

ENGINEERING SECTION

HAZIABAD DEVELOPMENT AUTHORITY HAZIABAD

ISSUED TO:



TENDER BID

1. **Name of Work** : मोहन नगर चौराहे पर निर्माणाधीन फुट ओवर ब्रिज के एक्सकेलेटर के संचालन हेतु कन्ट्रोल रूम व मीटर रूम का निर्माण तथा 100 के0वी0 के ट्रांसफार्मर की स्थापना का कार्य।
2. **Estimate Cost** : 8.83 Lakh
3. **Date of opening Tender** : 31.03.2021
4. **Cost of Tender** : 1534/-
5. **Earnest Money** : 18000/-
6. **Time of Completion** : 90 Days

J. Engineer

Asstt. Engineer

Ex. Engineer

ENGINEERING SECTION

HAZIABAD DEVELOPMENT AUTHORITY

NAME OF WORK: मोहन नगर चौराहे पर निर्माणाधीन फुट ओवर ब्रिज के एक्सकेलेटर के संचालन हेतु कन्ट्रोल रूम व मीटर रूम का निर्माण तथा 100 के0वी0 के ट्रांसफार्मर की स्थापना का कार्य।

APPROX COST 8.83

Lakh

TENDER COST 1534.00/-

DATE OF TENDER: 05.01.2021 to 12.01.2021

E.M.18000/-

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CERTIFICATE THAT THE TENDER DOCUMENT CONTAINS 25 PAGES

GHAZIABAD DEVELOPMENT AUTHORITY NOTICE INVITING TENDERS

1. Tenders are hereby invited on behalf of the Vice Chairmen, Ghaziabad Development Authority, Ghaziabad as per given below.

S.No.	Name of Work	Estimated cost	Earnest money	Cost of tender	Time allowed for completion
1.	मोहन नगर चौराहे पर निर्माणाधीन फुट ओवर ब्रिज के एक्सकेलेटर के संचालन हेतु कन्ट्रोल रूम व मीटर रूम का निर्माण तथा 100 केवी0 के ट्रांसफार्मर की स्थापना का कार्य।	8.83 Lakh	18000/-	1834/-	90 Days

2. Tender documents and other particulars of the works can be purchased from the office of the Authority between the hours of 12.00 A.M. and 3.00 PM. on all working days till **24.03.2021 to 31.03.2021** after paying the cost tender mentioned above.
3. Tenders, which should always be placed in sealed cover will be received but the Executive Engineer Engineering section, Ghaziabad Development Authority, Ghaziabad upto **Dt. 31.03.2021 at 3 p. m.** are expected to be present at the time of opening of tenders.
4. The contractors should quote in figures as well as in words the rate and amount tendered by them.
5. Each tender must be accompanied by a deposit of Earnest money in any of the following form
a) Deposit call receipts of a scheduled Bank Guarantee by Reserve bank of India.
b) Post Office/Saving bank pass book/National Saving Certificate/Nation Plan Certificates/National Defence Certificate duty pledged to the executive Ghaziabad Development Authority.
c) Guarantee of any scheduled Bank in India.
6. The acceptance of a tender, will vest with the vice chairman, who does not bind himself to accept the lowest tender and reserves to himself the right of rejection any or all of the tenders received without assigning a reason or of accepting the whole or part of the tender.

7. Convassing in connection with tenders is strictly prohibited and the tenders submitted by the contractors who resort to convassing will be liable for rejection.
8. On acceptance of the tender, the name of the authorized representative (9s) or the contractor who would be responsible for taking instructions from the Engineer-in-charge shall be communicated to the Engineer-in-charge.
9. B.O.Q. Rates are without GST, GST will be paid as applicable.
10. The contractors must produce Income Tax clearance Certificate before the tender papers can be sold to him.
11. The contractor, whose tender is accepted will be required to furnish by way of security deposit for the due fulfilment of his contract such sum as will amount to the contract value. Security will be deducted @ 10% flat rates on work done amount. The Security deposit may be collected by deductions from the running bills of the contractor at the rate mentioned above and the earnest money if deposited in cash at the time of tenders will be treated as the part of security deposit. The security amount will also be accepted in cash or in the shape of Government securities Fixed deposit receipt and Guarantee Bonds of Scheduled banks will also be acceptable for this purpose provided confirmatory advice is for the coming from the Reserve Bank of India.
12. The contractor shall not be permitted to tender in G.D.A if his near relative is employee of G.D.A. He shall also intimate the name of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives of any employee of G.D.A. any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of G.D.A.
Note: - A near relative will include wife, husband, parents and grand children, brother and sister, uncles, aunts and cousins and their corresponding in laws.
13. No employee of GDA is allowed to work as contractor or as employee of a contractor for a period of 2 years of his retirement from service without the prior permission of Vice-chairman GDA. This contract is liable to be cancelled if either the contractor or any of his employee is found at any time to be such a person who had not obtained the permission of the Vice Chairman. G.D.A. as aforesaid before submission of the tender of engagement in the contractor's service.
14. The tender for works shall remain open for acceptance for a period of ninety days from the date of opening of tenders, if any contractor withdraws his tender before the said period to make any modification on the terms and conditions of the tender which are not acceptable to the GDA then the GDA shall without prejudice to any other right or remedy, be at liberty to forfeit 100% of the said earnest money absolutely.
15. The contractors exempted from payment of earnest money in individual cases should attach with the tender an attested copy of the chief engineer's letter exempting them from the payment of earnest money and should produce the original whenever called upon to do so.

16. The tender for the work shall not be witnessed by a contractor who himself/themselves may has/have tendered for the same work. Failure to observe this condition would render/tenders of the contractors tendering as well witnessing the tender liable to summary rejection.
17. The contractor shall submit attested photo copy 'A' class approved electrical license of U.P Govt.
18. The contractor should be registered in the appropriate class in GDA.
19. The contractors are advised to see the site of work and be acquainted with the position of materials conditions of contracts, drawing etc. before tendering.
20. If a person, after contender is accepted does not sign the agreement, his earnest money will be for fit.
21. The tenderer is required to execute and enclose with his tender an agreement on General stamp of Rs. 1 DO/with Rs. 1.00 revenue stamp of the prescribed from to keep his tendered rates valid for three months.
22. The tenderer as advised to see the site of the work and they will be deemed to have familiarised themselves with the scope of work, local conditions, drawings, specifications conditions, of contract etc. before submitting their tenders.
23. Tenders shall remain open for acceptance for a period of THREE MONTH from the date of opening of tenders without assigning any reason.
24. Canvassing in connection with the tenders is strictly prohibited and the tenders submitted by tenders who resort to canvassing are liable to be rejected.
25. All rates shall be quoted only on the blank form of the tender supplied by the authority. Tenders with rates quoted on private papers will not be considered. .
26. On acceptance of the tender the name of the authorised representative of the contractor who would be responsible for taking instructions from the Engineer-in-charge shall be communicated to the office calling for tenders.
27. The contractor shall be bound by all the Clause of from G.P.W.9 Which may be seen in the office on any working bay before tendering.

