



LIFE INSURANCE CORPORATION OF INDIA
EASTERN ZONAL OFFICE, ENGG. DEPTT. (4TH FLOOR)
“HINDUSTHAN BUILDING”, 4, C.R. AVENUE, KOLKATA – 700072
PHONE: 033-22129077/22127443,
E-mail: ez_engineering@licindia.com
AN ISO 9001:2015 CERTIFIED DEPARTMENT

System Tender No. : LIC/EZ/ENGG/2022-23/ 33 dated 05/12/2022

PART-II OF BID – III

NAME OF WORK: E-TENDER FOR PROPOSED WORKS OF INTERIORS, CIVIL, MODULAR FURNITURE & CHAIRS, ELECTRICAL INSTALLATIONS, DATA & TEL. CABLING, FIRE ALARM AND AIR CONDITIONING SYSTEM OF CITY BRANCH OFFICE - 22, AT NEW INDIA ASSURANCE BUILDING, KOLKATA-01.

BID-III (CONSIST OF PART- I, PART-II & PART-III) - CONDITIONS OF CONTRACT AND TECHNICAL SPECIFICATIONS (THIS DOCUMENT IS TO BE STAMPED & SIGNED OF EACH PAGES BY LOWEST TENDERER ONLY AS & WHEN ASK FOR).

The Earnest Money Deposit and Tender Document Fees is to be physically submit if the Tenderers are avail the option of Demand Draft/Pay Order/Banker’s Cheque/Bank Guarantee/NEFT UTR. No. at the following address by 14.30hrs of 26.12.2022:

**Life Insurance Corporation of India.
Eastern Zonal office.
Engineering Department.
“HINDUSTHAN BUILDING”
4, C.R. Avenue (4TH floor)
Kolkata - 700072**



LIFE INSURANCE CORPORATION OF INDIA
 EASTERN ZONAL OFFICE, ENGG. DEPTT. (4TH FLOOR)
 "HINDUSTHAN BUILDING", 4, C.R. AVENUE, KOLKATA – 700072
 PHONE: 033-22129077/22127443,
 E-mail: ez_engineering@licindia.com
 AN ISO 9001:2015 CERTIFIED DEPARTMENT

CONTENTS

SR. NO	DESCRIPTION	PAGE	
		FROM	TO
1	Letter to Contractor from Chief Engineer	3	4
2	Letter from Contractor to Chief Engineer	5	6
3	Appendix to the conditions of contract	7	8
4	Appendix to General Instructions to contractors	9	
5	Forfeiture of Earnest Money Deposit	10	
6	Special Conditions including Testing of materials	11	15
7	General Preambles to Schedule of Quantities	16	17
8	Measurements of Work (Annexure- M)	18	21
9	List of principal makes/ agencies/ brands of various materials (Civil)	22	35
10	Modernization layout drawing	36	40
10	Bank Account and other details	41	



LIFE INSURANCE CORPORATION OF INDIA
 EASTERN ZONAL OFFICE, ENGG. DEPTT. (4TH FLOOR)
 "HINDUSTHAN BUILDING", 4, C.R. AVENUE, KOLKATA – 700072
 PHONE: 033-22129077/22127443,
 E-mail: ez_engineering@licindia.com
 AN ISO 9001:2015 CERTIFIED DEPARTMENT

LETTER TO CONTRACTOR FROM CHIEF ENGINEER

To,

Dear Sir / Sirs,

Re: E-TENDER FOR PROPOSED WORKS OF INTERIORS, CIVIL, MODULAR FURNITURE & CHAIRS, ELECTRICAL INSTALLATIONS, DATA & TEL. CABLING, FIRE ALARM AND AIR CONDITIONING SYSTEM OF CITY BRANCH OFFICE - 22, AT NEW INDIA ASSURANCE BUILDING, KOLKATA-01

1) We hereby publish the TENDER on e-Tendering Portal (Website) through <http://www.tenderwizard.com/LIC> in **Electronic Mode** hereinafter referred as "eTendering" and consisting of following :

- (a) **BID I : Earnest Money Deposit and Tender Fees.**
- (b) **BID II : Pre-Qualification of Bidders**
- (c) **BID III : This bid shall be three Parts i.e. PART-I, PART-II & PART-III (Financial Bid)**

Please note that copy of above e-Tender can be downloaded from above portal (website) and should be mandatorily submitted in **Online Electronic Mode** hereinafter referred as "Online Offer". The submission of Online offer duly Encrypted & Digitally Signed on above portal should be in prescribed Electronic Forms (Online) available on above portal for respective tender in Online Envelope(s) on or before **As per the Key Dates mentioned in the tender document and online portal for above tender.**

- 1) The bidders should submit required Tender document Fee and Earnest Money Deposit in a manner/mode as mentioned in e-Tender process. Tender document fee of **Rs 2,000/- +@ 18% GST i.e. Rs.360.00 = Rs. 2,360.00** (Rupees two thousand three hundred sixty only) and **Earnest Money Deposit of Rs. 41,300/-** shall be submitted separately.
 - a) Tender document fee of **Rs 2,000/- +@ 18% GST i.e. Rs.360.00 = Rs. 2,360.00** (Rupees two thousand three hundred sixty only) in the form of Crossed Demand Draft/ Pay order/ Bankers Cheque of any Nationalized/ Scheduled Bank drawn in favour of "Life Insurance Corporation of India" payable at "Kolkata"
 - b) Earnest Money Deposit shall be submitted in the following form:-
 - i) The total amount of **Rs. 41,300/-** in the form of Crossed Demand Draft/ Pay order/ Bankers Cheque of any Nationalized/ Scheduled Bank drawn in favour of "Life Insurance Corporation of India" payable at "Kolkata"
 - (or)
 - ii) 50% of the total amount i.e. **Rs. 20,650/-** in the form of Crossed Demand Draft/ Pay order/ Bankers Cheque of any Nationalized/ Scheduled Bank drawn in favour of "Life Insurance Corporation of India" payable at "Kolkata" and 50% amount i.e. **Rs. 20,650/-** in the form of Bank Guarantee (as per enclosed proforma) of any Nationalized/Scheduled Bank. The Bank guarantee shall be from any Nationalized /Scheduled Bank preferably at Kolkata or where a Branch/Division of LIC of India exists

(or)



LIFE INSURANCE CORPORATION OF INDIA
 EASTERN ZONAL OFFICE, ENGG. DEPTT. (4TH FLOOR)
 "HINDUSTHAN BUILDING", 4, C.R. AVENUE, KOLKATA – 700072
 PHONE: 033-22129077/22127443,
 E-mail: ez_engineering@licindia.com
 AN ISO 9001:2015 CERTIFIED DEPARTMENT

- iii) The total amount of **Rs. 41,300/-** in the form of Bank Guarantee (**as per enclosed proforma**) of any Nationalized/Scheduled Bank. The Bank guarantee shall be from any Nationalized /Scheduled Bank preferably at Kolkata or where a Branch/Division of LIC of India exists.

(or)

- iv) Tender document Fee of Rs 2,000/- +@ 18% GST i.e. Rs.360.00 = **Rs. 2,360.00** (Rupees two thousand three hundred sixty only) (non-refundable) and Earnest Money Deposit of **Rs. 41,300/-** payment through NEFT/RTGS mode directly to LIC Account.

Name of Bank : : IDBI Bank Limited.
Branch : Esplanade
Account No. : 1270102000014580
IFSC No. : IBKL0001270
Account Type : Current

**** If the bidders are willing to avail the option to pay the Earnest Money Deposit & Tender Fees through NEFT/RTGS, then it is mandatory to send the scanned copy of NEFT/RTGS/UTR no to our office through email (Email Id: ez_engineering@licindia.com) before last date of submission of tender (follow the key dates of tendering programme) before opening if BID-I & II otherwise the same bidders to be disqualified.**

- 2) BIDs will be received at the office of Chief Engineer at above address **on or before As per the Key Dates** and the e-Tenders will be opened at **As per the Key Dates** in the presence of contractors or accredited representatives, who wish to attend the online Tender Opening process. The bidders can view the Tender Opening details through their respective Login IDs on the above mentioned e-Tender portal (Website). The Tenderer should ensure that their tender is received **Online Electronically** on or before the due date and time as specified in "**Key Dates**" in the Tender Document and above mentioned Portal (website). **Please note that above e-Tendering System is an automatically time locked system which will be locked immediately as soon as due date and time is over and will not accept any offer after that. So, the tenderers are strictly advised to do their process well before the due date and time to avoid any such instances.**
- 3) The Guidelines to Submit tenders on Electronic Tendering System (ETS) is part of **BID -I** of the Tender document. The tenderers are advised to carefully read the above document for understanding of e-Tendering System. The above Annexure will supersedes all the terms & conditions mentioned for submission of tender in document.
- 4) The Life Insurance Corporation of India does not bind itself to accept the lowest or any tender.

Yours faithfully,

CHIEF ENGINEER



LIFE INSURANCE CORPORATION OF INDIA
EASTERN ZONAL OFFICE, ENGG. DEPTT. (4TH FLOOR)
“HINDUSTHAN BUILDING”, 4, C.R. AVENUE, KOLKATA – 700072
PHONE: 033-22129077/22127443,
E-mail: ez_engineering@licindia.com
AN ISO 9001:2015 CERTIFIED DEPARTMENT

LETTER FROM CONTRACTOR TO CHIEF ENGINEER

TO BE SUBMITTED ONLINE ON OR BEFORE ON As per the Key Dates

Date:

From:

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

To
The Chief Engineer,
Life Insurance Corporation of India
Eastern Zonal Office
Hindusthan Building,
4, C.R. Avenue,
Kolkata - 700072

Re E-TENDER FOR PROPOSED WORKS OF INTERIORS, CIVIL, MODULAR FURNITURE & CHAIRS, ELECTRICAL INSTALLATIONS, DATA & TEL. CABLING, FIRE ALARM AND AIR CONDITIONING SYSTEM OF CITY BRANCH OFFICE - 22, AT NEW INDIA ASSURANCE BUILDING, KOLKATA-01

Dear Sir,

1) Having examined the Technical Specifications & Conditions of Contract, Schedule of Quantities, etc. included in the tender document for the Percentage Rate Contract relating to the above work, having visited/examined the site of the existing premises, having acquired the requisite information relating thereto as effecting the tender invited by you on behalf of the Life Insurance Corporation of India, I/We, the undersigned hereby offer to carry out the above mentioned work on Percentage Rate basis in strict accordance with the Contract Conditions and Specifications.

