

SHORT NOTICE TENDER

**NOTICE INVITING TENDER FOR
CIVIL & INTERIOR WORKS AT
SEMINAR HALL, SRI GURU GOBIND
SINGH COLLEGE OF COMMERCE
PITAMPURA, NEW DELHI**

(TWO BID SYSTEM)

Tender shall be submitted in 3 separate envelopes

Envelope One: Technical Bid
Envelope Two: Financial Bid
Envelope Three: Earnest Money Deposit

Start of Sale of Tender documents: 05 December 2017
Last Date of Sale of Tender documents: 11 December 2017
Date of Submission of Tender Document: 12 December 2017

Prepared by:
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1206 Surya Kiran Building, 19 K.G. Marg ,
New Delhi 110001

**Sri Guru Gobind Singh College of Commerce
(University of Delhi) Pitampura, New Delhi**

Sealed Item rate tenders in two bid system (Technical Bid and Financial Bid) are invited by the Principal, Sri Guru Gobind Singh College of Commerce for Civil & Interior works at seminar hall, Sri Guru Gobind Singh College of Commerce, New Delhi from reputed building contractors who have executed three similar works costing not less than 15.0 Lakh or two similar works costing not less than 23.0 Lakh or one similar work costing not less than 30.0 Lakh in the last three years.

Tenderers shall furnish proof of satisfactory completion of such work issued by the client along with their full company profile including list of T&P, technical staff, PAN No, GSTN No, solvency certificate and 3-year ITR of company. **All these documents will be submitted in the technical bid for the tender.** Technical bid shall be opened first and after evaluation and finalization of technical bid, the list of eligible contractors shall be prepared and financial bid of the short-listed contractors shall be opened.

Tender documents can be obtained from the office of Principal Sri Guru Gobind Singh College of Commerce, Pitampura New Delhi 110034 from 05/12/2017 to 11/12/2017 during working hours on payment of Rs. 1000/- by DD in favour of Principal Sri Guru Gobind Singh College of Commerce.

Earnest Money Deposit	Rs. 75,000/- (Rupees Seventy-five thousand only) in a separate envelope
Last Date of Sale of Tenders	11/12/2017
Last date of Submission of Tenders	12/12/2017 upto 3:00 pm
Date of Opening of Technical Bid	12/12/2017 at 3:30 pm
Date of Finalization of Technical Bid	Will be conveyed to eligible contractors

Note: Tender Document can also be downloaded from the college website www.sggsc.ac.in and Delhi University Website www.du.ac.in Downloaded tender shall accompany a DD of Rs. 1000/- drawn in favour of Principal Sri Guru Gobind Singh College of Commerce, as cost of tender (Non-refundable). Downloaded tender documents shall be spiral bound before submission. Loose, Stapled or incomplete bid documents will be rejected. College reserves the right to reject any or all the tenders without assigning any reason.

Issued: _____

Dated: _____

Principal,
Sri Guru Gobind Singh College of Commerce
Pitampura, New Delhi

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APPENDIX

Defects Liability period	12 Months
Date Of Commencement	The 10 th day after the date on which The Architect /Engineer-in-charge issues written orders to commence the works or the date of handing over the site whichever is later
Date of Completion	3 months from the date of commencement
Penalty for delay	5,000/-per day up-to maximum 10% of the cost of the works.
Value of work for Interim Certificate	Rs.10,00,000/- (Rupees Ten Lakh only)
Earnest Money Deposit	Rs. 75,000/- (Rupees Seventy-five thousand only)
Retention Percentage	5%(As per the terms and conditions)
Performance Guarantee	Before issue of letter to start the work, Contractor shall furnish a performance guarantee in the form of a Bank Guarantee to the tune of Five percent (5%) of the cost of the accepted tender amount, which will be kept valid up to 12 months after completion of the works.

Contractor

Employer

**Sri Guru Gobind Singh College of Commerce,
(University of Delhi) Pitampura, New Delhi**

Dated 05/12/2017

NOTICE INVITING TENDER

- 1) Sealed Tenders are invited by the Principal, Sri Guru Gobind Singh College of Commerce for Civil & Interior Works of seminar hall at Sri Guru Gobind Singh College of Commerce, New Delhi.
- 2) The Architects for this job are M/s Ranjit Singh & Associates, 1206 Surya Kiran Bldg, 19 Kasturba Gandhi Marg, New Delhi –110001. Ph. 011-23312688 Fax: 011-43560879 Email: rsa1206@msn.com.
- 3) The Tender shall be submitted in the prescribed form.
- 4) The works are required to be completed within a period of 3 months from the date of commencement.
- 5) The date of commencement shall be from the 10th day after the date on which the Architect/Engineer-in-charge issues written orders to commence the work or from the date of handing over of the site whichever is later.
- 6) The work shall be carried out in accordance with the phasing plan approved by the college authorities to avoid disturbance to the normal working of the College. The site is expected to be handed over immediately. The contractor will prepare and submit a Phasing Plan with Bar Chart of all construction activities with targeted dates of completion for all the construction activities and get it approved from the college authorities
- 7) Tender documents consisting of terms and conditions and Tender schedule can be obtained from the office of the Principal, Sri Guru Gobind Singh College of Commerce, New Delhi on any working day from 05/12/2017 to 11/12/2017 on the payment of Rs.1,000/- by crossed cheque in favour of Principal Sri Guru Gobind Singh College of Commerce . This amount is non-refundable.
- 8) Completed Tender should accompany PAN number, GSTN registration number, email address, phone number and registered address of the Contractor
- 9) Plans, specifications etc. pertaining to the works can be inspected in the office of M/s Ranjit Singh & Associates, 1206 Surya Kiran Bldg, 19 Kasturba Gandhi Marg, New Delhi 110001, during office hours on any working day OR in the office of the Principal, Sri Guru Gobind Singh College of Commerce, New Delhi with prior appointment.
- 10) CONTRACTORS are advised to inspect and examine the site and the surroundings and satisfy themselves before submitting their Tender as to the nature of the ground and sub-soil (so far as practicable), the form and the nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain

necessary information as to the risks, contingencies and other circumstances which may influence or affect their Tender. CONTRACTOR shall be deemed to have full knowledge of the site, whether he inspects it or not and no extra charge consequent to any misunderstanding or otherwise shall be allowed.

- 11) Submissions of the Tender by the CONTRACTOR implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and local conditions and other factors bearing on the execution of the works.
- 12) A CONTRACTOR should quote in figures as well as in words rate(s) quoted. The amount for each item should be worked out and the requisite totals given. Special care shall be taken to write rates in figures as well as in words and the amount in figures only in such a way that interpolation is not possible. The total amount shall be written both in figures and in words. In case of figures the words "Rs." should be written before the figure of rupees and the words "paise" should be written at the end. Unless the rate is in whole rupees and followed by the word "only" it should invariably be upto two places of decimals.
- 13) All rates shall be quoted on the Tender form only.
- 14) Tender shall be received by the office of the Principal, Sri Guru Gobind Singh College of Commerce, New Delhi up-to 1500 hours on 12/12/2017 and the technical bid shall be opened at 1530 hours on the same day in the presence of the CONTRACTORS, who may be present or the earliest convenient time and day thereafter.
- 15) The Tender shall be accompanied by earnest money deposit of Rs. 75,000/- (Rupees Seventy five thousand only), in the form of a demand draft in favor of the Principal, Sri Guru Gobind Singh College of Commerce, New Delhi.
- 16) On acceptance of the Tender, earnest money will be treated as a part of the security. In addition, contractor shall furnish performance guarantee in the form of an F.D.R or bank guarantee of 5% of the accepted Tender cost in favor of Principal, Sri Guru Gobind Singh College of Commerce, New Delhi before issue of letter to start the work
- 17) The CONTRACTOR, whose Tender is accepted, shall permit of the Principal, Sri Guru Gobind Singh College of Commerce, New Delhi at the time of making any payments to him for works done under the contract to deduct towards security deposit such sum as will along with the amount of earnest money already deposited amount to the following % of the cost of the work: -
 - 5% of the bill amount.
 - 50% of the security money will be released along with the final bill and the balance after expiry of the successful performance of the Defects Liability Period of one year without any interest.
- 18) Sri Guru Gobind Singh College of Commerce, New Delhi will return the earnest money where applicable, to every unsuccessful CONTRACTOR on return of all the Tender documents without any interest.

- 19) A CONTRACTOR shall submit the Tender which satisfies each and every condition laid down in this notice, failing which the Tender will be liable to be rejected.
- 20) Sri Guru Gobind Singh College of Commerce, New Delhi does not bind itself to accept the lowest or any tender or to give any reasons for their decision.
- 21) Sri Guru Gobind Singh College of Commerce, New Delhi reserves the right of accepting the whole or any part of the Tender and CONTRACTOR shall be bound to perform the same at his quoted rates.
- 22) Sales tax, purchase tax, turnover tax or any other tax applicable in respect of this contract shall be payable by the Contractor and Sri Guru Gobind Singh College of Commerce will not entertain any claim whatsoever in respect of the same. However, in respect of GST, same shall be paid by the contractor to the concerned department and it will be reimbursed to him by Sri Guru Gobind Singh College of Commerce after satisfying that it has been actually and genuinely paid by the contractor
- 23) T.D.S. for GST/WCT etc. as applicable to union territory of Delhi shall be deducted from the payments to be made to the Contractor and tax deduction certificate shall be issued by Sri Guru Gobind Singh College of Commerce, New Delhi as per govt. guidelines
- 24) This notice of Tender shall form part of the contract documents.

Contractor :

Duly authorized to sign the
 On Behalf of M/s

Owner:

**For and on behalf of
 Sri Guru Gobind Singh College of
 Commerce**

Signature.....

Date.....

Email.....

Phone.....

Postal Address.....

Authorized Signatory

To,

The Principal
Sri Guru Gobind Singh College of Commerce,
Pitampura, New Delhi.

Dear Sir,

I/We have read and examined the following documents relating to Civil & Interior Works at seminar hall, Sri Guru Gobind Singh College of Commerce, Pitampura New Delhi.

- 1) Notice Inviting Tender Specifications
- 2) Drawings
- 3) General Conditions of Contract
- 4) Special Conditions
- 5) Tender Schedule

I/We hereby Tender for execution of the works referred to in the aforesaid, documents upon the terms and conditions contained or referred to therein and in accordance in all respects with the specifications, designs, drawings and other relevant details at the rates quoted by us in the Tender schedule. We have visited and examined the site of works and are fully aware of the site conditions, having a bearing on the contract.

