



केन्द्रीय माध्यमिक शिक्षा बोर्ड
CENTRAL BOARD OF SECONDARY EDUCATION

F-261(V)/Maint./H.Q/2018/
23.03.2018

Date:

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Sub: - Limited tender for Misc. Civil and Electrical works at Shiksha Kendra, CBSE, HQ building, Preet Vihar, Delhi-110092.

Sir,

The CBSE intends to invite short time limited tender for Misc. Civil and Electrical works at Shiksha Kendra, CBSE, HQ building, Preet Vihar, Delhi-110092 through specialized agencies registered with govt. organization of Central/State Govt. having minimum 5 years of relevant experience in civil works and satisfactorily executed minimum One similar completed work costing not less than the amount equal to 80% of the estimated cost or two similar completed works costing not less than the amount equal to 60% of the estimate cost or three similar completed works costing not less than the amount equal to 40% of the estimated cost on the prescribed format annexed herewith. The agencies willing to submit tender are advised to visit the building so that exact quantum of work is assessed. The tender complete in all respect including experience certificates, tender fees Rs. 500/- and EMD of Rs. 60,000/- payable in favour of the Secretary, CBSE, Delhi must be submitted latest by 03.04.2018 upto 2:00 p.m. and dropped in the tender-box placed at Ground Floor near Reception Counter, CBSE Shiksha Kendra building, 2 Community Centre, Preet Vihar, Delhi-110092. The tenders shall be opened on same date at 3.00 P.M. in the presence of the tenders who may wish to be present.

Incomplete and conditional tender shall be summarily rejected. The CBSE reserves the right to reject any or all the quotations without assigning any reason thereof.

Yours faithfully

(RAHUL TYAGI)
ASSISTANT ENGINEER (CIVIL)

NOTICE INVITING TENDER

Sealed Short time Limited tenders are invited from reputed contractors registered with govt. organization of Central/State Govt. having minimum 3 years of relevant experience in civil and electrical works and satisfactorily executed minimum One similar completed work costing not less than the amount equal to 80% of the estimated cost or two similar completed works costing not less than the amount equal to 60% of the estimate cost or three similar completed works costing not less than the amount equal to 40% of the estimated cost.

I	Name of Work:	Limited tender for Misl. Civil and Electrical work at Shiksha Kendra, CBSE, HQ building, Preet Vihar, Delhi-110092.
ii	Estimated Cost	Rs. 19,00,101/-
iii	Cost of Tender	Rs. 500/- (Non refundable and to be submitted along with application of issue of tender)
iv	EMD	Rs.60,000/- payable through DD/BD in f/o The Secretary CBSE, Delhi.
v	Last date for submission of tenders	03.04.2018 at 2:00p.m.
VI	Opening of Tender	03.04.2018 at 3:00 p.m.

Tender duly completed should be dropped in the tender box placed at Reception Counter, CBSE, H.Q “Shiksha Kendra” 2, Community Centre, Preet Vihar, Delhi-110092. Tender may be download from the CBSE website www.cbse.nic.in .

**Rahul Tyagi
Assistant Engineer (Civil)**

CENTRAL BOARD OF SECONDARY EDUCATION,

2,Community Centre, Preet Vihar,Delhi-110092

TECHNICAL PARAMETER

Last Date for submission: 03/04/2018

Up to 2.00. P.M.

Name of work: Limited tender for Misl. Civil and Electrical works at Shiksha Kendra, CBSE, HQ building, Preet Vihar, Delhi-110092.

General:

1. Name of the company.....
2. Name of the authorized person submitting the Bid “Shri/Smt.....
3. Designation of the authorized person submitting the Bid.....
4. Name, Designation, address and Mobile Number of alternate person.....
.....
5. Address of the company.....
6. Tel no. with STD code (O)... ..(Fax).....(R).....
7. Mobile No. of the person submitting the Bid.....
8. E-mail of the person submitting the Bid.....
9. Organization's email ID.....
10. Website Address (if any)
11. Registration & incorporation particulars of the firm:
 - i) Private Limited
 - ii) Public Limited
 - iii) Any other - Please specify.....
12. Name of Director/owner or partner (s).....
13. Email ID of Director (s).....
14. Mobile Number of Director (s).....
15. Bidder’s bank, its address and current account number
16. Permanent Income Tax number,.....
(Please attach copies of income tax return for last three years)
17. GST Number.....
(Please attach copies of GST Registration Number)

18. Particulars of EMD of Rs.60,000/-

- i) Demand Draft / Bank Guarantee No/NEFT/ Cash receipt no.....
- ii) Date.....
- iii) Name of Bank.....
- iv) Address of Bank.....
- v) Validity of BG/DD.....

22. Particulars of Tender Fee of Rs. 500/-

- i) Demand Draft No/ NEFT/ Cash receipt no.
- ii) Date.
- iii) Name of Bank.....
- iv) Address of Bank.
- v) Validity of DD.....

23. Annual turnover last three years:-

- 23.0 Eligibility prerequisite:-
- 23.1 Experience :-
- Minimum 03 years in relevant field of
- a Minimum 01 work of 80% value
- or
- b Minimum 02 work of 60% value
- or
- c Minimum 01 work of 40% value

SL. Nos	Year	Name of the organization	Cost of the work (executed)	Contract person with Tel. No.	Period from	Copy of Work Order
01						Annexure-A
02						Annexure-B
03						Annexure-C

TECHNICAL QUALIFICATION

- a. The tenderer should be registered with CPWD/PWD. The tenderer is required to furnish eligible photocopy of the concerned registrations alongwith its technical offer clearly indicating the contractor’s code no. etc. in case of non-submission of the copy of the requisite registrations, the offer shall be treated as being from an unqualified contractor and summarily rejected.
- b. The tenderer shall furnish copy of registration under GST.
- c. The office of the tenderer should be located in Delhi or NCR.

