

NETAJI SUBHAS INSTITUTE OF TECHNOLOGY  
AZAD HIND FAUJ MARG: SECTOR-3,  
DWARKA, NEW DELHI-110078

No.: F. 201(1691)/MDE/08-09/E.Cell/NSIT/**Part-I/**

Dated: 19.11.2008

**NOTICE INVITING TENDER**

The Executive Engineer (C)/M invites on behalf of the BOG, NSIT sealed item rate tenders from approved and eligible contractors of CPWD, M.E.S., Railways & Department of Telecommunications upto 3.00 PM on 28.11.2008 for the work **Name of work :-Providing EI & Fans and electrical wiring for air-conditioners in Lecture Hall at IInd floor in Block 8-A,at NSIT Delhi, Sub-Head (I) : Wiring. Estimated Cost: Rs. 4,50,245/-, Earnest money: Rs. 9005/-, Time Allowed: One Month, Tender Cost: Rs. 500/-,** Last date of receipt of application: 25.11.2008 upto 4.00 PM, Last date of issue of tender: 26.11.2008 upto 4.00 PM, Date of opening of tenders: 28.11.2008 at 3.30 PM in Room No.301, Admn. Block, NSIT, Sector-3, Dwarka, New Delhi-110078. The Earnest Money as mentioned above shall be deposited alongwith the application seeking issue of tender documents in the form of Pay Order/Demand Draft of a Scheduled Bank issued in favour of "Director, Netaji Subhas Institute of Technology".

Alternatively, the tender documents consisting of above can be downloaded from the websites [www.delhigovt.nic.in](http://www.delhigovt.nic.in) & [www.nsit.ac.in](http://www.nsit.ac.in) and the downloaded documents can be used for quoting the tender and these documents shall only be opened subject to fulfillment of conditions:

Detailed terms & conditions of the tender can be seen on websites mentioned above.

(ANIL ARORA)  
EXECUTIVE ENGINEER(C)/M

Copy to:-

1. D.R. (A/c's), NSIT.
2. A.E. (E)/M, NSIT.
3. D.D.O., NSIT.
4. J.A.O.(P), NSIT.
5. Draftsman, NSIT.
6. P.S. to Director, NSIT.
7. P. A. to Registrar, NSIT.
8. Notice Board.

(ANIL ARORA)  
EXECUTIVE ENGINEER(C)/M

NETAJI SUBHAS INSTITUTE OF TECHNOLOGY  
AZAD HIND FAUJ MARG: SECTOR-3, DWARKA  
NEW DELHI-110078.

**CORRIGENDUM TO Form-8 (CPWD)**

<b>S.NO.</b>	<b>FOR</b>	<b>READ</b>
1.	Govt. of India	Govt. of National Capital Territory of Delhi.
2.	President of India	B.O.G., NSIT
3.	Superintending Engineer/Chief Engineer.	Director, Netaji Subhas Institute of Technology
4.	CPWD (Department)	Netaji Subhas Institute of Technology
5.	Administrative Head	Director, Netaji Subhas Institute of Technology
6.	Ministry of Works & Housing	Govt. of National Capital Territory of Delhi.

NETAJI SUBHAS INSTITUTE OF TECHNOLOGY  
AZAD HIND FAUJ MARG: SECTOR-3, DWARKA  
NEW DELHI-110078.

**NOTICE INVITING TENDER**

1. Item Rate tenders are invited on behalf of the BOG, NSIT from approved and eligible contractors of CPWD, M.E.S., Railways & Department of Telecommunications for the work of:-  
**Name of work :-Providing EI & Fans and electrical wiring for air-conditioners in Lecture Hall at IInd floor in Block 8-A,at NSIT Delhi.**  
**Sub-Head (I) : Wiring.**

The enlistment of the contractor should be valid on the last date of sale of tenders.

In case only the last date of sale of tender is extended, the enlistment of contractor should be valid on the original date of sale of tenders.

In case both the last date of receipt of application and sale of tenders are extended, the enlistment of contractor should be valid on either of the two dates i.e. original date of sale of tender or on the extended date of sale of tenders.

- 1.1 The work is estimated to cost **Rs. 4,50,245/-**. This estimate, however, is given merely as a rough guide.
2. Agreement shall be drawn with the successful tenderer on prescribed Form No. CPWD-8 which is available as a Govt. of India Publication. Tenderer shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.
3. The time allowed for carrying out the work will be **one month** from the date of start as defined in schedule “F” or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the tender documents.
4. The site of work is available.
5. Receipt of applications for issue of forms will be stopped by 4.00 PM the last date fixed for receiving of the applications from the office of EE (C)/M. Last date of issuing of tender documents will be as mentioned in NIT.
- 5.1 Tender documents consisting of plans, specifications, the schedule of quantities of the various classes of work to be done and the set of terms & conditions of contract to be complied with by the contractor whose tender may be accepted and other necessary documents can be seen in the office of the Executive Engineer (C)/M, Room No.301, Admn. Block, NSIT, Sector-3, Dwarka, New Delhi-110078, between hours of 11.00 am to 4.00 pm from \_\_\_\_\_ to \_\_\_\_\_ every day except on the Saturday, Sunday

and Public Holidays. Tender documents, excluding standard form (G.C.C.), will be issued from his office during the hours specified above, on payment of the following:

- (i) **Rs. 500.00** in cash as cost of tender and
- (ii) Earnest money of **Rs. 9005.00** in the form of Pay Order/Demand Draft of a Scheduled Bank issued in favour of “Director, Netaji Subhas Institute of Technology”.

