

STATEBANKOFINDIA

INVITES ONLINE E-TENDERS

FOR

PROPOSED ELECTRICAL WORK OF SBI UNAI BRANCH, DIST.: NAVSARI, SAO-5, NAVSARI.

FROM

THE SBI AHMEDABAD EMPANELLED ELECTRICALCONTRACTORS UNDER THE CATEGORY OF WORKS 5LAKHS AND ABOVE ASPER THE LISTENCLOSED

THELASTDATEOFSUBMISSIONOFONLINETENDERS: 12.05.2025 UP TO 03:00 PM

PART-A:TECHNICALBID

<u>TENDERSUBMIT</u>	<u>TEDBY</u> :	
NAME	:	
ADDRESS	:	
DATE	:	
ARCHITECT	NEARMAKKAIPOOL,NANPL	PAERKH APPARTMENT JRA,NAVSARI395001 Mobile 317886

Email-vishalvparekh@yahoo.com



Tender ID AHMSAO511

NOTICEINVITINGTENDER(NIT)

SBI through its Architect-Ar.VISHALPAERKH,invitesOnlineE-tenderintwobidsystem,fromtheBank's Empaneled Electrical contractors of Ahmedabad Circle for Electrical Work at SBI UNAI BRANCH, DIST.-NAVSARI, SAO-5NAVSARI.

1	NameofWork	PROPOSEDELECTRICALWORKOFSBIUNAI BRANCH, DIST NAVSARI, SAO-5NAVSARI.
2	Timeallowedforcompletion	30daysfromdateofacceptanceofwork order.
2.a	Estimated amount of works	Rs. 4,72,320/-
3	EarnestMoneyDeposit	Rs. 4,700/- by means of Demand Draft / Pay Order from anyscheduledNationalizedBankdrawninfavorofState Bank Of India and payable at NAVSARI.(Contractors registeredwith'MSMEUDYAM'neednotsubmitEMD. Instead of EMD, they should submit registration certificate of 'MSME UDYAM')
4	InitialSecurityDeposit	NA(asperGovernmentdirectives)
5	TotalSecurityDeposit	5%ofthefinalbillamountincludingISD
6	Costoftender document.	NIL
7	Start and end date for downloadingoftender documentsformBank'swebsite	30.04.2025 to 1 2.05.2025 at www.sbi.co.inunder <clink<<sbiinthenews< a="">>procurementnews.</clink<<sbiinthenews<>
8	Lastdate&timeforsubmission of online Technical bid and SealedPriceBid	12.05.2025 up to 03:00 PM
9	Address at which Hard copy of Process Compliance Form and EMD or MSME Udhyam Certificatehastobesubmitted	The Asst Gen Manager State Bank of India SAO-5,NAVSARI396445
10	Date and time of opening of onlineTechnicalbid&Sealed Pricebid	12.05.2025 upto03:30 PM
11	Agency for arranging online Bidding(Technicalbidandsealed price bid)	M/s.AntaresSystemsLimited, Mr.KushalBose MobileNo.:+919674758719 e-Mail: <u>kushal.b@antaressystems.com</u>
12	Defectliabilityperiod.	12monthsfromthedateofVirtual Completion
13	Validityofoffer.	90daysfromthedateofopeningofPrice-bid



	175.	
14	Liquidateddamages	0.50% of contract amount perweeks subject to max.5% of contract value or final bill value.
15	ValueofInterim Certificate	No advance on materials / plant / machinery or mobilization advance shall be paid under any circumstancesOnlyfulland final payment shallbemade after satisfactory completion of work.
16	Insurance	The contractor shall obtain all necessary insurance policies as per the governing laws applicable at the center& shall require to produce the original policy of Insurance &receiptofthepremium asapplicable in matter to the Architect/Bank.
17	WaterandElectricity	IfcontractorispermittedtouseSBIsourceofwater& electricity, the SBI will recover @ 0.5% of contract amount from the final bill of contractor. However further distribution & extension & light fixtures etc. WithrequiredMCBswitches,switchboards,lamp,tube etc. shall be arranged by the contractor at their own cost within the accepted tender amount. Bank will recover 0.5% of the final bill amount towards consumptionofwater&electricity.
18	Rates	Rates quoted shall be inclusive of all existing & future (including variation) taxes, duties, levies, royalties, transportation, other incidental charges, WCTetc.PVA&PVAClauseshallnotbeapplicable. Note:GSTwillbepaidExtraasperApplicablenorms.If any tenderer puts any condition/anything/any taxes extra over and above their quoted rates the tender shallbesummarilyrejected.
19	news <procurementnews>orSBle- shall be responsibility of the conti</procurementnews>	n the bank's website www.sbi.co.in(link) <sbi and="" delayintendersubmission.<="" financial="" in="" it="" leforsiteissues="" ractor="" sbietender.="" submit="" td="" technical="" tenderportalwww.tenderwizard.in="" the="" timely="" to=""></sbi>
18	Thecontractorshallreadandunders number and sequence of all page:	standeachpageofthetenderdocumentthereby ensuring the s.
19		dinthe tenderwillbeconsidered, and if given they will have to of final quote, else their bid will be rejected.
20		nd Process Compliance Form shall be summarily e allowedtoparticipateinthePricebidprocess/ rejected/Bank.
21	1	s requirement and quoting minimum rate for any anteeforreceivingorderforthatitem bythefirmwho quotes
22	Bankreservesrighttocancelany/all reasons.	tendersatanystagewithoutassigning any
24		the tender infullor in partand the tender er shall other condition if his tender is accepted in parts.



26	Incasethedateoftenderingisdeclaredasaholiday, the tendering will be conducted on the nextworking day at the same time.
27	SBI reserves the right to accept or reject any or all the tenders, either in whole or in part without assigning any reason(s) for doing so, no claim / correspondence shall be entertained in this regard. For any clarification regarding Tendering procedure, please contactSBIAdminoffice,NAVSARI,whoseaddressismentionedintheNITorArchitect AR.VISHALPAERKH.
28	Itisvendor's/supplier'sresponsibilitytobewellpreparedandgetreadywithE-Tendering procedures & well equipped with all requirements. SBI will not take any responsibility of delayinsubmissionduetoEMD,slowinternetconnectivity,systemfailuresetc.
29	Onlyfinalpaymentwillbemade.
30	It's ar unning branch. If the assigned work is in running/working Branch, the contractor should execute the site erection work in odd hours, Holidays and Sundays.
31	Percentage, if any, to be deducted from bills and total amount to be retained: 10% from Running Bills, subject to maximum Total 5% of contract amount or actual Final Bill value.

YoursFaithfully,

AssistantGeneralManager The Asst Gen Manager State Bank of India SAO-5,NAVSARI 396445. Date:30.04<mark>.202</mark>5



Annexure-"B"

LIST OF EMPANELLED ELECTRICAL CONTRACTORS UP TO Rs. 5.0 LAKH

iN	Name, Office Address of the Applicant in Gujarat State including U/T	Contact number	
i	Patel Electricals, 1/A, Aastha Complex, Nr. Sanskar Mandal Chowk, Talaja Rd., Bhavnagar	9825088095	patelelectricals55@gmail.com
2	Shreeji Electricals, U-10, Lake View Flaaaat, Opp. Vastrapur Lake, Vastrapur, Ahmedabad	9427246110	shreejiele10@gmail.com
3	Paresh Electric Co., B-1, Harinagar Society, CTM Char Rasta, Ahmedabad-380026	9824129513	paresh_electrical_co@yahoo.co.in
4	Pay & Service, 309 Sadguru Arcade, Dhebar Road One Way, Rajkot-360001	9825075667, 8160197253	payandservice72@gmail.com
5	Riya Electricals, 64 Shiv Shankar Nagar, Nr. Malav Talav, Jivrajpark, Ahmedabad 380051	9723958466	riyaelectricals1988@gmail.com
6	Utkarsh Electricals, 37/6 Kharwar Nagar, Nr. Udhana Naher, Surat 395002	9825257117	utkarshelectricals@yahoo.co.in
7	Deep Enterprise, 306 Vishranti Enclave,	9512406797	gandhi_devesh@yahog.in
8	Gorisha Electricals, A/102, Ayodhya Flats, Ayodhya Township, Tarasali, Vadodara 390009		rajesh6765@gmail.com
9	Jay Shree Tulja Electricals, GF-12, Suryadeep Complex, Nr Rupam Cinema, Harni Road, Vadodara.	9879288410, 9825252364	vipulpurohit2013@gmail.com
10	Harshad Furniture Mart, Sadar Opp. Moti	9898198877, 9979744997	harshad_furniture@yahoo.com
1	Ohanlaxmi Electricals, B-206, Shreenath Re,	9428739476, 8690066012	unaniaxi ileiecti iceibacoc birra
1	Access Electrotech, B - 401, Tapi Enclave,	9904626310, 9726226357	
1	Mahadev Electric, 101, Shanti Complex Kotal Street Sanganva Chowk Rajkot-1,	9824509312	hirenkanabar54@yahoo.com
1	Shah Associates, Opp. Laxmi Bhavan, Nev Station Road, Bhuj Kachchh-370001	9825228305	shahassociate2@gmail.com



Annexure-"B"

LIST OF EMPANELLED ELECTRICAL CONTRACTOR UP TO RS. 10.0 LAKH

1 6	E EMPANELLED ELECTRICAL CONT	and the second s	E-mail (D)
N	Name and address	Contact number	Modellinos
1	Umesh Engineering Works, Gala No.A-10, D.M. Singh Compound, Opp. Shraddha Tower, Thaaaaaaaaakur Complex, Kandivadi, Mumbai- 400010	9821098131	umeshengineeringwoooorks@gmail.com
2	RK Electricals, 30, Ghati Bhadbhunja, Nr. KMC School, Bhopal	9827216074	mosultan99@gmail.com
3	RP Enterprise, 309m Saraswati Complex, Manjalpur, Vadodara	9825467087	rpenterprise7@gmail.com
4	Vikalp Electricals, LL-1, Om Centre, Shreyash Crossing, Ambawadi, Ahmedabad-15	-	vikalp1991@gmail.com
5	Vaidehi Enterprise, 15 Trishila Residency, Nr. Ganesh Park Twin Bunglow, Sola, Ahmedabad 3800061	9327014869, 6352995533	piyushpatel@vaidehient.com, harshpatel@vaidehient.com



Annexure-"8"

DIST OF EMPANELLED ELECTRICAL CONTRACTORS UP TO Rs. 25.0 LAKH

SN	Name, Office Address of the Applicant in Gujarat State including U/T	Contact number	E-mail ID
i	Shree Electricals, 8/5. Vantage Point, 69sampatrao Colony, BPC Rd., Alkapuri, Vadodara	9825032710	shree.electricals94@gmail.com
2	Dharmesh A Mewada, 123, Sangath Mall-1, Opp. Govt. Engg. College, Visat Gandhinagar Highway, Motera, Ahmedabad-382481	9725043778	dharmeshmewada17@gmail.com
3	Kirti Traders, Jivan Mansion, Lati Bazar, Bhavnagar	9426548801	ananddoshi62@gmail.com
4	Dhriti Engineers, 28 Mahadevnagar Society, O/s Panigate, B/h Govind Rao Park, Ayurvedik, Vadodara-19	9998981088	dhritiengineers@gmail.com
5	Maya Tranformer & Electricals, C/9, Gopinath Society, Opp. SK Complex, India Colony mRd., Bapunagar, Ahmedabad-380024	9825716962	mayatrel@yahoo.com
6	NK Electricals, SB/B3, Indraprasth Complex, Ellora Park, Vadodara-390007	9825061543	ketanna@gmail.com
7	Urmi Electric Co., B/5 Jaimini Society, Nava Vadaj, Ahmedabad-13	9825342374	urmiele22@gmail.com
8	Jay Engineers, F/5 Mansi Apartment, B/h Galaxy Cinema, Naroda, Ahmedabad-382330	98244031888	kumudrathod@yahoo.co.in
9	Pooran Chand Sharma & Sons, 1/70, W.H.S. Timber Market, Kirti Nagar, New Delhi - 110015	9810111055, 01141420277	sds.pcss@gmail.com
10	Perameter Engineering Projects, 7&8, Third Floor, Jyoti Plaza, Shyasmal Cross Road, Ahmedabad 380015	07940060596, 07940060597	naidu@parameter.in
11	R S Enterprises, C-74, Patel Nagar, Raisen Road, Bhopal MP. 462022	9826961063, 9425378197	rsenterprises73@gmail.com
12	Mamta Electrical, 68 Shram Jivi Soc no 1 Umara, Ichanatha, Surat	9898599899	hem_sukhadia@yahoo.com
13	Sai Electrical Works, 19/2/28, Store Lane, S.A. Breivi road, bahadur manzil, fort, Mumbai	9820326854	saielectricworks@gmail.com



Annexure-"B"

LIST OF EMPANELLED ELECTRICAL CONTRACTORS UP TO Rs.50.0 LAKH

Name, Office Address of the Applicant in Gujarat State including LVT	Contact number	E-mail ID
Rudra Enterprise, B-9, Akahardeep Complex, Sanskar Mandal Chowk, Talaja Rd., Bhavnagar	9428996994	rudraenterprisework@gmail.com
RB Trading Co., 9 GF, HH Trust Building, Nr. Kothari Pole, Gandhi Rd., Ahmedabad—1	9033077332	rbtrading99@yahoo.co.in
Bhagat Electricals, 101, Shailja Saaaankul, Nr. Amrepali Railway Crossing, Raiya Rd., Rajkot	9825165426	bhagatelectricals@yahoo.co:in
Kruti Electrical, 626, Mandir Street, Mota Varacha, Surat	9723454883	archkrut@gmail.com
System Protection, 301/2, silverline Complex, Opp 88C Tower, Sayajigan], Vadodara - 390005	2652225137	info@systemprotection.in
	Rudra Enterprise, B-9, Akahardeep Complex, Sanskar Mandal Chowk, Talaja Rd., Bhavnagar RB Trading Co., 9 GF, HH Trust Building, Nr. Kothari Pole, Gandhi Rd., Ahmedabad—1 Bhagat Electricals, 101, Shailja Saaaankul, Nr. Amrepali Railway Crossing, Raiya Rd., Rajkot Kruti Electrical, 626, Mandir Street, Mota Varacha, Surat System Protection, 301/2, silverline Complex, Opp	Rudra Enterprise, B-9, Akahardeep Complex, Sanskar Mandal Chowk, Talaja Rd., Bhavnagar RB Trading Co., 9 GF, HH Trust Building, Nr. Kothari Pole, Gandhi Rd., Ahmedabad—1 Bhagat Electricals, 101, Shailja Saaaankul, Nr. Amrepali Railway Crossing, Ralya Rd., Rajkot Kruti Electrical, 626, Mandir Street, Mota Varacha, Surat System Protection, 301/2, silverline Complex, Opp 2652225137



Annexure-"B"

LIST OF EMPANELLED ELECTRICAL CONTRACTORS UP TO Rs. 100.0 LAKH

SN	Name and Office Address	Contact number	E-mail ID
1	Alpha Enterprise, A/2, Shri Hari Co;ony, Lad Society Rd., Nehru Park, Vastrapur, Ahmedabad-15	9408281388	info@alphaenterprise.co.in
2	Janta Electric Co., Shop No. 6, Bldg. 3, Chaitanya CHS, Opp. Ram Mandir Rd., SV Rd., Goregaon (W), Mumbai-400104	7208000817	jantaelectriccompany@yahoo.in
3	Power Control, 18, Sursarthi Complex, B/H Rudra Complex, Ambawadi, Ahmedabad-6	9327030790	info@pawercontrol.com
4	Indian Electric Carporation, 1-A Hemali Bunglows Nr. Old ptwa nursing home, Opp. Kachhi Samaj,Paldi Ahmedabad.7	9327578375, 9825306291	info@lecprojects.co.in
5	Parth Energy Solutions, Shop No 1, Sai Darshan Apt, Santosh Park Main Road, 150ft Ring Road, Rajkot 360007	9998517133	parth_energy@rediffmail.com
6	Aum Electric Engineering Pvt. LTD. Plot No 7 Kadiwala Street Opp. Shivram Dyeing, Behind Kiran Mortors, Surat 395002	9825093003, 9879593825	aumelectric1994@yahoo.co.in
7	Bhavani Construction, 212, 2nd Floor, Ratandeep Complex, Opp. Central Selt, Waghawadi Road, Bhavnagar	9427262860/ 9428078876	bhavani const@yahoo.in





FORMTENDER

To, The Asst Gen Manager State Bank of India SAO-5,NAVSARI, 396445 Dear Sir,

Having examined the drawings, specification, design and schedule of quantities relating to the works specified in the memorandum hereinafter set out and having visited and examined the site of the works specified in the said memorandum and having acquired the requisite information relating thereto as affecting the tender, I/We hereby offer to execute the works specified in the said memorandum at the rates mentioned in the attachedScheduleofQuantitiesandinaccordanceinallrespectswiththespecifications, design,drawingsandinstructionsinwritingreferredtoinconditionsoftender,theArticle s

of Agreement, Special Conditions, Schedule of Quantities and Conditions of Contract and with such materials as are provided for by, and in all other respects in accordance with such conditions so far as they may be applicable.

MEMORANDUM

Descriptionofwork	Proposed Electrical works of SBI
	UNAIBRANCH,DISTNAVSARI,SAO-5NAVSARI.
Earnest Money	Rs.4,700/-bymeansofDemandDraft/PayOrder from any scheduled Nationalized Bank drawn in favor of of State Bank of India and payable at NAVSARI.(Contractors registered with 'MSME UDYAM' need not submit EMD. Instead of EMD, theyshouldsubmitregistrationcertificateof
Percentage,ifany,tobe deductedfromBillsandtotalamount to be retained	'MSMEUDYAM') 10 % from Running Bills, subject to maximum Total5%ofcontractamountoractualFinalBill value.
Time allowed for completion of the Works from fourteenth day after the dateofwrittenorderordateofhanding overofthesite(whicheverislater)to	30days



commencethework

I/Wehavedepositedasumof**Rs.4,700**/-ofthetotaltenderamountasEarnestMoneywith theSBIwhich isnottobearanyinterest.ShouldI/We failtoexecutetheContractwhen called upon to do soI/ We do hereby agree that this sum shall be forfeited by me/us to State Bank of India.



1) OurBankersare:			
i)			
ii)			
Tł	henamesofpartnersofourfirmare:i) ii)		
N	lameofthepartnerofthefirm Authorizedtosign		
0)r		
(N	NameofpersonhavingPowerofAttorneytosigntheContract.)		
(C	CertifiedtruecopyofthePowerofAttorneyshouldbeattached)		
Yo	ours faithfully,		
Si	ignatureofContractors.		
.			
Si	ignatureandaddressesofWitnesses		
i)			
ii))		



SAMPLEBUISNESSRULEDOCUMENT

ONLINEE-TENDERINGFORELECTRICALWORKOF SBIUNAIBRANCH, DIST.-NAVSARI, SAO-5NAVSARI.

(A) BusinessrulesforE-tendering:

- 1. Only Bank'sempaneledELECTRICALWORKcontractorswithSBlunder appropriate categorywho are invited by the project Architect/SBI shall only be eligible to participate.
- 2. SBIwillengagetheservicesofanE-tenderingserviceproviderwhowillprovidenecessarytraining and assistance before commencement of online bidding on Internet.
- 3. In case of e-tendering, SBI will inform the vendor in writing, the details of service provider to enablethem to contact and get trained.
- 4. Business rules like event date, closing and opening time etc. also will be communicated through serviceprovider for compliance.
- 5. Contractors have to send by email, the compliance form in the prescribed format (provided by service provider), before start of E-tendering. Without this the vendor will not be eligible to participate in the event.
- 6. TheContractorswillberequiredtosubmitthevariousdocumentsinsealedEnvelopetotheoffice ofAsst.GeneralManager,SAO-5,NAVSARlattheaddressmentionedhereinbeforebythestipulated datei.e.(1)DemandDraftofspecifiedamountofEMD,(2)Processcomplianceformdullysigned. Contractors not submittingany one ormore documents shall not be eligible to participate in the on-line price bidding.
- 7. E-tenderingwillbeconductedonscheduledate&time.
- 8. Thee-tenderingwillbetreatedasclosedonlywhenthebiddingprocessgetsclosedinall respects for the item listed in the tender.

(B) Terms&conditionsofE-tendering:

SBI shall finalizetheTender throughe-tenderingmode forwhichM/s. AntaresSystemsLimited hasbeen engaged by SBI anauthorized service provider.Pleasego through the guidelinesgiven belowand submit your acceptance to the same along with your Commercial Bid.

- 1. E-tendering shall be conducted by SBI through M/s. Antares Systems Limited, on prespecifieddate. Whilethe Contractors shall be quoting from their own offices/place of their connectivity and other paraphernalia requirements shall have to be ensured by Contractors themselves. In the event of failure of their Internet connectivity, (due to any reason what so ever it may be) it is the bidders' responsibility

 Inorder toward-off such contingents it uation bidders are requested to make all thenecess any arrangements / alternatives such as back—up power supply what ever required so that they areable to circumvent such situation and still be able to participate in the E-tendering successfully. Failure of power at the premises of Contractors during the E-tendering cannot be the cause for not participating in the E-tendering.

 On account of this the time for the E-tendering cannot be eventualities.
- 2. M/s. Antares Systems Limited, shall arrange to train your nominated person(s), without any cost to you. They shall also explain you all the Rules related to the E-tendering. You are required to give your compliance on it before start of bid process.



