

NATIONAL HOUSING BANK
ESTATE DEPARTMENT
NEW DELHI

TENDER FOR

SITC OF SERVO STABLIZER WITH ACCESSORIES AT 3RD FLOOR, DATA
CENTRE

NEW DELHI

Issued to: M/s _____

Last date of submission Of Tender:

Form of Tender

Place _____

Date _____

Shri -----

National Housing Bank

New Delhi

Dear Sir,

Having examined the specifications and schedule of quantities relating to the works specified in the memorandum herein after set out and having visited and examined the site of the work specified in the said memorandum and having acquired the requisite information relating thereto as affecting the tender, I/We hereby offer to execute the work specified in the said memorandum within the time specified in the said memorandum at the rates mentioned in the attached schedule of quantities and in accordance in all respect with the specifications and instructions in writing referred to in conditions of tender, the Articles of Agreement, Special Conditions, Schedule of Quantities and Conditions of Contract and with such materials as are provided for, by, and in all other respect in accordance with such conditions so far as they may be applicable.

MEMORANDUM

(a)	Description of work	SITC OF SERVO STABLIZER WITH ACCESSORIES at DATA CENTRE, 3 rd Floor
(b)	Estimated cost	₹ 3.45 Lakhs
(c)	Earnest Money	Rs. 5,000
(d)	Percentage, if any, to be deducted from bills	5%
(e)	Time allowed for completion of the works from tenth day after date of written order to commence work	20 Days

2. Should this tender be accepted, I/We hereby agree to abide by and fulfill the terms and provisions of the said Conditions of Contract annexed hereto so far as they may be applicable or in default thereof to forfeit and pay to the NHB the amount mentioned in the said conditions.
3. I/We have deposited a sum of Rs. 5,000 as earnest money which amount is not to bear any interest. Should I/We fail to execute the contract when called upon to do so, I/We do hereby agree that this sum shall be forfeited by me/us to the National Housing Bank.
4. The lists showing the particulars of works carried out and the names of manufacturers of Specialized items, as required, are enclosed.
5. Our bankers are :

(i)

(ii)

The names of partners of our firm are :

(i)

(ii)

Name of the partner of the firm authorized

to sign

OR

Name of person having Power of Attorney

to sign the Contract. (Certified true : Copy

of the Power of Attorney should be

Attached).

Yours faithfully,

Signature of Contractor

ARTICLES OF AGREEMENT

ARTICLES OF AGREEMENT made the _____ day of _____, between the National Housing Bank (NHB), having its Office at Core 5A, 4th Floor, India Habitat Centre, New Delhi - 110003 (hereinafter called "THE EMPLOYER") on the one part and _____ (hereinafter called "THE CONTRACTOR") on the other part.

WHEREAS the Employer is desirous of doing SITC OF Servo Stabilizer at Data Centre at 3rd floor, at New Delhi with Schedule of Quantities and specifications describing the work to be done.

AND WHEREAS the said Specifications and the Schedule of Quantities have been signed by or on behalf of the parties hereto.

AND WHEREAS the Contractor has agreed to execute upon and subject to the conditions set forth in the Conditions and in the Schedule of Quantities and Conditions of Contract (all of which are collectively hereinafter referred to as "the said Conditions") the works described in the said Specifications and included in the said Schedule of Quantities at the respective rates therein set forth amounting to the payable there under (hereinafter referred to as "the said Contract Amount").

NOW IT IS HEREBY AGREED AS FOLLOWS :

1. In consideration of the said Contract Amount to be paid at the time and in the manner set forth in the said Conditions, the Contractor shall upon and subject to the said Conditions execute and complete the work shown upon the said Drawings and described in the said Specifications and the Schedule of Quantities.
2. The Employer shall pay the Contractor the said Contract Amount, or such other sum as shall become payable, at the times and in the manner specified in the said Conditions.
3. The said Conditions and Appendix thereto and the correspondence attached hereto shall be read and construed as forming part of this Agreement and the parties hereto shall respectively abide by and submit themselves to the said Conditions and the correspondence and perform the agreements on their part respectively in the said Conditions and the correspondence contained.