UNDERTAKING

- 1. I/We the undersigned certify that I have gone through the terms and conditions mentioned in the bidding document and undertake to comply with them.
- 2. The rates quoted by me/undersigned are valid and binding upon me for the entire period of contract and it is certified that the rates quoted are the lowest rates as quoted in any other institution in India.
- 3. I/We give the rights to the competent authority of the CBSE to forfeit the Earnest Money/Security money deposit by me/us in case of breach of conditions of Contract.
- 4. I /We hereby undertake to provide the mechanized housekeeping services as per the directions given in the tender document/contract agreement.

Place:

Date:

Signature of Bidder/Authorized signatory

Name of the Bidder

Seal of the Bidder

CERTIFICATE OF NEAR RELATIVES

CERTIFICATE

Certificate on Non-Participation of near Relatives in the tender

I _____, R/O_____ hereby certify that none of my relative(s) as defined in Section 12 of tender document is/are employed in CBSE ,H.Q building, Preet Vihar, DELHI as per details given in tender document. In case at any stage, it is found that the information given by me is false/ incorrect, CBSE office shall have the absolute right to take any action including termination of the Contract as deemed fit/without any prior intimation to me.

Signed _____

For and on behalf of the Bidder

Name (caps) _____

Position _____

Date _____

Terms & Conditions

1. The work shall be executed as per the approved specifications and CPWD norms.
2. The work is to be completed within 20 days from 7th day of award of work.
3. All the materials shall be got approved from the Engineer-In-charge before installation.
4. No T & P shall be provided by the Board.
5. Scaffolding wherever required shall be arranged by the Contractor.
6. The work shall be executed under the strict supervision of the Engineer In-charge.
7. The measurements shall be recorded jointly with contractor and CBSE engineer.
8. Potable water shall only be used; in no case ground water shall be used.
9. In case of delay, a penalty @ 1% per week shall be levied subject to a max of 5% of the contract value.
10. In case of poor workmanship, the Board shall have the right to rescind the contract and get the work executed through any other agency at the risk & cost of the defaulting contractor.
11. In case the work is kept suspended without any valid reason, the Board shall be free to get the remaining work executed through any other agency.
12. The contractor shall be required to provide adequate safety for its workers and the Board shall not be accountable to any kind of injury/ accident at site.
13. 5% amount shall be retained as security for a period of 12 months as defect liability. In case no defect is observed the same shall be released after the defect liability period.
14. The contractor will use approved brand of material as given in the tender.
15. The contractor will get the water proofing work from specialized agency in the field and will get the name of the agency approved from engineer-in-charge. 5 years guarantee will be given for the water proofing works.
16. The contractor shall take all safety precautions for his workers and shall be sole responsible for any mishap.
17. A tenderer should quote the rate (s) of tender in figures as well as in words. The total amount shall be written both in figure and in words.
18. All rates shall be quoted on the tender form and shall include all material, labour, transportation, all taxes, duties, testing, commissioning, supervision, tools, plants, wastage, sundries, scaffoldings as required mobilization demobilization, transportation etc. and nothing extra shall be payable on this account.
19. GST or any other tax on materials in respect of this contract shall be payable by the contractor and the will not entertain any claim whatsoever in this respect.
20. Tender cost & EMD. Tenders without the earnest money and cost of tender if any will be summarily rejected.
21. Tender document should be put into a separate sealed envelope & superscribe as **Tender documents for the Civil and Electrical work at Shiksha Kendra building. Due on 03/04/2018 at 02:00 P.M. No running payment allowed in a work . payment shall be released after satisfactorily execution of work.**
22. The Board will return the earnest money, where applicable to every unsuccessful tenderer on production by the tenderer of a certificate of the Engineer that all tender documents have been returned.
23. This notice of tender shall form part of the contract documents.
24. The validity of the tender (s) shall be up to **60** (ninety) days from the date of opening of Tender(s).
25. The use of whitener/eraser in this tender document is prohibited. While filling the tender papers, if any correction becomes necessary, the same should be done by SCORING OFF originally written rates/figures etc. and then rewriting should be done under initials of person filling the tender.
26. Conditional Tender - Conditional tenders are liable to be rejected.

27. **Canvassing** - Canvassing or support in any form for the acceptance of any tender is strictly prohibited. Any tenderer doing so will render him liable to penalties which may include removal of his/her name.
28. **SUBLETTING** - The contractor shall not, without the prior approval of the competent authority in writing sublet or assign to any other party or parties, the whole or any portion of the work under the contract. Where such approval is granted, the contractor shall not be relieved of any obligation or duty or responsibility which he undertakes under the contract.
29. **REMOVAL OF UNDESIRABLE PERSON(S)** - The contractor shall, on receipt of a requisition from the Engineer-in-charge, at once remove any person(s) employed by him on the work who, in the opinion of the Engineer-in-charge is unsuitable or undesirable at the site of the work.
30. **RIGHT TO INCREASE OR DECREASE WORK** - The competent authority reserves the right to increase or decrease the works depending on the situation emanating at a particular time. The competent authority also reserves the right to increase or decrease any portion of the work during the currency of the contract and the contractor shall be bound to comply with the order of the competent authority without any claim for compensation.
31. **FAIR WAGES** - The contractor shall pay not less than fair wages to labourers engaged by him on the works.
32. The cement, waterproofing material shall not be received in open packs but in sealed packs only. These packs shall be shown to the Engineer in charge before opening them.
33. The tools and machinery shall be possessed or arranged by the contractor in good working condition. No extra payment shall be made for use of the tools and machinery. No machinery will be supplied by CBSE.
34. **Cleaning:** ensure that the floor area in the corridors are kept neat and clean while working and all dismantled material is removed immediately and shifted to outside the CBSE building
35. Protection of work/workers: The safety of the work in all respect is contractor's responsibility till the site is handed over back to CBSE after completion of project.
36. Measurement: The quantities given in the tender are approximate but however the payment shall be made on the basis of actual measurement taken on site.
37. The Contractor is required to approach Board for execution of agreement for the said work as per the prescribed Performa to be provided by the Board on a non-judicial stamp paper of Rs.100/- within 10 days from the issue of the letter of award.
38. **ACCEPTANCE / REJECTION OF TENDER**
 - i) CBSE does not bind itself to accept the lowest tender.
 - ii) CBSE also reserves the right to accept or reject any tender in part or full without assigning any reason whatsoever.