- 3. BIDDING CURRENCY ANDUNIT OF MEASUREMENT: Bidding will be conducted in Indiancurrency & Unit of Measurement will be displayed in Online E-tendering.
- 4. BIDPRICE: The Bidderhast oquote the rate asperthe Tender Document provided by SBI through their appointed Architects.
- 5. VALIDITY OF BIDS: The Bid price shall be firm for a period specified in the tender document and shall not be subjected to any change whatsoever.
- 6. Procedureoff-tendering:

i. OnlineE-tendering:

- (a) ThehardcopyoftheTechnicalaswellasPriceBidisavailableontheBank'swebsiteduringthe periodspecifiedintheNIT.
- (b) Online e-tendering is open to the empaneled bidders who receive NIT from the Architect and qualified for participating in the price bidding as provisions mentioned hereinabove through SBI approved ServiceProvider.
- (c) The Price-Bidshall be made availableonline by the ServiceProviderwherein thecontractors will be required to fill-in their item- wise rates for each item.
- (d) TheContractorsareadvisednottowaittillthelastminutetosubmittheironlineitem-wisequote intheprice bid to avoid complications related with internet connectivity, network problems, system crashdown, power failure, etc.
- (e) It is mandatory to all the bidders participating in the price bid to quote their rates for each and everyitem.
- (f) In case, contractor fails to quote their rates for any one or more tender items, their tender shall betreated as "Incomplete Tender" and shall be liable for rejection.
- 7. LOG IN NAME & PASSWORD: Each Bidder is assigned a Unique User Name & Password by M/s. Antares Systems Limited. The Bidders are requested to change the Password after the receipt of initial Password from M/s. Antares Systems Limited. All bids made from the LoginID given to the bidder will be deemed to have been made by the bidder.
- 8. BIDS PLACED BY BIDDER: Bids will be taken as an offer to execute the work as specified. Bids oncemade, cannot be cancelled/with drawn and the Biddershall be bound to execute the work at the quoted bid price. In case the L1Bidder backsout or fails to complete the work as per the quoted, SBI shall have the liberty to take action as deemed necessary including depaneling such contractors and for feiting their EMD/EMD amount through any means and imposing heavy penalty to contractor to recover the losses occurred to the Bank.
- 9. At the end of the E-tendering process, SBI will decideupon the winner. SBI decision on award of Contract shall be final and binding on all the Bidders.
- 10. SBIshallbeatlibertytocanceltheE-tenderingprocess/tenderatanytime,beforeordering,without assigning any reason.
- 11. SBIshallnothaveanyliabilitytobiddersforanyinterruptionordelayinaccesstothesite irrespective ofthe cause.
- 12. Othertermsandconditionsshallbeasperyourtechno-commercialoffersandother correspondences till date

13. OTHERTERMS&CONDITIONS:



- TheBiddershallnotinvolvehimselforanyofhisrepresentativesinPricemanipulationofanykind directly or indirectly by communicating with other suppliers/ bidders.
- TheBiddershallnotdivulgeeitherhisBidsoranyotherexclusivedetailsofSBItoanyotherparty.
- SBIdecisiononawardofContractshallbefinalandbindingonalltheBidders.
- SBIreservetheirrightstoextend,rescheduleorcancelanyE-tenderingwithinitssolediscretion.
- SBI or its authorized service provider M/s. Antares Systems Limited shall not have any liabilitytoBiddersforanyinterruptionordelayinaccesstothesiteirrespectiveofthecause.
- SBI or its authorized service provider M/s. Antares Systems Limited is not responsible for any damages, including damages that result from, but are not limited to negligence.
- SBI or its authorized service M/s. Antares Systems Limited will not be held responsible for consequentialdamages, including but not limited to system sproblems, in ability to use the system, loss of electronic information, etc.

N.B.

- All the Bidders are required to submit the Process Compliance Statement (Annexure-II) duly signed to M/s. Antares Systems Limited.
- All the bidders are requested to ensure that they have a valid digital signature certificate well in advance to participate in the online event.



PROCESSCOMPLIANCESTATEMENT(ANNEXURE II)

(Thebiddersarerequiredtoprintthisontheircompany's letterhead and sign, stampbeforee-mailing)

To,

M/s.AntaresSystemsLimited, Mr.KushalBose MobileNo.:+919674758719 e-Mail:kushal.b@antaressystems.com

AGREEMENTTOTHEPROCESSRELATEDTERMSANDCONDITIONSFORTHEONLINEE-TENDERINGFOR ELECTRICAL WORK OF SBI UNAI BRANCH, DIST.-NAVSARI, SAO-5NAVSARI.

DearSir,

ThishasreferencetotheTerms&ConditionsfortheE-tenderingmentionedintheTenderdocument This letter is to confirm that:

- 1) Theundersignedisauthorizedrepresentativeofthecompany.
- 2) WehavestudiedtheCommercialTermsandtheBusinessrulesgoverningtheE-tenderingas mentioned in RFP of SBI as well as this document and confirm our agreement to them.
- 3) WealsoconfirmthatwehavetakenthetrainingontheE-tenderingtoolandhaveunderstood the functionality of the same thoroughly.
- 4) We confirm that SBI and M/s. Antares Systems Limited shall not be liable &responsiblein any mannerwhatsoeverformy/ourfailuretoaccess&bidonthee-E-tenderingplatformduetoloss of internet connectivity, electricity failure, virus attack, problems with the PC, any other unforeseen circumstances etc. before or during the E- tendering event.
- 5) WeconfirmthatwehaveavaliddigitalsignaturecertificateissuedbyavalidCertifying Authority.
- 6) We,herebyconfirmthatwewillhonortheBidsplacedbyusduringtheE-tenderingprocess.

Withregards, Date:
SignaturewithcompanysealName:
Company/ Organization:
DesignationwithinCompany/Organization:AddressofCompany/Organization: Scan
it and send to this Document on



(OnNon-JudicialStamppaperofappropriatevalue)

<u>ARTICLESOFAGREEMENT</u>

Articles of	of	Agreement	made	this		day
between S	tateBank	OfIndia,abody,cor	poratecons	titutedundertl	neStateBankOfIndiaActand	having
itsCorpora	teofficea	tMadamecamaRo	ad,Mumba	i. hereinafterca	${\sf alled the Bankwhich expression}$	onsshall
includeitss	uccessor	sandassignsoftheo	nepartand_	(name&ad	dressof contractor)	
	herei	naftercalledthe"Co	ontractor"w	hichexpression	shallincludethe successors	and assignsof
the other	oart.					
WHEREAS:	theBankis	desirousofexecuti	ngthework	ofInteriorDecor	ation&Furnishingwork:	
ELECTRICA	L WORK	of SBI UNAIBRAN	CH,DISTNA	AVSARI,SAO-51	NAVSARI for State Bank	
of India ar be prepare			ecifications,	and schedule	of quantities etc. describing	the works to
ANDWHER	REASforth	esaidconstruction	oflocalRegio	onalOfficeBuild	ingforStateBankofIndiaatNA	AVSARI,
Terms&Co of the part	-	•	heSchedule	ofitems,quanti	tiesetc.,havebeensignedbya	ındon behal ^ı
ANDWHER	EAStheCo	ontractorhasagree	dtoexecute	upon,subjectto	the conditions set for thhere i	nand
inthetende	ereddocu	mentsincludingallo	corresponde	encesexchange	sof Contract, specificationse dbyorbetweenthepartiesfro ofwhicharecollectivelyhereir	mthe
				· ·	bed in the schedule attache	
		•			e said specification and inc	=
	•				thamountingtothesumasth	
		•	•		d at or such other sum as	

NOWITISHEREBYAGREEDASFOLLOWS:

1. Inconsiderationofthesaidcontractamounttobepaidatthetimeandinthemannersetforthinthe said conditions, the contractor shall upon and subject to the said conditions execute and complete theworkshowninthesaiddrawingsanddescribedinthesaidspecificationsandthescheduleofitems and quantities, as per the terms and conditions contained in the said conditions.

payable there under (hereinafter referred to as "the said contract amount")

- 2. The Bankshallpay the Contractorsaidcontractamount, or suchother sum as shall become payable, at the time and in the manner specified in the said conditions.
- 3. The Architects in the said condition shall mean the <u>Ar.VISHAL PAERKH ARCHITECT AND INTERIORDESIGNER</u>, <u>409</u>, <u>kinaro apartment</u>, <u>near makkai pool</u>, <u>nanpura</u>, <u>SURAT 395001</u> In the event of their ceasing to be the Architects for the purpose of this contract for whatever reason, such other person or persons as shall be nominated for that purpose by the Bank, provided always that no person subsequently appointed as Architects under this contract shall be entitled to disregard or



over rule any previous decisions or approvals or directions given or expressed in writing by the Architects for the time being.

- 4. The said general condition, Special condition, technical drawings, Notice Inviting Tender, specifications, Guarantee, Instruction to Tenderers PriceBid (Schedule of Quantities), Correspondences, Letter of Acceptance, Agreements and Appendices there to, contained in the tendereddocuments/saidconditionsshallbereadandconsideredasformingpartofthisAgreement, and the parties hereto shall respectively abide by, submit themselves to the said conditions and perform the agreements on their part respectively in the said conditions contained therein.
- 5. The plans, agreements and documents mentioned herein shall form the basis of this contract. This contractisneitherafixedLumpSumcontractbutisacontracttocarryouttheworkinrespectofthe "Interior Decoration & Furnishing work: ELECTRICAL WORK of SBI UNAI BRANCH, DIST.-NAVSARI, SAO-SNAVSARIfor State Bank of India as per the scope described and to be paid for according to actual measured quantities at the rates contained in the Schedule of Rates and /or negotiated rates and Probable quantities or as provided in the said conditions.
- 6. The Bank reserves to itself the rights of altering the specifications and nature of the work by adding to oromitting any itemsofworkor having portionsofthe same carriedoutwithout prejudice to this contract.
- 7. (a)The Contractors represent that they have experience and competent staff which willenable them to ensure proper quality check on the materials, whether brought by the contractors or suppliedbytheBanktothecontractors,andwhichwillensurethatthecontractorwillcarryout proper tests as required by the specifications and will supervise the day to day working and execution of the contract work.
 - (b) If the contractors have any doubt about the quality of the materials or any difficulty in supervision of the day to day work it shall be duty of the contractors to report the matter in writing forthwith to the Bank and for the time being suspend that portion of the work about which difficulty is experienced, and the contractors will abide by the directions given by the Bank.
 - (c) Thecontractors are aware that the Bankwill not gived a yt oday supervision but will periodically supervise and the contractor has to perform their obligations under the instructions given to him periodically and under sub clauses (a) and (b) above.
 - (d) Thecontractorscovenantandwarrantthatcompleteditemsofworkaswellastheentirework on completion will be in conformity with the specifications and the terms and conditions contained in the said conditions and will be of contract quality and description.
 - (e) The employer reserves to itself the right of altering the drawings and nature of the work by adding to or omitting any items of work or having portions of the same carried out without prejudice to this contract.
- 8. Time shall be considered as the essence of this contract and the contractor hereby agrees to commence the work on the day on which he is instructed to take possession of the site or from the fourteenth day after the day of issue of formal Work Order as provided for in the said conditions whichever is later and to complete the entire work within 30 days subject nevertheless to the provisions for the extension of time.



- 9. AnydisputearisingunderthisAgreementshallbereferredtoarbitrationinaccordancewiththe stipulation laid down in the general conditions of contract.
- 10. The contents of this contract agreement have been read by the contractor and fully understood by the contractor.

IN WITNESS WHERE OF the Bank and the Contractor have set their respective hands to these Presents and two duplicates here of the day and year first here in above written (If the Contractor is a Partner ship Firm or an Individual.

IN WITNESS WHERE OF the Bank has set its hands to these presents through its duly authorized official andthecontractorhascauseditscommonsealtobeaffixedhere untoandthesaidduplicateshave/has causedthesepresentsandthesaidtwoduplicateshereoftobeexecutedonitsbehalf,thedayandyear first here in above written (If contractor is a Company).

Signatureclause:	
SIGNEDANDDELIVERED	
BythehandofShri(NameandDesignation)	Assistant General Manager of State Bank Of India
Inpresenceof	
Address	
2.	Address
(Witness)	
SIGNED AND DELIVERED by individual, should be signed by all pa	(If theContractor isaPartnership Firmoran artners or by duly authorized person on behalf of all partners)
(1)	
(2)	
Address	
(Witness)	

THE COMMON SEAL OF

was hereinto affixed pursuant to the

resolution By Board of Directors at the Meeting held on (If the Contractor signs under its common



$\underline{seal, the Signature Clause should tally with the sealing clause in the Articles of Association)}$

SIGNEDANDDELIVEREDby (1) (2)	
1)Address	
Address	
(Witness)	
SIGNED AND DELIVERED by the hand of Power of Attorney , whether a Company or Individual)	(Ifthe Contractor has signed by
(1)Address	
(2)Address	
(Witness)	



SECTION-

1INSTRUCTIONS TO THE TENDERERS

1.0 Scopeofwork

SealedTendersareinvitedbySBIonbehalfofSBIforProposedElectricalworksfor**SBI UNAIBRANCH,DIST.-NAVSARI,SAO-5NAVSARI**.

1.1 Siteandits location

The proposed work is to be carried out at **SBI UNAI BRANCH, DIST.-NAVSARI, SAO-5 NAVSARI**

Tenderdocuments

2.0 Theworkhastobecarriedoutstrictlyaccordingtotheconditionsstipulatedinthetender consisting of the following documents and the most workmen like manner.

Instructions to tenderers
GeneralconditionsofContract
Special conditions of Contract
Additional Specifications
Drawings
Pricedbid

- **2.1** Theabovedocumentsshallbetakenascomplementaryandmutuallyexplanatoryofone another but in case of ambiguities or discrepancies, shall take precedence in the order given below;
 - a) PriceBid
 - b) Additional Specifications
 - c) Technical specifications
 - d) Drawings
 - e) Specialconditions of contract
 - f) Generalconditions of contract
 - q) InstructionstoTenderers
- **2.2** Complete set of tender documents including relative drawings can be downloaded from the website www.sbi.co.in
- **2.3** Thetenderdocumentsarenottransferable.



 ${\it 3.1} \qquad The tenderer must obtain himselfonhis own responsibility and his own expenses all$



informationand datathatmaybe requiredforthe purpose offillingthis tenderdocument and enter into a contract for the satisfactory performance of the work. The tenderer is requested satisfy himself regarding the availability of water, power, transport and communication facilities, the character quality and quantity of the materials, labour, the law-and-order situation, climatic conditions local authorities requirement, traffic regulations etc; The tenderer will be fully responsible for considering the financial effect of any or all the factors while submitting his tender.

4.0 Earnest Money:

- 4.1 The tenderers are requested to submit the Earnest Money of Rs.4,700/-by means of DemandDraft/PayOrder(Validforaperiodof 90Daysfromthelastdateof submission ofthetender)fromanyscheduledNationalizedBankdrawninfavorofSBlandpayable at NAVSARI.(Contractors registered with 'MSME UDYAM' need not submit EMD. Instead of EMD, they should submit registration certificate of 'MSME UDYAM')
- 4.2 EMD in any other form other than as specified above will not be accepted. Tender not accompanied by the EMD in accordance with clause 4.1 above shall be rejected.
- 4.3 Nointerestwillbe paidontheEMD.
- 4.4 EMDof unsuccessfultendererwillberefundedwithin20Daysofawardof Contract.
- 4.5 EMDof successfultendererwillberetainedasapartofsecuritydeposit.
- 5.0 InitialSecurityDeposit:

The successful tenderer will have to submit a sum equivalent to 2% of accepted tender

valuelessEMDbymeansofDDdrawninfavorofSBIPayableatNAVSARIwithinaperiod of 7 days of acceptance of tender.

5.1 <u>SecurityDeposit:</u>

Totalsecuritydepositshallbe5%ofcontractvalue.Outofthis**NIL**ofcontractvalueisin the form of Initial Security Deposit (ISD) which includes the EMD. Balance 3% shall be deducted from the running account bill of the work at the rate of 10% of the respective



runningaccountbilli.e.,deductionfromeachrunningbillaccountwillbe@10%tillTotal Security Deposit (TSD) reaches to 5% of contract value. The 50% of the Total Security Deposit shall be paid to the contract on the basis of architect's certifying the virtual completion. The balance 50% would be paid to the contractors after the defects liability period as specified in the contract.

5.2 AdditionalSecurityDeposit:

1.0 ADDITIONALSECURITYDEPOSITE(ASD)/ADDITIONALPERFORMANCEGUARANTEE(APG)(IF THE QUOTED AMOUNT IS BELOW 7.5% THAN THE ESTIMATED AMOUNT)

The tenderer have top ay additional security deposit (ASD)/additional performance



guarantee (APG) shall be applicable if the quoted bid price amount is more than 7.5% below than the estimated cost put to the tender. the Additional Security Deposit (ASD) /

APGshallbethedifferenceamountbetween 92.5% of estimated costamount and quoted amount by the lowest bidder after the reverse auction. The bidder must submit it with the letter of undertaking (Performance guarantee) and deposit within 7 days of reverse auction. The work order is is sued after the submission of additional security deposits uccessfully paid by the bidder. No interest shall be paid on this additional security deposit amount retained by the back. And it will be release after defect labiality period of the project. If the successful bidder fail to deposit the amount within stipulated given time, the agency will be

black listed from the empanel ment for 3 years without any notice & EMD will be seized by bank.

No interest shall be paid to the amount retained by the Bank as Security Deposit forthedefectliabilityperiodofoneyearfromthedatevirtualcompletioncertificate (VCC).

However, interest on FDR for additional security deposit will be received by the bidder.

5.3 <u>SigningofcontractDocuments:</u>

The successful tenderer shall be bound to implement the contract by signing an agreement and conditions of contract attached herewith within 30 days from the receipt of intimation of acceptance of the tender by the Bank. However, the written acceptance of the tenders by the Bank will constitute a binding agreement between the Bank and successfultendererwhethersuchformalagreementissubsequentlyenteredintoornot.

6.0 Completion Period:

Timeisessenceofthecontract. Theworkshould becompleted in all respect accordance with the terms of contract within a period of **30 days** from the date of award of work.

7.0 Validity oftender:

Tendersshallremainvalidandopenforacceptanceforaperiodof90daysfromthedate of e-reverse auction. If the tenderer withdraws his/her offer during the value period or makes modifications in his/her original offer which are not acceptable to Bank without prejudice to any other right or remedy the Bank shall be at liberty forfeit the EMD.

8.0 Liquidated Damages:

Theliquidateddamagesshallbe0.50%perweeksubjecttoamaximumof5%ofcontract value.



9.0 Rateandprices:

9.0.1Incaseofitemrate tender:

Thetenderersshallquotetheirratesforindividualitemsbothinwordsandfigure.Incase of discrepancy between the rate quoted in words and figures, the unit rate quantity

wordswillprevail.Ifnorateisquotedforaparticularitemthecontractorshallnotbepaid for that item when it is executed. The amount of each item shall be calculated and the

requisitetotalisgiven. In case of discrepancy between the unit rate and the total amount calculated from multiplication of unit rate and the quantity the unit rate quoted will govern and the amount will be corrected.

Thetenderersneednotquotetheirratesforwhichnoquantitieshavebeengiven.Incase



the tenderers quote their rates for such items those rates will be ignored and will not be considered during execution.

The tenderers should not change the units as specified in the tender. If any unit is changedthetenderswouldbeevaluatedaspertheoriginalunitandthecontractorwould be paid accordingly.

The tenderer should not change or modify or delete the description of the item. If any discrepancy is observed he should immediately bring to the knowledge of the Architect/ SBI

EachpageoftheBOQshallbesignedbytheauthorizedpersonandcuttingoroverwriting shall be duly attested by him.

Eachpageshallbetotaledandthegrandtotalshallbe given.

The rate quoted shall be firm and shall include all costs, allowances, materials, labours, taxes etc. except G.S.T, which shall be payable / reimbursed at actual

TheSBIreservetheirrightstoacceptanytenders, either inwhole or in part or may entrust the work in phases or may drop the part scope of work at any stage of the project within its sole discretion without assigning any reason(s) for doing so and no claim / correspondence shall be entertained in this regard.

SIGNATUREOFTHECONTRACTORWITHSEAL



1.0Definitions:-

"Contract means the documents forming the tender and the acceptance thereof and the formal agreement executed between SBI. (client) and the contractor, together with the documents referred there in including these conditions, the specifications, designs, drawingsand instructionsissuedfromtime to timebythe Architects/Bankandallthese documents taken together shall be deemed to form one contract and shall be complementary to one another.

In the contract the following expressions shall, unless the context otherwise requires, have the meaning hereby respectively assigned to them.

'SBI'shallmeanSBIhavingits **Dy.GeneralManager(B&O),Admin.Office,Surat** and includes the client's representatives, successors and assigns.

- 1.0.1 'Architects/ Consultants' shall mean Ar. VISHAL PAERKH, Architects & Interior Designers, SURAT.
- 1.0.2 'Site Engineer' shall mean an Engineer appointed by the SBI at site as their representative for day-to-day supervision of work and to give instructions to the contractors.
- 1.0.3 'TheContractor'shallmeantheindividualorfirmorcompanywhetherincorporate not,undertakingtheworksandshallincludelegalpersonalrepresentativeofindividualor the composing the firm or company and the permitted assignees of individual orfirms of company.

Theexpression'works'or'work'shallmeanthepermanentortemporaryworkdescription in the "Scope of work" and/or to be executed in accordance with the contract includes materials, apparatus, equipment, temporary supports, fittings and things of kinds to be provided, the obligations of the contractor hereunder and work to be done by the contractor under the contract.

- 1.0.4 'Engineer'shallmeantherepresentativeoftheArchitect/consultant.
- 1.0.5 'Drawings' shall mean the drawings prepared by the Architects and issued by the Engineerandreferredtointhespecificationsandanymodificationsofsuchdrawingsas may be issued by the Engineer from time to time Contract value shall mean value of



the

entireworkasstipulatedintheletterofacceptanceoftendersubjectsuchadditionsthere to or deductions there from as may be made under the provide herein after contained.

1.0.6 Specifications' shall mean the specifications referred to in the tender and modifications thereof as may time to time be furnished or approved by the Architect/Consultant.



- 1.0.7 "Month" meanscalendar month.
- 1.0.8 "Week" means seven consecutive days.
- 1.0.9 "Day"meansacalendardaybeginningandendingat00Hrsand24Hrs respectively.
- 1.1.11 "SBI Engineer" shall mean The Civil/Electrical Engineer in-charge of the Project, asnominatedbythe Dy. General Manager (B&O), Admin. Office, Surat.
- 1.1.12 The following shall constitute the Joint Project Committee (herein under referred to as JPC) for assessing and reviewing the progress of the work on the project and to issue instructions or directions from time to time for being observed and followed by the Architects Site Engineer / PMC and other consultants / contractors engaged in the execution of the project.
- i) AGM,,NAVSARIofSBI
- ii) SBIEngineer(CivilandElectrical)in-chargeof theProject
- iii) ConcernedpartneroftheArchitectsandtheirResidentArchitect Member.

CLAUSE

1.0 TotalSecurityDeposit

TotalSecuritydepositcompriseofEarnestMoneyDeposit,Initialsecuritydepositand Retention Money

1.1 EarnestMoneyDeposit-

ThetenderershallfurnishEMDof**Rs.4,700**/-intheformofDemanddraftorbankerscheque drawn in favour of of SBI Payable at NAVSARI, on any Scheduled Bank. No tender shall

consideredunlesstheEMDissodepositedintherequiredform.Nointerestshallbepaid on this EMD. The EMD of the unsuccessful tenderer shall be refunded soon after the decision to award the contract is taken without interest. The EMD shall stand absolutely forfeited if the tenderer revokes his tender at any time the period when he is required to keep his tender open acceptance by the SBI or after it is accepted by the SBI, the contractor fails to enter into a formal agreement or fails to pay the initial security deposit as stipulated or fails to commence the commence the work within the stipulated time. (Contractorsregisteredwith'MSMEUDYAM'neednotsubmitEMD.InsteadofEMD, they should submit registration certificate of 'MSME UDYAM')

1.2 <u>InitialSecurityDeposit (ISD)</u>

The amount of ISD shall be **NIL** of accepted value of tender in the form of DD/Fixed Deposit Receipt (FDR) drawn on any scheduled Bank and shall be deposited within



30 days from the date of acceptance of tender.

