

P.B. No. 6515, COBANK TOWERS, VIKAS BHAVAN P.O., PALAYAM THIRUVANANTHAPURAM, PIN-695 033

Fordetailspleasevisitwebsite

www.etenders.kerala.gov.in

NOTICEINVITING e-TENDER(NIT)

TheKerala StateCo-operativeBank Ltd.invitescompetitivetenderfrom the reputed firms for BUILDING RETROFITTING & RELATED WORKS, FACADE & RELATED CIVIL WORKS, BRANCH INTERIOR FURNISHING, ELECTRIFICATION & AIR CONDITIONING WORKS OF M/S KERALA BANK LIMITED, VALANJAMBALAM coming under Thrissur Region of KSCBLtd.aspertheSpecificationsenclosedintheTenderdocuments.

S.No	Nameofwork	Earnest	Cost of Tender form	Onlinebid submissio	Date & time of
		Money Deposit	(TenderFe e)	n	openingofonlin e tender bid
		(EMD)	(closingdat	
				e &time	
1	BUILDING RETROFITTING &	150000/-	2000/-	30/04/2025	03/05/2025
	RELATED WORKS, FACADE &		+gst	3 pm	3 pm
	RELATED CIVIL WORKS,				
	BRANCH INTERIOR				
	FURNISHING,				
	ELECTRIFICATION & AIR				
	CONDITIONING WORKS OF				
	M/S KERALA BANK LIMITED,				
	VALANJAMBALAM coming				
	under Thrissur Region of				
	KSCBLtd				

DateandTimeofSubmissions

The last date for submission of e-tendering will be at **3pm** on **30/04/2025**. TechnicalBidwillbeopenedat**3 pmon3rdM a y 2025**. Further details regarding the tender for the work can be had from Regional Office Thrissur, KSCB Ltd(Ph;-0487- 2425700, 9846885420) during working days. The Kerala State Co-operative Bank reserves the right to accept or reject any or all tender without assigning any reason what so ever.

sd/-

Regional Manager, Kerala State Co-operative Bank Ltd. Regional Office, Thrissur

CONTENTS

Sl.No.		
	Details	PageNo.
1	NoticeInvitingTender	1
2	ScheduleofTender	3
3	TenderDocuments	5
4	GeneralTerms& Conditions	10
5	PaymentTerms	12
6	ExtraitemsandAdditions	14
7	Scopeof work	15
8	Documentstobesubmittedonlineandspecial Terms	16
	andConditions forEvaluatingTechnicalEligibilityoftheBidder.	
9	PreliminaryAgreement	18
10	TenderAcceptanceLetter	21
11	BidderProfile	22
12	ListofApprovedMake Civil & interior works	23
13	ListofApprovedMake For electrical works	29-33
14	Drawing	34 - 44
15	Kerala Bank interior layout/ color patern	45-60

ScheduleofTender

Superscription	Tender No.Tsr/RO/GAD/AMD/Valanjambalam/2025-26Dtd-03/04/2025 for BUILDING RETROFITTING & RELATED WORKS, FACADE & RELATED CIVIL WORKS, BRANCH INTERIOR FURNISHING, ELECTRIFICATION & AIR CONDITIONING WORKS OF M/S KERALA BANK LIMITED, VALANJAMBALAM coming under, Thrissur Region of KSCB Ltd.
Download of Tender Documents	http://www.etenders.kerala.gov.in
Availability of Tender Form sand EMD(Online)	http://www.etenders.kerala.gov.in
PreBid Meeting	Nil.
Due date and time of Receipt of tender(last date for submission of tender)	30thApr2025at3 pm
Date and time for opening of Technical Bid	3rdmay2025at3 pm
Date and time for opening of Financial Bid	After Analysing Technical Bid
Price of tender form	Rs.2,000/-+18%GST(Rs.2,360/-)
EMD Amount	Rs.1,50000/-
Address for Communication	The General Manager Kerala Sate Co-operative Bank Ltd , Regional office Thrissur Email. tsrrogad@gmail.com Ph. 0487- 2425700, 9846885420

Tender documents and tender schedule may be downloaded from the Website www.etenders.kerala.gov.in. Bid submission fee shall be remitted online during the time of Bids submission.

All bid/tender documents are to be submitted online only and in the designated cover(s) /envelope(s)on the Website. Technical bid and financial bid shall be submitted in their respective designated online covers. Tenders/bids shall be accepted only through online mode on the e-GP website and no manual submission of the same shall be entertained. Late tenders will not be accepted. More details on EMD & Cost of Tender documents/bid submission fee are mentioned tender document.

The technical bids shall be opened online at the General Administration Department of KSCB Ltd., Regional Office Thrissur on 03-05-20253 pm in the presence of the available bidder and their representatives with bank officials. If the opening date happens to be on a holiday or non-working day due to any other valid reason, the tender opening process will be done on the next working day at same time and place.

Online Tenders/bids are to be accompanied with a scanned copy preliminary agreement executed in Kerala stamp paper worth Rs.200/- Tenders/bids received online without the scanned copy of preliminary agreement will not be considered and shall be summarily rejected. Further details can be had from the office of General Administration Department, KSCB Ltd. during working hours in phone number 0487- 2425700, 9846885420

All other existing conditions related to tender of Kerala PWD will be applicable in this tender also. The KSCB Ltd. will not be responsible for any error like missing of schedule data while downloading/uploading the bidder.

Sd/-

Kerala State Co-operative Bank Ltd. Regional Office, Thrissur

(for and on behalf of KSCBLtd.)

Station:Thrissur

Date: 04th April. 2025

TENDER DOCUMENTS

TenderNo.TSR/RO/GAD/AMD/Valanjambalam/2025-26

Dtd-03/04/2025

Nameof work: E-TenderforBUILDING RETROFITTING & RELATED
WORKS, FACADE & RELATED CIVIL WORKS,
BRANCH INTERIOR FURNISHING,
ELECTRIFICATION & AIR CONDITIONING WORKS
OF M/S KERALA BANK LIMITED, VALANJAMBALAM
coming under Thrissur Region of KSCBLtd

1. TermsandConditionsfore-Procurement

This tender is e-Tender and is being published online for BUILDING RETROFITTING & RELATED WORKS, FACADE & RELATED CIVIL WORKS, BRANCH INTERIOR FURNISHING, ELECTRIFICATION & AIR CONDITIONING WORKS OF M/S KERALA BANK LIMITED, VALANJAMBALAM coming under Thrissur Region of KSCBLtd. The tender is invited in two cover system from the registered and eligible firms through e-procurement portal of Government of Kerala (https://www.etenders.kerala.gov.in). Prospective bidders willing to participate in this tender shall necessarily register themselves with above mentioned e-procurement portal.

The tender timeline is available in the critical date section of this tender published in www.etenders.kerala.gov.in

A) Online bidder registration process:

Bidders should have a Class II or above Digital Signature Certificate (DSC) to be procured from any Registration Authorities (RA) under the Certifying Agency of India. Details of RAs will be available on www.cca.gov.in. Once, the DSC is obtained, bidders have to register on www.etenders.kerala.gov.in website for participating in this tender. Website registration is a one-time process without any registration fees. However, bidders have to procure DSC at their own cost.

Bidders contact e-Procurement support desk of Kerala State IT Mission over telephoneat0471-2577088/188/388or0484-2336006,2332262or0487-2764788, 2764188 or 0483-273294 or through email etendershelp@kerala.gov.in for assistance in this regard.

B) OnlineTender Process:

The tender process shall consist o fthe following stages:

i. Downloading of tender document: Tender document will be available for free

SignatureoftheBidder

download on www.etenders.kerala.gov.in. However, tender document fees shall be payable at the time of bid submission as stipulated in this tender document.

- ii. <u>Pre-bid meeting:</u> Party can visit the site office time with prior intimation. No meeting scheduled. Any Clarification please contact 9846885420
- iii. <u>Publishing of Corrigendum:</u> All corrigendum shall be published on www.etenders.kerala.gov.in and shall not be available elsewhere.
- iv. <u>Bid submission:</u> Bidders have to submit their bids along with supporting documents to support their eligibility, as required in this tender document on www.etenders.kerala.gov.in. No manual submission of bid is allowed and manualbids shall not be accepted under any circumstances.
- v. Opening of Technical Bid and Bidder short-listing: The technical bids will be opened, evaluated and short-listed as per the eligibility and technical qualifications. All documents in support of technical qualifications shall be submitted (online). Failure to submit the documents online will attract disqualification. Bids short-listed by this process will be taken up for opening the financial bid.
- vi. Opening of Financial Bids: Bids of the qualified bidder"s shall only be considered for opening and evaluation of the financial bid on the date and time mentioned in critical date"s section.

C) Documents ComprisingBid: Two Cover

Qualification or Technical proposal shall contain the scanned copies of the following documents which every bidder has to upload.

- i) Scanned copy of the tender duly filled, signed and sealed in all pages as a token of acceptance of all tender conditions.
 - ii) Technical details like Specifications of materials quoted made and model, warranty detailed etc.
- iii) Proof of remittance oftender fee and EMD.
- iv) Proof of experience
- v) Copy of Firm Registration
- vi) Copy of GST Registration
- vii) Affidavit of declare that the Firm has not been black listed/debarred by any Govt.Department/Public Sector undertaking.

The Bidder shall complete the Price and (BOQ)in MS Excel format as perform at given for download along with this tender.

Note: The blank price bid should be downloaded and saved on bidder somputer without changing file-name otherwise price bid will not get uploaded. The bidder should fill in the details in the same file and upload the same back to the website.

Fixed price: Prices quoted by the Bidder shall be fixed during the bidder"s performance of the contract and not subject to variation on any account. A bid submitted with an adjustable/ variable price quotation will be treated as non-

responsive and rejected.

D) Tender Document fees and Earnest Money Deposit (EMD)

The Bidder shall pay, a tender document fees of Rs. 2000/- + 18% GST and Earnest Money Deposit or Bid Security of Rs. 1,50000/-. The Bid security is required to protect the purchaser against risk of Bidder"s conduct, which would warrant for the feature of security.

Online payment modes: The tender document fees and EMD can be paid through e-payment facility provided by the e-Procurement system.

- 1. Amount as per Remittance form: Bidder should ensure that the amount being remitted is neither less nor higher than the amount shown in remittance form.
- 2. UTR Number: Bidder should ensure that the remittance confirmation (UTR number) received after NEFT/RTGS transfer should be updated as it is, in the e-Procurement system for tracking the payment.
- 3. One Remittance Form per Bidder and per Bid: The remittance form provided by e-Procurement system shall be valid for that particular bidder and bid and should not be re-used for any other tender or bid or by any other bidder.

Any transaction charges levied while using any of the above modes of online payment has be borne by the bidder. The supplier/contractor bid will be evaluated only if payment status against bidder is showing "Success" during bid opening.

E) SUBMISSIONPROCESS:

For submission of bids, all interested bidders have to register online as explained above in this document. After registration, bidders shall submit their Technical and Financial bids online on www.etenders.kerala.gov.in along with online payment of tender document fees and EMD.

For page by page instructions on bid submission process, please visit www.etenders.kerala.gov.in and check "Bidders Manual Kit" link on the homepage.

It is necessary to click on "Freeze bid" link/icon to complete the process of bid submission otherwise the bid will not get submitted online and the same shall not be available for viewing/ opening during bid opening process.

2. General Conditions

The following general conditions of the contract shall be read in conjunction with the conditions of the contract. The following clauses shall be considered as extent and not limitation of the obligations of the contractor. The special conditions attached to the conditions also will form part of the conditions of the contract.

2.1. General Terms and conditions of tendering, contractand execution.

For this tender and subsequent contract, unless in consistent with or otherwise indicated by the context, the following terms shall have the meaning defined here under.

- 2.1.1 "Bank" shall mean The Kerala State Co-operative Bank Ltd. or representative duly authorized to deal with matters regarding this work on his behalf.
- 2.1.2 "Tender" shall mean tender notice, and all pertaining documents related to the tender.
- 2.1.3 "Contractor" shall mean the individual or firm or company whose tender with or without later amendments has been accepted and in whom a letter of intent/work order has been issued by the Bank.
- 2.1.4 "Contract" shall mean and include the tender notice/ invitation to tender, the tender and all pertaining documents, the letter of intent, the purchase/work order, the correspondence exchanged after receipt of tenders and before issue of the letter of intent, the drawing, technical specification and standards relating to the contract work and the formal agreement executed by the successful tenderer/vendor with the Kerala State Co-operative Bank.
- 2.1.5 "Work/Works" means and included all the works specified or set forth and required in any, by the specifications drawing and other documents which form part of this contract or to be implied therefore or incidental there or to be here after specified or required in such further explanatory instructions, drawing etc. as shall from time to time during the progress of the work, be given by the bank.

2.2 DOCUMENTSCOMPRISINGBID:

- (a) The First Stage Part-I Pre- Qualification cum Technical Bid with Commercial terms without Price Bid. Technical proposal shall contain the scanned copies of the following documents which every bidder has to upload:
 - i. Envelop -1 shall contain, Part-I (this document in PDF form)/scanned copies of the tender documents downloaded (signed with office seal in all pages)
 - ii. Agency/Tenderer should submit all the documents of Minimum eligible criteria s in the Technical envelope Mentioned intender documents.
 - iii. Agreement in the prescribed format on Govt. of Kerala stamp paper worthRs.200/-
 - iv. Copy of Registration Certificate of the bidder firm/ Govt. order of accredited Agencies.
 - v. Copy of GST Certificate.
 - vi. Copy of PAN card of the authorized signatory/TAN
 - vii. Documents to prove the annual Turnover of the bidder along with a certificate from Chartered Accountant regarding net

worth.(Capital+Reserves)

viii. Copy of the work orders and certification from the office regarding execution of the order, to prove the experience in executing similar orders, as specified

(b) The Second Stage(Financial Cover a sper two cover system):

 Envelop -2 shall contain the Price Schedule as per BOQ in Excel format for this tender to be downloaded from e-tender website, duly digitally signed by the tenderer/authorized signatory of the tender.

The department doesn't take any responsibility for any technical snag or failure that has taken place during document upload.

The Bidder shall complete the Price bid as per form at given for download along with this tender.

Note: The blank price bid should be downloaded and saved on bidder somputer without changing file-name otherwise price bid will not get uploaded. The bidder should fill in the details in the same file and upload the same back to the website.

2.3 VALIDITY

The tender offer shall be kept valid for acceptance for a period of 6 months from the date of opening of offers. The offers with lower validity period are liable for rejection.

Further, the tenderer extend the validity of the Bids without altering the substance and prices of their Bid for further periods, if so required

2.4 DEVIATIONS

The offers of the Tenderes with Deviations in Commercial terms and Technical terms of the-tender Document are liable for rejection.

NOTE:Tender can be downloaded and bided from website address https://etenders.kerala.gov.in

Sd/-CEO, Kerala State Co-operative Bank

1. GeneralTermsandConditions:

- 1. In support of fulfilling all the essential conditions mentioned, the Firms shall submit the details, mentioning the name of work, tendered amount, gross value of work done, date of commencement as per agreement & actual date of completion as per agreement along with schedule of quantities executed and any penalty levied due to delay in executing the work.
- 2. The tender documents can be made available for viewing only at Kerala Bankwebsitehttps://www.keralacobank.com
- Tenders can only be viewed from website https://etenders.kerala.gov.in.
 Please note that tender documents are not transferable. Tender can be downloaded and bided from website address: https://etenders.kerala.gov.in
- 4. Tender documents are to be submitted in two parts. The First part shall consist of the technical Bid including the EMD and the documents in support of eligibility criteria. The second part shall contain the financial bid showing the detail schedule of work. Tenders complete in all respects, will be accepted through online up to 3.00 PMon 30th Apr 2025. The bid shall be opened at 3.00 PM on 3rd May 2025. Please note, that bids submitted without EMD are summarily being rejected. The bidder those who will not submit the self-attested hard copies of required documents in the office, the technical bid of the bidder will not be opened.
- 5. The Earnest Money amounting to Rs. 150,000.00 (Rupees One Lakh fifty thousand only) as remitted online should be deposited along with the tender documents in first part(Technical bid). Tender received without earnest-money proper document will be invalid and rejected.
- 6. Kerala Bank does not bind himself to accept the lowest or any tender and reserves the right to accept the tender either in whole or in part of the tender and the tenderer shall be bound to perform the same at the rates quoted. The decision of the Officer shall be final in this regard.
- 7. Canvassing in connection with the tenders is prohibited and the tenders

Submitted by the Firms who resort to canvassing are liable for rejection.

