other necessary accessories and consumables. (Including Telephone socket outlet)	nr	3		
	Sub Distribution Frames				
B.7.9.2	Supply and install krone type and lockable powder coated metal encloser type following Sub Distribution Frame 1 complete with all accessories, 10 pair	nr	1		
	Cables from MDF to SDF 6				
B.7.9.3	Supply, wiring, installation, terminating of 10 pair 0.5mm telephone cable from main distribution frame 1 to sub distribution frame 6 at 4th floor floor through the rigid PVC conduit complete with all required materials.	Item	1		
	To Collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.7.9	<u>ELV SYSTEM (Cont'd)</u>				
	<u>DATA SYSTEM</u>				
	Data Point Wiring				
B.7.9.4	Supply, wiring, installation, terminating of CAT 6 cable from Network rack to Data Outlet (RJ45) in 20mm dia. rigid PVC conduit, including Back Boxes, Face Plates, Keystones and all other necessary accessories and consumables. (Including Data socket with shutter)	nr	3		
	Patch Panel				
B.7.9.5	19" rack mountable, 16 port Cat 6 Patch Panel complete with fixing brackets, and accessories, for complete rack installation	nr	1		
	POE Network Switch				
B.7.9.6	19" rack mountable type, 16 port POE Cat 6 Network Switch complete with fixing brackets, and accessories, for complete rack installation.	nr	1		
	ELV Rack				
B.7.9.7	Supply and installation of 3U Wall mounted type 19" rack unit with, glassed lockable door,cable management unit, fan plate with 1 no. fans complete with fixing brackets and accessories for complete rack installation.	nr	1		
	HDMI Point Wiring				
B.7.9.8	Supply, wiring, installation, terminating of Type 3 HDMI cable from ceiling level mounted projector to floor level in 20mm dia. rigid PVC conduit / casing, including Back Boxes, Face Plates, Keystones and all other necessary accessories and consumables. (Including floor mount HDMI socket)	nr	1		
	Multimedia Projector				
B.7.9.9	Supply and insllation multimedia projector with Resolution: 1920x1080dpi , Support: 4K , Lamp Life Span : 50,000 Hrs with mouting bracket to the soffit. Make 'EPSON' or Equivalent.	nr	1		
	To Collection			Rs.	
	<u>COLLECTION</u>				
	FROM PAGE B / 7 - 17			Rs.	
	FROM PAGE B / 7 - 18			Rs.	
	ELV SYSTEM CARRIED TO BILL NO. 07 - FOURTH SUMMARY			Rs.	