1.3 Retention Money:

Besides the SD as deposited by the contractor in the above said manner, the Retention money shall be deducted from the running account bill at the rate of 10% of the gross value of work done by the contractor and claimed in each bill provided the total security depositi.e.ISDplusEMDplusRetentionMoneyshallbothtogethernotexceed5%ofthe



contract value. The 50% of the total security deposit shall be refunded to the contractor

withoutanyinterestonissueofVirtualCompletioncertificatebytheArchitect/consultant.

Thebalance50%ofthetotalsecuritydepositshallberefundedtothecontractorswithout interest withinfifteendays aftertheend of defects liabilityperiod provided the contractor has satisfactorily attended to all defects in accordance with the conditions of contract including site clearance.

2.0 Language:

Thelanguageinwhichthecontractdocumentsshallbedrawnshallbein English.

3.0 Errors, omissions and discrepancies:

Incaseoferrors, omissions and/ordisagreement between written and scaled dimensions on the drawings or between the drawings and specification setc., the following orders hall apply.

- i) Betweenscaledandwrittendimension(ordescription)onadrawing,thelattershallbe adopted.
- ii) Betweenthewrittenorshowndescriptionordimensionsinthedrawingsandthe corresponding one in the specification the former shall be taken as correct.
- iii) Betweenwrittendescriptionoftheiteminthespecificationsanddescriptionsinbillsof quantities of the same item, the former shall be adopted:
- a) Incaseofdifferencebetweenrateswritteninfiguresandwords,therateinwordsshall prevail.
- b) Between the duplicate / subsequent copies of the tender, the original tender shall be taken as correct.

4.0 ScopeofWork:

Thecontractorshallcarryoutcompleteandmaintainthesaidworkineveryrespectstrictly accordancewiththiscontractandwiththedirectionsofandtothesatisfactionBanktobe communicatedthroughthearchitect/consultant.Thearchitect/consultantatthedirections of the SBI from time to time issue further drawings and / or write instructions, details directions and explanations which are here after collectively references to as Architect's

/ consultant's instructions in regard to the variation or modification of the design, quality orquantityof anywork ortheadditionoromission orsubstitution work.



Anydiscrepancy in the drawings or between BOQ and / or drawings and/or specifications. The removal from the site of any material brought thereon by the Contractor and any substitution of any other materials therefore the removal and/or re- execution of any work executed by him. The dismissal from the work of any person engaged the re upon.

5.0 i) LetterofAcceptance:

Within the validity period of the tender the SBI shall issue a letter of acceptance directly

orthroughthearchitectbyregisteredpostorotherwisedepositingattheofthecontractor as given in the tender to enter into a Contract for the execution of the work as per

termsofthetender. The letter of acceptance shall constitute a bind contract between the SBI and the contractor.



ii)ContractAgreement:

OnreceiptofintimationoftheacceptanceoftenderfromtheSBI/Architectthesuccessful tenderer shall be bound to implement the contract and within fifteen days there of shall sign an agreement in a non-judicial stamp paper of appropriate value.

6.0 Ownershipofdrawings:

Alldrawings, specifications and copies thereoffurnished by the SBI through its Architect /consultants are the properties of the SBI They are not to be used on other work.

7.0 **Detaileddrawingsandinstructions:**

TheSBIthroughitsarchitects/

consultantsshallfurnishwithreasonableproperadditional instructions by means of drawings or otherwise necessaryfor the execution of the work. All such drawings and instructions shall be consistent with contract documents, true developments thereof and reasonably inferable there.

Theworkshallbeexecutedinconformitytherewithandthecontractorprepareadetailed programme schedule indicating therein the date of start and completion of various activities on receipt of the work order and submit the same to the SBI through the architect/consultant

7(a)Copies of agreement:

Two copies of agreement duly signed by both the parties with the drawings shall be handed over to the contractors.

8.0 **Liquidateddamages:**

If the contractor fails to maintain the required progress in terms of clause 6.0 of GOC or to complete the work and clear the site including vacating their office on or before

the contractedorextendeddateorcompletion, without justification in support of the cause of delay, he may be called upon without prejudice to any other right of remedy available under the law to the SBI on account of such breach to pay a liquidated damages at the rate of 0.50% of the contract value which subject to a maximum of 5% of the contract value.

9.0 Materials, Appliances and Employees:

Unless or otherwise specified the contractors hall provide and pay for all materials, labour,

water, power, tools, equipment transportation and any other facilities that are required far. Vishal Parekh 34 Sign & Seal of contractor



or the satisfactory execution and completion of the work. Unless or otherwise specified all materials shall be new and both workmanship and materials shall be best quality. The contractorshallatalltimesenforcestrictdisciplineandgoodorderamonghisemployees and shall not employ on the work any unfit person or anyone not skilled in the work assigned to him. Workman whose work or behavior is found to be unsatisfactory by the SBI /Architect/ consultant he shall be removed from the site immediately.

10.0 Permits, Lawsand Regulations:

 $Permits and licenses required for the execution of the workshall be obtained by the {\it the execution} and {\it the execution} and {\it the execution} are the {\it the execution} and {\it the execution} are the {\it the execution} and {\it the execution} are the {\it the execution} and {\it the execution} are the {\it the execution} and {\it the execution} are the {\it the execution} and {\it the execution} are the {\it the execution} and {\it the execution} are the {\it the execution$



contractor at his own expenses. The contractor shall give notices and comply with the regulations, laws, and ordinances rules, applicable to the contract. If the contractor observes any discrepancy between the drawings and specifications, he shall promptly notify the SBI in writing under intimation of the Architect/ Consultant. If the contractor performs any act, which is against the law, rules and regulations he shall meet all the costs arisingthereform and shallindemnifythe SBI anylegal actions arisingtherefrom.

11.0 **SettingoutWork:**

The contractor shall set out the work and shall be responsible for the true and perfect setting out of the same and for the correctness of the positions, levels, dimensions, and alignment of all parts thereof and get it approved by the architect / consultant before proceeding with the work. If at any time any error in this respect shall appear during the progress of the works, irrespective of the fact that the layout had been approved by, the architect / consultant the contractor shall be responsible for the same ad shall his own expenses rectify such error, if so, required to satisfaction of the SBI

12.0 Protection ofworks and property:

The contractor shall continuously maintain adequate protection. of all his work from damage and shall protect the SBI's properties from injury or loss arising in connection with contract. He shall make good any such damage, injury, loss, except due to causes beyond his control and due to his fault or negligence.

He shall take adequate care and steps for protection of the adjacent properties. The contractor shall take all precautions for safety and protections of his employees on the works and shall comply with all applicable provisions of Govt. and local bodies' safety lawsandbuildingcodestopreventaccidents, or injuries to persons or property on about or adjacent to his place of work. The contractor shall take in surance covers as perclause at his own cost. The policy may be lodged with the SBI

13.0 **Inspection of work:**

The SBI/Architect/Consultantortheir representatives shall at all reasonable times have free access to the work site and / or to the workshop, factories, or other places where materials are lying or from where they are obtained and the contractor shall give every facility to the SBI/Architect/consultant and their representatives necessary for inspection and examination and test of the materials and work manship. No person unless authorize



d by the SBI/ Architect

/Consultant except the representative of Public authorities shall be allowed on the work

atanytime. The proposed work either during its construction stage or its completion can also be inspected by the Chief Technical Examiner's Organization a wing of Central Vigilance commission.

14.0 **Assignmentand subletting:**

The whole of workincluded in the contract shallbe executed the contractorand he shall not directly entrust and engage or indirectly transfer, assign or underlet the contract

or anypartorsharethereoforinterestthereinwithoutthewrittenconsentoftheSBIthrough



the Architectand noundertaking shall relieve the contractor from the responsibility of the contractor from active & superintendence of the work during its progress.

15.0 Qualityof materials, workmanship&Test:

All materials and workmanship shall be best of the respective kinds described in the contract and in accordance with Architect/consultant instructions and shall be subject from time to time to such tests as the architect/consultant may direct at the place of manufactureorfabricationoronthesiteoranapprovedtestinglaboratory. The contractor shall provide such assistance, instruments, machinery, labor, and materials as are normally required for examining measuring sampling and testing any material or part of workbeforeincorporation in the workfortesting as may be selected and required by the architect/consultant.

ii) Samples:

All samples of adequate numbers, size, shades & pattern as per specifications shall be

supplied by the contractor without any extracharges. If certain items proposed to be used are of such nature that samples cannot be presented or prepared at the site detailed literature / test certificate of the same shall be provided to the satisfaction of the Architect/consultant before submitting the sample/literature the contractor shall satisfy himself that the material / equipment for which he is submitting the sample / literature meet with the requirement of tender specification. Only when the samples are approved in writing by the architect/consultant the contractor with shall proceed the procurement and installation of the particular material/equipment. The approved samples shall by the signed by the Architect / Consultant for identification and shall be kept on record at site office until the completion of the work for inspection / comparison at any time. The Architect/Consultant shall take reasonable time to approve the sample. Any delay that might occurinapproving the samples for reasons of its not meeting the specifications or other discrepancies inadequacy in furnishing samples of best qualities from various manufacturers and such other aspects causing delay on the approval of the materials / equipment etc. shall be to the account of the contractor.

iii) Costof tests:

The costof makinganytest shallbeborne bythe contractorif suchtest is intendedbyor provided for in the specification or BOQ.



iv) Costsoftestsnotprovidedfor:

IfanytestisorderedbytheArchitect/Consultantwhichiseither

a) If so intended by or provided for or (in the cases above mentioned) is not so particularized, or though so intended or provided for but ordered by the Architect

Consultanttobecarriedoutbyanindependentpersonatanyplaceotherthanthesiteor the place of manufacture or fabrication of the materials tested or any Government / approved laboratory, then the cost of such test shall be borne by the contractor.

16.0 Obtaininginformationrelatedtoexecutionofwork:

No claim by the contractor for additional payment shall be entertained which is consequentuponfailureonhisparttoobtaincorrectinformationastoanymatte raffecting



the execution of the work nor any misunder standing or the failure to obtain correct information relieve him from any risks or from the entire responsibility for the fulfillment of contract.

17.0 Contractor's superintendence:

The contractor shall give necessary personal superintendence during the execution the works and as long, thereafter, as the Architect/Consultant may consider necessary until the expiry of the defects liability period, stated hereto.

18.0Quantities:

The bill of quantities (BOQ) unless or otherwise stated shall be deemed to have been prepared in accordance with the Indian Standard Method of Measurements and quantities. The rate quoted shall remain valid for variation of quantity against individual

itemtoanyextent.TheentireamountpaidunderClause19,20hereofaswellasamounts of prime cost and provision sums, if any, shall be excluded.

19.0 Works tobe measured:

TheArchitect/

Consultantmayfromtimetotimeintimatetothecontractorthatherequires the work to be measured and the contractor shall forthwith attend or send a quantity representative to assist the Architect in taking such measurements and calculation and to furnish all particulars or to give all assistance required by any of them. Such measurementsshallbetakeninaccordancewiththeModeofmeasurementsdetailinthe specifications. The representative of the Architect / Consultant shalltake measurements with the contractor's representative and the measurements shall be entered in the measurement book. The contractor or his authorized all representative shall sian the pagesofthemeasurementbookinwhichthemeasurementshavebeenrecordedintoken of his acceptance. All the corrections shall be duly attested by both representatives. No over writings shall be made in the M book should the contractor not attend or neglect or omitto depute his representative to take measurements themeasurements recorded by the representative of the Architect/consultant shall be final. All authorized extra work, omissions and all variations made shall be included such measurement.

20.0 Variations:

No alteration, omission or variation ordered in writing by the Architect/consultant vitiates the contract. In case the SBI/ Architect / Consultant thinks proper at any during



progressofworkstomakeanyalterationin,oradditionstooromissionfromtheworksor any. Alteration in the kind or quality of the materials to be used therein, the Architect / Consultant shall give notice thereof in writing to the contractor shall confirm

in writing

withinsevendaysofgivingsuchoralinstructionsthecontractshallalterto,addto,oromit fromasthecasemaybeinaccordancewithsuchbutthecontractorshallnotdoanywork extra to or make any alterations or additions to or omissions from the works or any

deviation from any of the provisions of the contract, stipulations, specifications or contract

drawingswithoutpreviousconsentinwritingoftheArchitect/Consultantandthevalueof such extras, alterations, additions or omissions shall in all cases be determined by the

Architect/Consultantandthesameshallbeaddedtoordeductedfromthecontractvalue, as the case maybe.



21.0 Valuation of Variations:

No claim for an extra shall be allowed unless it shall have been executed under the authority of the Architect / Consultant with the concurrence of the SBI as herein mentioned. Any such extra is herein referred to a sauthorized extra and shall be made in accordance with the following provisions.

- (i) The net rates or prices in the contract shall determine the valuation of the extra work where such extra work is of similar character and executed under similar conditions as the work price herein.
- (ii) Ratesforallitems, wherever possible should be derived out of the rates given in the priced BOQ.

The net prices of the original tender shall determine the value of the items omitted,

providedifomissionsdonotvarytheconditionsunderwhichanyremainingitemsof Works are carried out, otherwise the prices for the same shall be valued under sub-Clause 'c' hereunder.

Where the extra works are not of similar character and/or executed under similar conditions as aforesaid or where the omissions vary the conditions under which any remaining items or works are carried out, then the contractor shall within 7 days of the receipt of the letter of acceptance inform the Architect/ consultant of the rate which he intends to charge for such items of work, duly supported by analysis of the rate or rates claimedandthe Architect/consultant shallfixsuch rateorpricesasin the circumstances in his opinion are reasonable and proper, based on the market rate.

Whereextraworkcannotbeproperlymeasuredorvaluedthecontractorshallbeallowed dayworkpricesatthenetratesstatedinthetender,oftheBOQor,ifnot,sostatedthen in accordance with the local day work rates and wages for the district; provided that in either case, vouchers specifying the daily time (and if required by the Architect/Consultant) the workman's name and materials employed be delivered for verificationstotheArchitect/consultantatorbeforetheendof theweek followingthatin which the work has been executed.

Itisfurtherclarifiedthatforallsuchauthorizedextraitemswhereratescannotbederived fromthetender,theContractorshallsubmitratesdulysupportedbyrateanalysisworked on the 'market rate basis for material, labour hire / running charges of equipment and wastages etc. plus 15% towards establishment charges, contractor's overheads and profit. Such items shall, not be eligible for escalation.



22.0 Finalmeasurement:

Themeasurementandvaluationinrespectofthecontractshallbecompletedwithintwo months of the virtual completion of the work.

23.0 VirtualCompletionCertificate (VCC):

On successful completion of entire works covered by the contract to the full satisfaction of the SBI, the contractors hallens ure that the following works have been completed the



satisfactionoftheSBI:

Clearthesiteofallscaffolding, wiring, pipes, surplus materials, contractor's labour equipment and machinery.

Demolish, dismantle and remove the contractor's site office, temporary works, structure including labour sheds/camps and constructions and other items and things whatsoever brought upon or erected at the site or any land allotted to the contractor by the SBI not incorporated in the permanent works.

Removeallrubbish,debrisetc.fromthesiteandthelandallottedtothecontractorbythe SBI and shall clear, level and dress, compact the site as required by the SBI

Shall put the SBI in undisputed custody and possession of the site and all land allot by the SBI

ShallhandovertheworkinapeacefulmannertotheSBI

All defects / imperfections have been attended and rectified as pointed out by the Architects to the full satisfaction of SBI

Upon the satisfactory fulfillment by the contractor as stated above, the contractor is

entitledtoapplytotheArchitect/consultantissatisfiedofthecompletionofwork.Relative towhichthecompletioncertificatehasbeensought,theArchitect/consultantshallwithin fourteen(14)daysofthereceiptoftheapplicationforcompletioncertificate,issueaVCC in respect of the work for which the VCC has applied.

This issuance of a VCC shall not be without prejudice to the SBI rights and contractor

liabilitiesunderthecontractincludingthecontractor's liability for defects liability nor shall the issuance of VCC in respect of the works or work at any site be construction as a waiver of anyright or claim of the SBI against the contractor in respect of orwork at the site and in respect of which the VCC has been issued.

24.0 Work byother agencies:

The SBI / Architect / consultant reserves the rights to use premises and any portion the

siteforexecutionofanyworknotincludedinthescopeofthiscontractwhichitmaydesire to have carried out by other persons simultaneously and the contractor shall not only allowbutalsoextendreasonablefacilitiesfortheexecutionof suchwork. The contractor however shall not be required to provide any plant or Ar. Vishal Parekh

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material for the execution of such workexceptbyspecialarrangementwiththeSBI.Suchworkshallbecarriedoutinsuch manner as not to impede the progress of the works included in the contract.

25.0 Insuranceofworks:

Withoutlimitinghisobligations and responsibilities under the contract the contractorsh all insure in the joint names of the SBI And the contractor against all loss of damages from whatever cause arising other than the excepted risks, for which he is responsible under the terms of contract and in such a manner that the SBI and contractor are covered for the period stipulated I clause of GCC and are also covered during the period of



maintenance for loss or damage arising from a cause, occurring prior to the commencementoftheperiodofmaintenanceandforanylossordamageoccasionedby the contractor in the course of any operations carried out by him for the purpose of complying with his obligations under clause.

The Works for the time being executed to the estimated current Contract value thereof, or such additional sum as may be specified together with the materials for incorporation in the works at their replacement value.

The constructional plant and other things brought on to the site by the contractor to the replacement value of such constructional plant and other things.

Suchinsuranceshallbeeffectedwithaninsurerand intermsapprovedbytheSBIwhich approval shall not be unreasonably withheld and the contractor shall whenever required produce to the Architect / consultant the policyif insurance and the receiptsforpayment of the current premiums.

<u>26.0 Damagetopersons and property:</u>

Thecontractorshall, exceptifiands of arasthecontract provides otherwise indemnify the SBI against all losses and claims in respect of injuries or damages to any person or material or physical damage to any property what so ever which may arise out of or in consequence of the execution and maintenance of the works and against all claims proceedings, damages, costs, charges and expenses what so ever in respect of or in relation thereto except any compensation of damages for or with respect to:

- a) Thepermanentuseoroccupationoflandbyoranypartthereof.
- b) TherightofSBItoexecutetheworksoranypartthereofon,over,under,inorthrough any lands.
- c) Injuries or damages to persons or properties which are unavoidable result of the execution or maintenance of the works in accordance with the contract.
- d) Injuries or damage to persons or property resulting from any act or neglect of the SBI theiragents, employees orothercontractors not being employed by the contractor or in respect of any claims, proceedings, damages, costs, charges and expenses in respect thereoforin relation the retoor where the injury or damage was contributed to by the contractor, his servants or agents such part of the compensation as may be just and equitable having regard to the extent of the responsibility of the SBI, their employees, or agents or other employees, or agents or other contractors for



the damage or injury.

27.0 ContractortoindemnifySBI:

The contractor shall indemnify the SBI against all claims, proceedings, damages, costs, chargesandexpensesinrespectofthemattersreferredtointheprovisionsubclause

26.0 of this clause.

28.0 Contractor's superintendence:



The contractor shall fully indemnify and keep indemnified the SBI against any action,

claim,orproceedingrelatingtoinfringementoruseofanypatentordesignoranyalleged patent or design rights and shall pay any royalties which may be payable in respect to anyarticle or part thereof included in the contract. In the event of anyclaim made

oractionbroughtagainstSBIinrespectofsuchmattersasaforesaidthecontractorshall beimmediatelynotifiedthereofandthecontractorshallbeatliberty,athisownexpenses to settle any dispute or to conduct any litigation that may arise there from, provided that the contractor shall not be liable to indemnify the SBI if the infringement of the patent or designoranyallegedpatent or designrightisthedirectresultof anorderpassedbythe Architect / consultant in this behalf.

29.0 Third PartyInsurance:

Before commencing the execution of the work the contractor but without limiting his

obligationsandresponsibilitiesunderclause25.0ofGCCshallinsureagainsthisliability for any material or physical damage, loss, or injury which may occur to any property including that of SBI, or to any person, including any employee of the SBI, by or arising outoftheexecutionoftheworksorinthecarryingoutofthecontract, otherwisethandue to the matters referred to in the provision to clause 25.0 thereof.

30.0 Minimum amount of Third PartyInsurance:

Suchinsuranceshallbeaffectedwithaninsurerand intermsapprovedbytheSBIwhich approval shall not be reasonably withheld and for at least the amount stated below. The contractor shall, whenever required, produce to the. Architect / consultant the policy or policies of insurance cover and receipts for payment of the current premiums.

The minimum insurance cover for physical property, injury, and death is Rs.5 Lakh per occurrence with the number of occurrences limited to four. After each occurrence contractor will pay additional premium necessary to make insurance valid for four occurrences always.

31.0 AccidentorInjurytoworkman:

TheSBIShallnotbeliablefororinrespecttoanydamagesorcompensationpayableat lawinrespectorinconsequenceofanyaccidentorinjurytoanyworkmenorotherperson in the employment of the contractor or any sub-contractor, save and except an



accident or injury resulting from any act or default of the SBI or their agents, or employees. The contractor shall indemnify and keep indemnified SBI against all such damages and compensation, saveand except as a foresaid, and against all claims, proceedings, costs, charges and expenses what so ever in respect thereof or in relation thereto.

32.0 Insuranceagainstaccidentsetc.toworkmen:

The contractor shall insure against such liability with an insurer approved by the SBI During the whole of the time that any persons are employed by him on the works and shall, when required, produce to the architect / consultant such policy of insurance and receipt for payment of the current premium. Provided always that, in respect of any persons employed by any sub-contractor the contractor's obligation to insured as aforesaidunderthissub-clauseshallbesatisfiedifthesub-contractorshallhaveinsured

against the liability in respect of such persons in such manner that SBI is indemnified



under the policy but the contractor shall require such sub-contractor to produce to the

Architect/consultantwhensuchpolicyofinsuranceandthereceiptforthepaymentofthe current premium.

33.0 Remedyoncontractor's failure to insure:

If the contractor fails to effect and keep in force the insurance referred to above or any otherinsurancewhichhemayberequiredtoeffectunderthetermsofcontract, then and inanysuchcasetheSBI mayeffectandkeepinforceanysuchinsuranceandpaysuch premiumorpremiums as may be necessary for that purpose and from time to time deduct the amount so paid by the SBI as a foresaid from any amount due or which may be come due to the contractor, or recover the same as debt from the contractor.