40.FIRM RATES

The rates quoted by bidder shall remain firm till completion of all works even during the extended period, if any, on any account what so ever. It is provided that the contractor shall not increase any of the rates, quoted in the tender till the completion of work.

41.Inspection of Site:

The Contractor shall inspect and examine the Site and its surrounding and shall satisfy himself before submitting his tender as to the nature of the Site, the quantities and nature of works and material necessary for the completion of the Works and the means of access to the Site, the accommodation he may require and in general shall himself obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect this tender.

42.Sufficiency of Tender:

The Contractor shall be deemed to have satisfied himself before tendering as to the Correctness and sufficiency of his tender for the works and of the rates and prices quoted in the Schedule of Quantities, which rates and prices shall except as otherwise provided, cover all his obligations under the contract

and all matters and things necessary for the proper completion and maintenance of the Works.

43. Any error in description, quantity or rate in Schedule of Quantities or any omission there from shall not vitiate the Contract or release the Contractor from the execution of the whole or any part of the Works comprised therein according to drawings and specifications or from any of his obligations under the Contract.

In the event of an error occurring in the amount column of Schedule of Quantities as a result of wrong extension of the unit rate and quantity the unit rate shall be regarded as firm and extension shall be amended on the basis of the rate.

All errors in totaling in the amount column and in carrying forward totals shall be corrected.

44. Performance Guarantee:

The contractor will deposit 05% (Five) of the awarded cost towards performance guarantee within 10 days of issue of Work Order, failing which the work will be cancelled.

45. Security Deposit:

Total security deposit shall be 5 % of the accepted tender cost and shall be deposited/deducted by/from the contractor as following: -

- a) **5% Security Deposit will be deducted from Bill and the EMD** deposited will be adjusted in the security deposit.
- b) Refund *of Security deposit*: Security deposit refundable to the Contractor worked out on the basis of the value of work completed shall be refunded to the Contractor on the Engineer-In-Charge of the CBSE certifying in writing that the work has been completed satisfactorily after defect liability period of 12 months.
- c) No interest shall be payable to the contractor on the Security Deposit furnished/ recovered from the contractor, by the CBSE.

46. Deviations/Variations Extent and Pricing

The Engineer- in-charge shall have power (i) to make alteration, in omissions from, additions to, or substitutions for the original specifications, drawings, designs and instructions that may appear to him to be necessary or advisable during the progress of the work, and (ii) to omit a part of the works in case of non-availability of a portion of the site or for any other reasons and the contractor shall be bound to carry out the works in accordance with any instructions given to him in writing signed by the Engineer- in Charge and such alterations, omissions, additions or substitutions shall form part of the contract as if originally provided therein and any altered, additional or substituted work which the contractor may be directed to do in the manner specified above as part of the works, shall be carried out by the contractor on the same conditions in all respects including price on which he agreed to do the main work except as hereafter provided.

46.1 The time for completion of the work shall, in the event of any deviations resulting in additional cost over the tendered value sum being ordered, be extended if requested by the contractor, as follows:

- i) In the proportion which the additional cost of the altered, additional or substituted work, bears to the original tendered value plus.
- ii) 25% of the time calculated in (i) above or such further additional time as may be considered reasonable by the Engineer- in-Charge.

47. Deviation, Extra Items and Pricing Rates for Extra/ Additional Items

- i) If the rate for additional, altered or substituted item of work is specified in the Schedule of Quantities, the Contractor shall carry out the additional, altered or substituted item at the quoted rate.
- ii) If the rate for any altered, additional or substituted item of work is not specified in the schedule of Quantities, the rate for that item shall be derived from the market rates.

iii) If the rate for any altered, additional or substituted item of work cannot be determined in the manner specified in sub-paras (i), and (ii) above, the contractor shall, within 7 days of the date of receipt of the order to carry out the said work, inform the Engineer- in-Charge under advice to the Accepting Authority of the rate which he proposes to claim for such item of work, supported by analysis of the rate claimed, and the Engineer- in-Charge shall, within fifteen days thereafter, after giving due consideration to the rate claimed by the Contractor determine the rate on the basis of market rate(s). In the event of the contractor failing to inform the Engineer- in-Charge within the stipulated period of time, the rate which he proposes to claim, the rate for such item shall be determined by the Engineer-in-Charge on the basis of market rate(s) and shall be final.

48. Time and Extension for Delay:

48.1 The time allowed for execution of the work as specified in the Appendix or the extended time in accordance with these conditions shall be the essence of the Contract. The execution of the work shall commence from the 7th day after the date on which the Board issues written orders to commence the work or from the date of handing over of the site, whichever is earlier.

48.2 As soon as possible after the Contract is concluded the Engineer-in-Charge and the Contractor shall agree upon a Time and Progress Chart. The Chart shall be prepared in direct relation to the time stated in the Contract documents for completion of items of the work.

48.3 If the work be delayed by

- a) Force majeure or
- b) Abnormally bad weather or
- c) Serious loss or damage by fire, or
- d) Civil commotion, local combination of workmen strike or lockout, affecting any of the trades employed on the work, or
- e) Delay on the part of other contractors or tradesmen engaged by Board in executing work not forming part of the contract, or
- f) Other cause, which, in the absolute discretion of the authority mentioned in Appendix, is beyond the Contractor's control;

48.4 Then upon the happening of any such event causing delay, the Contractor shall immediately give notice thereof in writing to the Engineer-in-Charge but shall nevertheless use constantly his best endeavors to prevent or make good the delay and shall do all that may be reasonably required to the satisfaction of the Engineer-in-Charge to proceed with the Works.

48.5 The Contractor shall arrange, at his own expense, all tools, plant and equipment hereafter referred to as (T & P) labour, P.O.L. & electricity/water required for execution of the work for which nothing extra shall be paid.