- 8. The Bid shall remain valid for a minimum period of 6 months from the date of opening of the tender for the purpose of acceptance and award of work. Validity beyond 6 months from the date of opening shall be by mutual consent.
- In case of any queries, necessary clarifications please be sought from the General Administration Department of the Kerala State Co-operative Bank. No claim what so ever will be entertained in this regard for any alleged ignorance thereof.
- 10. Taxes as applicable will be deducted from every bill and also from the final bill of the Firms at the rate prescribed by govt. from time to time.
- 11. The successful bidder will be required to inform the names, qualifications and experiences of the supervising staff to be deployed for execution of the work. In case of any changes occurring during the course of execution of the said work, the same shall also be intimated by the bidder to the Bank.
- 12. The Firms shall have to make arrangement of insurance for all his employees.

2. Price Escalation

The rates quoted shall be deemed to be free from escalation of any kind. The Bank shall not be accepted for any reason, whatsoever, price and tax escalations or any other item in respect of any material and or any category of labour during the whole period of operation of contract. The rates accepted by the contract agreement shall not be changed or any reason.

- 1. The tenderer should submit a statement along with his tender giving details of the tenderer s previous experience of similar works of comparable nature, also the type and size organization owned by him.
- 2 The Bank does not bind himself to accept the lowest tender and reserves to himself the right to reject any or all the tenders received without assigning any reason whatsoever the Bank also retains the right to negotiate with anyone or all the tenders after the opening of the tender and any of the terms of clauses of the tender. The work May be split up and awarded in part, if considered expedient.
- 3 The rate quoted by the tenderer shall include but not limited to all cost of labour, materials, supervision thereof, hire for all tools and implements, incidental charges, and cover the insurance, taxes, duties, delivery, loading and unloading, installation, commissioning at site etc.
- 4 The work shall confirm to general approval standards. The selection of materials shallalsoconfirmtoapprovegeneralstandards. Thetenderershallspecifically

mention in the tender response the make/ manufacturer and model of the entire item supplied, items from reputed manufactures with ISI mark only are acceptable.

- 5 The work site shall always keep clean of unwanted materials, rubbish etc. and all necessary safety precautions for men & materials shall be taken by the contractor as per safety rules.
- 6 Tenders which are incomplete in any respect shall be rejected.

3. Terms of Payment, Guarantee and Completion.

3.1 Payment

3.1.1 The payment shall be made as under:

95% payment of the completed works shall be paid after satisfactory completion and on recommendation by the Engineers/officers concerned of the Bank. Balance 5% of the payment will be paid after satisfaction completion of the guarantee period.

3.1.2 50% advance of quoted value will be considered against bank guarantee or 50% advance of quoted value will be considered against 80% of work completed and recommendation of Regional Manager.

3.2 Guarantee

The contractor shall guarantee that all equipment shall be free from any defect and the equipment shall operate satisfactorily and that the performance and efficiency of the equipment shall not be less than the guaranteed values. The guarantee shall be valid for a minimum period of one year from the date of completion. Any party found defective during the guarantee period shall be rectifies/replaced bythe contractor free of cost to the Bank. The prompt service of the contractor for such works shall be make available free of cost to the Bank.

3.3 Completion time.

3.3.1 The work covered by the contract shall be commenced and executed in accordance with the schedule within 120 days from the date of award of work.

3.3.2 Extension of Time

If the contractor shall desire extension of the time for completion of the work on the grounds of his having been unavoidably hindered in its execution or on any other grounds, he shall apply in writing to the Bank who reserves the right to decide on the matter.

4. Inspection and testing

Assistant Engineer/ Engineer or authorized representative shall have all powers to inspect any portion of the work, examine the materials and workmanship at the contractor"s work at any stage.

4.1 Rejection of defective equipment and materials.

If any portion of material before it is taken over found defective or fails to fulfill the extend of the requirement, the contractor shall on receipt of a written notice from the Bank forthwith to replace the defective materials within a stipulated period mentioned in the written notice or replace the equipment at no extra cost to Bank. Any damage caused during the transit, testing etc. shall be made good by the contractor without any extra charges to the bank.

5. Bye-Laws

The Contractor shall comply with Bye-laws and regulations of local and statutory authorities having jurisdiction over the work and shall be responsible for payment of all necessary notices and keep the Bank informed of the said compliance with Bye-laws, payment made, notices issued and received.

6. Cancellation of contract and alternative arrangement for effecting the supply/executing the work.

In case of the failure of the contractor to keep up to the executing and delivery schedules and if in spite of written notice given to him by the Bank he falls to improve his rate of performance of work within reasonable period there after (one week) the Bank can terminate the contract immediately without any legal notice and there after the Bank shall have every right to get the work completed through other agency/agencies at the risk and cost of the contractor. Further any loss or extra cost in this regard will be deducted from any amount due to the contractor.

7. Arbitration

Arbitration shall not be a means of settlement or disputes or claims arising out of this contract relating to the work. In case of any dispute or difference between the parties of the contract, either during or after the completion of the work or after termination or breach of contract, or as to the interpretation of the provisions of the contract or as to any matter of thing arising there under except as to any matter left to the discretion of the bank under the clauses of the contract, such dispute or difference shall bereferred to the arbitrator.

Any disputes which May arise between contractor and the bank under this agreement shall be referred to arbitration as per arbitration clause as contemplated under the Kerala Co-operative Societies Act 1969. All decision and award of the arbitrator shall be final and binding on the contractor and the bank.

8. EXTRA ITEMS AND ADDITIONS

8.1. Power to make alternations:

The Bank shall have the power to make in writing any alterations, omissions, additions or substitutions for original specifications, drawings, designs, [patterns and instructions that may appear to him, necessary or advisable during the progress ofthe work and the contractor shall bound to carry out the work in accordance with any instructions which may be given to him by the Bank or representative. Such omissions, additions alterations or substitutions shall not invalidate the contract. Any altered, additional or substituted work, which the contractor May be directed to do in the manner specified above as part of the work shall be carried out by the contractor on the same conditions in all respect on which the main work was agreed to be done. Addition to existing items and quantities will not constitute an extra item. The agreed rates for all item shall remain unchanged till the completion of the contract.

8.1.1 Noalternations, omissions, amendments, additions, substitutions or deviations of the work under the contract as shown by the contract, drawings of the specifications shall be made by the contract except as directed in writing by the Bank.

8.1.2 Rates for additional items.

- a) The rates for additional, altered or substituted work if directly available in the contract for the work, the contractor shall be bound to carry out the work at the same rate as are available in the contract for the work.
- b) If the rates for the additional, altered or substituted work are not directly available in the contract for the work, the rates for a similar class of work as specified in the contract shall be worked out and agreed mutually.
- c) In the absence of any agreed rate or similar item in the contract, the rate for the extra item of work shall be mutually agreed based in the evaluation of cost and other charges, if ascertained from the PWD schedule of rates or local market rate.

9. SITE INSPECTION

Before submission of offer, the bidders are advised to inspect the site of work and the environments and be will acquainted with the actual working and other prevalent conditions, facilities available, position of material and labour, means of transport and access to Site, our office area and working hours etc. No claim will be entertained later on the grounds of lack of knowledge of any of these conditions.

10. SCOPE OF WORK

10.1. Detailed works required for the project was mentioned in the BOQ (Bill of Quantities)

10.2Liquidated damages

If the contractor does not complete the work order this as per specifications and time schedule for reasons entirely attributable to the contractor, penalty will be imposed by KSCB Ltd at the rate of 1% (one percentage) of the total cost for each week delay subject to a maximum of 5%(five percentage) of the total cost. After KSCB Ltd will have the rights to cancel the order if delay exceeds three months.

The scope work shall also include all civil works associated with erection of the equipment and making good and painting the civil works as required. The Contractor shall include for the supply of entire materials in accordance with this specification and the whole of the work and fixing necessary for the complete

Installation as set down in his specification and with the accompanying schedule.

11. TECHNICAL SPECIFICATIONS

11.1.General

KSCB LTD requires that all goods and materials to be used in the works are new, unused, or the most recent or current models and incorporate all recent improvements in design and material. Only the KSCB"s requirements and design brief are specified in the following section. These are not restrictive. The Bidder shall carry out, and be responsible for, the design of the Works. The bidder is required to examine and check the specifications included in the Bid documents to confirm their correctness in its bid and to assume full responsibility for them. The contractor has to draft, the technical specification standards for goods, materials and workmanship with recognized codes and standards.

The intent of the Technical Specification is to ensure that the equipment and the work shall fully comply with and conform to the relevant Bureau of Indian Standard Specifications, Standard Building codes of practice, Indian Electricity Act, Indian Electricity Rules and other Statutory Regulations, and other standards as may be applicable and to the best available standards of engineering, design workmanship. The equipment and work shall perform in manner acceptable to KSCB Ltd who shall interpret meaning of the applicable Specifications/ Codes and shall have the right to reject any equipment of work, which, in their assessment, is not complete to meet the standard/Code.

12. DOCUMENTS TO BE SUBMITED ONLINE AND SPECIALTERMS AND CONDITION for Evaluating Technical Eligibility of the Bidder.

Bidder May go through the below mentioned terms and condition and submit the same Via. Technical bid of the project.

Bidder must be empaneled vendor of Scheduled commercial banks/Small finance banks/Co-operativeBanks/NBFCs/RegisteredPWD/LSGDContractor/Registered Firm and

- 1. Should be well experienced in similar work execution of retail bank branches and proof of the work to be enclosed as part of experience.
- 2. Should have capability of executing all items mentioned in the scope of works as per attached BOQ.
- 3. Work Order copy of
- a. One project from last 3 years of value not less than 2.5 crore required with carpentry, electrical, air conditioning and networking works awarded to contractor
- b. Two projects from last 3 years of value not less than one crore required with carpentry, electrical, air conditioning and networking works awarded to contractor.
- c. Three projects from last 3 years of value not less than 50 lakhs required with carpentry, electrical, air conditioning and networking works awarded to contractor.

'a'or'b'or'c' shallbesubmittedalongwiththetenderdocuments

- 4. Performance Certificate not earlier than 3 years from scheduled commercial banks for value 50 lakhs or above need to be submitted along with tender
- 5. Water, electricity, accommodation or labour and storage of materials shall be arranged by vendor and the cost for the same need to be factored in the quotation.
- 6. In case the rates quoted is found to be very low than the estimated amount, the bank reserves right to submit additional security deposit by vendor.
- 7. There shall be regular inspection and checking for quality of material and workmanship.
- 8. Sample of all materials to be approved by architector engineer in charge.
- 9. If during inspection any material/ workmanship are found deviating from quality standards, vendor shall be liable to redo the entire work at their own cost up to the satisfaction of engineer in charge/architect.

- 10. The project shall be completed within 120daysfromdate of issue of Work Order
- 11. Late delivery charges of 1% per week shall be applicable after 60 days and in case project is late beyond control bank reserves right to cancel the work order and assign the work to another vendor.
- 12. Bank reserves right to add or subtract the scope of work during execution. Some items may be taken over by bank for own execution as per discretion of engineer in charge or architect.

Sd/-Regional Manager, Thrissur Regional Office Kerala State Co-operative Bank

PRELIMINARY AGREEMENT

(tobeexecutedonstampperRs.200/-)

	Preliminary	Agreement	entered	into	on th	iis
				day	1	of
			Two	Thousand a	nd Twenty Fiv	/e
between C	General Managei	r (Thrissur Regior	n) for and on be	ehalf of the K	Cerala StateCe	0-
	operativeBank	Ltd.(hereinafterca	alledfortheBank	k)oftheonepa	art and Sri./ M	/s
	'			,		
					r full name ar	nd
address of		einafter called the	bidder of the	`		
	,	ell as for the		•		
•	•	TED WORKS,				
		RNISHING, ELEC				
		LA BANK LIMIT				
		State co operative	,		coming und	σı
	•	invited tenders for		_		
VVII	ere as the bank	invited tenders to	i lile work or as		•••	
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	dtd.			in	τn	e

And where as para of the Notice inviting tenders stated as follows.

Before commencing work or within a week after the date when the award of the tender has been intimated to him, the bidder shall deposit a sum sufficient to make up to the balance of 5 percent of the probable value of contract which together with the amount of earnest money deposited shall be treated as security for the fulfillment of the same and shall execute an agreement for the work in the specified form. If he fails to do this or in the case of contract maintain a specified rate of progress (to specified in each case the tender schedule) the earnest money and security deposit shall be forfeited and fresh tenders shall be called for or the matter otherwise disposed off. If as a result of such measures due to the default of the bidder to pay the requisite deposit, sign contract or take place possession of the work, any loss to Bank due to the same will be recovered from him as areas of revenue, but should it be a saving to Bank. The original bidder shall have no claim whatever to the difference. Recoveries on this or any other account will be made from the sum that may be due to the bidder on this or any or other subsisting contracts or under the Revenue Recovery act otherwise the Bank may decide.

NOW THEREFORE IN THE PRESENCEOFWITNESS it is mutually agreed as follows

The terms and conditions for the said contract having been stipulated in the said tender form to which the bidder has agreed a copy of which is here to be appended which forms the part of this agreement, it is agreed that the terms and conditions stipulated therein shall bind the parties to this agreement except to the extent to which they are abrogated or altered by express terms and conditions herein agreed to and in which respect the express provisions herein shall supersede those of said tender form.

The bidder hereby agreed and undertake to perform and fulfill all the operations and Obligations connected with the execution of the said contract work "BUILDING RETROFITTING & RELATED WORKS, FACADE & RELATED CIVIL WORKS, BRANCH INTERIOR FURNISHING, ELECTRIFICATION & AIR CONDITIONING WORKS OF M/S KERALA BANK LIMITED, VALANJAMBALAM coming under Thrissur Region of KSCB Ltd." (Hereinafter the name of the work) if awarded in favour of the bidder.

If the bidder does not come forward and to execute the original agreement after the said work is awarded and selection notice issued in his favour or commits breach of any of the conditions of the contract as stipulated in clause of the notice inviting tenders as quoted above, within the period stipulated then the Bank may rearrange the work otherwise or get it done directly at the risk and the cost of the bidder and the loss so sustained by the bank can be realized from the bidder under the Revenue Recovery Act as if arrears of land revenue as assessed quantified and fixed by and adjudicating authority consisting of the bank) Assistant Engineer or any other officer or officers authorized by Bank in behalf, taking into consideration the prevailing PWD rates and after giving due notice to the bidder. The decision taken by such authority officer or officers shall be final and conclusive and shall be binding on the bidder.

The Bidder further agrees that any amount found due to the Bank under or by virtue of this agreement shall be recoverable from the bidder from his EMD and his properties movable and immovable as arrears of Land Revenue under the provision of the Revenue Recovery Act for the time being in force or in any other manner as the Bank deem fit in this regard.

The Bidder further assures that it is clearly understood that the settlement of claims either by part bills or by final bills will be made with the officer in charge of the work under the respective heads of account in which the work is sanctioned and arranged and also subject to the seniority of such bills. No calms for interest or for damages whatsoever shall be made for the related settlement of claims of bills.

IN WITNESS THERE OFSri
Bank/Authorized officer of the Bank) for on behalf of the Kerala State Co-operative Bank Ltd. and
the bidder have set their hand on the day and year first above written
Signed by(Sri (officer/officers o f the Bank)
In the presence of witness:
1
2
Signed and delivered by(bidder)in the presence of
1
2

$\frac{\texttt{TENDERACCEPTANCELETTER}}{(\texttt{Tobegiven on Company Letter Head})}$

То,	Date:
	- -
Sub: Acceptance	eofTerms&ConditionsofTender
Tender Reference No	:
Name of Tender/Work	K:
DearSir,	
	nloaded/obtained the tender document(s) for the above Work" from the web site(s) namely:as per your advertisement, entioned website(s).
the tender documen like Tender docur	rtify that I / we have read the entire terms and conditions of its from Page Noto(including all documents ment(s),BOQ(s),etc.), which form part of the contract e shall abide hereby the terms/conditions/clauses contained
organization too havacceptance letter. 4. I/We hereby unco	m(s) issued from time to time by your department/ we also been taken into consideration ,while submitting this anditionally accept the tender conditions of above mentioned s)/corrigendum(s) in its totality /entirety.
	eclare that our Firm has not been black listed/debarred by nt/Public Sector undertaking.
the event that the in then your departme therefore or summar	all information furnished by our Firm is true & correct and in formation is found to be incorrect / untrue or found violated, ent / organization shall without giving any notice or reason rily reject the bid or terminate the contract, without prejudice or remedy including the forfeiture of the full said Earnest blutely.
Yours Faithfully, (Signature of the Bi	idder,withOfficialSeal)

Signature of the BidderPage 21

Bidder'sProfile

1	Name of the Bidder/Firm	
2	Name & Designation of the person submitting the Tender	
3	Address of the Firm	
4	Mobile &Land Line Nos.	
5	Registration & incorporation partice (Please attach attested copies of documents competent authority as required under busine	of registration/incorporation o fthe firm with the
6	Name of Proprietor/Partners/Directors	
7	Bidder"sBank Name and Account Numbers	
8	Permanent IncomeTax No.& IncomeTaxCircle (Please attach a copy of PANCard/valid NOC certificate)	
9	GST Registration No. (Please attach a copy of Registration Certificate)	

I/We hereby declare that the information nfurnished above is true and correct.