Without prejudice to the others rights of the SBI against contractors. In respect of such

default, the employers hall be entitled to deduct from any sums payable to the contractor the amount of any damages costs, charges, and other expenses paid by the SBI And which are payable by the contractors under this clause. The contractor shall upon

settlementbytheInsurerofanyclaimmadeagainsttheinsurerpursuanttoapolicytaken under this clause, proceed with due diligence to rebuild or repair the works destroyed

damaged.InthiseventallthemoniesreceivedfromtheInsurerinrespectofsuchdamage shall be paid to the contractor and the Contractor shall not be entitled to any further

paymentinrespectoftheexpenditureincurredforrebuildingorrepairingofthematerial s or goods destroyed or damaged.

34.0 Commencement of Works:

Thedateofcommencementoftheworkwillbereckonedfromthedate ofawardofletter by the SBI

35.0 Time forcompletion:

Timeisessenceofthecontractandshallbestrictlyobservedbythecontractor. Theentire work shall be completed within a period of 30 **Days** from the date of commencement. If required in the contract or as directed by the Architect / consultant. The contractor shall complete certain portions of work before completion of the entire work. However, the completion date shallbe reckoned as the date by which the wholework is completed as per the terms of the contract.



36.0 Extensionoftime:

If, in the opinion of the Architect/consultant, the work be delayed for reasons beyond the control of the contractor, the Architect/consultant may submit a recommendation to the SBI to grant a fair and reasonable extension of time for completion of work as per the termsof contract.If contractorneedsanextension of timeforthe completion of work or if the completion of work is likely to be delayed for any reasons beyond the due date of completion as stipulated in the contract, the contractor shallapply to the SBI Through the Architect' Consultant in writing at least 30 Days before the expiry of the scheduled timeandwhile applyingforextensionof timehe shallfurnishthereason indetailandhis justification if an', for the delays. The architect/consultant shall submit their recommendationstotheSBIintheprescribedformatforgrantingextensionoftime .While



grantingextensionoftimethecontractorshallbeinformedtheperiodextendedtimewhi ch will qualify for levy of liquidated damages. For the balance period in excess of original stipulated period and duly sanctioned extension of time by the provision of liquidated damagesasstatedunderclause10.0shallbecomeapplicable.Furtherthecontractshall remain in force even for the period beyond the due date of completion irrespective

37.0 Rate of progress:

whether the extension is granted or not.

Whole of the materials, plant and labour to be provided by the contractor and the mode, manner and speed of execution and maintenance of the works are to be of a kind and conducted in a manner to the satisfaction of the Architect/consultant should the rate of progress of the work or any part thereof be at any time be in the opinion the. Architect / consultanttooSlowtoensurethecompletionofthewholeoftheworktheprescribedtime orextendedtimeforcompletiontheArchitect/consultantshallthereupontakesuchstep s as considered necessary by the Architect / consultant to expedite progress so as to

completetheworksbytheprescribedtimeorextendedtime. Such communications from the Architect / consultant neither shall relieve. The contractor from fulfilling obligations

underthecontractnorhewillbeentitledtoraiseanyclaimsarisingoutofsuchdirections.

38.0 Workduringnightsandholidays:

Subjecttoanyprovisiontothecontrarycontainedinthecontractnopermanentworkshall save as herein provided be carried on during the night or on holidays without the permission in writing of the Architect/consultant, save when the work is unavoidable

absolutelynecessaryforthesavingoflifeorpropertyorforthesafetyoftheworkinwhich case the contractor shall immediately advise the Architect / consultant. However the provisions of the clause shall not be applicable in the case of any work which becomes

essentialtocarrybyrotaryordoubleshiftsinordertoachievetheprogressandqualityof the partof the works being technicallyrequired / continued with the prior approval of the Architect / consultant at no extra cost to the SBI.

All work at night after obtaining approval from competent authorities shall be carried out without unreasonable noise and disturbance.



39.0 Nocompensationorrestrictionsofwork:

If at any time after acceptance of the tender SBI shall decide to abandon or reduce the scope of work for any reason whatsoever and hence not required the whole or any part of the work to be carried out. The Architect / consultant shall give notice in writing that effect to the contractor and the contractor shall act accordingly in the matter.

contractorshallhavenoclaimtoanypaymentofcompensationorotherwisewhatsoever onaccountofanyprofitoradvantagewhichhemighthavederivedfromtheexecutionof the Workfullybutwhichhedidnotderiveinconsequenceoftheforeclosureofthewhole or part of the work.

Provided that the contractor shall be paid the charges on the cartage only of materials

actually and bonafide brought to the site of the work by the contractor and rendered



surplusasaresultoftheabandonment, curtailment of the work or any portion thereof and then taken back by the contractor, provided however that the Architect/Consultant shall have in such cases the option of taking over all or any such materials at their purchase price or a local current rate whichever is less.

IncaseofsuchstoreshavingbeenissuedfromSBIstoresandreturnedbythecontractor to stores, credit shall be given to him at the rates not exceeding those at which were

originallyissuedtothecontractoraftertakingintoconsiderationanddeductionforclaim s on account of any deterioration or damage while in the custody of the contractor and in this respect the decision of Architect / consultant shall be final.

40.0 Suspensionofwork:

Thecontractorshall,onreceiptoftheorderinwritingoftheArchitect/consultant(whose decision shall be final and binding on the contractor) suspend the progress of works or any part the offer such time and in such manner as Architect/consultant may

necessarysoasnottocauseanydamageorinjurytotheworkalreadydoneorendanger the safety thereof for any of following reasons:

- a) Onaccountanydefaultonthepartofthecontractor,or
- b) Forproperexecution of the works or part thereof for reasons other than the default the contractor, or
- c) Forsafetyof theworksor partthereof.

The contractor shall, duringsuch suspension, properlyprotectandsecuretheworks the extent necessary and carry out the instructions given in that behalf by the Architect / consultant.

i)If thesuspensionisorderedforreasons (b)and(c)insub-para(i) above:

The contractorshallbeentitledto an extension of time equalto theperiod of everysuch suspension. No compensation whatsoever shall be paid on this account.

41.0 Actionwhen thewhole securitydeposit is forfeited:

In any case in which under any clause or clauses of this contract, the Contractor shall haverenderedhimselfliabletopaycompensationamountingtothewholeof hissecurity

deposittheArchitect/consultantshallhavethepowertoadoptanyofthefollowingcourse as they may deem best suited to the interest of the SBI:

Torescindthecontract(ofwhichrescissionnoticeinwritingtothecontractorby-Architect / consultant shall be conclusive evidence) and in which case the security, deposit of the contractor shall be forfeited and be absolutely at the disposal of SBI.



ToemploylabourpaidbytheSBIandtosupplymaterialstocarryoutthework,orpartof the work, debiting the contractor with the cost of the labour and materials cost of such

labourandmaterialsasworkedoutbytheArchitect/consultantshallfinalandconclusive against the contractor) and crediting him with the value of the work done, in all respects in the same manner and at the same manner and at the same rates as if it had

carriedoutbythecontractorunderthetermsofthiscontractcertificateofarchitect /consultantastothevalueofworkdoneshallbefinalconclusiveagainstthecontractor.



To measure up the work of the contractor, and to take such part thereof as shall unexecuted, out of his hands, and to give it to another contractor to complete in which caseanyexpenses which may be incurred in excess of the sum which would have been paid to theoriginal contractor, if thewhole workhadbeen executedbyhim (Theamount of which excess the certificates in writing of the Architects / consultant shall conclusive)shallbebornebyoriginalcontractorandmaybedeductedanymoneydueto him by SBI under the contract or otherwise, or from his security deposit or the proceeds of sale thereof, or sufficient part thereof.

In the event of anyof above courses beingadopted bytheSBI the contractors hall have no claim to compensation for any loss sustained by him by reasons of his having purchased or procured any material or entered into any engagements or make any advances on account of, or with a view to the execution of the work ofthecontractandincasethecontractshallberescindundertheprovisionaforesaid, the contractor shall not be entitled to recover or to be paid any sum or any work for thereto actuallyperformedunderthiscontract,unless,anduntiltheArchitect/consultantwillhav certified in writing the performance of such work and the value payable in respect the reof,

and he shall only been titled to be paid the value so certified.

42.0 Owner's righttoterminatethecontract:

If the contractor being an individual or a firm commit any 'Act of insolvency' or shall be adjusted an insolvent or being an incorporated company shall have an order compulsorywindingupvoluntarilyorsubjecttothesupervisionofGovt.andoftheOfficial Assigneeoftheliquidatorinsuchactsof insolvencyorwindingup shallbeunable within seven days after notice to him to do so, to show to the reasonable satisfaction of the

Architect/Consultantthatheisabletocarryoutandfulfillthecontract, and to dyese curity therefore if so required by the Architect /Consultant.

Or if the contractor (whether an individual firm or incorporated Company) shall suffer execution to be issued or shall suffer anypayment under this contract to be attached by or on behalf of any of the creditors of the contractor.

OrshallassignorsubletthiscontractwithouttheconsentinwritingoftheSBIthroughthe Architect/Consultant or shall charge or encumber this contract or any payment



due to which may become due to the contractor there under:

hasabandonedthecontract;or

has failed to commence the works, or has without any lawful excuse under these conditions suspended the progress of the worksfor14 days afterreceiving from the SBI through the Architect / consultant written notice to proceed, or

has failed to proceed with the works with such diligence and failed to make such due

progressaswouldenabletheworkstobecompletedwithinthetimeagreedupon,orhas failedtoremovethematerialsfromthesiteortopulldownandreplaceworkwithinseven daysafterwrittennoticefromtheSBIthroughtheArchitect/Consultantthatthesaid



materials were condemned and rejected by the Architect/ consultant under these conditions; or has neglected or failed persistently to observe and performal lorany of the acts matters or things by this contract to be observed and performed by the contact or formula of the contract of the contraction of the contract of the conseven days after written notice shall have been given to the contractor to observe or performthe sameorhas to the detriment of good workmanship or in defiance of the SBI or Architect's / consultant's instructions to the contrary subject any part of the contract. Then and in any of said cases the SBI and or the Architect / consultant, may not withstanding any previous waiver, after giving seven days' notice in writing to the contractor, determine the contract, but without the reby affecting the powers of the SBI or theArchitect/consultantortheobligationandliabilitiesofthecontractorthewholeofwhi ch shall continue in force as fully as if the contract had not been determined and as if the workssubsequentlyhadbeenexecutedbyoronbehalfofthecontractor.And,furtherthe SBIthroughtheArchitect/consultanttheiragentsoremployeesmayenteruponandtake possession of the work and all plants, took scaffoldings, materials, sheds, machineries lying upon the premises or on the adjoining lands or roads use the of by means same theirownemployeesorworkmenincarryingonandcompletingtheworkorbyengaging any other contractors or persons to the work and the contractor shall not in any interruptordoanyact, matterorthing to preventor hinders uch other contractor or other persons employed for complement and finishing or using the materials and plant for the works.

When the works shall be completed or as soon thereafter as convenient the SBI Or architect/consultant shall give a notice in writing to the contractor to remove his surplus materials and plants and should the contractor fail to do so within 14 days after receive thereof byhim the SBI sellthe same bypublication, andafterdue publication, and shall, adjust the amount realized by such auction. The contractor shall have no right to question any of the act of the SBI incidental to the sale of the materials etc.

43.0 Certificate of payment:

The contractor shall be entitled under the certificates to be issued by the Architect

consultanttothecontractorwithin10workingdaysfromthedateofcertificatetopaymen t

fromSBIFromtimetotimeSBIshallrecoverthestatutoryrecoveringotherduesincluding the retention amount from the certificate of payment. Provided always that the issue of any certificate by the Architect / consultant during progress of works or Ar.Vishal Parekh

Sign&Sealof contractor



completion shall not have effect as certificate of satisfaction relieve the contractor from his liability under clause.

TheArchitect/consultantshallhavepowertowithholdthecertificateiftheworkorinpart thereof is not carried out to their satisfaction. The Architect/consultant may by any certificate make any corrections required previous certificate.

The SBI shall modify the certificate of payment as issued by the architect/consultant from time to time while making the payment

The contractor shall submit interim bills only after taking actual measurements and properly recorded in the Measurement books.

TheContractorshallnotsubmitinterimbillswhentheapproximatevalueofworkdoneby him is less than **Rs. NIL**



The final bill may be submitted by contractor within a period of one month from the date of virtual completion and Architect/consultant shall is sue the certificate of payment within a period of two months. The SBI Shall pay the amount within a period of three months from the date of issue of certificate provided there is no dispute in respect of rates and quantities.

The contractors hall submitthe interimbills in the prescribed format with all details.

44.0

A. Settlementof Disputes and Arbitration:

Except where otherwise provided in the contract all questions and disputes to the meaningofthespecifications, design, drawings and instructions here in beforemention ed and as to the quality of workmanship or materials used on the work or as to any other question, claim, right, matter or thing whatsoever in any way arising out of or relating to the contract, designs, drawings specifications, estimates, instructions orders or these conditions or otherwise concerning the work or the execution or failure to execute the same whether arising during the progress of the work or after the cancellation, termination, completion or abandonment thereof shall be dealt with as mentioned hereinafter:

If the contractor considers that he is entitled to any extra payment or compensation in respect of the works over and above the amounts admitted as payable by the Architect or in case the contractor wants to dispute the validity of deductions recoveries madeorproposedtobemadefromthe any or contractorraiseanydispute, the contractorshall forthwithgivenoticeinwritingofhisclaim, ordisputeto The Dy. General Manager (B&O), SBI, Administrative Office, Surat and endorse a copy of the same to the Architect, within 30 Days from the date of disallowance thereoforthed at eof deduction or recovery. The said notice shall give full particulars of the claim, grounds on which it is based and detailed calculations of the amount claimed and the contractor shall not be entitled to raise any claim nor shall the SBI be in any way liable in respect of any claim by the contractor unless notice of such claim shall have been given by the CMGBSBI,AdministrativeOffice,Surat contractor to the Iinthemannerandwithinthetimeasaforesaid.

TheContractorshallbedeemedtohavewaivedandextinguishedallhisrightsinrespect ofanyclaimnotnotifiedtotheCMGBSBI,AdministrativeOffice,Surat inwritinginthe manner and within the time aforesaid.

B. SettlementofDisputesandArbitration:



The Dy. General Manager (B&O), Admin. Office, Surat shall give his decision in writing

ontheclaimsnotifiedbythereceiptofthecontractormaywithin20Daysofthereceiptof the decision of the Submit his claims to the conciliating authority namely the CDO., SBI, LHO, Ahmedabadfor conciliation along with all details and copies of correspondence exchanged between him and the SBI

If the conciliation proceedings are terminated without settlement of the disputes, the contractorshall, within a period of **20Days** of termination thereof shall give a notice to



theconcerned CDO.of theSBIforappointmentof an arbitratortoadjudicate thenotified

claimsfallingwhichtheclaimsofthecontractorshallbedeemedtohavebeenconsidered absolutely barred and waived.

Except where the decision has become final, binding and conclusive in terms of the contract, all disputes or differences arising out of the notified claims of the contractor

aforesaidandallclaimsoftheSBIshallbereferredforadjudicationthrougharbitrationby the Sole Arbitrator appointed by the CDO. and who will be of Deputy General Manager

rank.ItwillalsobenoobjectiontoanysuchappointmentthattheArbitratorsoappointed is a SBI,Officer and that hehad todeal with themattersto which the Contract relatesin

thecourseofhisdutiesasSBI,Officer.Ifthearbitratorsoappointedisunableorunwilling to act or resigns his appointment or vacates his office due to any reason whatsoever another sole arbitrator shall be appointed in the manner aforesaid by the said CDO. of the SBI Such person shall be entitled to proceed with the reference from the stage at which it was let by his predecessor.

It is a term of this contract that the party invoking arbitration shall give a list of disputes

withamountsclaimedinrespectofeachdisputealongwiththenoticeforappointment of arbitrator.

It is also a term of this contract that no person other than a person appointed by such Chief General Manager as aforesaid should act as arbitrator. The conciliation and arbitration shall be conducted in accordance with the provisions of the Arbitration

&ConciliationAct1996oranyoranyaccordancemodificationorreenactmentthereofan d the rules made there under.

ItisalsoatermofthecontractthatifanyfeesarepayabletotheArbitratortheseshallbe paidequallybyboththeparties.However,nofeeswillbepayabletothearbitratorifheis a SBI Officer.

ItisalsoatermofthecontractthattheArbitratorshallbedeemedtohaveenteredonthe reference on the date he issues notice to both the parties calling them to submit their statement of claims and counter statement of claims. The venue of the



arbitration shall be such place as may be fixed by the arbitrator in his sole discretion. The fees, if any of the arbitrators shall, if required to be paid before the award is made and published, be paid half and half by each of the parties. The Cost of the reference and of the award (including the fees, if any of the arbitrator) shall be in the discretion of the arbitrator who maydirecttoanybywhomanddinwhatmanner, such costs or any part thereof, shall be paid and fix or settle the amount of costs to be so paid.

45.0 Water supply:

Thecontractorshallmakehisownarrangementsforwaterrequiredfortheworkand nothing extra will be paid for the same. This will be subject to the following condition.

i) Thatthewaterusedbythecontractorshallbefitforconstructionpurposestothe



satisfactionoftheArchitect/consultant's.

- ii) The contractor shall make alternative arrangements for the supply of water if the arrangement made by the contractor for procurement of water in the opinion of the Architect / consultant is unsatisfactory.
- iii) In case contractor is permitted to use SBI source of water i.e. Municipal connection, Bore well(existingornew)etc., the SBI will recoveras perclause 51.0 of this document form the final bill of contractor.

The contractor shall construct temporary well / tube well in SBI land for taking water for construction purposes only after obtaining permission in writing from the SBI The contractor has to make his own arrangements for drawing and distributing the water at his own cost. He has to make necessary arrangements. To avoid any accidents or damages caused due to construction and subsequent maintenance of the wells. He has toobtainnecessaryapprovalsfromlocalauthorities,ifrequired,athisowncost.Heshall restore the ground to its original condition after wells are dismantled on completion of work or hand over the well to the SBI without any compensation as directed by the architect /consultant.

46.0 Powersupply:

The contractor shall make his own arrangements for power and supply / distribution

systemfordrivingplantormachineryfortheworkandforlightingpurposeathisowncost, thecostofrunningandmaintenanceoftheplantsareto beincludedinhistenderprices, Heshallpayallfeesandchargesrequired,bythepowersupplyandincludethesamein histenderedratesandholdtheownerfreefromallsuchcosts. Hehastoobtainnecessary approval from the appropriate authorities, if required.

In case contractor is permitted to use Bank's source of power supply provided at one point, the SBI will recover as per clause 51.0 of this document from the final bill of contractor.

47.0 Treasuretroveetc.

Any treasure trove, coin orobject antique which may be found on the siteshall be



theproperty of SBI and shall be handed over to the bank immediately.

48.0 Method ofmeasurement:

Unless otherwise mentioned in the schedule of quantities or in mode of measurement,

themeasurementwillbeonthenetquantitiesorworkproducedinaccordancewithupto date rules laid down by the Bureau of Indian Standards. In the event any dispute/disagreementthedecisionoftheArchitect/consultantshallbefinalandbindingonthe



corrector.

49.0 Maintenanceof registers:

The contractor shall maintain the following registers as per the enclosed perform at site of work and should produce the same for inspection of SBI /Architect / consultant whenever desired by them. The contractor shall also maintain the records / registers as required by the local authorities / Govt. from time to time.

- i) Registerforsecuredadvance
- ii) Registerforhindrancetowork
- iii) Registerforrunningaccountbill
- iv) Register forlabour

50.0 Force Majeure:

NeithercontractornorSBIshallbeconsideredindefaultinperformanceoftheobligation s if such performance is prevented or delayed by events such as but not war, hostilities revolution, riots, civil commotion, strikes, lockout, conflagrations, epidemics, accidents, fire, storms, floods, droughts, earthquakes or ordinances or any act of or for any other cause beyond the reasonable control of the party affected or prevents or delayed. However, anotice is required to be given within 30 Days from the happening of the event with complete details, to the other party to the contract, if it is not possible to serve a notice, within the shortest possible period without delay.

Assoonasthecauseofforcemajeurehasbeenremovedthepartywhoseabilityperform its obligations has been affected, shall notify the other of such cessation and the actual delay incurred in such affected activity adducing necessary evidence in support thereof.

From the date of occurrence of a case of for force majeure obligations of the party affected.

51.0 Waterpowerandotherfacilities:

Theratequotedbythecontractorshallincludeallexpensesthatarerequiredforprovidin g all the water required for the work and the contractor shall make his own arrangements

forthesupplyofgoodqualitywatersuitablefortheconstructionandgoodqualitydrinkin g water for their workers If necessary the contractor has to sink a tube well /openwellandbringwaterbymeansoftankersathisown costforthepurposeTheSBI will



not be liable to pay any charges in connection with the above

The rate quoted in the tender shall include the expenses for obtaining and maintaining power connections and shall pay for the consumption charges

The contractors for other trades directly appointed by the SBI shall be entitled to take power and water connections from the temporary water and power supply obtained by the contractorHowever,theconcerned contractorshallmaketheirown arrangementsto



drawthesupplyandpaydirectlytheactualconsumptionchargesatmutuallyagreedrates betweenthem. All municipal charges for drainage and water connection for Construction purposes shall be borne by the contactor and charges payable for permanent connections, if any, shall be initially paid by the contactor and the SBI will reimburse the amount on production of receipts.

The SBI as well as the Architect / consultant shall give all possible assistance to the Contractor's to obtain the requisite Permission from the various authorities, but the responsibility for obtaining the same in time shall be of the contractor.

IncasecontractorispermittedtouseBank'ssourceofwaterandpowersupplyprovided at one point, the SBI will recover @ 0.50% of final bill amount for water and electricity (combined) from the bill of contractor.

52.0 Facilitiesforcontractor'semployees:

The contractor shall make his own arrangement for the housing and welfare of his staff

andworkmenincludingadequatedrinkingwaterfacilities. The contractors hall also make

thearrangementsathisowncostfortransportwherenecessaryforhisstaffandworkmen to and from site of work at his own cost.

53.0 Lighting ofworks:

The contractor shall at all times provide adequate and approved lighting as required for the proper execution and supervision and inspection of work.

54.0 Firefightingarrangements:

The contractor shall provide suitable arrangement for firefighting at his own cost. This purpose he shall provide requisite number of fire extinguishers and adequate number of

buckets, someof which are to be always kept filled with sand and some with water these equipment shall be provided at suitable prominent and easily accessible place and shall be properly maintained.