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT(LKR)
	<u>SUMMARY</u>				
B.7.1	CONCRETE WORK			Rs.	
B.7.2	METAL WORK			Rs.	
B.7.3	DOORS, WINDOWS & PARTITIONS			Rs.	
B.7.4	FINISHES			Rs.	
B.7.5	PAINTING & DECORATING			Rs.	
B.7.6	MISCELLANEOUS			Rs.	
B.7.7	FURNITURE			Rs.	
B.7.8	ELECTRICAL INSTALLATION			Rs.	
B.7.9	ELV SYSTEM			Rs.	
	BILL NO. 07 - FOURTH FLOOR TOTAL CARRIED TO GRAND SUMMARY			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.8.1	<u>DEMOLISHING & DISMANTLING WORK</u>				
	Rate to include for temporary supports incidental to demolitions, disposal of materials other than those remaining for the property of the Employer		note		
	Materials to which have a salvage value, may carefully dismantled, labeled, listed and hand over to the Employer. Rate shall include for complying with this and for providing temporary supports during demolition.		note		
	Preparing inventory of all salvage materials to be handed over to client.		note		
	Coordination of Employer for using of existing services		note		
B.8.1.1	Dismantle and carefully remove existing ceiling and frame work. (Mineral fibre ceiling in Meeting Rooms)	m ²	21		
	DEMOLISHING & DISMANTLING WORK CARRIED TO BILL NO. 08 - FIFTH FLOOR SUMMARY			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.8.2	<u>CARPENTRY</u>				
	Shop drawings and samples of materials, fixing details etc. to be submitted for the approval of the Engineer/Architect before commencement of works	note			
	Unless otherwise specified, rates for all timber members shall include for finishing exposed timber surfaces with "Sayerlack" or approved equivalent water base paint system to approved colour / stain in accordance with the manufacturers specifications.	note			
B.8.2.1	50 x 50mm timber (pinewood) batterens fixed vertically to the gypsum partition (gypsum partition measured separately) including all necessary fixing accessories.	m ²	28		
	CARPENTRY WORK CARRIED TO BILL NO. 08 - FIFTH FLOOR SUMMARY			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.8.3	<u>DOORS & WNDOWS & PARTITIONS</u>				
i	Aluminium frames described elsewhere to be 60-80 microns powder coated aluminium extrusions to approved colour series selected by the Architect.	note			
ii	Rates for doors shall include for ironmongery including door locks (two turn lock system) & hairline finished stainless steel door handles, door closers etc. (sizes as per drawings),	note			
iii	Door locks, door closers shall be of "Hafele", "Dorma" or approved equivalent	note			
iv	Beading - ' U ' type beading	note			
v	Refer all notes in the drawings & All to be completed as per drawings	note			
vi	Shop drawings and samples of aluminium sections and ironmongery to be submitted for the approval of the Engineer/Architect prior to commencement of fabrication.	note			
vii	Stainless steel fittings, frames etc. shall be of Grade 304	note			
viii	All dimensions to be checked & verified at site prior to fabrication	note			
ix	If any discrepancy in the dimension or description in the BOQ defer from the drawing BOQ supersede the drawing	note			
x	Rates for plywood doors shall include for framing, ironmongery including locks, brass hinges, door closers etc. and complete to detail drawing (refer all notes in the drawings)				
	<u>Timber framed Plywood Doors</u>				
B.8.3.1	Door type "D01", 965x2100mm overall size 100X75 mm timber framed solid plywood single sash door complete as per detail.	nr	3		
	To collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.8.3	<u>DOORS & WNDOWS & PARTITIONS - Cont'd</u>				
	<u>Partitions</u>				
	<u>Gypsum board Partition</u>				
B.8.3.2	Full height Gypsum board partition to total thickness of 50mm comprising 12mm thick gypsum board (both sides) fixed to 50x50mm steel frame work at 1350mm centres. Rate shall include for fixing with brass screws, sealing joints with approved joint tape and all complete to detail. (Painting measured separately.)	m ²	33		
B.8.3.3	1200mm height Gypsum board partition to total thickness of 50mm comprising 12mm thick gypsum board (both sides) fixed to 50x50mm steel frame work at 1350mm centres. Rate shall include for fixing with brass screws, sealing joints with approved joint tape and all complete to detail. (Painting measured separately.)	m ²	23		
	<u>Glazed Partition</u>				
B.8.3.4	Full height glazed partitions (2700mm height) consist of 10mm thick tempered glass with aluminium U profile with silicon bond & all complete to detail. (Sticker measured seperately)	m ²	23		
B.8.3.5	Supply and paste patterned sticker on glass partitions (one side) selected to Architect's approval	m ²	23		
	To collection			Rs.	
	<u>COLLECTION</u>				
	FROM PAGE B/8 - 3			Rs.	
	FROM PAGE B/8 - 4			Rs.	
	DOORS, WNDOWS & PARTITIONS CARRIED TO BILL				
	NO. 08 - FIFTH FLOOR SUMMARY			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.8.4	<u>FINISHES</u>				
	Floor Finishes				
i	All tiles to be square cut with no tolerance	note			
ii	All materials specified shall be of recognized brands and the quality, colour, and design to the approval of the Architect	note			
iii	Rates shall include for waste, or any traditional allowances unless otherwise specifically stated in the preambles of trades	note			
iv	Rate shall cover all the requirements to complete the proper completion of the works if not covered in the BOQ description	note			
v.	Rate shall include for supply,install, backing screed,cement putty approved polymer tile grout or adhesive	note			
vi.	Refer with the drawing for relevant code nos & annotationss	note			
	<u>Carpet flooring</u>				
B.8.4.1	Supply & lay 5mm thick Nylon Tufted loop pile carpet tiles with pvc backing in accordance with the manufacturers specifications with an including underlayer, adhesive recommend to carpet manufacturer. Rate shall include for cleaning floors & make good any defects in floors prior to laying of carpet. (Prime cost sum Rs. 2,800/- per m ² excluding VAT)				
B.8.4.2	Supply & lay 8mm beveled edged HDF engineered PVC Vinyl laminated timber planks (Supreme floors - SV-512-Teak or approved equivalent) (Prime cost sum Rs. 4,610/- per m ² excluding VAT)	m ²	101		
	<u>Wall Finishes</u>				
	<u>Internally</u>				
B.8.4.3	75mm high x 18mm thick treated solid timber skirting fix to base of wall/columns with screw nails covered with timber dowels including all fixing accessories. Rate shall include for finishing with water based paint system to approval	m	24		
	To collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.8.4	<u>FINISHES - Cont'd</u>				
	<u>Ceiling Finishes</u>				
i	Contractor should submit shop drawings, fixing details & get approvals before commencing fabrication	note			
ii	Samples of all materials to be submitted for approval	note			
iii	Openings to be provided for light fittings as specified	note			
iv	Rate shall include for all GI members to be painted with matt black egg shell finish.	note			
B.8.4.4	12mm thick Plaster board suspended ceiling on & including G.I. frame work. Sub frame span to be 600mm maximum and fixed to main frames to fix sheets with & including brass screws at 450 mm max c/c , grooves sealed with approved joint tape, finished with & including 2 coats of total coat applied on entire surface, cut & painted with two coats of emulsion paint to approved colour.	m ²	5		
B.8.4.5	Supply & installation of 25mm thick dark oak wood veneered plywood ceiling fixed to detail. (Frame work measured seperately)	m ²	5		
	<u>Frame Work for Dark oak wood veeneered plywood ceiling at top level</u>				
B.8.4.6	25mm thick dark oak wood veneered plywood ceiling fixed to existing slab by using aluminium threaded drop rods. (Plywood ceiling measured seperately) Rate shall include for 25x50mm box bar frame work, L angle, rubber washer and all other necessary accessories to complete as per detail drawing no. SWA-ICTA-AR-CT-A9011	m ²	5		
	To collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.8.4	<u>FINISHES - Cont'd</u>				
	<u>Ceiling Finishes - Cont'd</u>				
	<u>Frame Work for Dark oak wood veneered plywood ceiling at bottom level</u>				
B.8.4.7	25mm thick dark oak wood veneered plywood ceiling fixed to existing slab by using aluminium threaded drop rods. (Plywood ceiling measured seperately) Rate shall include for aluminium black powder coated 25x50mm box bar frame work,25x25mm L angle with 350mm centres in both ways & 18mm thick black melamine board panels (as shown on the drawing) (to hold 100mm dia. Recessed round LED lighting as per Architectural Lighting Layout) and all complete as per detail drawing nos. SWA-ICTA-AR-CT-A9011-R0	m ²	10		
B.8.4.8	The Bidder will List here and price any items not mentioned herein but may require for satisfactory completion of this section as shown on the drawings & mentioned in the specification	Item	1		
i	.....			
ii	.....			
iii					
	To collection			Rs.	
	<u>COLLECTION</u>				
	FROM PAGE B/8 - 5			Rs.	
	FROM PAGE B/8 - 6			Rs.	
	FROM PAGE B/8 - 7			Rs.	
	FINISHES CARRIED TO BILL NO. 08 - FIFTH FLOOR SUMMARY			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT(LKR)
B.8.5	<u>PAINTING & DECORATING</u>				
B.8.5.1	Prepare & apply two coats of skim coat, prepare surface smooth with sand paper, apply a coat of "Dulux" , "CIC" or equivalent wall filler & finish with two minimum coats of "Dulux" , "CIC" or equivalent emulsion paint of approved color to gypsum board partitions.	m ²	112		
B.8.5.2	Prepare surface smooth with sand paper, apply a coat of "Dulux" , "CIC" or equivalent wall filler & finish with two minimum coats of "Dulux" , "CIC" or equivalent emulsion paint of approved color to existing walls & columns.	m ²	83		
	PAINTING & DECORATING CARRIED TO BILL NO. 08 - FIFTH FLOOR SUMMARY				
				Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT(LKR)
B.8.6	<u>MISCELLANEOUS</u>				
	<u>Vertical Blinds</u>				
B.8.6.1	Supply and installation of vertical Zebra Blinds operated manually (Bead chain) (Prime cost sum Rs. 7,000/- per m2 excluding VAT)	m ²	47		
	<u>Work station Flower Pots</u>				
	Shop drawings and samples of aluminium sections to be submitted for the approval of the Engineer/Architect prior to commencement of the work.	note			
	Fixing method should be proposed by the Contractor & get the approval from the Engineer.	note			
	Rate shall include for all GI members to be painted with matt black egg shell finish. Rate to include applying two coats of anti-corrosive primer and top coat.	note			
	50x100mm Black powder coated GI hollow box section fixed (anchor bolted) vertically to the existing slab. 25x50mm black powder coated GI hollow box section frame work in both ways and fix to the vertical GI post and hang the corners to the existing slab with using mat black finish 10mm wire rope cables. Aluminium Amplimesh fix to the GI hollow box section frame work. Planter boxes comprising of 25x25mm black powder coated GI hollow box section framed covered with 10mm thick teak colour painted plywood sheet and all complete as per detail drawings. (Refer Drawing Nos. SWA-ICTA-AR-CT-A9001-R0)				
B.8.6.2	Type - 1	m ²	47		
B.8.6.3	Type - 2	m ²	46		
B.8.6.4	Supply & placing of Artificial plants with pots as specified by the Architect.	nr	85		
	MISCELLANEOUS CARRIED TO BILL NO. 08 - FIFTH FLOOR SUMMARY				
				Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.8.7	<u>FURNITURE</u>				
	All custom designed furniture to be made of solid surface material to necessary standards & made to given designs & profile	note			
	Stainless steel shall be of Grade 304	note			
	Shop drawings and samples of material to be submitted for prior approval	note			
	Refer image for types of furniture	note			
	Refer Drawing Nos. SWA-ICTA-AR-CT-A9001 to A9126 , SWA-ICTA-AR-CT-A8001 to A8003	note			
	<u>Supply of furniture as follows:-</u>				
	<u>Chairs</u>				
3.8.7.1	High density foam full PU for front, rear/PU padded arm - Type C1 (Prime cost sum Rs. 34,000/- per nr excluding VAT)	nr	1		
3.8.7.2	High density foam with full PPE for the front & rear with PU padded chromed arm - Type C2 (Prime cost sum Rs. 27,000/- per nr excluding VAT)	nr	3		
3.8.7.3	High density foam with full PPE for the front & rear with height adjustable with soft PU padded chromed arm - Type C3 (Prime cost sum Rs. 39,000/- per nr excluding VAT)	nr	5		
3.8.7.4	Modern bentwood chair in charcoal gray linen look fabric - Type C4 (refer image) (Prime cost sum Rs. 30,000/- per nr excluding VAT)	nr	10		
3.8.7.5	Rotate type chair equivalent to existing rotate type blue and black chair at finance division - Type C8	nr	3		
3.8.7.6	2800mm long Ash colour contempo chaise end fabric couch Type SF1	nr	1		
	To Collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.8.7	<u>FURNITURE - Cont'd</u>				
	<u>Tables</u>				
3.8.7.7	2100x1700 mm dark oak wood L shaped table with side drawer unit - Type T2 (Prime cost sum Rs. 60,000/- per nr excluding VAT)	nr	1		
3.8.7.8	2100x1000mm dark oak wood 6 seater meeting table - Type T11 (Prime cost sum Rs. 50,000/- per nr excluding VAT)	nr	1		
	<u>Custom made Furniture</u>				
	<u>Cupboards</u>				
3.8.7.9	1300mm high oak white wood wall cupboard /doors with white melamine with middle drawers - Type CU4 (Front panel full height)	nr	6		
	<u>Furniture - Pantry</u>				
3.8.7.10	2100mm long 2700mm high oak white wood Pantry with top & bottom cupboards - Type P1	nr	1		
	To Collection			Rs.	
	<u>COLLECTION</u>				
	FROM PAGE - B/8 - 10			Rs.	
	FROM PAGE - B/8 - 11			Rs.	
	FURNITURE CARRIED TO			Rs.	
	BILL NO. 08 - FIRST FLOOR SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.8.8	<u>ELECTRICAL INSTALLATION</u>				
	All works shall comply with latest 17th edition of IEE wiring regulations. Sample of items shall be submitted in advance for Engineer's approval.	note			
	All wiring shall be done in concealed conduits as and where is possible in other areas.	note			
	Contractor shall submit conduit layouts / plans for the approval of the Engineer before laying of conduits.	note			
	Minimum diameter of pvc electrical conduits shall be one inch and if exposed ¾ inch for GI conduits.	note			
	Locations of Lamp Fittings, Switches, Socket Outlets, and Bulk Power Points are indicated in the drawings.	note			
	All MCCBs, MCBs shall be of reputed brand, preferably Schneider, ABB or Telemechanic.	note			
	All Surface Mounted and Flush Mounted Panel Enclosures shall be of reputed brand preferably of KIK, Magline or Illukkumbura	note			
	Catalogs/ CAD drawings with model numbers of offered lamp fittings with supplier's name shall be attached with the tender.	note			
	Wiring shall be measured net as shown on the GFC / As built drawings without any additional leverage for loose cables. The unit rate shall include all necessary loose wiring required for the works in switch boards / junctions / bends / curves / circles and end terminations etc	note			
	No taped joints are permitted and reliable connectors (3M) can be used only where it is absolutely essential.	note			
	Proper earthing of Electrical appliances is essential to the main earth and this includes metal fittings, metal framed signboards etc..	note			
	The contractor should submit the originals of the warranty and guarantee documents in the handing over stage.	note			