Note: - The expression "Engineer-incharge" used herein before means the Divisional Officer, the sub-divisional Officer, of the Resident Engineer as the case may be, who shall supervise and be incharge of the work.

For non compliance of any of the above instructions the tender in liable to be rejected.

Dated:

J.E. **Asstt. Engineer/Executive Engineer**
(4)

GHAZIABAD DEVELOPMENT AUTHORITY

SPECIAL CONDITIONS OF THE CONTRACT

No extra cost of claim will be admission for following these general specification conditions, The following should, therefore, be thoroughly studied and taken into account by Contractors before tendering and also signing the agreement of the work.

1. All the work shall be carried out as per latest U.P.P.W.D./UPPCU Electricity construction Manual/ Specification and latest Indian electricity rules/ISI specification.
2. All the items fixtures used in the work shall be as per drawing or specifications.
3. The contractor shall only store such material at side which are to be used in this work. Material which are not to be used in this work or material of inferior quality shall not be stored at side without written permission of the Engineer-in -charge.
4. No assurance for providing free storage placed to the contractor is given. No. payment for storage shall be payable to the contractor. He may have to make his own storage arrangements at his own cost.
5. The contractor shall remove all defects till the work is handed over to the UPPCL and the contractor shall cooperate and help in handing over UPPCL.
6. The work shall be open for inspection by Technical Audit Cell. Defects pointed out by the Technical Cell will have to be removed by contractor at his own cost within 5 years after finalisation to the bond. In case the contractor of fails Government and development will be made as finally directed by the Vice-Chairman, GDA.
7. If necessary the firm to whom work is allotted may have to produce on demand by the department purchase receipt from principal manufacturer for verification of correct supply of fixtures, The contractor will have to submit on demand the satisfactory TEST CERTIFICATE of all materials used in the work which shall be got provided by the Principal manufacturers.
8. Quantity of materials are approximate which may vary on either side up to any extent during execution or work will not affect the tendered rates.
9. The department is not responsible for arranging and material whatsoever and the contractor will have to complete the work within specified time with specified material. Non availability of materials or delay in the consignment will not be entertained as an excuse for extension of time for completion for work.
10. Tender will remain open for acceptance upto be three months tenders will have no right to revise tender within this period. However the department t; 1ay negotiate in this context.
11. General maintenance period will be '12' months from the date of completion or handling over on final measurement of work whichever is later 10% of security of the contract or deposited deducted from the bill will be admissible to refund after handing over to UPPCL/NNG/RWA During this period the contractor will remove all defects and lapses in execution, if, any pointed out by U.PPCL/NNG/RWA from time to time.
12. Each page of bill of quantity, specification and conditions should signed by the contractor.

13. Tenders should give their rates after careful examination of side of work Drawing can be seen in the office during working hours. Drawing and specification can however be modified without entitling the contractor to any compensation due to change made there in charge of site will also not entitle the contractor to any compensation.
14. The contractor must take into consideration all fluctuations in rates of labor and materials during currency of the work. No claim whatsoever on this account shall be entertained.
15. The units of rates as shown in the bill of quantities should be carefully seen as rates once given by the contractor shall remain uncharged and no excuse on any account will be entertained after the tender box has been closed.
16. **TOOLS AND PLANTS:-** The contractor shall arrange of his own tools and plants required for the proper execution and completion of the work within the specified time, if any equipment is issued to the contractor from the Engineer Incharge in writing in advance.
17. **WATCH AND WARD :-** The contractor shall in connection with the work provide and maintain at his own cost all guard fencing and watch & ward required for proper execution & safety of materials etc.
18. **MEASUREMENT:-** The Engineer Incharge shall accept otherwise started ascertain and determine by measurement the value in accordance with the contract of the work done. He shall forthwith attend or send an authorized agent or representative with the necessary labour and implements to assist the official measurement made by the Engineer Incharge or any official under him or approved by him, shall be taken to be the correct measurement of the work.
19. The tender rates shall include all quarrying charges, royalty screening tools and plants. Carriage of materials to the site, stocking and removal of all rejected materials, District Board and municipal Board Taxes, Sales Tax and water arrangement etc.
20. The contractor must write their correct and complete postal address in the tender and arrange to take the delivery of all letters. If any letter is received back undelivered it will be contractor responsibility and contractor shall be bound for such action as may be written in the content of such letter. Any change of address must be intimated to this office for which he should option acknowledgements. The contractor or his agent will not refuse to delivery of letters at the site of work or in G.D.A. office.
21. **VERBAL INSTRUCTION ISSUED BY THE OFFICERS :-** Any verbal instruction issued by officers from time to time in connection with change in design or specification which the contractor thinks entitles him for extra payment shall be got confirmed in writing by the contractor. Failure to do this will on account entitle him extra payment. -'
22. The contractor shall be responsible to carry out the work according to the drawing attached with the contractor bond drawing of details given by Engineer I/C/. In case the contractor executes the work of larger dimensions than shown in drawings he will only be paid for drawings. In case work of larger dimensions than shown in drawings he will only be paid for drawings. In case work executed is of lesser dimensions and not covered by the tolerances allowed. It will be at the discretion of Engineer I/C. To accept the work or to reject. In case the work is to be accepted the payment, will be made as per dimensions actually executed.
23. All materials arranged by the contractor shall be subject to the approval of the engineer Incharge and rejected materials if any will have to be removed by the contractor within three days from the site of the work otherwise a penalty of Rs.50/- per may be imposed on him till the materials in question are removed.

