

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

No.: F. 201(1664)/MDE/08-09/E.Cell/NSIT/

Dated: 14.11.2008

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 or specialized agencies upto 3.00 PM on 25.11.2008 for the work **Name of work: Running and operation of 250 KVA D.G. Set and submersible pump set at Kakrola Pump House and annual maintenance of 250KVA/ 62.5KVA/ 30KVA/ 20KVA/ 15KVA D.G. Sets at NSIT, Estimated Cost: Rs. 4,25,268.00, Earnest money: Rs. 8505.00, Time Allowed: one year, Tender Cost: Rs. 500.00**, Last date of receipt of application:20.11.2008 upto 4.00 PM, Last date of issue of tender: 21.11.2008 upto 4.00 PM, Date of opening of tenders: 25.11.2008 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.

Eligibility Criteria: The Agencies must have satisfactory executed three similar works in Govt. Departments each of value 40% of estimated cost or two works each of 50% of estimated cost as one work of 80% of estimated cost during last 5 years. The applications not supported with requisite experience certificates shall not be entertained.

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 or specialized agencies as per the **Eligible Criteria** given below for the work of:-
Name of work: Running and operation of 250 KVA D.G. Set and submersible pump set at Kakrola Pump House and annual maintenance of 250KVA/ 62.5KVA/ 30KVA/ 20KVA/ 15KVA D.G. Sets at NSIT.

The enlistment/eligibility 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.

Eligibility Criteria: The Agencies must have satisfactory executed three similar works in Govt. Departments each of value 40% of estimated cost or two works each of 50% of estimated cost as one work of 80% of estimated cost during last 5 years. The applications not supported with requisite experience certificates shall not be entertained.

- 1.1 The work is estimated to cost **Rs. 4,25,268.00**. 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 **One Year** 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. 8505.00** 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: Running and operation of 250 KVA D.G. Set and submersible pump set at Kakrola Pump House and annual maintenance of 250KVA/ 62.5KVA/ 30KVA/ 20KVA/ 15KVA D.G. Sets at 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: Running and operation of 250 KVA D.G. Set and submersible pump set at Kakrola Pump House and annual maintenance of 250KVA/ 62.5KVA/ 30KVA/ 20KVA/ 15KVA D.G. Sets at 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. 8505.00** 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 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: Running and operation of 250 KVA D.G. Set and submersible pump set at Kakrola Pump House and annual maintenance of 250KVA/ 62.5KVA/ 30KVA/ 20KVA/ 15KVA D.G. Sets at NSIT.

Estimated cost of work: **Rs. 4,25,268.00**

- i) Earnest money: **Rs. 8505.00**
- 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	Market Rates
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 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.

12 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.
- 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.
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.

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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.

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Scope of work

A: Running and Operation

1. The firm shall have to engage well-trained and skilled one operator and one helper during working hours of Institute and one skilled operator at Kakrola Pump House round the clock. The operator should be ITI holder.
2. The firm shall have to arrange small items like cotton waste, old dhotis, PVC tape & tools to their staff for routine cleaning of DG Set, Batteries & Panels.
3. The service contract is complete for 12 months.
4. The Contractor should have telephone facility round the clock.
5. The payment shall be made after expiry of each quarter.
6. In case operator, helper not available at site a penalty of Rs. 250.00 per operator and Rs.150.00 per helper per day will be imposed for each day's absence for each person.
7. The contract can be terminated at any time without assigning any reason, if the work is not satisfactory by giving 15 days notice to the firm/contractor.
8. The separate DG Log Book shall be supplied and maintained by the agency for each D.G.set.
9. No T & P shall be issued to the contractor departmentally.
10. The contractor shall provide uniform to each staff.
11. The testing of DG Set shall be done five minutes by the operator daily in the morning, the routine cleaning and maintenance of batteries, terminals, panels & DG Set shall be done daily.