49. FORCE MAJEURE

Any delays in or failure of the performance of either party herein shall not constitute default hereunder or give rise to any claim for damages, if any, to the extent such delays or failure of performance is caused by occurrences such as Act of god or the public enemy; expropriation or confiscation of facilities by Government authorities, or in compliance with any order or request of any Governmental authorities or due acts of war, rebellion or sabotage or fires, floods, explosions, riots or illegal joint strikes of all the workers of all the contractors.

50. MATERIALS

All materials to be provided by the Contractor shall be in conformity with the specifications laid down in the contract and the Contractor shall, if requested by the Engineer- in-Charge, furnish proof to the satisfaction of Engineer- in-Charge in this regard.

51. Labour:

- a) The Contractor shall employ its labour in sufficient numbers to maintain the required rate of progress and of quality to ensure workmanship of the degree specified in the Contract and to the satisfaction of the Engineer-in-Charge. The Contractor shall not employ in connection with the Works any person who has not completed eighteen years of age.
- b) All the workers or employees deployed by the contractors shall be considered the employees of contractor and Board shall not have any liability what so ever in nature in regard to such workers/employees.
The Contractor shall pay to labour employed by him directly wages not less than fair wages as per Minimum Wages Act. Fair Wage' means wages, which shall include wages for weekly day of rest and other allowances whether for time or piece work, after taking into consideration prevailing market rates for similar employment in the neighbourhood but shall not be less than the minimum rates of wages fixed under the payment of Minimum Wages Act.
- d) The Contractor shall in respect of labour employed by him or his sub-contractor comply with or cause to be complied with the Contractor Labour Regulation in regard to all matters provided therein.
- e) The Contractor shall comply with the provisions of the payment of Wages Act, 1936, Minimum Wages Act, 1948, Employers' Liability Act, 1938. Workmen's Compensation Act, 1923, Industrial Disputes Act, 1947, Maternity Benefit Act, 1970 or any modification thereof or any other law relating thereto and rules made there under from time to time.
- f) The Contractor shall indemnify and keep indemnified the Board against:
 - i) Any claim arising out of third party loss/ damage to life or property caused by/during execution of the work.
 - ii) Any claim arising out of loss/ damage to the workmen engaged by the contractor during execution of the work.
 - iii) Any claim due to non-compliance of applicable PF/ Labour laws, ESI regulations etc.

52. Inspection and Approval:

All work embracing more than process shall be subject to examination and approval at each stage thereof and the Contractor shall give due notice to the Engineer- in-Charge or his authorized representative when each stage is ready. The Engineer- in-Charge or his representative shall have powers at any time to inspect and examine any part of the Works and the contractor shall give such facilities as may be required for such inspection and examination.

53. Liquidated Damages for Delay

Time is essence of the contract. In case the CONTRACTOR fails to complete the whole work within the stipulated period, and clear the site he shall be liable to pay liquidated damages @ 01 % (one percent only) of the value of contract per week and or part thereof of the delay subject to a maximum of 5% (Five percent only) of the value of the contract. The amount of Compensation may be adjusted or set-off against any sum payable to the Contractor under this or any other contract with the Board.

54. Instruction and Notices:

- 54.1 Subject as otherwise provided in this contract, all notices to be given on behalf of the CBSE and all other actions to be taken on its behalf may be given or taken by the Engineer- in-Charge or any officer for the time being entrusted with the functions, duties and powers of the Engineer- in-Charge.
- 54.2 All instructions, notices and communications, etc., under the contract shall be given in writing and if sent by registered post to the last known place of abode or business of the Contractor shall be deemed to have been served on the date when in the ordinary course of post these would have been

delivered to him.

55. Foreclosure of Contract in Full or in Part due to Abandonment or Reduction in Scope of Work.

If at any time after acceptance of the tender the Board shall decide to abandon or reduce the scope of the works for any reason whatsoever and hence not require the whole or any part of the Works to be carried out the Engineer-in-Charge shall give notice in writing to that effect to the Contractor and Contractor shall have no claim to any payment of compensation or otherwise whatsoever, on account of any profit or advantage which he might have derived from the execution of the works in full but which he did not derive in consequence of the foreclosure of the whole or part of the works.

56. Cancellation of Contract in Full or in Part by the Board:

The Board shall have a right to cancel the contract in full or in part if the Contractor:

- a) At any time makes defaults in proceeding with the Works with due negligence and continues to do so even after a notice in writing of 7 days from the Engineer- in-Charge; or
- b) Commits default in complying with any of the terms and conditions of Contract and does not remedy it or take effective steps to remedy it within 7 days after a notice in writing is given to him in that behalf by the Engineer-in-Charge; or
- c) Fails to complete the works or items of work on or before the date(s) of completion, and does not complete them within the period specified in a notice given in writing in that behalf by the Engineer-in-Charge; or
- d) Violates any of the terms and conditions stipulated in this Tender.
- e) Being a company, passes a resolution or the Court makes an order for liquidation of its affairs, or a receiver or manager on behalf of the debenture holders is appointed or circumstances shall arise which entitle the Court or debenture holders to appoint a receiver or manager; or

57. Liability for Damage, Defects or Imperfections and Rectification thereof:

If the Contractor or his workmen or employees shall injure or destroy any part of the building in which they may be working or any building, road, fence, etc. contiguous to the premises on which the work or any part of it is being executed, or if any damage shall happen to the work while in progress the Contractor shall upon receipt of a notice in writing in that behalf make the same good at his own expense. In case of repairs and maintenance works, splashes and dropping from white washing, painting, etc. shall be removed and surfaces cleaned simultaneously with completion of these items of work in individual rooms, cabins or premises, etc. where the work is done, without waiting for completion of all other items of work in the contract. In case the Contractor fails to comply with the requirements of this condition, the Engineer- in-Charge shall have the right to get the work done by other means at the cost of the Contractor. Before taking such action, however, the Engineer- in-Charge shall give three days notice in writing to the Contractor.