In consideration of I/We being invited to the Tender, I/We agree to keep the Tender open for acceptance for 90 Days from the due date of submission thereof and not make any modifications in the terms and conditions which are not acceptable to Principal, Sri Guru Gobind Singh College of Commerce, New Delhi.

A sum of Rs. 75,000/- (Bank Draft No..... Dated.....) is hereby forwarded in Bank Draft in the favor of Principal, Sri Guru Gobind Singh College of Commerce, New Delhi as earnest money. If I/we fail to keep the Tender open as aforesaid or make any modifications in the terms and conditions of the Tender which are not acceptable to Principal, Sri Guru Gobind Singh College of Commerce, New Delhi. I/We agree that Principal, Sri Guru Gobind Singh College of Commerce, New Delhi. Shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Should this Tender be accepted, I/we hereby agree to abide by and fulfill all the terms, conditions and provisions of the aforesaid documents.

If after the Tender is accepted, I/we fail to commence the execution of the works as provided in the conditions, I/we agree that Principal, Sri Guru Gobind Singh College of Commerce, New Delhi shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely.

I/We agree that should Principal, Sri Guru Gobind Singh College of Commerce, New Delhi. decide to forfeit earnest money as aforesaid, unless a sum equal to the earnest money mentioned above is paid by us forth-with, the principal Sri Guru Gobind Singh College of Commerce, New Delhi may at its option recover it out of the deposit and in the event of deficiency, out of any other money due to me/us or otherwise.

Duly authorized to sign the Tender
On behalf of M/s

.....

Signature.....

Dated.....

Postal Address.....

SPECIAL CONDITIONS

1. The work shall be carried out as per specifications in the Tender schedule/latest C.P.W.D. Specifications, along with the correction slips; issued up to date of acceptance of Tender in case of doubt the decision of the Architect shall be final and binding on the Contractor.
2. The Contractor shall carryout the work in stages as to cause minimum disturbance to the working of Sri Guru Gobind Singh College of Commerce, New Delhi and other organizations. He shall be responsible for any damage to the equipment or structures, injury to the personnel during the progress of the work and he shall be liable to pay compensation as may be decided by the Principal or his authorized representative in respect of such damages /injuries.
3. The serviceable materials out of the dismantled materials if any will be the property of the college and properly stacked by the Contractor as directed by the Engineer-in-charge. Decision of principal or his authorized representative on the service-ability of the dismantled materials shall be final and binding on the Contractor.
4. All labour Employed by the Contractor shall be covered by the workman's compensation act. Any death, injury or mishap to the workmen of the Contractor will entirely be the Contractor's responsibility and the College, shall not be liable to pay any damages for the same.
5. Contractor shall take adequate safety precautions to avoid any accident etc. at site. Shall erect proper barricades, sign boards, lights, etc. shall provide safety belts, safety shoes, head gears (helmet I.S.I standard) and shall be fully responsible for any criminal & civil liabilities. All safety arrangements are to be made by contractor at his own cost.
6. No labor or material rate escalation claims will be entertained from the contractor as this work has to be completed within 3 months from the date of commencement of work at site.
7. Rates quoted shall be applicable equally to all floors and shall include all lifts and leads. No extras on this account shall be payable.
8. Water and electricity shall be arranged by the Contractor. In case it is available, the same can be provided by the College authorities at one point. A recovery @ 1 % for providing electricity and 1% for providing water shall be made by the college authorities on gross value of work done by the contractor.
9. Rates quoted by the contractor shall be inclusive of all items of work listed below and Any work, supplies or services which might have not been specifically mentioned in the specifications, schedule of items or drawings but are necessary for entire completion of

the work shall be executed / provided/ rendered by the CONTRACTOR without any Extra cost and within the time schedule specified. Rates quoted shall be deemed to include such elements of labour and materials necessary to complete the items of work in all respects

10. Contractor shall submit only computerized Bills supported with computerized measurement sheets in A4 size hard copy prints and soft copy in Microsoft Excel Format. Manual Handwritten bills or measurement sheets will not be accepted.
11. Labour Camp will be arranged by the contractor outside the college premises. Sri Guru Gobind Singh College of Commerce does not have space for labour camps inside its premises.
12. Making of any cut out/ opening for electrical wiring/fitting ceiling lights etc. in any of the item of false ceiling, partition, panelling masonry work etc and providing panels of the same finish in partitions panelling shall not be paid extra
13. Principal SGGSCC Pitampura reserves the right to decrease the items of work, change the specifications of works or remove the entire section of work as may be deemed necessary to finish the works within the available budget.

GENERAL CONDITIONS OF CONTRACT

Definitions: the contract document consists of the agreement, the special and general conditions of the contract, specifications and bills of quantities including all modifications and the contract drawings prepared by the Architect from time to time

1. The site: shall mean the site of contract work at Sri Guru Gobind Singh College of Commerce, New Delhi.
2. Sub-Contractor: includes those who have a direct contract with the Contractor.
3. Notice: written notice shall be deemed to have been served if delivered in person to a member of the Contractors firm.
4. Owner: Principal, Sri Guru Gobind Singh College of Commerce, New Delhi.
5. Work: the term “work” includes both labour and material of the Contractor/Sub-Contractor.
6. Time limits: time limits or 3 months stated in the contract are essence of the contract.
7. Law: law of the place of work shall govern the construction under this contract.
8. Virtual completion: date of virtual completion is the date when the construction is sufficiently completed in accordance with the contract documents, including modifications, if any.
9. Contract documents: shall consist of the following
 - a) Articles of agreement
 - b) General and special conditions of contract
 - c) Technical specifications
 - d) Bills of quantities

TYPE OF CONTRACT

It is an item rate contract. The Contractor shall be paid for the actual quantity and quality of work done, as measured at site on the rates quoted by him, on the basis of a payment certificate issued by the Architect/ Engineer- Incharge

SCHEDULE OF QUANTITIES

Schedules of quantities given in the contract bill are provisional and are meant to indicate the intent of the work and to provide a uniform basis for the contract. The Owner reserves the right to increase or decrease any of the quantities or to totally omit any of them. Contractor shall be

bound to carry out the same without claiming any extras.

CONTRACT DRAWINGS

1. In general, drawings shall indicate dimension, position & type of construction.
2. Specifications shall indicate the qualities, methods, and bill of quantities shall indicate the quantum and rates. Any work indicated in drawings and not mentioned in the specifications or vice versa shall be furnished as fully set forth in both.
3. Contractor shall not deviate from the drawings and Architects interpretation of the drawings shall be final and without appeal.
4. Errors/inconsistencies discovered in the drawings shall be instantly brought to the notice of the Architect for interpretation and correction, if any.
5. All drawings are the property of the Architect and shall not be used on any other project.
6. Bar bending schedule, if requested by the Architect/Engineer in-charge shall be furnished to him prior to fabrication.

ARCHITECTS INSTRUCTIONS

If within seven days of receipt of written instructions from the Architect, requiring compliance with an instruction the Contractor does not comply hence-with, then the Owner may get the work executed through another agency at the risk and cost of the Contractor.

SCOPE OF WORK OF CONTRACTOR

The scope of work to be carried out by the CONTRACTOR shall also include the following:

- a) Setting out of the works in respect of position, level dimensions, alignments, etc. including establishment of bench marks, survey reference points, etc.
- b) Clearance of the site.
- c) Site leveling /terracing within the limits as shown in the drawings or as directed by the Engineer In charge.
- d) Disposal of debris, excavated materials, etc. as per the instructions of the Engineer In-Charge
- e) Testing of water, soil and concrete. And any other test as required by CPWD norms
- f) Pumping out rain water/underground water from foundations, excavations and drainage of surface water from work site.
- g) All scaffolding, shorting, centering, shuttering works, etc.

- h) Running and maintenance of all construction plants and equipment, tools and tackles, etc.
- i) All temporary /enabling works such as approach road to the site, water supply, drainage and sewerage, power supply including diesel generator set, temporary offices, stores, construction yard, canteens, toilet blocks, labour camp, fencing, etc.
- j) Protection and maintenance of trees, shrubs, green and other surfaces as instructed by the Engineer In charge.
- k) Any other work required in connection with the execution of the contract work.

The cost of all the above-mentioned works shall be deemed to be included in the rates for various items of work although such inclusion may not be specifically spelt out.

Whether specified elsewhere in the Agreement or not, the CONTRACTOR shall provide all materials (including steel and cement unless specifically spelt out in the agreement otherwise), labors of every description, energy and water and all tools, tackles, plant and transport necessary for proper execution of the work to the entire satisfaction of the OWNER.

SAMPLES AND SHOP DRAWINGS

The Contractor shall submit samples of materials and shops drawings required by the Architect with promptness within a week.

PROGRESS CHART

In order to achieve the completion time as stated above, the CONTRACTOR shall submit to the OWNER within 2 (two) weeks from the effective date of Agreement a detailed Bar chart/PERT Network showing all the activities including mobilization, site clearance, procurement of major construction materials like steel and cement, excavation, foundation work, sanitary and water supply work, etc. The list of activities for which the Bar chart/PERT network has been worked out and their commencement, duration and completion shall be subject to the approval of the OWNER

ACCESS FOR ARCHITECT TO THE WORKS

The Architect and his representative shall have access, at all reasonable times, to the work and workshops of the Contractor.

ARCHITECTS STATUS AND DECISIONS

The Architect shall be Owner's representative during the construction period. He shall periodically visit the site to familiarize himself generally with the progress and the quality of

work and to determine, in general if the work is proceeding in accordance with the contract documents. The Architect shall not be required to make exhaustive or continuous on-site inspections to check the quality and quantity of the work, and shall not be responsible for the Contractors failure to carry out the construction work in accordance with the contract documents. During his site inspections the Architect shall inform the Owner about progress of work, defects and deficiencies if any.

The Architect may in his absolute discretion from time to time, issue further drawings, details, written instructions, written decisions and written explanations in regard to: -

1. Variation or modification of the design
2. Quality or quantity of work, addition/alteration/omissions and substitutions of any work
3. Any discrepancy and divergence between drawings and specifications.
4. Removal and re-erection of any works executed by the Contractor
5. Dismissal of any persons employed on the site, who in the opinion of the Architect is not fit for the job.
6. Opening up for inspection any work-covered up
7. Amending and making good any defects under defects liability period
8. Removal from site, any materials brought by the Contractor, which in the opinion of the Architect is not up to the desired standard.
9. Delay and extension of time
10. Postponement of any work

ENGINEER INCHARGE

Engineer In-Charge shall mean the person approved by the Architect and appointed and paid by the Owner and acting under the directions of the Architect.