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.8.8	<u>ELECTRICAL INSTALLATION - Cont'd</u>				
	<u>Prices are deemed to include for the following</u>				
	Prices of Distribution boards deemed to include for finished enclosures, MCB's, Neutral links dummy plates if any and the required chipping, fixing of DB in walls etc.	note			
	Prices for Under Ground Cable deemed to include for excavation, protection of cable, refilling with excavated earth, consolidation / compaction etc.	note			
	Prices for conduits deemed to include for standard junction boxes and fittings and fixing conduits to or through all building surfaces.	note			
	Prices deemed to include for all cable supports and fixings; providing draw wires, draw cables and similar items for drawing or hoisting cables.	note			
	Co-ordination of works between contractor and subcontractors and/or Principal.	note			
	Providing all samples of materials and finishes as required by the Specification.	note			
	Complying with the relevant Acts, By-laws and regulations.	note			
	Carrying out tests as required.	note			
	Testing all installations as required and specified.	note			
	Submit notices, obtaining permits and completion certificates, paying fees and charges in connection with the relevant installations.	note			
	Obtaining and submitting all guarantees and warranties as specified.	note			
	Quality Assurance and control as specified.	note			
	Providing plans, diagrams, manuals and similar items as required for the relevant installations.	note			
	Coordinating penetrations in connection with the installations.	note			
	Provision of rigid framework in stud walls for the fixing of cable support channels, distribution boards, control panels and similar equipment.	note			
	All Electrical Installation conduct according to BS Standard BS 7671 : 8th edition.	note			

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.8.8	<u>ELECTRICAL INSTALLATION - Cont'd</u>				
	<u>FINAL SUB CIRCUIT LAMP POINT WIRING</u>				
	The wiring shall be in full rigid PVC conduits with the conduit system providing a continuous and effective means of protection for the wiring. The conduit system shall be concealed in the building fabric and where provided under a roof, the conduit shall be clipped to the roof members.	note			
	Indoor Lamp Point Wiring				
B.8.8.1	Supply and wiring of 10Amp light point with switch outlet and connectors with other all necessary materials required to make complete installation. Wiring shall be in 1.0mm ² Cu/PVC/PVC cables + E as specified and shown in the electrical drawings.	nr	47		
	<u>Power Points</u>				
	Note : UPS Power sockets in red colour and Raw power sockets shall be in white colour. Indicator socket outlets shall be use for the all power points.				
	13A Single Socket Outlets (Raw Power)				
B.8.8.2	Supply and install 2.5mm ² CU/PVC/PVC cable and 2.5 mm ² earth Cu conductor with all accessories required to make complete installations and wire 230 volts, 13 Amp. Single power socket outlet in ring circuit as specified specifications & illustrated in the electrical drawings. (including 13A Indicator Socket outlet)	nr	62		
	15A Single Socket Outlets (Raw Power)				
B.8.8.3	Supply and install 2.5mm ² CU/PVC/PVC cable and 2.5 mm ² earth Cu conductor with all accessories required to make complete installations and wire 230 volts, 15 Amp. Single power socket outlet in ring circuit as specified specifications & illustrated in the electrical drawings. (including 15A Indicator Socket outlet)	nr	1		
	To Collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.8.8	<u>ELECTRICAL INSTALLATION - Cont'd</u>				
	<u>FEEDER CABLES</u>				
	The cable shall be laid underground when laid outside the building in the method as specified and shall be laid in prepared trench / cable tray / duct when laid inside the building. The cable shall be laid to UPVC pipe at the entry of the building. The unit rate shall include following description.	note			
	The unit rate for each item shall include : Actual cable lengths has to be re-confirmed after shop drawing approvals	note			
	Unloading of Cable	note			
	Provide storage facilities at site store.	note			
	Shifting of cable from site store to place of installation.	note			
	Laying of cable in the prepared trench / cable tray / duct when laid inside the building or underground when laid outside the building.	note			
	Connection of cable.	note			
	Excavation in hard or soft murex / rocky area up to required depth, supply and laying of protection bricks, supply and backfilling with fine sand, leveling the ground to match with the existing condition.	note			
	Supply and fixing of cable clamps, brackets, supports, route markers etc. as required for cable tray, duct.	note			
	Earthling the glands and armouring with earthling clamp and jumper and also connecting to common earth bar.	note			
	Testing of cables.	note			
	Supply and installation of Feeder Cables	note			
	<u>Unarmoured Cables</u> Supply, install, terminate following CU/ PVC/ PVC, CU/ XLPE/PVC cables with all accessories in 32mm dia. PVC Conduits as required to make complete installation according to the specifications and electrical drawings.				
B.8.8.4	1 x 4C 10 mm ² CU/PVC/PVC Cable + 1C 10mm ² Earth Cable (from MDB to 5F/DB)	m	31		
	To Collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.8.8	<u>ELECTRICAL INSTALLATION - Cont'd</u>				
	<u>Electrical Panel Boards</u>				
	Supply, installation, assembling, connection, testing and commissioning of Panels as per Specification, BS & relevant drawings.	note			
	All panels and DBs shall be manufacturers Government approved panel manufacturer.	note			
	The unit rate for each item shall include : Supply of panels.	note			
	Testing of panels as per specifications at manufacturer's works in presence of client's representative and/or consultant.	note			
	Delivery of the panels / DB's to site.	note			
	Shifting of the panels from site store to the suitable location.	note			
	Assembly and wiring of component supplied separately.	note			
	Installation of panels as per location arranged by site Engineer in charge including removing packing.	note			
	Earthling all components, frame etc. to a common internal earth bar.	note			
	Touching of body with enable painting for damaged parts. All the nuts bolts & joints exposed to the air shall be covered with suitable anti - oxidant material or as directed by the Engineer in charge.	note			
	Supply and fixing all accessories and supporting structure.	note			
	Checking of Internal connection & wiring, operation of switches, MCCB, MCB etc.	note			
	Supply of necessary tools, hardware, testing hardware, testing equipment during testing at site.	note			
	DISTRIBUTION BOARDS (DBs) (3-Phase)				
	Supply and install following surface mounted type 3-Phase, powder coated metal clad distribution box's, shall be consist with materials required to make complete according to the specified specifications and illustrated in the electrical drawings. (All MCCBs, RCCBs & MCBs should be Hager, Schneider, Terasaki or equivalent) (Please refer the DWG SWA-ICTA-MEP-D1062)				
B.8.8.5	5F/DB	item	1		
	To Collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.8.8	<u>ELECTRICAL INSTALLATION - Cont'd</u>				
	<u>Supply and Installation of Light Fittings</u>				
	Light fittings should be of highest quality and shall be subjected to the approval of the Engineer prior to the installation.				
	All LED light fittings shall be complete with LED lamps, electronic Driver, adapter and all other accessories required.				
	Light fittings shall have 2 years warranty for all the components, Such as Lamp, Housing, ballast, emergency kit etc..				
	<u>LED Flat Panel Light</u>				
B.8.8.6	Supply and installation of LED Flat panel Light, IP 20, 4000K, 3000Lm 600x600mm Light complete with all accessories. (LED Light + Driver 39W) PC Sum for light fitting - Rs.6,500.00	nr	3		
	<u>Recess Down Light</u>				
B.8.8.7	Supply and installation of LED, 10W, IP20, 3000K, 1500Lm 100mm Recess LED Down Light Luminaire complete with all accessories. PC Sum for light fitting - Rs.2,300.00	nr	44		
	<u>Emergency Light</u>				
B.8.8.8	Supply and Intallation soffit mountable, Twin, rotatable LED lamps including maintenance free battery for 30 minute operation during mains power failure. PC Sum for Unit - Rs.12,000.00	nr	3		
	To Collection			Rs.	
	<u>COLLECTION</u>				
	FROM PAGE B / 8 - 14			Rs.	
	FROM PAGE B / 8 - 15			Rs.	
	FROM PAGE B / 8 - 16			Rs.	
	FROM PAGE B / 8 - 17			Rs.	
	ELECTRICAL INSTALLATION CARRIED TO BILL NO. 08 - FIFTH FLOOR SUMMARY			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.8.9	<u>ELV SYSTEM</u>				
	<p>PREAMBLE NOTES</p> <p>The Bidder shall refer the followings prior to pricing the items in this trade</p> <ol style="list-style-type: none"> All relevant drawings Specifications Location of the site Access to the site Tender and Contract conditions Make and type of fittings 	note			
	<p>EXTENT OF WORK</p> <p>The extent of the work as provided for in this bill of quantities shall consist of all the items covered under the Specifications.</p> <p>Rates for all items shall be inclusive of the following.</p> <ol style="list-style-type: none"> Provisions of holes, chases...etc. All necessary scaffoldings. Contractor's overheads & profits Providing of samples, tests, specimens etc... for such items of work as required by the Consultant. 	note			
	<p>Rates for supply and installation of ELV System with all necessary internal wiring instrument wiring loops, and necessary hardware fixing where ever necessary and complete as shown in drawing and comply with the specifications, and as per relevant latest B.S. standards and I.E.E. regulations.</p>	note			
	<p>Rate shall include for necessary chasing, trenching, conduits, cables fittings and clips, cutting holes and chases in brick work/ block work/ concrete work complete with all necessary accessories such as sockets, connections, cable glands, boxes, hardware clips, soldering and jointing materials etc., for proper installing and laying of cables.</p>	note			
	<p>All under ground cables directly buried in ground to be properly laid in ground trenches and cover with approved material if necessary. Rate for under ground cables shall include for all necessary excavation, sand layers, trench cover, warning strips and back filling with approved quality earth and properly compacted.</p>	note			