4. The plans, agreement and documents mentioned here in shall form the basis of this contract.
5. This Contract is an item rate contract to be paid for according to the actual quantities of the various items, including additional items, if any, for the completion of work as contained in Schedule of Quantities or as provided in the said conditions and all as per specifications.
6. The Contractor shall afford every reasonable facility for carrying out of all works of other Contractors, if appointed by the Employer, and shall make good any damages done to walls, floors etc. after the completion of such works.
7. Time shall be considered as the essence of this Contract and the Contractor hereby agrees to commence the work/job from the 3rd day of issue of formal work order as provided for in the said conditions and to complete the entire work specified within 20 Days subject to nevertheless to the provisions for extension of time.
8. All payments by the Employer under this Contract will be made only at New Delhi.
9. All disputes arising out of or in any way connected with this Agreement shall be deemed to have arisen at New Delhi and only Courts in New Delhi shall have the jurisdiction to determine the same.
10. That the several parts of this Contract have been read by the Contractor and fully understood by the Contractor.

IN WITNESS WHEREOF the Employer and the Contractor have set their respective hands to these presents and two duplicates hereof the day and year first hereinabove written.

(If the Contractor is a partnership or an individual)

IN WITNESS WHEREOF the Employer has set its hands to these presents through its duly Authorised official and the Contractor has caused its common seal to be affixed hereunto and the said two duplicates / has caused these presents and the said two duplicates hereof to be executed on its behalf, the day and year first herein above written.

(If the Contractor is a Company)

Signature Clause

SIGNED AND DELIVERED by the National Housing Bank by the hand of Shri

.....
(name & designation)

in the presence of

1)

Address :

.....

2)

Address :

.....

Witness

Address :

.....

GENERAL CONDITIONS

1. Sealed Tenders in duplicate shall be addressed (by name) to Sh. –DGM (ESTATE) National Housing Bank, New Delhi and super scribed " the SITC of Servo Stabilizer at Data Centre at 3rd floor at New Delhi " and sent so as to reach him not later than **3.00 PM on 15/03/2011**. No tender will be received after due date and time.

The tenderer will have to deposit an **EMD of Rs 5,000 by D.D.** payable in the name of NATIONAL HOUSING BANK , New Delhi payable at New Delhi. The EMD of Unsuccessful tenderer will be released after award of work. The EMD of successful tenderer will be refunded after completion of work and due fulfillment of agreement.

2. (a) The tenders shall be opened at **4.00 P.M. on 15/03/2011** at this office in the presence of tenderers or their representatives should they choose to be present.

(b) The tenderer must use only forms issued by the Employer to fill in the rates.

(c) Rates should be quoted both in figures and words in columns specified.

(d) The tender submitted on behalf of a firm shall be signed by all the partners of the firm or by a partner who has the necessary authority on behalf of the firm to enter into the proposed contract.

Otherwise the tender is liable to be rejected.

(e) Contractors are advised to quote the rates for every item of work shown in THE SCHEDULE OF QUANTITIES to enable NHB to analyze workability and reasonableness of the tenders.

(f) The tenderer shall submit along with his tender, a list mentioning the names of manufacturers of items which he proposed to use in the work if his tender is accepted.

(g) A schedule of probable quantities in respect of each work and specifications accompany these Special Conditions. The schedule of probable quantities is liable to alteration by omissions, deductions or additions at the discretion of the Employer. Each tender should contain not only the rates but also the value of each item of work entered in a separate column and all the items should be totaled in order to show the aggregate value of the entire tender.

3. Tenders shall remain open to acceptance by National Housing Bank (NHB) for a period of 30 days from the date of opening of the Tenders, which period may be extended by mutual agreement and the Tenderer shall not cancel alter or withdraw the Tender during this period.

4. National Housing Bank does not bind itself to accept the lowest or any tender and reserves to itself the right to accept or reject any or all the Tenders either in whole or in part, without assigning any reasons for doing so. The National Housing Bank also reserves the right to divide the order between two or more tenderers and the contractor shall carry out even the part orders for various items.

5. Time shall be considered as the essence of the contract and the successful Tenderer shall carry out the entire job within a period of 20 Days from the 3rd day of the issue of formal letter of acceptance of the Tender. In case the contractor fails to complete the entire work within the time stipulated or Authorized extended period, liquidated damages at the rate of 1/2% per week subject to maximum of 20% of the tendered cost would be recovered from him/them. NHB will pay interest for delayed payments @3% per annum after the period of honoring certificates of payment which is 10 Days for running bills and One month for final bill.

