

INDIRA GANDHI INSTITUTE OF TECHNOLOGY, SARANG,  
DHENKANAL



**TENDER DOCUMENT**

**INTERIOR WORKS FOR TRAINING AND PLACEMENT CELL OF IGIT  
SARANG**

**(Estimated cost. Rs. 1,55,61,277.00)**

*C. M. D.*  
24/02/2024

**OFFICE OF THE DIRECTOR, IGIT, SARANG, DHENKANAL-759146**

**TENDER CALL NOTICE**

Bid Identification No. 15 T/EM/104

Date. 12/03/2024

The Director, IGIT, Sarang invites sealed percentage rate bids in single cover system in off line mode conformity with detailed terms & conditions from the Registered firm contractors registered with the State/ Central Govt. for having experience in similar nature of works.

The DTCN can be downloaded from the Institute website i.e. [www.igitsarang.ac.in](http://www.igitsarang.ac.in).

Particular's of works.

| Sl.No. | Name of the work                               | Approximate Estimate cost in Rs. | EMD in Rs.  | Eligibility of Contractor | Time of Completion | Cost of Tender Paper(Non Refundable) |
|--------|--|----------------------------------|-------------|---------------------------|--------------------|--------------------------------------|
| 1      | Interior Works for Training and Placement Cell | 131,87,523.00<br>Excluding GST   | 1,31,875.00 | Regd. firm                | 2 month            | 10,000.00                            |

The bidder has to deposit the bid cost in shape of Demand Draft/Institute Money Receipt & EMD in shape of Demand Draft/ NSC/KVC/POTD duly pledged in favour of Director, IGIT , Sarang and drawn in SBI Sarang.

- 1. Availability of Tender Paper** :- Institute website [www.igitsarang.ac.in](http://www.igitsarang.ac.in).
- 2. Mode of Submission of Tender** :- Tender shall be submitted in the office of Director, IGIT Sarang through Regd/Speed post only or on before **24.04.2024 up to 04.30 P.M.**
- 3. Date of opening of Tender Paper** :- To be intimated later.

Corrigendum if any shall only be published in the Institute website.

Authority reserves the right to reject any or all the tenders without assigning any reason thereof

Copy to:- 1. Institute Notice Board.

2. Accounts officer for information.

3. Dr. Gaurov Ghosh Officer I/C Institute website with a request to publish the notice along with detail tender document in the institute website.

  
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## Terms & Conditions

1. The tender is to be super scribed with the name of the work tendered for.
2. Registered firm can download the tender documents from the Institute website i.e [www.igitsarang.ac.in](http://www.igitsarang.ac.in).
3. The Tender shall be accompanied by EMD for an amount mentioned for each work in shape of D.D/NSC/Postal saving pass Book /Post office Time Deposit/Kishan Vikash Patra/Deposit receipt in Nationalise Bank only. Duly pledged in favor of Director IGIT Sarang without attested copies of valid ITCC/PAN Card/GST Clearance Certificate & license. The tender is liable for rejection. The tenderer shall furnish an affidavit at the time of submission of tender paper about the authentication of tender document.
4. The Tender shall be received in the office of Director in all working days during office hour on or before **24.04.2024 till 04.30 P.M** excepting holiday. The tender opening date will be intimated later . If any of above dates will be declared as the Govt holiday then the next working day shall be considered for opening of the tender respectively.
5. The tender will be received in the Office of the Director IGIT Sarang within the stipulated date and time and also by registered post/Speed Post. The tender shall be submit the required documents in a sealed cover subscribed with the name of Work only and it shall be ensure that the name of firms/bidder shall not be written anywhere on the sealed cover.
6. The tender received after due date and time shall not be entertain and the authority shall not held responsible for delay/ missing of tender during transit.
7. Any bidder backs out before acceptance of the tender the EMD along with the other deposit deposited by him will be for fitted.
8. Engineering contractors during intending to avail the exemption facility of EMD should apply specifically their application with an affidavit and submit the same with tender documents. He should also produce original contract license at the time of opening of tender document to make necessary entry to that affect as such facilities are limited to their participation in the tender during a financial year, otherwise the tender will be rejected on the spot during opening of the tender.
9. Conditional tenders shall be out rightly rejected the authority reserves the right to the reject any or all tender without assigning any reason thereof.
10. No telegraphic / fax tender shall be entitled.
11. Joint venture consortium agreements are not allowed to Participate in Tender.
12. SC/ST Contractors desires of availing preference should submit on original Affidavit in support of caste and attested copy of caste certificate. Otherwise their Tender will be liable for rejection.
13. Estimated cost excluding 18% GST.

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## Detail Tender Call Notice

1. Sealed tender are invited from the registered firm of State/ Central Govt. in prescribed form to be eventually drawn in OPWD form P-1 and will be received through registered / speed post only at Director Office IGIT Sarang on or before **Dtd. 24.04.2024 till 04.30 P.M** (excepting Govt. Holidays) for the works and will be opened before the tender committee in the presence of the tenderers or their authorized representative.
2. The tenderers should please note that work will have to be completed within one month commencing from the date of issue of work order. Tenderers are required to submit detail programmed about execution of work.
3. Tenderer are required to pay earnest money @ 1% of the estimated amount i.e Rs.1,31,87,523/- either in shape of Bank Draft /N.S.C/Postal Time Deposit Pass Book/Deposit Receipt of Nationalise Bank duly pledged in favour of Director IGIT Sarang otherwise their tender will not be considered.

The earnest money will be refund to the unsuccessful tenderers on application as per the term and condition laid down in OPWD Code and the same will be refund in case of the successful tenderers and will not carry any interest after complication of work.

4. (a)The tender must be submitted in a single sealed cover through registered/speed post only. The name of the tenderer shall not be written anywhere on the sealed cover only the name of the work are to be super scribes on the cover.  
(b) The organization will not be held responsible if there is any delay in receipt of tender documents by any intending contractor send through registered/Speed post office.
5. The Director, IGIT, Sarang reserves the right to reject any or all the tenders received without assigning any reasons thereof.
6. The tenderer whose tender is selected for acceptance shall within a period of seven days from opening date written information being given to him of acceptance of his tender make an initial security deposit @ 1% (One percent) of the tendered amount. So that the earnest money and initial security deposit will be 2% of the tendered amount and sign the agreement in the P.W.D. From no p1 for the due fulfillment of contract of the Director, IGIT, Sarang.

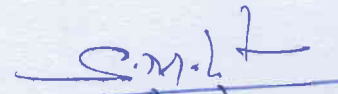
The security deposit together with the earnest money and the amount withheld according to the provision of P1 agreement shall be retained as security deposit for the fulfillment of this contract. Failure to enter into the request agreement and to make the security deposit as above shall entitle forfeiture of the earnest money. No tender shall be finally accepted until required amount of security money is deposited. The written agreement to be entered into between the contractor and the Director, IGIT, Sarang Shall be foundation of right the parties and the contract shall be deemed to be incomplete until the agreement has first been signed by the contractor and then by the Director or authorize to enter into the contract behalf of the Institute. The department will accept the security deposit in the shape of D.D/N.S.C/N.D.C/Postal Time Deposit Pass Book duly pledged to Director, IGIT, Sarang.