I/We, undertake to complete and deliver the whole of the works within a period as specified in Appendix to the Conditions of Contract from the date of issue of intimation from you that the tender has been accepted and upon receiving possession of the site. I/We shall be under the obligation to complete the entire work within the period of completion failing which to pay the sum as stated in the Appendix to the Conditions of Contract for every week that the works shall remain incomplete, damages as compensation subject to the conditions of contract relating to extension of time.

2) I/We enclose herewith my/our tender with an Earnest money remittance of **Rs. 41,300/-** in the appropriate format as specified in BID-I. I/We, hereby agree that part of this sum shall be forfeited by the Life Insurance Corporation of India in the event of my/our tender being accepted and I/We fail to execute Contract when called upon to do so.



LIFE INSURANCE CORPORATION OF INDIA
EASTERN ZONAL OFFICE, ENGG. DEPTT. (4TH FLOOR)
"HINDUSTHAN BUILDING", 4, C.R. AVENUE, KOLKATA – 700072
PHONE: 033-22129077/22127443,
E-mail: ez_engineering@licindia.com
AN ISO 9001:2015 CERTIFIED DEPARTMENT

3) In the event of the tender being accepted, I/We, agree to the retention of my/our EMD as a part of Security Deposit and the balance amount of Security Deposit to be recovered at 7.5% of Gross Value of work done from my / our Running Account Bills.

OR

I/We, agree to furnish a lump sum Bank Guarantee for total Security Deposit @ **5% of accepted tender amount** or two Bank Guarantees each with 50% value from any Nationalized/Scheduled Bank at as per specimen given in **Annexure "B"** to Conditions of Contract, within 21 (twenty-one) days of acceptance of tender. The Bank guarantee shall be from any Nationalised /Scheduled Bank preferably at or where a Branch/Division of LIC of India exists.

4) I/We, note that the Earnest Money Deposit of **Rs. 41,300/-** would be refunded to me/us.

- a) On expiry of the validity of the tender or earlier at the discretion of Chief Engineer in case my/our tender is not accepted and
- b) In case my/our tender is accepted, after I/We, furnish as mentioned above.

5) I/We, agree,

a) in case my/our tender is withdrawn before expiry of the validity period or before the issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the tender which are not acceptable to the Department, in such case 25% of the EMD will be forfeited by the department.

b) in case my/our tender is accepted and the Security Deposit option is not submitted within the prescribed period or approved extended period, 50% of the EMD will be forfeited automatically without any notice.

c) in case of forfeiture of Earnest money as prescribed above [5(a) and 5(b)], the tender shall not be allowed to participate in the retendering process of the work.

Yours faithfully,

(SIGNATURE OF THE CONTRACTOR)

Name and Seal

NAME OF THE PARTNER OF THE FIRM

OR

NAME OF THE PERSON HAVING POWER OF

ATTORNEY TO SIGN THE CONTRACT

(CERTIFIED TRUE COPY OF THE POWER OF ATTORNEY SHOULD BE ATTACHED)



LIFE INSURANCE CORPORATION OF INDIA
 EASTERN ZONAL OFFICE, ENGG. DEPTT. (4TH FLOOR)
 "HINDUSTHAN BUILDING", 4, C.R. AVENUE, KOLKATA – 700072
 PHONE: 033-22129077/22127443,
 E-mail: ez_engineering@licindia.com
 AN ISO 9001:2015 CERTIFIED DEPARTMENT

APPENDIX TO CONDITIONS OF CONTRACT

SUB: E-TENDER FOR PROPOSED WORKS OF INTERIORS, CIVIL, MODULAR FURNITURE & CHAIRS, ELECTRICAL INSTALLATIONS, DATA & TEL. CABLING, FIRE ALARM AND AIR CONDITIONING SYSTEM OF CITY BRANCH OFFICE - 22, AT NEW INDIA ASSURANCE BUILDING, KOLKATA-01

ESTIMATED COST : Rs 82,59,270.00
PERIOD FOR COMPLETION : 4 (Four) Months
EARNEST MONEY DEPOSIT : Rs. 41,300.00 (To be submitted in Stipulated form)

Sl. No.	Description	Remarks
1	Validity of Tender	The tender should remain valid up-to three months from the last date of submission of tender for acceptance.
2	Date of commencement	Either 10 (Ten) days from the date of acceptance letter issued to the contractor OR The day on which contractor is instructed to take possession of the site, whichever is earlier
3	Date of completion	4 (Four) Months from the date of commencement
4	Liquidated damages for delay	Compensation in the form of Penalty for delay of work @ 0.5% of contract sum per week of delay subject to maximum 10% contract sum.
5	Period of final measurement	60 (Sixty) days from the date of completion of contract
6	Interim certificate	Rs. 20.00 Lac per month or as per decision of competent authority.
7	Period of honouring interim certificate	20 (Twenty) days
8	Period of honouring final certificate	90 days from the date of submission of final bill with details.
9	Security Deposit	@ 5% of accepted tender amount.
10	Recovery of Security Deposit	In case of Cash option, the Security Deposit shall be recovered from R.A. Bills at 7.5% of Gross amount of bill till the sum along with sum already deposited as EMD equals the total security deposit. In Bank Guarantee Option- Please see clause no. 35.1
11	Defect Liability Period	24 months from the date of virtual completion of the work
12	Contractor's All Risk Policy inclusive of Third Party Liability	CAR policy should be contract value inclusive of 7.5 % of Contract value of third party liabilities. Please note that the date submitting the renewed insurance policy, if any will be 15 working days prior to the last date of expiry of the existing policy, failing which LIC may insure/renew insurance and apply penal cost on the contractor i.e. Premium Charges plus Rs.10,000.00 as Administration Charges and Rs. 25,000.00 as penalty (Penalty shall be for renew of both WMC & CAR Policies).



LIFE INSURANCE CORPORATION OF INDIA
 EASTERN ZONAL OFFICE, ENGG. DEPTT. (4TH FLOOR)
 "HINDUSTHAN BUILDING", 4, C.R. AVENUE, KOLKATA – 700072
 PHONE: 033-22129077/22127443,
 E-mail: ez_engineering@licindia.com
 AN ISO 9001:2015 CERTIFIED DEPARTMENT

Sl. No.	Description	Remarks
13	Workmen's Compensation Policy	As per requirement of prevalent Laws & Mutual Agreement.
14	Interest on Lump sum Advance (Not applicable)	10% simple interest p.a.
15	No Claim Certificate	To be given on Contractors letter head

NO CLAIM CERTIFICATE CUM RECEIPT
 (To be given on Contractor's letterhead)

"Received Rupees _____ (Rupees _____) being the amount against my/our final bill dated _____ for _____ (Name of Work) in full and final settlement of bill.

Contractor
 (Signature of Contractor on Revenue stamp)

Rubber stamp/seal of the contractor /company

NOTE:

- The GST on works contract shall be paid by the Corporation over and above the value of work done, at the applicable rates during the contract period.
- Labour cess:** Rates are inclusive of Labour cess and labour cess will be deducted from contractor's bill.
- penalty on account of non renewal of Insurance, liquidated Damages if imposed will attract GST at applicable rates during contract period.
- TDS on GST would be deducted as per prevailing rules.

APPENDIX TO GENERAL INSTRUCTION TO CONTRACTOR

Sl.NO	Clause Nos.	Description	Remarks
1.	12	Recovery of Electricity charges from Contractors bill if used from LIC source	0.25% of the Gross value of work done.
2.	13	Recovery of Water charges from Contractors bill if used from LIC source	0.25% of the Gross value of work done.



LIFE INSURANCE CORPORATION OF INDIA
EASTERN ZONAL OFFICE, ENGG. DEPTT. (4TH FLOOR)
"HINDUSTHAN BUILDING", 4, C.R. AVENUE, KOLKATA – 700072
PHONE: 033-22129077/22127443,
E-mail: ez_engineering@licindia.com
AN ISO 9001:2015 CERTIFIED DEPARTMENT

APPENDIX TO GENERAL INSTRUCTIONS TO CONTRACTORS

Name and Location of the proposed work:

NAME OF WORK: E-TENDER FOR PROPOSED WORKS OF INTERIORS, CIVIL, MODULAR FURNITURE & CHAIRS, ELECTRICAL INSTALLATIONS, DATA & TEL. CABLING, FIRE ALARM AND AIR CONDITIONING SYSTEM OF CITY BRANCH OFFICE - 22, AT NEW INDIA ASSURANCE BUILDING, KOLKATA-01

ADDRESS: CITY BRANCH OFFICE - 22, AT NEW INDIA ASSURANCE BUILDING, KOLKATA-01

Please note that the said building is situated hut of the Central Kolkata and having very crowd surrounding of the building. The said building is under purview of Kolkata Municipal Corporation and may take necessary permission required for carrying out the Internal/External work during day/night time.

(SIGNATURE OF THE CONTRACTOR)



LIFE INSURANCE CORPORATION OF INDIA
EASTERN ZONAL OFFICE, ENGG. DEPTT. (4TH FLOOR)
"HINDUSTHAN BUILDING", 4, C.R. AVENUE, KOLKATA – 700072
PHONE: 033-22129077/22127443,
E-mail: ez_engineering@licindia.com
AN ISO 9001:2015 CERTIFIED DEPARTMENT

FORFEITURE OF EARNEST MONEY DEPOSIT.

Forfeiture of EMD

A bidder's bid security will be forfeited if the bidder:

- i) withdraws or amends its/ his tender;
- ii) impairs or derogates from the tender in any respect within the period of validity of the tender;
- iii) If the successful bidder fails to sign the contract or furnish the required performance security within the specified period.

Punitive Provisions

Without prejudice to and in addition to the rights of the procuring entity to other penal provisions as per the bid documents or contract, if the procuring entity comes to a conclusion that a (prospective) bidder/ contractor directly or through an agent, has violated this code of integrity in competing for the contract or in executing a contract, the procuring entity may take appropriate measures including one or more of the following:

i) If his bids are under consideration in any procurement:

- a) Forfeiture or encashment of bid security;
- b) Calling off of any pre-contract negotiations; and
- c) Rejection and exclusion of the bidder from the procurement process.

ii) If a contract has already been awarded:

- a) Cancellation of the relevant contract and recovery of compensation for loss incurred by the procuring entity;
- b) Forfeiture or encashment of any other security or bond relating to the procurement;
- c) Recovery of payments including advance payments, if any, made by the procuring entity along with interest thereon at the prevailing rate.

iii) Provisions in addition to above:

- a) Removal from the list of enlisted contractors and banning/debarment of the bidder from participation in future procurements of the procuring entity for a period not less than one year;
- b) In case of anti-competitive practices, information for further processing may be filed under a signature of the Joint Secretary level officer, with the Competition Commission of India;
- c) Initiation of suitable disciplinary or criminal proceedings against any individual or staff found responsible.