6. The contractor should note that the Tender is on item-rate basis and rate quoted for each item shall be self supporting and sufficient to carry out each item of work in the schedule of quantities considering the different items and activities involved with their due specification as per practice and as stipulated in the Tender.

The contractor shall clearly understand the scope of work and items to be carried out before quoting. The Tenderers shall see the site before quoting for the work. They shall also note the following :

- (i) the detailed item wise work .specifications
- (ii) All the approved brands of materials.

7. The Tenderer must obtain for himself on his own responsibility and at his own expense all the information which may be necessary for the purpose of Tendering and for entering into a contract and must inspect the site of the work and acquaint himself with all local conditions, means of access to the work, nature of the work and all matters pertaining thereto.

8. The rates quoted in the Tender shall be for completing the work according to the detailed specifications including supplying material, labour, scaffolding etc. at site. The rate shall also include sales tax on works contract, excise duty, octroi and any other tax and duty or other levy levied by Central Government or State Government or any Local Authorities. The rates shall be firm and shall not be subject to exchange variations, labour conditions, fluctuations in railway freights or any conditions whatsoever. The rates shall also include transportation, loading and unloading, freight charges, transit, insurance, removal of debris, cleaning of site etc. The rate shall also include handling, transportation from store to place of work of the materials to be supplied by NHB.

9. Immediately on receipt of intimation from NHB of acceptance of the Tender, the successful Tenderer shall execute an agreement and start the work and the written acceptance of the NHB of a Tender will constitute binding contract between the National Housing Bank and the firm so tendered even if the formal agreement is not executed subsequently.

10. Defect Liability Period : Any defect or fault which may appear during 12 months from the date of virtual completion of work/or supply and installation in full as specified under the contract, arising in the opinion of the NHB's Authorised person from materials or workmanship not in accordance with the contract, shall upon the directions in writing of NHB's Authorised person, and within such reasonable time as shall be specified therein, be amended and made good by the Contractor at his own cost and in case of default, NHB may employ and pay other persons to amend and make good such defects/faults and damages, loss and expenses consequent there upon or incidental thereto shall be made good and borne by the contractor and such damages, loss and expenses shall be recoverable from him by NHB, or may be deducted by NHB upon the NHB's Authorised person's certificate in writing from any money due or that may become due to the contractor. The contractor shall remain liable under the provisions of this clause notwithstanding the signing by the NHB's Authorised person any certificate or passing of any accounts.

11. Each of the Tender documents is required to be signed by the person or persons submitting the Tender in token of his/their having acquainted himself/themselves with the Special Conditions, Specifications, Schedule of Quantities etc. as laid down. Any Tender with any of such documents not signed is liable to be rejected.

12. The Tender must be filled in English or Hindi and all entries must be made by hand and written in ink. If any document is missing or unsigned the Tender is liable to be considered invalid.
13. All erasures and alterations made while filling the Tender must be attested by initials of the Tenderer. Overwriting of figure is not permitted, failure to comply with any of these conditions will render the Tender void. No advice of any change in rate or conditions after the opening of the Tender will be entertained.
14. Each Tender should contain not only the rates but also the value of each item of work entered in a separate column and all items should be totaled up to show the aggregate value of the entire Tender.
15. The contractor shall arrange to get all the samples of materials to be used in the work approved from the employer.
16. Time shall be considered as the essence of the contract. NHB reserves the right to terminate the contract if the contractor fails to execute the job within the specified period or fail to keep the program of work as per the program given by the contractor and approved by NHB.
17. Firm Should depute qualified and trained personnel only. NHB shall not be responsible for any accident during the work.
18. 5% of the total value of work done will be withheld from their bills by NHB as Retention Money. The Retention money shall be released after satisfactory completion of defect liability period of 12 months and after due rectification of defects pointed out during Defect liability period.
19. The contractor shall quote rates in the Schedule of Quantities considering all the conditions mentioned above and elsewhere in the Tender.
- 20 The quantities mentioned in the tender are approximate and may vary on either side. Any surplus item left will not be paid and shall be returned to the contractors without any payment. Contractor are advised to measure the quantities before procuring the same .

21. Mode of Payment

Payment shall be made based on the completion of the work on actual site measurement. 5% Retention Money shall be deducted from the payment .In addition , I.T. Surcharge , W.C.T. tax and any other statutory tax as per the Government rules shall be deducted from the bill. No Material at site will be paid.