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7. The rate should be quoted in word and figures and the units in word otherwise the tender will be liable for rejection. In case discrepancy between word and figures the word shall prevail and in case of discrepancy between unit rate and total the unit rate shall prevail. The rates should be quoted in Rupees and Paisa, but not in Rupees and annas. The tender shall be written legible and free from erasures, over writing's or conversation of figure. Correction where unavoidable should be made by scoring out initialing dating and rewriting. The tender should also show total of each page and grand total of hole tender.
8. The contractor shall be responsible for payment of all royalties or other charges for quarrying materials. All local taxes inclusive of GST & Income Tax. Ferry & Tollage charges and Ontario Taxes are to be paid by Contractor.
9. The tender may not be considered unless accompanied by attested copies of GST certificate, non assessment certificate as the case may be and the original certificate produced before the Director, IGIT, Sarang at the time of opening of the tender.
10. If the contractor removes any materials or stock so supplied to him from the site of work with a view of disposing of the same dishonestly.
11. The contractor should be fully liable to indemnify the department for payment of any compensation under Workman compensation Act. V11 of 1023 on account of the workmen being employed by him and the full amount of compensation paid will be recovered from the contractor.
12. Every tenderer must examine the detailed specification of OPWD before submitting his tender. The right reserved without impairing the contract to make such increase in the quantities or item of work mentioned in the scheduled attached to the tender notice as may be considered necessary to complete the work fully and satisfactory. Such increase or decrease shall in no case invalidate the contract or rates. It shall be definitely understood that the Institute do not accept any responsibility for the correctness or completeness of the quantities shown in the schedule. The schedule is liable to alteration by omission or addition or deduction and such omission deduction shall in no case invalidate the contract and no extra monetary compensation will be entertained.
- Institute will not supply any materials what so ever for the work. The tenderer shall be financially solvent and stable for advance procurement of all materials required for the work vide Government of Odisha Finance Department Memo No:-48443/F Code 46/95 dated 11.12.1995.
13. All reinforced & cement confirm to OPWD standard specification & should be grade M 150 and M 200 equivalent to normal proportion 1.24,1:1,5:3 having minimum compressive strengthen in work test of  $150\text{Kg}/\text{Cm}^2$  / $200\text{ Kg Cm}^2$  in 15 Cm cubes in 28 days after mixing and test conducting in accordance with 1:S-456 & 516 using 12mm to 20mm. Size hard black crusher broken granite chips.(20mm size not to exceed 25% )

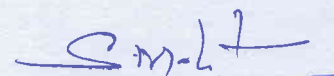
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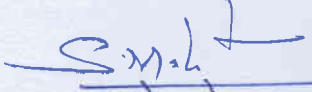
14. Shuttering & cantering shall be with seasoned non-sal wood planks and the inside of which shall be lined suitable sheeting and made leak proof and water tight or alternatively steel shuttering and cantering may be used.
15. For the purpose of jurisdiction in the event of dispute if any the contract should be deemed to have been entered into within the State of Odisha and it is agreed that neither party to the contract at any place outside the State of Odisha.
16. Percentage rate contract (vide Works Department letter no. 8310 dt. 17.05.2006.) In case of Percentage Rate tender:-
- i. The contractor has to quote percentage excess or less over the estimated cost in the Price Bid appended to the tender document.
  - ii. In the contract P.I time is the essence the Contractor is required to maintain a certain rate of progress specified in the contract.
  - iii. The quantity mentioned can be increased or reduced to the extent of 10% for individual items subject to a maximum of 5% over the estimated cost. If it exceeds the limit stated above prior approval of competent authority is mandatory before making any payment.
  - iv. The period of completion is fixed and cannot be altered except in case of exceptional circumstances with due approval of competent authority.
  - v. Bills for percentage rate tenders shall be prepared at the estimated rates for individual items only and the percentage excess or less shall be added or subtracted from the gross amount of the bill.
17. After the work is finished all surplus materials and debris are to be removed by the contractor and preliminary work such as vats. Mixing platform etc, are to be dismantled and all the materials are to be removed from the site. The ground up to 1.5m wide from the building should be cleared and rough dressed. No extra payment will be made to the contractor on this account. The rate quoted should be inclusive of all these items.
18. The contractor shall not interface with the execution of water supply or electrical fittings arrangement and any other works entrusted to any other agency by the departmental at any time during the progress of the work.
19. The department will have the right to inspect the scaffolding and cantering made for the work and can reject partly or fully such structures if found defective in their opinion.
20. The contractor will have to arrange for water supply for all works and make sanitary arrangements at this own cost for his labour camps. Contractor has to arrange adequate lighting arrangements for night work whenever necessary at his own cost.

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21. All the quantities mentioned in the schedule are combined for ground floor and multi floors increase multi storied building the rates should be through for the same unless otherwise mentioned in the schedule of quantities for individuals items.
22. Cement concrete in roof slab beams etc. Where ever prescribed by the engineer in charged shall be machine mixed and vibrate and the contractor should arrange his own concrete mixers, vibrators and pumps etc. for the purpose.
23. It should be understood clearly that no claim what so ever will be entertained.
24. The tenderer shall have to abide by the CPWD safety code rule introduced by the Government of India Ministry of works. Housing and supply in there standing order No.44 to 50 dated. 25.11.1957 which can be seen in the office of the Director, IGIT, Sarang. during working hours & days.
25. Tender are required to abide by the fair wage clauses as introduced by the Government.
26. The contractor will be responsible for the loss or damaged of any departmental materials equipment's supplied to him under clauses 13.30 and 32 during execution of the work due to reason whatsoever and cost of such materials will be recovered from him at prevailing stock issue rates plus storage charges or market rate whichever is higher.
27. The contractor should arrange at his own cost necessary tools and plants machines concrete mixer & vibrators and other machineries such as pump etc. required for the efficient execution of the work and rates quoted should be inclusive of the running charged of such plant and cost of consumable.
28. The contractor will have to submit to the Director, IGIT, Sarang monthly return of labour both skilled and unskilled employed him on the work.
29. The tenderer are required to go through each clause of OPWD form No-P1 carefully in addition to clauses mentioned herewith before tendering.
30. No part of the contract shall be sublet without writing permission of IGIT Sarang or transfer is made by power of attorney authorizing other to receive payment on the contractor's behalf.
31. If further necessary information is required Director, IGIT, Sarang will furnish such, but it must be clearly understood that the tenders must be received in order and according to the institutions.
32. Cement shall be used by bags and weight of cubic meter of cement being taken as 14.42 qtl.
33. No contractor will be permitted to furnish their tenders in their own manuscript papers.
34. The following clauses have been revised / substituted as per Works Department Office memorandum No.12366 dtd.08.11.2013 De tails can be seen in the website: [www.igitsarang.ac.in](http://www.igitsarang.ac.in).

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- (i) Every bidder is expected before quoting his rate to inspect the site of the proposed work. The bidder should also inspect the quarries and approach roads to quarries and satisfy himself/themselves about the quality and availability of materials. In every case the materials must comply with the relevant specifications. Complaints at future date that the availability of materials at quarries has been misjudged cannot be entertained.

Amendment to Para. 3.4.16(a)(vii) of OPWD Code Vol.1 by substitution.

- (ii) For the purpose of estimate the approved quarry lead is to be provided judiciously. Engineers in charged would be responsible for ensuring the quality of the materials supplied. The contractor would however be responsible for procurement of materials from authorized sources and voluntarily disclose the source of procurement for the purpose of billing. Besides the bidder would be required to submit the details of quarry for procurement while submitting the bids.
35. Institute will not pay any extra Charges for lead or any other reason in case the contractor is found later on to have misjudged the materials available after acceptance of contract.
36. All fittings for doors and windows if supplied by the contractor should be of best quality and should be got approved by Director, IGIT, Sarang before they are used on the work.
37. The tender containing extraneous conditions not covered by the tender call notice are liable for rejection.
38. (a) The contractor shall have to furnished a certificate in the prescribed Proforma enclosed herewith along the tender to effort that he is not related to any officers of IGIT Sarang.

(b) **CERTIFICATE OF NO RELEIATIONSHIP**

I/ We hereby certify that I/ We are / are not related to any officers of IGIT Sarang I/ We am /are also aware that if the facts subsequently proved to be false my / our contract will be rescinded with the forfeiture of E,M.D. and total security deposit and I/ We shall be liable to make good of the loss or damage resulting from such cancellation.

I/ We also note that incase of non-submission of this certificate with tender my /our tender is liable for rejection.

Date.....