58. Urgent Works:

If any Urgent work (in respect whereof the decision of the Engineer-in-Charge shall be final and binding) becomes necessary and Contractor is unable or unwilling at once to carry it out, the Engineer- in-Charge may by his own or other workpeople carry it out, as he may consider necessary. If the urgent work shall be such as the Contractor is liable under the contract to carry out at his expenses, the expenses incurred on it by the Board shall be recoverable from the Contractor and be adjusted or set off against any sum payable to him.

59. VALUATIONS AND PAYMENT:

1. The Engineer- in-Charge shall accept as otherwise stated ascertain and determine by measurement the value in accordance with the contract work done in accordance therewith.
2. All items having a financial value shall be entered in computerised Measurement Book, etc. prescribed by the Board so that a complete record is obtained of all work performed under the contract.
3. Payment will be released through cheque /RTGS after satisfactory completion of work.
4. Payment will be made on actual measurement basis as carried out at the site. The quantities given in the schedule of quantities are only approximate and contractor will have to carry out the work as per the increased/decreased quantity of work as per the directions of Engineer-in-Charge, for which no extra claim over and above the tender rate will be considered. For releasing the payment up to accepted tender amount the Chairman, CBSE is the approving authority.
5. The Contractor shall, without extra charge, provide assistance with every appliance, labour and other things necessary for measurements. In regard to measurement, variation; the decision taken by the Engineer-in-charge shall be final.

No escalation will be paid even in extended period, if any.

6. All measurements shall be taken jointly by the Engineer- in-charge or his authorized representative and by the contractor or his authorized representative from time to time during the progress of the work and such measurements shall be signed and dated by the Engineer- in-charge and the parties. If the Contractor objects to any of the measurements recorded on behalf of the CBSE a note to that effect shall be made in the Measurement Book against the item object to and such note shall be signed and dated by all the parties engaged in taking the measurement. The decision of the Competent Authority on any such dispute or difference or interpretation shall be final and binding on both the parties and shall be beyond the scope of the settlement of disputes of Arbitration in respect of all contract items, substituted items, extra items and deviations.
7. All statutory deductions as applicable like TDS, etc shall be made from the due payment of the contractor.
8. No running payment allowed in a work full and final payment shall be released after successfully completion of work.

60. Methods of Measurement

Except where any general or detailed description of the work in Quantities expressly shows to the contrary, Schedule of Quantities shall be deemed to have been prepared and measurements shall be taken in accordance with the procedure set forth in the Schedule of Rates / Specification notwithstanding any provision in the relevant Standard Method of Measurement or any general or local custom.

61. Carrying out part work at risk & cost of contractor

The Engineer- in-charge without prejudice to any other right or remedy against the contractor which have either accrued or accrue thereafter to the Board, by a notice in writing to take the part work/ part incomplete work of any item(s) out of his hands and shall have powers to:

(a) Take possession of the site and any materials, constructional plant, implements, stores, etc., thereon; and/or

(b) Carry out the part work/ part incomplete work of any item(s) at the risk and cost of the contractor.

Any excess expenditure incurred or to be incurred by the Board in completing the part work/ part incomplete work of any item(s) or the excess loss of damages suffered or may be suffered by the Board as aforesaid without prejudice to any other right or remedy available to Board in law or as per agreement be recovered from any money due to the contractor on any account, and if such money is insufficient, the contractor shall be called upon in writing and shall be liable to pay the same within 30 days.

If the contractor fails to pay the required sum within the aforesaid period of 30 days, the Engineer-in-charge shall have the right to sell any or all of the contractors' unused materials, constructional plant, implements, temporary building at site etc. and adjust the proceeds of sale thereof towards the dues recoverable from the contractor under the contract and if thereafter there remains any balance outstanding, it shall be recovered in accordance with the provision of the contract.

In the event of above course being adopted by the Engineer- in-charge, the contractor shall have no claim to compensation for any loss sustained by him by reason of his having purchased or procured materials or entered into any engagements or made any advance on any account or with a view to the execution of the work or the performance of the contract.

62.ARBITRATION AND LAWS Arbitration:

Except where otherwise provided for in the contract all questions and disputes relating to the meaning of the specifications, designs, drawings and instructions herein before mentioned and as to the quality of workmanship or materials used onto 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 and these conditions or otherwise concerning the works, or the execution or failure to execute the same whether arising during the progress of the work or after the completion or abandonment thereof shall be referred to Chairman CBSE. There will be no objection if the arbitrator so appointed is an employee of the CBSE. and that he Subject as aforesaid the provision of the Indian Arbitration and Reconciliation Act, 1996, or any statutory modification or re-enactment thereof and the rules made there under and for the time being in force shall apply to the arbitration proceeding under this clause.

It is a term of the contract that the party invoking arbitration shall specify the dispute or disputes to be referred to arbitration under this clause together with the amount or amounts claimed in respect of each such dispute.

The Arbitrator shall be deemed to have entered on the reference on the date he issued notice to both parties fixing the date of the first hearing. The Arbitrator shall give a separate award in respect of each dispute of difference referred to him.

The venue of arbitration shall be at Delhi or such place as may be fixed by the Arbitrator in sole discretion.

The award of the arbitrator shall be final, conclusive and binding on all parties to this contract. The cost of arbitration shall be borne equally by the parties to the dispute, as may be decided by the arbitrator(s).