Place:Thrissur Signature of Bidder/Authorized Signatory

Date: Name of the Bidder

LIST OF APPROVED MAKES - CIVIL &INTERIOR

	LIST OF APPROVED MATERIALS & APP	PROVED BRANDS FOR CIVIL AND INTERIOR WORKS
	Material	Approved brands
	Civil Items	
1	Cement	ACC 1. ACC Suraksha Power 2. ACC Gold Water Shield 3. ACC F2R Superfast 4. ACC HPC Long Life 5. ACC Concrete+ Xtra Strong JK Lakshmi Cement Ltd 1. COC 2. PPC 3. Sixer 4. HDP 5. PHDP 6. Platinum 7. PSC 8. PRO Plus
		UltraTech Cement Limited 1. UltraTech Premium, Composite Cement 2. UltraTech Weather Plus, Composite Cement 3. UltraTech Weather Plus, Portland Pozzolana Cement 4. UltraTech, Composite Cement 5. UltraTech, Portland Pozzolana Cement Dalmia Cement 1. Vajram Cement - Portland Pozzolana Cement
		(PPC) JSW Cement Ltd 1. portland Slag Cement 2. Composite Cement
2	Ready Mixed Concrete	ACC:
_		ACC ECOPACT ACC Feathercrete ACC Fillcrete ACC Flowcrete ACC Permicrete ULTRATECH: Ultratech Duracon Ultratech Flowfill Ultratech Free flow Ultratech Hypercon

3	Aerocon Block	Ultra Tech 1. Extralite- AAC Blocks JK Lakshmi Cement Ltd 1.JK Smartblox Godrej 1. Tuff Blocks JVS Comatsco Industries Pvt. Ltd 1. Ecolite AAC Blocks KD Infra 1. Brikolite AAC Block
		UAL Industries Ltd 1.KON_CRETE AAC blocks UltraTech Cement Limited 1. Xtralite - AAC Blocks Zuari Cement Limited 1. Super lite- AACblocks
4	Waterproofing	Pedilite /Roff
5	SS Sink	Nirali
6	Sanitarywares & Faucets	
6.1	Pillar cock	Jaguar Use Jaquar Make with model no. 021KNG with flow rate of 2.5 LPM @ pressure of 3 Bar. Pl note Suffix G in model no. is critical to get desired flow rate. Cera F2013101- FOUNTAIN - Pillar cock with aerator F1001101- PLATINUM - Pillar cock with aerator F1015101-VICTOR - Pillar cock with aerator
6.2	Sink cock	Jaguar Use Jaquar Make and same model with Suffix GD (like 349 KNGD) with flow rate of 3.8 LPM @ pressure of 3 Bar. PI note Suffix GD in model no. is critical to get desired flow rate. Cera F1016251-CHELSEA - Sink cock (wall mounted) with 200 mm (8") long swivel spout and wall flange F1002251 - CARBON - Sink cock (wall mounted) with 150 mm (6") long swivel spout and aerator F2013251 - FOUNTAIN - Sink cock (wall mounted) with 150 mm (6") long swivel spout and aerator

6.3	Two way bib cock	Jaguar Use Jaquar Make with model no. 043NG with flow rate of 2.5 LPM @ pressure of 3 Bar. Pl note Suffix G in model no. is critical to get desired flow rate. Cera F2013163-FOUNTAIN - 2-way Bib cock with single handle and wall flange F1003161- TITANUM - 2-Way bib cock with wall flange and aerator
6.4	Angle cock	Jaguar : CON-CHR-059KN Hindware : F200005CP :Classik Angular Stop Cock
6.5	Concealed stop cock	Jaguar : CON-CHR-083FTK Hindware : F200007CP : Classik Concealed Stop Cock- 15 / 20 mm
6.6	Urinal - Flush Valve	Jaguar Use Jaquar Make with model no. 077G with flow rate of 1.5 LPF. PI note Suffix G in model no. is critical to get desired flow rate. Cera - F9020203: Self closing angle cock pressmatic for urinal with wall flange and 200 mm connecting pipe
6.7	Tower rail (450 mm)	ACN-1111BNM
6.8	Towel ring	ACN-CHR-1121N
6.9	Soap dispenser	ACN-CHR-1135N
6.1	Toilet roll holder	ACN-CHR-1153S
6.11	Hook	ANC-1161N
6.12	Jet spray	Jaguar Use Jaquar Make with model no. 565GA with flow rate of 6 LPM @ pressure of 3 Bar. PI note Suffix GA in model no. is critical to get desired flow rate. Cera F8030101 / F8030102 / F8030103 / F8030104AB /F8030105AB / F8030109AB - Health Faucet ABS body with 1 meter SS braided connection pipe
6.13	Waste coupling	ACD-709
6.14	Bottle trap	ACD-769L300x190
6.15	Connector pipe	ACD-805B
6.16	SS Sink	Nirali - Grace plain - Small (485mm x 410mm) glossy

6.17	Water Closet With Cistern	Cera S1021103 + S1060101 - Calibre deluxe ewc-S + Calibre cistern S1021104 + S1060104 - Callaghan two pc ewc-S + Callaghan cistern S1013110 - Campbell one pc ewc-S 110 mm S1021120 + B1020105 - Curtis two pc ewc-S S1021113 + S1060106 - Cruse two pc ewc-S S1041105 - Compact wall hung S1031111 + B1020105 - Curtis wall hung with Curtis PVC Cistern S1021132 + S1060122 - Cimberly two piece Water closet-S trap with Cimberly cistern Hindware Cleo - S-190/220 ESSENCE - 92051 ENIGMA SLIM 92502 ELEMENT 92081
6.18	Wall mounted / Table top Wash basin	Hindware - Compac 10004 / Cleo 10012 WHITE CERA Wash basins - CHIME S2040139 / CAMMY : S2090127 / CORBA : S2020104
6.19	Urinal	CERA Sanitaryware - URINAL Urinal Flat Back with integrated EFS 360 x 330 x 740 mm (S4010101) Hindware : 60020 : FB- Eureka Standard Urinal
6.2	Under counter wash basin	Hindware Round 10065 / Zen 10049 WHITE / Cera
7	PVC/ CPVC/UPVC pipe	Astral / Prince / Precision
8	Anti Termite	PCI / Hicare
	Flooring	
9	Tiles	Somany/ Simpolo / Kajaria / Johnson
	Carpentry Items	
10	Marine Plywood IS 710 Plywood with "Free of Urea Formaldehyde"	Century, Green Ply, Archid
11	Partition Framework	Aluminium sections / India Gypsum : GI METAL FRAME PARTITION SYSTEM
12	Gypsum Board	Gyproc Saint Gobin : Gypboard Plain Gypboard Fireline Board India Gypsum : Regular Gypsum Board Fire Resistance Gypsum Board USG Boral :
13	Flush Door	Century, Green Ply, Archid
14	Laminate	Century, Green lam, Merino, Archid

15	Adhesive For Wood	Fevicol SH /Vamicol
16	Rubberized Adhesive	Fevicol SR / Fevicol Heatx / Ezee Spray / SR-998
17	Clear Float Glass, Toughened glass	Saint Globain /Asahi/modiguard
18	Back Painted Glass	Saint Globain Asahi/Modiguard
19	Full glazed toughened glass partition	Saint Globain/Asahi / Modiguard
20	Acrylic Solid surface	LG/Samsung/Dupont/Infini/ Granium
21	Roller Blinds	Vista
22	Fire Rated Door	Kenwood / Promat
23	Aluminium Composite Panel	Eurobond
	Ceiling	
25	Gypsum Ceiling	Gyproc Saint Gobin: Gypboard Plain Gypboard Fireline Board India Gypsum: Regular Gypsum Board Fire Resistance Gypsum Board
		USG Boral : Sheetrock Gypsum Board Firebloc Board
26	Center table , Coffee table.	As approved by bank/consultant
27	Lounge seating / Sofas / Waiting Area Chair	As approved by bank/consultant
	Hardware Items	
28	Aluminum Section	Jindal / Hindalco / Nalco
29	Floor Springs	Dorma/ Hafele / Ozone / Enox
_~	. 5	
30	Door Closer	Dorma - Sap code: 66400101 Description: TS 68 Door Closer with Std Arm EN 2/3/4 Silver / Ozone / Enox
		Dorma - Sap code: 66400101 Description: TS 68 Door Closer with Std Arm EN 2/3/4 Silver / Ozone / Enox Dorma - Sap Code: 9113304: Description Door Stop half dome 45mm dia / Ozone / Enox
30	Door Closer	Dorma - Sap code: 66400101 Description: TS 68 Door Closer with Std Arm EN 2/3/4 Silver / Ozone / Enox Dorma - Sap Code: 9113304: Description Door Stop
30	Door Closer Door Stopper	Dorma - Sap code: 66400101 Description: TS 68 Door Closer with Std Arm EN 2/3/4 Silver / Ozone / Enox Dorma - Sap Code: 9113304: Description Door Stop half dome 45mm dia / Ozone / Enox Dorma - Sap Code: 9112181 : Description: Magnetic
30 31 32	Door Closer Door Stopper Magnetic Door Holder	Dorma - Sap code: 66400101 Description: TS 68 Door Closer with Std Arm EN 2/3/4 Silver / Ozone / Enox Dorma - Sap Code: 9113304: Description Door Stop half dome 45mm dia / Ozone / Enox Dorma - Sap Code: 9112181 : Description: Magnetic Door Holder,satin chrome finish / Ozone / Enox Dorma - Sap code: 9125510 Description: TGD D 350
30 31 32 33	Door Closer Door Stopper Magnetic Door Holder Glass Handles	Dorma - Sap code: 66400101 Description: TS 68 Door Closer with Std Arm EN 2/3/4 Silver / Ozone / Enox Dorma - Sap Code: 9113304: Description Door Stop half dome 45mm dia / Ozone / Enox Dorma - Sap Code: 9112181 : Description: Magnetic Door Holder,satin chrome finish / Ozone / Enox Dorma - Sap code: 9125510 Description: TGD D 350 X 25 S, Satin SS 304 / Ozone / Enox Dorma - Sap code: 9120855 Description: 706 Dead Lock, 55mm Backset , SSS, Escutcheons - 01 Pair,
30 31 32 33 34	Door Closer Door Stopper Magnetic Door Holder Glass Handles Dead Lock (for Flush Door)	Dorma - Sap code: 66400101 Description: TS 68 Door Closer with Std Arm EN 2/3/4 Silver / Ozone / Enox Dorma - Sap Code: 9113304: Description Door Stop half dome 45mm dia / Ozone / Enox Dorma - Sap Code: 9112181: Description: Magnetic Door Holder,satin chrome finish / Ozone / Enox Dorma - Sap code: 9125510 Description: TGD D 350 X 25 S, Satin SS 304 / Ozone / Enox Dorma - Sap code: 9120855 Description: 706 Dead Lock, 55mm Backset , SSS, Escutcheons - 01 Pair, EPC TTK Key -60mm Qty / Ozone / Enox Dorma - Sap code: 9120855 Description: 706 Dead Lock, 55mm Backset , SSS, Escutcheons - 01 Pair, One Side Tumb Turn Other side Coin Privacy Key -60mm
30 31 32 33 34	Door Closer Door Stopper Magnetic Door Holder Glass Handles Dead Lock (for Flush Door) Dead Lock (for Toilet Door)	Dorma - Sap code: 66400101 Description: TS 68 Door Closer with Std Arm EN 2/3/4 Silver / Ozone / Enox Dorma - Sap Code: 9113304: Description Door Stop half dome 45mm dia / Ozone / Enox Dorma - Sap Code: 9112181: Description: Magnetic Door Holder,satin chrome finish / Ozone / Enox Dorma - Sap code: 9125510 Description: TGD D 350 X 25 S, Satin SS 304 / Ozone / Enox Dorma - Sap code: 9120855 Description: 706 Dead Lock, 55mm Backset , SSS, Escutcheons - 01 Pair, EPC TTK Key -60mm Qty / Ozone / Enox Dorma - Sap code: 9120855 Description: 706 Dead Lock, 55mm Backset , SSS, Escutcheons - 01 Pair, One Side Tumb Turn Other side Coin Privacy Key -60mm / Ozone / Enox Dorma - sap code 9117214 / Description: BB4330, 5 Kn uckle, 2 Ball bearing butt hinges. Size: 4" x 3" x
30 31 32 33 34 35	Door Closer Door Stopper Magnetic Door Holder Glass Handles Dead Lock (for Flush Door) Dead Lock (for Toilet Door) Door Hinges - Brass	Dorma - Sap code: 66400101 Description: TS 68 Door Closer with Std Arm EN 2/3/4 Silver / Ozone / Enox Dorma - Sap Code: 9113304: Description Door Stop half dome 45mm dia / Ozone / Enox Dorma - Sap Code: 9112181: Description: Magnetic Door Holder,satin chrome finish / Ozone / Enox Dorma - Sap code: 9125510 Description: TGD D 350 X 25 S, Satin SS 304 / Ozone / Enox Dorma - Sap code: 9120855 Description: 706 Dead Lock, 55mm Backset , SSS, Escutcheons - 01 Pair, EPC TTK Key -60mm Qty / Ozone / Enox Dorma - Sap code: 9120855 Description: 706 Dead Lock, 55mm Backset , SSS, Escutcheons - 01 Pair, EPC TTK Key -60mm Qty / Ozone / Enox Dorma - Sap code: 9120855 Description: 706 Dead Lock, 55mm Backset , SSS, Escutcheons - 01 Pair, One Side Tumb Turn Other side Coin Privacy Key -60mm / Ozone / Enox Dorma - sap code 9117214 / Description: BB4330, 5 Kn uckle, 2 Ball bearing butt hinges.Size: 4" x 3" x 3mm Grade SS 304 - Fin ish SSS / Ozone / Enox
30 31 32 33 34 35 36	Door Closer Door Stopper Magnetic Door Holder Glass Handles Dead Lock (for Flush Door) Dead Lock (for Toilet Door) Door Hinges - Brass Cabinet Handles Shutter Hinges Latch	Dorma - Sap code: 66400101 Description: TS 68 Door Closer with Std Arm EN 2/3/4 Silver / Ozone / Enox Dorma - Sap Code: 9113304: Description Door Stop half dome 45mm dia / Ozone / Enox Dorma - Sap Code: 9112181: Description: Magnetic Door Holder,satin chrome finish / Ozone / Enox Dorma - Sap code: 9125510 Description: TGD D 350 X 25 S, Satin SS 304 / Ozone / Enox Dorma - Sap code: 9120855 Description: 706 Dead Lock, 55mm Backset , SSS, Escutcheons - 01 Pair, EPC TTK Key -60mm Qty / Ozone / Enox Dorma - Sap code: 9120855 Description: 706 Dead Lock, 55mm Backset , SSS, Escutcheons - 01 Pair, One Side Tumb Turn Other side Coin Privacy Key -60mm / Ozone / Enox Dorma - sap code 9117214 / Description: BB4330, 5 Kn uckle, 2 Ball bearing butt hinges.Size: 4" x 3" x 3mm Grade SS 304 - Fin ish SSS / Ozone / Enox Kitch / Ozone / Enox Haffele / Ozone / Enox Haffele / Ozone / Enox
30 31 32 33 34 35 36 37 38	Door Closer Door Stopper Magnetic Door Holder Glass Handles Dead Lock (for Flush Door) Dead Lock (for Toilet Door) Door Hinges - Brass Cabinet Handles Shutter Hinges	Dorma - Sap code: 66400101 Description: TS 68 Door Closer with Std Arm EN 2/3/4 Silver / Ozone / Enox Dorma - Sap Code: 9113304: Description Door Stop half dome 45mm dia / Ozone / Enox Dorma - Sap Code: 9112181: Description: Magnetic Door Holder,satin chrome finish / Ozone / Enox Dorma - Sap code: 9125510 Description: TGD D 350 X 25 S, Satin SS 304 / Ozone / Enox Dorma - Sap code: 9120855 Description: 706 Dead Lock, 55mm Backset , SSS, Escutcheons - 01 Pair, EPC TTK Key -60mm Qty / Ozone / Enox Dorma - Sap code: 9120855 Description: 706 Dead Lock, 55mm Backset , SSS, Escutcheons - 01 Pair, One Side Tumb Turn Other side Coin Privacy Key -60mm / Ozone / Enox Dorma - sap code 9117214 / Description: BB4330, 5 Kn uckle, 2 Ball bearing butt hinges.Size: 4" x 3" x 3mm Grade SS 304 - Fin ish SSS / Ozone / Enox Kitch / Ozone / Enox Haffele / Ozone / Enox