Signature of Tenderer

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39. All the tenders received will remain valid for a period Sixty days from the date of receipt tenders. The period of validity can also be extended if agreed to by the Department and the contractor.
40. After completion of the work the contractor shall arrange at his own cost all requisite equipment for testing building if found necessary and bear the entire cost of such test.
41. Tenderers required to submit a list of works in their hand in the prescribed proforma herewith. (b) list T&P (c) List of works executed in their prescribed proforma enclosed herewith along with the tender.
42. GOVERNMENT OF ORISSA FINANCE DEPARTMENT

1. (Memo No:-48443/ F- Code-46/95 Dated 11.12.1995 regarding Discontinuance of the system of procurement of stock by Engineering Departmenting ..).

X

X

X

2. With a view to avoiding these situations Govt. have been pleased to decide that with effect from 01.04.96 there will neither purchase of department store materials nor booking of materials of materials to show utilization of budgeted provision. It will be the responsibility of the contractor to purchase store and utilize them in the work since materials like cement, steel etc. are easily and abundantly available at place, there will be no difficulty for contractors to procure the same. Therefore the future agreement with the contractors shall be executed accordingly and necessary modification to the agreement from may be made. In case where agreement have already been executed for department supply of materials. Efforts should be made to fulfill the same by utilization to the existing stores and also through inter divisional and even inter department transfer of stores. For utilization of the surplus materials, agreements may however be made for supplying of materials to the extent available. In this way the existing materials should be exhausted.

3. Maintenance work should be undertaken by purchasing materials in case of departmental execution of work by directly charging to site account or through contractor. There should not be advance purchase of materials for the sake of storing and utilizing the same in future works.

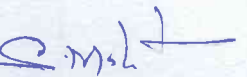
4. Consequent upon introduction of the new system the Engineer-in Charge of the work will have to exercise strict quality control and ensure that materials used by the contractor conform to the standard specifications.

X

X

X

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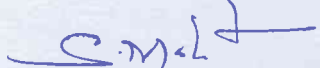
5.(a) Certificate of list of works in hand.

I / We do hereby certify that a present the following works are in my / our hand & work order to be attached.

| Sl No | Particular of works now in hand. | Amount of each work. | Period in which the work is stipulated to be completed (in month) | Approximate value of work done against each work on the date of submission of Tender | Department under which the work is being taken up. |
|-------|----------------------------------|----------------------|---|--|--|
| 1     | 2                                | 3                    | 4   | 5  | 6  |
|       |                                  |                      |   |  |  |

I / We also note that, non submission of the certificate will render my / our tender liable for rejection.

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(b) CERTIFICATE OF THE LIST OF T & P

I / We do hereby certify the following tools and plants. Machineries and vehicles are in my / our possession in working orders and copy of purchase bill to be attached.

(i)

(ii)

(iii)

(iv)

(v)

(vi)

(vii)

I / We also note that, non submission of the certificate will render my / our tender liable for rejection.

Date.....

Signature of Tenderer

(c) CERTIFICATE OF THE LIST OF WORK EXECUTED

I / We do hereby certify the following work have been executed by me / us in the past & work order to be attached.

| Sl No | Particular of works already executed | Approximate amount of each work. | Name of the department under which the works executed | Period of commencement and period of completion | Whether the works were completed in stipulated period. |
|-------|--------------------------------------|----------------------------------|---|---|--|
| 1     | 2                                    | 3                                | 4   | 5   | 6  |
|       |                                      |                                  |   |   |  |

I / We also note that, non submission of the certificate will render my / our tender liable for rejection.

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- 43 . All reinforced cement concrete works like lintals, column, beam, chajja, roof slab and other such works should be finished smooth and no extra charges for plastering if required shall be paid by the department.
- 44 . At their opinions quote reasonable rates for each item of the work carefully so that the rate for one item should not be unworkably low and others too high.(Also see clause 60)
45. The tenderer shall bear cost of various incidental sundries and contingencies necessitated by the work falling within following or similar category.
- a. Rent, royalties and other charges of materials octroi duties all other taxes including GST ferry/tools conveyance charges and other cost on account of land and building including temporary building required by the tenderer for collection of materials storage housing of staff or other by the tenderer for purpose of work. No rent will however be payable to Institute for temporary occupation of land or owned by Institute at the site of the work.
  - b. Labour camps and huts necessary to suitable scale including conservancy and sanitary arrangements there on to the satisfaction of the local health authorities.
  - c. Suitable water supply including pipe water supply wherever available for the staff and labour as well as for works.
  - d. Fees & dues hired by Municipal, Canal and water supply authorities.
  - e. Suitable equipments and wearing apparatus for the labourers engaged in risky operation.
  - f. Suitable fencing barriers signals including paraffin and electrical signal where necessary at works and approaches in order to protect the public and employees from accidents.
  - g. Compensation including cost of any suit for injury to persons or property due to neglect of any major precautions also sums which may become payable due to operation or Workmen's compensation Act.
  - h. The contractor has to arrange adequate lighting arrangements for night works wherever necessary at his own cost.
  - i. The contractor has to arrange all the building materials including the equipment required for under reamed pile foundation for starting the work.
46. The prevailing percentage of I.T Department of the gross amount of the bill and surcharges as applicable will be deducted from the contractor's bill towards income tax.
47. The prevailing of GST on the gross amount of the bill will be deducted from the contractor's bill.
48. Under section 12 of the Contract labour regulation & abolition Act 1970 the contractor who Undertakes execution of work through labour should produce valid license from licensing authority of labour department.

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49. The Fly Ash should be of good qualities. The Brick should be approved by the Engineer-in charge before use in the work and should confirm the minimum strengthen as per national building code.
50. When department machinery will be utilized in the work by the contractors necessary and prevailing hire charges as fixed by the departments will be recovered from the contractor who may see the hire charges of the machinery in the office of the Director, IGIT, Sarang.
51. Under no circumstances interest in chargeable for the dues or additional dues. If any payable for the work.
52. If the contractor quotes abnormally low rates for some items and the department decides to accept the tenders then the department would have the discretion of withholding he differential cost between the amount of low rated items and corresponding estimated amount from their payment due against other item till such low rated items are completed in full an as approved specification.
53. The following clauses have been revised/ substituted as per works Department Office memorandum No.12366 dtd. 08.11.2013. Details can be seen in the website <http://tendersodisha.gov.in>.

i. Amendment to Appendix-IX, clause -36 of OPWD Code Vol-II by inclusion. If the rate quoted by the bidder is less than 15% of the tendered amount then such a bid shall be rejected and the tender shall be finalized basing on merits of rest bids. But if more than one bid is quoted at 14.99% (Decimals up to two numbers will be taken for all practical purposes) less than the estimated cost the tender accepting authority will finalize the tender through a transparent lottery system where all bidders /their authorized representatives will remain present.

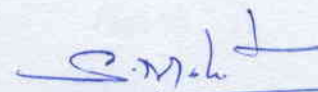
ii. Additional Performance security'

Additional Performance security in case of abnormally low bids to be fix as per the following rate.

| Sl. No | Range of difference between the estimated cost put to tender and bid amount. | Additional performance security to be deposited in the successful bidder. |
|--------|--|---|
| 1      | Below 5%   | No additional performance security  |
| 2      | From 5% and above and below 10%  | 50% of difference between estimated cost put to tender and Bid amount     |
| 3      | From 10% and above   | 150% of Different between estimated cost put to tender and Bid Amount     |

If the Contractor fails to complete the work the amount so furnished as additional performance security will be forfeited in addition to the other penal clauses, if any to be imposed.

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(A) Amendment to Para 3.5.5(V) of all Note-III of OPWD Code Vol-I by modification. For availing Incentive Clause in any project which is completed before the stipulated date of completion. Subject to other stipulations it is mandatory on the part of the Director. IGIT Sarang to report the actual date of completion of the Project to so that the report is received within 7 days of such completion by Director, IGIT Sarang.

The incentive for timely completion should be on a graduated scale of 1(one) percent to 5 (Five) percent of the contract value. Assessment of incentives may be worked out for earlier completion of work in all respect in the following scale.