SIGNATURE OF THE CONTRACTOR

<u>LIST OF APPROVED MAKE OF MATERIAL</u>		
1	CEMENT	ACC, ULTRATECH,VIKRAM, SHREE CEMENT, AMBUJA ,JAYPEE CEMENT,CENTURY CEMENT & J.K.CEMENT
<u>2</u>	WHITE CEMENT	J.K. WHITE, BIRLA WHITE
3	WATER PROOFING COMPOUND	PIDILITE, CICO, FOSROC ACCOPROOF, IMPERMO
4	BITUMEN	INDIAN OIL, HINDUSTAN PETROLEUM, BHARAT PETROLEUM
5	NON METALIC SURFACE HARDNER	ARMSTRONG, NITOFLOHARDTOP, FOSROC, , SIKAFLOOR® – 2 SYNLTOP, IRONITE COMPANY OF INDIA LTD,
6	LOCKS/LATCH	GODREJ, HARRISION, PLAZA, DORMA , YALE
7	WIRE MESH	HAYER STANDARD INDIA PVT LTD, GRAND METAL CORPORATION, STERLING ENTERPRISES, TRIMURTY WELDED MESH, TIGER
8	NUTS, BOLTS AND SCREWS, STEEL	KUNDAN, PRIYA, ATUL, PUJA, AXEL
9	POLY-SULPHIDE/SILICON SEALANT	PIDILITE, FOSROC, TUFFSEAL, CHOKSEY,CHEMICALS,
10	DASH FASTNERS	HILTI, FISCHER, BOSCH, CANON, AXEL
11	HYDRAULIC DOOR CLOSER/FLOOR SPRING	HARDWYN, GODREJ, YALE,
<u>12</u>	S.S RAILING	JINDAL STAINLESS STEEL LTD., ICICH INDUSTRIES, ESSAL, DORMA, AXEL.
<u>13</u>	FLOAT GLASS	MODI FLOAT, SAINT GOBAIN, ASAHI,
<u>14</u>	EPDM GASKET	HANU/ANAND/LESCUYER
<u>15</u>	TILE ADHESIVE	PIDILITE, SIKA,THERMOSHIELD, DUNLOP, VAMORGANIC, TILE MATE & HOME PRIDE
<u>16</u>	CERAMIC GLAZED TILES	JOHNSON, KAJARIA, ORIENT BELL, SOMANY, CRYSTAL, VARMORA, NITCO
<u>17</u>	PORCELAIN TILES	JOHNSON, ASIAN, CENTURY, MARBITO, VARMORA NITCO
<u>18</u>	VITRIFIED TILES	KAJARIA, JOHANSON, ASIAN, ANTIQUE, GRANITO, ORIENT BELL, SOMANY, MARBITO, CRYSTAL, VARMORA, NITCO
<u>19</u>	CHEQURED TILE	NITCO, ULTRA, UNISTONE, MODERN,
<u>20</u>	CC PAVERS	NITCO, BHARAT REGENCY, HINDUSTAN, ULTRA, KJS CONCRETE, DURACRETE K.K. , DALAL TILES INDUSTRIES, KIRITI.
<u>21</u>	VITREOUS CHINA 22SAINITARY WARE	PARRYWARE, HINDWARE, CERA
<u>22</u>	FIRECLAY SINKS & DRAIN BOARDS	PARRY, SANFIRE(DELUXE)
<u>23</u>	STAINLESS STEEL SINKS	NILKANTH, NIRALI, COBRA, AXEL, JAYNA, MILLENNIUM
<u>24</u>	SOIL,WASTE & VENT PIPES & FITTINGS A) CENTRFUGAL CAST IRON	NECO, HEPKO, KAPILANSH SKF,CICO, HIF(BABU LAL BAJAJ IRON FOUNDRY) BENGAL IRON CORPORATION
<u>25</u>	G.I. PIPES	TATA, JINDAL (HISSAR), PRAKASH
<u>26</u>	G.I. FITTINGS (MALLAEABLE CAST IRON)	UNIK, ICS, AMCO, KS, NVR
<u>27</u>	GUNMETAL VALVES	LEADER, SANT, ZOLOTO
<u>28</u>	STONEWARE PIPE & GULLY TRAPES	PERFECT, PARRY

29	C.I. DOUBLE FLANGED SLUICE VALVES	KIRLOSKAR, IVC, BURN
30	C.I. DOUBLE FLANGED NON-RETURN VALVES	KIRLOSKAR, SANT, KARTAR
31	UPVC PIPE	SURREME, PRINCE, FINOLEX, PRAKASH, SFMC
32	BALL VALVES	ZOLOTO, IBP, ARCO
33	BEVELED EDGE MIRROR	MODIGUARD, ATUL, SAINT GOBAIN
34	UPVC WINDOW/DOORS	FENESTA, REHAU, POLYWOOD
35	FIRE GLASS FOR VISION PANNELS	SAINT GOBAIN, ASHAI INDIA, MODI
36	ALUMINIUM EXTRUDED PROFILES	HINDALCO/JINDAL/NALCO
37	CPVC PIPE & FITTINGS	AJAY FOLOWGUARD, ASHIRWAD FOLOGUARD, SFMC
38	POP (PLASTER OF PARIS)	J K. LAXMI, SRIRAM NIRMAN, SAKARNI
39	PRELAMINATED PARTICLE BOARD	CENTURY PLY, ECO BOARD, BHUTAN BOARD, ACTION TESA, ASSOCIATE DECORE LTD.
40	BLOCK BOARD	CENTURY PLY BOARD, DURO, ALPRO GREEN PLY
41	FLUSH DOOR	CENTURY PLY BOARD, DURO, ALPRO GREEN PLY, M.P.WOOD
42	PVC DOORS	RAJSHREE, FINOLEX PLASTICS
43	FACTORY MADE SECTION WINDOW	ISI MARK PRODUCT ONLY,
44	PLASTIC SEAT COVER	COMMANDER, JINDAL, ADMIRA, CUCKOO, MILLENNIUM
45	M.S. DOOR FITTINGS	ASHISH, OXFORD, GARG, ADARSH
46	ALUMINIUM DOOR ,FITTINGS	CLASSIC, EVEREST, ARGENT
47	FIBERGLASS REINFORCED PLASTIC (FRP) PANELLED/ FLUSH DOOR SHUTTER & FRAME.	FIBREWAYS TECHNOLOGY, SHIV SHAKTI FIBRE UDYOG, SIMBA FRP PVT. LTD. & ADVANCE TECH.
48	Moitege lock with handle and cylainder	Godrej, HArrision, Ozone, Yale