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.8.9	<u>ELV SYSTEM - Cont'd</u> <u>TELEPHONE SYSTEM</u>				
	Telephone Point Wiring				
B.8.9.1	Supply, wiring, installation, terminating of two pair 0.50mm telephone cable from ELV rack to telephone Outlet in 20mm dia. rigid PVC conduit, including Back Boxes, Face Plates, Keystones and all other necessary accessories and consumables. (Including Telephone socket outlet)	nr	24		
	Sub Distribution Frames				
B.8.9.2	Supply and install krone type and lockable powder coated metal encloser type following Sub Distribution Frame 1 complete with all accessories, 30 pair	nr	1		
	Cables from MDF to SDF 7				
B.8.9.3	Supply, wiring, installation, terminating of 30 pair 0.5mm telephone cable from main distribution frame 1 to sub distribution frame 7 at 5th floor floor through the rigid PVC conduit complete with all required materials.	Item	1		
	To Collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.8.9	<u>ELV SYSTEM - Cont'd</u>				
	<u>DATA SYSTEM</u>				
	Data Point Wiring				
B.8.9.4	Supply, wiring, installation, terminating of CAT 6 cable from Network rack to Data Outlet (RJ45) in 20mm dia. rigid PVC conduit, including Back Boxes, Face Plates, Keystones and all other necessary accessories and consumables. (Including Data socket with shutter)	nr	8		
	Patch Panel				
B.8.9.5	19" rack mountable, 16 port Cat 6 Patch Panel complete with fixing brackets, and accessories, for complete rack installation	nr	1		
	POE Network Switch				
B.8.9.6	19" rack mountable type, 16 port POE Cat 6 Network Switch complete with fixing brackets, and accessories, for complete rack installation.	nr	1		
	ELV Rack				
B.8.9.7	Supply and installation of 3U Wall mounted type 19" rack unit with, glassed lockable door, cable management unit, fan plate with 1 no. fans complete with fixing brackets and accessories for complete rack installation.	nr	1		
	HDMI Point Wiring				
B.8.9.8	Supply, wiring, installation, terminating of Type 3 HDMI cable from ceiling level mounted projector to floor level in 20mm dia. rigid PVC conduit / casing, including Back Boxes, Face Plates, Keystones and all other necessary accessories and consumables. (Including floor mount HDMI socket)	nr	1		
	To Collection			Rs.	
	<u>COLLECTION</u>				
	FROM PAGE B / 8 - 19			Rs.	
	FROM PAGE B / 8 - 20			Rs.	
	ELV SYSTEM CARRIED TO				
	BILL NO. 08 - FIFTH FLOOR SUMMARY			Rs.	

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT(LKR)
	<u>SUMMARY</u>				
B.8.1	DISMANTLING & DEMOLISHING WORK			Rs.	
B.8.2	CARPENTRY WORK			Rs.	
B.8.3	DOORS, WINDOWS & PARTITIONS			Rs.	
B.8.4	FINISHES			Rs.	
B.8.5	PAINTING & DECORATING			Rs.	
B.8.6	MISCELLANEOUS			Rs.	
B.8.7	FURNITURE			Rs.	
B.8.8	ELECTRICAL INSTALLATION			Rs.	
B.8.9	ELV SYSTEM			Rs.	
	BILL NO.08 - FIFTH FLOOR TOTAL CARRIED TO GRAND SUMMARY			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.9.1	<u>DEMOLISHING & DISMANTLING WORK</u>				
	Rate to include for temporary supports incidental to demolitions, disposal of materials other than those remaining for the property of the Employer		note		
	Materials to which have a salvage value, may carefully dismantled, labeled, listed and hand over to the Employer. Rate shall include for complying with this and for providing temporary supports during demolition.		note		
	Preparing inventory of all salvage materials to be handed over to client.		note		
	Coordination of Employer for using of existing services		note		
B.9.1.1	Dismantle and carefully remove existing ceiling and frame work. (Mineral fibre ceiling in Meeting Rooms)	m ²	43		
	DEMOLISHING & DISMANTLING WORK CARRIED TO BILL NO. 09 - SIXTH FLOOR SUMMARY			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.9.4	<u>DOORS & WNDOWS & PARTITIONS</u>				
i	Aluminium frames described elsewhere to be 60-80 microns powder coated aluminium extrusions to approved colour series selected by the Architect.	note			
ii	Rates for doors shall include for ironmongery including door locks (two turn lock system) & hairline finished stainless steel door handles, door closers etc. (sizes as per drawings),	note			
iii	Door locks, door closers shall be of "Hafele", "Dorma" or approved equivalent	note			
iv	Beading - ' U ' type beading	note			
v	Refer all notes in the drawings & All to be completed as per drawings	note			
vi	Shop drawings and samples of aluminium sections and ironmongery to be submitted for the approval of the Engineer/Architect prior to commencement of fabrication.	note			
vii	Stainless steel fittings, frames etc. shall be of Grade 304	note			
viii	All dimensions to be checked & verified at site prior to fabrication	note			
ix	If any discrepancy in the dimension or description in the BOQ defer from the drawing BOQ supersede the drawing	note			
x	Rates for plywood doors shall include for framing, ironmongery including locks, brass hinges, door closers etc. and complete to detail drawing (refer all notes in the drawings)				
	<u>Timber Doors</u>				
B.9.4.1	Door type "D01", 965x2100mm overall size 100X75 mm timber framed solid plywood single sash door complete as per detail.	nr	4		
	To collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.9.4	<u>DOORS & WNDOWS & PARTITIONS - Cont'd</u>				
	<u>Glass Doors</u>				
B.9.4.2	Door Type "GD01", 1525 x 2100mm overall size 10 mm thick toughened glass double sashed frameless glazed door with and including stainless steel door handles, floor hinges and all other fittings and fixtures complete to working order.	nr	1		
	<u>Partitions</u>				
	<u>Gypsum board Partition</u>				
B.9.4.3	Full height Gypsum board partition to total thickness of 50mm comprising 12mm thick gypsum board (both sides) fixed to 50x50mm steel frame work at 1350mm centres. Rate shall include for fixing with brass screws, sealing joints with approved joint tape and all complete to detail. (Painting measured separately.)	m ²	95		
B.9.4.4	1200mm height Gypsum board partition to total thickness of 50mm comprising 12mm thick gypsum board (both sides) fixed to 50x50mm steel frame work at 1350mm centres. Rate shall include for fixing with brass screws, sealing joints with approved joint tape and all complete to detail. (Painting measured separately.)	m ²	20		
	<u>Glazed Partition</u>				
B.9.4.5	Full height glazed partitions (2700mm height) consist of 10mm thick tempered glass with aluminium U profile with silicon bond & all complete to detail. (Sticker measured seperately)	m ²	35		
	To collection			Rs.	-

