

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

No.: F. 201(1657)/MDE/08-09/E.Cell/NSIT

Dated: 06.11.2008

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 **14.11.2008** for the work **Name of work: Internal electrification including Supplying Installation, testing and commissioning of fans & fitting at R. O. Plant of under ground water tank No. -2 in NSIT.** Estimated Cost: **Rs. 2,53,759.00**, Earnest money: **Rs. 5,075**, Time Allowed: **Two months**, Tender Cost: **Rs. 500.00**, Last date of receipt of application: **11.11.2008** upto 4.00 PM, Last date of issue of tender: **12.11.2008** upto 4.00 PM, Date of opening of tenders: **14.11.2008** 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 & 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

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

CORRIGENDUM TO Form-8 (CPWD)

| S.NO. | FOR | READ |
|--------------|---|---|
| 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: Internal electrification including Supplying Installation, testing and commissioning of fans & fitting at R. O. Plant of under ground water tank No. -2 in NSIT.

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. 2,53,759.00**. 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 **two 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. 5075.00** 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 & 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: Internal electrification including Supplying Installation, testing and commissioning of fans & fitting at R. O. Plant of under ground water tank No. -2 in NSIT.

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, which-ever 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: Internal electrification including Supplying Installation, testing and commissioning of fans & fitting at R. O. Plant of under ground water tank No. -2 in NSIT.

(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. 5,075.00** 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:

A C C E P T A N C E

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 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 TH (of whole work) | 1/4 TH (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 TH (of whole work) | 1/2 (of whole work) | |
| 3. | 3/4 TH (of whole work) | 3/4 TH (of whole work) | |
| 4. | FULL | FULL | |

Time allowed for execution of work.

Two months

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. } Nil
- 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

.....
.....
.....

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. } Nil
- 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/ Kalinga/ 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 be 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)

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

Schedule of Quantity

Name of work: Internal electrification including Supplying Installation, testing and commissioning of fans & fitting at R. O. Plant of under ground water tank No. -2 in NSIT.

| Sl. No. | Description of Items | Unit | Qty. | Rate | Amount |
|----------------|---|-------------|-------------|-------------|---------------|
| 1. | Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm F.R. PVC insulated copper conductor single core cable in surface / recessed steel conduit with piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 sq.mm FR PVC insulated copper conductor single core cable etc. as required. a) Group C | Point | 15 | | |
| 2. | Wiring for light/ power plug with 2X4 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed steel conduit alongwith 1 No. 4 sq.mm. FR PVC insulated copper conductor single core cable for loop earthing as required. | Mtr. | 100 | | |
| 3. | Wiring for light / power plug with 4X4 sq.mm FR PVC insulated copper conductor single core cable in surface/ recessed steel conduit alongwith 2 No.4 sq.mm FR PVC insulated copper conductor single core cable for loop earthing as required. | Mtr. | 120 | | |
| 4. | Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface / recessed steel conduit as required. a) 2 x 1.5 Sq.mm + 1 x 1.5 Sq.mm. earth wire. | Mtr. | 50 | | |
| 5. | Supplying and fixing call bell / buzzer suitable for D.C. / A.C. single phase, 230 volts, complete etc. as required. | Each | 01 | | |

| Sl. No. | Description of Items | Unit | Qty. | Rate | Amount |
|---------|--|------|------|------|--------|
| 6. | Installation, testing and commissioning of pre-wired, fluorescent fittings / compact fluorescent fitting of all types, complete with all accessories and tube etc. directly on ceiling/ wall including connection with 1.5 sq.mm FR PVC insulated, copper conductor, single core cable and earthing etc. as required. | Each | 10 | | |
| 7. | Supplying and fixing metal box of 180mm X 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 6 pin 5/6 & 15/16 amps socket outlet and 15/16 amps piano type switch, connection, painting etc. as required. | Each | 08 | | |
| 8. | Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq.mm FR PVC insulated, copper conductor, single core cable etc. as required. | Each | 02 | | |
| 9. | Installation of exhaust fan upto 450 mm sweep in the existing opening, including making the hole to suit the size of the above fan, making good the damage, connections, testing, commissioning etc. as required. | Each | 02 | | |
| 10. | Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper busbar, neutral busbar, earth bar, din bar, detachable gland plate interconnections, phosphatized and powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) a) (2 + 8) way. | Each | 01 | | |
| 11. | Supplying and fixing 5 amps. to 32 amps. rating,240 volts, 'c' series, miniature circuit breaker of following poles in the existing MCB DB complete with connections , testing and commissioning etc. as required (category B) a) Single pole | Each | 08 | | |