LIFE INSURANCE CORPORATION OF INDIA
 EASTERN ZONAL OFFICE, ENGG. DEPTT. (4TH FLOOR)
 "HINDUSTHAN BUILDING", 4, C.R. AVENUE, KOLKATA – 700072
 PHONE: 033-22129077/22127443,
 E-mail: ez_engineering@licindia.com
 AN ISO 9001:2015 CERTIFIED DEPARTMENT

SPECIAL CONDITIONS:

1. PHOTOGRAPHS OF THE BUILDING
 - 1.1 The contractor shall submit 3 sets of the prints of the photographs size 4"x6" to LIC of India at various stages:
 - a. Before commencement of the work.
 - b. During progress of work.
 - c. Completion before handing over the building

The photographs can also be submitted in CD/DVD in lieu of printed photographs.

One or more photographs shall be taken to have complete clear views of the project as directed by Corporation's Engineer.

- 1.2 The quoted **Percentage Rate** shall include for the same and no extra is payable to contractor on this account.
- 2 Contractors shall note that the site is working office building. Hence, contractor shall take into account this aspect and quote their rates accordingly.
- 3 Contractors are advised to inspect the site before quoting their **PERCENTAGE RATE**. The contractors shall also note that they have to co-operate with other agencies carrying out the work(s) to others in the same site.
- 4 The contractors shall obtain "**Work commencement Certificate**" from Municipal authorities/local authorities if required and directed, after approval of layout marked on the ground, inspected by Officials of Municipal authority.

The quoted **PERCENTAGE RATE** shall include for the same and no extra is payable to contractor on this account.

- 5 The contractors shall obtain "**Completion Certificate**" from **Municipal** authorities/local authorities, if required, and directed, after completion of the work. The relevant drawings shall be given by the employer for the above purpose.

The quoted **PERCENTAGE RATE** shall include for the same and no extra is payable to contractor on this account.

- 6 All statutory fees to be paid to municipal, water and sewerage authorities, water supply connection, sewerage connection and road cutting etc., will be paid/reimbursed by LIC against production of receipts towards payments of such fees. No overhead charges shall be paid in this regard.
- 7 The contractors shall not stack building materials on footpath and road margin.
- 8 The contractor shall thoroughly clean all the dust and dirt's, debris etc. and remove all the scaffoldings and other materials used for the works away from the site as and when needed. Disposal of the debris and Surplus Excavated earth should be done in such a way that the site is kept free from such unwanted materials.



LIFE INSURANCE CORPORATION OF INDIA
 EASTERN ZONAL OFFICE, ENGG. DEPTT. (4TH FLOOR)
 "HINDUSTHAN BUILDING", 4, C.R. AVENUE, KOLKATA – 700072
 PHONE: 033-22129077/22127443,
 E-mail: ez_engineering@licindia.com
 AN ISO 9001:2015 CERTIFIED DEPARTMENT

- 9 The site is located in commercial area and therefore Contractor shall take all precautions to cause least inconvenience to the neighbors /surroundings during the work.
10. There may be some traffic restrictions with regard to heavy vehicles since the site is located in commercial area. Contractor shall take note of the same and obtain necessary permission from appropriate authorities for transportation of materials required for the construction. In case work is required to be done during the night time, permission from the Employer as well as local/police authorities shall be taken.
- 11 Noise pollution should be kept at minimum tolerance level.
- 12 Contractors to note that if hutments for labour provided at site all the necessary facilities to be done as per statutory labour laws.

13. OTHER SPECIAL CONDITIONS:

- i) Labourers may allow at site only after showing photo I Card issued by the agencies and duplicate of which is to be submitted to our office.
 - ii) Gate pass for daily labour may be issued by office of the LIC Officials.
 - iii) Every effort should be made to restrict the movement beyond working area.
 - iv) Materials can be taken away only after getting gate pass from LIC.
 - v) **Well co-ordination should be maintained with all agencies and designated coordinator from LIC side to avoid any kind of disturbances in office working.**
 - vi) Every day, before the office starts the common area / working area should be cleaned in all respect if this area is used anyway for the work.
 - vii) LIC is no way responsible for issuing way bill or C – form to any agencies.
 - viii) During the execution of the work, the cleaning of pavements to be done on day to day basis.
 - ix) The contractor has to depute sufficient number of supervisory staff for making all arrangements and to ensure no disturbance to occupants.
 - x) It is responsibility of the contractor to adhere to all security measures for the workers.
 - xi) The Contractors has to ensure protection to building and other assets etc. in the campus. In case of any damages caused due to work or due to ignorance of ant worker, contractor has to make good the damages and / or compensate the LIC for the damages done.
 - xii) Contractor is advised to inspect the site before submitting the tender and examine all parts of the work.
 - xiii) Work should be done in such a manner that there should not be disturbance inside the office area.
14. The quantities shown in the schedule i.e. Interior, Civil, Air-conditioning, Modular Furniture, Chairs, Electrical Installation, DATA & Telephone cabling and Fire Alarm work are provisional and are likely to increase or decrease in any extend. Some of the items may be omitted altogether. No claim whatsoever shall be entertained on this account.



LIFE INSURANCE CORPORATION OF INDIA
EASTERN ZONAL OFFICE, ENGG. DEPTT. (4TH FLOOR)
"HINDUSTHAN BUILDING", 4, C.R. AVENUE, KOLKATA – 700072
PHONE: 033-22129077/22127443,
E-mail: ez_engineering@licindia.com
AN ISO 9001:2015 CERTIFIED DEPARTMENT

15. All works in course of execution or after execution in pursuance of the Contract, shall at all times be open to the inspection and supervision of the Executive Director (Engineering) or his authorized representatives and the Contractor or his responsible agent, duly accredited in writing, shall at all such times, be present to receive instructions/orders. The work during the progress or any time before settlement of the final bill is also liable to be inspected by Chief Technical Examiner of the Central Vigilance Commission, New Delhi, on behalf of the Employer and this shall be also considered as an inspection by the Employer for all purpose.

16. **Contractor to note that all salvage material is to be removed after proper documentation which is jointly signed by office of the LIC.**

17. **Shifting of old furniture's/almirah/cabinet are to be shifted by the contractor at their own cost for creation of vacant working space inside the office working space. Quoted rates shall be inclusive of shifting of the same.**

18. **Contractors to note that the quoted rates shall be firm throughout the currency of the Contract. The escalation towards materials, labour etc. is not allowed and will not be paid.**

19. **Price variation of materials shall not be allowed where the basic price of materials is mentioned in the respective items. However, if the purchase price of materials is less than the basic price of materials, the recoveries shall be made from the contractor bills.**



LIFE INSURANCE CORPORATION OF INDIA
 EASTERN ZONAL OFFICE, ENGG. DEPTT. (4TH FLOOR)
 "HINDUSTHAN BUILDING", 4, C.R. AVENUE, KOLKATA – 700072
 PHONE: 033-22129077/22127443,
 E-mail: ez_engineering@licindia.com
 AN ISO 9001:2015 CERTIFIED DEPARTMENT

1. TESTING OF MATERIALS

During the progress of work, tests as prescribed below for various materials of construction shall be conducted as per the frequency noted in the table below. **Contractor's attention is also drawn to Clause 9 of Conditions of Contract as well as Clause 9 of General Preambles to Schedule of Quantities.**

TESTING OF MATERIALS:

Following charts to be followed for the frequency of tests:

TABLE-A

Sr.No.	Materials	Test	Frequency
1	Timber	a) Moisture content b) Specific gravity c) Species in sample of teak wood.	One test for every 30cum or part thereof.
2	Flush Door	a) End Immersion b) Knife c) Adhesion	Destructive test based on no. of shutter. 1-100 one test, 101-200 two test 201-500 three test, 500 & above four test
3	CHAIRS	Polyurethane Foam: Back & Seat a) Thickness, mm b) Density, Kg/m ³ c) Hardness, on Hamden Machine at 25% Compression Polyurethane Arm Rest a) Hardness (Shore A) M.S. Black Powder Coating of Tube a) Stroke Length, mm b) Pressure force applied 300N c) Thickness of powder coating, micron. Flame Retardant Leatherette Tapestry a) Colour fastness to rubbing b) Tear Strength, of Hydraulic Cylinder Pressure Testing	One test of each type of chair where tender qty. is more than 50 chairs.
4	Fire Retardant Plywood	a) Identification (Physical verification) b) Dimensional Tolerance c) Moisture content	One test from each Brand / makes.
5	Modular Furniture	M S Frame a) Hardness, against scratch. b) Impact Resistance. c) Thickness of section, mm d) Thickness of powder coating, micron. Particle Board 12 mm thick. a) Thickness of Particle Board, mm b) Thickness of lamination, mm c) Moisture content, % Particle Board 25 mm thick. a) Thickness of Particle Board, mm b) Thickness of lamination, mm c) Moisture content, %	One test from each source.



LIFE INSURANCE CORPORATION OF INDIA
 EASTERN ZONAL OFFICE, ENGG. DEPTT. (4TH FLOOR)
 "HINDUSTHAN BUILDING", 4, C.R. AVENUE, KOLKATA – 700072
 PHONE: 033-22129077/22127443,
 E-mail: ez_engineering@licindia.com
 AN ISO 9001:2015 CERTIFIED DEPARTMENT

Sr.No.	Materials	Test	Frequency
		<u>Aluminium Top Cap.</u> a) Thickness of powder Coating, micron.	
6	Ceramic Tiles/ Vitrified Tiles	Water absorption Crazing Test	One test for every 5000 nos. or part thereof

3. **APPLICABILITY OF MSME PROVISION ON WORKS CONTRACT:**

Works contract does not falls within the ambit of Public Procurement Policy-2012 and MSME Act. Hence benefits under Public Procurement Policy for MSMEs shall not be extended against tender for "WORKS CONTRACTS".