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.9.4	<u>DOORS & WNDOWS & PARTITIONS Cont'd</u>				
B.9.4.6	The Bidder will List here and price any items not mentioned herein but may require for satisfactory completion of this section as shown on the drawings & mentioned in the specification				
i	.....	Item	1		
ii	.....			
iii	.....			
	To collection			Rs.	-
	COLLECTION				
	From Page B/9 - 4			Rs.	
	From Page B/9 - 5			Rs.	
	From Page B/9 - 6			Rs.	
	DOORS, WNDOWS & PARTITIONS CARRIED TO BILL				
	NO. 09 - SIXTH FLOOR SUMMARY			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.9.5	<u>FINISHES</u>				
	Floor Finishes				
i	All tiles to be square cut with no tolerance	note			
ii	All materials specified shall be of recognized brands and the quality, colour, and design to the approval of the Architect	note			
iii	Rates shall include for waste, or any traditional allowances unless otherwise specifically stated in the preambles of trades	note			
iv	Rate shall cover all the requirements to complete the proper completion of the works if not covered in the BOQ description	note			
v.	Rate shall include for supply,install, backing screed,cement putty approved polymer tile grout or adhesive	note			
vi.	Refer with the drawing for relevant code nos & annotationss	note			
	<u>Carpet flooring</u>				
B.9.5.1	Supply & lay 5mm thick Nylon Tufted loop pile carpet tiles with pvc backing in accordance with the manufacturers specifications with an including underlayer, adhesive recommend to carpet manufacturer. Rate shall include for cleaning floors & make good any defects in floors prior to laying of carpet. (Prime cost sum Rs. 2,800/- per m ² excluding VAT)	m ²	124		
	<u>Timber flooring</u>				
B.9.5.2	Supply & lay 8mm beveled edged HDF engineered PVC Vinyl laminated timber planks (Supreme floors - SV-512-Teak or approved equivalent) (Prime cost sum Rs. 4,610/- per m ² excluding VAT)	m ²	182		
	<u>Wall Finishes</u>				
	<u>Internally</u>				
B.9.5.3	75mm high x 18mm thick treated solid timber skirting fix to base of wall/columns with screw nails covered with timber dowels including all fixing accessories. Rate shall include for finishing with water based paint system to approval	m	75		
	To collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.9.5	<u>FINISHES - Cont'd</u>				
	<u>Ceiling Finishes</u>				
i	Contractor should submit shop drawings, fixing details & get approvals before commencing fabrication	note			
ii	Samples of all materials to be submitted for approval	note			
iii	Openings to be provided for light fittings as specified	note			
iv	Rate shall include for all GI members to be painted with matt black egg shell finish.	note			
B.9.5.4	12mm thick Plaster board suspended ceiling on & including G.I. frame work. Sub frame span to be 600mm maximum and fixed to main frames to fix sheets with & including brass screws at 450 mm max c/c , grooves sealed with approved joint tape, finished with & including 2 coats of total coat applied on entire surface, cut & painted with two coats of emulsion paint to approved colour.	m ²	27		
B.9.5.5	Supply & installation of 25mm thick dark oak wood veneered plywood ceiling fixed to detail. (Frame work measured seperately)	m ²	16		
	To collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.9.5	<u>FINISHES - Cont'd</u>				
	<u>Ceiling Finishes - Cont'd</u>				
	<u>Frame Work for Dark oak wood veneered plywood ceiling at bottom level</u>				
B.9.5.6	25mm thick dark oak wood veneered plywood ceiling fixed to existing slab by using aluminium threaded drop rods. (Plywood ceiling measured seperately) Rate shall include for aluminium black powder coated 25x50mm box bar frame work,25x25mm L angle with 350mm centres in both ways & 18mm thick black melamine board panels (as shown on the drawing) (to hold 100mm dia. Recessed round LED lighting as per Architectural Lighting Layout) and all complete as per detail drawing nos. SWA-ICTA-AR-CT-A9011-R0	m ²	16		
B.9.5.7	The Bidder will List here and price any items not mentioned herein but may require for satisfactory completion of this section as shown on the drawings & mentioned in the specification	Item	1		
i	.....			
ii	.....			
iii					
	To collection			Rs.	
	<u>COLLECTION</u>				
	FROM PAGE B/9 - 7			Rs.	
	FROM PAGE B/9 - 8			Rs.	
	FROM PAGE B/9 - 9			Rs.	
	FINISHES CARRIED TO				
	BILL NO. 09 - SIXTH FLOOR SUMMARY			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT(LKR)
B.9.7	<u>MISCELLANEOUS</u>				
	<u>Vertical Blinds</u>				
B.9.7.1	Supply and installation of vertical Zebra Blinds operated manually (Bead chain) (Prime cost sum Rs. 7,000/- per m2 excluding VAT)	m ²	71		
	<u>Work station Flower Pots</u>				
	Shop drawings and samples of aluminium sections to be submitted for the approval of the Engineer/Architect prior to commencement of the work.	note			
	Fixing method should be proposed by the Contractor & get the approval from the Engineer.	note			
	Rate shall include for all GI members to be painted with matt black egg shell finish. Rate to include applying two coats of anti-corrosive primer and top coat.	note			
	50x100mm Black powder coated GI hollow box section fixed (anchor bolted) vertically to the existing slab. 25x50mm black powder coated GI hollow box section frame work in both ways and fix to the vertical GI post and hang the corners to the existing slab with using mat black finish 10mm wire rope cables. Aluminium Amplimesh fix to the GI hollow box section frame work. Planter boxes comprising of 25x25mm black powder coated GI hollow box section framed covered with 10mm thick teak colour painted plywood sheet and all complete as per detail drawings. (Refer Drawing Nos. SWA-ICTA-AR-CT-A9001-R0)				
B.9.7.2	Type - 3	m ²	19		
B.9.7.3	Type - 4	m ²	12		
B.9.7.4	Supply & placing of Artificial plants with pots as specified by the Architect.	nr	50		
	MISCELLANEOUS CARRIED BILL NO. 09 - SIXTH FLOOR TO SUMMARY				
				Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.9.8	<u>FURNITURE - Cont'd</u>				
	<u>Chairs - Cont'd</u>				
B.9.8.7	High density foam with full PU for the front and rear with height adjustable with soft PU Padded chromed arm - Type C6 (Prime cost sum Rs. 25,000/- per nr excluding VAT)	nr	22		
B.9.8.8	Round low profile puff with glides - Type H1 (Prime cost sum Rs. 10,500/- per nr excluding VAT)	nr	7		
B.9.8.9	2300mm long green colour linier low profile puff with glides - Type LH1	nr	1		
B.9.8.10	2800mm long Ash colour contempo chaise end fabric couch Type SF1	nr	1		
B.9.8.11	3300mm long Ash colour contempo chaise end fabric custom made couch - Type SF3	nr	1		
	<u>Tables</u>				
B.9.8.12	2100x1700 mm dark oak wood L shaped table with side drawer unit - Type T2 (Prime cost sum Rs. 60,000/- per nr excluding VAT)	nr	1		
B.9.8.13	1200x600mm oak white wood dinning table - Type T3	nr	1		
B.9.8.14	1200x600mm white melamine board / Powder coated GI steel base with retractable drawer unit (Furseys Intuity) - Type T4	nr	18		
B.9.8.15	5700x1900mm 16 seater conference table with dark oak finish - Type T7 (Prime cost sum Rs. 300,000/- per nr excluding VAT)	nr	1		
	To collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (LKR)
B.9.8	<u>FURNITURE - Cont'd</u>				
	<u>Custom made Furniture</u>				
	<u>Cupboards</u>				
B.9.8.16	3118x1900mm high oak white wood wall cupboard with center tall cupboard / side doors to be tinted glass - Type CU2	nr	1		
B.9.8.17	1600mm high oak white wood wall cupboard with middle drawers - Type CU3 (Front panel full height)	nr	1		
B.9.8.18	1300mm high oak white wood wall cupboard /doors with white melamine with middle drawers - Type CU4 (Front panel full height)	nr	6		
B.9.8.19	3831x1900mm high dark oak white wood wall cupboard with centre tall cupboard / side doors to be tinted glass - Type CU7 (Front panel full height)	nr	1		
B.9.8.20	3336x1900mm high oak white wood wall cupboard with open top shelves - Type CU8 (Front panel full height)	nr	1		
	<u>Furniture - Pantry</u>				
B.9.8.21	2100mm long 2700mm high oak white wood Pantry with top & bottom cupboards - Type P1	nr	1		
	To collection			Rs.	
	<u>COLLECTION</u>				
	FROM PAGE B/9 - 12			Rs.	
	FROM PAGE B/9 - 13			Rs.	
	FROM PAGE B/9 - 14			Rs.	
	FURNITURE CARRIED TO				
	BILL NO. 09 - SIXTH FLOOR SUMMARY			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.9.9	<u>ELECTRICAL INSTALLATION</u>				
	All works shall comply with latest 17th edition of IEE wiring regulations. Sample of items shall be submitted in advance for Engineer's approval.	note			
	All wiring shall be done in concealed conduits as and where is possible in other areas.	note			
	Contractor shall submit conduit layouts / plans for the approval of the Engineer before laying of conduits.	note			
	Minimum diameter of pvc electrical conduits shall be one inch and if exposed ¾ inch for GI conduits.	note			
	Locations of Lamp Fittings, Switches, Socket Outlets, and Bulk Power Points are indicated in the drawings.	note			
	All MCCBs, MCBs shall be of reputed brand, preferably Schneider, ABB or Telemechanic.	note			
	All Surface Mounted and Flush Mounted Panel Enclosures shall be of reputed brand preferably of KIK, Magline or Illukkumbura	note			
	Catalogs/ CAD drawings with model numbers of offered lamp fittings with supplier's name shall be attached with the tender.	note			
	Wiring shall be measured net as shown on the GFC / As built drawings without any additional leverage for loose cables. The unit rate shall include all necessary loose wiring required for the works in switch boards / junctions / bends / curves / circles and end terminations etc	note			
	No taped joints are permitted and reliable connectors (3M) can be used only where it is absolutely essential.	note			
	Proper earthing of Electrical appliances is essential to the main earth and this includes metal fittings, metal framed signboards etc..	note			
	The contractor should submit the originals of the warranty and guarantee documents in the handing over stage.	note			