Anydeficiencyin thefiresafetyorunsafe conditionsshallbecorrected bythecontractor athisowncostand,totheapprovaloftherelevantauthorities. The contractormakes the following arrangements at his own cost but not limited the following:

a) Properhandling, storage and disposal of combustible materials and waste.



- b) Workoperationswhichcancreatefirehazards.
- c) Accessforfire-fightingequipment.
- d) Type,numberandlocationofcontainersfortheremovalofsurplusmaterialsand rubbish.
- e) Type, size, number and location of fire extinguishers or other tire fighting equipment.
- f) Generalhousekeeping.

55.0 Siteorderbook:



A site order book shall be maintained at site for the purpose of quick communication between the Architect / Consultant. Any communication relating to the work may be conveyed through records in the site order book. Such a communication from one party to the other shall be deemed to have been adequately served in terms of contract Each site order book shall have machine numbered pages in triplicate and shall carefully maintained and preserved by the contractor and shall be made available to the architect

/consultant as and when demanded- Any instruction which the architect/consultant may liketoissuetothecontractororthecontractormayliketobringtothearchitect/consultant

two copies of such instructions shallbe takenfrom the siteorderbook andone copywill

behandedovertothepartyagainstproperacknowledgmentandthesecondcopywillbe retained for their record.

56.0 Temporaryfencing/barricading:

The contractor shall provide and maintain suitable temporary а and gates athis costtoadequatelyencloseallboundaries fencing/barricading ofthesitefortheprotection of the public and for the proper execution and security of the work and in accordance with the requirement of the architect/consultant and regulations of local authorities. These shall be altered, relocated and adopted from time to time as necessary and removed on completion of the work.

57.0 Site meetings:

Site meetings will be held to review the progress and quality evaluation. The contractor shall depute a senior representative along with the site representative and other staff of approved sub-contractors and suppliers as required to the site meetings and ensure all followupactions. Any additional review meetings shall he held if required by the architect/consultant.-

58.0 Disposal ofrefuse:

The contractor shall cart away all debris, refuse etc. arising from the work from the site and deposit the same as directed by the architect / consultant at his own cost. It is the responsibilityofthecontractortoobtainfromthelocalauthoritiesconcernedtotheeffect that all rubbish arising out of contractor's activities at the construction site or any



other off-site activities borrow pits has been properly disposed off.

59.0 Contractor to verifysite measurement:

The contractor shall check and verify all site measurements whenever requested other specialists contractors or other sub-contractors to enable them to prepare the own shop drawing and pass on the information with sufficient promptness as will in any way delay the works.

60.0 Displayingthenameofthework:

The contractor shall put up a name board of suitable size as directed by the architect/ consultant indicating there in the name of the project and other details as given by the architect/consultant at his own cost and remove the same on completion of work.

61.0 Asbuiltdrawings:

For the drawings issued to the contractor by the Architect / Consultant. The architect Consultant will issue two sets of drawings to the Contractor for the items for some changes have been made. From the approved drawings as instructed by the SBI / Architect / Consultant. The contractor will make the changes made on these copies and return these copies to the architect / Consultant for their approval.

In cases revision is requiredorthecorrections are not properly marked the architect / Consultant will point out the discrepancies to the contractor. The contractor will have to incorporated these

corrections and/oratten dto discrepancies either oncopies as directed by the architect / consultant and resubmit to him for approval. The architect / consultant will return one copy duly approved by him.

Forthedrawings preparedbythe contractor:

The contractor will modify the drawing prepared by him wherever the changes made by the SBI / architect / consultant. And submit two copies of such modified drawings to the architect/ consultant for approval. The architect / consultant will return one copy of the approved drawing to the contractor.

62.0 Approved make:



Thecontractorshallprovideallmaterialsfromthelistofapprovedmakesathisowncost and also appoint the specialized agency for the waterproofing, anti-termite treatment, aluminum doors and windows and any other item as specified in the tender. The architect/consultantmayapprove anymake/agency within theapproved list as given in the tender after inspection of the sample/mockup.

63.0 Procurementofmaterials:

Thecontractorshallmakehisownarrangementstoprocurealltherequiredmaterialsfor the work. All wastages and losses in weight shall be to the contractors account.

64.0 Exciseduty,taxes,leviesetc.;

The contractor shall pay and be responsible for payment of all taxes, duties, levies, royalties, fees, cess or charges in respect of the works including but not limited to sales tax, tax on works contract excise duty, and Octroi, payable in respect of materials, equipment plant and other things required for the contact. All of the aforesaid taxes. duties, levies, fees and charges shall be to the contractor's account and the SBIS hall not be required to pay any additional or extra amount on this account. Variation of taxes, duties, fees, levies etc. if any, till completion of work shall be deemed to be included in the quoted rates and no extra amount on this account. Variation of taxes, duties. fees. leviesetc.ifany,tillcompletionofworkshallbedeemedtobeincludedinthequoted rates and no extra claim on this account will in any case be entertained. If a new tax or duty or levy or cess or royalty or Octroi is imposed under as statutory law during the currency of contract the same shall be borne by the contractor. However, GST will be paid extra.

65.0 Acceptanceof tender:

The SBI shall have the right to reject any or all tenders without assigning any reason.

Theyarenottobindtoacceptthelowestoranytenderandthetendererortenderersshall have no right to question the acts of the SBI. However adequate transparency would be maintained by the SBI.

66.0Photographs:

The Contractor shall at his own expense supply to the Architects with duplicate hard copies of large photographs not less than 25 cm. x 20 cm. (10" x 8") of the



works, taken from two approved portions of each building, at intervals of not more than one months during the progress of the work or at every important stage of construction.

In addition to above, the contractor shall be bound to submit adequate no. of site photographsalongwitheachRunningBillfortheprojectclearingshowingmajorprogres s of work measured and claimed therein failing which the Architect/ SBI may consider returning the Bill to the contractor and no claim for delay on this account will be entertained.

67.0 SafetyCodes:

- 1. Firstaidappliancesincludingadequatesupplyofsterilizeddressingandcottonwoolshall be kept in a readily accessible place.
- 2. An injured person shall be taken to a public hospital without loss of time, in cases when the injury necessitates hospitalization.
- 3. Suitable and strong scaffolds should be provided for workmen for all works that cannot safely be done from the ground.
- 4. No portable single ladder shall be over 8 meters in length. The width between the side railsshallnotbelessthan30cm. (clear)andthedistancebetweentwoadjacentrunning's shall not be more than 30 cm. When a ladder is used an extra labour shall be engaged for holding ladder.
- 5. The excavated material shall not be placed within 1.5 meters of the edge of the trench half of the depth of trench whichever is more. All trenches and excavations shall be provided with necessary fencing and lighting.
- 6. Everyopeninginthefloorof abuildingorinaworkingplatformbeprovidedwithsuitable means to prevent the fall of persons or materials by providing suitable fencing or railing



whoseminimumheightshallbeonemeter.

- 7. No floor, roof orotherpart of the structure shallbe so overloaded with debris ormaterial as to render it unsafe.
- 8. Workers employed on mixing and handling material such as a sphalt, cement, mortar, concrete and lime shall be provided with protective footwear and rubber hand gloves.
- 9Thoseengagedinweldingworksshallbeprovidedwithwelders' protective eyeshield and gloves.
- 10. (i) No paint containing lead or lead products shall be used except in the form of paste readymade paint.
- (ii)Suitablefacemasksshouldbesuppliedforusebytheworkerswhenthepaintapplied in the form of spray or surface having lead paint dry rubbed and scrapped.
- 11. Overalls shall be supplied by the contractor to the painters and adequate facilities shall be provided to enable the working painters to wash during cessation of work.
- 12 Hoisting machinesand tackle used in theworks including theirattachments anchor and supports shall be in perfect condition.
- 13. The ropes used in hoisting or lowering material or as a means of suspension shall bedurable quality and adequate strength and free form defects.



1) NameoftheorganizationOffering Contract: *TheAsstGenManager* SAO-5,NAVSARI396445 Ar.VISHALPAERKH,NAVSARI 2) Consultants 3) SiteAddress SBI UNAI BRANCH, DIST.-NAVSARI, SAO-5NAVSARI. 4) Scope of Work Proposed Electrical works of SBI UNAI BRANCH, DIST.-NAVSARI, SAO-5NAVSARI. 5) Name of the Contractor 6) Address of the Contractor 7) Period of Completion **30days**fromthedateof Issue of work order. 8) EarnestMoneyDeposit Rs.4,700/bymeans of Demand Draft/Pay Order (Valid for a period of 90 Days from the last date of submission of the tender) from anyscheduledNationalizedBank drawn in favor of State Bank of India. and payable at NAVSARI. (Contractors registered with 'MSME UDYAM' need submit EMD. Instead of EMD, they should submit registration certificate of 'MSME UDYAM') 9) Retention Money Asperclauseno.1.4of general Conditions :TwelveMonthsfromthedateof 10) Defects Liability Period Virtual Completion.

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Sign&Sealof contractor

Ar. Vishal Parekh



11) Insurancetobeundertakenbythe: 125%ofContractValue

Contractor at his cost

(Contractor's all risk policy)

12) Liquidateddamages : 0.5%oftheContractamount



shown in the tenderperweek subject tomax. 5%of the contract value oractualfinalbill value.

13) Value of Interim Bill(Min.) : **Onlyfullandfinalpaymentshall be**

made after satisfactory completionofwork

14) Date of Commencement : From the date of work order

issued to the Contractor/ or

the day on which the

Contractor is

instructedtotakepossessionof the site whichever is earlier.

15) PeriodofFinalMeasurement : 2MonthsfromthedateofVirtual

Completion.

16) InitialSecurityDeposit : **NIL**oftheAcceptedValueoftheTender.

17) TotalSecurityDeposit : 5% of thefinalbillamount

includingISD.

18) RefundofinitialSecurityDeposit

comprising of EMD and ISD. : 50% of the Security

Depositshall be refunded to the Contractor on completion of the work and balance

refunded only

after the Defect Liability Period is

over.

19) PeriodforHonoringCertificate : OneMonthfor R.A.Bills

20) ThefinalbillwillbesubmittedbytheContractorwithinonemonthof thedatefixed for completion work and the Bill shall be certified within 3 months from the date of receiptoffinalbillprovidedthebillsaresubmittedwithallpre-requisite documents/test reports etc. prescribed in the tender.

Signatureof



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- 1	er	าฝ	Δ	ra	r
	CI	ıu	$\overline{}$		٠.

Date:



To, The Asst Gen Manager State Bank of India SAO-5,NAVSARI396445 DearSir.

<u>PROPOSEDELECTRICALWORKSOFSBIUNAIBRANCH, DIST.-NAVSARI, SAO-</u>5NAVSARI.

Havingexamined the terms& conditions, drawings, specifications, design relating to the

worksspecifiedinthememorandumhereinaftersetoutandhavingvisitedandexamined thesiteoftheworksspecifiedinthesaidmemorandumandhavingacquiredtherequisite information relating thereto and affecting the quotation, I/Weherebyoffer to execute the works specified in the said memorandum within the time specified in the said memorandum on the item rate basis mentioned in the attached schedule and in accordance in all respect with the specifications, design, drawings and instructions

writingreferredtoinconditionsofTender,thearticlesofagreement,conditionsofcontract and with such conditions so far as they may be applicable.

MEMORANDUM

	NO TANDOM	
(a)	Descriptionof work	ProposedElectricalworksofSBI UNAIBRANCH , DIST NAVSARI , SAO-5NAVSARI .
(b)	Earnest Money	Rs. 4,700-by means of Demand Draft / Pay Orderfrom anyscheduled Nationalized Bank drawn in favor of SBI and payable at NAVSARI.(Contractors registered with 'MSME UDYAM' need not submit EMD. Instead of EMD,theyshouldsubmitregistration certificateof'MSMEUDYAM')
(c)	Timeallowedforcompletionof work from the date of issue of workorder.	30days fromthedateofcommencementas per tender.

Should this tender be accepted, I/we hereby agree to abide by and fulfill the terms and provisions of the said conditions of Contract annexed hereto so far as they may be applicableorindefaultthereoftoforfeitandpaytoSBI,theamountmentionedinthesaid Ar.Vishal Parekh 79 Sign&Sealof contractor



conditions.

I/wehavedepositedDemandDraft/Banker'sChaqueforasumof**Rs.4,700**/-asEarnest money deposit with the State Bank of India. Should I/we do fail to execute the contract

when called upon to do so, I/we here by a greet hat this sums hall be for feited by me/us to SBI.

We understand that as per terms of this tender, the SBI may consider accepting our significant and the standard properties of t



tenderinpartorwholeormayentrusttheworkofvariousbuildingsproposed(i.e.Institute Building, Staff Qtrs. And Director's Bungalow/Interior work) in phases. We, therefore, undertake that we shall not raise any claim/compensation in the eventuality of Bank decidingtodropanyofthebuilding/buildingsfromthescopeofworkofthistenderatany stage during the contract period. Further, we also undertake to execute the work entrustedtousinphasesonourapprovedratesandwithinthestipulatedtimelimitwithou t any extra claim for price escalation as provided for in Clause 9.0.1 "Instructions to Tenderers" of this tender.

We, hereby, also undertake that, we will not raise any claim for any escalation in the pricesofanyofthematerialduringthecurrencyofcontract/execution/completio nperiod.

Yours faithfully,

Signature of contractor With Seal



i	Nameof Contractor/Agency	
1.	Named Contractor/Agency	•

ii. NameofWork :

iii. Sr. No. of thisBill:

iv. No.&DateofpreviousBill:

v. ReferencetoAgreementNo. :

vi. DateofWrittenorder tocommence:

vii. DateofCompletionasperAgreement :

S. No	Item Description	Unit	Rate (Rs.)	Aspe	AsperTender Up to PreviousR.A. Bill		Up to Date Present Bill			Remarks		
				Qty	Amount (Rs.)	Qty	Amount (Rs.)	Qty	Amount (Rs.)	Qty	Amount (Rs.)	
1	2	3	4	5	6	7	8	9	10	11	12	13

Note:

1.	Ifpartrate isallowedforanyitems, it shouldbeindicatedwithreasonsforallowing such a rate.	
		NetValuesinceprevious bill
2.	Ifad-hocpaymentismade,itshouldbe mentioned specifically.	



Themeasurementsonthebasisofwhichtheabove entriesforthe RunningBill No					
and are					
ofmeasurementbook					
anddateof Signatureanddateof tects Site Engineer					
neasurementshasbeendoneatthesite					
satisfactorily as per tender drawings, conditions and specifications.					
anddateofSiteEngineer					



TABLE -XV

MEMORANDUMFOR PAYMENT

R/ABILL NO.

1.	Total valueof workdonesince previous bill (A)	Rs
2.	Totalamountofsecuredadvancedue since Previous Bill (B)	Rs
3.	TotalamountduesincePreviousBill (C)(A+B)	Rs
4.	PVAonaccountofdeclarationinprice of Steel, Cement and other materials andlabourasdetailedinseparate statementsenclosed.	Rs
5.	TotalamountduetotheContractor	Rs
	OBJECTIONS:	
i)	SecuredAdvancepaidintheprevious R/A	Rs
ii)	Retentionmoneyonvalue of worksas per accepted tenders up to date amountRs.	Rs
	Lessalreadyrecovered	Rs
	Balancetobe recovered	Rs
iii)	MobilizationAdvance,ifany	Rs
(a)	Outstanding amount(principal+ interest) as on date	Rs
(b)	Toberecovered inthisbill	Rs
iii.	AnyotherDepartmentalmaterialscost to be recovered as per contract, if any	Rs
iv.	Any other Departmental service chargestoberecoveredifany,asper contract(water,poweretc.)enclose statement.	Rs

Thebillamountto Rs(bothfiguresar checkingofthemeasurementsofworkasrequireda	
Date:	SignatureofArchitec t with Seal



ThebillamounttoRscertifiedbyConsultantshasbeenscrutinizedbymeafterduetest checkingofmeasurementsofworksasrequiredandisrecommendedforpaymentforanamountof Rs
Date :
SignatureofBanks/SBIEngineer

	STATUTORYDEDUCTION:	
i)	TotalAmountdue(E)	Rs
ii)	LessI.T.Payable	Rs
iii)	LessS.T.Payable	Rs
	Net Payable	Rs

ThisfiguresgivenintheMemorandumforpayablehasbeenverifiedandbillpassedforpayment (inwordsandfigures)
Date:
SignatureoftheManager,SBINAVSARI



SPECIFICATIONOF MATERIALS

All the material to be used shall be as per the specified make of the materials list and ISI approved Brand. Any deviation from this shall be got approved from Architect/Owner, the contractor shall submits amples of material to be used for verifications and Produce Bill in original.

1. SAMPLES : Afterreceiptofthebidsbutpriortoawardofthecontract, bidder shall, Upon notification from owner submit samples of materialsheintendstoUse.

The owner shall reserve the right to evaluate the sample with regardtotheSpecificationbeforeawardofwork.Samplesas directed by the Architect / Owner for various items shall be prepared/broughtforapprovalwithoutAnycost.

Special Notes:

- a) Thesuccessfultenderedwillhavetosupplythemakeofthematerialsasrecommended andin consultation with the Client / Architect / Consultant without any extra cost. Client/Architect/Consultantreservetherightstochooseanymakeoutofabovelist.
- b) Tenderershouldhavetospecifythelistofmakesconsideredinthetenderwhilequoting the rates in the tender, in covering letter of separate letter enclosure. However, the final decision for accepting make specified by tenderer would be of client / Architect / Consultants.
- c) Asfaraspossible, the successful tenderer will have top lace or der directly to the manufacturer or it's authorized dealer.
- d) Theclient/Architect/ConsultanthaverighttoChecktheChallansof supplier.
- e) TheRCCB,RCBO,MCBandMCBDBsmustbeofsamemake.
- f) Makeofcomponentsrequiredtobeusedbycontractortocompletetheinstallation,if notmentioned anywhere, shall be requiredtoGOT itApproved byClient / Architect/ Consultant before installation in writing manner.
- g) Within a week of work order, the contractor shall submit the sample of each item / componentofabove-mentionedapprovedmakefortheapprovaloftheClient/Architect /Consultant.



APPLICABLESTANDARDS

<u>Sr.No.</u>	ISNo.		<u>Description</u>
1)	IS:2026-1977	:	
	3639	Distr	ibutingtransformers&fittings. IS Fittings and acc. For P.T.
2)	IS:7886 IS:660	:	InstallationofTransformer.
3)	IS:2516-1972	:	SpecificationforACcircuitBreakers.
4)	IS:335	:	InsulatingoilforTransformers& switchgear.
5)	IS:2705	:	CTformeasuringandprotection.
6)	IS:3155	:	Voltage(Potential)Transformers.
7)	IS:3236Part II	:	VoltageTransformer.
8)	IS:373	:	Busbararrangementandmarking.
9)	IS:2099	:	Bushing
10)	IS:5621	:	LargeHollowPorcelains
11)	IS:2544	:	Insulators
12)	IS:2629&2633	:	HotDipGalvanizing
13)	IS:3842	:	Relays.
14)	IS:1248-1958	:	Meters(measuring).
15)	IS:3072-1975	:	InstallationofSwitchgears.
16)	IS:692	:	HVcable.
17)	IS:1255	:	InstallationofHVcablesandjointing.
18)	IS:3043	:	Codeofpracticeforearthing.

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19)	IS:4047-1977		
			HDAirbreaker,SwitchgearsandfusesforVoltagenotexceeding 1000 Volts.
20)	IS:8106-1966	:	Selection, installationandmaintenanceoffuses upto 650 Volts.
21)	IS:4237-1967	:	forvoltagenotexceeding1000Volts.
22)	IS:2607-1976	:	Air-breakisolators for Voltagenotex ceeding 1000 Volts.
23)	IS:8623-1977	:	Factorybuiltassemblies of switchgearsandcontrolgearsfor



24)	IS:375-1963	: Marki	ngandar	voltageuptoandincluding1000VoltsA.C.and1200VoltsD.C. rangementofswitchgearbusbarsmain connectorsandauxiliarywiring.
	25)	IS:2147-1962	:	CubicalBoards.
	26)	IS:8084-1972	:	Insulatedconductorrating.
	27)	IS:2675-1983	:	Enclosed distribution fuseboards and cutouts for Voltage not exceeding 1000 Volts.
	28)	IS:8828-1978	:	MiniatureCircuitBreaker.
	29)	IS:9926-1981	:	Fusewireusedinre-wearabletypeelectricfusesupto650Volts.
	30)	IS:1554(PartI)	:	PVCinsulatedelectriccables Heavyduty.
	31)	IS:3961(Part II)	:	Recommendedcurrentratingfor cables.
	32)	IS:2982	:	Copperconductorininsulatedcablesandcores.
	33)	IS:8130	:	Conductorforinsulatedelectriccablesandflexiblerods.
	34)	IS:3975	:	Mildsteelwires, strips and tapes for armouring cables.
	35)	IS:5831	:	PVCinsulationandsheathofelectric cables.
	36)	IS:1753	:	Aluminumconductorforinsulatedables.
	37)	IS:4288	:	PVCinsulated and PVCsheathed solid aluminum conductor cables of voltagerating not exceeding 1100 volts.
	38)	IS:961	:	Recommendedcurrentratingfor Cable.
	39)	S:732	:	$Code of practice for electrical wiring installation system Voltage \\ not exceeding 650 Volts.$
	40)	IS:1646	:	CodeofpracticeforfiresafetyofBuildings(general)electrical installation.
	41)	IS:1653	:	Rigidsteelconduitsforelectrical wiring.
	42)	IS:2667	:	Fittingsforrigidsteelconduitsforelectricalwiring.
	43)	IS:3480	:	Flexiblesteelconduitforelectricalwiring.
Α	r.Vishal Parekh		90	Sign&Sealof contractor

: Accessoriesforrigidsteelconduitsforelectricalwiring.

45) IS:694 : PVCinsulatedcables(wires).

IS:3837

44)

46) IS:2509 : Rigidnon-metallicconduitsforelectricalwiring.