48 SYNTHETIC ENAMEL)FIRST QUALITY

M/s Asian Paints Ltd (Apolite Gloss enamel),
M/s Berger Paints India Ltd (Luxol Hi-gloss enamel)
M/s Shalimar Paints Ltd(Superlac Hi-gloss enamel)
M/s ICI India Ltd. AKZONOBEL (Dulux Hi gloss Enamel)
M/s Jehnson & Nicholson Ltd. (Borolac)
M/s Kamdhenu Paints (Interior and Exterior kamolite Synthetic Enamel Paint Products)

49 OIL BOUD DISTEMPER

M/s Asian Paints Ltd (Tractor / Professional Acrylic Distemper)
M/s Berger Paints India Ltd (Bison Acrylic Distemper)
M/s Shalimar Paints Ltd (No. 1 Premium Acrylic distemper)
M/s ICI India Ltd AKZONOBEL (Maxilite Acrylic Distemper)
M/s Godavari Paints Pvt Ltd (Godavari Acrylic Distemper)
M/s Kamdhenu Paints (Acrylic Washable Distemper and Acrylic Putty and Primer)

- 50 **ACRYLIC EMULSION EXTERIOR**
M/s Asian Paints Ltd (Apex Ultima)
M/s Berger Paints India Ltd (Weathercoat All Guard)
M/s Shalimar Paints Ltd (Xtra Maxima)
M/s ICI India Ltd AKZONOBEL (Dulux Weathersheild Max)
M/s Godavari Paints Pvt Ltd (Pearl Ultima)
M/s Sherwin William Paints (Outshine Kaamal)
M/s Kamdhenu Paints (Interior and Exterior Acrylic Enamel Paint Products)
- 51 **CEMENT BASED PAINT**
M/s Asian Paints Ltd (Uatsavcem)
M/s Berger Paints India Ltd (Durocem)
M/s Shalimar Paints Ltd (Maha Cemkote)
M/s Jayant Color & Chemical Industries (Supremcem)
M/s Sherwin Williams Paints India Ltd (Nitcocem)
M/s Kamdhenu Paints (Supper Kamocem water proof Cement paint, ODHNI Cement Paint & Kamoprime primer)
- 52 **CEMENT PRIMER**
M/s Asian Paints Ltd
M/s Berger Paints India Ltd M/s Shalimar Paints Ltd
M/s ICI India Ltd AKZONOBEL
M/s Godavari Paints Pvt Ltd (Godavari Waterbased Exterior Primer / interior Primer / Professional Primer)
M/s Jehnson & Nicholson Ltd
M/s Sherwin William Paints India Ltd
- 53 **TEXTURE FINISH**
SPECTRUM, ACRO, SANDTEX, REVLONTEX
M/s Kamdhenu Paints (Fine/Rustic/Stone Finishes Texture Paint)
- 54 **FLY ASH BRICKS**
M/S KJS Concrete(P) Ltd.
- 55 **STONE CLADDING CLAMPS**
AXEL

SCHEDULE OF WORK

Name of work: **Limited tender for Civil and electrical work at Shiksha Kendra, CBSE, HQ building, Preet Vihar, Delhi-110092.**

S.No	Description of Item	Qty.	Unit	Rate	Amount
1	Dismantling of air cooling ducts with gypsum board by Mechanical or manual mean & stacking of serviceable material in basement and disposal of unserviceable material with in 50 mtr. Lead.	1	job		
	Size of duct.				
	(I) 6.40 x 0.90 x 0.42				
	(ii) 7.40 x 0.90 x 0.42				
	(iii) 53.20 x 1.20 x 1.20				
2	Dismantling of Gypsum board / POP false ceiling hanging/fix with M.S channel / strip etc at ceiling and disposal of unserviceable material with in 50 mtr lead as per director of Engineer-In-Charge	190	sqm		
3	Dismantling of wooden wall paneling partition of thickness 50-60mm/c dismantling of doors etc complete. i/c removal of veneer on both side and wooden batten etc complete.	180	sqm		
4	Dismantling tile work in floors, wall and roofs laid in cement mortar including stacking material within 50 meters lead. For thickness of tiles 10 mm to 25 mm and including mortar & Chemical thickness 25 to 80mm	160	sqm		
5	Providing and laying double charge Vitriified tiles in floor with different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS:15622 , of approved brand & manufacturer, in all colours and shade, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS : 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately). Size of Tile 600 x 600 mm	160	sqm		
7	15 mm Cement plaster on rough side of single or half brick wall of mix: 1:4 (1 Cement: coarse sand)	80	Sqm		
8	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	450	Sqm		
9	French spirit polishing:				
	One or more coats on old work including a coat of wood filler.	200	Sqm		
	Two or more coats on new work including a coat of wood filler.	60	Sqm		
10	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications : Two or more coats applied on walls @ 1.25 ltr/10 sqm over and including one coat of Special primer applied @ 0.75 ltr / 10 sqm	550	Sqm		
11	Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25 mm to 40 mm thick :				

11.1	35mm thick Second class teak wood.	3	Sqm		
11.2	Float glass panes 5.5mm thickness	4	Sqm		
11.3	Float glass panes 8 mm thickness	10	Sqm		
12	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws, excluding paneling which will be paid for separately, all complete as per direction of Engineer-in-charge. Second class teak wood. 35 mm thick shutters	6	Sqm		
13	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately). Second class teak wood.	0.2	Cum		
14	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.	250	cum		
15	Providing and fixing of heavy duty concealed door closer suitable for interior wood, hollow metal and aluminum door frames. Maximum door opening is approximately 130°	4	No's		
16	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 sq.mm. FR PVC insulated copper conductor single core cable etc as required. Group C	60	Point		
17	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required 2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire 2 X 4 sq. mm + 1 X 4 sq. mm earth wire	100 200	Mtr. Mtr		
18	Supplying and fixing 32 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 32 amps "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	6	Each		
19	Wiring for power point(2x 4 sqmm) i/c 15 AMP switch , socket and plates etc complete.(2 switch , 2 sockets, and 6 module modular plate)	24	Each		
20	P & F LED light fitting of 5/7 watts Down lighter.	36	Each		
21	SITC of sound proof exhaust fan upto 300mm sweep in the existing opening including providing M.S. support as per site requirement.	1	Each		
22	Providing and fixing MS modular box with modular plate etc complete and 5 Amp switch.	28	No.		
23	Providing and fixing MS modular box with modular plate etc complete and 5 Amp socket.	8	No.		
24	Making opening in existing Gypsum false ceiling for Air conditioning, LED lights etc complete as per direction of Engineer in Charge.	97	No.		