Earnest money should be deposited alongwith the application seeking issue of tender documents in the form of Pay Order/Demand Draft of a Scheduled Bank issued in favour of “Director, Netaji Subhas Institute of Technology”. The contractors have to produce attested copy of the eligibility criteria including TIN No. and a certificate that upto date returns have been filled alongwith the copy of returns submitted to the department of Trade and Taxes (VAT). (Attested copies would be retained and original returned.

6. Tenders, which should always be placed in sealed envelope, with the name of work and due date written on the envelopes, will be received by the Executive Engineer (C)/M upto 3.00 PM on dated \_\_\_\_\_ and will be opened by him or his authorized representative in his office on the same day at 3.30 PM.
- 6.1 Alternatively, the tender documents consisting of above can be downloaded from the websites [www.delhigovt.nic.in](http://www.delhigovt.nic.in) & [www.nsit.ac.in](http://www.nsit.ac.in) and the downloaded documents can be used for quoting the tender and these documents shall only be opened subject to fulfillment of following conditions:

A separate sealed envelope, other than tender, marked as ‘**documents required for tender downloaded from the website**’ containing following documents shall be submitted with the tender:-

- a) Separate Demand Draft/Pay Order for tender cost and EMD for the amount as mentioned above in favour of Director, Netaji Subhas Institute of Technology” of a Schedule Bank or Nationalized Bank/State Bank guaranteed by Reserve Bank of India.
  - b) Attested copy of all the documents required for eligibility. **Original documents are to be produced at the time of opening of tender for verification by department.**
- 6.2 Incomplete tender documents downloaded from the website shall be summarily rejected.
  - 6.3 Tenderer shall submit the tender in sealed envelope. Tenderer who has downloaded the tender documents from the website shall submit the tender in two sealed envelopes marked as Envelope-I (Documents required for tender downloaded from the website) and Envelope-II (tender documents downloaded from the web). Both envelopes should be enclosed in a common Envelope-III. In case Envelope-I is not annexed then Envelope-II containing tenders will not be opened at all.
  - 6.4 **In case tenderer who has downloaded the tender from the website fails to produce original documents at the time of opening of bid then Envelope-II containing tenders will not be opened at all.**
  - 6.5 In case holiday is declared on the opening day, the tenders will be opened on the next working day.

7. The contractor shall be required to deposit an amount equal to 5% of the tendered value of the work as performance guarantee in the form of an irrevocable bank guarantee bond of any Scheduled Bank in accordance with the form prescribed or in cash or in the form of Govt. security, fixed deposit receipt etc., as in the case of recovery of security deposit within prescribed number of days of the issue of letter of acceptance. This period can be further extended by the Engineer-in-Charge upto a maximum period of prescribed number of days on written request of the contractor.
8. The description of the work is as follows:  
**Name of work :-Providing EI & Fans and electrical wiring for air-conditioners in Lecture Hall at IInd floor in Block 8-A,at NSIT Delhi.**  
**Sub-Head (I) : Wiring.**

Copies of other drawings and documents pertaining to the works will be open for inspection by the tenderers at the office of the above mentioned officer.

Tenderers are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. A tenderer shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charges consequent on any misunderstanding or otherwise shall be allowed. The tenderer shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a tender by a tenderer implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.

9. The competent authority on behalf of the President of India does not bind itself to accept the lowest or any other tender and reserves to itself the authority to reject any or all the tenders received without the assignment of any reason. All tenders in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the tenderer shall be summarily rejected.
10. Canvassing whether directly or indirectly, in connection with tenders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection.
11. The competent authority on behalf of President of India reserves to himself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rate quoted.
12. The contractor shall not be permitted to tender for works in the CPWD Circle (responsible for award and execution of contracts) in which his near relative is posted as Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazetted officer in the Central Public Works Department or in the Ministry of Urban Development. Any breach of this

condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.

13. No Engineer of gazetted rank or other Gazetted officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of two years after his retirement from Government service, without the previous permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the tender or engagement in the contractor's service.
14. The tender for the works shall remain open for acceptance for a period of sixty days from the date of opening of tenders. If any tenderer withdraws his tender before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the tender which are not acceptable to the department, then the Government shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the tenderer shall not be allowed to participate in the re-tendering process of the work.
15. This Notice Inviting Tender shall form a part of the contract document. The successful tenderer/contractor, on acceptance of his tender by the Accepting Authority, shall, within 15 days from the stipulated date of start of the work, sign the contract consisting of:-
  - a) The notice inviting tender, all the documents including additional conditions, specifications and drawings, if any, forming the tender as issued at the time of invitation of tender and acceptance thereof together with any correspondence leading thereto.
  - b) Standard CPWD Form 8 (G.C.C.)
16. In case of any difference / ambiguity between English & Hindi version, English version shall prevail.
17. The department shall deduct Sales Tax/DVAT, Income Tax, Labour Cess etc. as applicable on the value of work done from each bill of the contractor as per prevailing Government instructions / orders. In lieu, the department shall issue a certificate of deduction of the tax at source to the contractor, in relevant forms.
18. The intending tenderer must produce alongwith the application, attested copy of registration under Delhi Value Added Tax (DVAT) Act 2004 and its no dues certificate.
19. Contactor shall have to produce original copies/certificates for verification by the Department.