24. The materials to be supplied by the Department as per schedule 'C' appended at the rates mentioned there in shall be supplied to the contractor in such lots and at such time as the Engineer-in-charge desired. The contractor should send his requirement will in advance to the Engineer-in-charges. The materials will be supplied in time as far as possible but in case of any materials being not available, no claim will be entertained. In case of material, listed in schedule 'C' the contractor will in charged and approved in Executive Engineer.
25. Other materials no covered by the schedule 'C' can also be issued to the contractor at the discretion of the Executive Engineer In charge if available at the current market rate or stock rates will ever is higher.
26. The contractor will submit a drawing of the electrification work executed the drawing paper approved by the Engineer-in-charge in drawing ink of Ammonia pasted in cut file has approved by the Engineer-in-charge before payment of the final bill and along with own claim certificate statement of accessories used without any additional cost in four sets the cost included in the estimated cost on the tendered work.
27. Mode of quoting the rates:
The tenders shall quote their rates % above/ below on B.O.Q. Rates..
28. The contractor will take care that while construction of lines and substation the Indian Electricity rules are followed in respect of clearance safety sag etc. The sag should be per I.S.S. and to the satisfaction of Engineer-in-charge.
29. Mode of measurement of over head contractor and earth wire will be by weight and will be calculated by measuring the distance from centre to centre of the poll and computing the weight of the conductor of the size and length by using standard table plus 3% extra shall be allowed for wastage sag. Jointing binding Jumpering etc.
30. Completion report
After completion, test result on the prescribed proforma Appendix 4 (U.P.P.W.D. Schedule 9 Clauses 107,314, 414) and route layout position of poles duly marked on the Housing Schemeduilding site plan shall be submitted by the contractor. The portion of the building etc. damage during the erection of installation shall be repaired properly to original finish and colour of building etc. by contractor on his cost.
31. Before tendering the rates contractor should be as per drawing and in any case shere the drawing are not available final decision of Engineer -in-charge of the work will have be accepted by the contractor.
32. The successful tenderer/contractor will be fully responsible for any damage of his men or any damage of 3rd party or their property or GDA property caused by him during the work.
33. In case of any dispute arising in execution of the agreement the matter will be referred to GDA for decision which will be final and binding on the contractor. .
34. The contractor will also be responsible to obtain necessary approval of the work executed by him from the Chief Electrical Inspector of the U.P. Government and also to get line engrigised from the UPPCL Necessary fees or charges as required will be paid the GDA on production of original receipts.
35. The contractor shall not without the consent in writing of the executive Engineer sublet his contract other then the raw materials.

FOR ELECTRICAL WORKS ONLY

36. The contractor shall at all times provide sufficient notice and caution board, lights and watchmen to protect and warn the public and guard the work. .
- (a) 90% payment of work done shall be paid after completion of work as Runing payment & Balance 10% of the work done shall be paid as final after satisfactory completion.
- (b) The security of the contractor shall be refunded only after 12 month of handing over of work to UPPCL.
37. The contractor will have to complete all the work with in the time allowed, but due to any unavoidable circumstances if the contractor require the extension of time, he will apply to the Executive Engineer/Asst. Engineer on inland letter through registered post given the full details of reason for granting of extension of time.
38. If the complete work of any portion there to be found to be defective or it fails to fulfil the requirements of the contract, the contractor shall forth with make the defects good. or after the same to make it to comply with the requirement of contract.
39. The contractor will also maintain first aid box, at the site of work and follow rules applicable to control from time to time as per direction of Engineer Incharge.
40. Rate full up in words and figure & considered only which ever is less.
41. All the Materials Supplied by Centrater after inspection of Concerning Officers.
42. No claim will be made to contractor for damage to work of material caused by rain any natural calamities or any other reason what so ever during the execution of the work and no such claim on this account shall be entertained. I/We have carefully read the above conditions and agreed to abide by them

J.E.

A.E.

Ex. En.

GHAZIABAD DEVELOPMENT AUTHORITY

GENERAL CONDITIONS OF CONTRACT

- (1) The Contract, means the documents forming the tender and acceptance there of and the formal agreement executed between the vice chairman Ghaziabad Development Authority, Ghaziabad and the contractor, together with the documents referred to there in, including these condition, the specification, designs drawing and instructions issued from time to time by the Engineer-incharge and all these documents taken to together shall be deemed to from one contract and shall be complementary to another.
- (2) In the contract the following expressions shall, unless the context otherwise requires, have the meanings herewith respectively assigned to them.
- (a) The 'Work' of 'Work' shall, unless there something either in the subject or context repugnant to such construction shall be construed and take to mean the work by, or by virtue of the contract contracted to be executed. Whether temporary of permanent, and whether original, altered substituted or additional.
 - (b) The 'site' shall mean the land and/or other places, on into or through which work is to be executed, under the contract any adjacent land path or steel through which work is to be executed under the contract, or any adjustment land path or street which may be allotted or used for the purpose of carrying out the contract.
 - (c) The 'Contractor' shall mean the individual or firm or company, whether incorporated or not, undertaking the works and shall include the Legal personal representative of such individuals or the personal composing such firm of company, or the successors of such firm of company and the permitted assigness of such individual or firm of company.
 - (d) The vice chairman shall mean the vice chairman Ghaziabad Development Authority, Ghaziabad his successors or assigness.
 - (e) The 'Engineer-Incharge' shall mean the Executive Engineer or the Assistant Engineer who shall supervise and be in charge ofthe work.
 - (f) The Executive Engineer shall mean the Executive Engineer, Ghaziabad Development Authority, Ghaziabad and incharge of the work.
 - (g) The 'Estimate Cost' shall means the cost of the work or works as estimated on the basis of the tendered rate or rates agreed to between the parties to contract.

The 'Development' shall mean the Ghaziabad Development Authority, Ghaziabad Words importing the singular number include the plural number and vice versa.

SECURITY DEPOSIT

Clause -1 : The contractor shall permit Government at the time of making any payment to him for work done under the contract to deduct 10 percent of all money as payable or account of security deposit until such deductions as along with the sum already deposited as earnest money to be adjusted in the last deduction bill amount.

Security will be deducted @ 10% flat rates on work done amount.

In the security is furnished in the form of guarantee bonds, the contractor undertakes to renew to furnish fresh guarantee to cover the period of time extensions, if any and failure on his part to do so shall be construed as a breach of this contract and, without prejudice to any other remedy provide in these conditions, the Engineer-incharge shall have the right to withhold payment and deduct the entire Security amount from any moneys becoming payable to the contractor.

The amount of the Security money shall, if not withheld on account of breach of contract, be refunded after six months of the date of the completion of the work or after payment of the final bill, whichever is later.

Provided that in case the payment of the final bill is not made within Twelve months of the completion of the work, 75% of the amount of the Security money can be refunded with the prior approval of the Vice Chairman.

All compensation or other sums of money payable by the contractor to authority under the terms of his contract be deducted from of paid by the sale of a sufficient part of his security deposit or from the interest arising therefrom or from any sums which may be due or may become due to the contractor by Authority or any account whatsoever, and the event of his security deposit being reduced by reason of any such deduction or sale as aforesaid the contractor shall within ten days thereafter makd good in cash or Government Securities, endorsed as aforesaid any sum or sums which may have been deducted, from or raised by sale of his security deposit or any part thereof.