CONTRACTORS FIELD ORGANIZATION AND EQUIPMENT

1. The Contractor shall employ qualified and competent licensed Electricians on the site.
2. Contractor shall provide and install all necessary hoists, ladders, scaffoldings, tools, tackles, plants and machinery necessary for execution of the works
3. Contractor shall provide and maintain simple water tight office accommodation at site
4. Contractor shall make his own security arrangements at site and keep a 24hours Watchman
5. Contractor shall provide sanitary convenience for site staff and labour to keep the site clean
6. A telephone line at site to be maintained and paid by the Contractor
7. Guardrails shall be provided by the Contractor for safety of labour and general public at the

site of works.

TAXES

Sales-tax, purchase tax, turnover tax or any other tax applicable in respect of this contract shall be payable by the Contractor and Sri Guru Gobind Singh College of Commerce will not entertain any claim whatsoever in respect of the same. However, in respect of GST, same shall be paid by the contractor to the concerned department and it will be reimbursed to contractor by Sri Guru Gobind Singh College of Commerce after satisfying that it has been actually and genuinely paid by the contractor

STATUTORY OBLIGATIONS

The Contractor shall comply with and give all notices required by any Govt. authority and instrument, rule or order made under an act of parliament or state assembly or any regulation or bye-law of the local body, relating to the work and indemnify the Owner against any such liability arising out of noncompliance of the law.

By way of illustration of various Acts/statutory compliances as stated above, the following Acts as amended from time to time shall be complied with by the CONTRACTOR:

- a) Employee's Provident Fund Act 1952
- b) Contract Labour Act (Regulations and Abolition 1970)
- c) Minimum Wages Act 1948
- d) Payment of Wages Act 1936
- e) Workmen Compensation Act 1923
- f) Factories Act 1948
- g) Apprenticeship Act 1961

SUB CONTRACTOR

Before awarding any sub contract, the Contractor shall notify the Architect in writing the names of the Sub-Contractors proposed. Contractor shall not employ the Sub-Contractor to whom Architect or Owner may have a reasonable objection.

MEASUREMENT OF WORK

Unless otherwise specified, measurement of work shall be carried from the works actually executed. The measurements for the purpose of preparing Bills will be taken jointly by the CONTRACTOR's representative and the Engineer In charge. In measurement of work as stated above, the CONTRACTOR shall certify that the work has been carried out strictly as per the drawings, specifications and item of work in terms of the

agreement. Such certificate shall require Engineer In-Charge's endorsement for the purpose of payment.

In the event of any dispute with regard to the measurement of the work executed, the decision of the OWNER shall be final and binding on the CONTRACTOR

In the case of site measurements, should the CONTRACTOR not attend or neglect or fail to send his representative for taking joint measurements, the measurements taken by the Engineer In Charge shall be deemed to be the correct measurement of work and shall be binding on the CONTRACTOR

REJECTION

If the Contract work or any portion thereof, at any time, is found to be defective or fails to fulfill the requirements of the agreement, the Engineer In Charge shall give the CONTRACTOR notice in writing setting-forth particulars of such defects or failure and the CONTRACTOR shall forthwith make good the defects or replace or alter the same to make it comply with the requirements of the agreement.

Any materials, equipment, etc. brought to the site and found to be not in accordance with the agreement, shall be rejected by the Engineer In-Charge and the CONTRACTOR shall remove the materials from the site within the period specified by the Engineer In-Charge.

The CONTRACTOR shall not be entitled to any extension of time or extra cost for rejection as per above

CERTIFICATES OF PAYMENTS

Architect shall issue an interim certificate of payment stating the amount due to the Contractor from the Owner and the Contractor shall be entitled to payment thereof within a period of two week after issue of the certificate. From the total amount, certified deduction shall be made towards payments already made, security deposit, TDS etc.as applicable to Delhi or any other tax applicable at the time of making payment.

All running payments shall be regarded as payment by way of advance against final payment only and not as payment for the work completed till the date of final payment. The running payment made shall not preclude the liability of the CONTRACTOR to finally complete the work strictly in accordance with the specifications and drawings, if required by re-constructing faulty work

CLAIM FOR EXTRA

In the case of extra item(s) (items that are completely new, and are in addition to the items contained in the contract), the contractor will submit rates, supported by rate analysis, for the work and the engineer-in-charge shall within one month of the receipt of the rates supported by rate analysis, after giving consideration to the analysis of the rates submitted by the contractor, determine the rates on the basis of the market rates and the contractor shall be

paid in accordance with the rates so determined.

DEDUCTION FOR UNCORRECTED WORK

If the Architect deems it in-expedient to correct work damaged or not done in accordance with the contract, an equitable deduction from the contract price shall be made thereof.

FLUCTUATIONS

The Contractor shall not claim any extras for fluctuation of price and the contract price shall not be subjected to any rise or fall in prices.

POSSESSION BEFORE VIRTUAL COMPLETION

If the Owner, with the consent of the Contractor takes possession of part of the building for handing over to the finishing Contractor, such part of the building shall not be deemed to be virtually completed. Virtual completion of such part would occur only on completion of the last part of the structure.

TIME EXTENSION

Upon it becoming reasonably apparent that the progress of the work is delayed, the Contractor shall forthwith give written notice of the cause of delay to the Architect, to enable the Architect and Owner to take a proper decision in the matter.

INSPECTION AND TEST

- i. The CONTRACTOR shall ensure inspection and test of all materials and work at his cost through his ENGINEER IN CHARGE and other technical staff either at site or through any approved laboratory.
- ii. The CONTRACTOR shall ensure proper supervision and inspection during the progress of work at site.
- iii. All materials and work, whether at the site or in the CONTRACTOR's /Sub-Contractor's premises shall be subject to inspection and test by the ENGINEER IN CHARGE. The CONTRACTOR/ his Sub-Contractor shall provide all facilities free of cost to the ENGINEER IN CHARGE including all labor, materials, tools, tackles, instruments, appliances, etc. to enable the ENGINEER IN CHARGE to carry out inspection and/or test.
- iv. All test certificates shall be subject to certification by the ENGINEER IN CHARGE.
- v. The CONTRACTOR shall submit to the ENGINEER IN CHARGE three copies of all inspection/ test certificates.

- vi. The CONTRACTOR shall not be entitled to any claim for extra time or cost due to any delay in carrying out inspection and testing or re-inspection and re-testing if so decided by the ENGINEER IN CHARGE.
- vii. The CONTRACTOR shall take adequate steps to rectify the defects or to replace such materials and work which have failed during inspection /testing

RESPONISBILITY OF COMPLETION

Any work, supplies or services which might have not been specifically mentioned in the specifications, schedule of items or drawings but are necessary for entire completion of the contract work shall be executed / provided/ rendered by the CONTRACTOR without any Extra cost and within the time schedule specified. Rates quoted shall be deemed to include such elements of labor and materials necessary to complete the items of work in all respects.

DAMAGES FOR NON-COMPLETION

If the Contractor fails to complete the works by the date specified or within any extended time granted to him, the Contractor shall allow the Owner to deduct a sum calculated at the agreed liquidated damages, from the money due to him for the period the work remained incomplete, subject to a maximum amount of 10% of the Contract Value.

LIQUIDATED DAMAGES FOR DELAY

If the CONTRACTOR fails to complete the work/item (s) of work in all respects and hand over the same to the OWNER within the time stipulated the CONTRACTOR, without prejudice to any other right or remedy of the OWNER on account of such breach, be liable to pay the OWNER liquidated damages at the rate of 1% (one percent) of the total contract price for delay of every week or part thereof.

The total amount of liquidated damages shall be limited to 10% (Ten percent) of the total contract price.

The above provisions shall not apply in cases of delay for which the CONTRACTOR is entitled to extension of completion time

VIRTUAL COMPLETION CERTIFICATE AND DEFECTS LIABILITY PERIOD

When in opinion of the Architect the works are practically completed, he shall forthwith issue a certificate to that effect, that date will be taken as the date of virtual completion.

The Architect shall prepare a schedule of defects, not later than 14 days after the expiry of the defects liability period. The Contractor shall within a reasonable period of time after receipt of schedule of defects shall rectify the same, failing which the Architect will make

suitable deductions from the contract sum.

MAINTENANCE GUARANTEE / DEFECTS LIABILITY PERIOD

Maintenance Guarantee period will be 12 months from the actual date of completion and handing over to the OWNER.

- a) The CONTRACTOR guarantees that within the maintenance guarantee period, the contract work shall not show any signs of defects, cracks, settlements, disfigurations, shrinkage, leakage, dampness or any other defects.
- b) The CONTRACTOR shall maintain and satisfactorily execute, at his own cost, all such works of repair, amendment, re-construction, rectification, replacement and any other work to make good the faulty work as stated in Article (a) during the maintenance guarantee period.
- c) The CONTRACTOR shall, if required by the ENGINEER IN CHARGE, search for the causes of any defects, imperfection or fault under the direction of the ENGINEER IN CHARGE. The cost of such search shall be borne by the CONTRACTOR.
- d) At intervals specified by the ENGINEER IN CHARGE the CONTRACTOR, along with the ENGINEER IN CHARGE, shall inspect the contract work to satisfy himself that no defects have cropped up in the contract work. Should there be any signs of defects, the CONTRACTOR shall take immediate steps to rectify the same, failing which; the ENGINEER IN CHARGE may get the defects rectified at the risk and cost of the CONTRACTOR.
- e) At the end of the maintenance guarantee period, the CONTRACTOR, along with the ENGINEER IN CHARGE, shall carry out final inspection of the contract work to prove that no defects had appeared in the contract work or that all defects which appeared in the contract work have been rectified to the entire satisfaction of the ENGINEER IN CHARGE. If during the final inspection it is found that the defects still remain in the contract work, the period of maintenance guarantee shall be extended at the discretion of the ENGINEER IN CHARGE and the CONTRACTOR shall be liable to make good the defects and be responsible for the maintenance of the work till the defects have been fully rectified.
- f) Upon successful completion of the maintenance guarantee period the OWNER shall issue final acceptance certificate to the CONTRACTOR

PAYMENT WITH HELD

The Architect may withhold or on account of subsequently discovered evidence nullify the whole or part of any certificate to such an extent as may be necessary in his reasonable opinion to protect the Owner from loss, for defective work, non- payment to Subcontractors, or other claims connected to this work.