EXECUTIVE ENGINEER(C/M)

**GOVERNMENT OF INDIA**  
**CENTRAL PUBLIC WORKS DEPARTMENT**

STATE	DELHI	CIRCLE	ENGG. CELL
BRANCH	NSIT	DIVISION	ENGG.CELL/M/NSIT
ZONE		SUB-DIVISION	E.CELL/M/NSIT

Item Rate Tender & Contract for Works

(A) Tender for the work of:-

**Name of work :-Providing EI & Fans and electrical wiring for air-conditioners in Lecture Hall at IInd floor in Block 8-A,at NSIT Delhi.**

**Sub-Head (I) : Wiring.**

(i) To be submitted by (to be filled by EE Office) hours on (to be filled by EE office) to  
(time) (date)

---

(ii) To be opened in presence of tenderers who may be present at (to be filled by EE Office) hours on (to be filled by EE Office) in the office of EE (C)/M, NSIT.

Issued to: (to be filled by EE Office)  
contractor

Signature of officer issuing the documents \_\_\_\_\_

Designation EE (C)/M, NSIT

Date of issue \_\_\_\_\_

**T E N D E R**

I/We have read and examined the notice inviting tender, schedule, A, B, C, D, E & F. Specifications applicable, Drawings & Designs, General Rules and Directions, Conditions of Contract, clauses of contract, Special conditions, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

I/We hereby tender for the execution of the work specified for the President of India within the time specified in Schedule 'F', viz., schedule of quantities and in accordance in all respects with the specifications, designs, drawings and instructions in writing referred to in Rule-1 of General Rules and Directions and in Clause 11 of the Conditions of contract and with such materials as are provided for, by, and in respects in accordance with, such conditions so far as applicable.

We agree to keep the tender open for sixty (60) days from the due date of submission thereof and not to make any modifications in its terms and conditions.

A sum of **Rs. 9005/-** has been deposited in P.O./demand draft of a scheduled bank as earnest money. If I/we, fail to furnish the prescribed performance guarantee within prescribed period. I/we agree that the said President of India or his successors in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/we fail to commence work as specified, I/we agree that President of India or his successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said earnest money and the performance guarantee absolutely, otherwise the said earnest money shall be retained by him towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein and to carry out such deviations as may be ordered, upto maximum of the percentage mentioned in Schedule 'F' and those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form. Further, I/We agree that in case of forfeiture of earnest money or both Earnest Money & Performance Guarantee as aforesaid, I/We shall be debarred for participation in the re-tendering process of the work.

I/We hereby declare that I/we shall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall not communicate informations derived there from to any person other than a person to whom I/we am/are authorized to communicate the same or use the information in any manner prejudicial to the safety of the State.

Signature of Contractor

Postal Address

Dated .....

Witness:

Address:

Occupation:

# ACCEPTANCE

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for and on behalf of the President of India for a sum of Rs.

\_\_\_\_\_ (Rupees

\_\_\_\_\_  
\_\_\_\_\_)

.

The letters referred to below shall form part of this contract Agreement:-

a)

b)

c)

For & on behalf of the President of India.

Signature \_\_\_\_\_

Designation \_\_\_\_\_

Dated .....

## SCHEDULES

### **SCHEDULE 'A'**

Schedule of quantities (as per PWD-3)

As per Schedule attached

### **SHCHEDULE 'B'**

Schedule of materials to be issued to the contractor.

S.No.	Description of item	Quantity	Rates in figures & words at which the material will be charged to the contractor	Place of Issue
1	2	3	4	5
NIL				

### **SCHEDULE 'C'**

Tools and plants to be hired to the contractor.

Sl. No.	Description	Hire charges per day	Place of Issue
1	2	3	4
Nil			

### **SCHEDULE 'D'**

Extra schedule for specific requirements/document for the work, if any.

Nil

### **SCHEDULE 'E'**

Schedule of component of Cement, Steel, other Materials, Labour etc. for price escalation.

NIL

## CLAUSE 10 CC

Component of Cement- Expressed as percent of total value of work	Xc _____ %	}	N.A.
Component of Steel- Expressed as percent of total value of work	Xs _____ %		
Component of civil (except cement & steel)/Electrical construction Materials expressed as percent of total value of work.	Xm _____ %		
Component of Labour- Expressed as percent of total value of work	Y _____ %		
Component of P.O.L.- Expressed as percent of total value of work	Z _____ %		

## SCHEDULE 'F'

Reference to General Conditions of contract.