47)	IS:6946	:	
			Flexible(playable)nonmetallicconduitsforelectrica l installation.
48)	IS:1293	:	Threepinplugsandsockets.
49)	IS:8180	:	Conductors for insulated electrical cables and flexible codes.
50)	IS:9537-1980	:	Specification for conduit for electrical installation.
51)	IS:3419	:	Accessoriesfornon-metallicconduitsforelectricalwiring.
52)	IS:3854	:	Switches.
53)	IS:6538	:	Plugs.
54)	IS:2834-1954	:	ShuntCapacitorsforpowersystems.
55)	IS:2208 :	HRC	cartridgefuseandlinksupto660 volts.
56)	IS:1913-1969	:	Generalandsafetyrequirementforlightingfittings.
57)	IS:2944-1981	:	Codeofpracticeforlightingpublicthoroughfares.
58)	IS:3528	:	Waterproofelectriclightingfittings.
59)	IS:3553-1966	:	Watertightelectriclightingfitting.
60)	IS:1239-1958	:	${\sf MildSteel tubular and otherwroughtsteel pipe fitting.}$
63)	IS:2149-1970	:	Luminariesforstreetlight.
64)	IS:9224	:	HRCfuseshavingrupturingcapacityof90 KA.
65)	IS:2312-1967	:	ExhaustFan.
66)	IS:374-1979	:	ClassICeilingFan.

NOTE:All codes and standards means the latest where not specified otherwise the installation shall generally

follow the Indian Standard codes of practice or relevant British Standard Codes of Practice in the absence of corresponding Indian Standards.

PLEASEFOLLOW:

- a. IndianElectricityActof1910andrulesissuedthereunderreviseduptodate.b. SpecialAttentionshouldbegiventoRuleNo.50.
- $\hbox{c.} \quad \overset{\cdot}{\text{Regulations for electrical equipment in building is sued by The Bombay Regional Council of insurance} \\$ Association of India



ELECTRICALMATERIAL SPECIFICATION

DISTRIBUTIONBOARDS

Thescopeofworkshallcoversupply,installationtestingandcommissioningofalldistributionboards-

Standards:

ASPERSCHEDULEOFINDIANSTANDARDS,ATTACHEDINTHEDOCUMENT.

DistributionBoards:

Distribution boards along with the controlling MCB's/Fuse or Isolator as shown shall be fixed in an M.S. Box with hingeddoor suitableforrecessedmountinginwall. Distributionboardsshallbemadeof 18SWGsteelsheet duly rustinhibitedthroughaprocessofdegreasing,acidpickling,phosphateandpowdercoatedtoanapprovedcolorof adequate micron rating duly approved by architect/consultant.

Threephaseboardsshallhavephasebarriersandawirechannelonthreesides. Neutralbarsshallbesolidtinned copper barswithtappedholesandchaseheaded screws. For 3phaseDB's, 3. independent neutralbarsshallbe provided. All DB's shall be internally pre-wired using copper insulated PVC wires brought to a terminal strip of appropriate rating for outgoing feeders.

Conduitknockoutsshallbeprovidedasrequired/shownondrawingsandtheentireboardshallberendereddustand verminproofwithnecessarysealinggaskets. The top and bottoms ideof DBs hould be detachable.

MCB'sshallhavequickmakeandbreaknon-weldingself-wipingsilveralloycontactsfor10KAshortcircuitbothon themanualandautomaticoperation. Each pole of the breakershall be provided withinverse time thermal overload and instantaneous over current tripping elements, with trip - free mechanism. In case of multi-pole breakers, the tripping must be on all the poles and operating handle shall be common. Breakersmust conform to BS 3871 with facility for locking in OFF position. Pressure clampter minals for stranded/solid conductor in sertion are acceptable up

to4sq.mm.aluminumor2.5sq.mm.copperandforhigherratings,theterminalsshallbesuitablyshrouded.Wherever MCBisolators are specified theyare without the tripping elements.

FusesshallbeHRClinktypere-wireablewithnecessaryfusecarriersandwithratingofnotlessthan25MVA.Bottle typefusesarenotacceptable.Fusecarrierterminalsshallbesuitablyshrouded.Re-wireablefusecarriersshallbe porcelain. HRC fuses formotor duty should be time lag type.

Distribution boards shall have HRC/re-wire able fuses as shown on the schedule and drawings. Board shall meet

with the requirements of IS2675 and marking arrangement of busbars shall be in accordance with I.S. standards.

Busbarsshallbesuitablefortheincomingswitchratingandsizedforatemperatureriseof35°Covertheambient. Eachboardshallhavetwoseparateearthingterminals.Circuitdiagramindicatingtheloaddistributionshallbepaste

d ontheinsideoftheDBasinstructed.Oneearthingterminalforsinglephaseandtwoterminalsfor3phaseDB'sshall beprovidedwithanearthstripconnectingthestudsandtheoutgoingECUearthbar.

In the case of MCB distribution boards, the backup fuses where vershown shall be not less than 63 A with a delayed characteristic and a minimum pre-arcing time of 0.5 sec. At 9 KA/3 KA fault current.



All outgoing feeders shall terminate on a terminal strip which in turn is interconnected to the MCB/Fuse base by means of insulated single conductor copper wires asfollows:

Upto15A		2.5sq.mm.	40A	10sq.mm.	
25A	4.0sq.mm.	63A	16sq.mm.		
32A	6.0sg.mm.				

RCCB/MCB:

The RCCB should suffice sall the requirements of ISas percode IS – 12640 – 1988. The RCA should be current operated and not on line voltage.

The RCCB should ensure mainly the following functions.

Measurement of the fault current value.

Comparison of the fault current with a reference value.

The RCCB should have a torroidal transformer which has the main conductors of primary (P-N) which check the sum of the current close to zero.

All metal parts should be inherently resistant to corrosion and treated to make them corrosion resistant

. It should be truly current operated.

Itshouldoperateoncorebalancetorroidaltransformer.

It'saccuracyshouldbe±5%.

Itshouldoperateevenincaseofneutralfailure.

Itshouldtripatapresentleakagecurrentwithin30M.S.

It'senclosureshouldbeasperIP30.

It's mechanical operation lifes hould be more than 20,000 operations.

ItshouldprovidefullprotectionasenvisagedbyIErules-61-A,71-ee,73-ee,1985andalsorule50ofIE rule1956.

ItshouldconformtoallnationalandinternationalstandardslikeIS8828:1993,IS12640–1988,BS4293–1983, CEE27(InternationalcommissionRulesfortheapprovedof electricalequipment)



MEDIUMVOLTAGECABLING

Scope:

ThescopeconsistsofLaying&testingL.T.Cableanditstermination.

Standards:

ASPERSCHEDULEOFINDIANSTANDARDS:ATTACHEDINTHEDOCUMENT

Cables:

Allcablesshallbe1100VoltgradeXLPEinsulated, sheathed withor without steelar moring as specified and with an outer PVC protective sheath. Cables shall have high conductivity stranded aluminum or copper conductors and cores color coded to the Indian Standards. All cables laid up to load should be without any joint.

All cables shall be new without any kindor visible damage. The manufacturers name, insulating material, conductor size and voltage class shall be marked on the surface of the cable at every $600\,\mathrm{mm}$ centers.

Cablejointsandtermination:

Connectors:

Cable terminations shall be made with copper Heavy duty long nack copper crimping lugs only crimped type solder less lugs for all aluminum cables and stud type terminals. For copper cables copper crimped solder less lugsshallbeused. Crimping shall be done with the help of hydraulically operated crimping tool. All cable lugs should be long neck type only.

CableGlands:

Cableglandsshallbeofheavydutybrasssinglecompressiontypeasspecified. Generally singlecompression type cable glands shall be used for indoor protected locations and double compression type shall be used for outdoor locations. Glandsfor classified hazardous areas shall be CMRS approved.

Ferrules:

Ferrulesshallbeof self stickingtypeandshallbeemployedtodesignatethevariouscoresofthecontrolcableby theterminalnumberstowhichthecoresareconnected, for ease in identification and maintenance.

Cablejoints:

Kittypejointshallbedoneandfilledwithinsulatingcompound. The jointshould befor 1.1 KV grade insulation.



CONDUITWIRING

1.0	Scope:				
1.1	Thescopeofworkshallcoversupply,installationtestingandcommissioningof all.				
2.0	Standards :Asperannexure-iv				
3.0	RigidandFlexibleconduits :				
3.1 I.S.I. 6	AllPVCconduitsshallbelaidinopen/concealed of 25 mm.Diameter.	mannerwhichareapprovedbyF.I.A. &			
3.2	Flexibleconduits shall be formed from a continuous length of spirally wound interlocked steel strip with a fused zinc coating on both sides. The conduits shall be terminated in brass adapters.				
4.0	Accessories :				
4.1	PVCconduitfittingssuchasbends,elbows,reducers,chasenipples,splitcouplings,plugs etc. shall be specifically designed and manufactured for their particular application.All conduit fittings shall conform to IS:2667-1974 and IS:3887-1966.All fitting associated with galvanized conduit shall also be galvanized.				
5.0	Wires:				
5.1	Allwiresshallbesinglecoremulti-strand/flexiblecopperorsinglestrandAluminum/Copper,PVCinsulated as per IS:694 and shall be 660v/ 1100V grade.				
5.2	Allwiresshallbecolorcodedasfollows: Phase	Colourofwire			
	R Y B N Earth	Red Yellow Blue Black			

Grey

SameasPhasewire

Green(insulated) Control (If any)

Alloff wires



- Installation,commissioningandtesting. Cablemarking.
 - ii) iii)

5.3



Forcableburiedunderground

- i) Cablesandprotectivebricks&tiles.
- ii) Installation,commissioning&testing.
- iii) Cablemarkers.

6.0 Switches& Sockets:

- 6.1 Switches shall be module type/ flush piano type with silver-coated contacts. Sockets shall be 3 pin with switchandplatetypecover. Combination of multiples witch units and sockets should be used to minimize the switch boxes.
- 6.2 Forheavyduty,metalcladsocketswithM.C.B./Isolatormountedinagalvanizedsteelboxshallbe provided.
- 7.0 Installation:
- 7.1 Conduitsshallbekeptataminimumdistanceof100mm.Fromthepipesofothernon-electricalservices.
 And maintain minimum 300 mm distance between telephone, TV & Computer piping.
- 7.2 Separateconduits/racewaysshallbeusedfor:
 - 1. Normallightsand5A3pinsocketsonlighting circuit.
 - 2. Separateconduitshallbelaidfrom D.B. to switch board or point.
 - 3. Poweroutlets –15A3pin20A/30A,2pinscrapingearthmetalcladsockets.
 - 4. Emergencylighting.
 - 5. Telephones.
 - 6. Firealarmsystem.
 - 7. Publicaddresssystem&Music system.
 - 8. Forallothervoltageshigherorlowerthan 230V.
 - 9. T.V.Antenna.
 - 10. Waterlevelguard.
 - 11. ComputerWiring.
- 7.3 Callbellwiringlayoutofconduitsshallbegenerallyindicatedondrawingsandthelayoutshallbe supplemented and complemented by contractor on site with approval of the Engineer.
- 7.4 Wiring for short extensions to outlets in hung ceiling or to vibrating equipments, motors etc., shall be installedinflexibleconduits.Otherwiserigidconduitsshallbeused.Noflexibleextensionshallexceed 1.25m.
- 7.5 Conduits run on surfaces shall be supported on metal 12 mm. thick saddles which in turn are screwedtothewallorceiling.Saddlesshallbeatintervalsof notmorethan500mm.Fixing properly screwsshall bewithroundorcheeseheadandofrustproofmaterials. Exposed conduits shall be neatly runparallelor at right angles to the walls of the building.Unseemlyconduit bends and offsets shall be avoided byusing

fabricatedmildsteeljunction/pullthroughboxesforbetterappearances. No cross-over of conduits shall be allowed unless it is necessary and entire conduit installation shall be clean and neat in appearance.

- 7.6 Conduits embedded into the walls shall be fixed by means staples at not more than 500 mm. intervals. Chasesinthewallsshall beneatlymadeandrefilledafterlayingtheconduitandbroughttothefinishof the wall but final finish will be done by the building contractor. The contractor shall provide wire mesh before making rough plaster.
- 7.8 Conduitsburiedinconcretestructureshallbeputinpositionandsecurelyfastenedtothereinforcement andgot approved bytheEngineer, beforetheconcreteis poured.Propercare shall betakento ensure



- thattheconduits are neither dislocated nor choked at the time of pour ing the concrete suitable fishwires shall be drawn in all conduits before they are embedded.
- 7.9 Inspection boxes shall be provided for periodical inspection to facilitate withdrawal and removal of wires. Such inspection boxes shall beflush with thewall orceiling inthecase of concealed conduits. Inspection boxes shall be spaced at not more than 12meters apart or two 90° solid bends or equal. All junction and switchboxesshall becovered by 6mm. clear Perspex platetruly cutand fixed with cadmium plated brass screws. These junction boxes shall form part of point wiring or conduit wiring as the case may be including the cost of removing the Perspex cover for painting and re-fixing. No separate charges shall be allowed except where specially mentioned.
- 7.10 Conduits shallbefreefrom sharpedges andburrsandthethreadingfreefromgreaseor oil. The entire system of conduits must be completely installed and rendered electrically continuous before the conductors are pulled in conduits should terminate in junction boxes of not less than 32 mm. deep.
- 7.11.1 Aninsulatedearthwireofcopperratedcapacityshallberunineachconduitforentire length.
- 8.0 Lighting&PowerWiring:
- 8.1 allfinalbranchcircuitsforlightingandappliancesshallbesingleconductor/stranded/flexi-cablesrun inside conduits.The conduit shall be properly connected or jointed into sockets, bens, and junction boxes.
- 8.2 All circuits shall preferably be kept in a separate conduit up to the Distribution Board.No other wiring shall be bunched inthesame conduit except those belonging tothesamephase.Each lighting branch circuitshallnothavemorethantenoutletsor 800wattswhicheverislower.Eachconduitshallnothold more than three branch circuits of same phase.
- 8.3 Flexiblecordsforconnectiontoappliances, fans and pendants shall be 650/1100 V grade (three or four cores i.e with insulated neutralwire of same size) with tinned stranded copper wires, insulated, twisted and sheathed with strengthening cord. Color of sheath shall be subject to the Engineer's approval.
- 8.4 Looping system of wiring shall be used.Wires shall not be jointed.Where joints are unavoidable, they shallbemadethroughapprovedmechanicalconnectors.Nosuchjointsshallbemadeunlessthelength of the sub-circuit, sub-main or main is more than the length of the standard coil.
- 8.5 Controlswitchesshallbeconnectedinthephaseconductorsonly.Switchesshallbefixedin3mm.thick painted orgalvanized steel boxes with cover plates asspecified.Cadmium platedbrass screws shall be used.



- 8.6 Power wiring shallbedistinctlyseparatefromlighting wiring.Conduitsnotlessthan25mm.andwires not less than 2.5 sq. mm. copper shall be used.
- 8.7 Everyconductorshallbeprovidedwithidentificationferrulesatbothendsmatchingthedrawings.
- 9.0 Testing:
- 9.1 Theentireinstallationshallbetestedfor:
 - a) Insulationresistance.



- b) Earth continuity.
- c) Polarityofsinglepole switches.

AtestcertificateshallbesubmittedinthePerformashownunderAppendix- I.

- 10.0 Modeof measurement:
- 10.1 The definition of point wiring shall be in accordance with sketch drawing and should wiring from D.B. onwards together with all junction boxes, connectors, earth wire, fixing accessories, connection toall light fittings switches etc. as specified and shown on drawings. The point rate shall include circuit wiring from distributionboardtoswitchboardand/ordirectlytothepoint. The circuit wireshall be inseparate conduit. The contractor may draw maximum 2/3 circuits of the same phase in circuit mains conduit.
- 10.2 Allswitchessocketswithboxes,earthinginterconnectionandplatetypesilver contact switch shall be inclusive in point wiring.
- 10.3 Allemptyconduitruns,includingjunctionboxesfishwiresetc.shallbepaidonthebasisofunitlength.

 Measurements shall be along the conduit and concurrent length of sub-circuit wiring.
- 10.4 Buzzerindicatorofthewaysspecifiedshallconsistofindicatinglamps,resetbutton,electromagnet, Perspexcoverplate,chromiumplatedbrassscrewsetc. shallbeconsideredasonunitformeasurement and payment.
- 10.5 Two way light points shall be classified according to and consist of 2 Nos.2 way plate type switches, wiringfromthe1st 2wayswitchtothe2nd2wayswitchtothefirstlightcontrolled.Subsequent lights,if any, shall be measured as ordinary secondary point.

EARTHING

Scope:

The Scope of workshall cover supply of earthing stations, laying coppere arthstrips and connecting the power panels, DB's and switch boards.

Standards:

ASPERANNEXURE-IV.

PlateEarthingStation:

The substationearthings hall be with copper plate earthing station unless otherwise specified.

Theearthingstationshallbeasshownonthedrawing. Theearthelectrodes shall be 450x450x3mm/600x600 x6mm. Copperplate-asspecified in B.O.Q. Theearthresistance shall be maintained with a suitable so il treatment as shown on drawings.



Theearthleadshallbeconnected to the earthplate through copper/brass bolts as shown on the drawing.

Minimum distance between two earthpits shall be 2Mts.

All earthpits shall be minimum 1 Mt. Away from building foundation.

PipeEarthingStation:



Theearthstationshallbeasshownonthedrawingandshallbeusedforequipmentearth grid. Theearthelectrodeshallbe 2.5 m. long 50 mm. Diameter galvanized steel pipe. The earthresistance shall be maintained with a suitable soil treatment as shown on drawings.

Theresistanceofeachearthstationshouldnotexceed5ohms.

The earth leads hall be fixed to the pipe with a and safety sets crews. The clamps shall be permanently accessible.

Earthleadsandconnections:

Earthleadshallbebarecopperoraluminumorgalvanizedsteelasspecifiedwithsizesshown ondrawings. Atroadcrossings necessary Humepipesshall belaid. Earthleadrun on surface of wall or ceiling shall be fixed on saddles or wall.

The complete earthing systems hall be mechanically and electrically bonded to provide an independent return path to the earth source.

EquipmentEarthling:

Allapparatusandequipmenttransmittingorutilizingpowershallbeearthedinthefollowing manner.Copperearthwiresshallbeusedunlessotherwiseindicatedinthescheduleofwork and drawings.

Powertransmissionapparatus:

Metallicconduitshallnot beacceptedasanearthcontinuityconductor. Aseparate insulated/bareearthcontinuityconductorofsize 50% of the phase conductor subject to the minimum and maximum shall be provided.

Non-metallicconduitshallhaveaninsulatedearthcontinuityconductorofthesamesizeasfor metallicconduit.Allmetaljunctionandswitchboxesshallhaveaninsideearthstudtowhich theearthconductorshallbeconnected.Theearthconductorshallbedistinctlycolored(green) for easy identification.

Inthecaseofcable, an earth continuity conductors hall either berunouts idealong the cable or should form as eparate insulated core of the cable.

ThreePh.Powerpanelsanddistributionboardsshallhave2distinctearthconnectionsofthesizecorrelatedtothe incomingcablesize.Incaseof1Ph.DB'sasingleearthconnectionisadequate.Similarlyfor3Phand1Phisolating switchesthereshallbe2and1earthconnectionsrespectively,sizesbeingcorrelatedtotheincomingcable.

Testing:

Thefollowingearthresistancevaluesshallbemeasuredwithanapprovedearthmeggarandrecorded

. Each earthing station

Earthingsystemasawhole

Earthcontinuityconductor



Modeofmeasurements:

Providing earthing station complete with excavation, electrode, watering pipe, so il treatment, mason rychamber with castiron coveret c. shall be treated as one unit of measurement.

The following items of workshall be measured and paid per unit length covering the cost of the earth wires/strips clamps, labor etc.



Mainequipmentearthinggridandconnectionstotheearthingstations.

Connectionstotheswitchboard, powerpanels, distribution board setc.

Thecostofearthingthefollowingitemsshallbecomepartofthecostoftheitemitselfandno separate payment for earthing shall be made.

Isolatings witches and starters should form part of mounting frame, switch starter ether the starter of the s

c. Light fittings –formpart of installation of the light fitting.

Conduitwiringcabling-shouldformpartofthewiringorcabling.

TELEPHONEDISTRIBUTION

Thiscoversupply,installation,testing,commissioningoftelephonesystem.

1) Thescopeofworkshallcoversupply,installation,commissioningandtestingof:

Telephone cables

Telephone Tag Blocks

Telephonewiringinconduits

Thetelephoneexchangeandthehandsetsshallbesuppliedbytheclients.

2) Conduits:

Conduits shall be as given below:

Indoor: mediumgaugeRigidPVCconduit.

Ifinflooringprovideheavygauge.

The conduits hall generally be as specified under section `CONDUITWIRING'.

3) CablesandWires:

Thetypeofcablesandtheservicesshallbeasfollows:

IndoorMultipair,PVCinsulatedsheathedarmoredandsheathed.

Inside Twin core PVC insulated with conduit twisted cores.

All multicore cables and wires shall be of tinned copper conductor of not less than 0.5 mm dia and shall be color coded twisted pairs with rip cord.

Theconductorresistanceshallbelessthan150ohmsperKMandtheinsulationresistance

Ar.Vishal Parekh

10 Sign&Sealof contractor

betweentheconductorsnotlessthan50megaohmsandthenominalcapacitanceofabout 0.1microfaradperkilometer.

 $\label{lem:cables} Cables laid under ground or locations subject to dampness and floodings hall be filled with Polyethylene compound and shall have sufficient protection against moisture and water ingress.$



Allarmoringshallbeofgalvanizedsteelwiresandprotectedagainstcorrosionbyanouter sheathofPVCinthecaseofindoorcablesandpolyethyleneinthecaseofoutdoorcables. Outer sheathing must befire retarding and anti - termite.

Allunarmoredsinglecorecablesandinnersheathofarmoredcablesshallbeprovided with rip cord.

Allsinglepaircablesforfinalextensiontothetelephoneoutletboxshallbeunarmoredtinnedcopperconductors ofnotlessthan0.6mm.Diameterandshallbedrawninconduits.Alltelephoneoutletsshallconsistof 2A2 pairpolytheneconnector inG.Iboxwith6mmbusbarcover withbusbaredgesandchromiumplatedbrass hardware.

Tagblocks:

Thetelephonetagblocksshallbesuitableforthemulticoretelephonecablesandshallhavetwoterminalblocks, cross connect type. All incoming and outgoing cables shall be terminated on separate terminal blocks and

terminationshallbesilversoldered. The cross connecting jumpers shall be insulated wiresofs a mediameter and screw connected.

Thetagblocksshallbemountedinsidefabricatedsheetsteelboxeswithremovablehingedcovers and shall be fully accessible. The enclosure shall be painted with 2 coats of redoxide and stove busbar.

Installation:

The installation of conduits shall generally be as specified under section `CONDUITWIRING'.

Telephone/Datapipesshallbekept100frompowerconduit.

Separate J.B. shall be provided for telephone & Computer.

Allcablesshallbeoncableracksandneatlystitchedtogether.

The connection at the tag blocks shall be silver soldered so as to achieve minimum contact resistance.