COMPENSATION FOR DEALY

Clause-2: The time allowed for carrying out the work as entered in the tender shall be strictly observed by the contractor and shall be reckoned from the date on which the order to commence work is given to the Contractor. The work shall throughout the stipulated period of the contract be proceeded with all due diligence (time being deemed to be the essence of the contract on the part of the of contractor) and the Contractor shall pay as compensation an amount equal to one percent or such smaller amount as the Executive Engineer on behalf of the Authority (whole work shown by the tender for be final) may decide on the amount of the estimated cost of the whole work shown by the tender for every day that the work remains uncornmenced or unfinished after the proper dates. And further to ensure good progress during the execution of the work, the contractor shall be bound, in all cases in which the time allowed for any work exceed one month to complete one fourth the value of the whole of the work within.....; months from-the date of written order to commerce the work, one-half the value of the work within.....months from such date and three-fourths the value of the work within..... month from such date. In the event of the contractor failing to comply with this condition he shall be liable to pay as compensation an amount equal. To one percent or such smaller amount as the executive Engineer on behalf of the authority (whose decision in writing shall be final) may decide in the said estimated cost of the whole work for every day that the due quantity of work, remains incomplete Privied that before taking action under the clause the Executive Engineer on behalf of the authority shall have a notice of 15 days n writing to the contractor and provided always that the entire amount of compensation to be paid under the provision of this clause shall not exceed the maximum amount of security as specified in clause-1.

Clause-3 (1) The Engineer-in-charge on behalf of the Authority shall have the power, with out prejudice to have right against the contractor in any respect of any delay or inferior workmanship or otherwise or to any claims for damage in respect of any breaches of the contract and without prejudice to any rights or remedies under any of the provisions of this contract or otherwise and whether the date for completion has not elapsed by notice in writing, to determine the contract in any of the following cases.

If the Contractor having been given by the Engineer incharge a notice in writing to certify, reconstruct or replace any defective work or any work damaged by any reasons whatsoever or that the work is being performed in any ineffcient of otherwise improper or unworkman-like manner shall domit to comply with the requirements or such notice or if the Contractor shall delay or suspend the execution of the work so that either in the judgment of the Engineer-Incharge (Wice shall be final and binding) he will be unable to secure completion of the work by the date of completion or he has already failed to complete the work by that date.

- (a) If the contractor being a Company shall pass a resolution or the Court shall make an order that the company shall be bound up or if circumstances shall rise which entitle the court to or creditor to appoint a receiver or manager or which entitle the court to make a winding order.
 - (b) If the contractor commits breech of any of the terms and conditions of this contract order than those mentioned in Sub-Clause (a) above. (b) If the contractor commits any acts mentioned in Clause-21 her or.
- (2) When the Contractor has made himself liable for action under any of the cases aforesaid, the Executive Engineer on behalf of the Authority shall have powers to adopt anyone or more of following courses as he may deem best suited to the interest of Authority.
- (i) To determine or rescined the contract as aforesaid (of which termination or rescission notice in writing to the contractor under the hand of the Engineer-in-charge or communication through the Assistant engineer, shall be conclusive evidence) Upon such determination or rescission the security deposit of the Contractor shall be liable to be forfeited and shall be liable to be forfeited and shall be absolutely at the disposal of the Authority.
 - (ii) To employ labour paid by the Authority and to supply materials to carry out the works or any part of the work debting the contractor with the cost of the labour and the price of the materials (of the amount of which cost and conclusive against the contractor) and crediting him with the value of the work done in all respects in the same manner and at the same rates as if it had been carried out by the contractor, under the terms of his contract. The certificate of the Engineer-incharge as to the value of the work done shall be final and conclusive against the contractor provided always that action under this subsided also that it the expenses incurred by the "Authority are less than the amount payable to the Contractor at his agreement rates, the difference shall not be paid to the Contractor.,
 - (iii) After giving notice to the contractor to measure up the work of the Contractor and to take such part there of as shall be unexecuted out of his hands and to give it to another contract or to complete in which case any expenses which may be incurred in excess of the sum, which would have been paid to the original contractor if the whole

work paid been executed by him (of the amount of which excess the certificate in writing of the engineer incharge shall be final and conclusive) shall be borne and paid by the original contractor and may be deducted from any money due to him by the Authority under this contract and may be, deducted from any money due to him by the Authority under this contract and may be, deducted from any money due to him by the Authority under this contract or on any other account what so ever or from his security deposit or the proceeds of sales there of or a sufficient part there of as to case may be.

- (3) In the event of anyone or more of the course mentioned in Sub-Clause (2) above being adopted by the Engineer incharge the Contractor shall have no claim to compensation for any loss sustained by him by reason of his having purchased for procuree any materials or entered into any engagements or made any advances on account or with a view to the execution of the work or the performance of contract and in case action is taken under any of the provisions aforesaid, the contractor shall not be entitled to recover or be paid any sum for any work therefore actually performed under this contract unless and until the Engineer-incharge has certified in written the performance of such work and the value payable in respect there of and he shall only be entitled to be paid the value so certified. .

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GHAZIABAD DEVELOPMENT AUTHORITY

GENERAL CONDITIONS OF THE WORK

1. Tenders are advised to see the site of the work and be acquainted with the position of material condition contract drawing, modifications etc. if any, before tendering.
2. The work shall be carried out as per U.P.P.W.D. detailed specifications amended up to date upto amended and upto amended before tendering.
3. In giving rates tenders are advised to take into account Instruction in market rates, no claim will be entertained on this account acceptance of the tender and currency of the contract.
4. All entries by the tenderers should be in one hand. Erasures and over writing should be signed by the contractors.
5. Rates should be written in Figures as well as in words in the tender. In case of variation of rates written in words and in figures lower of the two will be accepted.
6. Quantities of works are subject to wide variation without any notice to the contractor in the event of variation in quantities of work, the contractor shall not be entitled for any compensation and tender rates accepted shall be mutandis applicable.
7. Conditional, incomplete, unsigned, or unwitnessed tenders shall not be entertained.
8. No more than one tender should be submitted by one contractors by one firm of contractors.
9. Under no circumstances will a father or his son or close relation or the partners of the firm be allowed to tender for the work as separate tender. Breach of this condition will render the tenderer of such tender liable to rejection and forfeiture to their earnest money or permanent security. Power of attorney on behalf of all other part partners members of the firm. In latter case a copy of the power of attorney attested by a Gazetted Officer must accompany the tender.
10. Provided that no tender from unregistered firms (as required under the registration of firm and societies act) shall be entertained. "
11. Tendered rated will hold good for three months from the date of opening the tender.
12. Contractor shall be bound to pay wages which shall notesess than fair wages in the locality. These minimum rates shall be fixed by the Vice-Chairman and in consultation with the District Magistrate.
13. Contractor shall be bound to give preference to ex-serviceman wherever available. The nearest sub regional Employment Ex-change may be consulted regarding availability of such persons. Carriage of materials to site stack and removal charges of any rejected materials. Sales Tax and other local Taxes payable to District Board or Municipal Board and water arrangement etc.
14. Conditions of General P. W. No. 9/Mannual-1 from - 79/80/81/82 will also be applicable.
15. An other book will kept at the site of the work in which instructions and order shall be recorded by the Engineer in Charge or his repersentive. The contractor, his authorised agent will be required to sign the order book daily in acknowledgement of the instructions and shall comply with the order and instructions giver in that book.