INJURY TO PERSONS

The Contractor shall indemnify the Owner against any liability, loss, claim or proceedings whatsoever arising under any statutory or common law in respect of personal injury to or the death of any person, whomsoever arising out of or in the course of or caused by carrying out the work.

INSURANCE

Without prejudice to his ability to indemnify the Owner, the Contractor and his Subcontractors shall maintain such insurance as are necessary to cover the liability of the Contractor and the sub-Contractors.

INSURANCE AGAINST FIRE

The Contractor shall in the joint name of the Owner and the Contractor, insure against loss or damage due to fire, earthquakes and riots.

COORDINATION OF WORK

Contractor shall extend complete coordination to other agencies i.e. air-conditioning, firefighting and interiors working on the same site.

LABOUR

Contractor shall not employ child labour under 14 years of age and if female workers are employed he should make provision for safeguarding the small children to keep them clear of the site. All labour shall wear safety helmets and shoes to protect them from injury.

SAFETY

In respect of all labour directly or indirectly employed in the work for the performance of the contractor's part of this contract, the contractor shall at his own expense arrange for the safety provisions as per C.P.W.D. Safety Code framed from time to time and shall at his own expense provide for all facilities in connection therewith. In case the contractor fails to make arrangement and provide necessary facilities as aforesaid, he shall be liable to pay a penalty of Rs.200/- for each default and in addition, the Engineer-in- Charge shall be at liberty to make arrangement and provide facilities as aforesaid and recover the costs incurred in that behalf from the contractor.

ANTIQUITIES

All fossils and other objects of interest or value, which may be found on the site or in excavating the same during progress of the work, shall become a property of the Owner. The Contractor shall carefully take out and preserve all such objects and hand them over to the Owner, through the Architect.

GUARANTEE

Besides guarantees required elsewhere, the Contractor shall guarantee the works in general for one year after completion of defects liability period.

TREES AND SHRUBS

The Contractor shall protect trees and shrubs designated by the Owner/Architect/Engineer In Charge from damage during the course of work

PERFORMANCE GUARANTEE

In addition to the Security Deposit the Contractor shall furnish a performance guarantee in the form of a Bank Guarantee to the tune of Five percent (5%) of the cost of the tender amount, which will be kept valid up to 12 months after completion of the work.

ARBITRATION

In case of dispute, the difference of opinion on any matter pertaining to the works, the decision of the Architect shall be final and binding on the contractors and the owners. If either party is not satisfied with the decision of the Architect, within 28 days a notice to this effect will be sent to the Architect in writing. The matter can then be referred to sole arbitrator or a panel of two arbitrators who should be fellows of Indian Institute of Architect, for a final award. Decision of Principal SGGSCC shall be final and binding in this regard.

LIQUIDATION

If the CONTRACTOR commences to be wound up, not being a member's voluntary winding up for the purpose of amalgamation or reconstruction, or carries on his business under a receiver for the benefits of his creditor the OWNER shall be at liberty to:

- i) Give such receiver the liquidator or other person the option of carrying out the performance under the Agreement, subject to the receiver, liquidator or other person providing a guarantee up to an amount to be agreed upon by the OWNER and such

receiver liquidator or other person for the due and faithful performance of the CONTRACTOR's obligations under this Agreement, or

ii) If the receiver, liquidator or other person fails within 30 (thirty) days to exercise the option to carry out performance of the Agreement then the OWNER may terminate the Agreement and give notice in writing to the CONTRACTOR or to the receiver, liquidator or to any person in whom the Agreement may have become vested.

TERMINATION OF CONTRACT

If the CONTRACTOR violates the Agreement or shall neglect to execute the work with due diligence or expedition or shall refuse or neglect to comply with any reasonable directions, instructions or orders given to him in writing by the Architect/Engineer In-Charge in connection with the work or shall contravene or breach any provisions of the Agreement, the OWNER may give notice in writing to the CONTRACTOR to make good the failure, neglect or contravention complained of or cure that breach within a period of 30 (thirty) days of receiving such notice and in default of the compliance with the said notice, the OWNER without prejudice to his rights as below may rescind or terminate the Agreement stating therein the effective date of termination, holding the CONTRACTOR liable for the damages that the OWNER may sustain in this behalf.

Without prejudice to any of the rights or remedies under this contract, if the contractor dies, the Owner shall have the option of terminating the contract without compensation to the CONTRACTOR.

CIVIL WORKS

SECTION A : DISMANTLING AND DEMOLISHING WORKS

S.NO.	DESCRIPTION OF ITEM	UNIT	QTY	RATE	AMOUNT
A	SECTION - A DISMANTLING AND DEMOLISHING WORKS				
1	Demolishing brick work in cement mortar manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 meters lead as per direction of Engineer-in-charge	CUM	8		
2	Dismantling of existing shutters of the seminar hall windows (Chowkhats shall be retained) and stacking the same as per instructions of the engineer in-charge	Each	28		
3	Dismantling of existing electrical lights, fans, switches etc. and stacking them as per instructions of the engineer in charge	LS.	1		
4	Dismantling of existing stage area flooring and sorting cum stacking of all usable materials as per instruction of the engineer in charge	L.S.	1		
5	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	CUM	30		
	TOTAL AMOUNT OF SECTION - A DISMANTLING AND DEMOLISHING WORKS				

SECTION B : MASONRY WORK

The rates quoted shall include the following:

1. Work in English bond or any other design as directed by the architect/engineer incharge.
2. Work in square round and rectangular pillars, flower troughs, under floor drains, making curved and tapered surfaces steps etc.
3. Forming openings, chases, grooves etc.
4. Embedding/ cutting chases for conduits, boxes other fixture of any descriptions, hold fasts of doors,
5. Fixing Windows glazing etc.,
6. Making all drip courses, projected courses of any description, offsets, setbacks, corbels, architrave's or any other feature of description.
7. Raking out joints for plastering or pointing in plinth super structure or finishing joints flush in foundation as directed
8. Bonding with RCC work
9. Work in narrow widths, small quantities etc. supplying moulds, taking briquettes, getting tested, any fees, costs etc., relating to the same.
10. Machine mixing of mortars
11. Curing of brick work
12. Preparing bricks for testing (efflorescence, water absorption, crushing strength, shapes, sizes etc.) in the field laboratory and or an approved laboratory, and any fees, costs etc. relating to them.

S.No.	DESCRIPTION OF ITEM	UNIT	QTY	RATE	AMOUNT
	SECTION B: MASONRY WORK				
1	Half brick masonry with non-modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in super structure above plinth level up to floor V level in :				
1.a	Cement mortar 1:4 (1 cement :4 coarse sand)	SQM	57		
2	Extra for providing and placing in position 2 Nos. 6mm dia. M.S. bars at every third course of half brick masonry.	SQM	57		
3	Brick work with common burnt clay machine moulded perforated bricks of class designation 12.5 conforming to IS: 2222 in superstructure above plinth level up to floor five level in cement mortar 1:6 (1 cement: 6 coarse sand): With F.P.S.(non-modular) bricks	CUM	12		
	TOTAL AMOUNT OF SECTION-B MASONARY WORK				

SECTION C : FLOORING

The rates quoted below shall include the following

1. Cleaning and final preparation of base, sub-grade or sub floor by trimming undulations etc., including applying neat cement slurry.
2. Laying floors to required slope in any size and shape of panels and strips of any description.
3. Making “V” grooves of any pattern in plaster and dados including rounding off junctions with floors.
4. Cleaning paint splashes, drops or dirt, glasses, joinery, electric fittings, wiring etc., including washing the floors and leaving the premises neat and clean.
5. Edge polishing to stone slabs and tiles shall not be paid separately.
6. Grinding and polishing shall be blade edge granite polish to all marble and granite.
7. Measurement shall be as per drawing.

S.No.	DESCRIPTION OF ITEM	UNIT	QTY	RATE	AMOUNT
	SECTION C: FLOORING & PANELING				
1	Providing and laying Polished vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), including grouting the joints with white cement and matching pigments etc., complete. (Kajaria, Orient, Somani, Asian Make Only). Basic cost of tile Rs.65/- per Sq. Ft.				
1.a	Size of Tile 800x800 mm	SQM	35		
2	Providing and laying Polished Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, dado, riser of steps , over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), including grouting the joint with white cement & matching pigments etc. complete. (Kajaria, Orient, Somani, Asian Make Only). Basic cost of tile before tax Rs. 65/- per Sq. Ft.				
2.a	Size of Tile 800x800 mm	SQM	5		
3	Extra for using "+" shaped 2 mm wide plastic spacers at corners (to be removed before jointing) during fixing of Vitrified tile in floor to achieve a perfectly straight joint line, and jointed with Laticrete or approved equivalent jointing compound of matching shade in place of white cement with matching pigment all complete as per direction of E-I-C	SQM	35		

S.No.	DESCRIPTION OF ITEM	UNIT	QTY	RATE	AMOUNT
	SECTION C: FLOORING & PANELING				
4	Providing & fixing in position Phenol bonded Bamboo wood flooring with planks of sizes 14mm thick, 1800mm length (minimum) and 130 mm wide (minimum), in approved colour, texture and finish, having Performance Appraisal Certificate (PAC) issued by Building Materials & Technology Promotion Council (BMTPC). The flooring shall be fixed with tongue and groove interlocking system, with underlayment of 4mm thick expanded poly ethylene foam sheets having density 40kg/cum, over prepared surface with necessary quarter round planks of size 1900mm x 18mm and door reducer of size 1900mm x 44mm, wherever required. The bamboo wood planks shall have minimum density of 1000 Kg/cum & minimum Hardness 1000 Kgf. with Eco friendly UV coating, all complete as per direction of Engineer in-charge.	SQM	45		
5	Providing and fixing minimum 11mm thick AC VI (six) grade laminated wooden flooring suitable for commercial-heavy use areas like auditorium application of approved make, shade and pattern. The top surface shall have a 0.60 mm thick multi-layer high pressure laminate fixed over moisture resistant high-density fibreboard substrate. The planks shall be of size 1200 mm x 200/125 mm. The flooring shall confirm to EN 438, EN 717-1, EN 13501-1, EN-1815, JIS Z 2801:2000 standards. The planks shall be placed on an underlay of 0.2 mm thick alkali resistant Polyethylene sheet having density 920-935 kg/ m ³ to resist moisture from the sub floor and to secure the floor installation etc all complete. (Skirting profiles, trims etc shall be included & not paid extra) as per direction of E-I-C) (Approved Make: Armstrong, Pergo, Vista, Krono Only) Contractor shall provide performance certificate of AC VI grade flooring from the manufacturer	SQM	210		