Before 30% of contract period=5% of Contract value

Before 20% to 30% of contract period=4% of Contract value

Before 10% to 20% of contract period=3% of Contract value

Before 5% to 10% of contract period=2% of Contract value

Before 5% of contract period=1% of Contract value

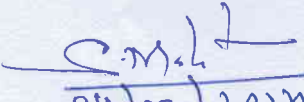
54. Affidavit to be furnished by the contractor at the time of submitting of Tender about the authentication of Tender documents including Bank Guarantee.

An affidavit shall be furnished by the contractor at the time of submission of Tender papers about the authentication of Tender documents including Bank Guarantee.(vide Got. Of Orissa, works department Code.-14/2004-9414, dt.08.06.04 concurred by Law Department, vide their U.O.R no.-1242, dt.05.08.03 and No.193/WF-1 dt.04.03.04 respectively).

55. Clauses for side engineer and road furniture etc. in DTCN/Agreement. In works department letter No. 10407, dt.25.06.2004 the agency executing major works should possess fully fledged field laboratory for testing of the quality of the work. Under the same clause the following provision is to be made as per works department No.12351/w. dated 23.07.2004.

56. The Tenderer must have a minimum turn-over of Rs.1.5 core for the year 2022-23.

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DIRECTOR



**SCHEDULE OF QUANTITY & ABSTRACT OF COST**

Name of the work:- "Interior Works for Training and Placement Cell".

Estimated cost:- Rs.1,31,87,523/-

| Sl.No. | Description of Item   | Unit | Quantity | Rate     | Amount     |
|--------|---|------|----------|----------|------------|
|        | <b>INTERIOR WORKS(PART-A)</b>   |      |          |          |            |
| 1      | Applying 2 (Two ) coats of Painting with Plastic emulsion paint (asian & Burger) of approved make and shade over a coat of primer in all floors and at all heights to the interior surface of the wall to make an even finished surface including sand papering, including cost, conveyance, loading, unloading, stacking, taxes of all Materials, cost of all Labour, Scaffoldings, Staging, Sundries, T&P etc. required for the work complete as directed by the Engineer -in - charge.(Second floor)   | Sqm  | 410.99   | 312.80   | 128556.90  |
| 2      | Providing and fixing double skin partition as per drawing with aluminum frame 63x38mm with 1.8mm thickness minimum intermediate ,verticals and horizontals 600mm c/c as shown in drawing and shall be fix to floor ceiling walls etc. with suitable size of screw ,plugs including making good to damages with fixing 9mm thick BWR ply both sides of approved make and quality with screws at adequate intervals and fixing wall paper both sides , including cost of conveyance loading ,unloading ,royalties etc complete with necessary skirting , mouldings etc. as per detail design including the cost of all materials, labour, conveyance & overheads and T & P etc. complete. | Sqm  | 171.96   | 8200.70  | 1410179.90 |
| 3      | Supplying fitting and fixing in position 35mm thick flush door with glazing at eye level , teak wood beeding and 4mm thick veneer to both side pested with adhesive finished with mellamine polish including fixing of fixtures like godrej ,doorset or dorma make mostise luck ,Godrel or Dorma Make door closer having S.S hinges ,handles , stoppers including cost of all materials , labour ,all taxes , transportation ,loading and unloading etc. complete as per direction of Engineer in charge.   | Sqm  | 10.290   | 17899.30 | 184183.90  |
| 4      | Providing and fixing bright finished Aluminum hydraulic door closer (Best make of approved quality) with necessary accessories and screws etc. Complete   | Nos  | 4.00     | 2792.55  | 11170.20   |

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| 5 | Supplying ,fabricating fixing box pattern panelling at possition made from 12/9mm thick bwr termite resistance ply approved by EIC and finished with 4.0mm thick veneer of brand (Mnerino ,Green , Centure) including the cost melamine polish executing the same complete as per drawing with all hardwire, adhesive ,nails etc complete. for conference.   | Sqm | 31.56  | 7499.00 | 236645.94  |
| 6 | Providing and laying in position 15 mm thick Solidwood Flooring of Square foot Teak Plank or Equivalent of size 120 mm x 915 mm having smart lock tongue and groove joints to secure long lasting joint. The material comprising of single layers. The Floor is finished on top with seven course of UV curved formaldehyde free lacquer. The planks are installed on foam and polythene sheet on top of the under floor and stuck to one another using adhesive in the groove of the board all complete including all accessories (Skirting, Profile) etc   | Sqm | 191.45 | 7374.00 | 1411729.44 |
| 7 | CEILING WITH GRID SQUARE EDGE TILES SUBTEX NUBBY Supply and Installation of Anutone 15 mm glass fiber square edge tiles having the technical parameters are as follows : Core - Glassfibre, Fire – Class 1 & P, Acoustics – NRC 0.90,Climate (degree C RH) – 40, 95, Light reflectance 85 %,Green (RC %) – 35, Hygiene (VoC, Clean room) – Low , fully encapsulated for zero erosion of particulate matter from all side fully encapsulated tile of size 595 x 595 x 15 mm having density 120 Kgs/ m3, weight - 1.8 kg/m2 which will be suspended from main ceiling by using 0.4 mm wire thick and the help of T 24 channels whose thickness will be for main T- 24 x 38 x 0.3 x 3600 , cross T - 24 x 25 x 0.3 x 1200 mm , Cross T - 24 x 25 x 0.3 x 600 mm & wall angel of size - 24 x 24 x 0.4 x 3000 mm pre coated metal . The grid system of 600 x 600 mm module shall be maintained for laying tiles. Now, Anutone Glassfibre square edge tiles of size 595 x 595 x 15 mm thick shall be placed into the grid size of 600 x 600 mm. Ensure arrow marks behind glass fiber square panels are oriented in one direction to achieve uniform looks. Test certificate of the use products shall be submitted after procurement of materials | Sqm | 184.32 | 2544.68 | 469035.62  |

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| 8   | <b>MAGNESIA BOARD PLAIN CEILING</b><br><br>Supply and Installation of <b>false ceiling Anutone 10mm thick Tufbloc magnesium oxide</b> HDFR boards of size 1200 x 2400 mm having Density-1000 kg/mt cube, with STC- 34 – 50, weight - 8.5 kg /sq mt, Fire Class - 1&P & Thermal Heat Resistance - 0.11792 W/mK Climate ( degree Centigrade , RH - 50,95 , Green VoC , RC% - Low & 30 Water resistant with wet expansion less than - 0.02% from ambient to saturation, Moisture Movement - 0.02% from Anutone are to be fixed with Philips head screw is fixed by using concealed ceiling system. The concealed ceiling system shall include GI Wall channel(WC 25) having thickness 0.45 mm, length 3600 mm, unequal flanges of 15 & 20 mm and web of 22 mm should be fixed along the perimeters of the wall with nylon sleeves and suitable fasteners at every 300 mm centers. |     |        |         |           |
| 8.1 | Then suspend Main channels(MC 45) having thickness 0.9 mm, length 3600 mm, equal flanges of 15 mm and web 45mm from the soffit at every 1200 mm centers with Suspender angle(SA 25) having thickness 0.45 mm, unequal flanges of 25 & 10 mm. GI Cross channel(CC 25) having thickness 0.45 mm, length 3600 mm, knurled web 35mm, depth of 25 mm and equal flanges 9.5 mm is fastened to the Main channel in the direction perpendicular to the Main Channel at every 600mm centers. Now the jointing & finishing of the same will be done by using Anutone jointing kit consist of powder mixed with water and apply the same with flat flap on the boards joints to finish the surface of the boards so as to look flush. Test certificate of the use products shall be submitted after procurement of materials  | Sqm | 127.71 | 1945.40 | 248447.48 |
| 9   | Providing and fixing roller Blinds ( of approved make and shade) in proper position as per the approved drawings etc. complete including cost, conveyance, loading, unloading, stacking ( staging and scaffolding where necessary) and taxes of all materials, cost of all labour, sundries,T&P etc. complete in all respect as per the specification of the manufacturer and as directed by the Engineer-in-charge . (No seperate payment will be made for execution of this item of work)  | Sqm | 38.88  | 4687.00 | 182230.56 |
| 10  | Providing and installation of micro fiber, long lasting , antiskid backing carpet on the floor of Training and placement cell.   | Sqm | 64.22  | 4705.70 | 302176.53 |