16. All receipts signed and issued by the contractors, their authorized agents whose name and specimen signatures should be furnished in writing of the Engineer Incharge shall be conclusive proof of delivery of materials.
17. No claim of extra payment shall be entertained on account of delay in supply of materials of machineries by the Authority.
18. The contractor must write correct and complete address in tenders and arrange to take delivery of all letters if any, letters received back undelivered it will be contractor's own responsibility and contractor shall be bound for auction as he may be required through the contents of such letter.
19. The contractor should attach with the tender list showing their qualifications, experience of work and financial status of firm.
20. Stamp duty as required on the contract deed will be borne by the contractor.
21. 75% secured advance can be allowed as per rules in financial handbook.
22. All measurements shall be done as per ISI rules and corrected up to date.
23. The final bill shall be prepared after three months from the date of completion of the work. In case the doors windows shutters are not supplied by the department.
24. A resolution has been passed in the meeting of Authority which is effective as follows:

Contractor shall be subject to pay up to 90% from the running bill. The rest of the 10% shall be paid at the time of final payment in accordance to rules regulations.

Assistant Engineer
G.D.A.

SECHEDULE 'C'

SL.	Description of Material	Rate
		In fig. in words
1.	Cement	@
2.	Steel	@

CONDITION FOR ISSUE OF MATERIAL

1. Above materials subject to availability will be issued from any GDA Godown Nehru nagar and nothing will be paid extra to him towards Cartage etc. of these materials.
2. The materials shall be issued during working hours except on holidays. The contractor shall satisfy himself about the availability of materials in store before arrangements for its cartage.
3. The labour for weight met or measurement of materials will supplied by the contractor at his cost on claim on this account will be entertained.
4. The GDA shall not be responsible for any loss due to the late supply of any materials, however suitable extension may be granted on this account.
5. All incidental charges for carriage, storage and state custody of materials issued shall be borne by the contractor.
6. Materials issued by the department, in case of misue excess use or 'damage by contractor after taking delivery. From store or the from the site will be charged at double the current stock issued rate.
7. The cement shall be kept in a water tight store with double lock arrangement one lock shall be of contractor and the other shall be of Authority. .
 - (a) Not more than 15 days requirement of cement will be issued at a time.
 - (b) 70% of empty cement bags shall be returned to GDA Store by the contractor. If he fails to return back the empty cement bags upto 70% of total issued to contractor Rs. 2/- per bag will be recovered for the same. All the bags to be returned to store by the contractor must be in good condition.

8. All receipt by the contractor's authorized agents whose name and attested signature shall be intimated to the Engineer-in-charge in writing shall be inclusive proof of the delivery of materials to the contractor.
9. Material drew in excess than the bonafied requirement of work shall be recovered at double the current stock issue rate.
10. The contractor can be allowed to return the unused material in good condition in stores at his own cost after proper permission.
11. All other materials may be issued to the contractor by GDA free of cost at site of work as and when required, the contractor shall be responsible for the purchase rate from the contractor's bill Local cartage of building material at site shall be done by the contractor at his own cost, if required.
12. In case of non-availabilities of cement in our stores the same shall be arranged by the contractor from market without extra claim.

Assistant Engineer

AGREEMENT

Tender invited by Executive Engineer-zone-8 G.D.A.
(Vikas Pradhikaran. Ghaziabad, U.P.)

Tender Notice No. 552/4/PA-T/2020-21

DATED: 18.03.2021, S.NO.-05

Name of Work - मोहन नगर चौराहे पर निर्माणाधीन फुट ओवर ब्रिज के एक्सकेलेटर के संचालन हेतु
कन्ट्रोल रूम व मीटर रूम का निर्माण तथा 100 के0वी0 के ट्रांसफार्मर की स्थापना

Amount of का कार्य।

Work: **8.83 Lac**

My Rates are % (In words) % above or below on BOQ rates.

In consideration of the G.D.A. having treated tender/to be on eligible person whose may be considered the tenderer hereby agrees to the conditions that he proposals to the above inviting shall not be withdrawn within three months from the date of opening of the tender, also to the condition that it after the tender the tenderer do with his proposal within the said period. Earnest money deposited by him may forfeited to the G.D.A. in the of the later and 1 hereby also agree that is subsequent to the submission of my tender not acceptable to the G.D.A. be deemed to have withdrawn any proposal. I/We have carefully read all specifications and agreed as required.

Sig. of Contractor

Signed this by:.....

Address.....

on Dated.....

Tel. No..... ..Fax No.....

Mobile No.....

Witness:

1.....Signed by.....

2.....Signed by.....

Important Note:

1) This agreement is to be signed with stamp paper of Rs. 100/-with Rs. 1/- revenue stamp should be affixed on it. This is to be submitted along with the tender failing which the tender is liable to be rejected.

(ii) Affected photo copy of 'A' class approved Electrical licence of U. P. Govt.

JE

AE

EE

Detailed Specifications of materials and Works for External Electrification

1. General: These specifications cover the requirements for installation testing and commission in of over-head line for L.T., H.T. Lines.
2. Poles: Over head line shall be supported on poles normally L.T. Line shall be constructed on 8.5.Meeters long PC.C. Pole/8.5to 9 Meters long & all steel tubular pole as per UPSEB specification and is code joist 1 00x116 mm or Rail support, considering the factor of safety as will as minimum ground clearance as per !.E.R. 1966 rule 76 & 77 respectively.

For earthing G.I. wire NO.8 SWG shall be embedded with projecting length of 150 mm to 300mm from top and 150 mm at 1350 mm from bottom. The pole shall conform to IS-1678-1960, IS-143-1960 and IS450/1964 (least addition/revision).

Two numbers holes of 18 mm dia for 'F' or 'L' Brackets shall be provided at the top of the pole. The centre 0 first hole shall be at a distance of 100 mm from top of the pole. The centre distance of two holes shall be 100 mm.

A part from above necessary lifting hooks may also be provided.