S.No.	DESCRIPTION OF ITEM	UNIT	QTY	RATE	AMOUNT
	SECTION C: FLOORING & PANELING				
6	<p>2" thick Slotted Wood Finish Wall Panel system on Masonry: Providing and fixing wall panelling on existing masonry with 50mm x 50mm Aluminium section framework of size 600mmx600mm grids and filled with acoustical insulation of 50 mm thickness 1000 gsm density from Star Insulation or Prime Insulation. The framework and acoustical infill is to be concealed behind the 15mm Slotted finish fire rated wood finish MDF panels from Topakustik, Wood Fit, Armstrong, Sound Slats, RPG or equivalent approved vendors.</p> <p>The perforated wood finish panels must have a minimum perforation area of 12% or higher and is to be supplied with black RP Tissue or equivalent of approved quality. This should be completed as per details and diagrams provided. Rate shall be inclusive of installation on the frame work arrangements. Works will be inclusive of scaffolding and staging at all levels. Rate shall include the preparation of detailed shop drawings as per site conditions, which shall be approved before commencement of works</p>	SQM	150		
7	<p>Acoustical Wall Panels - Gripper system Providing and installing Acoustical treatment to the walls, including 2"x2" Aluminium section framework of size 600mmx600mm and 50 mm thick Acoustical Insulation of 1000 gsm density from Star Insulation or Prime Insulation. 9 mm thick Plywood strips-100 mm width strips with 20 mm air gaps in between, fixed over acoustical insulation. The plywood strips are to be faced with 6 mm thk fire retardant polyester wadding and gripper system from Walltracts, Chisel Interiors Inter Dimension or equivalent system) pressure stapled over Plywood strips and selected FINAL Fabric . Fabric is to be approved by Client and tested by vendor for dimensional stability etc installed in the gripper system, all done in accordance to the recommendation and the specs Rate quoted includes all the materials, labour, scaffolding, lead, lift, finishing, cleaning,</p>	SQM	30		

S.No.	DESCRIPTION OF ITEM	UNIT	QTY	RATE	AMOUNT
	SECTION C: FLOORING & PANELING				
	hardware, etc complete. Contractor shall submit the samples and the Shop drawings to the architect prior to the commencement of the work for approval				
8	Providing and Fixing Toughened glass 10 mm thickness in 304 grade Stainless Steel U channel of Ozone or equivalent make including the cost of all fitting fixing silicon etc. complete upto the satisfaction of the engineer in charge (U channel payable separately)	SQM	10		
9	Providing and fixing U channel for 10mm toughed glass of 304 stainless steel of ozone make including all hardware, fasteners, materials etc. complete	Meter	50		
10	Providing and fixing door chowkhat using a finished section of 6" x 2.5" of Kapoor Sal Wood including all labour , hardware, hold fast material and fixing	Meter	21		
11	Providing and fixing ISI marked flush door shutters conforming to IS: 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands finished with 1mm thick Laminate on both faces of shutter : (Flush door only of Duro / Green/ Century/ Virgo make and laminate only of Merino, Sundek, Century, Duro make) 35 mm thick including ISI marked 3 no.s 4 inch long Heavy Duty Stainless Steel butt hinges with necessary SS screws complete	SQM	8		
12	Extra for providing melamine polish finished C.P. teakwood lipping size 35 mm x 18 mm size on all four edges of flush door shutters (over all area of door shutter to be measured).	SQM	8		
13	Dorset SOP 12" SS (300mm Pull) Handle with Lock (Or equivalent in Godrej, Golden locks,	PAIR	4		

S.No.	DESCRIPTION OF ITEM	UNIT	QTY	RATE	AMOUNT
	SECTION C: FLOORING & PANELING				
	Dorma, Hettich)				
14	Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS: 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm), with double speed adjustment with necessary accessories and screws etc. complete. (Godrej/Hettich/Dorset/Dorma make only)	Each	10		
	TOTAL AMOUNT OF SECTION - C FLOORING & PANELLING				

SECTION D: FINISHING & FALSE CEILING

The rates quoted shall include the following:

1. Cleaning and final preparation of base, sub-grade or sub-floors by trimming undulations etc. including applying neat cement slurry.
2. Raking out, joints, cleaning the surface, application of cement slurry and providing and fixing 300 mm wide 24-gauge chicken mesh tightly secured at the junctions of brickwork and RCC work, electrical conduits, plumbing conduits before applying plaster skirting and dados treatment.
3. Work in patches, narrow widths, small quantities, curved surfaces, projected bands, setbacks, offsets corbels, architrave's etc.
4. Repairing and finishing the junctions of skirting and dados with plaster
5. Finishing the edge of electrical fittings and boxes etc.
6. Use of scaffolding, cradles etc., dust sheets and other coverings for the protections of fixtures, fittings, furniture, floors etc.
7. Junctions of all RCC and brick shall be provided with chicken wire mesh of 150 mm width on either side of the junction before plastering.

S.NO	DESCRIPTION OF ITEM	UNIT	QTY	RATE	AMOUNT
D.	SECTION D: FALSE CEILING & FINISHING				
1	Providing and fixing 2x2 grid false ceiling (tiles & frame) at all heights of size 595X595mm of approved texture, design and pattern. The tiles should have Humidity Resistance (RH) of 99%, Light Reflectance > 85%, Thermal Conductivity k = 0.052 - 0.057 w/m K, Fire Performance as per (BS 476 pt - 6 &7)in true horizontal level suspended on heavy duty interlocking T-Grid of hot dipped all round galvanized iron section of 0.33 mm thick (galvanized @120 gsm) comprising of main T runners of 15x32 mm of length 3000 mm, cross T of size 15x32mm of length 1200 mm and secondary intermediate cross T of size 15x32 mm of length 600 mm to form grid module of size 600x600 mm suspended from ceiling using galvanized mild steel item (galvanised @80gsm) 50 mm long 8mm outer diameter M-6 dash fasteners, 6 mm diameter fully threaded hanger rod upto 1000 mm length and L-shape level adjuster of size 85x25x2 mm, spaced at 1200 mm centre to centre along main 'T'.				
1.a	The system should rest on periphery walls /partitions with the help of GI perimeter wall angle of size24x24X3000 mm made of 0.40 mm thick sheet, to be fixed to the wall with help of plastic rawl plug at 450 mm centre to centre & 40 mm long dry wall S.S. screws. The exposed bottom portion of all T-sections used in false ceiling support system shall be prepainted with polyester baked paint, for all heights. The work shall be carried out as per specifications, drawings and as per directions of the engineer-in-charge				
1.b	With Acoustic Ceiling Tile of 0.9 NRC Armstrong Make PERLA OP or Ecophon Focus or Rockfon 15mm Korral	SQM	210		

S.NO	DESCRIPTION OF ITEM	UNIT	QTY	RATE	AMOUNT
D.	SECTION D: FALSE CEILING & FINISHING				
2	Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction,				
2.a	including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound , jointing tapes , finishing with jointing compound in 3 layers covering upto 150 mm on both sides of				

S.NO	DESCRIPTION OF ITEM	UNIT	QTY	RATE	AMOUNT
D.	SECTION D: FALSE CEILING & FINISHING				
	joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with :				
2.b	12.5 mm thick tapered edge gypsum moisture resistant board of Saint Gobain 12.5mm gypsum or USG Boral Gypsum 12.5mm Gypsum	SQM	62		
3	12 mm cement plaster of mix (Junctions of all RCC and brick shall be provided with chicken wire mesh of 150 mm width on either side of the junction before plastering)				
3.a	1:3:3 (1 cement: 3course sand: 3 fine sand)	SQM	140		
4	Internal painting works: Internal painting works at all heights and levels as per procedure mentioned including 1) Surface preparation (scrapping, sanding, cleaning) 2) One coat of Wall Primer as per manufacturers specification 3) Coat of White cement based putty (JK/BIRLA) 4) One liberal coat of wall primer over wall putty 5) Painting 2 or more coats of Premium acrylic emulsion of interior grade, having VOC content less than 50 grams/ litre in various colors (Asian/ ICI /Shalimar/ Berger/ Nerolac)				

S.NO	DESCRIPTION OF ITEM	UNIT	QTY	RATE	AMOUNT
D.	SECTION D: FALSE CEILING & FINISHING				
4.a	Contractor's scope includes all materials, tools & plants, paint brushes & rollers of approved makes, ropes, lifts, ladders, safety equipment's, scaffolding and all other equipment's as may be required to complete the works successfully. (The rates include all labour, materials and items of work required to complete the work successfully up to the satisfaction of the owner)	SQM	320		
5	Melamine polishing with 2 or more coats of matte finish machine coated melamine over existing door window frames and shutters in the required shade including the following works: Removal of existing polish with sand paper Base preparation and filling Color coating with mechanical sprayer Melamine Ist coat Melamine 2 nd coat Machine buffing Cleaning of door window glass and surrounding surfaces (Face area of Chowkhats and shutters will be measured)	SQM	150		
6	Providing and fixing Black Out roller blinds of Mac/ Vista/ Aerolux make (Eight windows of 8ft x 5ft size)	SQM	32		
7	Providing ,fixing, testing and commissioning of motorised projection screen 120" wide (16:9 ratio) with somfy motor & infrared remote complete	EACH	1		
8	Providing and fixing glazing in door, window, ventilator shutters and partitions etc. with etc. complete as per the architectural drawings and				

S.NO	DESCRIPTION OF ITEM	UNIT	QTY	RATE	AMOUNT
D.	SECTION D: FALSE CEILING & FINISHING				
	the directions of engineer-in-charge.				
8.a	With float glass panes of 5.50 mm thickness	SQM	30		
9	Providing and fixing wooden moulded corner beading of approved shape for fixing window glass or the junction of panelling etc. with iron screws, plugs and priming coat on unexposed surface and melamine polish on exposed surface etc. complete using 2nd class teak wood.				
9.a	50x50 mm (base and height)	METRE	65		
10	Exterior- Providing and fixing “dovetex” or equivalent tiles for external wall cladding to match the size, Texture and colour, of the tiles used in the existing building. Wall surface should be given a coat of 12mm to 15 mm thick cement plaster (1: 5). 1 cem : 5 coarse sand and to fix the tiles with 6 mm thick cem. Mortar 1: 3 (1 cam.: 3 coarse sand) while the base plaster is still fresh (i.e. within 24 hours.)	SQM	25		
	TOTAL AMOUNT OF SECTION -D FALSE CEILING & FINISHING				

SUMMARY OF PART I : CIVIL WORKS		
S.NO.	DESCRIPTION	AMOUNT
1	SECTION A : DISMANTLING AND DEMOLISHING WORKS	Rs.
2	SECTION B : MASONARY WORK	Rs.
3	SECTION C : FLOORING & PANELLING	Rs.
4	SECTION D : FALSE CEILING AND FINISHING	Rs.
	TOTAL AMOUNT OF PART I: CIVIL WORKS	Rs.
	GST	Rs.
	GRAND TOTAL OF CIVIL WORKS	Rs.