22. In all matters of dispute arising on the work, the matter shall be referred to **New Delhi** for a decision. If this decision is not acceptable to the parties, then the same shall be settled as per the latest Arbitration Act.

23. Insurance Clause

The contractor shall be responsible for all injury to persons, animals or things and for all structural and decorative damage to property which may arise from the operation or neglect of himself or of any nominated sub-contractor's employees, whether such injury or damage arise from carelessness, accident or any other case whatever in any way connected with the carrying out of the contract. This clause shall be held to include, inter-alia, any damage to buildings, whether immediately adjacent or otherwise, and any damage to roads, streets, footpaths, bridges or ways as well as all damage caused to the buildings and works forming the subject of this contract, by frost or other inclemency of weather. The contractor shall indemnify the Employer and hold him harmless in respect of all and any expenses arising from any such injury or damage to persons or property as aforesaid and also in respect of any claim made in respect of injury or damage under any Acts of Government or otherwise and also in respect of any award of compensation or damages consequent upon such claims.

The contractor shall reinstate all damages of every sort mentioned in this clause, so as to deliver up the whole of the contract works complete and perfect in every respect and so as to make good or otherwise satisfy all claims for damage to the property or third parties.

The contractor shall indemnify the Employer against all claims which may be made against the Employer by any member of the public or other third party in respect of anything which may arise in respect of the works or in consequence thereof and shall at his own expenses arrange to effect and maintain, until the virtual completion of the contract with an approved office, a policy of insurance in the joint names of the Employer and the Contractor against such risks and deposit such policy or policies with the Employer from time to time during the currency of this contract. The contractor shall also similarly indemnify the Employer against all claims which may be made upon the Employer whether under the Workmen's Compensation Act or any other statutes in force during the currency of this contract or at

Common Law in respect of any employee of the contractor or any sub-contractor and shall at his own expense effect and maintain, until the virtual completion of the contract, with an approved office a policy of insurance in the joint names of the Employer and the Contractor against such risks and deposit such policy or policies with the Employer from time to time during the currency of the contract.

The minimum limit of the coverage under the third party insurance policy shall be Rs.2 lakhs per person for any one accident or occurrence and Rs.5 lakhs in respect of damage to property for any one accident or occurrence.

The Contractor shall be responsible for anything which may be excluded from the insurance policies referred to above and also for all other damages to any property arising of and incidental to the negligent or defective carrying out of this contract. He shall also indemnify the Employer in respect of any costs, charges or expenses arising out of claim or proceedings of damage arising there from.

The Employer shall be at liberty and is hereby empowered to deduct the amount of any damage compensation, costs, charges and expenses arising or occurring from or in respect of any such claims or damage from any or all sums due or to become due to the contractor.

In addition to the above, the Contractor shall insure the work against loss due to fire, for the entire contract amount with an approved insurance company till the virtual completion of the work.

24. The Contractor shall not assign the Contract. He shall not sublet any portion of the Contract except with the written consent of the Employer. In case of breach of these conditions, the Employer may serve a notice in writing on the contractor rescinding the Contract whereupon the security deposit shall stand forfeited to the Employer, without prejudice to his other remedies against the contractor.

25. The rates quoted in the tender shall include all charges for scaffolding, centering, hire for any tools and plants, sheds for material, marking out and clearing of site, watering as mentioned in the specifications. The rates quotes shall be deemed to be for the finished work to be measured at site. The rates shall also be firm and shall not be subject to exchange variations, labour conditions, fluctuations in railway freights or any conditions whatsoever. Tenderers must include in their rates, sales tax, sales tax on works contract, excise duty, octroi and any other tax and duty or other levy levied by the Central Government or any State Government or Local

Authority, if applicable. No claim in respect of sales tax, excise duty, octroi or other tax, duty or levy shall be entertained by the Employer.

26. The Contractor shall not be entitled to any compensation for any loss suffered by him on account of delays in commencing or executing the work; whatever the cause of delays may be, including delays arising out of modification to the work entrusted to him or in any sub-contract connected therewith or delays in awarding contracts for other trades of the project or in commencement or completion of such works or in procuring Government controlled or other building materials or in obtaining water and power connections for construction purposes or for any other reason whatsoever and the Employer shall not be liable for any claim in respect thereof. The Employer does not accept liability for any sum besides the tender amount, subject to such variations as are provided for herein.