3. Erection : Normally 1/6th of the length of pole (minimum) shall be burried in the ground. This length of the poles shall be coated with black bituminous paint (in case of steel poles). The tubular poles shall be coated both sides internally & externally. The remaining portion of the pole Normally 1/6th to the length of pole (minimum) shall be buried in the ground of Poles this length of the poles shall be painted with one coat of red oxide on ils external surface. The pole shall be fixed over a stone paid of size 300x300x75mm size Grouting shall be done by cement concrete in the ratio of 1 : 4:8 (1 cement,4 fine sand 8 B.B.) not less than 20 cm thick Layer around from the center of the pole. The foundation being continued up to 3 cm above ground feyel from tea base of the support an tapered suitably into a collar. The foundation above the ground level will be finished by cement & fine sand mortar in raito of 1:4 (1 cement & 4fine sand). The excavated protion shall be filled back with earth and consolidated properly using the water. The cement concrete foundation shall be curred properly (painting of painting of pole & providing stone pad is not required for PC.C. poles).
4. Shackle Strap: It shall be galvanised steel of 130x32x3 mm/250x40x3 mm size with 18 mm dia holes for shackle insulator pins with G.I. nuts, bolts and washers.
5. L.T. Insulator: The conductor shall be supported on shackle type insulators. The insulators shall fixed directly on clamps. The minimum size of shackle insulator shall be 90 mm/115 mm dia and 75 mm/100mm high. The shackle insulator shall be complete with G.I. bolts washers etc. confirming to IS: 1445-1066.
6. Guard: The guard wire shall be of 6 SWG G.I. wire and shall required breaking strength and current carrying capacity of ensure rendering deal line without risk of the faceting of guarded wire. Suitable nos. of geared wire shall be 2 Mt. away from the pole & the girdle guarding shall be spaced across the span at an interval of 5 meter for cross lacing.

7. Transformer/s/ : Earthing shall generally be carried out in accordance with the requirement of Indian Electricity Rule 1956 as amended from time to time and the relevant regulation of electric supply authority concerned.
- S-Earthing : A-G1-plate of 600x900x6 mm size buried vertically for earthing with its top at least 6 mm below the ground level or upto the water level which end comes earlier with two nos 7/8 SWG G.I. earth wire connected with plate by means of G.I. nut bolt & washer from earth plate to the neutral of the transformer
- The earth shall be covered by 150 mm thick alternate layer-of salt and charcoal around the, electrode including the cost of all material 1. & P etc. required for proper completion or work.
8. Stap Set (a) : Supply & erection of stay set at least 305 m away from the pole complete with G.1. 16 mm dia, and 18 meter long stay rod, 162x152x7 mm anchor plate, thimble, stay clamp, stay insulator 19mm double screw tightner 7/8SWG G.I. stay wire etc. The grouting of the stay rod shall be done in cement concrete of size 30x30 cm. continued upto 1 meter in the ratio of 1 :4:8: (cement, fine sand, brick blast) including fixing of stay clamp nut bolt & binding nozzling and tensioning of stay wire etc.
9. Danger Board : It should be made of 14 SWG M.S. plate size 200x150 mm for 400 volts and 250x200 mm for 11 KV including drilling holes of suitable size for fixing the plate with suitable clamps/ Nut-Bolts washer anti shall be fixed where ever specified at a height of 3 M from ground.
10. Stone Pad : The size of stone pad shall be size 300x300x75 mm.
11. Fly Stay : Fly stay shall consist of same size & section of pole for which fly stay is to be constricted and will be grouted in the same manner as the PCC/steel pole grouted and specified in the specification of pole including stay set (As specified with fixing of M.S. flat clamp 50x6 mm. fly stay wire shall be size 7/8 SWG G.I. wire including two nos. Turn Bulcle, complete in all respect.
12. Double pole : The poles be a distance of 1800 mm centre/to centre and the straight M.S. Channel shall be 100x50 mm 7.9 kg./mm 4M long for cross arm, also for guarding M.S. channel size not less than 75x40 mm (5.1/8) 3.34 meter long with angle iron 50x50x6M (4.5kg/M) iron shall be made of 50x6 mm M.S. flat with Nut-Bolts washers etc. structure consists 3 Nos. 11 KV disc and fitting on cross arm. and two nos bolts 1x0x12 mm. size on guarding channel is to be provided. All the structure & fitting should be painted as per direction of E/Incharge.
13. Earthing of Poles : Earthing shall generally be carried out in accordance with the requirement of I.E.Rules 1956 as amended from time to time and the relevant regulation of the Electricity supply authority. The U.P.P.C.L. taking the following method of pole earthing. A 20 mm. dia 2.5 meter long G.I. rod buried in ground duty jointed with 7/6 G.I. wire, shall be connected with strip and will go up to the earth wire of ever head line contiguously.
14. Sturd Stay : A sturd shall generally consist of a pole of the same section which it supports or slightly lighter. It shall be chamferred at the top so as to rest on the pole squarely and shall be secured through bolt nut, chuck nut and washer or with the help or 2 Nos, 50x6 mm. M.S. clamps, it shall be buried in the ground to a deptt not less than 1/6th of length ofthe support in the same manner as the pole. At the G.I. the stud shall be at a distance not less than 1.8 meter from the pole.

15. Cross Arms for H.T. lines: The straight cross arms shall be made M.S. channel of size not less than 100x50mm The length of C.A. shall be not less than 1159 mm. The 'V' shape C.A. shall be made of M.S. channel of size not less than 75x40 mm (6.8 Kg./M) and shall accommodate two insulators with spacing of 1220 mm between the conductors. The cross arm for fixing insulator shall be not less 150 mm in which The height of both ends shall be 350 mm. The guarding channel shall be of 75x40 mm. (5/7 kg./M) size and 2240 mm in length for carrying the wire so that it runs not less than 480 mm beyond the outer most bare conductor. The size of nut-bolt used for fixing the cross arms and guarding channel etc. shall be not less than 5/8 size The arms shall be painted with red oxide primer before erection and finally painted with two coats of red post office/red signal paints.
16. Pole clamps: It shall be made of M.S. flat of size not less than 50x6 mm. clamp shall be completed with nuts, bolts, washer and insulator bolt etc. The clamps shall be painted with red oxide Primer before erection and finally painted with two coats of Alu. Paints.
17. 11KV Disc.: It shall be as per standard design of U.P.P.C.L. AND 4500 kg. to 7000 kg. mechanical strength.
18. Conductor: Aluminum conductor steel reinforced (A.C.S.R.) Dog Raccoon, Rabbit, Weqsel, Squirrel shall be used. The binding of conductor shall be done with 12 SWG soft aluminium conductors. .
19. Gourdings: The guard wire shall be G.I. wire NO.6 SWG or 7/16 G.I. wire and shall have required breaking strength and current carrying capacity to ensure rendering the line with out the risk of fusing of guard wire it shall be conducted with earth at each point at which its electrical continuity is broken. Suitable nos. of guard shall be provided.