**Name of work :-Providing EI & Fans and electrical wiring for air-conditioners in Lecture Hall at IInd floor in Block 8-A,at NSIT Delhi.**

**Sub-Head (I) : Wiring.**

Estimated cost of work: **Rs.4,50,245.00**

- i) Earnest money: **Rs. 9005.00**
- ii) Performance Guarantee: 5% of tendered value before award of work.
- iii) Security Deposit: 5% of tendered value

**GENERAL RULES:** Officer inviting tender EE (C)/M  
**& DIRECTOIONS** Maximum percentage for quantity of  
items of work to be executed beyond  
which rates are to be determined in  
accordance with Clauses 12.2 & 12.3 See below

## Definitions

2(v)	Engineer-in-Charge	EE (C)/M
2(viii)	Accepting authority	Director/EE (C)/M, NSIT
2(x)	Percentage on cost of materials and labour to cover all overheads and profits.	15%
2(xi)	Standard Schedule of Rates	DSR – 2007 & M.R. with upto date correction slips
2(xii)	Department	Engg. Cell/M/NSIT.
9(ii)	Standard CPWD contract Form	CPWD form 8 (G.C.C.) as modified & corrected upto date

**Clause 1**

- i) Time allowed for submission of Performance Guarantee from the date of issue of letter of acceptance, in days 04 to 15 days or as decided by EE (C)/M
- ii) Maximum allowable extension beyond the period provided in i) above in days 03 to 07 days or as decided by EE (C)/M

**Clause 2**

Authority for fixing compensation under clause 2 Director, NSIT

**Clause 2A**

Whether Clause 2A shall be applicable No

**Clause 5**

Number of days from the date of issue of letter of acceptance for reckoning date of start 07 to 22 days or as decided by EE (C)/M

Mile stone(s) as per table given below:-

**Table of Mile Stone(s)**

Sl. No.	Description of Milestone (Physical)	Time Allowed in days (from date of start)	Amount to be with-held in case of non achievement of milestone
1.			
2.			
3.			
4.			

OR

Sl. No.	Description of Milestone (Physical)	Time Allowed in days (from date of start)	Amount to be with-held in case of non achievement of milestone
1.	1/8 <sup>TH</sup> (of whole work)	1/4 <sup>TH</sup> (of whole work)	In the event of not achieving the necessary progress as assessed from the running payments, 1% of the tendered value of work will be withheld for failure of each milestone
2.	3/8 <sup>TH</sup> (of whole work)	1/2 (of whole work)	
3.	3/4 <sup>TH</sup> (of whole work)	3/4 <sup>TH</sup> (of whole work)	
4.	FULL	FULL	

Time allowed for execution of work.

**One month**

Authority to give fair and reasonable extension of time for completion of work

Engineer-in-charge or Director, NSIT.

**Clause 6, 6A**

Clause applicable – (6 or 6A)

6

**Clause 7**

Gross work to be done together with net payment/adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment

As decided by EE

**Clause 10A**

List of testing equipment to be provided by the contractor at site lab.

1. ~~.....~~
2. ~~.....~~
3. ~~.....~~

**Clause 10B**

**(ii)**

Whether clauses B (ii) shall be applicable

No

**Clause 10CA**

Materials covered under this clause

1. Cement
2. Steel

Nearest Material for which All India Wholesale Price Index is to be followed

1. ~~.....~~
2. ~~.....~~
3. ~~.....~~

**Clause 10CC**

Clause 10CC to be applicable in contracts with stipulated period of completion exceeding the period shown in next column

18 months

**Clause 11**

Specifications to be followed for execution of work

CPWD specifications with upto date correction slips and additional conditions & additional specifications enclosed.

**Clause 12**

12.2 & 12.3

Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for building work

30%

12.5

Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for foundation work

100%

**Clause 16**

Competent Authority for deciding reduced rates

Director, NSIT.

**Clause 18**

List of mandatory machinery, tools & plants to be deployed by the contractor at site.

1. ~~.....~~
2. ~~.....~~
3. ~~.....~~

**Clause 36 (i)****Requirement of Technical Representative(s) and recovery Rate**

Sl. No.	Minimum Qualification of Technical Representative	Discipline	Designation (Principal Technical / Technical representative)	Minimum Experience	Number	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clause 36(i)	
						Figures (in Rs.)	Words
1.	Project Manager with Degree	Civil/Electrical		10 years		20,000/- p.m.	Twenty Thousand Only
2.	Graduate Engineer	Civil/Electrical		5 years		15,000/- p.m.	Fifteen Thousand Only
3.	Graduate Engineer or Diploma Engineer	Civil/Electrical		Nil Or 5 year		10,000/- p.m.	Ten Thousand Only

Assistant Engineers retired from Government services that are holding Diploma will be treated at par with Graduate Engineers.