27. The successful tenderer is bound to carry out any items of work necessary for the completion of the job even though such items are not included in the quantities and rates. Schedule of instructions in respect of such additional items and their quantities will be issued in writing by the Employer.

28. The Contractor shall provide everything necessary for the proper execution of the works according to the intent and meaning of the Schedule of Quantities and Specification taken together whether the same may or may not be particularly shown or described therein provided that the same can reasonably be inferred there from, and if the contractor finds any discrepancy in the Schedule of Quantities and Specification, he shall immediately and in writing refer same to the Employer who shall decide which is to be followed.

29. The Contractor shall bring to the attention of the Employer all notices required by the said Acts, Regulations and Bye-Laws to be given to any Authority and pay to such Authority, or to any Public Office all fees that may be properly chargeable in respect of the works, and lodge the receipts with the Employer.

30. No alteration, omission or variation shall vitiate this Contract but in case the Employer think proper at any time during the progress of the works to may any alteration in or addition to or omissions from the works or any alteration in the kind or quality of the materials to be used therein and shall give notice thereof in writing and under his

hand to the Contractor, the Contractor shall alter, add to or omit from as the case may require, in accordance with such notice, but the Contractor shall not do any work extra to or make any alternations or additions to or omissions from the work or any deviation from any of the provisions of the Contract, stipulation, specification without the previous consent in writing of the Employer and the value of such extras, alterations, additions or omissions shall in all cases be determined by the Employer, and the same shall be added to or deducted from the Contract Amount accordingly.

31. The rates quoted shall include the following.

- (i) Removal and carting away all the debris from Bank's premises after cleaning the floors etc. with water and removing all paint spots & stains by using any approved paint remover to the satisfaction of the Employer.
- (ii) Before commencing the work the cracks or holes etc. shall be filled in as directed.
- (iii) Double scaffolding (wherever applicable) up to floor height in each floor.
- (iv) All articles of furniture, equipment etc. shall be protected by covering with cloth or tarpaulin etc. and the furniture rearranged and floors cleaned and mopped after the day's works.
- (v) Curing the items of work involving the use of cement and waterproof paints.
- (vi) The work shall be carried out both during/after office hours in case of office building.

I/We hereby declare that I/we have read and understood the above instructions and the same will remain binding upon me/us in case the work is entrusted to me/us.

Place :

Signature of Tenderers

Date :

with the seal of their Company

SPECIAL CONDITIONS

1. The workmen will not be allowed to stay within the premises.
2. The water required for workmen can be availed from the available source in office free of cost.
3. The electric power required for the work can also be similarly drawn from the supply available in office free of cost.
4. Permission, if any, required from the local bodies shall be obtained by the Contractor.
5. The intending Tenderer can obtain any clarifications regarding the Tender, drawings, specifications etc. from the department on any NHB's working day.
6. The Tenderer may please note that, the work has to be carried out during the day time or as per NHB's instructions. Therefore, the entire work involved shall be carried out with least disturbance to the employees of the captioned office and also day-to-day cleaning, when ever required, has to be done by the contractor. The wall/slab/column should be cut, if required, by chase cutter only.
7. The contractor shall prepare three copies of as done drawing after completion of the work and shall submit along with the final bill. Without submission of the drawings final payment shall not be released.
8. The entire materials for the work shall be brought to the working area through the staircase and no freight lift will be available for lifting materials.
9. The debris/dust or any wastage generated out of the above work shall be cleaned as frequently as required and as instructed by NHB's Authorised person.
10. All dismantling work and work generating noise shall be done after office hours and on holidays and day time such work shall have to be done on restricted hours. Contractor has to make availability of labour and supply of material during the Evening & night time for such work. Contractor shall take into account the above facts while quoting the rates.
11. The Tenderer shall remove all the debris collected at site (from NHB's premises) on everyday basis. The staircase and passages used by the labour shall be cleaned properly, as per the entire satisfaction of NHB's Authorised person.

12. The contractor shall depute a qualified supervisor during execution of the work .No work shall be carried out at site in unsupervised manner.

13.The Tenderer shall use only approved brands of materials where ever given in the Annexure. NHB will be at liberty to choose any brand of materials from the names given therein, in absence of any such choice indicated by the tenderer.