(SIGNATURE OF THE CONTRACTOR)



LIFE INSURANCE CORPORATION OF INDIA
 EASTERN ZONAL OFFICE, ENGG. DEPTT. (4TH FLOOR)
 "HINDUSTHAN BUILDING", 4, C.R. AVENUE, KOLKATA – 700072
 PHONE: 033-22129077/22127443,
 E-mail: ez_engineering@licindia.com
 AN ISO 9001:2015 CERTIFIED DEPARTMENT

GENERAL PREAMBLES TO SCHEDULE OF QUANTITIES

These preambles apply to all the sections of the "Schedule of Quantities".

1. RATE TO COVER:

- 1.1 The rates quoted by the Contractor shall be held to include for providing and fixing, all conveyance and delivery, loading & unloading, carrying in, storing, hoisting, all labour, setting, fitting and fixing in position, making straight, cutting, waste, return of packing and all materials and labour and everything else necessary for the proper completion of each item of work to the approval of Corporation's Engineer and for Establishment Charges, overheads and profits. The Contractor shall provide at his expense all labour, materials and things required by the Corporation's Engineer for testing and measuring the work, for weighing, testing the efficiency of any portion of the work, all planking, gangways etc. necessary for affording access to every part of the work except where specifically stated otherwise.
- 1.2 The Contractor should also cover in his rates for the method of work, cost of materials, labour etc., to comply with the "Trade Specifications", General Instructions to Contractor", "Conditions of Contract", "Special Conditions", (if any), and all documents of this contract.
- 1.3 All the materials or procedures or specifications for work, unless otherwise stated, shall conform to the current Indian Standard whether or not specific mention is made thereof. The Contractor shall be responsible for and shall replace or make good at his own expense, any materials lost or damaged, or of quality not approved, temporarily disturbed roads, pavements, approaches, gates, walls or any such dismantling carried out to execute the work.
- 1.4 All rates quoted shall include for Supplying and fixing although the same may not have been mentioned in the item of the Schedule of Quantities. Words "Providing and Fixing where used shall have same meaning as "Supplying and Fixing".
- 1.5 **Rates quoted shall include for hoisting to any height and the work at all levels and lifting of Materials and working at any height shall not form any criterion for any extra claims, except where otherwise specified in Schedule of quantities.**

2. ANCILLARY WORKS:

- 2.1 The Contractor shall have to carry out all ancillary and connected work within and near vicinity of the plot of the proposed work and inside the Building if ordered to do so by the Chief Engineer at the rates quoted in the Schedule of Quantities, at any time during the currency of this Contract including extension of time, if any granted.



LIFE INSURANCE CORPORATION OF INDIA
 EASTERN ZONAL OFFICE, ENGG. DEPTT. (4TH FLOOR)
 "HINDUSTHAN BUILDING", 4, C.R. AVENUE, KOLKATA – 700072
 PHONE: 033-22129077/22127443,
 E-mail: ez_engineering@licindia.com
 AN ISO 9001:2015 CERTIFIED DEPARTMENT

3. PRICE FLUCTUATION / VARIATION:

- 3.1 Rates quoted by the Contractor shall be firm throughout the currency of the Contract including extensions of time, if any granted. No price adjustment due to variation in cost of materials or labour or any variation under any State or Central Legislation or any other reason whatsoever shall be allowed, except as stated in relevant clauses below with regard to variation in price on materials & labour and price fluctuation in Cement & Steel.

10. "PRINCIPAL MAKE/S OR OTHER EQUAL AND APPROVED" FOR MATERIALS / PRODUCTS:

- 10.1 The Contractor shall note that materials having "ISI" monogram shall primarily be used in the work. If in the tender "Certain Principal Make / Makes or other equal and approved of any material / Product is mentioned in any item or Trade Preambles relating to the particular items in its respective Trade Schedule, the Contractor shall have to use the Principal Make/Makes specified in the relevant item or the trade Preambles. In case the specified particular Principal make / makes of the materials product is/are not readily available, the Contractor shall take prior permission and approval of the Chief Engineer in writing before use of the alternative equivalent make of the Material / Product.
- 10.2 All principal makes specified for any item shall be treated at par as per the accepted quoted rate.
- 10.3 Use of the make other than the Principal Make/Makes (which shall be treated as an Equivalent make) shall be at the discretion of the Chief Engineer and such Make/Makes shall be used after the approval of the Chief Engineer.
- 10.4 In such cases the Contractor will not be paid any extra payment over the accepted quoted rate in any case. However if it is ascertained that the price of approved Equivalent Make or the Material/product is lower than that for the Principal Make/Makes of the same material / product the difference of the price shall be payable by the contractor to LIC. Such difference of price shall be suitably decided by the Chief Engineer whose decision shall be final and binding to the Contractor in this regard.



LIFE INSURANCE CORPORATION OF INDIA
 EASTERN ZONAL OFFICE, ENGG. DEPTT. (4TH FLOOR)
 "HINDUSTHAN BUILDING", 4, C.R. AVENUE, KOLKATA – 700072
 PHONE: 033-22129077/22127443,
 E-mail: ez_engineering@licindia.com
 AN ISO 9001:2015 CERTIFIED DEPARTMENT

LIST OF PRINCIPAL / APPROVED MAKES FOR CIVIL & INTERIOR WORKS

SL. No.	ITEM	MAKES/AGENCIES/BRANDS
1.	GI PIPES	Jindal Zenith Apollo GST Prakash QST
2.	GI PIPES FITTINGS	R-Brand K.S. Brand Zoloto RR SSS NMC
3.	COPPER PIPES /TUBES	Rajco Metal Industries B.P. Conex Comap
4.	MULTI LAYER COMPOSITE PIPES	Ki-TEC Kisan Flowguard CPVC Astral
5.	PVC PIPES AND FITTINGS	Chemplast Prince Supreme Finolex Oriplast
6.	UPVC (UNPLASTICIZED PIPES & FITTINGS)	Prince Supreme Paras
7.	GATE VALVES, GLOBE VALVE	Leader Kirloskar Zoloto Orient
8	FOOT VALVES, CHECK VALVE	Kirloskar Leader Ashoka
9	WATER METERS	Capstan Anandaasahi Dasmesh Remco
10	FERRULES	Leader Hindco Neta Annapurna



LIFE INSURANCE CORPORATION OF INDIA
 EASTERN ZONAL OFFICE, ENGG. DEPTT. (4TH FLOOR)
 "HINDUSTHAN BUILDING", 4, C.R. AVENUE, KOLKATA – 700072
 PHONE: 033-22129077/22127443,
 E-mail: ez_engineering@licindia.com
 AN ISO 9001:2015 CERTIFIED DEPARTMENT

SL. No.	ITEM	MAKES/AGENCIES/BRANDS
11.	BIB COCKS,STOP COCKS,PILLAR TAPS	Jaguar (Continental Series) Marc (Orient Series) Essco ARK GEM
12.	LOW LEVEL FLUSHING CISTERNS (PVC/CERAMIC)	Parryware Cera Hindware Commander
13.	VITREOUS SANITARY WARE LIKE WC, WASH BASIN,URINALS,EWC ETC	Parryware Cera Hindware Neycer
14.	PLASTIC SEAT AND COVER	Commander Parryware Bestolite Duroshine
15.	BATH ROOM FITTINGS	Jaguar (Continental Series) Essco GEM ARK Marc (Oriental Series)
16.	C.I. PIPES & FITTINGS	Hind BIS BIC Neco
17.	C.I. NAHANI TRAP	BIC SKF NECO RAJCO
18.	SW PIPES	HIND PERFECT BURNS
19.	PVC CABINET MIRROR	Commander
20.	SLUICE VALVE	Leader Kirloskar
21.	HDPE/LDPE/LLDPE WATER STORAGE TANKS	Sintex Polycon G &P



LIFE INSURANCE CORPORATION OF INDIA
 EASTERN ZONAL OFFICE, ENGG. DEPTT. (4TH FLOOR)
 "HINDUSTHAN BUILDING", 4, C.R. AVENUE, KOLKATA – 700072
 PHONE: 033-22129077/22127443,
 E-mail: ez_engineering@licindia.com
 AN ISO 9001:2015 CERTIFIED DEPARTMENT

SL. No.	ITEM	MAKES/AGENCIES/BRANDS
22.	CERAMIC /GLAZED TILES	Nitco Somany Kajaria Euro H.R. Johnson Orient Bell Ltd. Asian Granito India Ltd.
23.	VITRIFIED TILES	Nitco Somany Kajaria RAK EURO Orient Bell Ltd. Asian Granito India Ltd.
24.	PLY WOOD (BWR,BLOCK BOARD)	Kitply Archid Green Ply Century Ply Bhutan Ply Sharon Anchor Swastik National Samrat Plywood Ltd
24A.	FIRE RETARDANT PLY WOOD AS PER IS 5509	Archid Green Ply Century Ply Samrat Plywood Ltd
25.	FLOAT GLASS	Saint Gobin Modi Guard Triveni Sheet Glass Indo Asahi Glass Co. Tata Atul
26.	PVC DOORS & DOOR FRAMES	Rajshri Sintex Supreme
27.	ALUMINIUM EXTRUDED SECTIONS	Hindal Jindal Indal Hindalco
28.	STAINLESS STEEL KITCHEN SINKS	Nirali Farnkee Jayna Diamond Neelkanth
29.	PRELAMINATED/ VENEERED PARTICLE BOARD	Novopan Green Lam Kitlam Archid Lam Swastik



LIFE INSURANCE CORPORATION OF INDIA
 EASTERN ZONAL OFFICE, ENGG. DEPTT. (4TH FLOOR)
 "HINDUSTHAN BUILDING", 4, C.R. AVENUE, KOLKATA – 700072
 PHONE: 033-22129077/22127443,
 E-mail: ez_engineering@licindia.com
 AN ISO 9001:2015 CERTIFIED DEPARTMENT

SL. No.	ITEM	MAKES/AGENCIES/BRANDS
30.	FLUSH DOOR SHUTTERS	Kutty Flush Door Century Green Ply Shiva Hari Plywood Ltd.(Corbett) Anchor Ply Swastik Ply Western India Parvathi Wood Samrat Archidply
31.	HIGH PRESSURED LAMINATES	Green Lam Merino Sunmica/Formica Century Durian Sundek Anchor Decolam Samrat Archidply
32.	FLOOR SPRINGS	Everite Hardwyn Efficient Gadgets Garness Dormer
33.	VENEERS	Decowood Euro Veneers Durian Green Lam Archidply
34	MDF BOARDS	Duratuff Nuwood Century Novopan Kitply Green Ply
35	ADHESIVE	Fevicol SH Araldite Ciba Giegy Mowiool HV of Mafatlal
36	WOOD PRESERVATIVES	Bison Godrej Kot