Approved Make Of Materials (applicable wherever the make is not listed in the item)		
Civil Works		
Serial No.	Materials	Manufacturer
1)	Commercial Ply And Commercial Board	Duro, Green, Virgo
2)	Teak Ply	Duro, Green, Virgo
3)	Laminate	Greenlam, Decolam, Virgo, Merino
4)	Mirror	Modigaurd, Saint Gobain
5)	Glass	Modi Float, Saint gobain
6)	Flush Door Shutters	Duro, Green, Virgo, Sitapur, Mysore (First Quality) Or Equivalent
7)	Paints	Nerolac, I.C.I, Asian
8)	Mortice Latches And Locks	Godrej, Dorset, Hardwyn
9)	Coarse Sand	As Per Is:383 (Latest Edition) Approved Quarry Or Equivalent
10)	Fine Sand	Do
11)	Stone Aggregate	Do
12)	Aluminum Section	Indal Or Jindal (Heavy Quality) Or Equivalent
13)	Wall and Floor Tiles	Orient, Kajaria, Nitco, Bell, Regency Or Equivalent
14)	Mdf Board	Green Panel Max
15)	Hinges-Ms Oxidised	Heavy Duty
16)	Tower Bolt-Aluminium	Do
17)	Door Stopper-Aluminium	Do
18)	L-Drop – Aluminium	Do
19)	Handle- Aluminium	Do
20)	Pvc Strips/ Hand Rail	Fixo Pan Or Equivalent
21)	Cement	Ultratech, L&T, Ambuja
22)	Steel	Tata, Sail

PART II - ELECTRICAL WORKS

SECTION A: CIRCUIT CUM POINT WIRING

S.NO.	DESCRIPTION OF ITEM	UNIT	QTY	RATE	AMOUNT
A.	SECTION A: CIRCUIT CUM POINT WIRING				
1	Wiring for the following light points with 1.5 sq.mm PVC insulated copper conductor 1100 volts grade stranded flexible FRLS wires of approved make in concealed or surface mounted 25 mm dia 16 gauge MS Conduit including providing and fixing of 6 amps single pole modular switch of approved quality colour make & design in 1.6 mm thick GI box and earthing of fixtures and the outlet box with 1.5 sq.mm PVC insulated copper conductor stranded flexible "FRLS" wire.(including circuit wiring from DB to switch Board)				
1.1	Primary point as above.	No.	6		
1.2	Same as item no. 1) above but Secondary point (Controlling switch and GI box included in item no. 1)	No.	42		
2	Wiring for 250 volts single phase and neutral 16 amps modular switch socket outlet with universal pins with 3 x 4 sq.mm PVC insulated copper conductor 1100 volts grade stranded flexible "FRLS" wire in concealed or surface mounted 25 mm dia 16 gauge MS conduit / existing raceway including providing and fixing of 16 amps 3 pin modular switched sockets of approved make and design in 1.6 mm thick GI box with grid plates and earthing the third pin of each socket outlet with 4 Sq mm PVC insulated copper conductor stranded flexible "FRLS" wire.				

S.NO.	DESCRIPTION OF ITEM	UNIT	QTY	RATE	AMOUNT
A.	SECTION A: CIRCUIT CUM POINT WIRING				
2.1	Primary point for 16 amps switched socket outlet	No.	2		
2.2	Same as item no. 3 above but secondary point looped with primary point	No.	2		
3	Wiring for 250 volts single phase and neutral 6 amps modular switch socket outlet with universal pins with 3x4 sq.mm PVC insulated copper conductor 1100 volts grade stranded flexible "FRLS" wire in concealed or surface mounted 25 mm dia 16 gauge MS conduit / existing raceway including providing and fixing of 6/16 amps 3 pin modular switched sockets of approved make and design in 1.6 mm thick GI box with grid plates and earthing the third pin of each socket outlet with 2.5 Sq mm PVC insulated copper conductor stranded flexible "FRLS" wire.				
3.1	Primary point for 6 amps switched socket outlet	No.	4		
3.2	Same as item no. 4 above but secondary point looped with primary point	No.	2		
4	Wiring for 250 volts single phase and neutral 6 amps modular switched socket outlet with universal pins with 3x2.5 sq.mm PVC insulated copper conductor 1100 volts grade stranded flexible "FRLS" wire in concealed or surface mounted 25 mm dia 16 gauge MS Conduit / existing raceway including providing and fixing of 6 amps 3 pin modular switch socket outlet of approved make and design in 1.6 mm thick GI box with grid plate and earthing of third				

S.NO.	DESCRIPTION OF ITEM	UNIT	QTY	RATE	AMOUNT
A.	SECTION A: CIRCUIT CUM POINT WIRING				
	pin of the socket with 2.5 Sq. mm PVC insulated copper conductor stranded flexible "FRLS" wire (maximum six to eight no. of 6 amps switches socket shall be connected on one circuit)				
4.1	Primary point for 1 No. 6 amps switched socket outlet with universal pins.	No.	2		
4.2	Same as item No. 5 above but secondary point looped with primary point	No.	RO		
5	Wiring for 250 volts single phase and neutral 16 amps polycarbonate industrial 3 pin (IP 65/66) socket outlet with 16 amps double pole MCB in a poly carbonate enclosure of approved size and design with 3x4 sq.mm PVC insulated copper conductor 1100 volts grade stranded flexible "FRLS" wires in concealed or surface mounted 25 mm dia 16 gauge MS Conduit, including providing and fixing of 16 amps socket and DP MCB (IP 65/66) in poly carbonate enclosure and earthing of third pin of the socket with 4 sq.mm PVC insulated copper conductor stranded flexible FRLS wire.	No.	6		
6	Wiring for Exhaust fan point with 1.5 sq. mm. insulated copper conductor 1100 volts grade stranded flexible "FRLS" wires of approved make in concealed or surface mounted 25 mm dia 16 guage MS Conduit including providing and fixing of 6 amps flush mounted switch at the normal switch level in 2 mm thick GI box and 6 amps 3 pin flush mounted socket near exhaust fan and earthing of exhaust fan through the third pin of the socket outlet and GI box with 1.5	No.	2		

S.NO.	DESCRIPTION OF ITEM	UNIT	QTY	RATE	AMOUNT
A.	SECTION A: CIRCUIT CUM POINT WIRING				
	sq. mm. PVC insulated copper conductor flexible "FRLS " wire.				
7	Providing and fixing in position the following 16-gauge MS conduits concealed or exposed as called for including all accessories i.e. bends, junction boxes, with cover plates of approved make and design.				
7.1	20 mm dia MS conduit	RM	25		
7.2	25 mm dia MS conduit	RM	25		
7.3	32 mm dia MS conduit	RM	10		
8	Providing and fixing in position the following 2mm thick PVC rigid conduits concealed or exposed as called for including all accessories i.e. bends, junction boxes, with cover plates of approved make and design.				
8.1	20 mm dia PVC conduit	RM	400		
8.2	25 mm dia PVC conduit	RM	100		
	TOTAL AMOUNT OF SECTION A: CIRCUIT CUM POINT WIRING				

SECTION B : CABLES, MAINS AND SUB MAINS

S.NO.	DESCRIPTION OF ITEM	UNIT	QTY	RATE	AMOUNT
B.	SECTION B: CABLES, MAINS AND SUB MAINS				
1	Supplying of following 1100 volt grade XLPE insulated PVC sheathed aluminium conductor armoured cables as per specification.				
1.1	4 core 25 sq. mm	RM	30		
2	Supplying of following 1100 volt grade XLPE insulated PVC sheathed copper conductor armoured cable as per specification.				
2.1	4 core 10 sq.mm	RM	5		
2.20	4 core 6 sq. mm	RM	2		
2.3	3 core 6 sq. mm.	RM	60		
3	Cable end termination of the following PVC insulated sheathed XLPE /copper conductor armored cables of 1100 volt grade including supplying and fixing of bimettalic copper crimping lugs, single compression glands with earthing facility and cable sockets etc. complete as required.				
3.1	4 core 10 sq. mm.	No.	4		
3.2	4 core 6 sq. mm.	No.	4		
3.3	3 core 6 sq. mm.	No.	12		
	TOTAL AMOUNT OF SECTION B : CABLES, MAINS AND SUB MAINS				

SECTION C : MAIN LT PANEL AND SUB DISTRIBUTION BOARDS

S.NO	DESCRIPTION OF ITEM	UNIT	QTY	RATE	AMOUNT
C	SECTION C : MAIN LT PANEL AND SUB DISTRIBUTION BOARDS				
1	DB TYP Floor				
	Incoming				
	1 No. 63 Amps 4 pole MCCB with following accessories:				
	VAF digital electronic meter with inbuilt selector switch and 40/5 Amps suitable VA, CL 1 CTs . - 1 Set				
	Phase indicating light shall be protected by 2 Amps SP MCB's. - 3 Set				
	Bus Bars				
	100 Amps 4P Aluminium bus bars with heat coloured shrinkable insulation sleeve. - 1 Set				
	Outgoing				
	10/16/32 Amps DP MCB -15 No.				
	Notes:-				
	<i>All MCCB's shall be of 25 KA (Ics) breaking capacity.</i>				
	<i>All MCB's shall be of 10 KA breaking capacity.</i>				
	<i>All MCCB's shall be provided with extended type roten handle.</i>				
	<i>DB-2.1 described as above</i>	No.	1		
	TOTAL AMOUNT OF SECTION C : MAIN LT PANEL AND SUB DISTRIBUTION BOARDS				