**Clause 42**

- i) (a) Schedule/statement for determining theoretical quantity of cement & bitumen on the basis of Delhi Schedule of Rates 2007 printed by CPWD with upto date correction slips.
- ii) Variations permissible on theoretical quantities
- a) Cement for works with estimated cost put to tender not more than Rs. 5 Lakhs. 3% plus/minus
  - For works with estimated cost put to tender more than Rs. 5 Lakhs 2% plus/minus
  - b) Bitumen all works 2.5% plus only & nil on minus side.
  - c) Steel Reinforcement and structural steel sections for each diameter, section and category 2% plus/minus
  - d) All other materials Nil

**RECOVERY RATES FOR QUANTITIES BEYOND PERMISSIBLE VARIATION**

Sl. No.	Description of item	Rates in figures and words at which recovery shall be made from the Contractor Rate in schedule 'B' plus 10% in case materials issued by Department.	
		Excess beyond permissible variation	Less use beyond the permissible variation
1.	Cement		
2.	Steel reinforcement		
3.	Structural Sections		
4.	Bitumen issued free		
5.	Bitumen issued at stipulated fixed price		

## LIST OF ELECTRICAL MATERIALS OF APPROVED MAKES

The materials of first/standard quality from the following approved makes, or as specified in the particular item of work in the schedule of quantity are to be used. In case it is established that the brands specified below are not available in the market, the contractor shall submit alternative proposal for the approval of the Engineer-in-Charge.

S. No.	Description	Approved manufacturer/Brand name
1.	M.S. Conduit	- B.E.C./ A.K.G./ Steelcraft/ N.I.C.
2.	PVC Insulated Copper Conductor Wire	- National/ Plaza/ Delton/Ecko/ Skyline/ Phinolex
3.	PVC Insulated Al./Copper Conductor Armoured Cable	- National/ Grandlay/ Delton/ Ecko/ Skytone/ Plaza / Phinolex
4.	Piano Type Switch, Socket	- Anchor/ Cona/ SSK
5.	Phenolic Laminated Sheet	- Hylam/ Philips/ Anchor
6.	Power Contactors / Starters	- L&T/ Siemens/ GE/ Crompton Greaves/ Havell's
7.	Timers	- L&T/ Siemens/ GE/ Havell's
8.	MCB/Isolator/ RCCB	- Havell's/ Standard/ Leg Rand /ABB/ GE/ Indokopp
9.	Voltmeter/Ammeter	- AE/L&T/Indotech
10.	Selector Switches	- AE/L&T/ HPL
11.	Indicating Light	- Vaishno/L&T/AE
12.	Lighting Fixtures (Except Pole Lighting Fixtures)	- Bajaj/Crompton Greaves Philips/ Wipro
13.	MCB DB	- Havell's/ Standard/ Leg Rand /ABB/ GE/ Indokopp
14.	Thimbles	- Jonson/Dawell's/ Action
15.	Fuse Switch Units	- L&T/ Siemens/ GE/ Havell's
16.	Changeover Switch	- HH-ELCON/HPL-Socomec/ L & T/ Havell's
17.	Telephone Wire/ Cable	- Delton/ Ecko/ National/ Plaza
18.	Flat Submersible Cable	- Plaza/ Finolex/ Havell's
19.	MCCB	- L & T/ Siemens/Crompton Greaves/G. E.
20.	Battery	- Exide (EP Series)/ C.S.B./ Panasonic/ HNPS (HBL)/Amara Raja (Quanta) and YUASA
21.	Ceiling Fan/Wall Fan/Exhaust Fan	- Bajaj/Khaitan /Crompton Greaves/Orient/Almonard
22.	Motor & Pumps	- Kirloskar/Crompton Greaves/KSB/GE
23.	Poles & Its Lighting Fixtures	- Nova/Twinkle/ Keselec

24. Generator

S. No.	For Engine	For Alternator
1.	Kirloskar	Kirloskar
2.	Cummins	Jyoti
3.	Cater Pillar	Stamford
4.	Greaves	Crompton
5.	Ashok Layland	Lorry Somer
6	Volvo Penta	-----

25. Active Components Switches (for Networking) - CISCO/ 3 COM/ SURECOM
26. Passive Components Cables & Accessories (for Networking) - Avaya / AMP / PC Net
27. Air Cooled Ducted Split Unit 7.5 TR Capacity - Voltas, Blue Star, & Carrier Aircon , Schindler
28. Elevator System (Lifts) - OTIS / KONE / SCHINDLER / MITSUBISHI / JOHNSON/ ESCON / THYSSEN KRUPP
29. Pole Boxes - Singex / Henses
30. Cable Joint (Heat Shrinkable) - Raychem /Denson / M-Seal
31. Modular Switch & Socket - Anchor / Crabtree /MK / Leg Rand

- Note:-**
1. All other items shall be of ISI marked as per approved sample kept at site of work.
  2. The contractor shall provide the materials as per the make or brand indicated above. When two or more alternatives/ Brands have been mentioned, the brand to be finally used shall be as decided by the engineer-in-charge.