LIFE INSURANCE CORPORATION OF INDIA
 EASTERN ZONAL OFFICE, ENGG. DEPTT. (4TH FLOOR)
 "HINDUSTHAN BUILDING", 4, C.R. AVENUE, KOLKATA – 700072
 PHONE: 033-22129077/22127443,
 E-mail: ez_engineering@licindia.com
 AN ISO 9001:2015 CERTIFIED DEPARTMENT

SL. No.	ITEM	MAKES/AGENCIES/BRANDS
37	HARDWARE FITTINGS	Jyoti Argent C.I.E.F. Classic Everite Metaco India JH Aluminium PV Radhakrishna Etalite Hardwin
38	DOOR CLOSER	Everite Hardwyn Efficient Gadgets Ebco Dorma Garness
39	DRAWER SLIDERS	Efficient Gadgets Ebco Etahoa Sisco
40	LOCK	Godrej Golden Efficient Gadgets Mark Sheet Vision Dorma
41	MIRRORS	Atul Sun Commander Modi Guard Saint Gobin Globe
42	WATER PROOFING COMPOUND	Impermo Cico Pidliite Roff Choksey Hindustan –Ciba Gaigey Accoproof Sika Fosroc



LIFE INSURANCE CORPORATION OF INDIA
 EASTERN ZONAL OFFICE, ENGG. DEPTT. (4TH FLOOR)
 "HINDUSTHAN BUILDING", 4, C.R. AVENUE, KOLKATA – 700072
 PHONE: 033-22129077/22127443,
 E-mail: ez_engineering@licindia.com
 AN ISO 9001:2015 CERTIFIED DEPARTMENT

SL. No.	ITEM	MAKES/AGENCIES/BRANDS
43	STEEL WINDOWS AND VENTILATORS	Agew Steel Mfg. Co. Ltd. Sen Harvic Hopes Diana Casement Madhu Industries Bangalore Multiwin Unique Metal Windows Ankur Industries Modern Fabricators
44	AC PIPES/SHEETS	Charminar Everest Visakha Orient Ramson
45	SPECIAL PROTECTIVE & DECORATIVE FINISH	Snowcem Paint Asian Paints Berger Jenson & Nicholson Kansai Nerolac ICI Godawari
46	OIL BOUND DISTEMPER	Asian Berger Jenson & Nicholson ICI Kansai Nerolac Godawari
47	CEMENT PAINT	Snowcem Plus Berger Asian Paints Jenson & Nicholson Kansai Nerolac ICI Godawari
48	SURFACE TEXTURE	Heritage (Bakelite Hylam Ltd.) Spectrum



LIFE INSURANCE CORPORATION OF INDIA
 EASTERN ZONAL OFFICE, ENGG. DEPTT. (4TH FLOOR)
 "HINDUSTHAN BUILDING", 4, C.R. AVENUE, KOLKATA – 700072
 PHONE: 033-22129077/22127443,
 E-mail: ez_engineering@licindia.com
 AN ISO 9001:2015 CERTIFIED DEPARTMENT

SL. No.	ITEM	MAKES/AGENCIES/BRANDS
49	TEXTURE PAINT	Snowcem India Ltd. Santex Matt Asian Jenson & Nicholson Berger Kansai Nerolac
50	ENAMEL PAINT PRIMERS/READY MIXED PUTTY FOR WOOD WORK , IRON & STEEL	Asian Berger Jenson & Nicholson Kansai Nerolac ICI MRF Godawari
51	WALL PUTTY	Birla wall Care Snowcem paints JK Asian paints
52	EXTERIOR EMULSION	Asian Paints - Apex Berger Paints Kansai Nerolac MRF Jenson Nicholson ICI Godawari
53	CEMENT CONCRETE PIPE	The Indian Hume Pipe Premier Pre-stressed Co.
54	EXPANSION JOINT BOARD	Shalimar Tar Products Lloyds Insulations Fosroc Shalitex
55	FALSE CEILING	India Gypsum Armstrong Daikin Insula QED Panels
56	VERTICAL BLINDS	Vista Levlor TRAC MAC Marvel



LIFE INSURANCE CORPORATION OF INDIA
 EASTERN ZONAL OFFICE, ENGG. DEPTT. (4TH FLOOR)
 "HINDUSTHAN BUILDING", 4, C.R. AVENUE, KOLKATA – 700072
 PHONE: 033-22129077/22127443,
 E-mail: ez_engineering@licindia.com
 AN ISO 9001:2015 CERTIFIED DEPARTMENT

SL. No.	ITEM	MAKES/AGENCIES/BRANDS
57	ADHESIVE FOR TILE FIXING	Roffe Balendura Cera Bond Fosroc Choskey Chemicals Dr. Fixit Sika Sunanda
58	PAVING TILES	Eurocon Ultra Duracrete
59	PVC FLOORING	Flora Armstrong
60	VINYL FLEXIBLE FLOORING	Wonder Floor Armstrong BHOR Rikvin Tusker
61	FIBRE GLASS DOORS	Master Craft
62	SS/CP FRICTION HINGES	Ebco Jyoti Everest Magnum
63	SOFT BOARD	Jolly Board
64	SCREW	Nettelefold GKW
65	FIBRE REINFORCEMENT COMP.DOOR	Loknath Unique



LIFE INSURANCE CORPORATION OF INDIA
 EASTERN ZONAL OFFICE, ENGG. DEPTT. (4TH FLOOR)
 "HINDUSTHAN BUILDING", 4, C.R. AVENUE, KOLKATA – 700072
 PHONE: 033-22129077/22127443,
 E-mail: ez_engineering@licindia.com
 AN ISO 9001:2015 CERTIFIED DEPARTMENT

APPROVED MAKES OF MATERIALS FOR ELECTRICAL, FIRE ALARM & STRUCTURAL CABLING WORK

SR. NO	MATERIAL	MAKES		
1	COPPER CONDUCTOR PVC INSULATED FR GRADE WIRES	(a) FINOLEX	(b) HAVELLS	© V GUARD
		(d) RRS KABEL		
2	PVC INSULATED ARMOURED CABLES (LT/HT)	(a)FINOLEX	(b) FORT GLOSTER	© CCI
		(d) RR KABEL	(e) DELTON	
3	MAIN SWITCH WITH HRC FUSES	(a) L & T	(b)SIEMENS	© GE
		(d) ENGLISH ELECTRIC	(e) STANDARD	(f) HAVELLS
4	MAIN SWITCHES WITH REWIRABLE FUSE	(a) L & T	(b) CROMPTON	© STANDARD
		(d) HAVELS		
5	MCCB	(a) SIEMENS	(b) L & T	© SCHNIEDER – MJ
		(d) LEGRAND		
6	MCB / ELCB / ELMCB / DB	(a) LEGRAND	(b) SIEMENS	© HAGGER
		(d) SCHNEIDER MJ		
7	CHANGE OVER SWITCH / SWITCH FUSE UNIT UPTO 100 AMP	(a) HPL	(b) L & T	© HAVELLS
		(d) STANDARD	(e) SIEMENS	
8	CHANGE OVER SWITCH / SWITCH FUSE UNIT ABOVE 100 AMP	(a) HPL	(b) L & T	© SIEMENS
9	RISING MAINS	(a) ENGLISH ELECTRIC	(b) GEC	© SCHNIEDER



LIFE INSURANCE CORPORATION OF INDIA
 EASTERN ZONAL OFFICE, ENGG. DEPTT. (4TH FLOOR)
 "HINDUSTHAN BUILDING", 4, C.R. AVENUE, KOLKATA – 700072
 PHONE: 033-22129077/22127443,
 E-mail: ez_engineering@licindia.com
 AN ISO 9001:2015 CERTIFIED DEPARTMENT

SR. NO	MATERIAL	MAKES		
10	PVC CONDUIT (ISI MARK)	(a) PRECISION	(b) AVON PLAST	© ESSARKE
		(d) SUDHAKAR	(e) KALINGA	(f) AKG
11	PVC CASING CAPING	(a) PRECISION	(b) KALINGA	© AKG
		(d) SUDHAKAR	(e) DIAMOND	
12	M.S. CONDUIT	(a) SUPREME	(b) BEC	© NIC
		(d) AKG		
13	FLOOR TRUNKING SYSTEM	(a) LEGRAND	(b) MK ELECTRIC	© PRECISION
		(d) MODI		
14	G.I. PIPE	(a) JINDAL	(b) SENITH	© PRAKASH
		(d) TATA	(e) GST	(f) APOLLO
15	MODULAR SWITCHES, ACCESSORIES & ELECTRONIC REGULATOR	(a) ANCHOR ROMA	(b) SSK	© LEADER
		(d) CRABTREE	(e) MK	
16	NON MODULAR SWITCHES, ACCESSORIES & ELECTRONIC REGULATOR	(a) ANCHOR	(b) LEADER	© SSK
		(d) CPL		
17	INDUSTRIAL PLUG & SOCKET	(a) LEGRAND	(b) HAVELLS	© CROMPTON
		(d) HAGGER	(e) STANDARD	
18	CEILING / EXHAUST / WALL FAN	(a) USHA	(b) CROMPTON	© ORIENT
		(d) BAJAJ	(e) ALMONARD	
19	INDOOR LIGHT FITTINGS	(a) PHILIPS	(b) WIPRO	© CROMPTON
		(d) GE		
20	OUTDOOR LIGHT FITTINGS	(a) PHILIPS	(b) WIPRO	© CROMPTON
		(d) GE	(e) K – LITE	



LIFE INSURANCE CORPORATION OF INDIA
 EASTERN ZONAL OFFICE, ENGG. DEPTT. (4TH FLOOR)
 "HINDUSTHAN BUILDING", 4, C.R. AVENUE, KOLKATA – 700072
 PHONE: 033-22129077/22127443,
 E-mail: ez_engineering@licindia.com
 AN ISO 9001:2015 CERTIFIED DEPARTMENT