S.NO.	DESCRIPTION OF ITEM	UNIT	QTY	RATE	AMOUNT
D	SECTION D : EARTHING INSTALLATION				
1	Supplying, fixing, testing and commissioning of following bare Copper/GI tapes including all necessary fixing accessories and effecting connections.				
1.1	25 mm x 6 m thick GI tape	RM	RO		
1.2	25 x 3 mm thick GI tape.	RM	30		
1.3	8 SWG GI wire	RM	25		
2	Pipe Earthing as per IS:3043 with perforated 3.0 Mtr. Long, 40 mm dia. ' B ' class G.I. Pipe including all accessories like nut, bolts, reducer, nipple, wire meshed funnel, and C.C. finished chamber covered with hinged type with locking arrangement C.I. Cover, C.I. Frame of size 300mm x 300 mm and embodying the pipe complete with alternate layers salt and coke/ charcoal, testing of earth resistance as required.	No.	2		
3	Supply, laying, connecting, testing and commissioning of Single core 120 sq.mm Green colour cable (UPS neutral earthing).	RM	15		
	TOTAL AMOUNT OF SRCTION D : EARTHING INSTALLATION				

SECTION E :LIGHTING FIXTURES

S.NO.	DESCRIPTION OF ITEM	UNIT	QTY	RATE	AMOUNT
E	SECTION E : LIGHTING FIXTURES				
1	Supply, installation, testing and commissioning of the following lighting fixtures and fans with all fixing accessories etc. as required.				
1.1	Propeller fan upto 450 mm sweep of approved make complete with louvers all accessories as required.	No.	2		
1.2	Recessed ceiling LED light fitting, 1x18 w, 230V recessed mounting etc. complete with all accessories pre-wired and including connecting up with twin core twisted flexible copper conductor cable with suitable size. Wipro /Philips/ Bajaj	No	48		
1.3	Supply and fix wall mounting Fluorescent tube light fitting, 1x 28w, 230V Energy efficient T5, Box type, epoxy powder coated CRCA sheet housing with reflector cover channel, with electronic ballasts, bipin holders, connector block, etc. complete with all accessories internally pre-wired and including connecting up with twin core twisted flexible copper conductor cable with suitable size. (make bajaj- cat no. 160483) or equivalent model in Philips/ CG/ Wipro	No	5		
	TOTAL AMOUNT OF SECTION E: LIGHTING FIXTURES				

SECTION F : CONDUITING WIRING AND CABLING FOR TELEPHONE/DATA SYSTEM

S.NO.	DESCRIPTION OF ITEM	UNIT	QTY	RATE	AMOUNT
F	SECTION F : CONDUITING WIRING AND CABLING FOR TELEPHONE/DATA SYSTEM				
1	Supply, installation, testing and commissioning of flush mounted outlets wired to T 568 A or B with British style faceplate. The plastic shall be high impact, flame-retardant, UL rate thermoplastic. Dust cover/ blank shall be provided to protect unused faceplate openings. Termination caps and plastic over should be provided to protect jack wiring. Quoted price shall be inclusive of 1.6 mm thick GI Boxes.				
1.1	Single outlet faceplate with RJ-45 jack	No.	5		
2	Supply, installation, testing and commissioning of 4 pair Category 6 LAN cable consisting of 24 AWG solid copper conductors and as per the specification.				
2.1	The cable should have flexible Jacket & ripcord for easy stripability	RM	25		
3	Supply and fixing of 16 gauge mm thick MS Conduits in following sizes including cost of junction boxes, bends, elbows, sockets, tees etc. laying in slab, cutting chases and making good or surface mounted including all fixing hardware.				
3.1	32 mm dia	RM	RO		
3.2	25 mm dia	RM	15		
	TOTAL AMOUNT OF SECTION F: CONDUITING WIRING AND CABLING FOR TELEPHONE / DATA SYSTEM				

SUMMARY OF PART II : ELECTRICAL WORKS		
S.NO.	DESCRIPTION	AMOUNT
1	SECTION A : CIRCUIT CUM POINT WIRING	Rs.
2	SECTION B : CABLES, MAINS AND SUB MAINS	Rs.
3	SECTION C : MAIN LT PANEL AND SUB DISTRIBUTION BOARDS	Rs.
4	SECTION D : EARTHING INSTALLATION	Rs.
5	SECTION E : LIGHTING FIXTURES	Rs.
6	SECTION F : CONDUITING WIRING AND CABLING FOR TELEPHONE/DATA SYSTEM	Rs.
	TOTAL AMOUNT OF PART II: ELECTRICAL WORKS	Rs.
	GST	Rs.
	GRAND TOTAL OF ELECTRICAL WORKS	Rs.
	GRAND TOTAL OF CIVIL WORKS	Rs.
	TOTAL TENDER VALUE	Rs.

LIST OF APPROVED MAKES FOR ELECTRICAL WORKS		
S.No.	Details of Materials / Equipment	Manufacturer's Name
1	LT Panel , Main Distribution Panel, Sub- Main Distribution Panel and Motor Control Centre	Tricolite industries Ltd.
		Adlec Control System
		SPC Electro Tech Pvt. Ltd.
		Ambit Switchgear
		Milestone
2	Sandwiched Construction Bus ducts	Control & Switchgear
		Henikwon (L&T)
		GE
		Schneider Electric
3	Final Distribution Board	Legrand
		Hager
		ABB
		Siemens
		Schneider Electric (MG)
4	Air Circuit Breaker (3/4 Pole)	Schneider Electric (MVS)
		Larsen & Toubro (C-Power)
		ABB(E-Max)
		Siemens
5	Moulded Case Circuit Breaker (MCCB)	Larsen & Toubro
		ABB
		Schneider Electric (CVS)
		Siemens
6	Motor Protection Circuit Breaker(MPCB)	Hager
		ABB
		Schneider Electric
		Siemens
7	Miniature Circuit Breakers (MCB)	Hager
		ABB
		Schneider Electric
		Siemens
8	Residual Current Circuit Breaker (RCCB)	Hager
		ABB
		Schneider Electric
		Siemens
9	Power/Aux. Contactor / Capacitor	Schneider Electric (MG)
	Duty Contactor	Hager (L&T)
		ABB
		Siemens

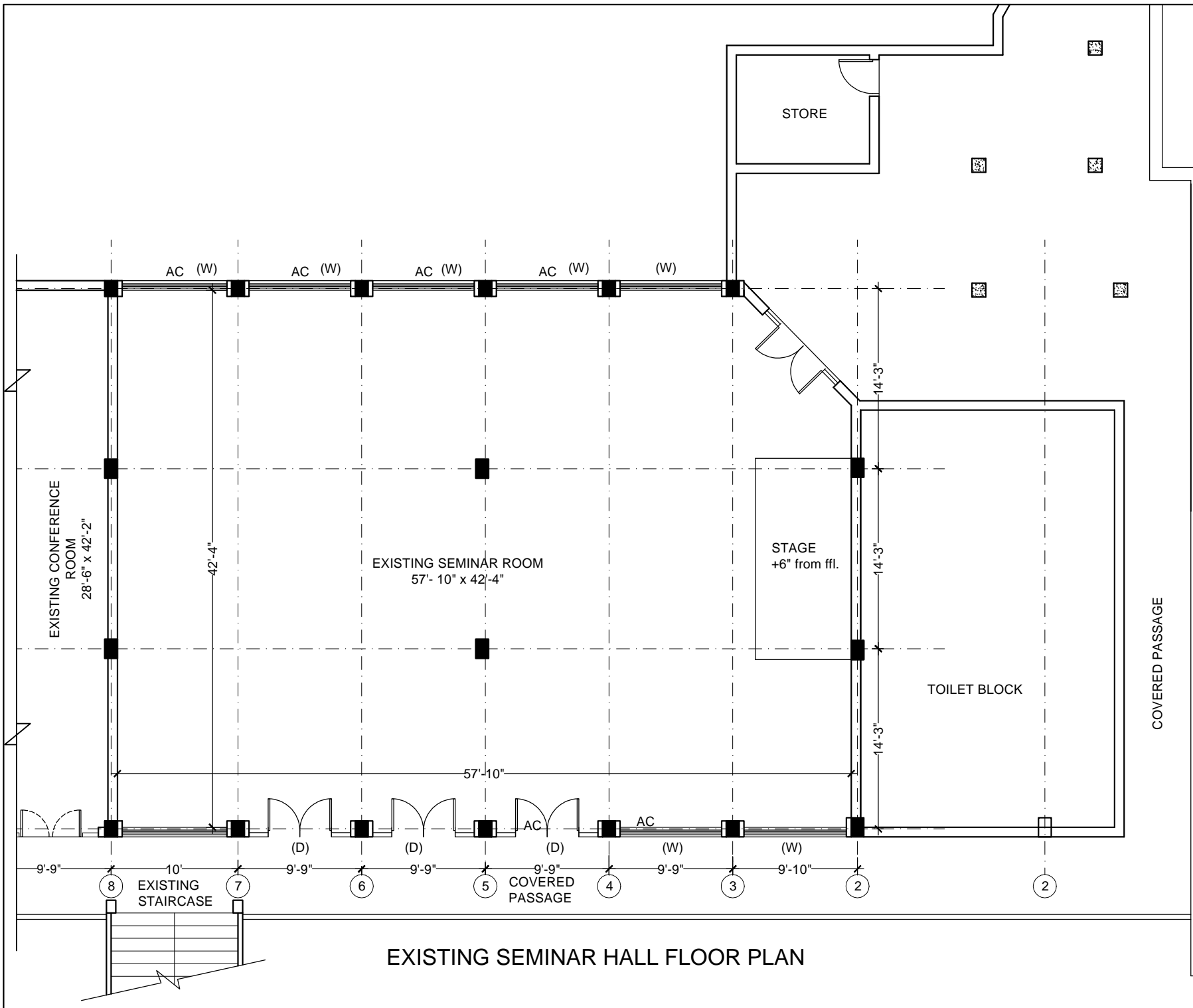
LIST OF APPROVED MAKES FOR ELECTRICAL WORKS			
S.No.	Details of Materials / Equipment		Manufacturer's Name
10	Change Over Switch		Larsen & Toubro
			C & S
			HPL – Socomec
11	Control Transformer/Potential Transformers		Automatic Electric
			Matrix
			Pragati
			Precise
12	Current Transformer (Epoxy Cast Resin)		Automatic Electric
			Matrix
			Pragati
			Precise
13	Protection Relay		
	a. Numeric Type		ABB
			Areva
			Larsen&Toubro
			Siemens
	b. Electromagnetic Type		ABB
			Areva
			Larsen&Toubro
14	Indicating Lamps LED type and Push Button		Vaishno Electricals
			Larsen & Toubro (ESBEE)
			Schneider Electric Siemens
15	Overload relays with built in Single Phase preventer		ABB
			Larsen & Toubro
			Schneider Electric
			Siemens
16	a. Electronic Digital Meters (A/V/PF/Hz/KW/KWH) with LED Display		Conzerv
			Schneider Electric
			Secure
	b. ISI Marked Dual Energy Meter with centralized metering & billing system		Secure
			Radius
17	Static Power Meter & Logger (SPML)		Conzerv
	With RS 485 port		Schneider Electric
			Secure
18	Power Capacitor		Matrix
			Ducati
			EPCOS
			Meher