42	Door Lock	Dorma / Ozone / Enox
43	Drawer Lock	Hafele / Ozone / Vijayan / Godrej/ Enox
44	Pedestal Lock	Hafele / Ozone / Vijayan / Godrej / Enox
45	Storage Lock	Hafele / Ozone / Vijayan / Godrej/ Enox
46	Magnetic Ball Catch	Magnum / Palladium/ Enox
47	Aluminum Louvers	Jindal / Hindalco / Nalco/ Geeta / Enox
48	Screws	GKW / Enox
	Paint	
49	Acrylic Emulsion Paint	Berger / Dulux/Nippon Paints/ Surfa Coats India Limited / Asian
50	OBD/Enamel Paint	Berger / Dulux/Nippon Paints/ Surfa Coats India Limited / Asian

any deviation from the above specification may be made only with the approval of bank/ consultant

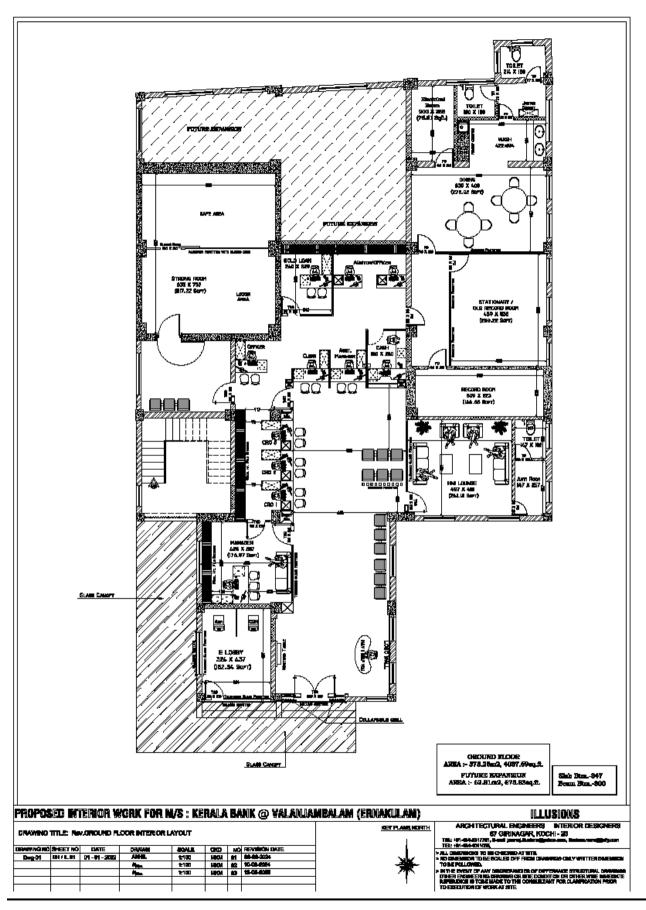
	LIST OF APPROVED MA	AKES FOR ELECTRICAL WORKS
SI N o.	Items/ Products	Name of Brand / Make
1	Automatic Transfer Switch (ATS)	VERTIV, APC, RIELLO, PILLER, EPI, SOCOMEC, GE, L&T
2	Automatic Voltage Regulators (AVR)/Servo-SCVS	AUTOMATIC ELECTRIC (AE), KRYKARD
3	BATTERIES	
а	Batteries: SMF	EXIDE, AMCO, PANASONIC, AMARARAJA
b	Batteries: Non-SMF	EXIDE, AMCO, PANASONIC, AMARARAJA
4	CABLES, END TERMINATIONS & ACCESSORIES	
а	Armoured HT Power Cable (PVC & XLPE)	UNISTAR,GLOSTER,POLYCAB,HAVELLS,RPG,TORR ENT,KEI,FINOLEX
р	Armoured LT Power Cable (PVC & XLPE)	UNISTAR, GLOSTER, POLYCAB, HAVELLS, RPG, CCI, TORRENT, KEI, FINOLEX, RALLISON V-GUARD, BONTON
С	Control Cable (PVC & XLPE), Special Purpose Cables & Instrumentation Cable	LAPP INDIA, GLOSTER, POLYCAB, HAVELLS, UNISTAR, RPG, CCI, TORRENT, FINOLEX, RALLISON
d	Telephone Cable	POLYCAB, HAVELLS, RPG, FINOLEX, LAPP, V-GUARD
е	PVC Wires (FRLS/ FRLSH / FR-ZH / FR- HR)	LAPP, FINOLEX, GLOSTER, ANCHOR, RR-KABEL, POLYCAB, V-GUARD
f	Cable Jointing Kits:HT/LT	RAYCHEM, M-SEAL [3M], DENSON, GEE SEAL
g	Cable Trays (FRP, Hot Dip GI / Electro Galvanised) (Perforated / Ladder / Wire Mesh)	CABLOFIL (LEGRAND), SUMIP COMPOSITES, PROFAB, SINTEX, INDIANA, OBO-BETTERMAN, PATNY SYSTEMS, L&T
5	Cable Management System/Underfloor Raceways	OBO BETTERMANN, LEGRAND, MK, CENTAUR, EUBIQ
6	DG SETS & CONTROLLER	
а	Diesel Engine for DG Sets	CROMPTON, VOLVO PENTA, CUMMINS, CATTERPILLAR, MITSUBISHI
b	LT Alternators for DG Sets	STAMFORD- AVK, LEUROY SOMER, TDPS,
С	HT Alternators for DG Sets	STAMFORD- AVK, CROMPTON GREAVES, LEUROY SOMER, TDPS
d	DG Set AMF Relay	CADEL/ SEGC (C&S)
е	PLCs Used for DG AMF Controls	SCHNEIDER/ SIEMENS/ FUJI/ ABB/ ALLEN BRADLEY
f	DG Set Controller/ Synchronising Relays	DEEPSEA, BERNINI, DIEF, WOODWARD
7	EARTHING, LIGHTNING PROTECTION & ACCESSORIES	

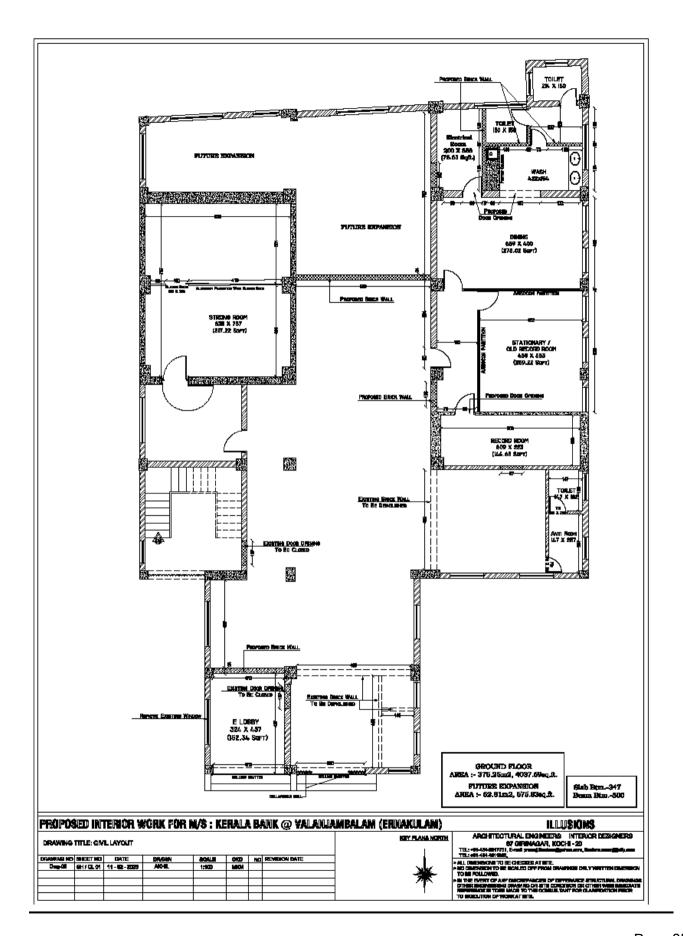
а	Maintenance-free earthing System	OBO BETTERMANN, CAPE ELECTRIC, ERICO, ASHLOK
b	Lightning Protection Accessories	OBO BETTERMANN, CAPE ELECTRIC, ERICO, DHEN
С	Exothermic Welding	OBO BETTERMAN, ERICO (GEM), CAPE ELECTRIC, JMV LPS
8	ELECTRICAL BUS DUCTS / BUSBAR TRUNKING SYSTEM	
а	Air Insulated Electrical Bus Ducts	CPRI APPROVED, PANEL BUILDERS
b	Sandwiched Busbar Trunking System	C&S ELECTRIC, LEGRAND, GE ENERGY, L&T, SCHNEIDER
9	FANS- CEILING/ EXHAUST/ WALL/ PEDASTAL	
а	Ceiling (Star Rated), Exhaust, Wall/ Pedestal Fans	USHA, ORIENT, KHAITAN, BAJAJ, HAVELLS, CROMPTON
b	BLDC Ceiling Fans	USHA, ORIENT, HAVELLS
С	Air Circulator Fans	ALMONARD, KHAITAN, BAJAJ, CROMPTON
10	FLAMEPROOF (FLP) LIGHTS & SWITCHGEARS	
а	Flameproof Luminaires (Including LED)/Controlgears	BALIGA, FCG, STAHL, FLEXPRO, BAJAJ, SUDHIR SWITCHGEAR
b	Flameproof Switchgear & Accessories	BALIGA, FCG, STAHL, FLEXPRO, SUDHIR SWITCHGEAR
11	FIRE ALARM & DETECTION SYSTEMS	
а	Fire Alarm/Smoke Detection System & Control Panels (FACP) & Aspiration System	RAVEL, SECUTRON, HONEYWELL, HOCHIKI, NOTIFIER, MORELEY, GODREJ&BOYCE
b	Flame proof Detection system	FFE LTD.
С	Gas Detectors, Gas Monitoring System	SUBTRONICS, AMBETRONICS, CROWCON
d	Linear Heat Sensing Cable (LHSC)	SECURITON, HONEYWELL, PATOL, CROWCON
12	FIRE PROTECTION SYSTEM	
а	Fire Resistant Coating (FRC)	VIPER, STANVAC, HILTI
b	Fire Stop Products	3M, HILTI, OBO BETTERMANN
13	Geysers (Star Rated)	CROMPTON GREAVES, JAGUAR, RACOLD, V- GUARD, JOHNSON, USHA
13	HRC FUSE & CARRIERS	
а	HRC Fuses	L&T, SIEMENS, GE, C&S, SCHNEIDER
b	HRC Fuse Base & Carriers	L&T, SIEMENS, GE, ABB, SCHNEIDER
14	HT LB PANELS/ VCBS	COUNTRIDED LOT ADD CIEMENO COCKETON
а	HT 11kV Panel with Vacuum Circuit Breakers (VCBs)	SCHNEIDER, L&T, ABB, SIEMENS, CROMPTON GREAVES
b	HT 11kV LBS Panel with with/ with out Metering	INTRANS/ RESITECH/ UNIPOWER/ UNITECH
15	HDPE/ DWC Pipes (for UG Cables)	GAMSON, DURA-LINE, REX POLYEXTR-USIONS
16	Junction Box /TJB/ Switch box & Distribution Boards (Thermoplastic/ Polycarbonate/FRP/GRP/SMC/SS) LIGHT FIXTURES & ACCESSORIES	HENSEL, SPELSBERG, BCH-ELECTRIC, ABB, SINTEX, FIBOX, PUSTRON, SAFY BOX