25	<p>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 rate 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, 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 or both sides of 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 : 12.5 mm thick tapered edge gypsum moisture resistant board.</p>	180	sqm		
27	<p>Providing and fixing partition upto ceiling height consisting of G.I. frame and required board including providing and fixing of frame work made of special section power pressed/ roll form G.I. sheet with zinc coating of 120 gms/sqm(both side inclusive), consisting of floor and ceiling channel 50mm wide having equal flanges of 32 mm and 0.50 mm thick, fixed to the floor and ceiling at the spacing of 610 mm centre to centre with dash fastener of 12.5 mm dia meter 50 mm length or suitable anchor fastener or metal screws with nylon plugs and the studs 48 mm wide having one flange of 34 mm and other flange 36 mm and 0.50 mm thick fixed vertically within flanges of floor and ceiling channel and placed at a spacing of 610mm centre to centre by 6 mm dia bolts and nuts, including fixing of studs along both ends of partition fixed flush to wall with suitable anchor fastener or metal screws with nylon plugs at spacing of 450 mm centre to centre, and fixing of boards to both side of frame work by 25 mm long dry wall screws on studs, floor and ceiling channels at the spacing of 300 mm centre to centre. The boards are to be fixed to the frame work with joints staggered to avoid through cracks, M.S. fixing channel of 99 mm width (0.9 mm thick having two flanges of 9.5 mm each) to be provided at the horizontal joints of two boards, fixed to the studs using metal to metal flat head screws, including jointing and finishing to a flush finish with recommended jointing compound, jointing tape, angle beads at corner (25 mm x 25 mm x 0.5 mm), joint finisher and two coats of primer suitable for board as per manufacturer's specification and direction of engineer in charge all complete.</p> <p>66mm overall thickness Partition with 8mm thick double skin</p>				

	Calcium Silicate Board made with Calcareous & Siliceous materials reinforced with cellulose fiber manufactured through autoclaving process with Compressive Strength 225 kg/sq.cm, Bending Strength 100 kg./ sq.cm	70	sqm		
30	Providing and fixing 12 mm thick frameless toughened glass door shutter of approved brand and manufacture, including providing and fixing top & bottom pivot & spring type fixing arrangement and making necessary holes etc. for fixing required door fittings, all complete as per direction of Engineer-in-charge (Door handle, lock and stopper etc.to be paid separately).	16.5	sqm		
31	P/F Stainless steel handle of 450mm in door approved by Engineer in Charge.	16	No.		
32	P/F lock in frameless glass door of approved design and direction of Engineer in Charge.	8	No.		
33	Providing and fixing Zebra blind of approved make and colour as per direction of engineer in Charge.	33	sqm		
34	Providing and fixing Roller blind of approved make and colour as per direction of engineer in Charge.	10	sqm		
35	SITC of electric motors with remote control for Zebra blinds of approved brand and direction of Engineer in Charge.	7	No.		
36	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete : 100x10 mm	20	No.		
37	Providing and fixing bright finished brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles with necessary screws etc. complete (best make of approved quality).	8	No.		
38	Providing and fixing bright finished brass handles with screws etc. complete : 100mm	20	No.		
39	P/F sun control film of approved colour, brand and design as per direction of Engineer in Charge.	25	sqm		
40	Providing and fixing wooden moulded beading to door and window frames with iron screws, plugs and priming coat on unexposed surface etc. complete :				
40.1	40x12mm	200	Metre		
40.2	20 x 20mm	300	Metre		
41	Providing and laying machine cut, mirror polished Marble stone flooring, in required design (Simple geometrical, abstract etc.) and in patterns in combination with Italian marble stones of different colours, shades and finished surface texture etc., in linear portions of the building, all complete as per the architectural drawings, with 18 mm thick stone slab laid over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with white cement slurry @ 4.4 kg/sqm including pointing with white cement slurry admixed with pigment to match the marble shade including rubbing , curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge.				
41.1	(a)18 mm thick quartz Marble stone slab,Perlato, Rosso verona, Fire Red or Dark Emperadore etc.	13.5	sqm		
42	Extra for prefinished nosing to treads of steps of marble stone.	16	metre		
43	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead : Of area 3 sq. metres and below	23	each		
44	Providing and fixing 8 mm thick float glass table top of approved brand and manufacture, including cutting in curvature, moulding, edging, all complete as per direction of Engineer-in-charge	2	sqm		

45	Providing and Fixing of looking mirror of size. 450 x 600 450 x 1500	1 1	Each Each		
46	Providing and fixing of fixed glass window made of wooden Second class teak wood frame and fixed 8 mm thick glass panes i/c windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length i/c wooden beading and polishing work with French split polish work on new work with wood filler etc complete as per site requirement. Size of window 1.20 x 0.90 0.50 x 0.90 1.20 x 0.75 0.40 x 0.75	5 7 1 3	Each Each Each Each		
47	Providing and fixing of fixed double leaf window. Frame and shutter made of wooden Second class teak wood frame and glazing in window shutter 5.5 mm thick glass panes i/c windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length i/c wooden beading and polishing work with French split polish work on new work with wood filler etc complete as per site requirement. 1.0 x 1.21 0.80 x 1.21	2 2	Each Each		

Note:- Rate must be quoted inclusive of all taxes (GST) etc. complete.