Thefinalbranchconnectionswithsinglepaircablesinconduitsandthemaximumnumberof cables in each conduit shall be as follows:

Conduitdia	meter inch	Max.No.ofcables mm.	
³⁄4"20	1"	2Nos.singlepair 25 6Nos.singlepair	
	1¼"32	12Nos.singlepair	
Ar.Vishal Par	ekh	11	Sign&Sealof contractor

INSTALLATIONTESTSCERTIFICATE

1½"40



BYELECTRICALCONTRACTOR

This contractor is to certify that the work is carried Outwork confirming to IER ules and Code of	f
practice. He has to give the test report is under.	

(i) InsulationResistancetest is R-NM.Ohms
Y-NM.Ohms BNN.Ohms

(ii) Loadtest:-

5A-1000WPowerPoint-15Minutes

15A-3000WPowerPoint-15Minutes

- (iii) Earthresistanceforeachelectrode- 1 Ohm
 - 20hm
 - 30hm
 - 4-N-EVolts
 - (iv) Certificateofmakesofmaterialsusedinthework
 - (v) Circuitdiagram
 - (vi) Certified that the electrification work has been carried out under the supervision of licensed Electrical supervision.
 - (vii) Certifiedthattheearthingplate/pipehasbeenverifiedandPlacedat Correct depth confirming to IE Rules.

SignatureofElectricalSupervisionSignatureofContractor Name:

LicenseNo.:



IMPORTANTPOINTSTOBENOTED

- 1) RatesforLIGHT,FAN,EX.FAN,CALLBELL,RAWPOWERETC.POINTSincludes the costofmainwires and PVC pipes from LDB-ROW POWER DB to DIFFERENT SWITCHBOARDSWITHREQUIRECIRCUITS.
- 2) RatesforCOMPUTERPOWERPOINTSincludethecostofwiresandPVCpipesfromUPSDB ToCOMPUTERPOWERPOINTS.
- 3) Ratesfor**COMPUTERI/O**includethecostof**DATA**cablesandPVCpipesfrom **SERVERSWITCH**to**COMPUTERNODES**.
- 4) Ratesfor**TELEPOINTS**includethecostofTELEPHONEWiresandPVCpipesfrom **EPABX/CRONEBOX**to**TELE.POINTS**.
- 5) Ratesfor A.C./POWERPOINTS include the cost of wires and PVC pipes from A.C.DB to DIFFERENTA.C.AND POWERPOINTS WITH REQUIRECIRCUITS.
- 6) THECONTRACTORSHOULDSUBMITTHE BUILTUPSLDOFPANEL, SLDOFDIFFERENTDBS

 TODIFFERENTSWITCHBOARDSWITHNUMBERING, SLDOFDATARACKTODIFFERENT I/O

 POINTS WITH NUMBERING, TELE. KRONE BOX TO DIFFERENT TELE.POINTS WITH

 NUMBERING, ETC. AFTEREXECUTION OF THE BRANCH. 2 SETS OFCOPIES
 1WITHLAMINATION.
- 7) THECONTRACTORSHOULDUSEMAX.

 3CIRCUITSINONECONDUITFORUPS&RAWPOWERPOINTS.
- 8) THECONTRACTORSHOULDUSEMAX.3WIRESOFDATA&TELE.INONECONDUIT.
- 9) EVERYCONDUITFORUPS,RAWPOWER,DATA&TELE.,POWERPOINTS,ACPOINTS .LIGHTINGPOINTSSBSHOULDBESEPARATE.
- 10) FORDATA&TELE.POINTS,BIGJUNCTIONBOXMUSTBEREQUIRED.
- 11) FORUPS&RAWPOWERPOINTS,BIG/SMALLJUNCTIONBOXMUSTBEREQUIRED.
- 12) EMPTYCONDUITMUSTBELAIDFORSECURITYSYSTEM.
- 13) PVCCONDUITSMUSTBECLAMPEDWITHSADDLESINCEILINGONLY.
- 14) ELE.CONTRACTORMUSTSUBMITCERTIFIEDLOADLISTWITHELE.LIC ENSE NO./SUPERVISOR CERTIFICATE NO.
- 15) CONTRACTORSHOULDSUBMITTESTREPORT.
- 16) CONTRACTORSHOULDPRESENTEARTHINGPLATESBEFOREEX



	APPROVEDMAKELISTO	DFEQUIPMENTANDACCESSORIES
1	PVC rigid conduits &Accessories(FRLS)	1.5mmthicklSlandFlAapproved - Precision/Vraj/Nihir /BLP/PFl/Anchor/Polycabmake.(Onlywhitecolouredpipes tobeused.).
	MS Pipeconduit &Accessories(MMSISIMark)	BEC/Bharat/ERW/AKGMake(MMS)
2	L.T.Cables	Havells/Diamond/KEI/Finolex./PolyCab
3	Wires(FRLS)	R.R.Kable/Havells/L&T/KEI/PolyCab
4	MainDistributionBoards	MDSLegrand(Lexic)/Hager/CrabtreeXPRO/Schneider (Eazy9)L&TExora/ C&SWintrip
5	ELCB/RCCB/MiniatureCircuit Breaker	MDSLegrand(Lexic)/Hager/CrabtreeXPRO /Schneider(Eazy9)L&TExora/C&SWintrip
6	SwitchGears	MDSLegrand(Lexic)/ Hager/CrabtreeXPRO/Schneider(Eazy9)L&TEXORA/C &SWintrip
7	ChangeOverSwitch	HPLSocomac/Havells/L&T./Hager
8	Domesticfittings	
	a)AllSwitchingModularAccess ories.	SchneiderLivia/L&TOris/CrabtreeVerona/SalzerS90 (ElitePlate) /LegrandMyris.
	b)Holder/Ceillingroses	AnchoreorEquivalentApprovedmake.
	c)AdhesiveTape	Bhor(SteelGrip)orapproved.
9	10-30APolycaSAO-5nate Socket& Top	MDSLegrand(Lexic)/Hager/CrabtreeXPRO/ Schneider(Eazy9). L&TEXORA/C&SWintrip
10	TelephoneWires/Cable	Finolex/R.R.Kable/Havells/L&T./Polycab
11	Telephonetagblock	Krone make.
12	CableLugs	Dowell/Lotus/Jainson/3D.
13	Cable glandSingle/ DoubleCompression	HMI/Comet/3D.



14	Ammeter/Voltmeter	AE/HPL/MECO/Enerconmake.
15	Selectorswitches	L&Tsalzer/Kayceemake.
16	Indicatorlamps	LEDtypeTeknic/Precifine/Binay.
17	Connectorstrips	Wago/Elmexmake.
18	LightingFixtures	Philips/Havells/GE/Crompton/OrientMake.
19	Exhaustfan(Lightduty)	Khaitan/Crompton/Havells./Luminious.
20	CeilingFan	Orient(PSPO)/Crompton(HighBreeze)/Havells/Luminious.
21	WallmountedFan	Crompton/Khaitan/Havells/Luminious.
22	DataCable-I/OUnit	D-Link./DigiLink
	1	CATNO.&SPECIFIEDMAKEINTHEFINANCIALBID.OR FASPERAPPROVEDMAKELISTDIRECTEDBYARCHITECT/BANK

Note:

- [a] WhereotherMaterialareproposedtobeusedtheseshouldbegotApprovedfrom the Architect before execution of particular item. Incase of Non- Availability of any material of specified make, The Alternative should be used only after it is Approved in writing by the Employer or the Architect. The Material shall be used in preferential Order only
- [b] Beforestartingofworkcontractormustgetallsamples/makeapprovedfrom Architect before using at site.
- [c] Consultantsreservetherighttoaddordeletenameofanymanufactures and when required.
- [d] Consultantsreserverightstoselectanyofthespecifiedbrandsmentioned above.





NOT TO BE FILLED

BOQ: Interior Decoration & Furniture work: ELECTRICAL WORK of UNAI BRANCH, UNAI, RBO NAVSARI, SAO for State Bank of India.

Sr. No.	DESCRIPTION	QTY	UNIT
	NOTE: ALL CHARIS OR CHASES IN WALLS / COLUMNS / SLABS MADE BY THE ELECTRICAL CONTRACTOR FOR INSTALLATION OF CONDUITS / S.B. / BOXES ETC. THE FILLING OF THE THE SCOPE OF THE ELECTRICAL CONTRACTOR INCLUDING ALL NECESSITY MATERIAL.	IE SAMI	
	PART - A :::: BRANCH		
A	INTERNAL WIRING: Phase wire must be Red colour for LDB, Yellow colour for PDB & Blue for ACDB, Neutral Wire of Black colour & Green Wire for Earthing. Color code must be maintained. Tagging from DB MCB and Switch board must be done.		
1	SITC of point wiring in concealed in walls, furniture's & for above false ceiling, or on ceiling, on beams shall be fixed with saddles & spacers etc., with conduits taken in slab with 20 mm dia PVC Rigid conduits 1.5 mm thick ISI mark with 2 nos. of 1.5 sq. mm. phase & nutral & 1 nos. of 1.0 sq. mm. earthing with modular switch with company made flush metal box/surface PVC box etc. comp. with nec. main lines for switch board from LDB of mains of 2 nos. of 2.5 sq.mm wire and 1 no. of 1.0 sqmm pvc Insulated copper conductor wire FRLS type laying in with 20 mm/25 mm dia PVC rigid conduits 1.5 mm thick ISI mark .These will be used with point wiring of light, fan, ex. fan, callbell points, etc { Max. 3 Switchboards in one circuit - One Sp MCB }.Phase wire must be Red colour, Nutral Wire must be Black color & Green Wire for Earthing. Color code must be maintained. Tagging from Lighting DB MCB and Switch board must be done.		
1.1	One 5A switch controling one light / fan point.	22	nos
1.2	One switch controlling Two light points .	30	nos
1.4	5A socket outlet with 5A switch (on common board) (1 FOR WATER COOLER).	15	nos
1.5	5A socket outlet with 5A SP switch (as an independent point) [for ex. Fan, wall fan , QMS, Token M/C Display, etc. points.]	17	nos
1.6	Call bell point with bell push complete.	1	nos



1.7	SITC of loop light points 0f 2 nos. of 1.5 sq. mm. off wires & 1 nos. of 1.0 sq. mm. earth wire from Main panel timer of mains of 2 nos. of 2.5 sq.mm wire and 1 no. of 1.0 sqmm pvc Insulated copper conductor earth wire laying in with 20 mm/25 mm dia type PVC rigid conduits 1.5 mm thick ISI mark. (This point is for Signage and Light Points at Entrance).	4	nos
1.8	SITC of loop light points 0f 2 nos. of 1.5 sq. mm. off wires & 1 nos. of 1.0 sq. mm. earth wire from from nearest light point laying in with 20 mm/25 mm dia type PVC rigid conduits 1.5 mm thick ISI mark on digital wall.	2	nos
2.1	SITC of 6/16 Amp. Switch and socket complete with necessory require wiring from LDB of 2 no of 2.5 sq mm wires and 1 no of 1.0 sq mm PVC Insulated copper conductor earth wire laying in with 20 mm/25 mm dia PVC rigid conduits 1.5 mm thick ISI mark. These will be used with point wiring of power points ,etc. No Looping of Neutral or earthing is allowed. Each point needs to provide seperate circuit. This Points Need to Be Connected through LDB. (For Cash Room, Locker Room, Record room - wiring points).	3	nos
2.2	SITC of 6/16 Amp. Switch and socket complete with necessory require wiring from PDB of 2 no of 4.0 sq mm wires and 1 no of 2.5 sq mm PVC Insulated copper conductor earth wire laying in with 20 mm/25 mm dia PVC rigid conduits 1.5 mm thick ISI mark. These will be used with point wiring of power points ,etc No Looping of Neutral or earthing is allowed. Each point needs to provide seperate circuit. This Points Need to Be Connected through PDB. (For Printer, Water Cooler, Freeze, Motor, Note Counting Machine points).	4	nos
3	SITC of 20 A/ 25 A , 230 V, with DP RCCB, 100 mA all enclosed in a prefabricated M S boxes complete to the satisfaction of E.I.C. For SPLIT AC 1.5TR / 2.0 TR unit with necessory require wiring from ACDB of 2 no of 4.0 sqmm wires and 1 no of 2.5 sqmm PVC Insulated copper conductor wire FRLS type laying in with 20 mm/25 mm dia PVC rigid conduits 1.5 mm thick ISI mark. These will be used with point wiring of A.C. points ,etc . Color code must be maintained. Tagging from DP MCB and AC point must be done. This point should be installed near Split / window AC in concealed manner. No Looping of Neutral or earthing is allowed. Each point needs to provide seperate circuit. The height of switchboard must be at reachable point for easily operation. from that point to Split AC, empty conduit + necessary bends must in concealed mode by ele. contractor. THE ENCLOSURE SHOULD BE SAME MAKE AS MCB MAKE.	5	nos
В	LIGHTING FIXTURES :		
	(NOTE: ANY OF FIXTURES AND FITINGS SHALL BE RE-CONFIRMED WITH THE ARCHITECTS / CONSULANTS BEFOTE ORDERING THEM.		



4	SITC of (including supply and fixing flexible wires from holder to fixtures hardwares etc.) of The LED lamps should be of same make as fixture make The marking & cutting of fixtures should be in ele. contractor's scope fixtures should be approved by bank's ele. engineer / ele. consultant / architect. from the given make list before installations. LM 79 & LM 80 test reports to be submited. nichia / LUmileds / cree - LED should be used by manufacture. Lighting Luminaire of LED for Office single piece die cost aluminium M24 housing complete with driver unit, mirror optic and other accessories Lamps of about 100 lumen/W injection moulded PC diffusers with high brightness complete unit complying with international standard (LU49, LH801) - opertive on 190V - 270 V 50 Hz with Mini 3 years warranty complete with mounting stystem and lamp dully wired and tested Details as under.		
4.1	SITC of LED 1 x 36 W (3100 lumens) (2' X 2') RECESS MOUNTED LUMINAIRE with 2KV surge protection, making earthing conection complete to be recessed in false ceiling with all necessary hardwares, hanging - die cast frame arrangement, chains or hook arrangement with ceiling, connected to supply wire with PVC connector. Earthing connection with lugging need to given to body of Fixture, etc. complete. (Crompton Model ORION II Cat Ref No: LCTLRN-36-FO-CDL, CCT 6000 K and CRI > 80, lumen O/P > 3300 lumen, Syatem wattage (LED + Driver) < 40 Watt. or Equivalent in GE/ Philips / Havells / Wipro make).	23	nos
4.2	SITC of 1 x 12 W Square / Round LED DOWN LIGHT pressure die cast fixture with 2KV surge protection (950 lumens) to be recessed in false ceiling with all necessary hardwares, chains, hook etc. complete.(CROMPTON make cat no. Crompton Model CROM LCDD-15-CDL/TL/ WW ,CCT 6000 K and CRI > 80,Lumen output1450 lumen, System wattage(LED + Driver) 12 Watt or Equivalent in GE / Philips / Havells / Wipro make). Energy Efficient round recessed mounted LED down lighter with premium white powder coating and die cast aluminium housing. as per details above. Die casting material should not be CRCO type material. should be connected to supply wire with PVC connector. Earthing connection with lugging need to given to body of Fixture.	39	nos
4.3	SITC of LED tube light 1 x10 W (560 lumens) Surface mounting type with LED tube, complete. (Crompton Model : LINNET; CAT Ref No: LCL-07-CDL or Equivalent PHILIPS / GE / Wipro make) . For Toilet area.	1	nos
4.4	Supply and insallation of Call bell with Indicatore. (Max or equivalent make)	1	nos
4.5	SITC of Exhaust fan of 300 mm, fresh air vantilator type complete & 6 Amp. 3 pin TOP. (Crompton/ Khaitan / Havells make) [Wooden mounting frame should be fixed in coordination with carpenter - furniture contractor.] - Two Ex. Fan are of heavy duty industrial for Ups room.	6	nos



4.6	SITC of 48" Ceiling Fan with fan step socket modular regulator, Max. 3 feet Fan Rode, Anchor Fastner, etc. (WHITE COLOUR - BEE 5 star labeled ceiling fan Alluminium body and copper winding.) (Orient PSPO or Equivalent approved make in Crompton / Havells Model High Breeze Plus BEE 5 Star labeled ceiling fan , Aluminium body , copper winding .).	5	nos
4.7	SITC of 1 x 18W led batten light fixture (T-5) with electronic driver and tube complete with necessory hardwares, etc and per watt lumens output must be above 120/watt and 90%lumems maintaiance for 90% of life with input voltage 90-270v ac 50hz operational without affecting the life, input mov.gtd protection in driver for above 270v protection. and 2 years waranty.LED Batten Comprises of Thermally conductive material. Pre-wired with high efficiency electronic driver. High translucent frosted diffuser gets glare free, smooth light distribution. (Cormpton / GE/ Philips / Havells / Wipro make).	12	nos
4.8	SITC of 450 mm sweep wall mounted fan with metal body, metal stand, guard and blade, 6 a. 3 pin top With on site 2 years warranty. (ALMONARD tempest mark II or equivalent make.) Wall fan with PVC body strictly rejected.	4	nos.
4.9	SITC of Decoretive 5 W / 6 W (180 lumens) LED EYE BALL LIGHT fixture with its driver also. (wipro make or philips or equivalent co. make). (Approved by Architrct) basic rate of fixture Rs. 375/ (This is for light in ACP work near entrance).	4	nos
4.10	SITC of Decoretive 3 W / 5 W (180 lumens) LED EYE BALL LIGHT fixture with its driver also. (wipro make or philips or equivalent co. make). (Approved by Architrct) basic rate of fixture Rs. 350/ (This is for light on digital wall b/h. swo area).	3	nos
4.11	SITC of LED STRIP LIGHT flexible complete with driver units as per layouts (led strips of diff. lengths, 230 v, 50 Hz, as required. (CROMPTON make LST20WW or equivalent GE/Philips/Wipro/Havells make).	10	mtrs.
С	COMPUTER POWER SUPPLY & NETWORKING - TELE. SYSTEM.:Phase wire must be Yellow colour for UPS O/P DB, Red colour for PDB, Neutral Wire of Black colour & Green Wire for Earthing. Color code must be maintained. Tagging from DB MCB and Switch board must be done.		



5	SITC of 2 nos. of 6 A, 5 pin Sockets and 1 no. of 6 \ 16 A socket below table outlets with one 16 A switche with indicator Computer power supply with concealed company made metallic boxes or PVC flush box on walls / furniture's / trunking etc complete all respect with necessory wiring of mains of 2 no of 2.5 sq mm and 1 no of 1.5 sqmm pvc insulated copper conductor multi-stranded flexible wire with 20/25 dia. PVC conduits with accessories duly burried under floor with necessary chasing / breaking in floor and to be refinished with all necessary civil material etc. complete from UPSDB to Computer power supply boards.{Maxi. 3 computers in one circuit}. complete with necessary termination etc. complete.[White Colour Outer Plate For These Switchboards]. LOOP POINTS MUST BE OF SAME SIZED WIRES. Phase wire must be Red colour, Nutral Wire must be Black color & Green Wire for Earthing. Color code must be maintained. Tagging from UPS O/P DB MCB and Switch board must be done.	17	nos
6	SITC of 2 nos. of 6 A, 5 pin Sockets and 1 no. of with one 6 A switches raw power supply with concealed company made metallic boxes or PVC flush box on walls / furniture's / trunking etc complete all respect with necessory wiring of mains of 2 no of 2.5 sq mm and 1 no of 1.5 sqmm pvc insulated copper conductor multi-stranded flexible wire with 20/25 dia. PVC conduits with accessories duly burried under floor with necessary chasing / breaking in floor and to be refinished with all necessary civil material etc. complete from PDB to Computer power supply boards.{Maxi. 3 Raw Power Points in one circuit}. complete with necessary termination etc. complete [Black Colour Outer Plate For These Switchboards].LOOP POINTS MUST BE OF SAME SIZED WIRES. Phase wire must be Red colour, Nutral Wire must be Black color & Green Wire for Earthing. Color code must be maintained. Tagging from PDB MCB and Switch board must be done.	8	nos
7	SITC of CAT 6 UTP pvc insulated copper conductor data cable of D - Link with 20/25 dia. PVC conduits with accessories duly burried under floor with necessary chasing / breaking in floor and to be refinished with all necessary civil material etc. or to be cleated on wall / ceiling with saddles / spacer etc. necessary termination etc. with ferrule numbering at both ends of each piece of cable complete. [2 Lines from data rack to new krone nr. ele. panel].	60	mtr



8	SITC of CAT 6, RJ 45 information outlet (I/O) of D-link mke with front modular cover plate, flush box metallic or PVC for trucking system etc. complete with terminations etc complete.with Providing, installing, testing, commissioning of CAT 6 UTP pvc insulated copper conductor data cable of D-link make with 20/25 dia. PVC conduits with accessories duly burried under floor with necessary chasing / breaking in floor and to be refinished with all necessary civil material etc. or to be cleated on wall / ceiling with saddles / spacer etc. necessary termination etc. with ferrule numbering at both ends of each of piece of cable etc. complete as per the requirement from data rack to I/O points below tables. etc. (One for LCD & Two for ATM & one for IP phone in BM cabin). Dual jack plate will not be allowed. Cross Ferruling need to be provided for each point. on Data point tagging must be done).	20	nos
9	SITC of 12 U metal rack for computer clamping switch etc complete with Tray Mounting Fan + power supply board. Bank's hardware - port switch / patch panel must be installed by ele. Contractor in this rack (make : D Link / Digi Link / Elixer).	1	nos
11	SITC of 24 port patch panel for computers mounting in metal rack. (make: D Link/Digi Link).	1	nos
13	Supply & fixing the Patch cord 1 mtr. Long (factory built)When supplying , then first ask to BM / Consultant / Architect / Bank Authority.	20	nos
14	Supply & fixing the Patch cord 2 mtr. Long (factory built)When supplying , then first ask to BM / Consultant / Architect / Bank Authority.	12	nos
15	SITC of telephone point with Telephone socket outlets of RJ 11 of aapproved make with company made concealed boxes in walls / furniture's etc. complete with Providing, installing, testing, commissioning of 2 pair of 0.51 cross section pvc insulated copper conductor telephone wire of ITI approved with 20/25 dia. PVC conduits with accessories duly burried under floor with necessary chasing / breaking in floor and to be refinished with all necessary civil material etc. or to be cleated on wall / ceiling with saddles / spacer etc. necessary termination etc. complete.from krone box to tele. RJ - 11 sockets below tables. etc for Intercom / fax / direct Tele. facility. Cross Ferruling need to be provided for each point. on Telephone point tagging must be done.	9	nos
17 (A)	SITC of 10 pair krone telephone tag block duly enclosed in sheet metal powder coated box with locking arrangement complete with necessary terminations.	1	nos
D	DISTRIBUTION BOARD AND PANELS :		