LIST OF APPROVED MAKES FOR ELECTRICAL WORKS		
S.No.	Details of Materials / Equipment	Manufacturer's Name
19	Autoamtic Power Factor Correction Relay	Areva
	(Numeric Type)	BELUK (Germany)
		Siemens
20	PVC insulated XLPE aluminium/copper conductor	Cable corporation of India
	armoured MV Cables upto 1100 V grade	Skytone
		Ravin Cable
		Polycab
		KEI
		Dimond
21	LT Jointing Kit / Termination	Birla-3M
		Raychem
		REPL
		Safe Kit
22	Cable Glands Double Compression with earthing links	Baliga Lighting
		Comet
		Cosmos
23	Bimettalic Cable Lug	Comet
		Dowell's (Biller India)
		Hax Brass (Copper Alloy India)
24	PVC insulated copper conductor stranded flexible wires	Finolex
		R RKabel
		Skytone
		KEI
		Polycab
		BatraHenlay
25	Mettalic / GI Conduit (ISI approved)	AKG
		BEC
		NIC
26	Lead Coated Flexible GI Conduit	PLICA India Pvt. Ltd.
		Flexicon
27	PVC Conduit &Accessories (ISI approved)	AKG
		BEC
		Precision
		Polypack
		Ravindra
28	Industrial Socket	
	a. Splash Proof	Clipsal

LIST OF APPROVED MAKES FOR ELECTRICAL WORKS		
S.No.	Details of Materials / Equipment	Manufacturer's Name
		Gewiss
		Legrand
		Neptune Balls
		Schneider Electric
	b. Metal Clad	BCH
		MDS
29	Switch & Socket	Clipsal (Opal Series)
		Crabtree
		M K India (Wraparound)
		Idoasian-simon
		Legrand (Mosaic)
		Wipro (NorthWest)
		Havells –crownos
		ABB – Lumina
		Anchor Roma
		Siemens
		L&T
30	Ceiling Fan	Crompton Greaves
		Havells
		Orient
		Usha
31	Lighting Fixture	
	a. Incandescent / Halogen / PL / Metal Halide) / Fluorescent	Philips
		Wipro
		GE
	b. External Lighting Fixture	Bajaj Electricals Ltd.
		Keslec
		LIGMAN
		Philips
		Wipro
	b. Aviation Obstruction Light(LED Type)	Actos
		Bajaj
		Binay
32	Electronic Ballast for Fluorescent (To be selected as per fixtures' manufacturer)	Osram
		Opal
		Philips
		Thorn
		Wipro (APF)
33	Selector Switch, Toggle switch	Kaycee

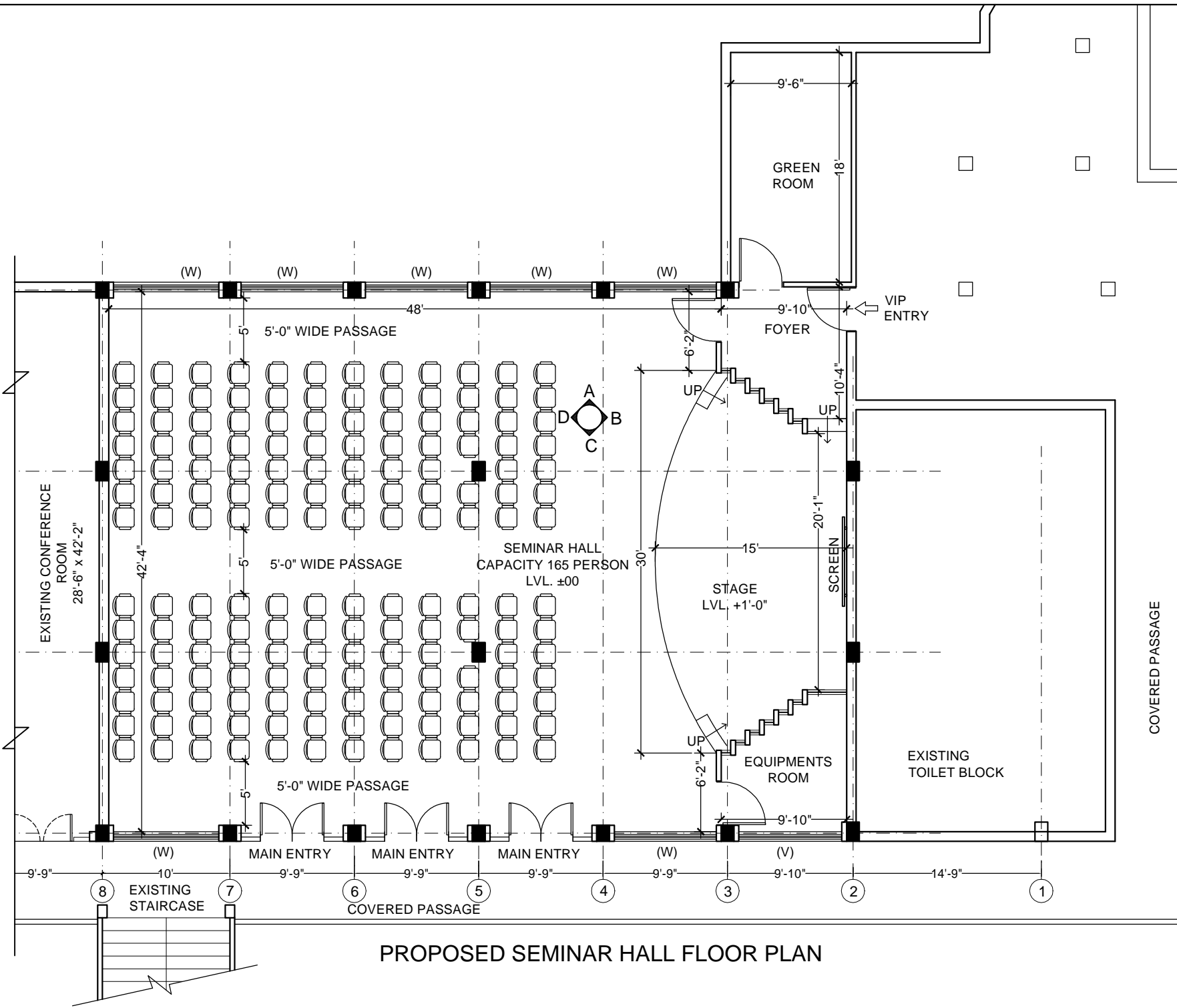
LIST OF APPROVED MAKES FOR ELECTRICAL WORKS		
S.No.	Details of Materials / Equipment	Manufacturer's Name
		Salzer (Larsen & Toubro)
34	Cable Trays (Factory Fabricated) / Raceways	Profab Engineer
		Ricco Steel
		Needo
		MaheshwariElectrtricals
35	Sealed Maintenance Free Batteries	Amar Raja
		Exide
		Global (Rocket)
		Hitachi
		Shinkobe
36	Battery Charger	Caldyne
		ChhabiElectricals
		Joshi Electricals
		Max Power
		Volstat
37	Invertor	Autopro (Professional Lighting)
		Luminous
		Megatech
		Microtek
38	Lightning Protection System	Erico
	(Early Streamer Emission Type)	LPI
39	Timer	ABB
		Larsen & Toubro
		Legrand
		Schneider Electric
		Siemens
40	50 W Halogen Light Transformer	Gemini Global
	(Encapsulated Transformer)	Opal
		Philips
		Reiz
41	Tap off / splitters complete with gasketed G.I. boxes	Catvision
		CE
		DX
		Powerage
		Vision Hire
B.	<u>TELEPHONE / DATA</u>	
1	Tag Block	Krone
		TVSE
2	Telephone armoured / unarmoured cable / wire	Delton

LIST OF APPROVED MAKES FOR ELECTRICAL WORKS		
S.No.	Details of Materials / Equipment	Manufacturer's Name
		Finolex
		Skytone
		Fusion Polymer
		Polycab
3	Coaxial Cable	Beldon
		Comm-Scope (US Imported)
		Fusion Polymer




EXISTING SEMINAR HALL FLOOR PLAN

DATE :	30/11/2017	SHEET NO.
SCALE :	NTS	1
DRAWN BY :	SANJAY	
Copy Right :	RSA	
SHEET TITLE		
EXISTING SEMINAR HALL FLOOR PLAN		
PROJECT:		
RENOVATION OF SEMINAR HALL AT SRI GURU GOBIND SINGH COLLEGE OF COMMERCE, PITAMPURA NEW DELHI		
ARCHITECT		
RANJIT SINGH & ASSOCIATES 1206 Surya Kiran Building, 19 K.G.Marg, New Delhi 110001 Ph.23312688 Fax: 43560879 Email: rsa1206@msn.com		
		
Architects, Engineers & Interior Designers Govt. approved Valuers and House Tax Consultants		



PROPOSED SEMINAR HALL FLOOR PLAN

DATE :	30/11/2017	SHEET NO.
SCALE :	NTS	2
DRAWN BY :	SANJAY	
Copy Right :	RSA	
SHEET TITLE		
PROPOSED SEMINAR HALL		
PROJECT:		
RENOVATION OF SEMINAR HALL AT SRI GURU GOBIND SINGH COLLEGE OF COMMERCE, PITAMPURA NEW DELHI		
ARCHITECT		
RANJIT SINGH & ASSOCIATES 1206 Surya Kiran Building, 19 K.G.Marg, New Delhi 110001 Ph.23512688 Fax: 43560879 Email: rsa1206@msn.com		
		
Architects, Engineers & Interior Designers Govt. approved Valuers and House Tax Consultants		