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| 11               | Providing and fixing of storage cabinet to floor ,wall and ply partition etc of600mm depth with required nos of drawers as mention in drawings with 19mm thick BWP, termite proof block board ,19mm / 12mm /8mm thick BWR and 8mm thick BWR ply and finished outer face 1.0mm thick laminate and inner face finished with 0.8mm thick laminate of matching shade and reputed brand approved by EIC or Consultant with necessary S.S fittings like hinges ,nails, screws ,handles etc complete as directed by EIC. | Sqm | 1.00  | 21163.50 | 21163.50   |
| <b>FURNITURE</b> |   |     |       |          |            |
| 12               | Supply & installation of Student Table completely made up of Prelaminated HDHMR board (Finished Thickness-18mm) with all exposed edges have 2mm thick hot melt PVC edge band and necessary hardwares like mini-fix.   |     |       |          |            |
| 12.1             | 3-Seater @ 1800 MM(W) X 350 MM (D) X 750 MM (HT).   | Nos | 66.00 | 17076.15 | 1127025.90 |
| 12.2             | 2-Seater @ 1200 MM(W) X 350 MM (D) X 750 MM (HT).   | Nos | 2.00  | 11844.00 | 23688.00   |
| 13               | Supply & installation of Conference Table completely made up of Pre-laminated HDHMR board (Top Finished Thickness-25mm and Rest 18mm) with all exposed edges have 2mm thick hot melt PVC edge band and necessary hardwares like mini-fix.   |     |       |          |            |
| 13.1             | CONFERENCE TABLE (6-Seater) (2250x1200x750)   | Nos | 3.00  | 61996.20 | 185988.60  |
| 14               | Supply & installation of G.D Room Table completely made up of Pre-laminated HDHMR board (Finished Thickness-25mm) with all exposed edges have 2mm thick hot melt PVC edge band and necessary hardwares like mini-fix and Electric Box-Flip- 2pc.  |     |       |          |            |
| 14.1             | G.D TABLE (10-Seater) (2400x1200x750)   | Nos | 2.00  | 57903.30 | 115806.60  |
| 15               | Mid back Dimension- Overall heigh is 1080mm overall width - 660 mm,Seat Height - 480 mm Back Height - 500 mm Seat Width - 500 mm.Height adjustable and Back rest is made up of mesh having 100% Polyester   |     |       |          |            |
| 15.1             | Mid Back Chair/Nylon Base   | Nos | 42.00 | 7560.00  | 317520.00  |
| 16               | Supply & installation of Lecturer Table completely made up of Prelaminated HDHMR board (Finished Thickness-18mm) with all exposed edges have 2mm thick hot melt PVC edge band and necessary hardwares like mini-fix, Telescopic channel and Hinges  |     |       |          |            |
| 16.1             | LECTURER TABLE (1200x600x750)   | Nos | 1.00  | 21659.40 | 21659.40   |

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| 17                                   | Providing & Supplying 3-Seater Finish- Chrome Visitor's Chair  |      |        |          |            |
| 17.1                                 | 3-Seater Finish- Chrome Visitor's Chair ( Chair for waiting lobby)   | Nos  | 2.00   | 7350.00  | 14700.00   |
| 18                                   | Providing & Supplying Unwined Chair Of Plastic Material & Size Medium for students in training hall  | Nos  | 202.00 | 3202.50  | 646905.00  |
| <b>INTERNAL ELETRIFICATION WORKS</b> |  |      |        |          |            |
| A                                    | <b>Internal Wiring including supply of all required materials</b>  |      |        |          |            |
| 19                                   | Recessed wiring to light point / first light of group control/ call bell point/ ceiling fan point / exhaust fan point /wall fan point with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked in 20 mm dia non-metalic PVC conduit with 6 Amp, 250 V clip in type Modular switch ISI marked and ceiling rose ISI marked mounted on G.I modular box with face plate & cover of suitable size , with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire including all accessories and connection as per direction of Engineer in Charge. (Make of wire-Finolex/ L&T/ Anchor/ Havells/ V-Guard/ HPL) (Make of Modular Box- Great white/ Legrand / Roma/ Havells/ HPL/ Cona) Group-C |      |        |          |            |
| 19.1                                 | Single Light Point   | Nos. | 106    | 1,064.00 | 112,784.00 |
| 19.2                                 | Ceiling fan point  | Nos. | 1      | 725.00   | 725.00     |
| 19.3                                 | Wall fan point   | Nos. | 1      | 725.00   | 725.00     |
| 20                                   | Recessed wiring to secondary light point / group controlled looped light from primary light point / with 1.5sqmm FR PVC insulated single core multistrand copper conductor of ISI marked with 20mm dia non-metallic PVC conduit with 1.5sqmm FR PVC insulated single core multistrand copper conductor for running earth including 3 plate ISI marked Ceiling rose with all accessories & connection as per direction of Engineer in charge. (Make of wire-Finolex/ L&T/ Anchor/ Havells/ V-Guard/ HPL)  |      |        |          |            |
| 20.1                                 | secondary light point  | Nos. | 86     | 597.00   | 51,342.00  |
| 21                                   | Supplying and fixing following modular type switch / socket on the existing switch box/ cover including connections etc. as required. As per drawing and as per the direction of Engineer in charge  |      |        |          |            |
| 21.1                                 | 5 / 6 amp switch   | Nos. | 7      | 70.00    | 490.00     |
| 21.2                                 | 5 / 6 amp socket outlet  | Nos. | 7      | 113.00   | 791.00     |
| 21.3                                 | 3 Module (100mmX75mm)  | Nos. | 14     | 217.00   | 3,038.00   |

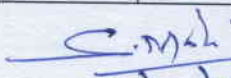
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*S. M. S.*  
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| 22   | Recessed wiring for 5 / 6 amp socket outlet on separate board 250 V clip in type switch ISI marked mounted on G.I moular box with face plate & cover of suitable size , with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire including all accessories and connection as per direction of Engineer in Charge.                         |      |     |        |           |
| 22.1 | 5 / 6 amp socket outlet on separate board   | Nos. | 21  | 343.00 | 7,203.00  |
| 23   | Recessed wiring for 2 x 6 amp socket outlet controlled by 2 nos 6Amp on separate board, 250 V clip in type switch ISI marked mounted on single G.I moular box with face plate & cover of suitable size including all accessories and connection as per direction of Engineer in Charge.   |      |     |        |           |
| 23.1 | 2 x 6 amp socket  | Nos. | 32  | 523.00 | 16,736.00 |
| 24   | Recessed wiring for 6 pin 16 amp socket outlet with 16Amp, 250 V clip in type switch ISI marked mounted on G.I moular box with face plate & cover of suitable size including all accessories and connection as per direction of Engineer in Charge.   |      |     |        |           |
| 24.1 | 6 pin 16 amp socket   | Nos. | 12  | 439.00 | 5,268.00  |
| 25   | Recessed wiring to submain in 2 x 1.5 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 20 mm dia non-metalic heavy duty PVC conduit 1.6 mm thick along with 1 x 1.5 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire as equired. (For subsequent point of group control )        |      |     |        |           |
| 25.1 | 2 x 1.5 sq.mm   | Mtrs | 180 | 181.00 | 32,580.00 |
| 26   | Recessed wiring to submain in 2 x 2.5 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 20 mm dia non-metalic heavy duty PVC conduit 1.6 mm thick along with 1 x 1.5 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire as equired. (From BDB to Switch Board & 16A socket points ) |      |     |        |           |
| 26.1 | 2 x 2.5 sq.mm   | Mtrs | 205 | 208.00 | 42,640.00 |
| 27   | Recessed wiring to submain in 2 x 6 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 20 mm dia non-metalic heavy duty PVC conduit 1.6 mm thick along with 1 x 4.0 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire as equired. (For BDB-VRF IDU )                                |      |     |        |           |
| 27.1 | 2 x 6 sq.mm   | Mtrs | 24  | 352.00 | 8,448.00  |
| 28   | Recessed wiring to submain in 4 x 6 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 32 mm dia non-metalic heavy duty PVC conduit 1.6 mm thick along with 2 x 4.0 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire as equired.(For BDB-COMP )                                    |      |     |        |           |
| 28.1 | 4 x 6 sq.mm   | Mtrs | 55  | 623.00 | 34,265.00 |