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.9.9	<u>ELECTRICAL INSTALLATION (Cont'd)</u>				
	<u>Prices are deemed to include for the following</u>				
	Prices of Distribution boards deemed to include for finished enclosures, MCB's, Neutral links dummy plates if any and the required chipping, fixing of DB in walls etc.	note			
	Prices for Under Ground Cable deemed to include for excavation, protection of cable, refilling with excavated earth, consolidation / compaction etc.	note			
	Prices for conduits deemed to include for standard junction boxes and fittings and fixing conduits to or through all building surfaces.	note			
	Prices deemed to include for all cable supports and fixings; providing draw wires, draw cables and similar items for drawing or hoisting cables.	note			
	Co-ordination of works between contractor and subcontractors and/or Principal.	note			
	Providing all samples of materials and finishes as required by the Specification.	note			
	Complying with the relevant Acts, By-laws and regulations.	note			
	Carrying out tests as required.	note			
	Testing all installations as required and specified.	note			
	Submit notices, obtaining permits and completion certificates, paying fees and charges in connection with the relevant installations.	note			
	Obtaining and submitting all guarantees and warranties as specified.	note			
	Quality Assurance and control as specified.	note			
	Providing plans, diagrams, manuals and similar items as required for the relevant installations.	note			
	Coordinating penetrations in connection with the installations.	note			
	Provision of rigid framework in stud walls for the fixing of cable support channels, distribution boards, control panels and similar equipment.	note			
	All Electrical Installation conduct according to BS Standard BS 7671 : 8th edition.	note			

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.9.9	<u>ELECTRICAL INSTALLATION (Cont'd)</u>				
	<u>FINAL SUB CIRCUIT LAMP POINT WIRING</u>				
	The wiring shall be in full rigid PVC conduits with the conduit system providing a continuous and effective means of protection for the wiring. The conduit system shall be concealed in the building fabric and where provided under a roof, the conduit shall be clipped to the roof members.	note			
	Indoor Lamp Point Wiring				
B.9.9.1	Supply and wiring of 10Amp light point with switch outlet and connectors with other all necessary materials required to make complete installation. Wiring shall be in 1.0mm ² Cu/PVC/PVC cables + E as specified and shown in the electrical drawings.	nr	35		
	<u>Power Points</u>				
	Note : UPS Power sockets in red colour and Raw power sockets shall be in white colour. Indicator socket outlets shall be use for the all power points.				
	13A Single Socket Outlets (Raw Power)				
B.9.9.2	Supply and install 2.5mm ² CU/PVC/PVC cable and 2.5 mm ² earth Cu conductor with all accessories required to make complete installations and wire 230 volts, 13 Amp. Single power socket outlet in ring circuit as specified specifications & illustrated in the electrical drawings. (including 13A Indicator Socket outlet)	nr	79		
	15A Single Socket Outlets (Raw Power)				
B.9.9.3	Supply and install 2.5mm ² CU/PVC/PVC cable and 2.5 mm ² earth Cu conductor with all accessories required to make complete installations and wire 230 volts, 15 Amp. Single power socket outlet in ring circuit as specified specifications & illustrated in the electrical drawings. (including 15A Indicator Socket outlet)	nr	3		
	To Collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.9.9	<u>ELECTRICAL INSTALLATION (Cont'd)</u>				
	<u>FEEDER CABLES</u>				
	The cable shall be laid underground when laid outside the building in the method as specified and shall be laid in prepared trench / cable tray / duct when laid inside the building. The cable shall be laid to UPVC pipe at the entry of the building. The unit rate shall include following description.	note			
	The unit rate for each item shall include : Actual cable lengths has to be re-confirmed after shop drawing approvals	note			
	Unloading of Cable	note			
	Provide storage facilities at site store.	note			
	Shifting of cable from site store to place of installation.	note			
	Laying of cable in the prepared trench / cable tray / duct when laid inside the building or underground when laid outside the building.	note			
	Connection of cable.	note			
	Excavation in hard or soft murex / rocky area up to required depth, supply and laying of protection bricks, supply and backfilling with fine sand, leveling the ground to match with the existing condition.	note			
	Supply and fixing of cable clamps, brackets, supports, route markers etc. as required for cable tray, duct.	note			
	Earthling the glands and armouring with earthling clamp and jumper and also connecting to common earth bar.	note			
	Testing of cables.	note			
	Supply and installation of Feeder Cables	note			
	<u>Unarmoured Cables</u> Supply, install, terminate following CU/ PVC/ PVC, CU/ XLPE/PVC cables with all accessories in 32mm dia. PVC Conduits as required to make complete installation according to the specifications and electrical drawings.				
B.9.9.4	1 x 4C 10 mm ² CU/PVC/PVC Cable + 1C 10mm ² Earth Cable (from MDB to 6F/DB)	m	34		
	To Collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.9.9	<u>ELECTRICAL INSTALLATION (Cont'd)</u>				
	<u>Electrical Panel Boards</u>				
	Supply, installation, assembling, connection, testing and commissioning of Panels as per Specification, BS & relevant drawings.	note			
	All panels and DBs shall be manufacturers Government approved panel manufacturer.	note			
	The unit rate for each item shall include : Supply of panels.	note			
	Testing of panels as per specifications at manufacturer's works in presence of client's representative and/or consultant.	note			
	Delivery of the panels / DB's to site.	note			
	Shifting of the panels from site store to the suitable location.	note			
	Assembly and wiring of component supplied separately.	note			
	Installation of panels as per location arranged by site Engineer in charge including removing packing.	note			
	Earthling all components, frame etc. to a common internal earth bar.	note			
	Touching of body with enable painting for damaged parts. All the nuts bolts & joints exposed to the air shall be covered with suitable anti - oxidant material or as directed by the Engineer in charge.	note			
	Supply and fixing all accessories and supporting structure.	note			
	Checking of Internal connection & wiring, operation of switches, MCCB, MCB etc.	note			
	Supply of necessary tools, hardware, testing hardware, testing equipment during testing at site.	note			
	<u>DISTRIBUTION BOARDS (DBs) (3-Phase)</u>				
	Supply and install following surface mounted type 3-Phase, powder coated metal clad distribution box's, shall be consist with materials required to make complete according to the specified specifications and illustrated in the electrical drawings. (All MCCBs, RCCBs & MCBs should be Hager, Schneider, Terasaki or equivalent) (Please refer the DWG SWA-ICTA-MEP-D1062)				
B.9.9.5	6F/DB	item	1		
	To Collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.9.9	<u>ELECTRICAL INSTALLATION (Cont'd)</u>				
	<u>Supply and Installation of Light Fittings</u>				
	Light fittings should be of highest quality and shall be subjected to the approval of the Engineer prior to the installation.				
	All LED light fittings shall be complete with LED lamps, electronic Driver, adapter and all other accessories required.				
	Light fittings shall have 2 years warranty for all the components, Such as Lamp, Housing, ballast, emergency kit etc..				
	<u>Recess Down Light</u>				
B.9.9.6	Supply and installation of LED, 10W, IP20, 3000K, 1500Lm 100mm Recess LED Down Light Luminaire complete with all accessories. PC Sum for light fitting - Rs.2,300.00	nr	46		
	<u>LED Strip Light</u>				
B.9.9.7	Supply and installation of LED Strip Light 25mm wide, IP40, rate shall include for driver & complete with all accessories. (Strip Light Fitting Qty 1) PC Sum for light fitting - Rs.1,500.00	m	19		
	<u>Emergency Light</u>				
B.9.9.8	Supply and Intallation soffit mountable, Twin, rotatable LED lamps including maintenance free battery for 30 minute operation during mains power failure. PC Sum for Unit - Rs.12,000.00	nr	3		
	To Collection			Rs.	
	<u>COLLECTION</u>				
	FROM PAGE B / 9 - 17			Rs.	
	FROM PAGE B / 9 - 18			Rs.	
	FROM PAGE B / 9 - 19			Rs.	
	FROM PAGE B / 9 - 20			Rs.	
	ELECTRICAL INSTALLATION CARRIED TO BILL NO. 09 - SIXTH FLOOR SUMMARY			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.9.10	<p><u>ELV SYSTEM</u></p> <p>PREAMBLE NOTES The Bidder shall refer the followings prior to pricing the items in this trade</p> <ol style="list-style-type: none"> All relevant drawings Specifications Location of the site Access to the site Tender and Contract conditions Make and type of fittings <p>EXTENT OF WORK The extent of the work as provided for in this bill of quantities shall consist of all the items covered under the Specifications.</p> <p>Rates for all items shall be inclusive of the following.</p> <ol style="list-style-type: none"> Provisions of holes, chases...etc. All necessary scaffoldings. Contractor's overheads & profits Providing of samples, tests, specimens etc... for such items of work as required by the Consultant. <p>Rates for supply and installation of ELV System with all necessary internal wiring instrument wiring loops, and necessary hardware fixing where ever necessary and complete as shown in drawing and comply with the specifications, and as per relevant latest B.S. standards and I.E.E. regulations.</p> <p>Rate shall include for necessary chasing, trenching, conduits, cables fittings and clips, cutting holes and chases in brick work/ block work/ concrete work complete with all necessary accessories such as sockets, connections, cable glands, boxes, hardware clips, soldering and jointing materials etc., for proper installing and laying of cables.</p> <p>All under ground cables directly buried in ground to be properly laid in ground trenches and cover with approved material if necessary. Rate for under ground cables shall include for all necessary excavation, sand layers, trench cover, warning strips and back filling with approved quality earth and properly compacted.</p>	note			
		note			
		note			
		note			
		note			