J.E.

A.E.

E.E.



GHAZIABAD DEVELOPMENT AUTHORITY

BILL OF QUANTITY

Name of Work-- Const. of Control Room & Meter Room and Providing 100 KVA Transformer for Operating to Escalators of Foot Over Bridge at Mohan Nagar Crossing

S.No.	DESCRIPTION OF WORK	Qty	Rate	Unit	Amount
Item No.1	Excavation in foundation in ordinary Soil(Loam,clay or sand)including lift upto 1.50M. & including filling watering &ramming of excavated earth into the trenches or into the space between the building & the sides of the foundation trenches or into the plinth & removal & disposal of surplus earth as directed by the Engineer-in charge upto a distance of 30M. from the foundation trenches.[SI No.251(a)]	17.00	95.00	Cum	1615.00
Item No.2	Cement Concrete with 4 cm. guage approved stone grit,C. sand & cement in the proportion of 8:4:1 including supply of all material, Labour and T & P etc. required for proper completion of work .[SI. No.281]	23.90	5820.00	Cum	139098.00
Item No.3	M-150 Brick Work in one cement & four fine sand mortar in foundation & Plinth including supply of all material, Labour and T & P etc. required for proper completion of work. [SI.No.305]	9.60	4620.00	Cum	44352.00
Item No.4	2.5 cm. Thick D.P.C with cement & approved course sand 1:2 with & including water proofing as ordered by the Engineer incharge in the proportion as specified by the manufactured i/c supply of all materials,tools & plants etc. required for the completion of the work & including proper curing & shutterings as necessary.[SI.No.361]	8.50	330.00	Sqm	2805.00

Item No.5	Applying a coat of residual petroleum bitumen of penetration 85/50 or 85/25 of approved quality using 1.7 kg per sqm on damp proof coarse after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil. [SI.No.362+363]	8.50	110.00	Sqm	935.00
Item No.6	First class Brick Work in 1:4 cement & Fine sand of 1.25 F.M mortar for one brick thick wall in super structure including supply of all material, Labour and T & P etc. required for proper completion of work. [SI.No.305+309+310]	10.00	5210.00	Cum	52100.00
Item No.7	First class Brick Work in 1:4 cement & Coarse Sand of 2.20 F.M. mortar for half brick thick wall in super structure including supply of all material, Labour and T & P etc. required for proper completion of work. [SI.No.310a]	1.80	5590.00	Cum	10062.00
Item No.8	R.C.C Work with cement, approved coarse sand & 2cm. gauge approved stone grit in proportions of 1:2:4 (1 cement, 2 coarse sand, 4 stone grit) in lighter beams having span upto 6.0 mt. including necessary centering & shuttering excluding supply of reinforcement and its bending the for same with 24 B.W. G.G.G.I. binding wire.[SI.No.285]	1.00	8400.00	Cum	8400.00
Item No.9	R.C.C Work with cement, approved coarse sand & 2cm. Gauge approved stone grit in proportions of 1:2:4 in slabs excluding supply of reinforcement & its bending, but i/c its fixing & binding the same with 24 B.W.G.G.I. binding wire & including necessary centering & shuttering etc. & supply of all materials, labour, Tools & plants etc. required for proper completion of the work i/c cost of binding wire. The rate excludes making of drip course which shall be paid extra. [SI.No.284]	3.50	8150.00	Cum	28525.00
Item No.10	M.S. (tor steel or plain) in plain work such as R.C.C. or R.B. work i/c bending for proper shape & including supply of steel & its wastage, bend, hooks & authorized overlapping shall be measured & i/c cost of binding wire. [SI.No.504]	4.50	5600.00	Qtl	25200.00
Item No.11	M.S. or iron work in angle iron door and windows frames including cutting welding and wastage including supply of material, Labour T&P etc. required for proper completion of work. S.I. No. 502	30.00	56.00	Kg	1680.00

Item No.12	Same as in item no. 14 but openable panles of steel Z section window excluding Glass panes.[S..No.502B(ii)]	44.00	70.00	Kg	3080.00
Item No.13	12mm thick plaster with cement and fine sand of 1.25 F.M. mortor in 1:4 over brick work internal side. [Sl.No.584]	131.00	150.00	Sqm	19650.00
Item No.14	2cm thick plaster in dado or skirting in 1:2 consisting of one part of cement & two part of approved coarse sand laid in panels finished with 3mm floating coat of neat cement or cement mixed with marbile dust in ratio 5:1 including supply of all material,labour, tools&plants etc.required for completion of the work.[Sl.No.597]	3.00	220.00	Sqm	660.00
Item No.15	Extra labour and materials for plaster over rough face of one brick wall (S.I.No.596)	75.00	15.00	Sqm	1125.00
Item No.16	Earth Filling in Plinth Including cartage up to 1Km distance . (S.I.No.235a+261b)	5.00	98.00	Cum	490.00
Item No.17	Same as above in Item No.19 but for sand filling (S.I.No.255)	10.00	460.00	Cum	4600.00
Item No.18	Supply and fixing of 32mm thick flush Doors commercial quality conforming to I.S. 2202 Part 1(1983) including fixing of wooden cleats and stoppers and including fixing and adjustment of hinges bolts locks handles spring fitting with necessary screws to besupplied departmentally. (S.I.No.471a)	3.70	1400.00	Sqm	5180.00
Item No.19	2.5 cm. (1") thick 1:2:4 plain cement concrete floor with cement,approved coarse sand & 2 cm. (1")graded approved stone grit, laid in panels finished with 3 mm. (1/8") floating coat of neat cement & marble dust in ratio 5:1 as specified over & including Base Coccrete of 1:4:8 cement, Fine sand & Brick Ballast supply of all materials,labour tools & plants etc.required for proper completion of the work. [SI No.601]	33.20	540.00	Sqm	17928.00
Item No.20	Providing and fixing glass strips of 2.2cm depth4.00 mm (1/8 ") thickness in joints of floors and skirting at the time of laying ,i/c labour and tools & plants .etc. complete.[S.I.No.631(a)]	61.00	17.00	Rmt	1037.00