EXECUTIVE ENGINEER(C/M)

## ADDITIONAL SPECIFICATIONS

1. In case of any variation between different applicable specifications, the following order of precedence shall be followed.
  - (i) Nomenclature of the item.
  - (ii) Particular or additional Specifications attached with the tender documents.
  - (iii) CPWD Specifications.
  - (iv) Indian Standard Specifications of BIS.
2. The contractor shall be required to produce samples of all building materials sufficiently in advance to obtain approval of the Engineer-in-Charge. The materials to be used in actual execution of the work shall strictly conform to the quality of samples approved. In case of variation, such materials shall be rejected.
3. (i) The contractor shall, at his own cost, make all arrangement and shall provide such facilities as the Engineer-in-Charge may require for collecting, preparing and forwarding the required number of samples for tests at such time and to such places, as directed by the Engineer-in-Charge. Nothing extra shall be paid for the above including cost of sample material, except testing charges. Testing charges shall be reimbursed to the contractor after production of receipts. In case, material fails in test, no reimbursement shall be made by Department. The necessary tests shall be conducted in the laboratory approved by the Engineer-in-charge.  
(ii) The contractor or his authorized representative shall associate in collection, preparation, forwarding and testing of such samples. In case, he or his authorized representative is not present or does not associate himself, the result of such test and consequences thereon shall be binding on the contractor.
4. Wherever any reference to any Indian Standard Specifications occurs in the documents related to this contract, the same shall be inclusive of all amendments issued there to or revision thereof, if any, up to the date of opening of tenders.
5. Preference shall be given to those articles which bear ISI certification marks. In case articles bearing ISI certification marks are not available, the quality of samples brought by the contractor shall be judged by the standards laid down in the relevant ISI specifications/CPWD Specifications. All materials and articles brought by the contractor to the site for use shall conform to the samples approved, which shall be preserved till the completion of the work. However, such articles which bear ISI mark but banned by CPWD will not be used.
6. All the materials used in the work shall comply with the requirements of Engineer-In-Charge and shall pass all the tests and analysis required by him as per particular specifications as applicable or such recognized specifications as acceptable to the Engineer-In-Charge.
7. The necessary tests shall be conducted in the laboratory of PWD (DA), CPWD, Central Road Research Institute or IIT, Delhi or any other laboratory approved by the Engineer-In-Charge. The samples for carrying out all or any of the tests shall be collected by the Engineer-In-Charge. The testing charges shall be initially paid by the Agency the same will be reimbursed by NSIT for the samples confirming to the specifications.
8. The rate for all items of work, unless clearly specified otherwise, shall include the cost of all labour, materials and other inputs etc. involved in the execution of the items and thus nothing extra on any account will be paid to the agency other than his quoted rates.
9. Where no approved brand is mentioned against any item, the material strictly confirming to C.P.W.D. specifications shall only be supplied.
10. Apart from above, all the amendments in the "CPWD Specifications" issued upto the date of the opening of tenders shall be applicable.

EXECUTIVE ENGINEER(C/M)

## ADDITIONAL CONDITIONS

1. In case of any variation between different applicable terms and conditions, the following order of precedence shall be followed:-
  - (i) Nomenclature of Item
  - (ii) Additional Conditions
  - (iii) CPWD-6/7/8
  - (iv) General Conditions of Contract
2. Tender received by post or courier shall not be entertained.
3. Any change in Bid after opening of tender will not be allowed.
4. Before tendering, the tenderer shall inspect the site of work and shall fully acquaint himself about the conditions with regard to site, nature of soil, availability of materials, suitable location for construction of godowns, stores and labour huts, the extent of leads and lifts involved in the work over the entire duration of contract including local conditions, traffic restrictions, obstructions, and other conditions and restrictions by the administrative authorities, and such other factors as may be required for satisfactory execution of the work. He should take into consideration all such factors and contingencies while quoting his rates. No claim whatsoever shall be entertained by the Department on this account.
5. The contractor must study the specifications and conditions carefully before tendering.
6. The contractor shall submit the programme of execution of work within a week after taking over of the site and get it approved from the Engineer-in-Charge and strictly adhere to the same for timely completion of the project/work.
7. The contractor shall have to make approaches to the site, if so required, and keep them in good condition for transportation of labour and materials as well as inspection of works by the Engineer-in-Charge. Nothing extra shall be paid on this account.
8. The work shall be carried out in such a manner so as not to interfere or effect or disturb other works being executed by other agencies, if any.
9. Any damage done by the contractor to any existing work shall be made good by him at his own cost, failing which the same shall be got done at his risk and cost.
10. The work shall be carried out in a manner complying in all respects with the requirement of relevant bye-laws of the local bodies under the jurisdiction of which the work is to be executed and nothing extra shall be paid on this account.
11. For completing the work in time, the contractor might be required to work in two or more shifts including night shifts and no claims whatsoever shall be entertained on this account, notwithstanding the fact that the contractor will have to pay extra amount to the labourers and other staff engaged directly or indirectly on the work according to the provisions of the labour regulation and/or for any other reason.
12. The contractor shall make his own arrangements for obtaining electric and water connections, if required, and make necessary payments directly to the authority concerned. The department will, however, make reasonable recommendations to the authority concerned in this regard.
13. In case Department found that either contractor or his labour is involved in theft of Electricity & Water from NSIT source. The contractor shall be liable to pay the fine as decided by Engineer in charge.
14. The contractor or his authorized representative should always be available at the site of work to take instructions from departmental officers, and ensure proper execution of work. No work should be done in the absence of such authorized representative.