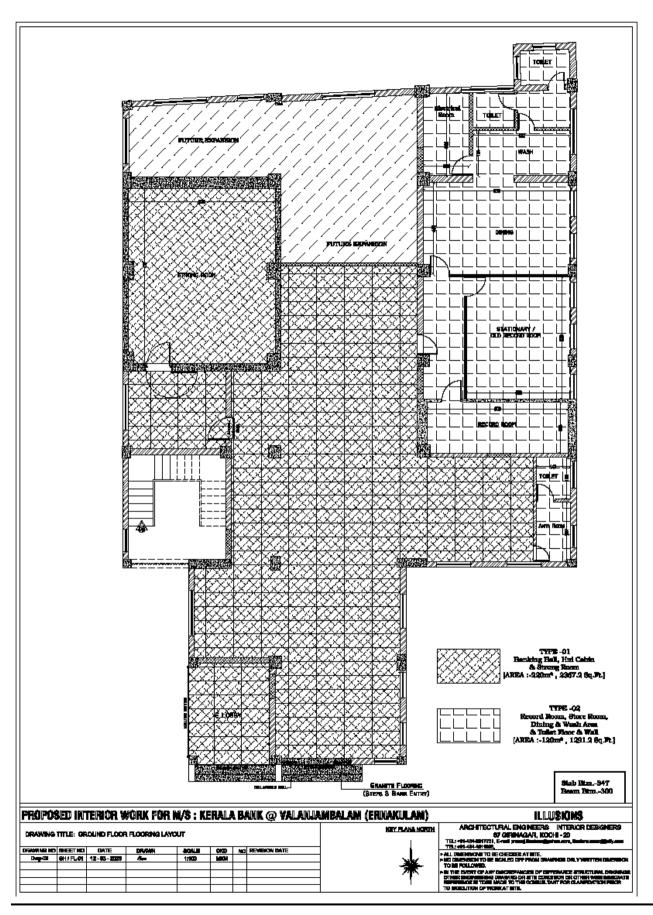
Light fittings (Outdoor applications only)# K-LITE	а	Light fittings (Indoor)#	PHILIPS, WIPRO, OSRAM,BAJAJ, HAVELLS, CROMPTON GREAVES, LIGHTING TECHNOLOGIES
##LEDS SHALL BE OF NICHIA, CHEE, OSRAM, PHILIPS LAMILEDS, CITIZEN & SECUL SEMICONDUCTORS MAKE ONLY SEMICONDUCTORS MAKE ONLY PHILIPS, BAJAJ, TATA POWER, OR ANY MNRE APPROVED VENDOR IN CURRENT YEAR d Emergency Light Fittings with self-contained Batteries e Lamps, Controlgears & Accessories PHILIPS, EVEREDY, WIPRO BLIGHTING MANAGEMENT SYSTEM & CONTROL a Lighting Management System b Lighting Control Sensor Lighting Control Sensor HONEYWELL, SCHNEIDER, LUTRON, PHILIPS, HONEYWELL, WIPRO, LEGRAND, HONEYWELL, SCHNEIDER, LUTRON, WIPRO, PHILIPS, EVEREDY, WIPRO, LEGRAND, HONEYWELL, SCHNEIDER, LUTRON, WIPRO, PHILIPS, LEGRAND, HONEYWELL, SCHNEIDER, LUTRON, WIPRO, PHILIPS, LEGRAND, SCHNEIDER, ABB, GE, SIEMENS, LEGRAND, SIEMENS, ABB, SREEEM 10 LT SWITCHGEARS / BREAKERS a Miniature Circuit Breakers (MCBs) & LEGRAND, SCHNEIDER, ABB, GE, SIEMENS, LEGRAND, SIEMENS, LEGRAND, SCHNEIDER, ABB, GE, INDO ASIAN, SIEMENS, LEGRAND, SIEMENS, LEGRAND b Earth Leakage Circuit Breakers (RCBO/RCCBs) C MCCBs and ACBs SCHNEIDER, L&T, ABB, SIEMENS, LEGRAND c Changeover Switches g MV Switch fuse units & Isolators C Changeover Switches a Measuring Instruments (Analog & Digital meters, Data Loggers & Event Recorders) b Single & Three phase Energy Meters C SCHNEIDER, L&T, ABB, SIEMENS, CIRCUTOR, L&T ABB, SIEMENS, KIRLOSKAR, NGEF, CROMPTON, BHARAT BIJLEE L&T, ABB, SIEMENS, SCHNEIDER, BCH, CROMPTON BHARAT BIJLEE L&T, ABB, SIEMENS, CROMPTON, ALLEN BRADLEY, SCHNEIDER C Soft Starters d Variable Speed Drives ABB, SIEMENS, SCHNEIDER, LET, HITTACHI 23 POLES a Streetlight Pole (Decorative/Special) BAJAJ, K-LITE, TRANSRAIL LIGHTING	b	Lishufui an (Ostala a santisatisa santisati	CROMPTON GREAVES, LIGHTING TECHNOLOGIES,
Solar Street light (Standalone) d Emergency Light Fittings with self-contained Batteries e Lamps, Controlgears & Accessories PHILIPS, EVEREDY, WIPRO BHILIPS, EVEREDY, WIPRO PHILIPS, WIPRO, OSRAM,BAJAJ, HAVELLS, CROMPTON GREAVES LIGHTING MANAGEMENT SYSTEM & CONTROL a Lighting Management System b Lighting Control Sensor Lighting Control Sensor Fillips, LEGRAND, HAGER LIT Power Capacitors SCHNEIDER, LUTRON, PHILIPS, HONEYWELL, WIPRO, PHILIPS, LEGRAND, HAGER Miniature Circuit Breakers (MCBs) & Distribution Boards Earth Leakage Circuit Breakers (RCBO/RCCBs) C MCCBs nd ACBs MCCBs nd ACBs MCCBs nd ACbs I Air-break Power / Control Contactors MEASURING Instruments (Analog & Digital meters, Data Loggers & Event Recorders) MEASURING Instruments (Analog & Digital meters, Data Loggers & Event Recorders) MEASURING Instruments (Analog & Digital meters, Data Loggers & Event Recorders) B Single & Three phase Energy Meters C Soft Starters C Soft Starters ABB, SEIMENS, SCHNEIDER, MECO, CIRCUTER, AE, SECURE, ELMEASURE, RISHABS, KIRLOSKAR, NGEF, CROMPTON, BHARAT BIJLEE L&T, ABB, SIEMENS, SCHNEIDER, BCH, CROMPTON, ABB, SEIMENS, SCHNEIDER, BCH, CROMPTON ABB, SEIMENS, SCHNEIDER, BCH, CROMPTON, ABB, SEIMENS, SCHNEIDER, BCH, CROMPTON BAJAJ, K-LITE, TRANSRAIL LIGHTING 23 POLES a Streetlight Pole (Decorative/Special) BAJAJ, K-LITE, TRANSRAIL LIGHTING		Light fittings (Outdoor applications only)#	PHILIPS LUMILEDS, CITIZEN & SEOUL
Batteries PHILIPS, EVEREDY, WIPRO Lamps, Controlgears & Accessories PHILIPS, WIPRO, OSRAM,BAJAJ, HAVELLS, CROMPTON GREAVES LIGHTING MANAGEMENT SYSTEM & CONTROL Lighting Management System SCHNEIDER, LUTRON, PHILIPS, HONEYWELL, WIPRO, LEGRAND, HONEYWELL, SCHNEIDER, LUTRON, WIPRO, PHILIPS, LEGRAND, HAGER SCHNEIDER, LUTRON, WIPRO, PHILIPS, LEGRAND, HAGER SCHNEIDER, SCHNEIDER, ELGRAND, HAGER SCHNEIDER, ABB, GE, SIEMENS, L&T, HAGER SCHNEIDER, ABB, GE, SIEMENS, L&T, HAGER SCHNEIDER, ABB, GE, SIEMENS, L&T, HAGER SCHNEIDER, SCHNEIDER, ABB, GE, INDO ASIAN, SIEMENS, L&T, ABB, SIEMENS, LEGRAND SIEMENS, L&T, ABB, SIEMENS, LEGRAND SCHNEIDER, L&T, ABB, SIEMENS, CERAND SCHNEIDER, L&T, ABB, SIEMENS, GE SCHNEIDER, L&T, ABB, SIEMENS, GE, BCH-ELECTRIC SCHNEIDER, SCHNEIDER, L&T, ABB, SIEMENS, GE, BCH-ELECTRIC SCHNEIDER, SCHNEIDER, L&T, ABB, SIEMENS, GE, BCH-ELECTRIC SCHNEIDER, SCHNEIDER, MECO, CIRCUTER, AE, SECURE, ELMEASURE, RISHAB, KRYKARD, L&T, LEGRAND SCHNEIDER, SCHNEIDER, SCHNEIDER, SCHNEIDER, L&T, ABB, SIEMENS, CIRCUTOR, L&T SCHNEIDER, SCHNEIDER, SCHNEIDER, SCHNEIDER, SCHNEIDER, BCH, CROMPTON SCHNEIDER, BCH, CROMPTON SCHNEIDER, BCH, CROMPTON SCHNEIDER, BCH, CROMPTON ALLEN BRADLEY, SCHNEIDER, SCHNEIDER, BCH, CROMPTON ALLEN BRADLEY, SCHNEIDER, SCHNEIDER, L&T, HITTACHI ABB, SIEMENS, SCHNEIDE	С	Solar Street light (Standalone)	, , , , , , , , , , , , , , , , , , , ,
18 LIGHTING MANAGEMENT SYSTEM & CONTROL a Lighting Management System SCHNEIDER, LUTRON, PHILIPS, HONEYWELL, WIPRO, LEGRAND, HONEYWELL, SCHNEIDER, LUTRON, WIPRO, PHILIPS, LEGRAND, HAGER 19 LT Power Capacitors SCHNEIDER, EPCOS, L&T, VISHAY, SPRAGUE, SIEMENS, ABB, SREEEM 20 LT SWITCHGEARS / BREAKERS a Miniature Circuit Breakers (MCBs) & LEGRAND, SCHNEIDER, ABB, GE, SIEMENS, L&T, HAGER b Earth Leakage Circuit Breakers (RCBO) & SCHNEIDER, ABB, GE, INDO ASIAN, SIEMENS, L&T, HAGER c MCCBs nd ACBs SCHNEIDER, L&T, ABB, SIEMENS, LEGRAND f Changeover Switches L&T, SIEMENS, SCHNEIDER, HPL g MV Switch fuse units & Isolators SCHNEIDER, L&T, ABB, SIEMENS, GE, SCHNEIDER, L&T, ABB, SIEMENS, GE, BCH-ELECTRIC 21 MEASURING INSTRUMENTS a Measuring Instruments (Analog & Digital meters, Data Loggers & Event Recorders) b Single & Three phase Energy Meters SCHNEIDER, SIEMENS, CIRCUTTOR, L&T, LEGRAND b Starters L&T, ABB, SIEMENS, CIRCUTTOR, L&T, ABB, SIEMENS, CROMPTON, BHARAT BIJLEE b Starters L&T, ABB, SIEMENS, CROMPTON, ALLEN BRADLEY, SCHNEIDER, L&T, ABB, SIEMENS, CROMPTON, ALLEN BRADLEY, SCHNEIDER, L&T, HITTACHI 23 POLES a Streetlight Pole (Decorative/Special) BAJAJ, K-LITE, TRANSRAIL LIGHTING	d	0,0	PHILIPS, EVEREDY, WIPRO
CONTROL a Lighting Management System b Lighting Control Sensor Lighting Control Sensor HONEYWELL, SCHNEIDER, LUTRON, WIPRO, PHILIPS, LEGRAND, HAGER SCHNEIDER, EPCOS, L&T, VISHAY, SPRAGUE, SIEMENS, ABB, SREEEM LT Power Capacitors C LT SWITCHGEARS / BREAKERS A Miniature Circuit Breakers (MCBs) & LEGRAND, SCHNEIDER, ABB, GE, SIEMENS, L&T, HAGER B Earth Leakage Circuit Breakers (MCBs) & LEGRAND, SCHNEIDER, ABB, GE, INDO ASIAN, SIEMENS, L&T C MCCBs nd ACBs C MCCBs nd ACBs C MCCBs nd ACBs C MCCBs nd ACBs C MV Switch fuse units & Isolators Air-break Power / Control Contactors Air-break Power / Control Contactors Measuring Instruments (Analog & Digital meters, Data Loggers & Event Recorders) Measuring Instruments (Analog & Digital meters, Data Loggers & Event Recorders) B Single & Three phase Energy Meters C MOTORS & STARTERS / DRIVES A Electric Motors B Starters C Soft Starters C Soft Starters ABB, SIEMENS, SCHNEIDER, L&T, ABB, SIEMENS, CIRCUTOR, L&T L&T, ABB, SIEMENS, CROMPTON, ALLEN BRADLEY, SCHNEIDER. C Soft Starters ABB, SEIMENS, CROMPTON, ALLEN BRADLEY, SCHNEIDER. ABB, SIEMENS, CROMPTON, ALLEN BRADLEY, SCHNEIDER. ABB, SIEMENS, CROMPTON, ALLEN BRADLEY, SCHNEIDER. ABB, SIEMENS, SCHNEIDER, L&T, HITTACHI ABB, SIEMENS, SCHNEIDER, L&T, HITTACHI B Streetlight Pole (Decorative/Special) B AJAJ, K-LITE, TRANSRAIL LIGHTING		· · · · · · · · · · · · · · · · · · ·	
b Lighting Control Sensor HONEYWELL, SCHNEIDER, LUTRON, WIPRO, PHILIPS, LEGRAND, HAGER 19 LT Power Capacitors SCHNEIDER, EPCOS, L&T, VISHAY, SPRAGUE, SIEMENS, ABB, SREEEM 20 LT SWITCHGEARS / BREAKERS a Miniature Circuit Breakers (MCBs) & LEGRAND, SCHNEIDER, ABB, GE, SIEMENS, L&T, Distribution Boards HAGER b Earth Leakage Circuit Breakers (RCBO/RCCBs) LEGRAND, SCHNEIDER, ABB, GE, INDO ASIAN, SIEMENS, L&T G MCCBs nd ACBs SCHNEIDER, L&T, ABB, SIEMENS, LEGRAND f Changeover Switches SCHNEIDER, L&T, ABB, SIEMENS, LEGRAND f Changeover Switches SCHNEIDER, L&T, ABB, SIEMENS, GE g MV Switch fuse units & Isolators SCHNEIDER, L&T, ABB, SIEMENS, GE Air-break Power / Control Contactors SCHNEIDER, L&T, ABB, SIEMENS, GE, BCH-ELECTRIC 21 MEASURING INSTRUMENTS a Measuring Instruments (Analog & Digital meters, Data Loggers & Event Recorders) b Single & Three phase Energy Meters SCHNEIDER, MECO, CIRCUTER, AE, SECURE, ELMEASURE, RISHAB, KRYKARD, L&T, LEGRAND b Single & Three phase Energy Meters SCHNEIDER, SCHNEIDER, SCHNEIDER, BCH, CROMPTON, BHARAT BIJLEE b Starters L&T, ABB, SIEMENS, CROMPTON, ALLEN BRADLEY, SCHNEIDER c Soft Starters d Variable Speed Drives ABB, SIEMENS, SCHNEIDER, L&T, HITTACHI 23 POLES a Streetlight Pole (Decorative/Special) BAJAJ, K-LITE, TRANSRAIL LIGHTING	18		
19 LT Power Capacitors 20 LT SWITCHGEARS / BREAKERS a Miniature Circuit Breakers (MCBs) & LEGRAND, SCHNEIDER, ABB, GE, SIEMENS, L&T, HAGER b Earth Leakage Circuit Breakers (LEGRAND, SCHNEIDER, ABB, GE, INDO ASIAN, SIEMENS, L&T (RCBO/RCCBs) c MCCBs nd ACBs f Changeover Switches g MV Switch fuse units & Isolators l Air-break Power / Control Contactors d Measuring Instruments (Analog & Digital meters, Data Loggers & Event Recorders) b Single & Three phase Energy Meters c MOTORS & STARTERS / DRIVES d Variable Speed Drives a Streetlight Pole (Decorative/Special) p HILIPS, LEGRAND, HAGER SCHNEIDER, EPCOS, L&T, VISHAY, SPRAGUE, SIEMENS, L&T, VISHAY, SPRAGUE, SIEMENS, L&T, HABB, SIEMENS, L&T, HAGER LEGRAND, SCHNEIDER, ABB, GE, INDO ASIAN, SIEMENS, LEGRAND LEGRAND, SCHNEIDER, L&T, ABB, SIEMENS, LEGRAND LEGRAND, SCHNEIDER, L&T, ABB, SIEMENS, GE SCHNEIDER, L&T, ABB, SIEMENS, GE SCHNEIDER, L&T, ABB, SIEMENS, GE, BCH-ELECTRIC L&T, SCHNEIDER, MECO, CIRCUTER, AE, SECURE, ELMEASURE, RISHAB, KRYKARD, L&T, LEGRAND L&T, SCHNEIDER, SIEMENS, CIRCUTOR, L&T L&T, ABB, SIEMENS, CIRCUTOR, L&T L&T, SCHNEIDER, SIEMENS, CIRCUTOR, L&T ABB, SEIMENS, KIRLOSKAR, NGEF, CROMPTON, BHARAT BIJLEE D Starters C Soft Starters ABB, SEIMENS, CROMPTON, ALLEN BRADLEY, SCHNEIDER. d Variable Speed Drives ABB, SIEMENS, SCHNEIDER, L&T, HITTACHI 23 POLES a Streetlight Pole (Decorative/Special) BAJAJ, K-LITE, TRANSRAIL LIGHTING	а	Lighting Management System	WIPRO, LEGRAND,
20 LT SWITCHGEARS / BREAKERS a Miniature Circuit Breakers (MCBs) & LEGRAND, SCHNEIDER, ABB, GE, SIEMENS, L&T, HAGER b Earth Leakage Circuit Breakers (RCBO) & LEGRAND, SCHNEIDER, ABB, GE, INDO ASIAN, SIEMENS, L&T HAGER c MCCBs nd ACBs SCHNEIDER, L&T, ABB, SIEMENS, LEGRAND f Changeover Switches L&T, SIEMENS, SCHNEIDER, HPL SCHNEIDER, L&T, ABB, SIEMENS, GE g MV Switch fuse units & Isolators SCHNEIDER, L&T, ABB, SIEMENS, GE i Air-break Power / Control Contactors SCHNEIDER, L&T, ABB, SIEMENS, GE, BCH-ELECTRIC 21 MEASURING INSTRUMENTS a Measuring Instruments (Analog & Digital meters, Data Loggers & Event Recorders) b Single & Three phase Energy Meters SCHNEIDER, SIEMENS, CIRCUTOR, L&T 22 MOTORS & STARTERS / DRIVES a Electric Motors ABB, SEIMENS, KIRLOSKAR, NGEF, CROMPTON, BHARAT BIJLEE b Starters ABB, SIEMENS, SCHNEIDER, BCH, CROMPTON C Soft Starters ABB, SIEMENS, CROMPTON, ALLEN BRADLEY, SCHNEIDER. d Variable Speed Drives ABB, SIEMENS, SCHNEIDER, L&T, HITTACHI 23 POLES a Streetlight Pole (Decorative/Special) BAJAJ, K-LITE, TRANSRAIL LIGHTING		Lighting Control Sensor	PHILIPS, LEGRAND, HAGER
a Miniature Circuit Breakers (MCBs) & Distribution Boards b Earth Leakage Circuit Breakers (MCBs) & LEGRAND, SCHNEIDER, ABB, GE, SIEMENS, L&T, HAGER crowdisplay (RCBO/RCCBs) c MCCBs nd ACBs	19	·	
Distribution Boards b Earth Leakage Circuit Breakers (RCBO/RCCBs) C MCCBs nd ACBs f Changeover Switches g MV Switch fuse units & Isolators i Air-break Power / Control Contactors B Measuring Instruments (Analog & Digital meters, Data Loggers & Event Recorders) b Single & Three phase Energy Meters C MOTORS & STARTERS / DRIVES a Electric Motors B Starters C Soft Starters Distribution Boards LEGRAND, SCHNEIDER, ABB, GE, INDO ASIAN, SIEMENS, LEGRAND LEGRAND, SCHNEIDER, L&T, ABB, SIEMENS, LEGRAND SCHNEIDER, L&T, ABB, SIEMENS, GE, BCH-ELECTRIC L&T, SCHNEIDER, MECO, CIRCUTER, AE, SECURE, ELMEASURE, RISHAB, KRYKARD, L&T, LEGRAND B Single & Three phase Energy Meters C SCHNEIDER, SIEMENS, CIRCUTOR, L&T ABB, SEIMENS, KIRLOSKAR, NGEF, CROMPTON, BHARAT BIJLEE C Soft Starters C Soft Starters C ABB, SEIMENS, CROMPTON, ALLEN BRADLEY, SCHNEIDER. d Variable Speed Drives ABB, SIEMENS, SCHNEIDER, L&T, HITTACHI 23 POLES a Streetlight Pole (Decorative/Special) B AJAJ, K-LITE, TRANSRAIL LIGHTING	20	LT SWITCHGEARS / BREAKERS	
C MCCBs nd ACBs SCHNEIDER, L&T, ABB, SIEMENS, LEGRAND f Changeover Switches L&T, SIEMENS, SCHNEIDER, HPL g MV Switch fuse units & Isolators SCHNEIDER, L&T, ABB, SIEMENS, GE i Air-break Power / Control Contactors SCHNEIDER, L&T, ABB, SIEMENS, GE, BCH-ELECTRIC 21 MEASURING INSTRUMENTS a Measuring Instruments (Analog & Digital meters, Data Loggers & Event Recorders) b Single & Three phase Energy Meters SCHNEIDER, SIEMENS, CIRCUTOR, L&T 22 MOTORS & STARTERS / DRIVES a Electric Motors ABB, SIEMENS, KIRLOSKAR, NGEF, CROMPTON, BHARAT BIJLEE b Starters L&T, ABB, SIEMENS, SCHNEIDER, BCH, CROMPTON C Soft Starters ABB, SIEMENS, CROMPTON, ALLEN BRADLEY, SCHNEIDER. d Variable Speed Drives ABB, SIEMENS, SCHNEIDER, L&T, HITTACHI 23 POLES a Streetlight Pole (Decorative/Special) BAJAJ, K-LITE, TRANSRAIL LIGHTING	а		
f Changeover Switches g MV Switch fuse units & Isolators i Air-break Power / Control Contactors B Measuring Instruments (Analog & Digital meters, Data Loggers & Event Recorders) B Single & Three phase Energy Meters C MOTORS & STARTERS / DRIVES B Starters C Soft Starters C Soft Starters MCCBs nd ACBs L&T, SIEMENS, SCHNEIDER, HPL SCHNEIDER, L&T, ABB, SIEMENS, GE SCHNEIDER, L&T, ABB, SIEMENS, GE, BCH-ELECTRIC L&T, SCHNEIDER, MECO, CIRCUTER, AE, SECURE, ELMEASURE, RISHAB, KRYKARD, L&T, LEGRAND L&T, SCHNEIDER, MECO, CIRCUTER, AE, SECURE, ELMEASURE, RISHAB, KRYKARD, L&T, LEGRAND L&T, SCHNEIDER, SIEMENS, CIRCUTOR, L&T ABB, SEIMENS, KIRLOSKAR, NGEF, CROMPTON, BHARAT BIJLEE ABB, SEIMENS, KIRLOSKAR, NGEF, CROMPTON, BHARAT BIJLEE ABB, SEIMENS, SCHNEIDER, BCH, CROMPTON ABB, SEIMENS, CROMPTON, ALLEN BRADLEY, SCHNEIDER. C Variable Speed Drives ABB, SIEMENS, SCHNEIDER, L&T, HITTACHI ABB, SIEMENS, SCHNEIDER, L&T, HITTACHI B AJAJ, K-LITE, TRANSRAIL LIGHTING	b		
g MV Switch fuse units & Isolators i Air-break Power / Control Contactors 21 MEASURING INSTRUMENTS a Measuring Instruments (Analog & Digital meters, Data Loggers & Event Recorders) b Single & Three phase Energy Meters 22 MOTORS & STARTERS / DRIVES a Electric Motors B Starters C Soft Starters C Soft Starters D WV Switch fuse units & Isolators S CHNEIDER, L&T, ABB, SIEMENS, GE, BCH-ELECTRIC S CHNEIDER, MECO, CIRCUTER, AE, SECURE, ELMEASURE, RISHAB, KRYKARD, L&T, LEGRAND L&T, SCHNEIDER, SIEMENS, CIRCUTOR, L&T S CHNEIDER, SIEMENS, CIRCUTOR, L&T ABB, SEIMENS, KIRLOSKAR, NGEF, CROMPTON, BHARAT BIJLEE L&T, ABB, SIEMENS, KIRLOSKAR, NGEF, CROMPTON, BHARAT BIJLEE ABB, SIEMENS, SCHNEIDER, BCH, CROMPTON ABB, SEIMENS, CROMPTON, ALLEN BRADLEY, SCHNEIDER. d Variable Speed Drives ABB, SIEMENS, SCHNEIDER, L&T, HITTACHI 23 POLES a Streetlight Pole (Decorative/Special) BAJAJ, K-LITE, TRANSRAIL LIGHTING	С	MCCBs nd ACBs	SCHNEIDER, L&T, ABB, SIEMENS, LEGRAND
Air-break Power / Control Contactors SCHNEIDER, L&T, ABB, SIEMENS, GE, BCH- ELECTRIC MEASURING INSTRUMENTS Measuring Instruments (Analog & Digital meters, Data Loggers & Event Recorders) Single & Three phase Energy Meters MOTORS & STARTERS / DRIVES Electric Motors ABB, SEIMENS, KIRLOSKAR, NGEF, CROMPTON, BHARAT BIJLEE Starters C Soft Starters ABB, SEIMENS, CROMPTON, ALLEN BRADLEY, SCHNEIDER. ABB, SEIMENS, CROMPTON, ALLEN BRADLEY, SCHNEIDER. ABB, SIEMENS, SCHNEIDER, L&T, HITTACHI ABB, SIEMENS, SCHNEIDER, L&T, HITTACHI BOLES ABB, SIEMENS, SCHNEIDER, L&T, HITTACHI BAJAJ, K-LITE, TRANSRAIL LIGHTING	f	Changeover Switches	L&T, SIEMENS, SCHNEIDER, HPL
### Poles Power / Control Contactors ELECTRIC	g	MV Switch fuse units & Isolators	
Measuring Instruments (Analog & Digital meters, Data Loggers & Event Recorders) L&T, SCHNEIDER, MECO, CIRCUTER, AE, SECURE, ELMEASURE, RISHAB, KRYKARD, L&T, LEGRAND Single & Three phase Energy Meters SCHNEIDER, SIEMENS, CIRCUTOR, L&T MOTORS & STARTERS / DRIVES ABB, SEIMENS, KIRLOSKAR, NGEF, CROMPTON, BHARAT BIJLEE L&T, ABB, SIEMENS, SCHNEIDER, BCH, CROMPTON C Soft Starters ABB, SEIMENS, CROMPTON, ALLEN BRADLEY, SCHNEIDER. ABB, SIEMENS, CROMPTON, ALLEN BRADLEY, SCHNEIDER. ABB, SIEMENS, SCHNEIDER, L&T, HITTACHI ABB, SIEMENS, SCHNEIDER, L&T, HITTACHI STREETING BAJAJ, K-LITE, TRANSRAIL LIGHTING	i	Air-break Power / Control Contactors	
Measuring Instruments (Analog & Digital meters, Data Loggers & Event Recorders) L&T, SCHNEIDER, MECO, CIRCUTER, AE, SECURE, ELMEASURE, RISHAB, KRYKARD, L&T, LEGRAND Single & Three phase Energy Meters CEMPOTORS & STARTERS / DRIVES ABB, SEIMENS, KIRLOSKAR, NGEF, CROMPTON, BHARAT BIJLEE BELECTRIC Motors CEMPOTORS & STARTERS / DRIVES ABB, SEIMENS, KIRLOSKAR, NGEF, CROMPTON, BHARAT BIJLEE CEMPOTORS & SCHNEIDER, BCH, CROMPTON CEMPOTORS & SEIMENS, CROMPTON, ALLEN BRADLEY, SCHNEIDER. CEMPOTORS & STARTERS / DRIVES ABB, SEIMENS, CROMPTON, ALLEN BRADLEY, SCHNEIDER. CEMPOTORS & SCHNEIDER, L&T, HITTACHI CEMPOTORS & STARTERS / DRIVES ABB, SIEMENS, SCHNEIDER, L&T, HITTACHI CEMPOTORS & STARTERS / DRIVES ABB, SIEMENS, SCHNEIDER, L&T, HITTACHI CEMPOTORS & STARTERS / DRIVES ABB, SIEMENS, SCHNEIDER, L&T, HITTACHI CEMPOTORS & STARTERS / DRIVES ABB, SIEMENS, SCHNEIDER, L&T, HITTACHI CEMPOTORS & STARTERS / DRIVES ABB, SIEMENS, SCHNEIDER, L&T, HITTACHI CEMPOTORS & STARTERS / DRIVES ABB, SIEMENS, SCHNEIDER, L&T, HITTACHI CEMPOTORS & STARTERS / DRIVES ABB, SIEMENS, SCHNEIDER, L&T, HITTACHI CEMPOTORS & STARTERS / DRIVES ABB, SIEMENS, SCHNEIDER, L&T, HITTACHI CEMPOTORS & STARTERS / DRIVES ABB, SIEMENS, SCHNEIDER, L&T, HITTACHI CEMPOTORS & STARTERS / DRIVES ABB, SIEMENS, SCHNEIDER, L&T, HITTACHI CEMPOTORS & STARTERS / DRIVES ABB, SIEMENS, SCHNEIDER, L&T, HITTACHI CEMPOTORS & STARTERS / DRIVES ABB, SIEMENS, SCHNEIDER, L&T, HITTACHI CEMPOTORS & STARTERS / DRIVES ABB, SIEMENS, SCHNEIDER, L&T, HITTACHI CEMPOTORS & STARTERS / DRIVES ABB, SIEMENS, SCHNEIDER, L&T, HITTACHI CEMPOTORS & STARTERS / DRIVES ABB, SIEMENS, SCHNEIDER, L&T, HITTACHI CEMPOTORS & STARTERS / DRIVES ABB, SIEMENS, SCHNEIDER, L&T, HITTACHI CEMPOTORS & STARTERS / DRIVES ABB, SIEMENS, SCHNEIDER, L&T, HITTACHI CEMPOTORS & STARTERS / DRIVES ABB, SIEMENS, SCHNEIDER, LATERS / DRIVES ABB, SIEMENS, SCHNEIDER, LATE	21	MEASURING INSTRUMENTS	
22 MOTORS & STARTERS / DRIVES a Electric Motors ABB, SEIMENS, KIRLOSKAR, NGEF, CROMPTON, BHARAT BIJLEE b Starters C Soft Starters d Variable Speed Drives ABB, SEIMENS, CROMPTON, ALLEN BRADLEY, SCHNEIDER. ABB, SEIMENS, CROMPTON, ALLEN BRADLEY, SCHNEIDER. ABB, SIEMENS, SCHNEIDER, L&T, HITTACHI 23 POLES a Streetlight Pole (Decorative/Special) BAJAJ, K-LITE, TRANSRAIL LIGHTING	а		L&T, SCHNEIDER, MECO, CIRCUTER, AE, SECURE, ELMEASURE, RISHAB, KRYKARD, L&T, LEGRAND
a Electric Motors ABB, SEIMENS, KIRLOSKAR, NGEF, CROMPTON, BHARAT BIJLEE b Starters L&T, ABB, SIEMENS, SCHNEIDER, BCH, CROMPTON C Soft Starters ABB, SEIMENS, CROMPTON, ALLEN BRADLEY, SCHNEIDER. d Variable Speed Drives ABB, SIEMENS, SCHNEIDER, L&T, HITTACHI 23 POLES a Streetlight Pole (Decorative/Special) BAJAJ, K-LITE, TRANSRAIL LIGHTING		<u> </u>	SCHNEIDER, SIEMENS, CIRCUTOR, L&T
b Starters L&T, ABB, SIEMENS, SCHNEIDER, BCH, CROMPTON C Soft Starters ABB, SEIMENS, CROMPTON, ALLEN BRADLEY, SCHNEIDER. d Variable Speed Drives ABB, SIEMENS, SCHNEIDER, L&T, HITTACHI 23 POLES a Streetlight Pole (Decorative/Special) BAJAJ, K-LITE, TRANSRAIL LIGHTING	22	MOTORS & STARTERS / DRIVES	
Starters CROMPTON ABB, SEIMENS, CROMPTON, ALLEN BRADLEY, SCHNEIDER. d Variable Speed Drives ABB, SIEMENS, SCHNEIDER, L&T, HITTACHI 23 POLES a Streetlight Pole (Decorative/Special) BAJAJ, K-LITE, TRANSRAIL LIGHTING	а	Electric Motors	
d Variable Speed Drives ABB, SIEMENS, SCHNEIDER, L&T, HITTACHI 23 POLES a Streetlight Pole (Decorative/Special) BAJAJ, K-LITE, TRANSRAIL LIGHTING	b	Starters	
23 POLES a Streetlight Pole (Decorative/Special) ABB, SIEMENS, SCHNEIDER, L&T, HITTACHI BAJAJ, K-LITE, TRANSRAIL LIGHTING	С	Soft Starters	
a Streetlight Pole (Decorative/Special) BAJAJ, K-LITE, TRANSRAIL LIGHTING	d	Variable Speed Drives	ABB, SIEMENS, SCHNEIDER, L&T, HITTACHI
	23	POLES	
b FRP / GRP Type Poles SUMIP COMPOSITES BAJAJ	а	Streetlight Pole (Decorative/Special)	BAJAJ, K-LITE, TRANSRAIL LIGHTING
71.	b	FRP / GRP Type Poles	SUMIP COMPOSITES, BAJAJ
24 PIPES PVC/ MS	24	PIPES PVC/ MS	