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.9.10	<u>ELV SYSTEM (Cont'd)</u> <u>TELEPHONE SYSTEM</u> Telephone Point Wiring				
B.9.10.1	Supply, wiring, installation, terminating of two pair 0.50mm telephone cable from ELV rack to telephone Outlet in 20mm dia. rigid PVC conduit, including Back Boxes, Face Plates, Keystones and all other necessary accessories and consumables. (Including Telephone socket outlet)	nr	23		
	Sub Distribution Frames				
B.9.10.2	Supply and install krone type and lockable powder coated metal encloser type following Sub Distribution Frame 1 complete with all accessories, 30 pair	nr	1		
	Cables from MDF to SDF 8				
B.9.10.3	Supply, wiring, installation, terminating of 30 pair 0.5mm telephone cable from main distribution frame 1 to sub distribution frame 8 at 6th floor floor through the rigid PVC conduit complete with all required materials.	Item	1		
	To Collection			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.9.10	<u>ELV SYSTEM (Cont'd)</u>				
	<u>DATA SYSTEM</u>				
	Data Point Wiring				
B.9.10.4	Supply, wiring, installation, terminating of CAT 6 cable from Network rack to Data Outlet (RJ45) in 20mm dia. rigid PVC conduit, including Back Boxes, Face Plates, Keystones and all other necessary accessories and consumables. (Including Data socket with shutter)	nr	10		
	Patch Panel				
B.9.10.5	19" rack mountable, 16 port Cat 6 Patch Panel complete with fixing brackets, and accessories, for complete rack installation	nr	1		
	POE Network Switch				
B.9.10.6	19" rack mountable type, 16 port POE Cat 6 Network Switch complete with fixing brackets, and accessories, for complete rack installation.	nr	1		
	ELV Rack				
B.9.10.7	Supply and installation of 3U Wall mounted type 19" rack unit with, glassed lockable door,cable management unit, fan plate with 1 no. fans complete with fixing brackets and accessories for complete rack installation.	nr	1		
	HDMI Point Wiring				
B.9.10.8	Supply, wiring, installation, terminating of Type 3 HDMI cable from ceiling level mounted projector to floor level in 20mm dia. rigid PVC conduit / casing, including Back Boxes, Face Plates, Keystones and all other necessary accessories and consumables. (Including floor mount HDMI socket)	nr	2		
	To Collection			Rs.	
	<u>COLLECTION</u>				
	FROM PAGE B / 9 - 22			Rs.	
	FROM PAGE B / 9 - 23			Rs.	
	ELV SYSTEM CARRIED TO				
	BILL NO. 09 - SIXTH FLOOR SUMMARY			Rs.	

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT(LKR)
	<u>SUMMARY</u>				
B.9.1	DISMANTLING & DEMOLISHING WORK			Rs.	
B.9.2	CARPENTRY			Rs.	
B.9.3	METAL WORK			Rs.	
B.9.4	DOORS, WINDOWS & PARTITIONS			Rs.	
B.9.5	FINISHES			Rs.	
B.9.6	PAINTING & DECORATING			Rs.	
B.9.7	MISCELLANEOUS			Rs.	
B.9.8	FURNITURE			Rs.	
B.9.9	ELECTRICAL INSTALLATION			Rs.	
B.9.10	ELV SYSTEM			Rs.	
	BILL NO. 09 - SIXTH FLOOR TOTAL CARRIED TO GRAND SUMMARY			Rs.	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.10	<u>PROVISIONAL SUM</u>				
	The execution of work or the supply of goods materials or services under the Provisional Sums which may be used in whole or in part or not at all at the direction and discretion of the Engineer				
B.10.1	Allow a sum for preparation & levelling of existing floor where necessary	PS	1.00	500,000.00	500,000.00
B.10.2	Allow a sum for checking existing Plumbing, HVAC, Generator Generator and other equipment and rectify and commissioning if necessary	PS	1.00	400,000.00	400,000.00
B.10.3	Allow a sum for checking existing mechanical & electrical installation and rectify/modify if necessary	PS	1.00	300,000.00	300,000.00
B.10.4	Allow a sum for restoring/rearranging existing fire equipment where necessary	PS	1.00	150,000.00	150,000.00
B.10.5	Allow a sum for Decorative works	PS	1.00	100,000.00	100,000.00
B.10.6	Allow a sum for transporting and placing existing furniture	PS	1.00	1,000,000.00	1,000,000.00
B.10.7	Allow a sum for minor miscellaneous modifications where necessary	PS	1.00	100,000.00	100,000.00
B.10.8	Allow a sum for supplying and fixing logos and signages	PS	1.00	400,000.00	400,000.00
B.10.9	Allow a sum for power sockets for external signages	PS	1.00	25,000.00	25,000.00
B.10.10	Allow sum for ICT/Networking related work	PS	1.00	500,000.00	500,000.00
B.10.11	Allow sum for erecting partition in 7th & 8th floors for store area	PS	1.00	200,000.00	200,000.00
B.10.12	Allow sum for wall feature light in ground floor	PS	1.00	300,000.00	300,000.00
B.10.13	Allow sum for flower pots on Director area	PS	1.00	200,000.00	200,000.00
	BILL NO. 10 - PROVISIONAL SUMS CARRIED TO GRAND SUMMARY			Rs.	4,175,000.00