15. No payment will be made to the contractor for damage caused by rains, or other natural calamities during the execution of the work and no such claim on this account will be entertained.
16. Royalty at the prevalent rates and all other incidental expenditure shall have to be paid by the contractor on the boulders, stone aggregate, shingle, earth, sand, bajri etc. collected by him for the execution of the work direct to the concerned Revenue Authority of the State or Central Govt. His rates are deemed to include all such expenditure and nothing extra shall be paid.
17. The malba/garbage removed from the site shall be disposed of by the contractor at the MCD approved dumping site or at any other suitable place as directed by the Engineer-in-Charge.
18. The materials to be issued to the contractor and the place of delivery shall be as mentioned in the Schedule 'F' of the tender documents. If these are delivered at any other site, the difference in cost due to cartage will be adjusted accordingly. The contractor shall have to cart at his cost the materials to the site of work as soon as these are issued. The materials will be issued during the working hours and as per rules of the Central Store of NSIT.
19. The contractor shall construct suitable godown at the site of work for storing the materials safe against damage due to sun, rain, dampness, fire, theft etc. He shall also employ necessary watch and ward establishment for the purpose and no extra claim whatsoever shall be entertained on this account.
20. The contractor shall bear all incidental charges for cartage, storage and safe custody of materials issued to him by the department.
21. The contractor shall maintain and render proper account of all materials issued to him by the department, consumed by him on the work and the balance, if any, in the first week of every month. If he fails to do so, no further quantity of materials shall be issued to him and he shall be wholly responsible if any delay occurs in the completion of the work on this account.
22. Contractor will quote amount including all other taxes such as service tax etc. and nothing extra shall paid on account of taxes.
23. The material such as cement, pig lead, cleaning chemicals, dry distemper, oil bound acrylic distemper, water proofing cement/chemical, paint, pigment etc. shall strictly be kept in double lock and key system to monitor their consumption. The material shall only be issued in presence of authorized representative of contractor.
24. Apart from above, all the amendments in the "General Condition of Contract for CPWD Works" issued upto the date of opening of tenders shall be applicable.

EXECUTIVE ENGINEER(C/M)

ETAJI SUBHAS INSTITUTE OF TECHNOLOGY  
AZAD HIND FAUJ MARG: SECTOR-3, DWARKA  
NEW DELHI-110078

**Schedule of Quantity**

**Name of work:- Providing EI & Fans and electrical wiring for air-conditioners in Lecture Hall at IInd floor in Block 8-A, at NSIT Delhi.**

**Sub-Head (I): Wiring.**

Item No.	Description of Items	Qty.	Unit	Rate	Amount
1.	Wiring for light point/fan point/exhaust fan point /call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface/recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FR PVC insulated copper conductor single core cable etc. as req. (Group C )	70 pt.	Point		
2.	Wiring for light/power plug with following sizes of FR PVC insulated copper conductor single core cable in surface/recessed steel conduit along with following No. 4 sq.mm. FR PVC insulated copper conductor single core cable for loop earthing as required. a) 2x4 sq.mm+1x4 sq.mm earth wire b) 4x4 sq.mm+2x4 sq.mm earth wire	65 mtr 75 mtr	Mtr Mtr		
3.	Wiring for circuit/submain wiring along with earth wire the following sizes of FR PVC insulated copper conductor, single core cable in surface/recessed steel conduit as required. a) 2x6 sq.mm + 1x6 sq.mm earth wire b) 4x6 sq.mm + 2x6 sq.mm earth wire c) 2x1.5 sq.mm + 1x1.5 sq.mm earth wire	50 mtr 90 mtr 50 mtr	Mtr Mtr Mtr		
4.	Supplying and fixing of following sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required. a) 20 mm b) 25 mm c) 32 mm	40 mtr 25 mtr 20 mtr	Mtr Mtr Mtr		

Item No.	Description of Items	Qty.	Unit	Rate	Amount
5.	<p>SITC of following surface/recess mounting, vertical type, double door 415 volts, TPN MCB distribution board of sheet steel ,dust protected, duly phosphatized and powder painted, inclusive of tinned copper bus bar, common neutral link, earth bar, din bar, detachable gland /knock out plate and with incomer MCCB as required.(Havells/ Standard)</p> <p>a) 4 way with 100 amp 10 ka MCCB 7180</p> <p>b) 8 way with 125 amp 10 ka MCCB 9840</p>	1 No.	Each		
		1 No.	Each		
6.	<p>Supplying and fixing 5-32 amps rating,240 volts ‘C’ series, MCB suitable for inductive load of following poles in existing MCB DB complete with connection testing &amp; commissioning etc. as required.</p> <p>a) Single Pole</p> <p>b) Single pole and neutral</p>	18 Nos.	Each		
		02 Nos.	Each		
7.	<p>Supplying and fixing 40 amps rating,415 volts ‘C’ series ,TP MCB suitable for inductive loads in existing MCB DB complete with connection etc. as required.</p>	8 Nos.	Each		
8.	<p>SITC of following rating TP MCCB in existing distribution board/cubical panel complete as required.</p> <p>a) 100 amp 25ka (Thermal release range 80 to 100 amps.) TP MCCB including making fixing arrangement and interconnection with existing busbar of cubical panel.(L&amp;T/GE)</p> <p>b) 200 amp 35 ka (Thermal release range 160 to 200 amps.) TP MCCB including making fixing arrangement and interconnection with existing busbar of cubical panel.(L&amp;T/GE)</p>	1 No.	Each		
		1 No.	Each		
9.	<p>Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 15/16 &amp; 5/6 amps modular socket outlet and 15/16 amps modular switch, connection, painting etc. as required.</p>	15 Nos.	Each		