18	SITC of metallic double door type distribution board with all necessary connection complete to be installed concealed in wall / surface mount complete to the satisfaction of the Engineer in charge. The DB should be of same make as MCB make.		
18.1	4 - WAY TPN DB: (LDB - PPI DB.). All MCB should be 'B' type.	1	nos
	incoming: 40 A FP MCB - 1 NO.		
	outgoing: 25 A DP RCCB, 100 mA - 3 NO.		
	outgoing: 6 to 20 A SP MCB (6 nos).		
18.2	4 - WAY TPN DB : (PDB - PPI DB.). All MCB should be ' C ' type.	1	nos
	incoming: 63 A FP MCB - 1 NO.		
	outgoing: 40 A DP RCCB, 100 mA - 3 NO.		
	outgoing: 10 to 20 A SP MCB (2 nos) for raw power points.		
	outgoing : 10 to 20 A SP MCB (4 nos) for 6/16 A power point .		
18.3	4 - WAY TPN DB : (ACDB). All MCB should be ' C ' type.	1	nos
	incoming: 63 A FP MCB - 1 NO.		
	outgoing : 20 A / 25 A FP RCCB, 100 mA (2 nos) for 3 pahse cassette AC points.		
	outgoing : 20 A / 25 A DP MCB (3 nos) for HI- WALL SPLIT AC points.		
18.4	8 - WAY SPN DB : (ATMDB). All MCB should be ' C ' type.	1	nos
	incoming: 40 A FP MCB - 1 NO.		
	outgoing : 20 A / 25 A DP MCB (1 nos) for HI- WALL SPLIT AC points.		
	outgoing : 10 to 20 A SP MCB (2 nos).		
18.5	8 WAY SPN DB: UPS DB - OUTPUT - branch All MCBs must be C Type Characteristic.	1	nos
	incoming: 40 A DP 100 mA RCCB, 100 mA.		
	outgoing: 10 to 20 A SP MCB (4 nos).		
	4 WAY SPN DB. (For essential ups points - UPS O/P DB.) - branch in UPS		
18.6	ROOM.	1	nos
	outgoing: 16 A. DP MCB - 1 NO FOR UPS OUTPUT.		
	outgoing : 10 A / 20 A. SP MCB - 2 NO FOR essential ups points - DATA RACK / FIRE PANEL / CCTV NVR PTS.		
18.7	4 WAY SPN DB . (For ATM ups points - UPS O/P DB - in ATM AREA.).	1	nos
	outgoing: 25 A. DP MCB - 1 NO FOR UPS OUTPUT.		
	outgoing: 10 A / 20 A. SP MCB - 2 Nos.		
			1



18.8	4 WAY SPN DB. (For UPS O/P DB IN UPS ROOM).	1	nos
	outgoing: 40 A. DP MCB - 1 NO FOR UPS OUTPUT.		
	outgoing: 25 A. DP MCB - 1 NO FOR UPS OUTPUT.		
18.9	DP METAL ENCLOSURE DB . (For ATM UPS DB IN UPS ROOM).	1	nos
	outgoing: 25 A. DP MCB - 1 NO FOR UPS OUTPUT.		
18.1	UPS INPUT - 12 WAY SPN DB (For all computers) All MCBs must be C Type Characteristic.	1	nos
	incoming: 40 A FP MCB - 1 NO FOR 3 - phase UPS.(big).		
	outgoing: 40 A. DP MCB - 1 NO FOR INVERTER OUTPUT.		
	outgoing: 25 A DP MCB - 1 NO FOR 1 - phase UPS INPUT for E Lobby.		
	outgoing: 10 A SP MCB - 1 NO FOR UPS ROOM LIGHTING.		
19	SITC of 25 A FP MCB (C - Curve) with powder coated compny made metallic double door sheet stell enclosure complete for three phase 4.0 TR cassette AC units. This will be executed near trap door of indoor unit at reachable height. (as per IP 65 protection). THE ENCLOSURE SHOULD BE SAME MAKE AS MCB MAKE.	2	nos
20	SITC of 40 A / 40 A - TPN / TPN ACCL complete for inverter supply to LDB - check SLD. Cat No. DHACOTT4040. GEN. Rating is 40 A.	1	nos
21	SITC of Main panels as per drawing and specifications. Panel should be dust and vermin proof. Panel shall be fabricated from 14/16 SWG CRCA sheet metal duly powder coated of approved paints. Panel should be as per the sepecifications of ERDA/CPRI. fabrication, Switch gear installation. Internal wiring and Test Certificate from Manufacturer to be submitted All MCBs must be C Type Characteristic. Panel Drawing Need to be approved by Electrical Consultanat / Bank's Engineer before starting work. READ SLD CARFULLY.		
	MAIN PANEL:	1	nos
	Incoming feeder: 100 A C&S Make CSE1N100ETM4P-100A (1 No.). The MCCB should have inbuilt Earth Fault & Nutral Overload Protection with Power Supply & Display Module for Metering & Fault Recording.		
	Incoming feeder: 80 A C&S Make CSE1N80ETM4P-80A (1 No.). REGULAR POWER.		
	Incoming feeder: 80 A C&S Make CSE1N80ETM4P-80A (1 No.) ESSENTIAL POWER.		
	* 80 A, FP Change over switch (1 No.) ESSENTIAL POWER.		
	* 80 A, FP Change over switch (1 No.). REGULAR POWER.		



	* 125 AMP. 500 Volts, 3 phase 50 Hz FP Alu . bus bars of suitable length -Current ratio shall be 1 sq mm = 1.2 A.		
	* 80 AMP. 500 Volts, 3 phase 50 Hz FP Alu . bus bars of suitable length -Current ratio shall be 1 sq mm = 1.2 A.		
	* Digital AVF Meter with control fuses. C.T. shall be of 15VA class 1 type and shall be resin cast type.		
	* Phase indicator lamps phase wise.		
	* Outgoing feeder:		
	* Timer of L & T make Cat. No. 67DDTO digicom Timer with 16A. 4P contactor / Theben make Cat no. SUL 180 a - T180 0 001 ANALOG Timer with L & T make contactor MNX 18 (operating coil voltage 230V, 50 Hz). (24 hrs)1 No for signage light.		
	* 25 A DP MCB (1 no - Sign board for branch).		
	* 40 A FP MCB (1 NO - LDB).		
	* 40 A FP MCB (1 NO - PDB).		
	* 63 A FP MCB (1 NO - ACDB).		
	* 40 A FP MCB (1 NO - UPSDB).		
	* 40 A FP MCB (1 NO - ATMDB).		
	* 40 A FP MCB (1 NO - SPARE DB).		
22	SITC of 100A FP MCCB- C&S Make CSE1N100ETM4P-100A (36KA) (1 No.) with (Ics =100% Icu., confirmed to IS / IEC 60947 -2 adujstable Ir rating from 0.7 to 1) Unit M. S. compartment enclosure IP65 with hinged door & locking arrangement duly fabricated from 18 SWG sheet metal box duly painted with one coat of red-oxide paint and two coats of approved enamell paints with 100A OPEN TYPE FP MCCB UNIT with Phase indicator lamps phase wise, control fuses & wooden back complete. THIS WILL BE INSTALLED NEAR MAIN DOOR - INSIDE OR OUTSIDE - OF THE BANK. (first ask to BM / Consultant / Architect / Bank Authority.	1	nos
Е	EARTHING SYSTEM:		
23	SITC of Earthing Pit with all necessary material and making masonry kundi, watering arrangment etc complete as per ISI 3043-1987 (FOLLOWING ITEMS MAY OPERATE). Resistivity as per IEC / IS. (3 years Manufacturer Warranty. Earthing Certificate Need to Attached). (At the Time of buried of earthing Photograph must be taken Without Photographic Proof Earthing Will be Rejected. Earthing Rod Photo Must be attached with Bill.). Earthing need to measure at Site and it should be less than 5 Ohm. If found more than 5 ohm than will be rejected. Earthing Pit Must be Provided for both Cu as well as GI earthpit.		
23.1	ECO SAFE environment friendly electrical grounding system with T-193- Copper electrode used upto 11 KV, having 50mm dia. of outer pipe and 25 mm dia. of inner pipe and length of 3mtrs with 50kg Back Fill Compound as per UL 476, of Powerfill Eco friendly electrical grounding backfill compound and clamp (UPS) -	2	nos



	Chemical GI Earthing) ERDA & NSIC approved, E link or ETP MAKE or ASHLOK MAKE. Any other make will not be consider Cu. (1 for UPS & 1 for DB - MAIN PANEL.).		
24	SITC and jointing of following wire / strip / earth cable on walls, ceiling etc. With necessary non rusting clamps, washers, nuts and bolts etc complete.		
24.1	SITC of 16.0 sq. mm. Cu. Flexible wire with 20 / 25 mm dia. PVC rigid conduit duly cleated / concealed / burried in floor etc. complete From Cu. earthing pit to Main Panel + From Cu. Earthpit to UPS I / P DB.	30	Rmt
24.3	SITC of 4.0 sq. mm. Cu. Flexible wire with 20 mm dia. PVC rigid conduit duly cleated / concealed / burried in floor etc. complete for all DBS, AC outdoor units, etc.	82	Rmt
F	CABLES & CABLE TERMINATIONS:		
25	Supply, Laying, installation, testing and commissionig of following sizes of PVC insulated PVC sheathed copper / aluminum conductor armoured cable to be laying in existing cable trench or to be laid in existing pipes of with necessary clamps, spacers with cleating on wall ceilling etc. complete to the satisfaction of EIC. All types of cable excavation works should be in contractor's scope. (LENTH TO BE VERIFY AT SITE) with end termination of following PVC insulated armoured cables incluming supply and fixing of brass single compression type cable glands and crimping type aluminum / copper lugs suitable for terminations of armoured cables of following overall diameters, incl.		
25.1	3 C x 2.5 sq. mm Cu . Conductor YWY cable. (for Signboard).	15	mtr
25.2	4 C x 4.0 sq. mm Cu. Conductor YWY cable. (3 PHASE CASSETTE ACDB to PHASE CASSETTE AC - 3.0 TR OUTDOOR UNIT.).	80	mtr
25.3	4 C x 6.0 sq. mm Cu. Conductor YWY cable. (Main Panel to UPS I/P DB).	35	mtr
25.4	4 C x 10.0 sq. mm Cu. Conductor YWY cable. (Main Panel to ACDB).	4	mtr
	(1.12.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.		
25.5	4 C x 16.0 sq mm Alu. Conductor AYFY cable. (Main Panel to LDB, PDB, ATM DB.).	23	mtr
25.6	3.5 C x 50.0 sq. mm Alu. Condudtor AYFY cable. (main cable from Panel to main mccb nr. energy meter) (LENGTH as per site contition).	15	mtr
25.8	25.0 sq. mm single core Cu. wire supply & laying for main load wire from meter to main switchin flexible pipe. if required.	6	mtr
25.1	3 C X 6.0 sq. mm flexible Cu. cable with 20 mm/25 mm dia PVC rigid conduits	41	mtr



0	1.5 mm thick ISI mark .(UPS to UPS O/P DB & UPS I/P DB to UPS) for branch.		
25.1 0	3 C X 6.0 sq. mm flexible Cu. cable with 20 mm/25 mm dia PVC rigid conduits 1.5 mm thick ISI mark .(INVERTER to MCB CHANGEOVER & UPS I/P DB to INVERTER - for INVERTER .) for branch.	38	mtr
25.1 1	3 C X 4.0 sq. mm flexible Cu. cable with 20 mm/25 mm dia PVC rigid conduits 1.5 mm thick ISI mark .(UPS unit to UPS DP MCB - e lobby in ups room + UPS DP MCB - e lobby in ups room to UPS o/p db in ATM area + ups o/p db in ups room to essential ups o/p db in ups room.).	41	mtr
G	MISCELLANEOUS ITEMS :		
26	SITC of 300 x 300 x 40 mm size GI box duly fabricated from 18 SWG m.s. sheet with top cover of s. s. sheet complete with necessary knock outs at all the sides of box for conduit entries duly fixed in floor, including breaking in floor and refinished the same etc. complete (Wire Draw Box).	6	nos
27	SITC of $150 \times 150 \times 40$ mm size GI box duly fabricated from 18 SWG m.s. sheet with top cover of s. s. sheet complete with necessary knock outs at all the sides of box for conduit entries duly fixed in floor, including breaking in floor and refinished the same etc. complete (Wire Draw Box).	2	nos
28.1	SITC of 2.5 sq. mm. 3 core flexible cable of approved make (3 mtr. Length) with heavy duty industrial pvc flexible pipe & 15 amp. 3 pin top of approved make for the supply of LOCKER ROOM, CASH ROOM.	3	nos
29	SITC of CABLE TV cable line with proper fixing and connecting with modular Co-Axial TV Socket 1 run.	40	mtr
30.1	SITC of 24 Hr, 7 days A/C timer with 2 nos of TP power contactor of M.D.S, L & T , SEIMENS, THEBEN (indoasian) Make. All enclosed in sheet steel powder coated enclosure of 200 X 200 mm complete with all necessary termination for e lobby AC supply. Here Ready made Cyclic Timer Will not be permited to be installed in E lobby near main DB.	1	nos
30.2	SITC of 24 Hr, 7 days A/C timer with 2 nos of DP power contactor of M.D.S, L & T , SEIMENS, THEBEN (indoasian) Make. All enclosed in sheet steel powder coated enclosure of 200 X 200 mm complete with all necessary termination for UPS room ex fan supply. Here Ready made Cyclic Timer Will not be permited to be installed in ups room.	1	nos
31	Supply & laying of the empty conduit 25 mm.	50	mtr



32	Laisioning work (addition Load) WITH Electric suppply Co. in branch & Apporoval and Neccessary cirtificate. Contrctor must submit latest light bill + load sheet (duly signed) with final bill. Also check where load wires from ele. Supply vij co feeder to meter box must be carried full lod of branch & submit report.	1	job
33	Providing necessary plug points (3 boards - each including 25 DP RCCB, 30 mA + 3 nos switches & 3 nos plugs, 16 a switch & 16 a plug) & light points for tube lights (including necessry wiring) at various locations as required by various contractors for execution of various works / to run equipments such as drill / cutter etc. during the entire execution process. The accessaories used for this purpose shall be of temp. nature (anchor piano or eq.) & the contractor has to take back the same on completion of the project. The supply for this shall be taken from the temporary connection provided at / from nearby general meter under co.ordintion with the LANDLORD. & also providing temporary power supply for computers and data connection for computers with wiring, switchboard, Comp. I/O Points, etc. for smoothly running of the branch with removing & reshifting of the computers , printers, etc. bank hardware accessories.	1	job
	TOTAL - PART A :::		
	PART - B :::: BUYBACK		
34	BUY BACK : FROM old premises - Entire existing electrification, telephone wirings, LAN wirings with conduits shall be removed and shall be purchased by the contractor including switches and accessories, light fixtures, ceiling fans, exhaust fan , all dbs, main panel, all cables, etc.(Contractor shall last visit site before quoting and the submit the list of material with quantities which are buying and the quoted rate shall be lump sump basis).	1	Job
	TOTAL - PART A - PART B (BUYBACK) ::::		
	% DISCOUNT IF ANY :::		
	GRAND TOTAL :::		
1	ALL RATES SHOULD BE INCLUDE OF ALL TAXES EXCLUDING GST WHATEVER APPLICABLE.	IS	
2	THE CONTRACTOR SHOULD DEPUTE ONE PERSON AT SITE FROM START OF WOR FOR GIVING TEMPORARY CONNECTIONS & ATTENDING PROBLEMS.	КТОГ	TINISH
3	THE CONTRACTOR SHOULD WORK ACCORDING TO THE FINAL LAYOUT.		



	SUBMISSION.
5	THE CONTRACTOR SHOULD CHECK ELE. APPROVED MAKE LIST BEFORE QUOTE.
6	THE CONTRACTOR SHOULD SUBMIT TEST CERTIFICATE OF PANEL FROM PANEL BUILDER AS PER PERFOMA GIVEN IN TENDER. BUT THE PANEL SHOULD BE MADE AS PER CPRI TERMS & CONDITIONS & ALSO APPROVED BY BANK'S ELE. ENGINEER / CONSULTANT. THE CONTRACTOR SHOULD FOLLOW THE GA DRAWING & PANEL SLD IF GIVEN IN TENDER.
7	LOWEST BIDDER SHALL BE DECIDED AFTER DEDUCTING THE BUYBACK VALUE.
8	THE CONTRACTOR SHOULD SUBMIT BANK GUARANTEE OR WARRANTY OF FIXTURES - LED FOR MIN. 3 YEARS.
9	CONTRACTOR SHOULD BE SUBMITTED THE CERTIFICATE OF WIRES THOSE USED FOR THE BRANCH FROM DULY SIGNED BY COMPANY AUTHORISED PERSON PER PROJECT BASIS.
10	EARTH RESISTANCE SHOULD BE CHECKED & SUBMITTED THE REPORT WITH DULY SIGNED BY ELE. CONTRACOTR AT THE TIME OF BILL CHECKING.
11	SINGLE LINE DIAGRAM SHOULD BE SUBMITTED AT BRANCH & ONE COPY SHOULD BE ATTACHED NEAR DB / MAIN PANEL.
12	SHOCK TREATMENT CHART SHOULD BE PEST NEAR DB / MAIN PANEL. STICKERS SHOULD BE PEST ON DBS / MAIN PANEL.
13	THE CONTRACTOR'S PRESENCE MUST BE COMPULSORY FOR SHIFTING / INSTALLING OF UPS , DATA RACK, EPABX SYSTEMS MUST HELP TO BANK'S VENDORS LIKE PCS (HARDWARE), UPS , DATACRAFT (PORT SWITCH - SOFTWARE), ETC.
14	CONFIRMATION/ RECEIVED SIGNATURE FROM BRANCH MANAGER REQUIRED FOR SUPPLY OF PATCH CORDS.
15	THE RATES QUOTED BY THE CONTRACTOR IN THE COLUMN WHERE QUANTITY & UNIT ARE NOT MENTIONED IN THE TENDER ARE NOT NECESSARY BE ACCEPTED, IF LATER THE SAME ARE TO BE FIXED ON SITE.
16	THE CONTRACTOR SHOULD BE ADVISED NOT TO LAY ANY CONDUIT / CABLE MAIN LINES THROUGH THE CASH ROOM / LOCKER ROOM / RECORD ROOM FOR SECURITY SAFETY AUDITS.
17	IF THE CONTRACTOR HAS NOT CARRIED OUT ELECTRICAL WORK AS PER STANDARD SPECIFICATION THEN CONTRACTOR IS LIABLE TO REMOVE AND REWORK AS PER STANDARD SPECIFICATION AND WHATEVER THE DAMAGE IN CONNECTION WITH CIVIL/ FURNITURE/ AC WORK WILL BE BEAR BY CONTRACTOR. IF CONTRACTOR WILL NOT DONE REWORK THEN WHATEVER BEEN THE COST FOR REWORK WILL BE DEDUCTED FROM CONTRACTOR'S BILL.
18	THE CONTRACTOR SHOULD BE ADVISED TO FIX 2 / 3 INCH SIZE PIES FOR HOLES IN OUTSIDE AREA WHERE THERE WILL BE CREATED THE HOLES IN WALL FOR CABLES / EARTH STRIP LAYING WORKS. FILLED WITH CEMENT / MORTAR WITH END CAPS OF PIPES.

APPROVED MAKE LIST OF EQUIPMENT AND ACCESSORIES

	PVC rigid condu	its & Accessories. :
1	1.5 mm thick (MMS) ISI and FIA approved - Polycab / Anchor make.	Precision / Vraj / Nihir / BLP / PFI / Astral / (Only white coloured pipes FRLS type to be
	used.).	

	L.T. Cables :
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2	Havells / KEI / Polycab / R. R. Kable / Finolex.
3	Wires (FRLS): Havells/KEI/Polycab/R. R. Kable/Finolex/Anchor.
4	Main Distribution Boards / ELCB - RCCB - Miniature Circuit Breaker / Switch gears : ALL Switchgear items & mcbs & dbs should be same make for one branch. MDS Legrand (Lexic) / Hager / Havalls / Schneider (Eazy 9) / C & S Wintrip / Siemens Bitaguard / ABB.
5	Change Over Switch :
	HPL Socomac/ Havells / L & T / Hager.
6.A	Domestic fittings : - All Switching Modular Accessories. : Schneider Livia / Anchor Roma Plus / Crabtree Verona / Legrand Myris / ABB / C & S ELUSIO.
6.B	Domestic fittings : - Holders / ceiling roses. :
	Anchor / ABB or equivalent approved make.
6.C	Domestic fittings : - Adhesive Tape. : Bhor (Steel Grip) or approved .
	bhor (Steel Grip) of approved.
7	10 - 30 A Polycarbonate Socket & Top: MDS Legrand (Lexic) / Hager / Havells / Schneider (Eazy 9) / C & S Wintrip / Siemens Bitaguard / ABB.
	Telephone Wires / Cable :
8	Finolex/R. R. Kable/Havells/L & T/Polycab.
_	Telephone tag block :
9	Krone make.
10	Cable Lugs :
10	Dowell/Lotus / Jainson / 3 D.
11	Cable gland Single / Double Compression :
11	HMI/Comet/3D.
10	Ammeter / Voltmeter :
12	AE / HPL /MECO/ Enercon make.
13	Selector switches:
	L &T salzer/Kaycee/ABB make.



LED type Teknic / Precifine / Binay / ABB. Connector strips: Wago / Elmex make.	
Wago / Elmex make.	
Wago / Elmex make.	
Lighting Fixtures :	
16 Wipro/Philips/GE/Crompton/Havells.	
Exhaust fan (Light duty) :	
Khaitan / Crompton / Havells.	
Ceiling Fan (5 star rated):	
Crompton (High Breeze Plus) / Havells / Orient (PSPO).	
Wall mounted Fan (5 star rated):	
ALMONARD tempest mark II or equivalent make. Wall fan with PVC body stri	ictly rejected.
Data Cable - I / O Unit :	
D - Link/Digi Link.	
LIGHTING / FAN FIXTURES - SEE CAT NO. & SPECIFIED MAKE IN THE PRI	ICE DID

LIGHTING / FAN FIXTURES - SEE CAT NO. & SPECIFIED MAKE IN THE PRICE BID.

CONTRACTOR SHOULD USE ONLY ONE COMPANY FOR ALL SWITCHBOARDS / DBS.

CONTRACTOR SHOULD SUBMIT SIGNED COPY OF MAKE LIST BEFORE WORK STARTED.