Place:

Signature of the Tenderer

Date:

Name & address

Phone No. :

SPECIFICATIONS FOR ELECTRICAL ITEMS

- 1 All the dismantling work should be done carefully, without causing much disturbances to the working of office and other contractor working in the same area.
- 2 While finishing the chase cut surface after fixing of conduits/ cables first saddles, nails will be provided on chased area and then up to required level sand-cement plaster shall be done in proper line and level with the existing surface. All the drops below false ceiling shall be in concealed manner only.
- 3 Neutral is to be provided in all the light/fan switch boards. No joints are allowed in the ceiling roses .
- 4 No circuit shall include more than 800 Watt or 8 light points. In power circuits, maximum two power points shall be allowed to loop.
- 5 The cost of laying circuit wiring is to be included in the cost of point wiring and no extra payment shall be made on this account.
- 6 All the specifications for works ,materials etc. shall be as per the relevant I.S. Specification (latest edition).
- 7 There should not be any bare wire in false ceiling.
- 8 Drop of cable from false ceiling to DB shall be in PVC conduit laid in concealed manner.
- 9 The connection in the DB shall be using bottle type copper thimbles. The Distribution boards to be installed at site shall be pre-wired type.

Following color code shall be used for wiring:

SNO	Phase	Color	SNO	Phase	Color
1	Red	Red	4	Neutral	Black
2	Yellow	Yellow	5	Earth	Green
3	Blue	Blue			

Wiring done without color coding shall be summarily rejected.

11. All the existing fittings, fans , A. C. Grills etc. shall be re- used . As such the dismantling work shall be done with utmost care . Any damage to the fittings/ appliances shall be made good by the contractor without any financial implication to NHB.

12. **Servo stabilizer**:-Air cooled, input voltage A.C 350 to 500 Volts, regulation +- 0.5% in full load **with inbuilt bypass changeover**, unbalanced type, response time 10 millisecond, with all necessary A.C volt meter for input and output. Indication low high and normal with high insulation. Efficiency more than 97 %, auto and manual mode for output voltage adjustment if required.

Place :

Date :

Signature of the Tenderer

APPENDIX HEREINBEFORE REFERRED TO

- *Defects Liability Period : Twelve months
- *Period of Final Measurement
virtual completion : 15 Days from the date of
- *Date of commencement : From 3rd day of Date of work order
- *Time of completion : 20 Days
- *Rate of Liquidated Damages
Of Tendered Amount : Rs. 1/2% per week subject to max. of 20 %
- *Value of works for interim certificates : Rs 1 Lakh
- *Retention percentage : 5%
- *Interest for delayed payment : 3 % per annum

Place :

Date :

Signature of the Tenderer

APPROVED MAKE OF ELECTRICAL MATERIALS

- | | | |
|--|---|---|
| 1. Servo Stabilizer | : | Logistate, Venert, Spectron, B.B, Crompton Greaves, LDS, Power Control, Hindustan, Servocon systems Ltd,. |
| 2. Powercable
(armoured/unarmoured) | : | NATIONAL,CCI,NICCO,
GLOSTER,POLYCAB, Havells |
| 3. M.S. Conduits (16 SWG) | : | AKG, SUPREME,POLYPACK,BEC |
| 4. Brass Gland and Sockets
(Al & Cu) | : | DOWELL ,SIEMENS ,COMET |
| 5. Change over Sw, DBs &
MCBs | : | HAGER,LEGRAND, Havells |
| 6. PVC CopperWires
(Stranded)FRLS | : | FINOLEX,NATIONAL,POLYCAB,
Havells |
| 7. MCCB | : | L&T, Alsthom, Siemans |
| 8. PVC Rigid Conduit | : | AKG, SUPREME ,PRECISION,Kalinga |
| 9. Industrial Plug Sockets | : | MDS , HAGER,Havells |
| 10. Heavy duty pvc conduit
pipe, bends,
inspection/junction
boxes, etc. | : | Precison, AKG, Kalinga |
| 11. Change over switch | : | Socomac, Crompton, havells, Grives, |

ELECTRICAL TESTS TO BE CONDUCTED BEFORE HANDINGOVER OF WIRING

- Meggering tests
- Polarity test
- Continuity Test
- Earthing in plug points
- No. of points per circuit should not be more than 10 points or 800 Watts

System of Wiring

- Dismantling of Existing wiring.
- Laying of conduits pipes in underground manner as per Indian Electricity act
- Drawing of PVC wires in conduits as per Indian Electricity act.
- Plaster repairing and matching with surroundings.
- Testing of circuits as mentioned above.
- Energisation.
- Testing for 2 4 hours.
- Handing over for usage.