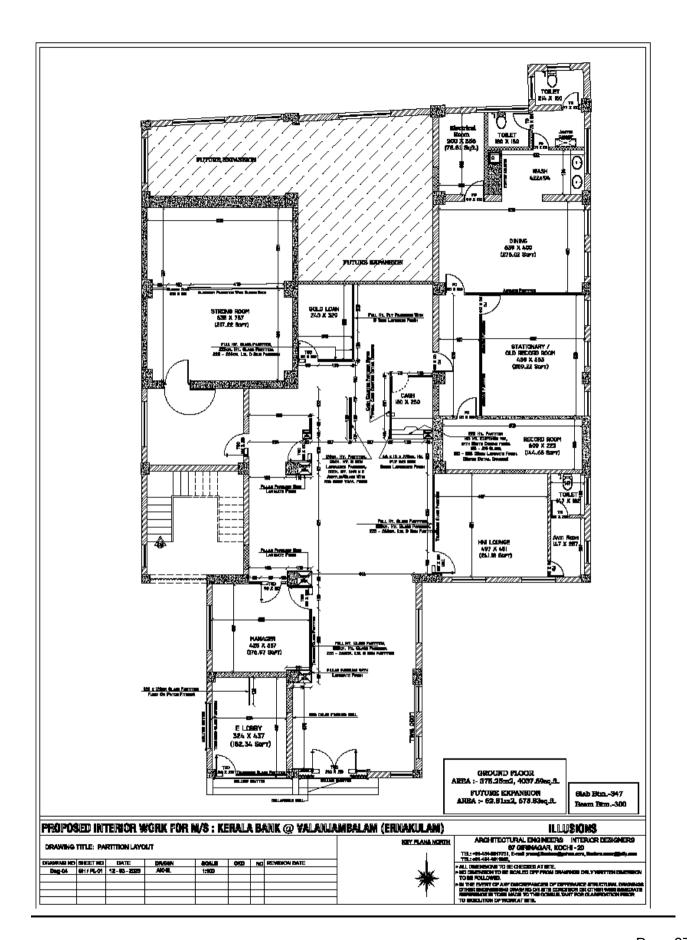
а	PVC Conduits for Wiring	A-ONE PLAST, KONSEAL, BALCO
b	MS Conduits for Wiring	GUPTA/ BHARAT/ BEC-ISI
С	MS Pipes used for DG set Exhaust Line	TATA/ GINDAL
d	GI Pipes Used for Cable Protection	TATA/ GINDAL
25	Photoluminescent Signages	3M, SAFEX, PROLITE AUTOGLO, AUTOLITE
26	Push-Button Stations, Key Actuators, Indicators, Rotary Switches, Toggle Switches, Selector Switch	TEKNIC, ABB, L&T, SIEMENS, CROMPTON, BCH, SCHNEIDER, KAYCEE
27	RELAYS	
а	Automatic Power factor Correction (APFC) Relay	SCHNEIDER, L&T, BELUK, EPCOS
b	Protective Relays (Electromechanic & Numeric)	ABB, SEIMENS, L&T, EASUN RAYROLE, SCHNEIDER, C&S, PROK DV's
С	Electronic time switch, Time delay relay, Timer	LEGRAND, L&T, HAGER, SIEMENS, ABB, SCHNEIDER, GE
28	Shock-Proof Insulation Mat & Paint	SAFEVOLT, STANVAC, ELECTROMAT, HILTI
29	Solar Inverter / Solar Hybrid UPS	DELTA, REFUSOL, KACO, SMA, OPS
30	Static Transfer Switch (STS)	PILLER, APC, RIELLO, VERTIV, GE, SOCOMEC, OBO BETTERMANN, LEGRAND, SCHNEIDER,
31	Surge Protection Devices (SPDs)	OBO BETTERMANN, LEGRAND, SCHNEIDER,SIEMENS, ABB, ERICO, DHEN,RAYCAP, NOVARIS
32	SWITCHES & SOCKETS	
а	Modular Switches &5A/15A Sockets Fan Regulators/ Voice Outlets RJ-11	LEGRAND, ABB, MK, CRABTREE, NORTH-WEST, ANCHOR-ROMA, L&T, SCHNEIDER
b	Sockets & Plugs (with Polycarbonate/FRP/ Metal Clad Body)	ABB, LEGRAND, NORTH-WEST, BCH, SCHNEIDER, CRABTREE, SALSER, CROMPTON, HENSEL
33	TRANSFORMERS	
а	Transformers (Oil-cooled)	SCHNEIDER, KEL, ESSENAR, INTRANS, KAVIKA, VOLTAMP, CROMPTON GREAVES, UNIPOWER
b	Transformer (Resin Cast, Dry type)	BHEL, VOLTAMP, HITACHI, INTRANS, KEL, UNIPOWER
С	Transformer Oil: FR3 Natural Ester	CARGILL
d	LT Current/Voltage Transformer	INTRANS, KAPPA, AE, PGR POWERTECH
е	HT Current /Voltage Transformer	SCHNEIDER, INTRANS, KAPPA, AE, VOLTAMP & ALL OEMS OF VCBs
f	Isolation Transformers	VERTIV, APC, RIELLO, PILLER, APC, SOCOMEC, ABB, SCHNEIDER, VOLTAMP, NUMERIC (LEGRAND)
34	Unitised/ Package /Compact Substation**	ABB, SCHNEIDER, SIEMENS, VOLTAMP WITH APPROVED MAKES OF HT, LT BREAKERS & TRANSFORMERS
35	UPS SYSTEM	VERTIV, APC, REILLO, PILLER, EPI, SOCOMEC, NUMERIC (LEGRAND), EATON, KELTRON, APLAB, DELTA, DUBAS, CONSUL- NEOWATT
36	UPS SYSTEM (MODULAR)	VERTIV, APC, DELTA, SOCOMEC, ABB, NUMERIC (LEGRAND), RIELLO

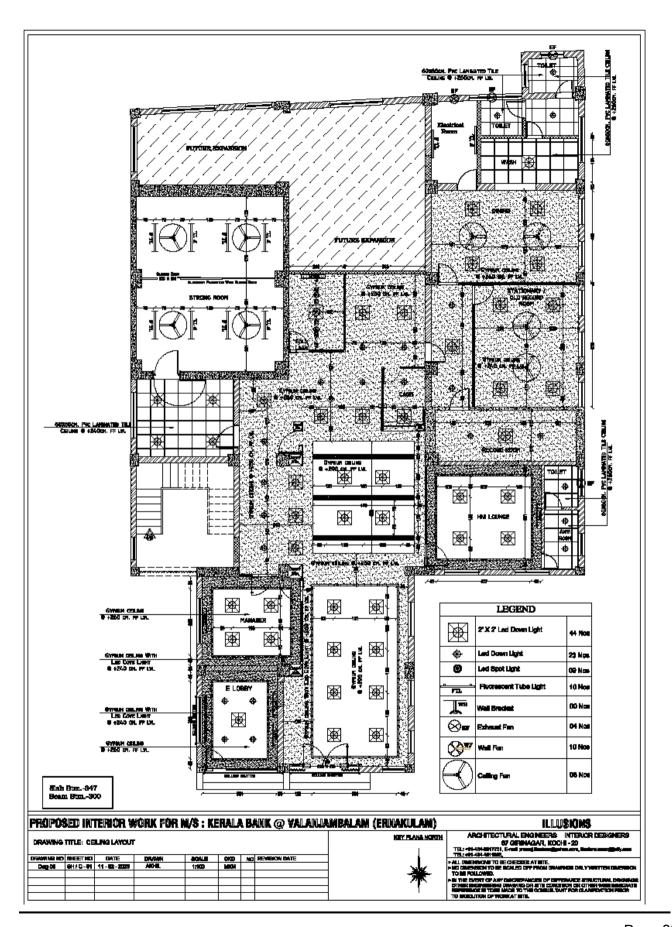
37	UTP CABLES/ DATA SYSTEM/ LAN/ voice	
а	UTP CAT 6/5e Data Cable	KRONE/ MOLEX/ AMP/ SEIMENS
b	Amoured Data Cable	BELDEN/ AVAYA
С	LAN Information Outlets RJ-45	KRONE/ MOLEX/ AMP BELDEN/ SEIMENS/ MK/ LEGRAND
d	Ethernet Switches	ARUBA, CISCO, HP, 3COM, NETGEAR
е	LAN Patch Panel	KRONE/ MOLEX/ AMP/ SEIMENS
f	Ntwrk Racks	VALRACK, EPSILON, HAUNUT, NETRACK
g	Wireless Access Point	CISCO/ ARUBA / D-LINK/ 3 COM
h	IDC type Telephone Connectors/Terminal Blocks	KRONE/ MOLEX.
i	Wireless Access Point	CISCO/ ARUBA / D-LINK/ 3 COM

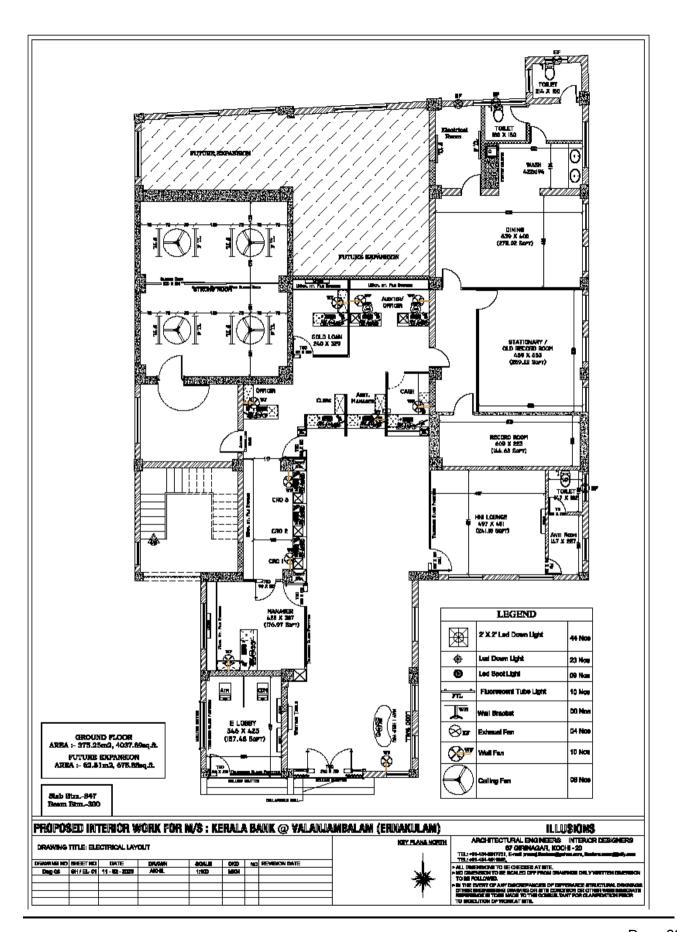


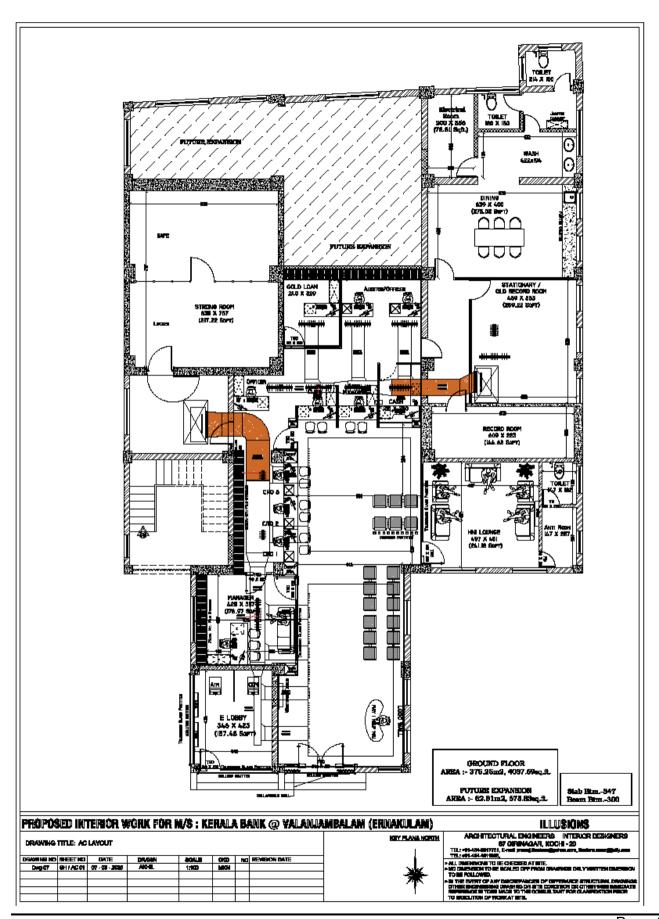


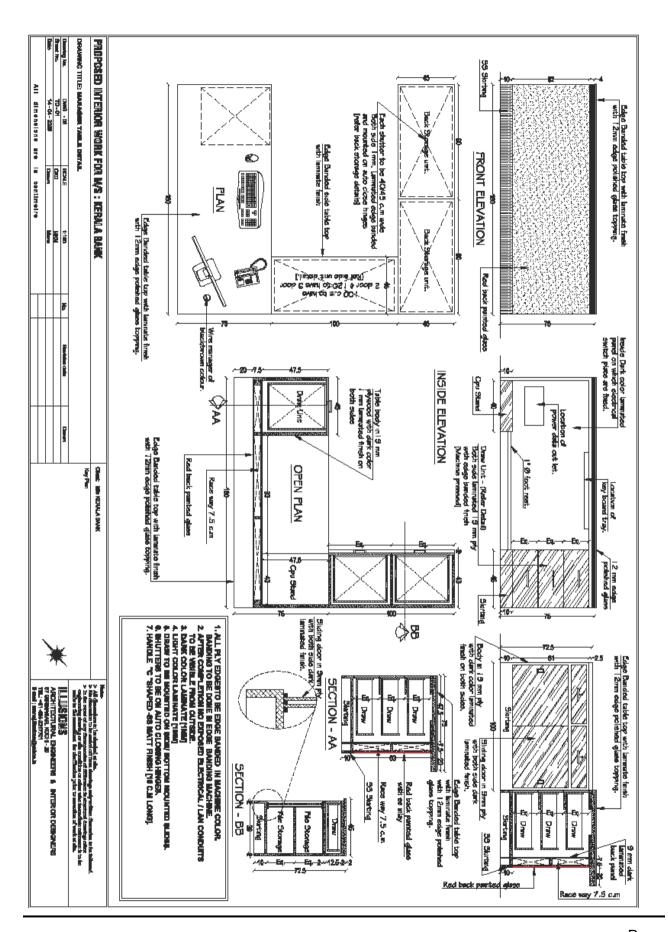


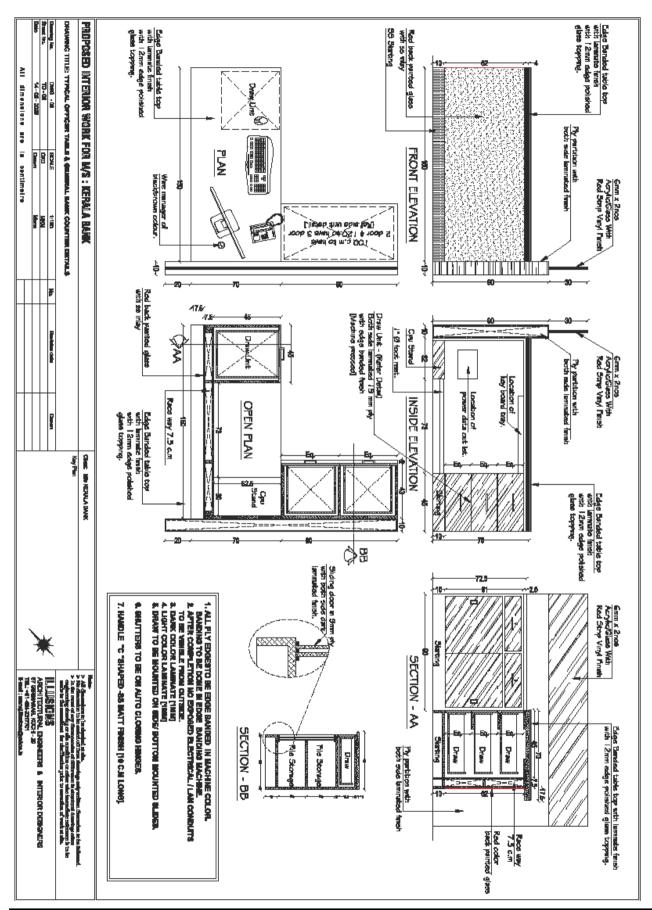


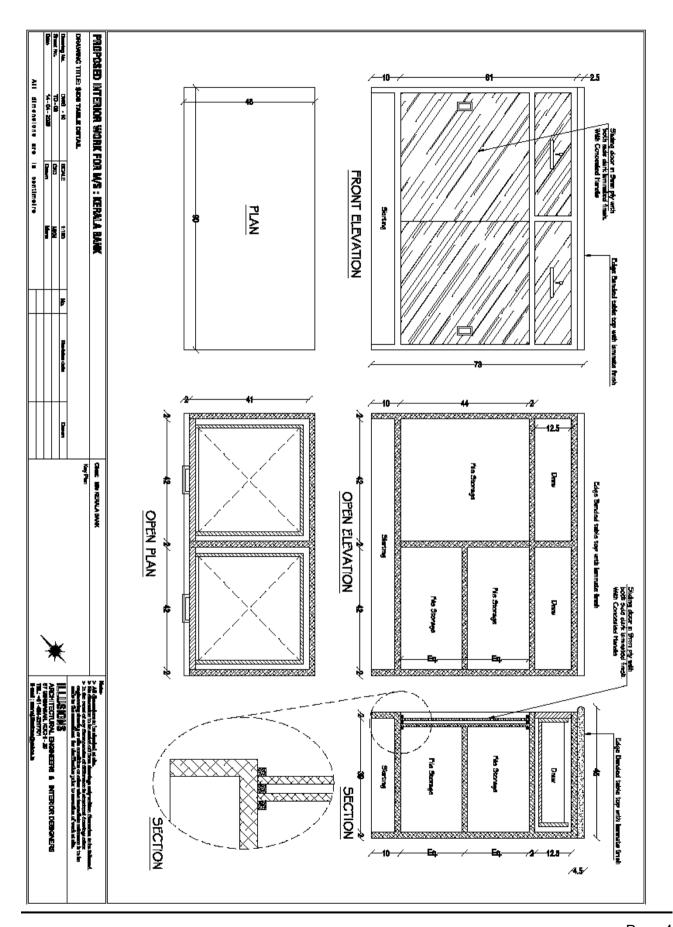


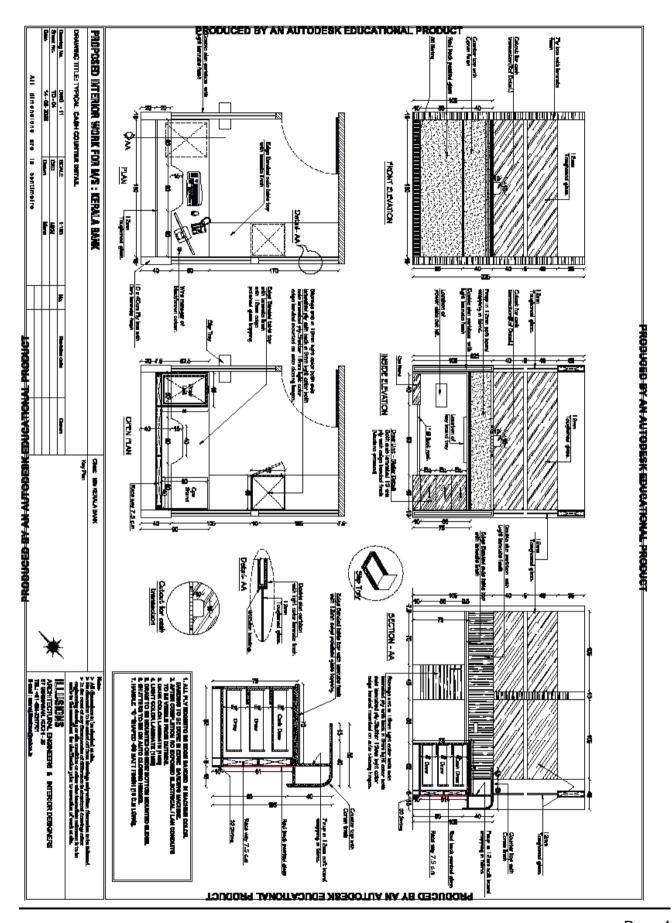






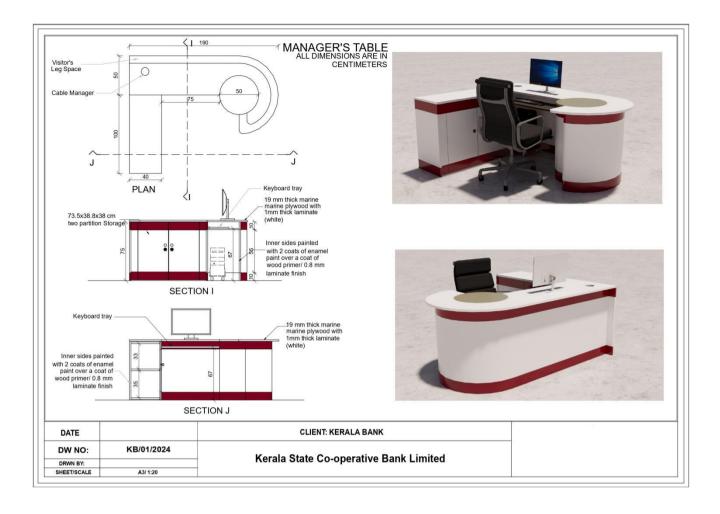


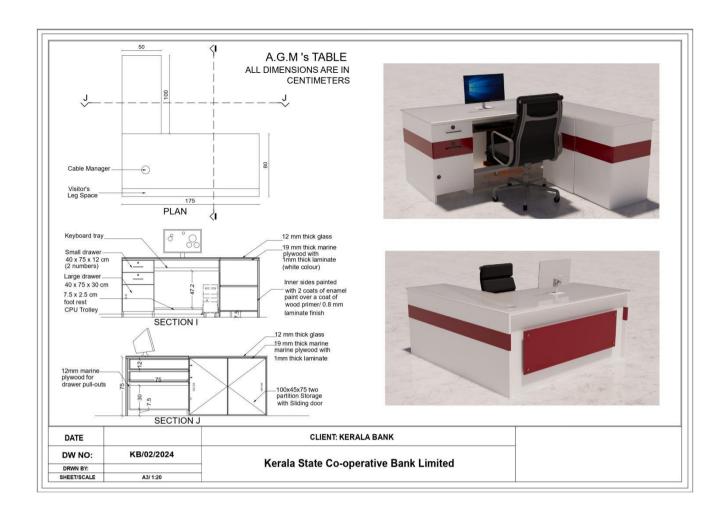


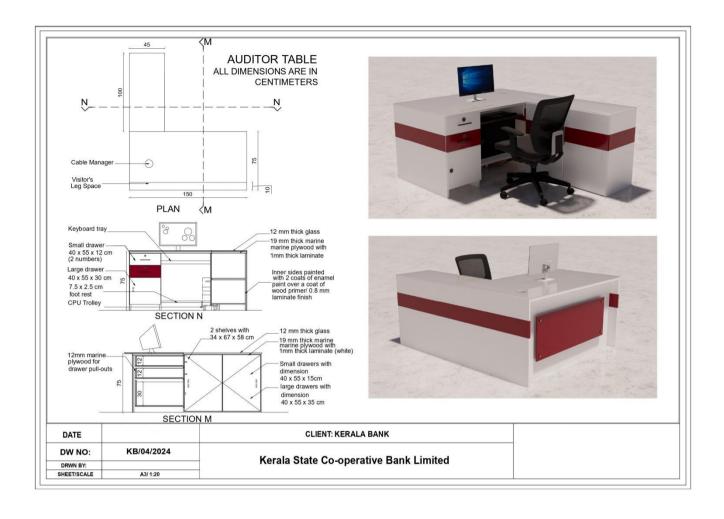


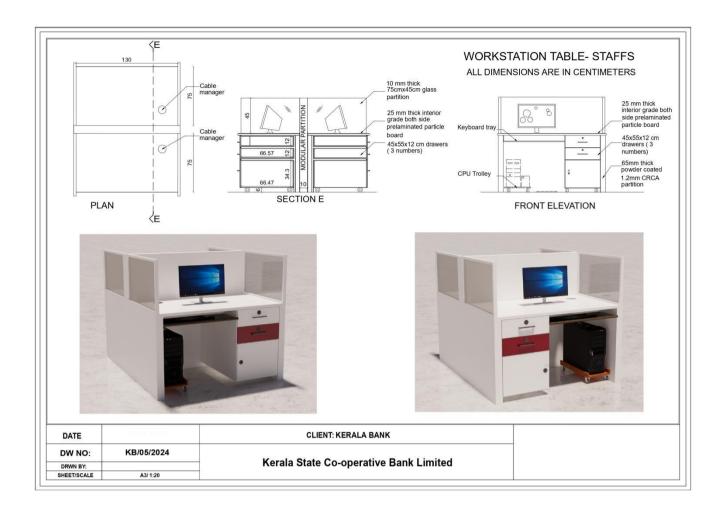


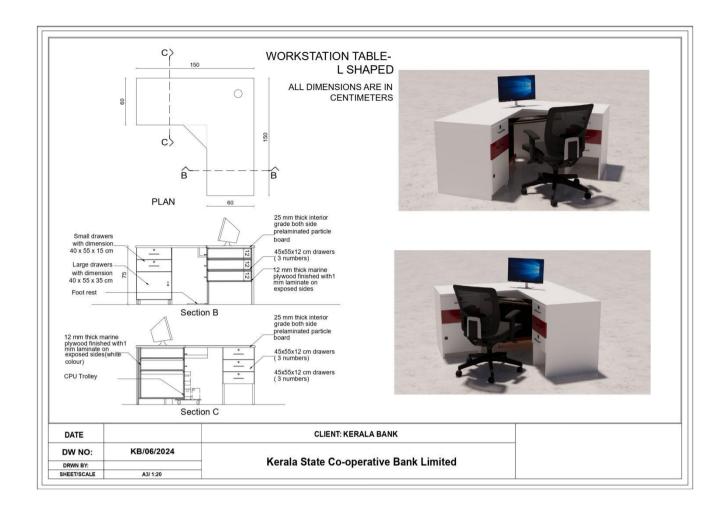
Kerala State Co-operative Bank FURNITURE DESIGN & DETAILS

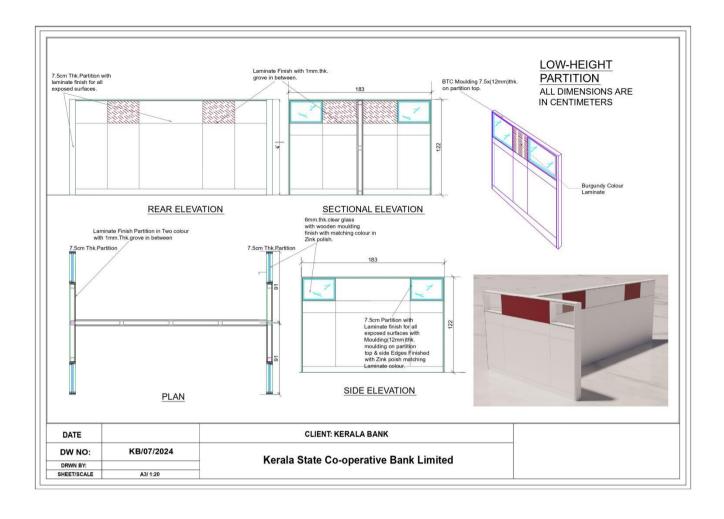


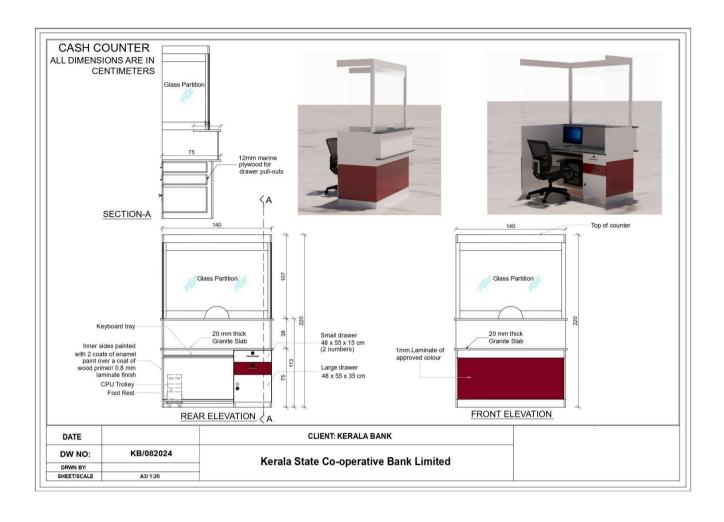


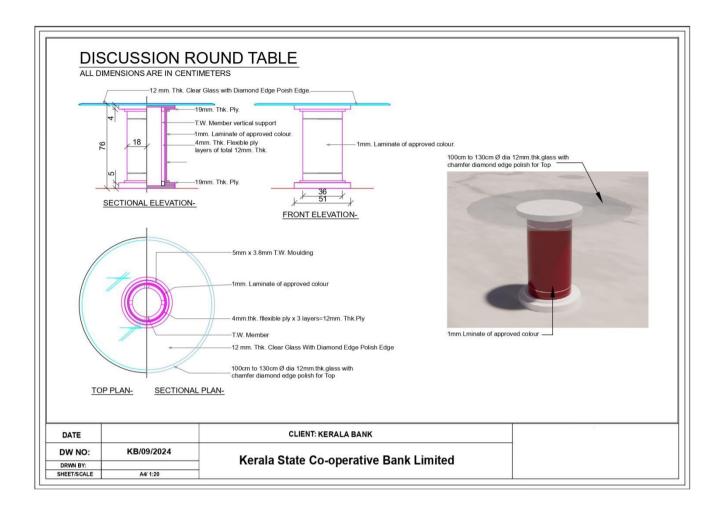


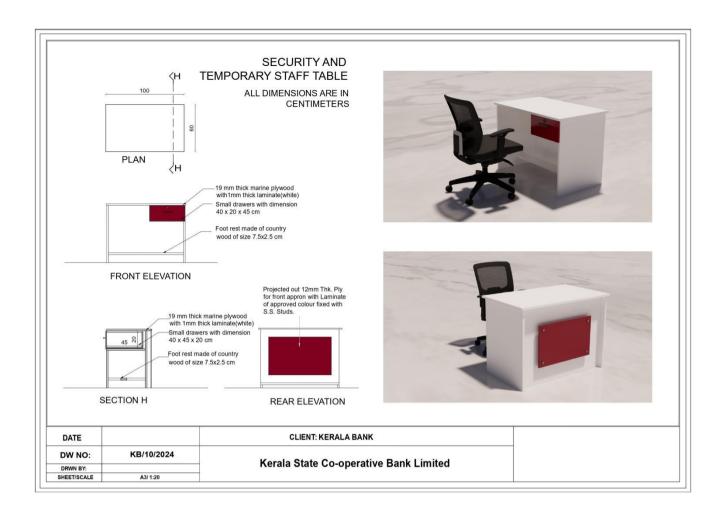


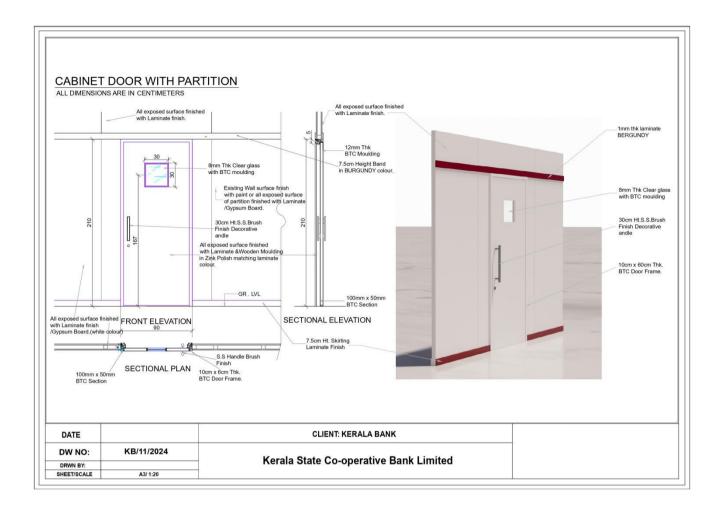


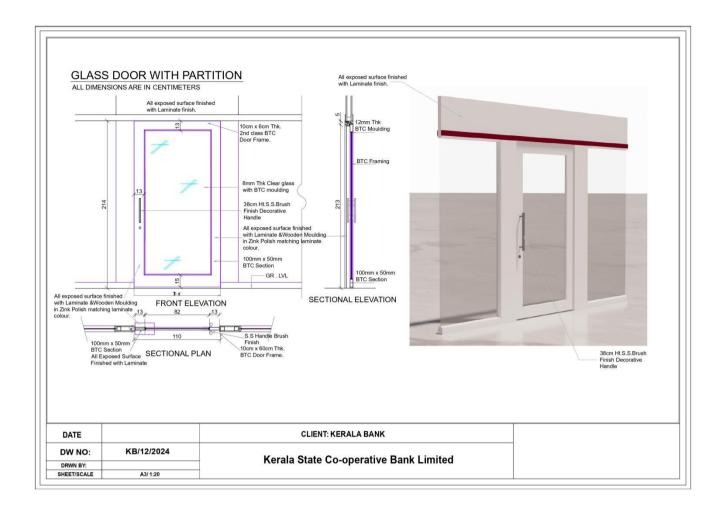


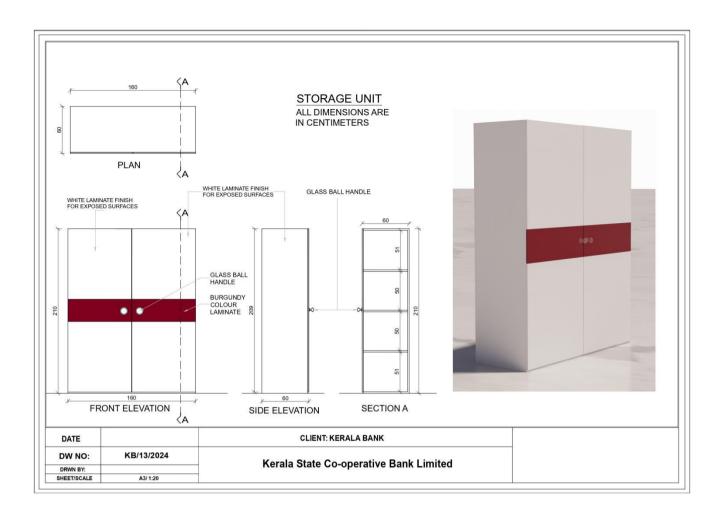


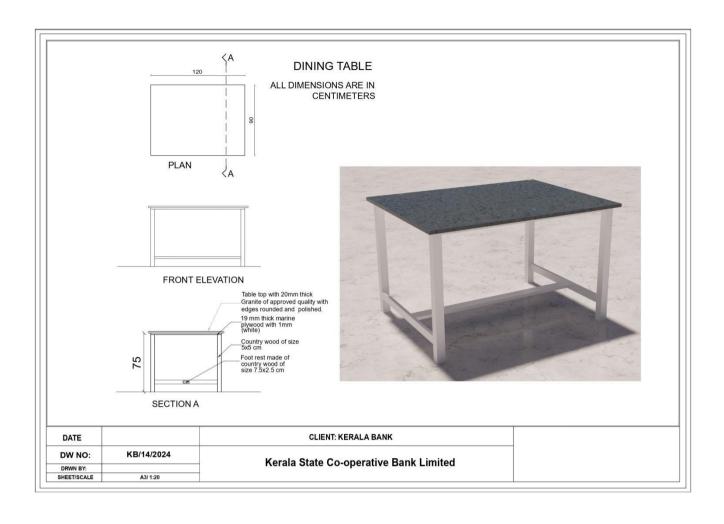


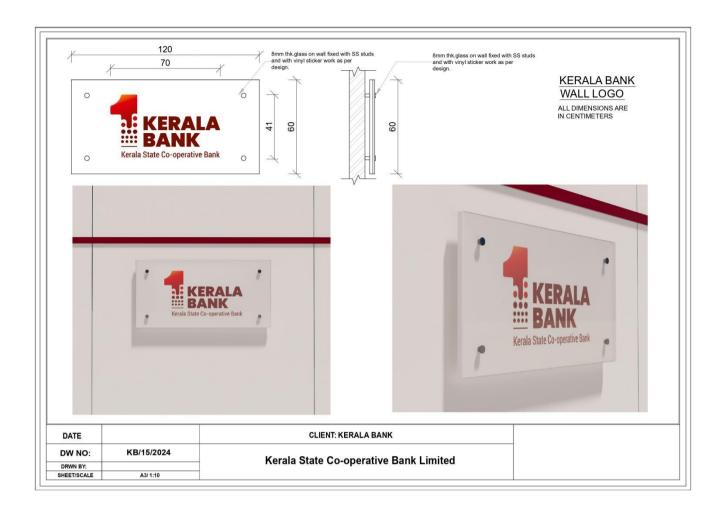


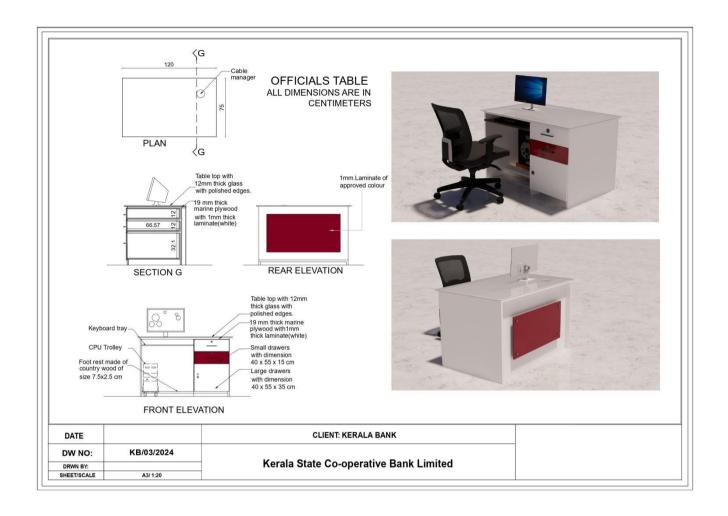












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