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| 29   | Recessed wiring to submain in 4 x 10 sq.mm FR PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 32 mm dia non-metalic heavy duty PVC conduit 1.6 mm thick along with 2 x 4.0 sq.mm FR PVC insulated single core multistrand copper conductor as earth wire as required.(For BDB-L&P )  |      |     |            |            |
| 29.1 | 4 x 10 sq.mm   | Mtrs | 1   | 510.00     | 510.00     |
|      | <b>PANEL</b>   |      |     |            |            |
| 30   | Supply , delivery ,installation, testing & commissioning of L.T. indoor floor/ wall mounted type distribution boards made out of 2 mm/1.6mm thick CR sheet metal cubicle fixed on m.s. channel base, duly acid treated for derusting, primered and painted with 2 coats of enamel paint of approved shade; dust, damp & vermin proof ; having hinged door and compartmental arrangement for each equipment & busbar chamber on the top of the panel running horizontally; having provision for cable/ conduit entry, earthing studs as per specification mentioned below duly factory wired conforming to the relevant ISS and as per special conditions of contract making good the damages caused complete as per the direction of Engineer-in-charge. |      |     |            |            |
|      | (make- L&T / Legrand / Schneider or equvalant reputed make)  |      |     |            |            |
|      | <b>DB-2ND FLOOR</b>  |      |     |            |            |
|      | <b>Incomer</b> : 1 Nos.125A 3P+NL MCCB with ROM & spreader links with adjustable thermal settings<br>O/L C/O Sw-1Nos 160A 3P+NL  |      |     |            |            |
|      | <b>Outgoing</b> : 3 Nos 40A 4P RCCB with (300mA) sensitivity<br>3 Nos, 32A 4P MCB 'C'<br>3 Nos, 6-32A 2P MCB 'C'   |      |     |            |            |
|      | <b>Bus bars</b> : 4 Nos. 25x4mm EC Strip.  |      |     |            |            |
|      | <b>Instruments</b> : 3 Nos phase indicating lamp with control fuses<br>1 set 125/5A CT's<br>1 No 0-500V AC digital voltmeter   |      |     |            |            |
|      | 1 No. 3P+N, Type-1+2,40KA Surge protection Device with wiring at Main Incomer as per SLD-  | Set  | 1.0 | 143,900.00 | 143,900.00 |
|      | <b>DISTRIBUTION BOARD</b>  |      |     |            |            |
| 31   | Supplying and fixing of following mentioned way, three pole/single pole and neutral, sheet steel,double door MCB distribution board, 415 volts/240 volts, on surface/recess, complete with terminal blocks, duly prewired with suitable size FR PVC insulated copper conductor up to terminal blocks, tinned copper busbar, neutral busbar, earth bar, din bar. Legrand/Hager/Schneider make, or any other equivalent of reputed make ISI marked as approved.  |      |     |            |            |
| 31.1 | Supply, fixing, erecting, connecting and commissioning of indoor type dust and vermin proof, sheet steel clad ready made, double door horizontal type powder coated wall mounted following sizes, SPN, MCB, DB siutable for, 240 V, Single phase 50 Hz AC Supply complete with bottom detachable plate for interconnections etc as below.(Legrand/L&T/ Schneider) . (But without MCB/RCCB/ Isolator)   |      |     |            |            |
| 31.2 | 16 Way Double Door, Horizontal type ( BDB-VRF IDU)   | Nos. | 1   | 2,638.00   | 2,638.00   |

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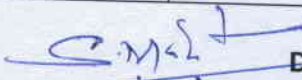
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| 32   | Supply, fixing, erecting, connecting and commissioning of indoor type dust and vermin proof, sheet steel clad ready made, double door horizontal type powder coated wall mounted following sizes TPN, MCB DB suitable for 415 V, 3phase, 50 Hz AC Supply complete with bottom detachable plate for interconnections etc as below.                |      |     |          |            |
| 32.1 | ( But without MCB/ RCCB/ ISOLATOR) (Legrand/L&T/ Schneider) .  |      |     |          |            |
| 32.2 | 4 Way (4 + 12) Double Door, Horizontal type (BDB-COMP)   | Nos. | 1   | 3,450.00 | 3,450.00   |
| 32.3 | 6 Way (4 + 18) Double Door, Horizontal type ( BDB-L&P)   | Nos. | 1   | 4,231.00 | 4,231.00   |
| 33   | Supply and fixing of 6 amp to 32 amp rating 240 V "C" series miniature circuit breaker suitable for inductive loads of the following poles in the existing MCB DB ISI marked complete with connections testing and commissioning etc. as required.   |      |     |          |            |
| 33.1 | 6Amp rating to 32Amp (SP) MCB  | Nos. | 42  | 198.00   | 8,316.00   |
| 34   | Supplying and fixing 25-63 Amps rating, DP, 240 volts, RCCB,30mA Hpi/100mA ( Legrand/ L&T /Schneider) make or any other reputed equivalent catagories make ISI marked as approved in the existing MCB DB complete with connections, testing and commissioning etc. as required.  |      |     |          |            |
| 34.1 | 25Amp DP RCCB (Hpi) 30mA   | Nos. | 1   | 1,760.00 | 1,760.00   |
| 35   | Supplying and fixing 25-63 Amps rating, FP, 415 volts, RCCB,100mA ( Legrand/ L&T /Schneider) make or any other reputed equivalent catagories make ISI marked as approved in the existing MCB DB complete with connections, testing and commissioning etc. as required.   |      |     |          |            |
| 35.1 | 25Amp FP RCCB  | Nos. | 2   | 2,404.00 | 4,808.00   |
| 35.2 | 40Amp FP RCCB  | Nos. | 1   | 1,834.00 | 1,834.00   |
|      | <b>CABLE</b>   |      |     |          |            |
| 36   | Supply of one number of PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade Al. conductor cable of following size. direct in ground including excavation , sand cushioning protective covering and refilling the trench etc.or on surface / on existing cable tray as required. ( Polycab / Finolex / Havells / Rhino / RR Kabel ) |      |     |          |            |
| 36.1 | 3.5C x 95 sq.mm ( From 2F to DB)   | Rmt  | 100 | 1,191.00 | 119,100.00 |
| 36.2 | 4C x 16 sq.mm ( From MDB- to VRF ODU )   | Rmt  | 60  | 354.00   | 21,240.00  |
| 37   | Supplying and making end termination with brass compression gland and aluminum lugs for following size of PVC insulated and PVC sheathed / XLPE aluminum cable of 1.1 KV as required.  |      |     |          |            |
| 37.1 | 3.5C x 95 sq.mm  | set  | 2   | 372.00   | 744.00     |
| 37.2 | 4C x 16 sq.mm  | set  | 4   | 256.00   | 1,024.00   |

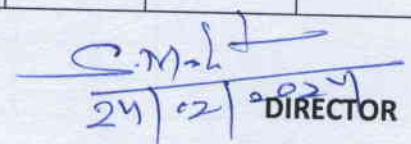
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| 38                                     | Laying and fixing of one number PVC insulated and PVC sheathed I XLPE power cable of 1.1 kV grade of following size on wall surface as required.  |      |     |          |            |
| 38.1                                   | Upto 35 sq. mm (clamped with 1mm thick saddle)  | Rmt  | 60  | 29.00    | 1,740.00   |
| 38.2                                   | Above 35 sq. mm and upto 95 sq. mm (clamped with 25x3mm MS flat clamp)  | Rmt  | 100 | 81.00    | 8,100.00   |
| <b>FITTINGS &amp; FIXTURE</b>          |   |      |     |          |            |
| 39                                     | Supply, Installation, Testing and Commissioning of pre-wired fluorescent fitting / compact fluorescent fitting /LED fitting of all sizes complete with all accessories and lamp   |      |     |          |            |
| 39.1                                   | Supply of 1x12 watt LED sleek surface downlight fitting with all connections similar to Philips catalogue No SM250C LED12S- 6500 PSU WH or equivalent   | Nos  | 8   | 991.00   | 7,928.00   |
| 40                                     | Supply of 1x10 watt LED green perform sleek recess downlight fitting with all connections similar to Philips catalogue No DN295B LED10S-6500 PSU WH or equivalent   | Nos  | 58  | 1,404.00 | 81,432.00  |
| 41                                     | Supply of 1x10 watt green LED ultima square recess downlight fitting with all connections similar to Philips catalogue No DN097B LED10S-6500 PSU WH or equivalent.  | Nos  | 1   | 1,635.00 | 1,635.00   |
| 42                                     | Supply of 1x30 watt (2'x2') LED green square recess fitting with all connections similar to Philips catalogue No RC140B LED30S-6500 PSD WH OD or equivalent.  | Nos  | 40  | 4,460.00 | 178,400.00 |
| 43                                     | Supply of 400mm (16") Low height Ceiling Fan similar to Halonix CUBOID or equivalent complete etc as required.  | Nos  | 1   | 4,181.00 | 4,181.00   |
| 44                                     | Supply of 1200mm (48") Ceiling Fan (BLDC) similar to Atomberg or equivalent complete etc as required.   | Nos  | 1   | 3,551.00 | 3,551.00   |
| 45                                     | Supply of 1400mm (56") Ceiling Fan (BLDC) similar to Atomberg or equivalent complete etc as required.   | Nos  | 1   | 4,022.00 | 4,022.00   |
| 46                                     | Supply of 400mm (16") Wall Fan " Efficio+" ( BLDC) similar to Atomberg or equivalent complete etc as required.  | Nos  | 1   | 4,707.00 | 4,707.00   |
| 47                                     | Supply of Providing and fixing extra down rod of 50 cm length G.I. pipe 20 mm dia heavy gauge including painting etc as required . ( more than 5 cm length shall be rounded to the nearest 10 cm and 5 cm or less shall be ignored  | Nos  | 1   | 29.00    | 29.00      |
| <b>INSTALLATION OF FITTING FIXTURE</b> |   |      |     |          |            |
| 48                                     | Supply and fixing circular/ HEXAGONAL G.I. box for ceiling fan clamp, of internal dia 140 mm, 73 mm height, top lid of 1.5 mm thick G.I. sheet with its top surface hacked for proper bonding, top lid shall be screwed into the G.I. box by means of 3.3 mm dia round headed screws, one lock at the corners. Clamp shall be made of 12 mm dia M.S. bar bent to shape as per standard drawing. | Nos  | 1   | 143.00   | 143.00     |
| 49                                     | Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable, . as required, as per drawing and as per the direction of Engineer in charge  | Each | 1   | 106.00   | 106.00     |

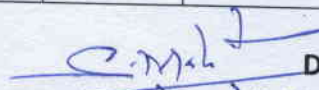
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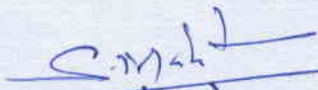
|                               |   |     |      |        |           |
|-------------------------------|---|-----|------|--------|-----------|
| 50                            | Supplying and fixing stepped type electronic fan regulator on the existing modular plate or existing sheet metal switch board switch box including connections but excluding Cover plate etc. as required. as per drawing and as per the direction of Engineer in charge  | Nos | 1    | 285.00 | 285.00    |
| 51                            | Supplying and fixing PVC batten/ angle holder including connections etc. as required, as per drawing and as per the direction of Engineer in charge   | Nos | 8    | 61.00  | 488.00    |
| 52                            | Installation ,Testing, Commissioning of wall bracket /ceiling fittings of all sizes and shapes containing upto two GLS/CFL/LED lamps per fitting, complete with all accessories including connections etc. as required as per drawing and as per the direction of Engineer in charge  | Nos | 106  | 60.00  | 6,360.00  |
| 53                            | Installation of wall/exhaust fan(Upto 450 mm sweep)in the existing opening, including making good the damage, connection, testing, commissioning etc. as required, as per drawing and as per the direction of Engineer in charge  | Nos | 1    | 232.00 | 232.00    |
| 54                            | Numbering of ceiling fan/ exhaust fan/ fluorescent fittings as required.  | Nos | 106  | 30.00  | 3,180.00  |
| <b>TV &amp; COMMUNICATION</b> |   |     |      |        |           |
| 55                            | Supplying and fixing metal box of following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including painting etc. as required. as per direction of Engineer-in-charge  |     |      |        |           |
| 55.1                          | 75 mm X 75 mm X 60 mm deep (for TV & Telephone Point)   | Nos | 36   | 128.00 | 4,608.00  |
| 56                            | Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required. as per drawing and as per the direction of Engineer in charge  |     |      |        |           |
| 56.1                          | Telephone socket outlet   | Nos | 4    | 109.00 | 436.00    |
| 56.2                          | TV socket outlet  | Nos | 2    | 109.00 | 218.00    |
| 56.3                          | Information outlet (5e-UTP)   | Nos | 30   | 778.00 | 23,340.00 |
| 57                            | Supplying and drawing 4 pair 0.5 mm dia FRLS PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required. as per direction of Engineer-in-charge  | Mtr | 160  | 40.00  | 6,400.00  |
| 58                            | Supplying and laying co-axial TV cable RG-6 grade, 0.7 mm solid copper conductor PE insulated, shielded with fine tinned copper braid and protected with PVC sheath in the existing surface/ recessed steel/ PVC conduit as required. as per direction of Engineer-in-charge  | Mtr | 80   | 34.00  | 2,720.00  |
| 59                            | Supplying and drawing of UTP 4 pair CAT 6 LAN Cable in the existing surface/ recessed Steel/ PVC conduit as required.   |     |      |        |           |
| 59.1                          | 1 run of cable  | Mtr | 1050 | 44.00  | 46,200.00 |
| 60                            | Supply, delivery and laying of following sizes of 2mm wall thickness rigid PVC conduit concealed in wall/ column/ roof slab of the building or mounted on surface alongwith other accessories and 18 swg GI fish wire complete for telephone / TV / Circuit or Submain wiring as required and as per direction of Engineer-in-charge. |     |      |        |           |
| 60.1                          | 20mm dia  | Mtr | 300  | 84.00  | 25,200.00 |
| 60.2                          | 25mm dia  | Mtr | 140  | 99.00  | 13,860.00 |