| Sl. No. | Description of Items | Unit | Qty. | Rate | Amount |
|---------|---|------|------|------|--------|
| 12. | Supplying and fixing following rating, double pole,415 volts, isolator in the existing MCB DB complete with connections , testing and commissioning etc. as required. a) 63 amps. | Each | 01 | | |
| 13 | Earthing with GI earth plate 600mm x 600mm x 6mm thick including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (but without charcoal or coke and salt) as required. | Set | 02 | | |
| 14 | Extra for using salt and charcoal for G.I. plate earth electrode as required. | Set | 02 | | |
| 15. | Supplying and laying 25mm x 5mm G.I. strip at 0.50 meter below ground as strip earth electrode, including soldering etc. as required. | Mtr. | 50 | | |
| 16 | Providing and fixing 25mm X 5mm G.I. strip in 40mm dia G.I. pipe from earth electrode, as required. | Mtr. | 25 | | |
| 17 | Supplying and fixing cable route marker with 10 cm. x 10 cm x 5 mm. thick G.I. plate with inscription thereon, bolted / welded to 35mm. x 35mm. x 6mm. angle iron, 60 cm. long and fixing the same in one ground as required. | Each | 10 | | |
| 18. | Supplying and making end termination with brass compression gland and aluminium lugs for following size PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required. a) 3.5 x 95 sqmm. | Each | 04 | | |

| Sl. No. | Description of Items | Unit | Qty. | Rate | Amount |
|---------|---|------|------|------|--------|
| 19. | <p>Supplying installation testing and commissioning of cubical type panel board made of 14SWG CRCA sheet wall mounting / Floor mounting dust and vermin proof fully compartmentalized extendable on both side complete with 500A, copper bus bar four strips, base channel, panting with powder coated including supplying and fixing of following switch grass as under:</p> <ol style="list-style-type: none"> 1) DH - 400A, MCCB 35 KA – 01No. 2) DH – 200A, MCCB 35 KA – 01No. 3) DH – 100A, MCCB 25 KA – 02 No. 4) DH – 125A, MCCB 35 KA – 01 No. 5) On Load changeover switch 125A – 01No. 6) Voltmeter selector switch with PF – 01 No. 7) Voltmeter, 96 x 96 mm (0-500V) -01 No. digital 8) Ammeter, 96 x 96 mm (0-100A) 01 No. digital 9) Ammeter selector switch with PF -01 No. 10) Indicating lights with PE (R.Y.B. -03 No. LED type). | Job | 01 | | |
| 20. | Laying of one number PVC insulated and PVC sheathed/XLPE power cable of 1.1 KV grade of size exceeding 25sq.mm but not exceeding 120sqmm direct in ground including excavation, sand & cushioning, protective covering and refilling the trench etc. as required. | Mtr. | 80 | | |
| 21. | Laying of one number PVC insulated and PVC sheathed/XLPE power cable of 1.1 KV grade of size exceeding 25sqmm but not exceeding 400sqmm in the existing masonry open duct etc. as required. | Mtr. | 20 | | |
| 22. | Supplying and laying of 6SWG G.I. wire at 0.50 mtr. Below ground level for conductor earth electrode including soldering etc. as required. | Mtr. | 200 | | |
| 23. | <p>Supplying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following sizes confirming to IS : 7090(part-I) aluminium conductor etc. as required.</p> <ol style="list-style-type: none"> a) 3.5 x 95 sqmm. | Mtr. | 100 | | |

| Sl. No. | Description of Items | Unit | Qty. | Rate | Amount |
|---------|--|------|------|------|--------|
| 24. | SITC of 125 amp, 415Volt 4pole on load front operated change over switch interior type closed in MS chamber made of 14 SWG CRCA sheet confirming to IS with indicating lamps (R.Y.B.) and suitable size of loose wire box in full length and width of change over switch on both size complete with powder coating painting sign writing etc. as required. | Each | 01 | | |
| 25. | Supply of 1 x 36 watt fluorescent tube light comprising profiled aluminium reflector minor parabolic louver heavy duty copper wound ballast starter connector all accessories with lamp complete in all respects. (Make: Philips, Type TMS 021/136 HPF or S.S. make) | Each | 06 | | |
| 26. | Supplying and fixing of bulk head luminaries for 1x60 watt in condescend lamp equalant to Philips cat no. NXC – 101. | Each | 04 | | |
| 27. | Supply of 300mm sweep 1400 sqm exhaust fan suitable for operation on 240 volt, 50Hz power supply complete with blades louvers frame etc. as required. | Each | 02 | | |
| 28. | Supplying and fixing cable end box to suitable size of 8 way MCB DB for loose wire including grouting in the wall & mirror civil work complete as required. Make: Havells / SS/ MDS. | Each | 01 | | |

Executive Engineer (C)/M