SR. NO	MATERIAL	MAKES		
21	CABLE GLANDS	(a) COMET	(b) DOWELLS	© BRACO
		(d) SIEMENS		
22	LUGS	(a) DOWELLS	(b) COMET	
23	CONNECTORS	(a) ELMEX	(b) CONNECTWELL	© PHOENEX
24	FLUORESCENT LAMP	(a) PHILIPS	(b) OSRAM	© CROMPTON
		(d) BAJAJ	(e) GEC	
25	COMPACT FLUORESCENT LAMP	(a) PHILIPS	(b) OSRAM	© HAVELLS
		(d) WIPRO		
26	MOTOR STARTER	(a) SIEMENS	(b) L & T	© CROMPTON
27	MONOBLOCK PUMP	(a) KIRLOSKAR	(b) CROMPTON	© CRI
28	LIGHTENING ARRESTOR	(a) PACTIL	(b) HECO	© ATLAS
		(d) G.K. ELECTRICALS		
29	TRANSFORMER			
(i)	UPTO 500 KVA	(a) PACTIL	(b) EMCO	© CROMPTON
		(d) KIRLOSKAR	(e) GEC	(f) TESLA
(ii)	ABOVE 500 KVA	(a) KIRLOSKAR	(b) GEC	
30	A.B. SWITCH & D.O. FUSE	(a) PACTIL	(b) JENCO	© CROMPTON
		(d) ATLAS		
31	SELECTOR SWITCH	(a) KAYCEE	(b) SIEMENS	© C & S
32	INDICATING LAMPS	(a) VAISHNO	(b) ESSEN	© PHILIPS
	CONTACTORS	(a) SIEMENS	(b) L & T	© ABB
		(d) SCHNIEDER		



LIFE INSURANCE CORPORATION OF INDIA
 EASTERN ZONAL OFFICE, ENGG. DEPTT. (4TH FLOOR)
 "HINDUSTHAN BUILDING", 4, C.R. AVENUE, KOLKATA – 700072
 PHONE: 033-22129077/22127443,
 E-mail: ez_engineering@licindia.com
 AN ISO 9001:2015 CERTIFIED DEPARTMENT

SR. NO	MATERIAL	MAKES		
33	MEASURING INSTRUMENTS	(a) AMP (d) ENERCON	(b) MECO (e) PROK-DV's	© AE
34	PF IMPROVEMENT CAPACITOR & APFC PANEL	(a) EPCOS (d) CROMPTON	(b) NEPTUNE	© L & T
35	RELAY FOR AUTOMATIC PF IMPROVEMENT	(a) EPCOS	(b) CONZERVE	© L & T
36	CURRENT TRANSFORMER	(a) AE (d) L & T	(b) RISHABH	© KUPPA
37	DATA CABLES & FACTORY MADE PATCH CHORDS	(a) LEGRAND (d) MOLEX	(b) D LINK (f) AMP	© FINOLEX
38	INFORMATION OUTLET / RJ 45 CONNECTORS / RJ – 11 SOCKETS	(a) D LINK (d) SYSTEMAX	(b) LEGRAND (e) AMP	© MOLEX
39	TELEPHONE WIRES	(a) FINOLEX (d) RR KABLE	(b) DELTON	© HAVELLS
40	RG 6 CABLE FOR TV	(a) FINOLEX	(b) DELTON	© NATIONAL
41	JACK PANEL	(a) D LINK (d) SYSTEMAX	(b) LEGRAND (e) VALRACK	© MOLEX (f) AMP
42	RACK	(a) VALRACK (d) A LINK	(b) DIGITRON	© HCL
43	FIRE ALARM PANEL	(a) HONEY WELL (d) NOTIFIER	(b) CARMEL (e) MIRCOM/SE CUTRON	© ZICOM (f) MORLEY IAS



LIFE INSURANCE CORPORATION OF INDIA
 EASTERN ZONAL OFFICE, ENGG. DEPTT. (4TH FLOOR)
 "HINDUSTHAN BUILDING", 4, C.R. AVENUE, KOLKATA – 700072
 PHONE: 033-22129077/22127443,
 E-mail: ez_engineering@licindia.com
 AN ISO 9001:2015 CERTIFIED DEPARTMENT

SR. NO	MATERIAL	MAKES		
		(a)	(b)	(c)
44	SMOKE / HEAT DETECTOR	(a) APOLLO	(b) MORLEY IAS	© EDWARD
		(d) SYSTEM SENSOR	(e) HONEY WELL	(f) MIRCOM/SECUTRON
45	MANUAL CALL POINT / HOOTER/ RESPONSE INDICATOR	(a) HONEY WELL	(b) ZICOM	© NOTIFIER
		(d) SIMPLEX	(e) MIRCOM/ SECUTRON	(f) CARMEL
46	AIR CONDITIONING UNIT (WINDOW / SPLIT TYPE)	(a) VOLTAS	(b) CARRIER	© BLUE STAR
		(d) HITACHI		

Note:

All Switch-gear and the Distribution Boards should be clearly marked with Red, Yellow, Blue and Black colour for phases and neutral. All busbar enclosures Angle iron frame and switch-gears should be painted with battleship grey oil paint. Danger and caution boards at appropriate places on main boards and Distribution Boards should be fixed. All controlling main switches on main boards and distribution boards should clearly indicate with white oil paint lettering the floor and section controlled by it. All equivalent alternative materials used on the job will have to be approved by Chief Engineer of LIC before it is actually used. If any item is installed without prior approval, the contractor will be asked to dismantle the installation and use materials as specified. The insulated wire used for concealed wiring shall be with Red, Yellow, Blue colour for respective phases, Black for neutral & Green for earth wires.



LIFE INSURANCE CORPORATION OF INDIA
 EASTERN ZONAL OFFICE, ENGG. DEPTT. (4TH FLOOR)
 "HINDUSTHAN BUILDING", 4, C.R. AVENUE, KOLKATA – 700072
 PHONE: 033-22129077/22127443,
 E-mail: ez_engineering@licindia.com
 AN ISO 9001:2015 CERTIFIED DEPARTMENT