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|   |   |     |    |            |            |
|---|---|-----|----|------------|------------|
| 61                                      | Supplying and fixing of 16 / 18 SWG metal box of 200 mm x 150 mm x 60 mm deep on surface / recess with suitable size of phenolic laminated sheet cover in front including cutting the wall and making good the same in case of recessed conduit as required. (Tel junction Box)   | Nos | 2  | 334.00     | 668.00     |
| 62                                      | Supplying & Commissioning of Telephone Hand Set.  | Nos | 4  | 774.00     | 3,096.00   |
| 63                                      | Supplying & installation of 10 pair KRONE make modules with locking & key arrangements fabricated with MS sheet & powder coated to be fixed on concealed manner incl. good the damages.   | set | 1  | 1,032.00   | 1,032.00   |
| <b>EARTHING</b>                         |   |     |    |            |            |
| 64                                      | Earthing with copper earth plate 600 mm x 600mm x 3.15 mm thick ISI marked including accessories and providing masonry with cover plate having locking arrangement and watering pipe etc with charcoal and salt as required.  | Set | 2  | 11,285.00  | 22,570.00  |
| 65                                      | Supplying and laying 25 mm x 6 mm CU earth strip ISI marked at 0.5 meter below ground level as strip earth electrode including soldering etc. as required.  | Rmt | 20 | 846.00     | 16,920.00  |
| 66                                      | Supplying and laying 25 mm x 5 mm CU earth strip ISI marked on surface or in recess for connection etc as required.   | Rmt | 30 | 1,061.00   | 31,830.00  |
| 67                                      | Supply of material & laying under ground/ floor/ wall including making end termination and testing of following size of Cu/G.I. wire for loop earthing of equipments, switch boards & panels as required complete as per direction of Engineer-in-charge.   |     |    |            |            |
| 67.1                                    | 8SWG HDBC Wire on surface or in recess for loop earthing as required.   | Rmt | 60 | 101.00     | 6,060.00   |
| <b>AIR CONDITIONING SYSTEM</b>          |   |     |    |            |            |
| <b>VRF OUTDOOR UNITS : HITACHI MAKE</b> |   |     |    |            |            |
| 68                                      | Supply of 415V- 3Ph- 50 Hz Side Discharge type VRF System, Outdoor Condensing Units of following actual capacities complete with Hitachi make DC Inverter driven Scroll Compressors (0.1 Hz Precise Control), Condenser Coil, Condenser Fan with VFD, Necessary Refrigerant Piping with necessary interlocks, Oil return circuit, Microprocessor Controller etc., Capable of running on R410A Refrigerant. Non stop Cooling at 52 deg C. (Necessary combination to submit by the contractor / supplier) |     |    |            |            |
| 68.1                                    | 36 (18+18) HP Nominal Capacity SideSmart VRF ODU Modular Heat Pump  | Nos | 2  | 466,431.00 | 932,862.00 |
| <b>VRF INDOOR UNIT :</b>                |   |     |    |            |            |
| 69                                      | 4 Way Cassette Unit of 3.0 HP Nominal Capacity (INC Pannel)   | Nos | 12 | 56,310.00  | 675,720.00 |
| 70                                      | 4 Way Cassette Unit of 5.0 HP Nominal Capacity (INC Pannel)   | Nos | 2  | 61,940.00  | 123,880.00 |
| 71                                      | Ductable Unit of 1.5 HP Nominal Capacity  | Nos | 0  | 27,498.00  | -          |
| 72                                      | Ductable Unit of 2.0 HP Nominal Capacity  | Nos | 3  | 28,155.00  | 84,465.00  |
| 73                                      | Ductable Unit of 3.0 HP Nominal Capacity  | Nos | 0  | 33,129.00  |            |

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|   |   |     |    |            |            |
|---|---|-----|----|------------|------------|
| 74  | Multi-KIT                                     | Nos | 15 | 7,801.00   | 117,015.00 |
| 75  | Connection-Kit ODU                            | Nos | 2  | 15,192.00  | 30,384.00  |
| 76  | Receiver Kit with Cordless Remote 4 Way CST   | Nos | 12 | 4,106.00   | 49,272.00  |
| 77  | Corded Remote                                 | Nos | 3  | 821.00     | 2,463.00   |
| <b>LOWSIDE COST INCLUSIVE OF MATERIALS &amp; LABOUR</b> |   |     |    |            |            |
| 78  | SITC of low side & its associated work of VRF | LS  | 1  | 825,000.00 | 825,000.00 |

**PART-B**

| SI No | Description   | unit   | Qty.                  | Rate      | Amount     |
|-------|---|--|-----------------------|-----------|------------|
| 1     | <b>Technical Specification(LED display Screen)</b>                          |  |                       |           |            |
|       | LED Lamp  |  |                       |           |            |
|       | <b>Module Specification</b>   |  |                       |           |            |
|       | Pixel Pitch   | 2.5  | mm                    |           |            |
|       | Pixel density   | 160000   | pixels/m <sup>2</sup> |           |            |
|       | Pixel configuration   | I R I G I B  |                       |           |            |
|       | Pixel Qty.(W*H)   | 128  | *                     | 64        |            |
|       | Module Size   | 320  | *                     | 160       |            |
|       | <b>Cabinet Specification</b>  |  |                       |           |            |
|       | Resolution(W*H)   | 384  | *                     | 384       | pixels     |
|       | Dimension(mm)(W*H)  | 960  | *                     | 960       | mm         |
|       | Module Conig.(W*H)  | 3  | *                     | 6         | pcs        |
|       | Cabinet Material  | Mild Steel   |                       |           |            |
|       | SQM Cabinet Weight  | about  | 25                    | kg/sqm    |            |
|       | IP Rating   | IP65   |                       |           |            |
|       | <b>Screen Specification</b>   |  |                       |           |            |
|       | Dimension(W*H)  | 12.8*9.6 ft  |                       |           |            |
|       | Resolution(W*H)   | 1536*1152  |                       |           |            |
|       | Cabinet Cofig.(W*H)   | 4*3  |                       |           |            |
|       | White Balance   |  |                       |           |            |
|       | Brightnes   | 750-850 cd/m <sup>2</sup>                              |                       |           |            |
|       | Driving Method  | 1/32 scanning  |                       |           |            |
|       | Best Viewing Distance   | 1m-2m  |                       |           |            |
|       | Power Consumption   | 500 W/m <sup>2</sup> average/1000 W/m <sup>2</sup> max |                       |           |            |
|       | Input Voltage   | 88-132 VAC/176-264 VAC,47-63 Hz                        |                       |           |            |
|       | Cascade Cabinet Qty.  | 12   |                       |           |            |
|       | Frame Frequency   | 60 Hz  |                       |           |            |
|       | Brightness Control  | Manual 256 level & Auto.8 level                        |                       |           |            |
|       | Dot.Defect Rate   | ≤ 0.0001   |                       |           |            |
|       | Life Span   | 100,000 hours  |                       |           |            |
|       | Operating Temp.& RH   | -20°C ~ 65°C /20% ~ 90 % RH                            |                       |           |            |
|       | Storage Temp.& RH   | -40°C ~ 85°C /10% ~ 95 % RH                            |                       |           |            |
|       | Heat Dissipation  | Built-in Fans  |                       |           |            |
|       | Input Signal  | HDMI,USB, VGA.CVBS.etc.(incase of video Processor      |                       |           |            |
|       | Communication Cable   | CAT6 (≤ 100m)  |                       |           |            |
|       | <b>Length of LED Display System (cm) 380 - 420</b>                          |  |                       |           |            |
|       | <b>Height of LED Display System (cm) 280 - 320</b>                          |  |                       |           |            |
|       |   |  | LS                    |           | 1575300.00 |
| 2     | Supplying & Fixing of 10 KVA UPS one hour backup with isolation Transformer | Nos  | 1                     | 570000.00 | 570000.00  |

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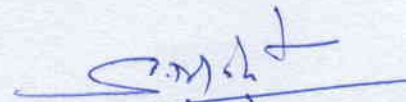
NB:-Above Rates are excluding GST 18%.

|                                     |
|-------------------------------------|
| Percentage Rate Quoted in figure :- |
| Percentage Rate Quoted in word :-   |
| Total Tender Amount :-              |

Total No of correction.....

Total No of Over writings.....

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In case of downloaded from official web site:-

Cost of tender paper for the work "

No.                      Date                      payable at

**For Office use only**

01. EMD. Furnished /

Not Furnished

Rs.

In shape of

Pledged / Not furnished

02. Valid Registration certificate :-

03. PAN Card:-

04. GSTIN:-

05. Nos. of Tender paper:-

06. Cost of Tender paper in case of down loading i.e Rs.

Draft

/-in shape of Demand

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