Item No.	Description of Items	Qty.	Unit	Rate	Amount
10.	Supplying and fixing following modular switch/socket on the existing modular plate & switch box including connection etc. as required. a)5/6 amps switch  b)3 pin 5/6 amp socket outlet  c)Telephone socket outlet	15 Nos.  4 Nos.  4 Nos.	Each  Each  Each		
11.	Supplying and fixing 20 amps,240 volts SPN industrial type socket outlet with 2 pole and earth , metal enclosed plug top along with 20 amps C series SP MCB , in sheet steel enclosure , surface or in recess, with chained metal cover for the socket outlet and complete with connection etc. as required.	1 No.	Each		
12.	Supplying and fixing 30 amps,415 volts TPN industrial type socket outlet with 4 pole and earth , metal enclosed plug top along with 40 amps, 300ma RCCB in sheet steel enclosure , surface or in recess, with chained metal cover for the socket outlet and complete with connection etc. as required.(Havells/Standard)	5 Nos.	Each		
13.	Fabricating and installing following size of perforated M.S cable trays including horizontal and vertical bends, reducers, tees, cross members and other accessories as required and duly suspended from the ceiling with M.S. suspenders and including painting with powder coating etc. as required. a)150mm width x50mm depth x 1.6 mm thickness  b) 300mm width x50mm depth x 1.6 mm thickness	120 mtr  50 mtr	Each  Each		
14.	Supplying and drawing 2 pair 0.5 sq. mm FR PVC insulated copper conductor , unarmoured telephone cable in the existing surface/recessed steel/PVC conduit as required.	125 mtr	Mtr.		
15.	Supplying and fixing following size/modules, G.I. box along with modular base and cover plate for modular switches in recess etc. as required. a)1 or 2 Module (75 mmx75 mm)	1 No.	Each		

Item No.	Description of Items	Qty.	Unit	Rate	Amount
16.	SITC of 450 mm sweep air circulator heavy duty fan suitable for operation on 240 volt ac supply complete with all accessories, fixing arrangement, connecting wire, built in regulator as required.(Almonard/Crompton)	8 Nos.	Each		
17.	SITC of 3x36 watt recess mounting mirror optic CFL luminaries with Parallite P5 louvers in existing false ceiling with hanging chain arrangement and suitable for operation on 240 volt ac supply complete with 3 no. 36 watt 4 pin CFL tubes i/c connection with 1.5 sq.mm FR PVC copper conductor wire as required.(Wipro -WVP 24336 SGW/Philips-FBS 300/336 PF HF(EBW)	25 Nos.	Each		
18.	Laying and fixing PVC insulated and PVC sheathed/ XLPE aluminium conductor cable of 1.1 grade of size not exceeding 25 sq.mm on surface as required. a)On Surface/cable tray / false ceiling  b)In duct	150 Mtr.  30 Mtr.	Mtr.  Mtr.		
19.	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required. a) 4 x 25 sq.mm	4 Nos.	Each		
20.	Supplying and fixing 6 SWG dia G.I wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring / cable as required.	400 mtr.	Mtr.		
21.	Installation, testing and commissioning of ceiling fan including wiring the down rod of standard length (upto 30 cm) with 1.5 sq.mm FR PVC insulated, copper conductor, single core cable, including, providing and fixing phenolic laminated sheet cover on the fan box etc. as required.	15 Nos.	Each		
22.	Supplying and fixing extra down rod of 10 cm. length, G.I. Pipe, 15mm. dia., heavy gauge, including painting etc. as required (Note more than 5 cm. length shall be rounded off to the nearest 10 cm., and 5cm. or less shall be ignored).	150 Nos.	Each		

<b>Item No.</b>	<b>Description of Items</b>	<b>Qty.</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>
23.	Supplying and fixing stepped type fan regulator on the existing modular plate switch box including connections but excluding modular plate etc as required.	15 Nos.	Each		
24.	Supplying and fixing RJ-11 socket double on the existing modular plate and switch box including connections but excluding modular plate etc as required.	2 Nos.	Each		
25.	Supplying and fixing RJ-45 socket double on the existing modular plate and switch box including connections but excluding modular plate etc as required.	2 Nos.	Each		

EXECUTIVE ENGINEER (C)/M