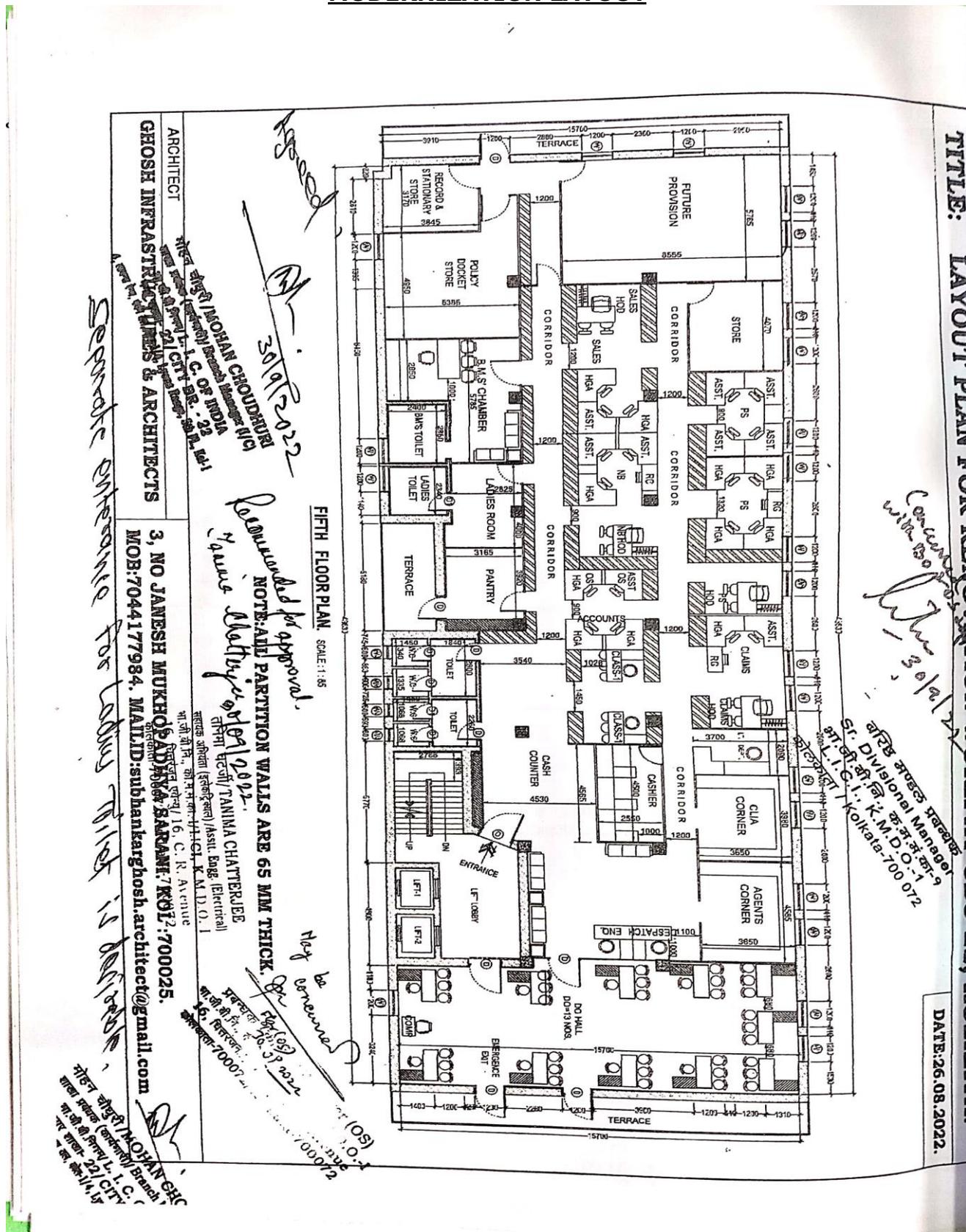
LIST OF PRINCIPAL / APPROVED MAKES FOR FIRE FIGHTING WORKS

Sl. No.	ITEM	MAKE
1	Pressure Boosting Terrace Pump	KIRLOSKAR / CROMPTON GREAVES / CRI
2	Hydrant (Landing) Valve. Conforming to IS-5290	NEW AGE / EVERS SAFE / MINIMAX / SAFE GUARD
3	Fire delivery hose-IS-636-type-B fitted with delivery hose coupling-conforming to IS-903	NEW AGE / EVERS SAFE/CRC / JAYSHREE
4	Short branch pipe universal-conforming to IS-2871	EVERSAFE / VIKING/GE / MINIMAX / NEWAGE / SAFE GUARD
5	Hose cabinet :	NEW AGE / EVERS SAFE / MINIMAX / SAFE GUARD
6	Isolation valve	KIRLOSKAR / LEADER / ZOLOTO / ORIENT
7	Non-return valve	KIRLOSKAR / LEADER / ASHOKA
8	Fire service inlet	EVERSAFE /NEW AGE / MINI MAX / SAFE GUARD
9	First Aid Hose Reel Swinging Type:-	EVERSAFE / NEW AGE / MINI MAX / SAFE GUARD.
11	Piping	JINDAL / ZENITH / APOLLO / GST / PRAKASH / QST
12	Pressure Gauge	H GURU / DWYER / FIEBIG / INDFOS / DANFOSS
13	Butterfly Valve	AUDCO / DANFOSS / CASTLE
14	Fire Alarm Control Panel	HONEY WELL / NOTIFIER / MORLEY IAS / MICROM / SECUTRON / CARMEL / ZICOM
15	Manual call Point	HONEY WELL / ZICOM / NOTIFIER / SIMPLEX / MICROM / SECUTRON / CARMEL
16	Hooter	HONEY WELL / ZICOM / NOTIFIER / SIMPLEX / MICROM / SECUTRON / CARMEL
17	Connecting wire / Cable	FINOLEX / HAVELLS / V GUARD / RR CABLES.
18	PVC Conduit	AKG / PRECESSION / AVON PLAST / ESSARKE / SUDHAKAR / KALINGA
19	Carbon dioxide type portable fire extinguisher	EVERSAFE / FIRESHIELD / MINIMAX / CEASE FIRE
20	ABC type stored pressure portable fire extinguisher	EVERSAFE / FIRESHIELD / MINIMAX / CEASE FIRE
21	Water Co2	EVERSAFE / FIRESHIELD / MINIMAX
22	Amplifier battery backup. With microphone & AUX line.	AHUJA / PHILIPS
23	Speaker	AHUJA / PHILIPS



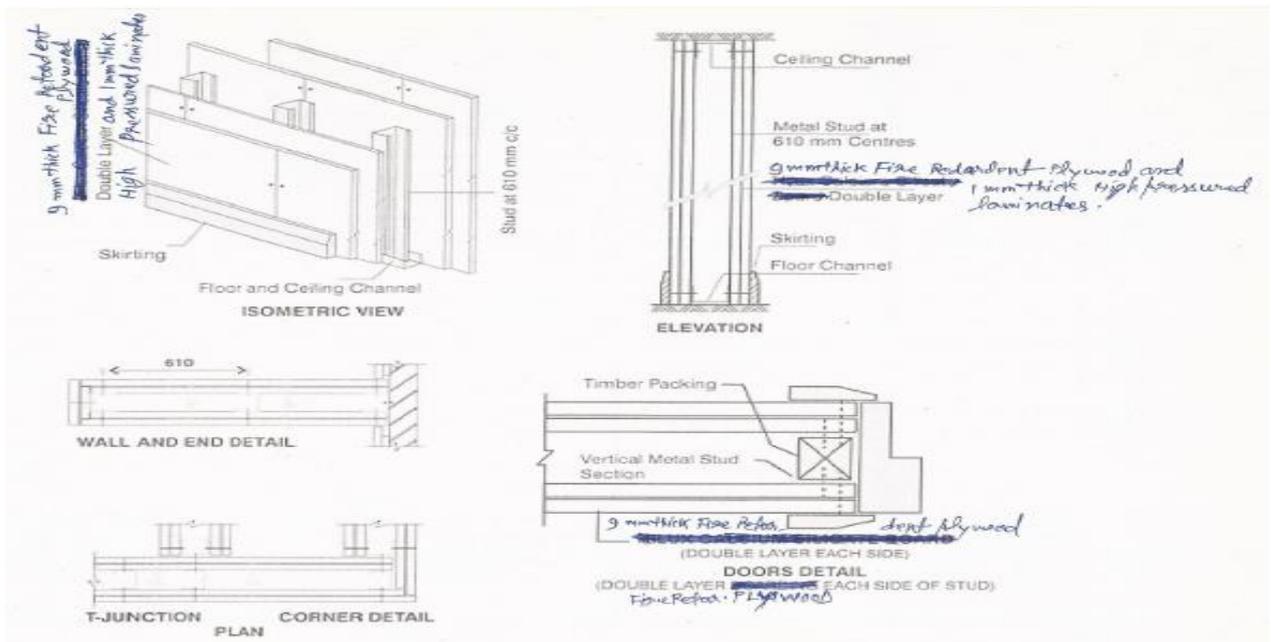
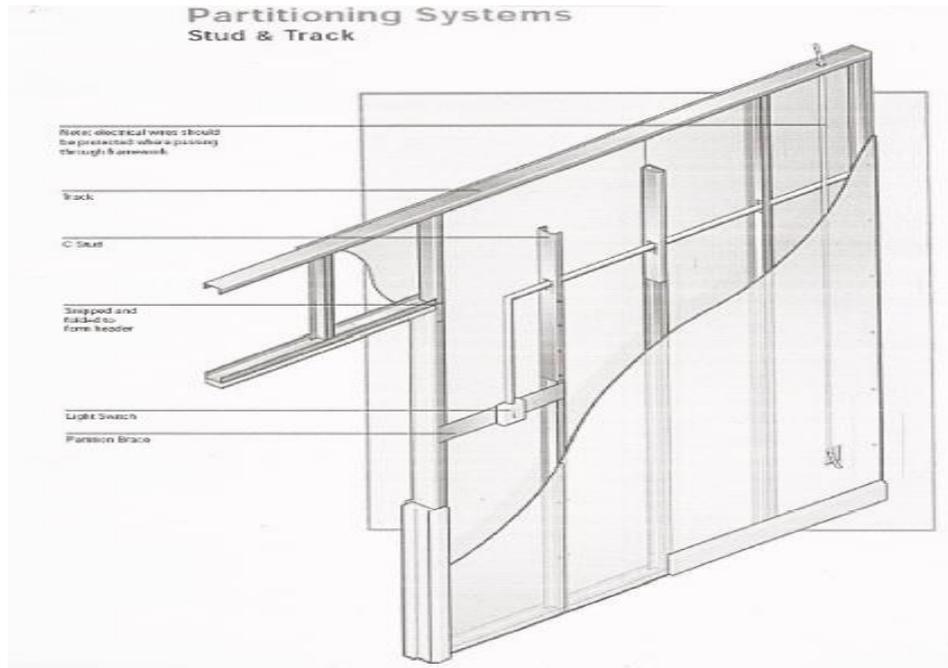
LIFE INSURANCE CORPORATION OF INDIA
 EASTERN ZONAL OFFICE, ENGG. DEPTT. (4TH FLOOR)
 "HINDUSTHAN BUILDING", 4, C.R. AVENUE, KOLKATA - 700072
 PHONE: 033-22129077/22127443,
 E-mail: ez_engineering@licindia.com
 AN ISO 9001:2015 CERTIFIED DEPARTMENT

MODERNIZATION LAYOUT



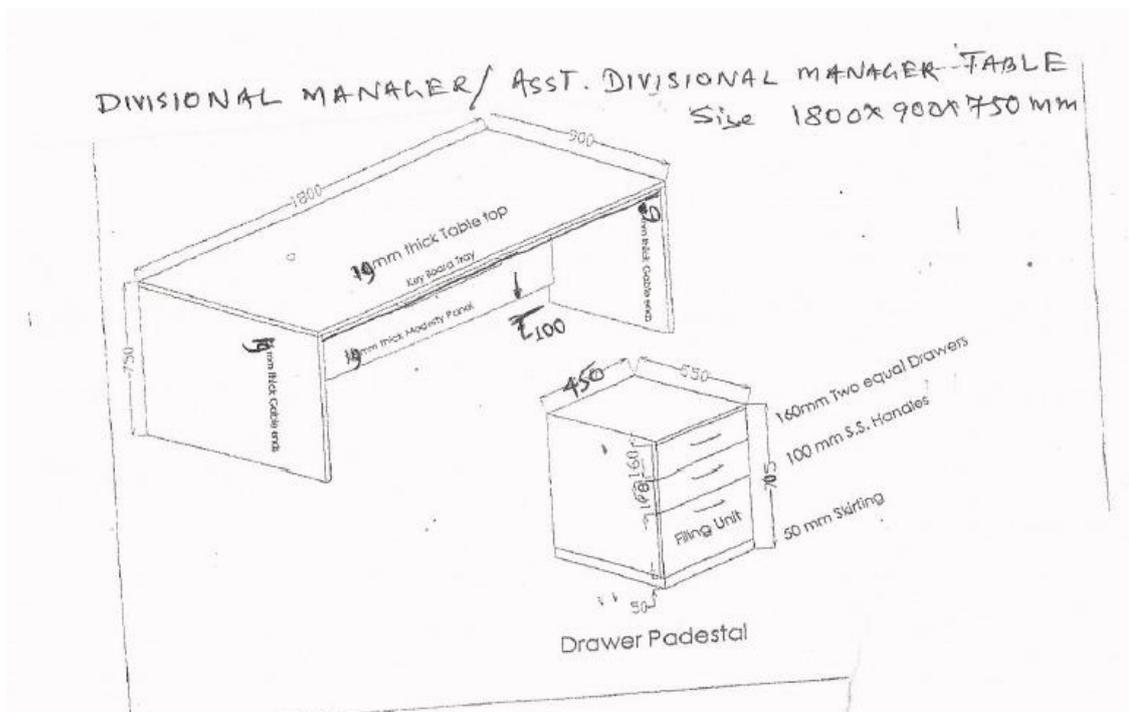
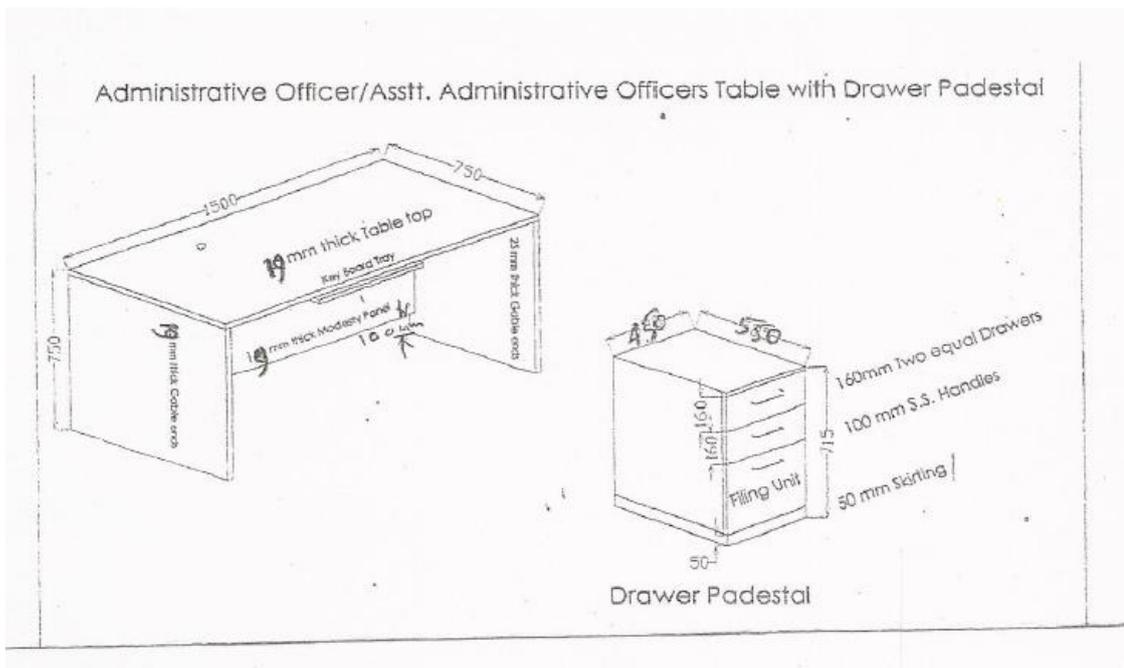