B: Maintenance Contract

1. The Agency will depute Sr. Service Engineer both Mechanical and Electrical once in a month to check and upkeep the following parts of 250 KVA/63 KVA/30 KVA/20 KVA/15 KVA DG Sets.
 - i) **Engine:** To check the level of oil, oil pressure, leakage and the smooth working of all the associated parts of engine, topping up the level of oil & water if required.
 - ii) **Alternator:** Checking of mounting bolts and coupling bolts for tightness, checking IR valves of alternator insulations, checking bearing for grease if required. Cleaning of alternator, tightening the loose connections and cable end terminations, checking for vibration, voltage, frequency, RPM carbon brushes etc.
 - iii) **Control:** Cleaning of panel MCCB's contactor relays and panel timers with blower and CTC solution, checks for control & power wiring, tightness of connections and fuses, correctness and calibration of all meters, relays, contactors and MCCB's as and when required.
 - iv) **Batteries:** Tightness of connections, cleaning of terminals and applying petroleum jelly, checking specific gravity of electrolyte of each cell and checking the charging system.
 - v) **Cooling:** Checks for any leakage of radiator, filling of system coolant if required to check the condition of hose pipes, jubilee clamps, V-belts and repair of all the parts as required.
 - vi) **Fuel system:** Checking & repair of fuel pump, fuel pipelines and hoses, cleaning the fuel tanks etc.
 - vii) **Periodic:** The agency will carry out all services/maintenance recommended by manufacturer such as:
 - a) B check maintenance at 250 hrs. or six months whichever is earlier.
 - b) C check maintenance at 1500 hrs or one year whichever is earlier.

- viii) **Starting and Testing:** After carrying out all checks the performance of DG Sets shall be observed and the parameters of all the parts & meters should be within limit.
 - ix) **Service at call:** In addition to the monthly visits the agency will provide its services in case of any fault/emergency or as and when required without any extra charges and within 24 hours.
2. **Cost of Spare Parts:** All the minor spare parts shall be supplied by the agency, free of cost and shall be as per recommended by the manufacturer of the Engine.

The following works are not included in the Scope of work:

- a) Supply of major contactors, MCCB's relays, Batteries, Piston, Piston linear, Injector nozzles, fuel pumps, Radiator fan and internal parts of the engines.
 - b) Calibration of injectors & nozzles.
 - c) Re-winding of alternator & exciter.
 - d) Diesel, Mobile oil and Distilled water shall be supplied departmentally.
 - e) D check of the engine.
3. **Penalty:** The following recoveries shall be made from the agency's quarterly bill for every missed visit:
- a) Sr. Engineer's (Electrical/Mechanical) Monthly missed visit Rs. 500/-.
 - b) Fault remains unattended for more than 24 hours. Rs. 500/-

EXECUTIVE ENGINEER(C)/M

NETAJI SUBHAS INSTITUTE OF TECHNOLOGY

Schedule of Quantity

Name of work: Running and operation of 250 KVA D.G. Set and submersible pump set at Kakrola Pump House and annual maintenance of 250KVA/ 62.5KVA/ 30KVA/ 20KVA/ 15KVA D.G. Sets at NSIT.

Sl. No.	Description of Items	Unit	Qty.	Rate	Amount
1.	Running and operation of 250 KVA, 2 Nos. (one stand by) DG Set coupled with water cooled diesel engine alternator 415 V, 50 Hz Greaves/Stampford make including all other accessories AMF control panel, diesel tank etc. during office hours (Monday to Saturday) including Sunday, holiday and beyond office hours in case of urgency as and when required for 12 months only.	Each per month	01 No. for 12 month		
2.	Annual maintenance of following capacities DG sets of Kirloskar or Crompton make complete with supplying and replacement of defective parts i.e. oil filter, diesel filter, air filters, rocker cover gaskets, water separator twice in a year exhaust inlet gaskets, fuel pipes, water hose set, diesel hose pipes, descaling of radiator, (once in a year) including Copper washers set and replacement of carbon brushes, repairing of self, rectifier plates etc. as per scope of work as and when required: a) 250 KVA DG Sets (at sub-station -11) b) 62.5 KVA DG Sets (at pump house of NSIT) c) 30 KVA DG sets (at near R. No. 13 Admn. Block & Kakrola pump house) d) 20 KVA DG sets (at Sub-station -11 & 2 and Kakrola pump house) e) 15 KVA DG sets (at Sub-station -01)	Each per month Each per month Each per month Each per month Each per month	02 Nos. for 12 month 02 Nos. for 12 month 02 Nos. for 12 month 03 Nos. for 12 month 01 No. for 12 month		
3.	Running and operation of submersible pump sets & DG sets at Kakrola Pump House in round clock (in three shifts) etc. as required.	Each per month	1 Job for 12 months		

Executive Engineer (C)/M