Item No.21	Distemping two coats with oil bound distemper of app. Quality and manufacture and of required shade on undecorated wall surface to give an even shade over and including a priming coat with cement primer of app. Brand and manufacture such as Berger, J&N etc. after thoroughly brushing the surface free from mortar dropping and other foreign matters and also including the surface even with plaster of paris or app. synthetic materials .(S.I. No.649+650)	84.00	69.00	Sqm	5796.00
Item No.22	Finishing wall with water proof cement paint of approved make and quality on new surface with three coat to give an even shade including supply of all materials Labour,Tools & plants etc. required for proper completion of the work.[S.I. No. 660+661]	85.00	60.00	Sqm	5100.00
Item No.23	Supply and fixing of 3mm thick window glass panes of approved quality including supply of putty etc completion of required for proper completion of the work.(S.I.No.806)	6.00	480.00	Sqm	2880.00
Item No.24	P/F of hexagonal fan box with hexagonal side of 80mm dia of 16 swg sheet.(S.I.No. 1149/2009 of Elec.)	6	50.00	Each	300.00
Item No.25	Approximate cost of ISI marked Aluminium fitting with screw for door & window etc. (for estimate purpose only).[SI.No.474]	7.00	500.00	Sqm	3500.00
Item No.26	Painting or varnishing work in small areas or new wood work with one coat(upto one square metre of ready mixed paint and two coat of approved superior quality ready mixed paint including supply of all Materials,labour,tools & plants etc. required for proper completion of the work.Paint to be used should confirm the ISI no.103-1950 [SI No.641+642]	1615.00	84.00	Sqm	135660.00
Item No.27	Same as item no. 30 but in large area.(644+645)	8.50	74.00	Sqm	629.00
Item No.28	Providing and Laying "brick coba" 12mm thick laid with M-150class brick bat coba 750cm thick with gap of 15mm to each other, over 20mm thick base of cement mortar 1:4 cement and coarse sand mixed with water proofing compound spreading cement slurry mixed with aerelic cement concrete water porrfing compound filled gaps of coba & top of coba mortar mixed with water proofing compound. (New ITem of Chapter Eleven)	21.00	900.00	Sqm	18900.00

Item No.29	Screeding over leaky roofs with bitumen paint at 10 lbs.per 100 sq ft or 1 lb per sq metre. i/c sweeping,cleaning the roof with brushes,heating of the paint up to the required temperature,pouring it on the surface,spreading of necessary quantity of approved coarse sand at 1 cft per 100 sft and including supply of all materials,labour Tools & plants etc.required for proper completion of the work. .[SI.No.543]	21.00	40.00	Sqm	840.00
Item No.30	S/f of 11cm (4") internal dia P.V.C. Down pipes Kissan or supprime make complete with bends with doors at top and plain at bottom and grantings and including supply of necessary M.S. clamp 2.5cm x 3mm (1" x 1/8") fixed to walls with and including supply of 15 cm (6") long 6mm. (1/4") dia nail and all materials, labour and T and P etc. required for proper completion of the work and also including repair of plaster pointing etc. if damaged during fixing of the pipes.(S.I.No.730a)	9.00	310.00	Rmt	2790.00
Item No.31	Engraving lines in plaster of outer face wall vertically and horizontally to display the surface as stone facing as directed by Engineer –in-charge,including supply of all material,labour, tools&plants etc.required for completion of the work.(Add for extra labour to all items of plaster)[SI.No.598]	127.00	26.00	Rmt	3302.00
Item No.32	Supply of solvent cement for fixing of P.V.C. pipe.(App. Rate)	2.00	150.00	Liter	300.00
Item No.33	Making Gola of 75x75mm size with Cement Conc. in 1:2:4 cement, C.sand & 20mm stone grit as per D.S.R. Schedule I.No.12.21.1	22.00	147.00	Rmt	3234.00
Item No.34	6mm thick ceiling plaster on R.C.C. with 1:4 cement and fine sand mortar including supply of all material, labour and t & P etc. for proper completion of work.(app. rate)	26.50	122.40	Sqm	3243.60
Item No.35	Cement Concrete with 2 cm.gauge approved stone grit,coarse sand & cement in the proportion of 4:2:1 i/c supply of all materials,labour T&P etc. required for Proper completion of the work.[SI.No.279(a)]	21.50	7000.00	Cum	150500.00
	<u>ELECTRICAL ITEMS</u>				

Item No.1	Wiring point for light with 1.5 sq.mm. for PVC insulated multistrand single core copper conductor cable in heavy gauge PVC conduit pipe partly concealed in slab and partly concealed in wall complete with 14 SWG copper earth continuity wire piano type switch and ceiling rose/angle button holder on 3 mm thick phenolic laminated back light sheet etc. complete in all respect as directed by engineer-in-charge (S.I.138C/2010)	9.00	610.00	Each	5490.00
Item No.2	Wiring point for Plug with 1.5 Sq. mm. FR PVC insulated multistrand single core copper conductor cable in heavy gauge PVC conduit pipe partly concealed in slab and partly concealed in wall complete with 14 SWG copper earth continuity wire piano type switch and ceiling rose/ angle button holder on 3 mm thick phenolic laminated back light sheet etc. complete in all respect as directed by engineer in charge (S.I.141C).	5.00	327.00	Each	1635.00
Item No.3	Wiring point for fan/Fresh air Fan/Light duty exhaust fan with 1.5 Sq.mm. for PVC insulated multistrand single core copper conductor cable in heavy gauge PVC conduit pipe partly concealed in slab and partly concealed in wall complete with 14 SWG copper earth continuity wire piano type switch and celing rose/angle button holder on 3 mm thick phenolic laminated back light sheet etc. complete in all respect as directed by engineer in charge. (S.I.No.140-C).	4	671.00	Each	2684.00
Item No.4	Supply and fixing of power plug with 15A/250 volt flush type switch and 5 pin 15A/250 Volt flush type universal socket in suitable MS box of 176 mm x 100 mm size with phenolic laminated bakelite sheet cover 3 mm thick with brass machine screw and cup washer (SI No.1139).	6	340.00	Each	2040.00
Item No.5	Supply and fixing of surface/flush mounting 8 ways SPN distribution board with 4 Nos. 6/16A MCB, 1 No. 32A DPMCB & 2 No. SPMCB blanking plate complete in all respect as directed by E/I (S.I. No. 1024 A).	1	1470.00	Each	1470.00

Item No.6	Supply and wiring of sub main with 2 Nos.2.5 sq.mm. PVC insulated 1100V grade multistrand single core copper conductor cable in 20 mm dia. Heavy duty PVC conduit with 1 No.1.5 sq.mm FR PVC insulated conductor 1100V grade with multistrand single core copper conductor as earth continuity wire. (S.I. No.1304C).	15.00	133.00	Rmt	1995.00
Item No.7	Supply and fixing of 32VA I.C. cut out of approved make of meter board complete in all respect (S.I.No.1112).	2	100.00	Each	200.00
Item No.8	Supply and Intallation of 100 KVA Transformer 11KV/433V Aluminium wound oil cooled BEE level 2 IS 2026 & IS 1180 marked confirming all relvent IS specification to be followed of app. Quality and app. Make including supply of all mateeial,labour and T & Petc. Required for proper completion of work.	1	162000.00	Each	162000.00
	Total				883010.60