LIFE INSURANCE CORPORATION OF INDIA
 EASTERN ZONAL OFFICE, ENGG. DEPTT. (4TH FLOOR)
 "HINDUSTHAN BUILDING", 4, C.R. AVENUE, KOLKATA - 700072
 PHONE: 033-22129077/22127443,
 E-mail: ez_engineering@licindia.com
 AN ISO 9001:2015 CERTIFIED DEPARTMENT



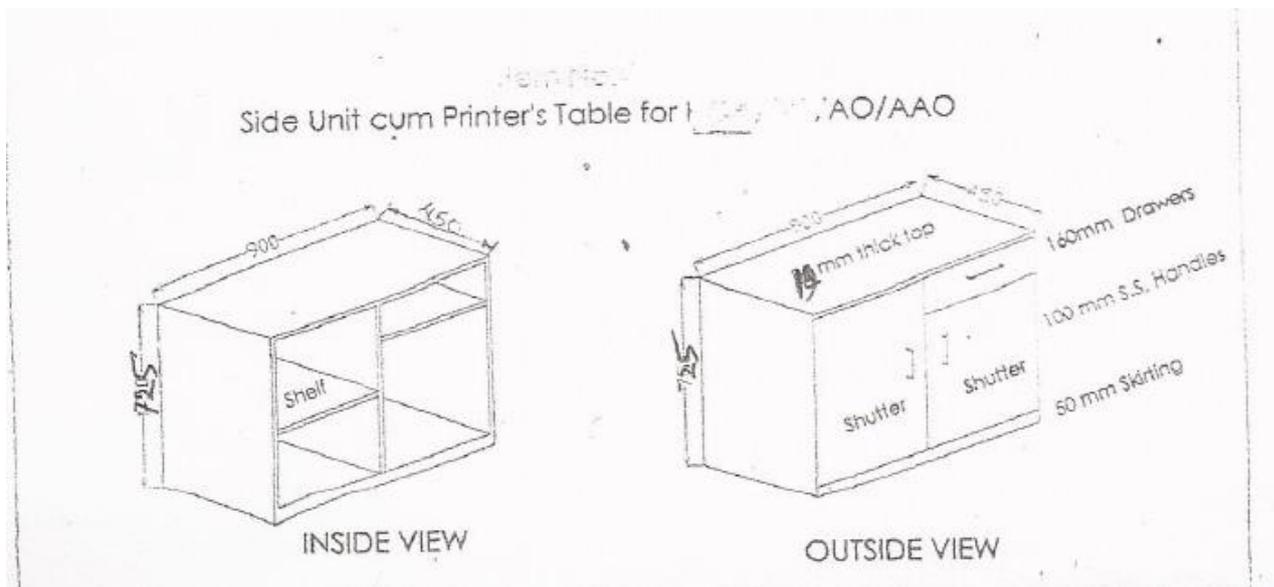
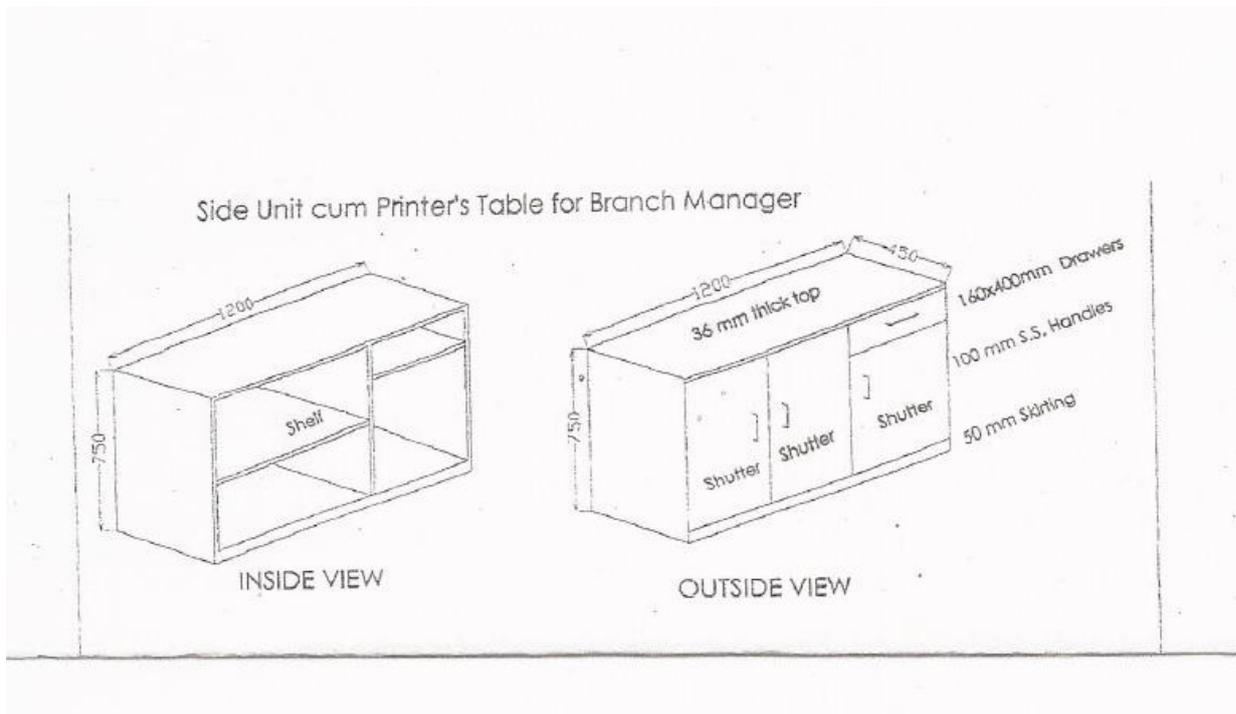


LIFE INSURANCE CORPORATION OF INDIA
 EASTERN ZONAL OFFICE, ENGG. DEPTT. (4TH FLOOR)
 "HINDUSTHAN BUILDING", 4, C.R. AVENUE, KOLKATA - 700072
 PHONE: 033-22129077/22127443,
 E-mail: ez_engineering@licindia.com
 AN ISO 9001:2015 CERTIFIED DEPARTMENT





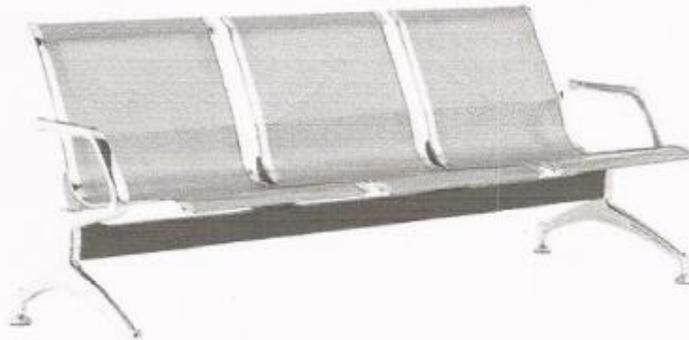
LIFE INSURANCE CORPORATION OF INDIA
EASTERN ZONAL OFFICE, ENGG. DEPTT. (4TH FLOOR)
"HINDUSTHAN BUILDING", 4, C.R. AVENUE, KOLKATA – 700072
PHONE: 033-22129077/22127443,
E-mail: ez_engineering@licindia.com
AN ISO 9001:2015 CERTIFIED DEPARTMENT





LIFE INSURANCE CORPORATION OF INDIA
EASTERN ZONAL OFFICE, ENGG. DEPTT. (4TH FLOOR)
"HINDUSTHAN BUILDING", 4, C.R. AVENUE, KOLKATA – 700072
PHONE: 033-22129077/22127443,
E-mail: ez_engineering@licindia.com
AN ISO 9001:2015 CERTIFIED DEPARTMENT

MULTIPURPOSE PERFORATED CHAIR (3-seater)



MULTIPURPOSE PERFORATED CHAIR (2-seater)





LIFE INSURANCE CORPORATION OF INDIA
 EASTERN ZONAL OFFICE, ENGG. DEPTT. (4TH FLOOR)
 "HINDUSTHAN BUILDING", 4, C.R. AVENUE, KOLKATA – 700072
 PHONE: 033-22129077/22127443,
 E-mail: ez_engineering@licindia.com
 AN ISO 9001:2015 CERTIFIED DEPARTMENT

BANK ACCOUNT AND OTHER DETAILS:

ANNEXURE

To be submitted along with Tender copy

Sl. No	Description	Details
01	Name of the Company/Firm/Entrepreneur Institute, etc	
02	Address	
	Phone Number	Mobile: Land Line:
	E-Mail ID	
03	Bank Account Details:	
A.	Name of the Bank	
B.	Address of the Bank Branch	
C.	Account No	
D.	Type of Account	
E.	IFSC/RTGS Code	
	(Enclose Xerox copy of the Cheque leaf)	
04	PAN No *	
05	TIN Registration No.*	
06	GST IN Registration No.*	

I declare that, the above furnished information is correct. During the contract period, if any changes took place in the above said information, the same will be informed with the valid reasons.

SIGNATURE