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>DAY WORK SCHEDULE</u>				
	Day Work Definition				
	The Day work is defined as being additional or extra work not envisaged at the time of Tendering, which is carried out pursuant to instructions given by the Engineer under the Contract, and further, in the opinion of the Engineer, cannot be adequately measured or valued in any other way. The definition applies solely to day work carried out under and incidental to the Contractor. It does not cover,				
	- Any work carried out as a separate contract.				
	- Day work ordered to be carried out after the date of commencement of the Period of Maintenance.				
	Labour				
	The Contractor shall state under item 1 below, the rate per hour irrespective of Public Holidays, Week-ends, Poya days, etc., required for work ordered to be executed as Day works at the site of the works.				
	Day work rates quoted below shall also cover all the expenses of the Contractor and particularly his overhead expenses, profits and supervision, repairing and maintaining the tools necessary to each class of workman.				
		hour =	h		
A.)	Mason	20	h		
B.)	Bar Bender	8	h		
C.)	Carpenter	15	h		
D.)	Painter	20	h		
E.)	Welder	30	h		
F.)	Electrician	10	h		
G.)	Plumber	8	h		
H.)	Aluminium Fabricator	20	h		
J.)	Glass Fabricator	20	h		
K)	Other Skilled Labour	10	h		
L)	Unskilled Labour	40	h		
	TOTAL FOR LABOUR CARRIED TO DAY WORKS SUMMARY			Rs.	

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>PLANT & EQUIPMENT</u>				
	The Contractor shall price below the rate per hour for use of plant in good working condition and include for the cost of fuel, lubricants, transport to and from site, wages and allowances of the operator, Contractor's overheads and profit and any other expenses and charges.	hour =	h		
A.)	Welding Machine	20	h		
B.)	Concrete Breaker	8	h		
C.)	Grinder	20	h		
D.)	Drill	20	h		
	TOTAL FOR PLANT CARRIED TO DAY WORKS SUMMARY			Rs.	

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**REFURBISHMENT WORKS OF PROPOSED ICTA OFFICE BUILDING AT
COLOMBO 03.**

IFB NO. ICTA/GOSL/WORKS/WCB/2021/01

GRAND SUMMARY

		AMOUNT	
		Rs.	Cts.
BILL NO. 01 - PRELIMINARIES			
BILL NO. 02 - GROUND FLOOR			
BILL NO. 03 - MEZZANINE FLOOR			
BILL NO. 04 - FIRST FLOOR			
BILL NO. 05 - SECOND FLOOR			
BILL NO. 06 - THIRD FLOOR			
BILL NO. 07 - FOURTH FLOOR			
BILL NO. 08 - FIFTH FLOOR			
BILL NO. 09 - SIXTH FLOOR			
BILL NO. 11 - DAY WORK SCHEDULE			
Sub Total 1			
Less: - Discount if any (.....%)			
Add: - BILL NO. 10 - PROVISIONAL SUM			
TOTAL BID AMOUNT EXCLUDING VAT			
Add: - VAT 8%			
TOTAL BID AMOUNT INCLUDING VAT			
Bidder's VAT Registration No.			
Total Bid Amount (excluding VAT) in words; Sri Lanka Rupees.....			
.....			
.....			
Signature and seal of the Bidder :		Date.....	
Witness :			
Signature		Signature	
Name		Name	
Address		Address	
.....		
.....		

SECTION 9

SCHEDULES

Schedule 1 – General Information			
<i>(i) For joint ventures, each joint venture partner shall furnish information separately.</i>			
ITB Clause reference	Description	Information (to be filled by the Bidder)	Remarks
4.1 (a)	Legal Status		<i>Provide certified copies of Registration</i>
	Written power of attorney of the signatory to the Bid	<i>Provide original or certified copy of the power of attorney attested by a Notary and label as attachment to Clause 4.1(a)</i>	
	If a Joint Venture, names and addresses of Joint Venture Partners	1. 2. 3.	<i>Provide a draft copy of the Joint Venture Agreement or alternatively the memorandum of understanding</i>
	If a Joint Venture, name of Lead Partner		
	<i>For joint ventures, each joint venture partner shall furnish Legal Status separately</i>		
	Name (Lead partner)		<i>Provide certified copies and label as attachment to Clause 4.1(a)</i>
	Legal status		
	Place of registration		
	Principle place of business		
	Written power of attorney of the signatory to the Bid	<i>Provide original or certified copy of the power of attorney attested by a Notary and label as attachment to Clause 5.1</i>	
	VAT Registration Number		
	Name (Partner 2)		<i>Provide certified copies and label as attachment to Clause 4.1 (a)</i>
	Legal status		
	Place of registration		
	Principle place of business		

	Written power of attorney of the signatory to the Bid	<i>Provide original or certified copy of the power of attorney attested by a Notary and label as attachment to Clause 4.1 (a)</i>	
	VAT Registration Number		
	Name (Partner 3)		<i>Provide certified copies and label as attachment to Clause 4.1 (a)</i>
	Legal status		
	Place of registration		
	Principle place of business		
	Written power of attorney of the signatory to the Bid	<i>Provide original or certified copy of the power of attorney attested by a Notary and label as attachment to Clause 4.1 (a)</i>	
	VAT Registration Number		
4.2 (a)	CIDA Registration		<i>Provide certified copies and label as attachment to Clause 4.2(a)</i>
	Registration number		
	Grade		
	Specialty		
	Expiry Date		

**Schedule 2 – Annual Turn-over Information
(Construction only – Last five years)**

(i) For joint ventures, each joint venture partner shall furnish information separately.

Year	Turn-over	Remarks
1		<i>Attach audited reports and label as attachment to Clause 4.2</i>
2		
3		
4		
5		

Schedule 3 – Adequacy of Working Capital

Source of credit line	Amount	Remarks
		<i>Provide documentary evidence and label as attachment to Clause 4.2</i>
Total		

Schedule 4 – Construction Experience in last five years

(i) For joint ventures, each joint venture partner shall furnish information separately.

Year	Employer	Description of Works	Amount	Contractor's Responsibility (%)
		Total		

- *Provide documentary evidence and label as attachment to Clause 4.2*

Schedule 5 – Major Items of Construction Equipment Proposed	
Type	Capacity

Schedule 6 – Construction Management Staff		
A. Key Professionals		
Name	Position	Task
B. Support Staff		
Name	Position	Task

Schedule 7 – Time Schedule for Key Staff																		
			Months (in the form of a Bar Chart)															
Name	Position	Activities	1	2	3	4	5	6	7	8	9	10	11	12	26	Number of Months

Full-time: _____

Part-time:

Schedule 8 – Work Programme															
Sheet 1 of															
Construction Activity	[1st, 2nd, etc. are months from the Start Date.]														
	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	26th

SECTION 10

DRAWINGS

(REFER SEPARATE ATTACHMENT)

SECTION 11

STANDARD FORMS (BID)

Bid Security

FORM OF BID SECURITY

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

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

Beneficiary: Information and Communication Technology Agency of Sri Lanka
(ICTA), 160/24, Kirimandala Mawatha, Colombo 5.

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

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

We have been informed that ----- [insert (by issuing agency) name of the Bidder] (hereinafter called "the Bidder") has submitted to you its bid dated ----- [insert (by issuing agency) date] (hereinafter called "the Bid") for the execution of Refurbishment and Interior works, Supply of Furniture & Fixtures, M&E works etc of the proposed office building of the ICTA at No. 490, R.A. De Mel Mawatha, Colombo 03.

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

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

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

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

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

Signature (s) of authorized representative (s)

CHECK LIST FOR BIDDERS

Refurbishment works, Interior Decorations, Building Services and Supply of Furniture & Fixtures of the Proposed Office Building of the ICTA

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 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 ?	13		
ITB Clause 19 followed before Sealing the Bid Package ?	21		