The wiring will be done as per rules laid down by Indian Electricity act .One point sample wiring should be got approved before executing the work.

Place :

Signature of Tenderers

Date :

with the seal of their Company

SAFETY CODE

1. There shall be maintained in a readily accessible place, first aid appliances including adequate supply of sterilised dressings and cotton wool.
2. An injured person shall be taken to a public hospital without loss of time, in cases where the injury necessitates hospitalization.
3. Suitable and strong scaffolds should be provided for workmen for all works that can not safely be done from ground.
4. No portable single ladder shall be over 8 meters in length. The width between the said rails shall not be less than 30 cms (clear) and the distance between two adjacent rungs shall not be more than 30 cms. When a ladder is used, an extra mazdoor shall be engaged for holding the ladder.
5. The excavated material shall not be placed within 1.5 meters of the edge of the trench or half of the depth of trench whichever is more. All trenches and excavations shall be provided with necessary fencing and lighting.
6. Every opening in the floor of a building or in a working platform be provided with suitable means to prevent the fall of persons or materials by providing fencing or railing whose minimum height shall be one metre.
7. No floor, roof or other part of the structure shall be so overloaded with debris or materials as to render it unsafe.
8. Workers employed on mixing and handling materials such as asphalt, cement mortar or concrete and lime mortar shall be provided with protective footwear and rubber hand gloves.
9. Those engaged in welding works shall be provided with welder's protective eye-shields and gloves.
10. (i) No paint containing lead or lead products shall be used except in the form of paste or readymade paint.
(ii) Suitable facemasks should be supplied for use by the workers when the paint is applied in the form of spray or surface having lead paint dry rubbed and scrapped.
11. Overalls shall be supplied by the Contractor to the painters and adequate facilities shall be provided to enable the working painters to wash during the periods of cessation of work.
12. Hoisting machines and tackle used in the works, including their attachments anchorage and supports shall be in perfect condition.
13. The ropes used in hoisting or lowering material or as a means of suspension shall be of durable quality and adequate strength and free from defects.

Place :

Signature of Tenderers

Date :

with the seal of their Company

NATIONAL HOUSING BANK
ESTATE DEPARTMENT
NEW DELHI

SUB: Supply Installation testing & commissioning of servo stabilizer with accessories for I.T. Department's data centre at 3rd floor.

S No	DESCRIPTION of the items	Qty	Rate	Amount
1	SITC 45 KVA SERVO-STABILIZER (For UPS - 15 kva) servo air cooled input voltage A.C 350 to 500 volts output 400 volts +- 0.5 % with inbuilt bypass changeover	1 No		
2	SITC 40 KVA SERVO-STABILIZER (For UPS - 12 kva) servo air cooled input voltage A.C 350 to 500 volts output 400 volts +- 0.5 % with inbuilt bypass changeover	1 No		
3	SITC 20 KVA SERVO-STABILIZER (For AC- 4.5 Ton 01 NO.) servo air cooled input voltage 350 to 500 volt output 400 volts +- 0.5 % with inbuilt bypass changeover	1 No		
4	SITC 20 KVA SERVO-STABILIZER (For AC- 4.5 Ton 01 NO.) servo air cooled input voltage 350 to 500 volt output 400 volts +- 0.5 % with inbuilt bypass changeover	1 No		
4 a	SITC Change-over 65 Amps for Servo supply, shifting from normal supply to stand by supply. (for Precision AC changeover)	1 No		
b	SITC of change over boxes for change over switches	LS		
c	CABLE-For connecting input and output of stabilizers as required as well as visual warning lights connections for indicating healthy position of all UPS and Air conditioner (visual warning lights to be fixed outside the data centre) a) Cable 16mm copper wire as required. b) Cable 12mm copper wire as required. c) Cable for other ratings as required.	Rate only		
5	a) SITC Commissioning and installation the servo stabilizer (as per specification given above) in the system. Making necessary inter connections with change over unit. Testing & commissioning the system satisfactorily & handing over the same to Bank along with visual warning system.	LS		
TOTAL				

Our firm has seen the location, understood the feasibility for installing the system accordingly we have quoted the rate.

Date:

Signature:

Office stamp:

Name:

Tel No: