

<p>GOVERNMENT OF INDIA</p> <p>PLANNING COMMISSION</p> <p>UNIQUE IDENTIFICATION AUTHORITY OF INDIA</p> <p>(herein after referred as UIDAI)</p>	
<p>TECHNO COMMERCIAL TENDER</p>	
<p>INTERIOR/RENOVATION WORK AT 9TH FLOOR , TOWER-1, JEEVAN BHARTI BUILDING , NEW DELHI - 110001</p>	
<p>TO BE SUBMITTED TO :</p>	<p>ADG(Admin) UIDAI,</p>
<p>ARCHITECT & ENGINEERS :</p>	<p>M/S MATHUR UGAM & ASSOCIATES A-1/294, SAFDARJUNG ENCLAVE NEW DELHI- 110029, PH.NO- (011)26185711, 26100971</p>
<p>UIDAI :</p>	<p>UIDAI, 2nd Floor, Tower-1, Jeevan Bharti Building, Connaught Place, New Delhi-110 001. [acting through the Engineer-in-Charge]</p>
<p>BID SUBMITTED BY :</p>	<p>M/S _____ Address _____ _____</p>

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UNIQUE IDENTIFICATION AUTHORITY OF INDIA

PRESS NOTIFICATION

Sealed tenders are invited by the Unique Identification Authority of India (UIDAI) New Delhi in the prescribed forms and as per following details:-

Description of work : Remodeling/Renovation and construction of interiors including but not limited to all services, electrical, air-conditioning, communication & data cabling, fire & security systems and allied works as per the scope of work and specifications and standards etc. stipulated in the prescribed tender form.

Place of work: 9th Floor, Tower-I, Jeevan Bharti Building, Connaught Place, N. Delhi.

Estimated cost of remodeling & renovation work: Rs.2.00 crores (approximate)

Time for completion: 75 days from the date of issue of letter of acceptance.

Pre-requisite experience: The tenderer should have carried out similar work for Central / State Government / PSU / Autonomous body controlled by the Central Govt. for 3 (three) works each costing equal to or more than Rs.2.00 crores in the past 3 (three) years or a single work costing equal to or more than Rs.6.00 crores in the past 3 (three) years. Stipulated proof required.

Earnest money: Rs.2.00 lacks through Demand Draft / Banker Cheque in favor of "PAO, UIDAI, New Delhi" payable at New Delhi.

Tender for availability: The tender document shall be available for a sum of Rs.1000/- (non-refundable) payable through Demand Draft / Banker Cheque in favor of "PAO, UIDAI, New Delhi" payable at New Delhi from 15th March, 2011 on all working day during office hours between 1000 hrs to 1600 hrs. at the Admin. Section, 2nd Floor, Tower-I, Jeevan Bharti Building, Connaught Place, New Delhi.

b) The same can also be downloaded from the UIDAI website <http://uidai.gov.in>

c) Such downloaded tender shall be accompanied by a demand draft / bankers cheque of Rs.1000/- (non-refundable) in favour of "PAO, UIDAI, New Delhi", payable at New Delhi.

Date of submission of tender: The last date for submission of tenders shall be upto 1600 hrs. of 7th April. 2011. To be dropped into the tender box.

Place of submission of tender: The tender box placed in the Lobby of UIDAI Headquarter office, 2nd Floor, Tower-I, Jeevan Bharti Building, Connaught Place, New Delhi.

Date of opening of tenders: At 1630 hrs of 7th of April, 2011 in the conference hall at UIDAI Headquarter Office, 3rd Floor, Tower-II, Jeevan Bharti Building, Connaught Place, New Delhi.

It must be noted that unsealed tenders and / or tenders not accompanied by EMD and / or Rs.1000/- for downloaded tender shall be rejected. The tender should be submitted in a sealed envelope which shall clearly state the subject mentioned herein in bold capital letters in dark ink. The UIDAI reserves the right to reject or accept any tender without assigning any reason and UIDAI's decision in all such matters shall be final and binding on all tenderers. The tender is not transferable.

Yours faithfully,

For & on behalf of UIDAI

Sd/-

[RAJAN SAKSENA]

General Conditions and Instructions to Bidders.

1.1 Invitation to tender

- 1.1 The Unique Identification Authority of India (UIDAI) is seeking contractor to carry out the work of **“Remodeling / Renovation and Construction of Interiors for 9th Floor, Tower-1, Jeevan Bharti Building, Connaught Place, New Delhi-110 001 for UIDAI Headquarters Building”** . This tender document presents a background, objectives and Scope of Work (SoW) to be accomplished by the firm contracted.
- 1.2 The tenderers are requested to visit the UIDAI website - **uidai.gov.in as well as the site of work: 9th Floor, Tower-1, Jeevan Bharti Building, Connaught Place, New Delhi-110 001.**

2 Schedule for invitation to tender

2.1 Sale of Tenders

- 2.1.1 The tenders can be obtained after paying the sum of Rs.1000/- in the form of a Bank Draft / Bankers Cheque payable to **"PAO, UIDAI, NEW DELHI", payable at New Delhi**, from the Headquarter office of Unique Identification Authority of India. The address is given below:-

**Unique Identification Authority of India,
2nd Floor, Tower I, Jeevan Bharati Building,
Connaught Circus, New Delhi 110001**

- 2.1.2 The tender can also be downloaded from the UIDAI website **uidai.gov.in** after clicking on the link **"Tenders"**. Such tenders should deposit a bank draft / bankers cheque of Rs.1000/- payable to **"PAO, UIDAI, NEW DELHI", payable at New Delhi** at the time of tender opening.

- 2.2 Address at which tenders are to be submitted is given below. The tender should be dropped into the Tender Box before the opening of the Tender Box is sealed. Tenders submitted otherwise shall not be entertained.

**VENUE:- Tender Box shall be placed in the Lobby of UIDAI Headquarter office,
2nd Floor, Tower I, Jeevan Bharati Building,
Connaught Circus, New Delhi 110001.**

DEADLINE:- The opening for dropping tenders into the Tender Box will be sealed at 1600 Hrs. on dated 07 Apr 2011.

- 2.3 Important dates:

S.No.	Activity	Date
1.	Last date of submission of Tender	07 Apr 2011 by 1600 hrs
2.	Date of opening of Tender	07 Apr 2011
3.	Time of Opening of Tender	1630 hrs
4	Place of Opening of Tender	Conference Hall, UIDAI Hqrs. 3rd Floor, Tower-II, Jeevan Bharti Building, Connaught Place, New Delhi-110 001.

3 Instructions to bidders

- 3.1 The firms shall have to submit their bids in two components: (1) earnest money and (2) Tender itself.
- 3.2 The two components should be contained in two separate envelopes described below. These two envelopes must be contained in one large envelope marked as **“Tender for Remodeling / Renovation and Construction of Interiors for 9th Floor, Tower-1, Jeevan Bharti Building, Connaught Place, New Delhi-110 001 for UIDAI Headquarters Office”** This must be written in bold capital letters on the TOP-CENTRE of the large envelope.
- 3.2.1 Envelope 'A' marked **"EARNEST MONEY"**, super-scribed in bold capital letters on top center of the envelope. This should contain the demand draft / bankers cheque of Rs. 2 Lacs (Rs. Two Lacks Only). Also the bank draft / bankers cheque of Rs. 1,000/- must be placed in his envelop, if the tender document has been downloaded.
- 3.2.2 Envelope 'B' marked "Tender for Remodeling / Renovation and Construction of Interiors for 9th Floor, Tower-1, Jeevan Bharti Building, Connaught Place, New Delhi-110 001 for UIDAI Headquarters Office". This should be super-scribed in bold capital letters on top center of the envelope.
- Note: ***Both the envelopes A & B should be placed in a single large envelope and this large envelope should be sealed and dropped into the tender box as stipulated.***
- 3.3 Bids received after the due date and time, or without necessary bank draft / bankers cheque and documents, will be summarily rejected.
- 3.4 The tenders will be opened on **07 Apr 2011** at **1630 hrs** hrs in the Conference Hall at the UIDAI's H.Q. office at New Delhi. Firms may send one person on their behalf to be present when the tenders are being opened. He is required to sign the Tender Opening Register.
- 3.5 Bids will be evaluated, and contract shall be awarded to the lowest eligible and acceptable renderer.
- 3.6 Firms may contact Mr. Rajan Saxena, ADG (Admn.) on 01123356057 Mobile No.098188 37722 for any clarifications/assistance.

4. **DEFINITIONS**

- a). The 'contract' means document forming the tender and acceptance thereof and the formal agreement executed between the Unique Identification authority of India and the contractor together with the documents referred to therein including these conditions, specifications, design, drawings & instructions issued from time to time by Engineer-in-Charge and all these documents taken together shall be deemed to form one contract and shall be complimentary to one another.
- b). In the contract, the following expressions shall, unless the content otherwise requires have the meanings hereby respectively assigned to them.
- i). **WORK** – The expressions 'Work' shall unless there be something either in the subject or context repugnant to such construction, be construed and taken to mean the works by or by virtue of the contract to be executed whether temporary or permanent and whether original, altered, substituted or additional.
- ii). **SITE** – The 'Site' shall mean 9th Floor , Tower-I, Jeevan Bharti Building , Connaught Place, New Delhi – 110001.
- iii). **UIDAI** - UIDAI shall mean the Unique Identification authority of India, an attached office of the Planning Commission, Govt. of India having its H.Q office at 3rd Floor, Tower-II, Jeevan Bharti Building, Connaught Place, New Delhi acting through the Engineer-in-Charge.

- iv). Engineer-in-Charge - The 'Engineer-in-Charge' or Engineer means the ADG(Admin) authorised by UIDAI who shall sign the contract on behalf of the UIDAI.
- v). Contractor -The contractor shall mean the successful tenderer who is awarded the contract to perform the work covered by these tender documents and shall include the contractor's personal representatives, successors, executors, administrators and will be referred to as if of masculine gender and singular number through the tender documents.
- vi). Tenderer -The 'tenderer' means a party or parties submitting an offer for the work covered by the tender documents.
- vii). SUB-CONTRACTOR – The term 'Sub-Contractor' used herein refers to a party or parties having a direct contract with the contractor to whom any part of the contract has been sublet by the contractor with the prior consent in writing of Engineer-in-Charge.
- viii). MANUFACTURER – The term 'Manufacturer' used here in refers to a party proposing to design and/or manufacturer of the equipments and material as specified complete or in part.
- ix). DETAILED DRAWING – If necessary, additional detailed drawings may be furnished to contractor for execution of the work and they will form part of the contract.
- x). TENDER DRAWING – The term 'Tender Drawing' refers to the drawing made part of the tender documents.
- xi). LETTER OF INTENT/ORDER TO COMMENCE WORK – Letter of intent shall mean the letter from Engineer-in-Charge conveying his acceptance of the tender and order to commence the work subject to such reservations as may have been stated therein. **This is also the letter of acceptance**
- xii). PLANT EQUIPMENT STORES – Plant Equipment shall mean and include Plant and material to be provided by the contractor and work to be done by contractor under the contract.
- xiii). When the word 'approved' , 'subject to approval' , 'satisfactory' , 'Directed' , 'when directed' , 'determined by' , 'accepted' , 'permitted', are used the approval, judgment, direction etc. is understood to be function of the Engineer-in-Charge and shall have the same effect as performed by Engineer-in-Charge.
- xiv). **Inspecting Authority** shall mean any person(s) authorized by the UIDAI from time to time and case to case.
- xv). **COMPLETION PERIOD – shall mean the time allowed for the physical completion of the work starting from the 3rd day of the issue of the Letter of Acceptance or the day of handing over the site whichever is later and ending 75 days thereafter.**

5. DOCUMENTS COMPRISING THE TENDER

- (a) Earnest money will be submitted in the shape of Demand Draft//Banker's Cheque in favor of "PAO, UIDAI, New Delhi", payable at New Delhi. Any tender without deposit of EMD shall not be considered
- (b) Copy of Work done in departments as a proof of working contractor along with requisite documents in support thereof.

- (c) Copy of registration certificate under Delhi VAT Tax Act, 2005 and proof of deposit of last quarter DVAT receipt.
- (d) Copy of EPF registration along with A/c. No. and proof of deposit of EPF (latest receipt).
- (e) Agency shall submit Litigation History / Arbitration case as per format given in Annexure-II
- (f) Copy of certificate from agency certifying that bidder should not be under liquidation, court receivership or similar proceeding.
- (g) Copy of Partnership deed , duly registered /Registration deed under company Act/Affidavit of Sole Proprietorship etc. as the case may be should be furnished.

6. FORMAT AND SIGNING OF TENDERS

- 5.1 If the tender is submitted by a proprietary firm it shall be signed by the proprietor above his full name and the full name of his firm with its current address of the registered office.
- 5.2 If the tender is submitted by a limited company or a limited corporation, it shall be signed by a duly authorized person holding the power of attorney for the firm. A certified copy of the power of attorney shall accompany the tender.
- 5.3 In case of partnership, the Power of Attorney in favour of partner signing the tender issued by the other partners.
- 5.4 All amendments/corrections shall be initialed by the person or persons submitting the tender.
- 5.5 All witnesses and sureties shall be persons of status and probity and their full names, occupations and addresses shall be written below their signatures.
- 5.6 Tender must ensure that each and every page of the tender document must be signed by tenderer in token of his having read the contents of each page of the tender document.

7. TENDER OPENING AND EVALUATION

TENDER OPENING

- 6.1 The tender will be opened on the scheduled date & time as mentioned in tender document. If such nominated date for opening of Tender is subsequently declared as a Public Holiday by the Employer, the next official working day shall be deemed as the date of opening of Technical Package. The Tender of any Tenderer who has not complied with one or more of the foregoing instructions may not be considered.

8. UIDAI RIGHT TO ACCEPT ANY TENDER AND TO REJECT ANY OR ALL TENDERS.

UIDAI reserves the right to accept or reject any tender, and to annul the tender process and reject all tenders, at any time prior to award of contract.

9. Availability of Tender Documents:

- 10. Successful tenderer whose tender is accepted will be required to execute an agreement on a non judicial stamp paper of Rs.100.00 (to be furnished by the successful tenderer) within fifteen days of the issue of the written order to start the work with the UIDAI. No payment shall be paid for such papers.
- 11. The successful tenderer shall furnish to the employer a performance guarantee as detailed herein after.
- 12. In the event of failure of the tenderer to sign the contract documents (contract agreement) and / or submit the performance guarantee within a period of 7 days from the date of issue of Letter of Acceptance, a penalty of 1% (one percent) per day of delay of the value of the performance guarantee

shall be levied upto a maximum of 10% of the value of the performance guarantee unless the period is extended by mutual agreement.

13. Canvassing in any form in connection with tenders is strictly prohibited and the tender submitted by the contractor who resort to canvassing shall be liable for rejection.
14. The acceptance of the tender shall rest with the UIDAI who does not bind himself to accept the lowest tender and reserves to himself the authority to reject any or all of the tenders received without assigning any reason. Further, UIDAI reserves the right to accept the whole or any part of the tender and tenderer shall be bound to perform the same at the rates quoted. All the tenders in which any of the prescribed conditions are not fulfilled or are incomplete in any respect shall be liable to be rejected.
15. On acceptance of the tender, the name of the accredited representative(s) of the contractor who would be responsible for taking the instructions from Engineer-in-Charge shall be communicated to the Engineer-in-Charge or his authorized representative. Their working mobile number (s) must also be communicated in respect of such person (s).
16. This is a item rate tender if any tender is found containing rates percentage below / above, it will be summarily rejected.
17. The contractor shall not be permitted to tender for work in case his near relative is posted as an officer of the rank of Junior Engineer or equivalent and above in any capacity in the Civil deptt., concerned Finance & Accounts Deptt. and Administration Deptt. of Unique Identification authority of India Contractor shall also intimate the name of persons who are working with him in any capacity or subsequently employed by him and who are near relatives to any officer in the Unique Identification authority of India
18. Tenders for the work shall remain open for acceptance for a period of **90 days (Ninty Days)**, from the date of opening of the Tender Bid.
19. The Tenderer or his authorised representative may be present on the time of tender opening and sign the tender opening register
20. No two or more concerns in which an individual is interested as proprietor and/or partner shall tender for the execution of the same work. If they do so, all such tenders (both or more) shall be summarily rejected.
21. Unsealed, unsigned tenders shall be rejected summarily.
22. UIDAI reserves the right to reject any or all bids without assigning any reason.
23. Before submitting their bid proposals, bidders shall carefully examine the site of the work to familiarise themselves with the site conditions which exist regarding present work to be executed, materials to be matched, precautions required, working space available and other conditions necessary to the making of the intelligent bids.

24. SECURITY DEPOSIT

The person/persons whose tender(s) may be accepted (herein after called the 'contractor') shall permit the UIDAI at the time of making any payment to him for the work done under the contract to deduct a sum at the rate of 10% of the gross amount of each running bill till the sum along with the sum already deposited as earnest money will amount to security deposit at the rate of 5% of tendered value of the work. In case, a fixed deposit receipt of any schedule bank is furnished by the contractor to Unique Identification authority of India as part of the Security deposit and the bank goes into liquidation or for any reason is unable to make payment against the said fixed deposit receipt, the loss caused thereby shall fall on the contractor and the contractor shall forthwith on demand furnish additional security to the UIDAI to make good the loss.

Such deductions are to be held by Unique Identification authority of India by way of security deposit, provided always that the Unique Identification authority of India for this purpose shall be entitled to recover such amount from such running bills as indicated above till the balance of the amount of security deposit is realised. All compensations or other sums of money payable by the contractor under the terms of this contract may be deducted from or paid by the sale of a sufficient part of his security deposit or from the interest arising therefrom or from any sums which may be due to or may become due to contractor by Unique Identification authority of India on any account whatsoever and in the event of his security deposit being reduced by reason of any such deductions or sale as aforesaid the contractor shall within ten days make good in cash or guarantee bonds in favour of Unique Identification authority of India executed by Scheduled banks (in case of guarantee offered by scheduled banks the amount shall be within the financial limits prescribed by the Reserve Bank of India) or Government securities (if deposited for more than 12 months) endorsed in favour of the Engineer-in-Charge any sum or sums which may have been deducted from or raised by sale of his security deposit or any part thereof. The security deposit shall be collected from the running bills of the contractor or any part thereof. The security deposit at the rates mentioned above and the earnest money deposited at the time of tenders will be considered as part of the security deposit.

The contractor shall have the option of replacing the afore mentioned security deposit by a fixed deposit receipt duly pledged to the Engineer-in-Charge from the State Bank of India or any other scheduled bank. The FDR should be for a minimum period of 2 year

No claim shall be entertained against the UIDAI on account of interest on the security deposit.

The security deposit shall remain with the UIDAI for a period of 12 months from the date of signing the completion certificate.

25. EARNEST MONEY

- a) Earnest money of Rs. 2 lakhs (Rs. Two Lakhs only) to the extent specified must be deposited by the tenderer in the form of demand draft/ pay order issued by a scheduled bank or State Bank of India, in favour of "PAO, Unique Identification authority of India, New Delhi" and payable at New Delhi to be deposited. No other mode of deposit of earnest money except as specified above will be considered by the UIDAI.
- b)
 - i) Earnest money of all the unsuccessful tenderers will be refunded within 1 month after opening of the tender.
 - ii) If the successful tenderer withdraws his tender within validity period or makes any modification in terms and conditions of tender which are not acceptable to the UIDAI, the UIDAI shall without prejudice to any other right or remedy, be at liberty to forfeit the entire amount of the EMD.
 - iii) In case the contractor fails to commence the work specified in the tender documents on 3rd day or such time period as mentioned in letter of award after date on which the Engineer-in-Charge issues written orders to commence the work or from the date of handing over of site whichever is later, the UIDAI shall, without prejudice to any other right or remedy, be at liberty to forfeit whole of the earnest money absolutely.

26. PERFORMANCE GUARANTEE

- i) The contractor shall submit an irrevocable Performance Guarantee of 05% (Five percent) of the awarded amount in addition to other deposits mentioned elsewhere in the contract for his proper performance of the contract agreement, (notwithstanding and / or without prejudice to any other provisions in the contract) within 7 days from the date of issue of Letter of Acceptance failing which a penalty of 1% (one percent) per day of the value of the performance guarantee shall be levied upto a maximum of 10% of the value of the performance guarantee. This period can be further extended by the Engineer-in-Charge on written request of the contractor stating the reason for delays in procuring the Bank Guarantee to the satisfaction of the Engineer-in-Charge. This Guarantee shall be in the form of Guarantee bond of any scheduled bank or

the State Bank of India in accordance with the form annexed hereto. In case a fixed deposit receipt of any Schedule Bank is furnished by the contractor to the Government as part of the performance guarantee and the bank is unable to make payment against the said fixed deposit receipt, the loss caused thereby shall fall on the contractor and the contractor shall forthwith on demand furnish additional security to the UIDAI to make good the deficit.

- ii) The performance Guarantee shall be initially valid to the stipulated date of completion plus 60 days beyond that . In case the time for completion of work gets enlarged, the contractor shall get the validity of Performance Guarantee extended to cover such enlarged time for completion of work. **After recording of the completion certificate for the work by the competent authority, the performance Guarantee shall be returned to the contractor, without any interest.**
- iii) The Engineer-in-Charge shall not make a claim under the performance Guarantee except for amounts to which the UIDAI is entitled under the contract (not withstanding and / or without prejudice to any provisions in the contract agreement) in the event of :
 - a) Failure by the contractor to extend the validity of the performance Guarantee as described here in above, in which event the Engineer-in-Charge may claim the full amount of the Performance Guarantee.
 - b) Failure by the contractor to pay UIDAI any amount due, either as agreed by the contractor or determined under any of the clauses/ conditions of the agreement, within 30 days of the service of notice to this effect by Engineer-in Charge.
 - b) In the event of the contract being determined or rescinded under provision of any of the clause/ condition of the agreement, the performance Guarantee shall stand forfeited in full and shall be absolutely at the disposal of UIDAI.

27. COMPENSATION FOR DELAY

The time allowed for carrying out the work as entered in the tender and in accordance with the priority laid down by the Engineer-in-Charge shall be strictly observed by the contractor and shall be deemed to be the essence of the contract on the part of the contractor and shall be reckoned from the 3rd day from the date on which the Letter of Acceptance is issued to the contractor or the date of handing over of site whichever is later. As soon as practicable, of the acceptance of his tender, the contractor shall submit to the Engineer-in-Charge for his approval a programme showing the order or procedure and method in which he proposes to carry out the works in accordance with the schedule of instructions furnished by the tender papers. He shall also, whenever required by the Engineer-in-Charge, furnish for his information particulars in writing, of the contract agreement for carrying out all the works and the construction plan and temporary works which the contractor intends to make use or construct, or as the case may be, nevertheless, the submission to any approval by the Engineer-in-Charge of such programme for the furnishing of such particulars shall not relieve the contractor of any of his duties or responsibilities as such under the contract.

THE CONTRACTOR SHALL PAY TO THE UIDAI 01% (one percent) OF THE FINAL COST OF THE WORK FOR EACH DAY OF DELAY IN COMPLETION OF WORK. THIS SHALL BE UPTO A MAXIMUM OF 10% OF THE FINAL COST OF WORK.

28. Cancellation/Rescission of contract in full or in part.

The Engineer-in-Charge may without prejudice to any other right or remedy against the contractor in respect of any delay, inferior workmanship any claims or remedy for damages and/or any other provision of this contract or otherwise and whether the date of completion has or has not elapsed by notice in writing absolutely determine the contract in any of the following cases:

- i) If the contractor, having been given by the Engineer-in-Charge a notice in writing to rectify, reconstruct or replace any defective work or that the work is being performed in an inefficient or otherwise improper or unworkmanship like manner, shall delay or suspend the execution of the work so that either in the judgment of the Engineer-in-Charge(which shall be final and binding) he will be unable to secure

completion of the work by the date of completion or he has already failed to complete the work by that date.

- ii) If the contractor being a company shall pass a resolution or the court shall make the order that the company shall be wound up or if a receiver or a manager on behalf of a creditor, shall be appointed or if circumstances shall arise which entitle the court to make a winding up order.
- iii) If the contractor commits breach of any of the terms and conditions of this contract.

When the contractor has made himself liable for action under any of the case aforesaid, the UIDAI shall have powers to rescind the contract in whole or in part.

SCOPE OF WORK AND ELIGIBILITY CRITERIA FOR BIDDERS

1. Scope of Work

The contractor who is quoting the tender will get themselves well versed with the site condition. The scope of work included includes Civil, Interior, furnishing, electrical, HVAC, LAN and networking the contractor should be well versed with all the activity and should have a specialised team of workers for the same.

-FURNISHING WORK

The Civil work comprises of the following activity: dismantling the flooring / wall or wherever required relaying of new floor, plastering on walls with cement / P.O.P, false ceiling of material as specified in the BOQ and provided with modular furniture and finishing the entire place with approved paint, planter etc.

- Replacement of flooring.
- Replacement of Doors and Windows
- Wooden Panelling in walls
- Wooden Partitions between cabin
- Internal texture Paint
- Supply and fixing of False Ceiling
- Supply of Modular furniture for interior works

ELECTRICAL WORK

The scope of work for Electrical Contractors is to undertake cabling, copper plate earthing, wiring for air-conditioners, UPS, liaisoning with local electricity authority for obtaining power connection, termination thereof, integration with emergency power supply circuit of the building etc, breakdown repair system. Also, all distribution and protection Switchgears / devices and panels, interior wiring for computerized office environment, electrical appliances like fans, switch boards, re-wiring and cabling works.

Electrical contractors shall have necessary permits / license from CEIG office and familiar with IE rules & regulations and guidelines of CEIG.

The electrical work comprises of the following activity: taking new connection from approved authority liaison with the authority. The moneys to be deposited with the authority will be given by UIDAI.

DATA CABLING & FIRE PROTECTION WORK.

AIR CONDITIONING INSTALLATION WORK

The scope and general character of work governed by this document/contract is indicated in Drawings, Technical Specifications and Schedule of Items/Quantities. The contractor shall carry out design, testing at manufacturer's works, packing (Protected from weather) and transportation, supply, erection, final checkup, testings, final painting, commissioning at site and performance testing of the entire scope of works under this contract in every respect conforming to the contract documents and with the directions of and to the satisfaction of the Supervisor/Engineer. The contractor shall furnish all materials and equipment (except those associated works to be supplied by the Owner/Purchaser) as intended in this specification document, drawings and/or schedule of quantities and specified otherwise of a complete air conditioning system. This also includes any materials, equipment, appliances and incidental work not specifically mentioned in the specification/drawings but which are in general, the work to be performed under this contract shall consist of supply and installation of the following :

- Central air conditioning system using 3 AHU chill water supply as per site conditions.
- Split type units 1.5 TR.
- Drain piping with insulation
- Sheet Metal Duct (Supply and Return Air for Ductable Units)
- Acoustic Insulation of supply air ducts
- Thermal Insulation of Ducts
- Supply Air & Return Air Grilles
- Electrical Panel, Local Switchboard with Switchgear

- Electrical Cabling and Earthing for the Units
- Concealed drainage system.
- Control Wiring of Instrumentation and Systems
- Vibration Isolators for all Equipment and System
- Controls, Instruments & Annunciator system
- Measurement, Testing and Balancing
- All civil and electrical work associated to A.C work

Tenderers are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of constitution already existing (so far as in 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 and plants, water, electricity access, facilities for workers and all other services required for the execution of the work unless otherwise specifically provided for in the contract documents. Submission of 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 specification of the work to be done and of conditions and rates at which stores, tools and plants etc. if any will be issued to him by UIDAI and local conditions and other factors having a bearing on the execution of the work. The tenderers must also study the neighborhood, rules and regulations for building as well as the area where it is situated.

1.2 Eligibility Criteria for Bidders

- (a) The tenderer should have carried out similar work for Central / State Government / PSU / Autonomous body controlled by the Central Govt. for 3 (three) works each costing equal to or more than Rs.2.00 crores in the past 3 (three) years or a single work costing equal to or more than Rs.6.00 crores in the past 3 (three) years. The tenderer must submit along with the tender the following:-
- (i). Certificate from the "Engineer-in-Charge" or the Contract signing authority stating the :-
 - Nature or work completed satisfactory.
 - Total payment made against such work (s).
 - (ii) The record of aforementioned payments in the accounts of the tenderer and balance sheet . All this must be **verified by the registered Chartered Accountant under his own signature.**
- (b) The bidder must produce along with the application attested copy of registration under Delhi Value Added Tax (DVAT) Act 2005.
- (c) Agency should have employees Provident Fund Account.
- (d) Valid Electrical Contract Licence for Electric Works.

1.3 DEFINITION OF SIMILAR WORK

Similar work means work comprising of:-

- (i) **Work of interior flooring, woodwork, ceiling etc.**
- (ii) **Power supply, lightning, ventilation etc.**
- (iii) **HVAC using AHU and related work.**
- (iv) **Data Cabling.**

All four constituent [i.e. (i) to (iv)] are essential to the work without exception to qualify as similar work. The similar nature of work should be abundantly clear from the language of the documents furnished by the tenders in support of works completed to meet the eligibility criteria. If it is not expressly stated or is not clear from the language describing the work completed then that document furnished in support of work completed shall be treated as null and void for the purpose of fulfilling eligibility criteria and shall be discarded / not considered in the evaluation of eligibility.

UNIQUE IDENTIFICATION AUTHORITY OF INDIA

ITEM RATE TENDER FOR WORKS

I/We tender for the execution of work specified for Unique Identification authority of India of the work specified in the under written memorandum within the time specified in such memorandum at the rates specified in schedule of items of tender and in accordance with the specifications, design, drawings, instructions in writing and conditions of contract in all respect so far as applicable.

MEMORANDUM:

- a) General description of work : Remodeling/Renovation and construction of interiors including but not limited to all services, electrical, air-conditioning, communication & data cabling, fire & security systems and allied works as per the scope of work and specifications
- b) Estimated Cost Rs. 200 Lakh (Rs. Two Crores Only)
- c) Earnest money Rs. 2 Lakh (Rs. Two Lakhs Only)
- d) Security deposit 5% of tendered value of the work put to the tender
- e) Performance Guarantee 5% of the tendered amount.

The security deposit will be collected by deductions from the running bills of the contractor on the rates mentioned above and the earnest money deposited at the time of tender will be treated as part of security deposit. The security deposit will also be accepted in the form of Fixed deposit receipt of schedule banks or State Bank of India. This will be accepted subject to verifications / confirmations as per requirement of UIDAI.

Time allowed for the completion of the work from the next 3rd day after the date of issue of the letter of Acceptance or date of handing over of site whichever is later i.e **75 days**.

Should this tender be accepted in whole or in part, I/We hereby agree (i) to abide by and fulfill all the terms and provisions of the said conditions annexed hereto and all the terms and provisions contained in the notice inviting tenders, and/or in default thereof to forfeit and pay the Unique Identification authority of India or its successors the sum of money mentioned in the said conditions. Bank Draft / Bankers Cheque amounting to Rs. **2.00 Lakhs** is enclosed as earnest money. If I/We fail to commence the work specified in the above memorandum within next 3rd day after the date of the Letter of Acceptance or from the date of handing over of site whichever is later, I/We agree that the said Unique Identification authority of India or successors in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely, otherwise the said earnest money shall be retained by Unique Identification authority of India towards security deposit. Also, I/We hereby agree to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein and carry out such deviation as may be ordered up to a **maximum of 25% of award value at the rates quoted in the tender documents** and those in excess of that limit at the rates to be mutually agreed upon

Dated, the _____ day of 2011

* SIGNATURE OF THE CONTRACTOR

* Signature of Contractor before submission of tender.

A. DATA IN SUPPORT OF ANNUAL TURNOVER

S.No.	Financial Year	Annual Turnover in equivalent Rupees
1	2009-2010	
2	2008-2009	
3	2007-2008	

Signature of Contractor

Information regarding current litigation / arbitration cases

S.No.	Name of Parties concerned	Cause of litigation and matter in dispute	Disputed amount

Signature of Contractor

FORM OF PERFORMANCE SECURITY (GUARANTEE) BANK GUARANTEE BOND

In consideration of the UIDAI, (hereinafter called "UIDAI") having offered to accept the terms and conditions of the proposed agreement between _____ and _____ (hereinafter call "the said Contractor") for the work _____ (hereinafter called "the said agreement") having agreed to production of a irrevocable Bank Guarantee for Rs. _____ (Rupees _____ only) as a security/guarantee from the contractor(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement.

1. We, _____ (hereinafter referred to as "the Bank" hereby undertake to pay to
(indicate the name of the Bank)
the UIDAI an amount not exceeding Rs. _____ (Rupees _____ only) on demand by the UIDAI.
2. We, _____ do hereby undertake to pay the amounts due and payable
(indicate the name of the Bank)
under this guarantee without any demure, merely on a demand from the UIDAI stating that the amount claimed as required to meet the recoveries due or likely to be due from that the said contractor(s). Any such demand made on the bank shall be conclusive as regards the amount due and payable by the bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. _____ (Rupees _____ only).
3. We, the said bank further undertake to pay the UIDAI any money so demanded notwithstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any court or Tribunal relating thereto, our liability under this present being absolute and unequivocal.

The payment so made by us under this bond shall be a valid discharge of our liability for payment thereunder and the Contractor(s) shall have no claim against us for making such payment.
4. We, _____ further agree that the guarantee herein contained shall remain in
(indicate the name of the Bank)
full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to be enforceable till all the dues of the UIDAI under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or till Engineer-in-charge on behalf of the UIDAI certified that the terms and conditions of the said agreement have been fully and properly carried out by the said Contractor(s) and accordingly discharges this guarantee.
5. We, _____ further agree with the UIDAI that the UIDAI shall have the fullest
(indicate the name of the Bank)
liberty without our consent and without affecting in any manner our obligation hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said Contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the UIDAI against the said contractor(s) and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Contractor(s) or for any forbearance, act of omission on the part of the UIDAI or any indulgence by the UIDAI to the said Contractor(s) or by any such matter of thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.
6. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor(s).
7. We, _____ lastly undertake not to revoke this guarantee except with the previous
(indicate the name of the Bank)
consent of the government in writing.
8. This guarantee shall be valid upto _____ unless extended on demand by the UIDAI. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs. _____ (Rupees _____ only) and unless a claims in writing is lodged with us within six months of the date of expiry or the extended date of expiry of this guarantee all our liabilities under this guarantee shall stand discharged.

Dated the _____ day of _____ for _____ indicate the name of the Bank.

Signature of
Authorized Official of the Bank
Signature of the witness

.....
Name of Official
Designation
Name of the Witness

.....
Stamp/Seal
of the Bank
Address of the Witness

.....

STANDARD CONDITIONS

CLAUSE –1 : SUBMISSION OF BILLS

The contractor shall submit all bills at the office of the Engineer-in-Charge and charges in the bills always be entered at the rates specified in the tender, unit price list or in the case of any extra work ordered in the pursuance of those conditions and not mentioned or provided for in the tender at the rates there after provided for such work. The rates, unit of measurement etc. must be the same as provides in the tender schedule. **Only 4 running bills shall be submitted. The 5th bill shall be the final bill only. The consumption of electricity by the contractor during execution of the work shall be paid by the contractor on actual basis. The electricity charges will be deducted by UIDAI from the running bills.**

CLAUSE – 2 : PAYMENT ON CONTRACTOR'S BILLS BY UNIQUE IDENTIFICATION AUTHORITY OF INDIA

1. Payment due to the contractor shall be authorised by the Engineer-in-Charge and shall be paid by ECS, for which contractor shall have to submit his valid bank account number & IFS No bank name and PAN number. Cheque payment may be made as an exception only in case of genuine and compelling reasons.
2. Every receipt for money which may become payable or for any security deposit which may become transferred to the contractor under these conditions shall notwithstanding anything to the contrary contained in the partnership deed if signed in the name of partner by any one of the partners of a contractor/firm, be a good and sufficient discharge, to the UIDAI in respect of the moneys or security purported to be acknowledged thereby; and in the event of death of any of the contractor/partner during the pendency of contract it is hereby expressly agreed that every receipt by any of the surviving contractor or partners shall, if so signed as aforesaid be good and valid discharge as aforesaid, provided that nothing in this clause shall be deemed to prejudice or effect any claim which the UIDAI may thereafter have against the legal representative of any deceased contractor/partner or in respect of any breach of any of the conditions of the contract and provided also that nothing in this clause shall be deemed to prejudice or effect the respective rights or obligations of the contractor/partner and of the legal representative of any deceased contractor/partner inter-se.

CLAUSE 3: PAYMENT OF FINAL BILL

The final bill shall be submitted by the contractor in the same manner as specified in interim bills within three months of physical completion of the work. No further claims shall be made by the contractor after submission of the final bill and these shall be deemed to have been waived and extinguished.

CLAUSE – 4: STANDARDS

- a) Unless otherwise specified by Engineer in writing, all work shall be done in accordance with the latest Indian Standard specifications or the Central P.W.D specifications.
- b) Where conflicts occur between any of the laws, rules, regulations, standards and so forth, specified herein, the more stringent one shall govern the work.
- c) Where the items are not recovered by any of the aforesaid standards the work shall be carried out as per the specifications to be laid down by the Engineer-in-Charge in writing.

CLAUSE – 5 : DRAWING SPECIFICATIONS, CORRESPONDENCE ETC.

Drawing and Specifications :

- a) The contractor shall be deemed to have carefully examined the general conditions, specifications and drawing etc and also to have satisfied himself as to the nature and character of the work to be executed and where necessary of the site conditions and other relevant matters and details. Any information thus had or otherwise obtained from the Engineer-in-Charge shall not in any way relieve the contractor from his responsibility for supplying all materials and executing the work in terms of the contract including all the details and incidental work and supply of all accessories or apparatus which may not have been specially mentioned in the contract but necessary for ensuring complete erection and safe and

efficient working. If he shall have any doubts as to the meaning of the contract, he shall before signing it set forth the particulars thereof and submit them to the Engineer-in-Charge in writing in order that such doubt may be removed.

- b) After signing of the contract, the contractor will be given free of charge one copy of agreement, two prints of drawings revisions there to progressively, as per the requirement of constructions schedule and two complete sets of specifications. The contractor shall pay for any addition copies he requires.
- c) Such further drawings or explanations of the Engineer-in-Charge may furnish to the contractor illustrate the work to be done will be consistent with the original drawings and specifications, and the contractor shall confirm there to as part of this contract.
- d) All drawing and specifications, being instruments of service were the property of the Engineer and shall be returned to him when the work is completed.
- e) Figures, dimensions shall be followed in preference to scale and detail drawings in preference to general layout drawings. The contractor shall verify all dimensions in the field before any work is commenced.
- f) All instructions and orders given by the Engineer-in-Charge are to be maintained in the site instructions book and will be taken to have been conveyed to the contractor for his compliance.
- g) Wherever the site falls within the premises of prohibited area, the contractor shall be required to comply with the entry of exit regulations that may be imposed from time to time for security reasons.

Interpretation

- a) Decisions by the Engineer-in-Charge shall be conclusive to the true intent and meaning of drawings and specifications. Any discrepancy which may exist between drawing or specifications shall be referred to the Engineer-in-Charge whose decision as to true meaning shall be final.
- b) The contractor shall study and compare the drawings, specifications and other information given to him by the Engineer-in-Charge and shall report in writing.
- c) Verbal instructions or information supposed to have come from the Engineer's office will not be recognized by him unless confirmed in writing. This applies to information given by estimating and after the contract is awarded.
- d) The drawing and specifications are intended to co-ordinate so that any time set forth in either shall be recognized as the same as if fully forth in both.

Correspondence

All correspondence regarding design engineering, equipment, layout etc shall be sent in triplicate to the Engineer-in-Charge for proper distribution purpose.

Addendum

Details regarding distribution of letters, drawings and fabrications reports and operating instructions may be modified at a later date.

CLAUSE – 6 : EMPLOYMENT OF TECHNICAL STAFF

The contractor shall employ adequate full time technical staff and qualified Engineer during the execution of the work. He shall furnish a list of such staff together with their qualification and experience for approval of the Engineer prior to employing them at the site of works. For information of the contractor the requirement of technical staff on the basis of value of work, as normally expected are listed below :-

- a) One Graduate Engineer for Civil Work and also one Graduate Engineer for other than Civil Works.
- b) Min experience of works (experience must be relevant to work) :- 2 Years
- c) Recovery to be effected from the contractor in the event of such person not present and not in acceptable working condition at site. :- Rs. 500 per day per Engineer.

Assistant Engineers retired from Govt. Services that are holding Diploma will be treated at par with Graduate Engineer.

The decision of Engineer-in-Charge regarding actual employment of technical staff will, however, be final and binding on the contractor.

CLAUSE – 7 : TAXES

Sales tax/ Delhi Value Added Tax Act 2005 or any other tax on materials in respect of this contract shall be payable by the contractor and the Unique Identification authority of India shall not entertain any claim whatsoever in any respect.

CLAUSE – 8 :

If pursuant to or under any law, notification or order any royalty, building and other construction workers and building under the construction workers welfare cess, cess fee or the like becomes payable by the Unique Identification authority of India and does not any time become payable by the contractor, to the State Government, local authorities in respect of any material used by the contractor in the works then in such case, it shall be lawful to the Unique Identification authority of India and it will have the right and be entitled to recover the amount paid in the circumstances as aforesaid from the dues of the contractor.

CLAUSE – 9 : PERMITS FEE AND TAXES

The contractor shall also include in his tender price all taxes properly applicable to his operation. The contractor shall obtain and pay for all permits, licenses or other privileges necessary to complete the work, certificates of which shall be delivered to the Engineer-in-Charge and will become property of the UIDAI except the import licenses for imported materials required and permits of controlled items will be obtained by Engineer in charge, the registration for which should be furnished to the Engineer in charge well in advance.

CLAUSE – 10 : TERMINATION OF THE CONTRACT UNDER CERTAIN CIRCUMSTANCES

Without prejudice to any of the rights or remedies under this contract, if the contractor dies, the Engineer shall have the option of terminating the contract without compensation to the contractor.

CLAUSE – 11 : CONDITIONS DISQUALIFYING CONTRACTORS

The contractor shall not be permitted to tender for works in case his near relative is posted as officer of the UIDAI, he shall also intimate the names of persons who are working with him in any capacity or subsequently employed by him and who are near relative to any officer in the Unique Identification authority of India

Any breach of this Clause by the contractor would render him liable to be removed from the list of contractor of the Unique Identification authority of India and his work may be terminated without any compensation whatsoever.

NOTE: BY THE TERM “NEAR RELATIVE” IS MEANT, WIFE, HUSBAND, PARENTS, GRANDPARENTS, CHILDREN AND GRAND CHILDREN, BROTHER, SISTER, UNCLE, AUNT AND COUSINS AND THEIR CORRESPONDING IN-LAWS.

CLAUSE – 12 :

No Engineer of Gazetted rank or other Gazetted officer employed in Engineering or administrative duties in an Engineering Deptt. of the Govt. of India is allowed to work as a contractor for a period of two years after his retirement from Govt. Service without the prior permission of Government of India. This contract is liable to be cancelled if either the contractor or any of his employees is found at any time to be such a person who had not obtained the permission of Govt. of India as aforesaid, before submission of the tender or engagement in the contractor’s of service, as the case may be.

CLAUSE – 13 : GUARANTEE AND PENALTIES : GUARANTEES :

- a) The contractor shall guarantee that the material; and workmanship are the best of their respective kinds for the services intended and all items will be free from defects.
- b) If after installation and trial operation, any equipment or materials shall fail in any respect to meet the above guarantee, the contractor, at his own cost expenses and without expenses to the UIDAI shall replace such work in a condition which will meet above guarantee.
- c) Guarantee, as required shall be furnished by the Contractor upon form approved by the Engineer-in-Charge and shall be signed by the contractor whose work is involved.
- d) These specifications assume a proper degree of skill upon the part of all contractors and workmen employed. The contractor shall consult with the Engineer in charge, whenever, in his judgment, variation in the work of construction or in the qualifying material would be beneficial or necessary to fulfill the guarantees called for, such variation may be made by the contractor only when authorized by the Engineer in charge in writing.
- e) The contractor shall provide guarantee to remove any defects at his own cost in his work due to faulty materials or workmanship or both, and the contractor shall remove defects within a reasonable period of time.

CLAUSE – 14 : PERIOD OF GUARANTEE

The period of the general guarantee on all construction work will be one year for this work starting from the date of acceptance of the complete work of the contractor by the Engineer in charge. However, should any defect arise in any work within this time the required period of guarantee for that individual item only will further increased to one year for this work starting from the formal acceptance date by the Engineer-in-Charge following the remedy of the defects by the contractor.

CLAUSE – 15 : CONTRACTOR TO PRESERVE PEACE

The contractor shall at all times during the progress of work take all requisite precautions and use his best behaviour to prevent any riotous or unlawful behaviour by or amongst their workmen and other employed in the works and for the preservation of peace and protection of the inhabitants and the security of the property in the neighborhood of works. He shall also pay the charges of social peace, if any, that may be deployed for maintenance of peace and allow and order at the discretion of the Engineer-in-Charge.

CLAUSE – 16 : COOPERATION WITH OTHER CONTRACTORS

- a) The Unique Identification authority of India reserves the right to let other contractor to carry out his site activities on same site. The contractor shall offer other contractors reasonable opportunity for the transportation and storage of their materials and the execution of their work and shall properly connect and coordinate his work with their's.
- b) If any part of the contractor's work depends upon the proper execution and results of the work of any other contractor, he shall inspect and promptly report in writing to the Engineer the defects in such work that may render it unsuitable for such proper execution and results. His failure to so inspect and report shall constitute an acceptance of the other contractor work fit and proper for the reception of this work, except as to defects which may develop in the other contractor work after the proper execution of his work.
- c) To ensure the proper execution of this subsequent work the contractor shall get the work measured already carried out and shall at once report to the Engineer any discrepancy between the executed work and the drawings.

CLAUSE -17

The work as a whole or any part thereof shall be carried out by the contractor. No part of the work or the work as a whole back to back basis shall be further tendered / sub contracted. No exception shall be made to any contractor or any ground whatsoever in view of the tight deadline for completion.

SPECIAL CONDITIONS AND EXPLANATORY NOTES

1. Inspection and testing :-

- a) No material shall be used by the contractor in the execution of work until & unless it has been inspected and accepted by the Inspecting Authority authorized by the UIDAI.
- b) The contractor will provide all necessary facility to the Inspecting Authority for inspection of materials. Necessary testing instruments and facility and the cost thereof will be borne by the contractor.
- c) The work executed by the contractor shall be inspected by the Inspecting Authority authorized by the UIDAI.

2. Payment terms :-

- a) 90% payment shall be made to the contractor for the actual quantity executed, satisfactory testing and commissioning and after clearance from the Inspecting Authority. No more than 4 running bills (apart from final bill) shall be entertained. Bills should be submitted at approximately 25% physical progress of work duly completed duly certified by the Inspecting Authority at each stage of work.
- b) No payment shall be made in respect of material received at site for those items of work not executed and completed to the satisfaction of the Inspecting Authority. No advance payment of any type whatsoever shall be paid by the UIDAI except for the items in (c) below.
- c) However, 64% payment shall be released against the receipt, testing and acceptance by the Inspecting Authority for the following items only:-
 - i) Control & Switching devices, electrical light fittings and fans.
- d) The balance 36% shall be paid only after successful erection, testing, commissioning and clearance by Inspecting Authority.
- e) 64% shall be calculated on the amount against the relevant item of the tender schedule.
- f) No payment shall be made to the contractor for idle man power, tools, plants & machinery for any reason whatsoever. The contractor is required to take all possible steps to avoid/mitigate his losses under such circumstances.
- g) The contractor shall quote all inclusive price. No price variation clause shall be imported into the contract- as such or under any other term abbreviation, phrase etc. impliedly or expressly having the insidious effect of price variation. All prices quoted by the contractor shall remain firm.

Note:- a) All payments are subject to completion of pre-requisite formalities and procedures like signing of agreement, furnishing of security deposit, furnishing of performance guarantee, verification of legal documents if any, proper recording and approvals in the measurement book preparation of bills and other approvals etc.

b) No other work except that which is jointly recorded in the MB and signed by the authorized UIDAI representative as well as contractor shall be paid for. No Payment shall be made without the signed approval of 'Engineer-in-Charge'.

c) No work, not covered by the contract, shall be executed and paid for unless written and express prior approval / instruction is issued with reference to this contract by the engineer-in-charge.

3. Warranty :-

- a) The entire work, after the completion thereof shall withstand a warranty period of 12 months from the date of signing of completion certificate by the Competent Authority. If any fault / defect, arising out of poor quality of material and / or poor workmanship, erroneous testing or setting adjustment etc. shall be rectified by the contractor free of cost to Engineer-in-Charge within 24 hours from the time of first intimation given by UIDAI to the contractor.

4. Execution of work:-

5.

- a) The work shall be executed at site after taking into account all the rules & regulations and constraints imposed by the LIC (Owners of the Building and Consortium of Tenants), and local authorities. The contractor shall indemnify UIDAI against any violations and discharge all liabilities and responsibilities arising therefrom. The contractor should familiarize himself with the site before hand and plan the execution of work accordingly. He must also take into consideration the neighborhood and area where the site is located.
- b) All activity that creates a loud noise should be carried out outside office hours so as to avoid complaints from the adjoining tenants of the building.
- c) The contractor shall ensure that no material pending execution at site or disposal shall be kept at a location other than that authorized by the UIDAI in writing.
- d) If any instruction is issued for removal of material, the same should be complied within 12 hours from the time of intimation to the contractor.
- e) The work may required to be carried out in three 8-hours shifts round the clock, should the need arise to meet the deadlines. Manpower shall not be repeated in shift unless permitted by UIDAI in part or whole. Instructions given by the UIDAI in this matter shall be binding.
- f) Should the need arise the premises may be partially occupied even before the completion of work. In such circumstances, the work shall be executed without causing disturbance during working hours i.e. 9.30 a.m. to 6.00 p.m.
- g) All necessary work shall be done / redone by the contractor to facilitate such partial uses of the premises during the progress of work.
- h) **Deviations:** Prior permission of Engineer-in-Charge in writing before executing deviated quantities of work. Permitted upto 25% of the tendered amount at tendered and accepted rates and beyond that at rates mutually agreed upon.

6. Serviceable released material :-

Serviceable released material shall be deposited with the UIDAI and the details thereof be placed on records all unserviceable should be disposed off by the contractor without dumping the same in the premises. No payment shall be made for removal of unserviceable material.

7. Tools, plants & machinery :-

The contractor shall arrange to bring in his own tools, plants and machinery and instrumentations etc. at his own cost. Decision of Engineer-in-Charge regarding the use thereof shall be binding. No additional payment whatsoever shall be made on this account by Engineer-in-Charge.

8. Safe custody of material, samples & transportation :-

- a) The contractor shall make his own arrangement for the safe custody of material brought at the site as well as keep watch & ward over the entire site. **No separate watch & ward charges shall be paid on any account whatsoever.**
- b) Should the need arise the contractor may be required to submit sample of any particular material / device / consumable etc. This shall be done by the contractor at his own cost. No separate charges shall be paid.
- c) The contractor must familiarize himself with the regulations in the neighborhood and Connought Place area and plan accordingly. Traffic restrictions etc. shall not be entertained as any ground for delay in execution.

9. Communication and contact person:-

- a) The contractor must have non-residential regular office in Delhi having a valid address. In case of firm is having their registered office outside Delhi, the address of the local office in Delhi would suffice. Landline and / or mobile numbers to be communicated to Engineer-in-Charge.
- b) The contractor shall ensure that one site supervisor having a minimum qualification of recognized diploma is available on every day working shift at site with a properly functioning mobile phone till the work is handed over to UIDAI after completion. His mobile phone number shall be intimated to the Engineer-in-Charge by the contractor.

10. The specifications governing the execution of contract shall be mentioned in the contract document itself. If it is found that there is any missing / unclear specification then the specification shall be decided by the Engineer-in-Charge and thus decision shall be final and binding upon the contractor.

11. The contractor must familiarize and study the site conditions before hand. He must take all necessary measurement. All approvals for design and drawings purpose, make of materials, method of construction/ erection, testing, commissioning must be first decided in consultation with the Architect and UIDAI and approval be taken from Engineer-in-Charge before starting the execution.

12. No typographical error shall be construed in favour of the contractor. The interpretation and decision taken by Engineer-in-Charge shall be final and binding upon the contractor.

13. The HVAC design must be such that the grill temp must be a maximum of 22 C in the worst condition, measured by a digital thermometer as per the Standard practice.

14. The grill airflow must be measured as per Standard practice for each and every outlet and recorded on a schedule / drawing. It must meet the minimum stipulated requirement.

15. The lighting scheme must be such that it meets the minimum lux level requirement as per standards. The measurement must be taken and recorded tabular form / drawing at relevant locations. A computer stimulation must be done and got approved from Engineer-in-Charge before execution of work. Such simulation must clearly bring out the location and type / wattage of fitting and lux level expected to be achieved at various locations.

16. **Where the provisions of this tender document fall short or are not express and where and when considered necessary by the UIDAI, the contents of the CPWD Codes and CPWD Works Manual 2010 shall be imported into this contract in whole or in part (s) as decided by the UIDAI, but not if it is repugnant to the context and / or any provisions / proviso in the special conditions of this tender context and not expressly provided. The decision of the UIDAI shall be final and binding upon the contractor.**
- 17 Approval on all matters shall be given by the UIDAI.

18. **In the event of discrepancy:-**

Tenderer must ensure that greatest care be taken while filling rates, amounts and totals as well as the final amount. However, the following **Three Conditions** of discrepancies are foreseeable at this state:-

- a) The total of the amount against each item of the BOQ in the tender schedule is the least amongst the:-
- i) Total of amount of BOQ
 - ii) Total of amount in Summary.
 - iii) Final Total.

In such case, the total of the amounts in the BOQ of Para (a) above shall be the tendered amount and not the higher ones.

- b) In case (ii) of para (a) above is the least amongst (i), (ii) & (iii) of Para (a) above, then that will be taken as the tendered amount and the items (s) not matching to the components of (i) of Para (a) above shall reduce the amount (s) and rate (s) of the relevant items to the extents they match.
- c) If (iii) of para (a) above is the least then that will be the tendered amount. The amount and rate (s) of the relevant components of (i) shall be reduced to the extent they match the amount in (iii) of Para (a).
- d) If any overall discount is offered over (iii) of Para (a) then it shall be applied to all the items of (i) of Para (a) above so as to reduce the amount & rates to match the discounted final amount.

GENERAL SPECIFICATION FOR FURNISHING & INTERIOR

MATERIALS:

1. Materials should be of the best approved quality obtainable and they shall comply to the respective Indian Standard Specifications.
2. Samples of all materials shall be got approved before placing order and the approved sample shall be deposited with the UIDAI.
3. In case of non-availability of materials in metric sizes, the nearest size in FPS units shall be provided with the prior approval of the UIDAI for which neither extra will be paid nor any rebate shall be recovered.
4. If directed, materials shall be tested in any approved Testing Laboratory and the Test Certificate in original shall be submitted to the UIDAI and the entire charges of testing including charges for repeated tests if ordered shall be borne by the contractor.
5. It shall be obligatory for the Contractor to furnish Certificate, if demanded by the Client/Architects, from manufacturer or the material supplier that the work has been carried out by using their material and as per their recommendation.
6. All materials supplied by the UIDAI/any other specialised firms shall be properly stored and the contractor shall be responsible for its safe custody until they are required on the works and till the completion of work.
7. Unless otherwise shown on the drawings or mentioned in the schedule of quantities or special specifications the quality of materials, workmanship, dimensions, etc. shall be as specified here-in-under.
8. All equipment and facilities for carrying out field tests on materials shall be provided without any extra cost.
9. The work shall be executed as per Standard Engineering Practice and specification.
10. The Work shall be carried out as per CPWD Specifications unless otherwise specification in the Tender Document

PAINTS:

Lime wash, lime wash, dry distemper, oil bound distemper, cement, primer, oil paint, enamel paint, flat oil paint, plastic emulsion paint, anti-corrosive primer, red lead, water proof cement paint shall be from an approved manufacturer and shall conform to the latest Indian Standards for various paint. Ready mixed paints as received from the manufacturer without admixture shall be used, except for addition of thinner, if recommended by the manufacturer.

TIMBER:

Timber shall be well seasoned and of the best quality, Indian Teak /Padauk/White Cedar.

Timber shall be considered as well seasoned, if its moisture content does not exceed the following limits.

- i) Timber for frames 14%

ii) Timber for planking shutters , etc. 12%

iii)

The moisture content of timber shall be determined according to method described in Paragraph 4 of IS:287 for 'Maximum Permissible Moisture content of Timber used for different purposes in different climatic zones'.

In measuring cross:- sectional dimensions of the Frame pieces tolerances upto 1.5mm shall be allowed for each planed surface

SUPERIOR QUALITY TEAK/PADAUK

It shall be of good quality and well seasoned. It shall have uniform colour, reasonably straight grains and shall be free from large, loose, dead knots, cracks, warps, twists, bends, borer holes, shakes, sapwood or defects or any kind. No individual hard and sound knot shall be more than 1 cm. In diameter and aggregate area of all knots shall not exceed ½% of the area of the piece. It shall be close grained and there shall not be less than six growth rings per 2.5 cm. width.

WOOD WORK:

Timber used shall conform to specifications described under materials, shall be in accordance with the LT/Architects drawing in every details and all joiner's work shall accurately set out, framed and finished in a proper workmanlike manner. Frames of partitions and opening, etc., shall be of accurately planned smooth and rebates, roundings and mouldings shall be made as shown on the drawings. Patching or plugging of any kind shall not be allowed. Joints shall be simple, neat and strong. Framed joints shall be coated with suitable adhesive like glue or synthetic resin before the frames put together. All mortice and tenon joints shall fit in fully and accurately without wedging or filling. The joints shall be pinned with hardwood or bamboo pins of 10mm to 12mm dia, or rust resisting star shaped metal pins of 8mm dia, after the frames are put together and pressed in position by means of a press. The frames shall be protected during the progress of work by providing suitable boxing. All portions of timber abutting against or embedded in masonry or concrete shall be treated against termites by giving a coat of any approved wood preservative. All T.W. work should be painted with a coat of approved wood primer.

Frames and shutters shall not be painted or erected before being approved by the Client/Architects.

BUILDERS HARDWARE:

All hardware fittings and fixtures shall be made with structural properties to sustain safety and withstand strains and stresses to which they are normally subjected to such as opening and closing, wind pressure etc. The fittings shall generally conform to relevant specifications.

They shall be made true, clear straight with sharply defined profiles and unless otherwise shown or specified with true smooth surfaces and edges, free from defects. Screw holes shall be counter sunk to suit the head of wood screws.

The metal shall be treated with finish as specified in the schedule of quantities.

BUTT HINGES:

These shall be of the heavy duty S.S. (14 gauge) of powder coated of size required with powder coated screws. M.S. hinges shall be manufactured by casting, unless it is specifically mentioned that the same shall be extruded type in which case these shall be manufacturer from extruded sections. Hinges shall be finished as specified in the respective items. The size of butt hinges shall be taken as length of the hinge.

DOOR CLOSER:

These shall be of approved make and as per Specification

PAINTING –OIL/ENAMEL/PLASTIC EMULSION ETC.

Ready mixed oil paint, plastic, emulsion paint, ready mixed synthetic enamel paint, Aluminium paint, etc. shall be brought in original containers and in sealed tins. If or any reason thinner is necessary the brand and quantity of thinner recommended by the manufacturers or as instructed by the LT/Architects shall be used.

The surface shall be prepared as specified above and cost of approved primer shall be applied. After 24 hours drying, approved if specified quality paint shall be applied evenly and smoothly. If required a filler putty coating may be given to give smooth finish. Each coat shall allowed to dry out thoroughly and then lightly rubbed down with sand paper and cleaned of dust before, the next coat is applied. Number of coats shall be as specified in the item and if however the finish of the surface is not uniform additional coats as required shall be applied to get good and uniform finish at no extra cost. After completion no hair marks from the brush or clogging of paint puddles in the corners of panel angles of mouldings shall be left on the work. The glass panes floor etc. shall be cleaned of strains.

When the final coat is applied, if directed, the surface shall be rolled with a rolled or if directed it shall be stippled with a stippling brush.

MELAMINE FINISHES:

GLOSSY/NATURAL:

TECHNICAL DATA:

Thinner recommended : Brushing –Thinner 106

Spraying – Thinner 124

Thinner intake : 20-25% by volume

Mixing ratio : Base to hardener in 10:1 by volume

Drying Time : 8 hours

Surface dry-less than 30 minutes

Hard dry-16-20 hours

Re-coating period-overnight

Finish : 25 microns film thickness smooth and glossy

Flash point : Above 14 degree C (57 degree F) Sand the surface along the grains with Emery paper No:180 or with a suitable grade sand paper. Brush the surface free of loose dust. Fill the wood using wood filler. Remove excess filler immediately after applications. Allow 2-3 hours of drying before sanding with Emery paper no:240-280. If desired, apply Apcolite wood stains by ragging after filling step or mix it in Natural Wood Finish upto 20% by volume and apply by spraying after Sealer Coat. In application by ragging allow a drying time of 5-10 minutes in between coats and 30-60 minutes before over coating with finish coats. Apply a coat of Natural Wood finish Clear Sealer. After overnight drying, smooth sand with Emery Paper No: 320 and wipe the surface free of loose dust. Apply Apcolite Natural Wood Finish Clear Glossy as follows. Ensure that the surface to be coated is free from loose matter. Natural Wood Finish clear Glossy is a two component system consisting of base and hardener. These should be mixed in a glass, plastic or enameled container. Allow the mixture to stand for 30 minutes and then apply by brushing or spraying using the recommended thinner for consistency adjustment. The mixture of base and hardener should be used within 8 hours. To enhance gloss and decorative value Natural Wood Finish Clear Glossy can be buffed using suitable buffing mops but only after 48 hours of application.

MODE OF MEASUREMENTS:

Unless otherwise stated in the schedule of quantities the method or measurement for various items in the tender shall be generally in accordance with the I.S. 900 subject to the following:

1. Pre-measurements to be recorded for all dismantling items before starting of the works.

WOOD WORK:

1. No extra measurements will be given for the shape, joints of the partitions counter, tables work etc. All work shall be measured net as fixed. No extra measurement will be given for shape, joints, played meeting styles of doors and windows and shall be measured in unit of square feet.

Areas over one face inclusive of exposed frame thickness (excluding width of cover mould) shall be measure in case of T.W. Doors, windows, and ventilators, Louvers, Portions in masonry or flooring shall not be measured.

PAINTING , WHITE WASHING , COLOUR WASHING & DISTEMPERING:

All painting work shall be measured in sq.feet.

Net area of the surface painted shall be measured. No deductions will be made for unpainted surfaces of ends of joints, beams, posts etc. and open if not exceeding 5 sq.ft each and no addition shall be made for reveals, jambs, soffits , still etc. of these opening.

The following multiplying factors for obtaining equivalent area shall be adopted.

DESCRIPTION OF WORK: HOW MEASURED MULTIPLYING FACTOR

1. Panelled,framed,ledged,braced Measured flat (not $1 \frac{1}{3}$ (for each side) And Battened girthed)including Frames, edges,checks Cleats, etc, shall be Deemed to be including in the item.
2. Flush , part panelled and part Glazed or gaused -- do -- 1 (for each side)

NOTE: THE RATES QUOTED SHALL BE INCLUDING ALL WASTAGES. THE MEASUREMENT WILL BE TAKEN ON THE LAID AREA AND FOR THE FINISHED PRODUCT ONLY.

CEILING WORK

Gypsum Board(Suspended Ceiling Regular)

Suspended ceiling , which includes GI perimeter channels of size 0.55 thick along with perimeter of ceiling,screw fixed to brick wall/partition with the help of nylon sleeves and screws, at 610mm centers.

Jointing & finishing : Finally square and tapered edges of the boards are to be jointed and finished so as to have a flush look which includes filling and finishing with jointing compound, joint paper tape and two coats of drywall top coat suitable for Gypboard(as per recommended practices of BPB India Gypsum).

Alternatively all square & tapered edge joints to be filled with Universal Board finish plaster & joint paper tape is embedded to complete the first application. Finally 2mm thick Board finish plaster is applied on the entire surface of Gypboard to achieve smooth & seamless finish. The plaster application shall be carried out with BPB T & T, as per the recommended specification of BPB IGL.

Note

- For Lighting fittings, grills, diffusers & cut-outs etc have to be made with the frame of perimeter channels , supported suitably & should be considered
- All steel sections shall be marked with 'Gypsteel™(registered trademark of BPB IGL) & Holograms

Gypsum Grid Ceiling

BPB Suspended grid system with galvanized steel 'T' section frame work of hot dipped galvanized steel precoated (exposed portion only), which includes flush fitting 900mm long cross tees to be interlocked between main runners at 600mm

centres to form 900 x 600mm modules. Cut cross tees longer than 600mm to be supported independently. 600 x 600mm modules to be formed by fitting 600mm long flush fitting cross tees centrally between the 900mm cross tees.

Description:

Suspension system : The BPB suspension system shall be of hot dipped pre-coated galvanized steel sections which includes the following members :

Main Runner : 'T' Section of size 38 x 24 x 0.35mm & 3.6mtr long

Cross Runner: 'T' Section of size 25 x 24 x 0.30mm & 1.2mtr long

Cross Runner: 'T' Section of size 25 x 24 x 0.30mm & 0.6mtr long

Wall Angle : 24 x 24 x 0.45mm & 3.05 mtr long

The 'T' section shall be suspended from the soffit with the help of soffit cleat, Rawl plug, GI wire rod of 4mm dia with galvanized spring level clips at 900mm centres.

Boarding : 8mm/9.5mm/12.5mm thick Gypboard ceiling panel of size 595mm x 595mm shall be placed into the grid size of 600 x 600mm **GLAZING:**

1. All glass is to be of approved manufacturer of approved quality and shall be free from bubbles, smokes, waves, air holes and other defects. The kind of glass to be used shall be as mentioned in the item or specification or in the special provisions or as shown in detailed drawings. Thickness of glass panel shall be uniform. All glass to be approved manufacture complying with IS : 3548 – 196 or as per approved quality and sample.
2. The compound for glazing to metal is to be special non- hardening compound manufacture for the purpose and of 9 brand and quality approved the EIC.
3. While cutting glass, proper allowance by made for expansion. Each square of glazing to be in one whole sheet. On completion of work, all glass shall be cleaned inside and outside and all cracked scratched and broken panes shall be replaced and left in a good condition.
4. All exposed edges of glass shall be lead polished.

OTHER CONDITIONS

1. On award of work, the contraction agency shall prepare furniture as per sample of the various items of work available at site. Minor modifications that may be necessitated shall be incorporated without any financial implication. In respect of items, where only one piece of item is to be executed, adequate care should be taken to have the item inspected at every stage of manufacture to enable incorporation of any minor modification that may be necessitated.
2. The basis rate for fabric specified in the various items of work are cost prires including all taxes as applicable. All samples of fabric shall be approved by the employer before procurement and all cash vouchers for all the fabric procured shall be submitted for price adjustment as provided in the tender.

The Engineer-in-charge may include in the interim certification up to 80% value only on items of boards, plywood, wood rubber/fear fabric and other major items (against proof of cost of material by invoice, bills etc. Upon site by the contractor of use in the work. Decision of engineer-in-charge as regarding the extent of materials required for incorporation in the permanent works, as well at the cost of materials shall be final and binding on the contractor. The contractor shall execute necessary indemnity, hypothecation bonds and other formalities as stipulated by employer. The secured advance so paid shall be recovered from the concerned materials are incorporated in the works and bills for. Balance amount if any, will be recovered from the final bill of the contractor/ any other dues.

BLINDS

Providing and fixing roller blinds with 38mm OD roll formed and lock seamed steel of 0.5mm thickness suitably protected against corrosion.

Chain drive unit shall be of high engineering grade moulded plastic with steel support pin enclosed in a plastic housing and inserted into the control tube end. It shall be driven by a ball chain pulley attached to a specially designed clutch mechanism, forming a continuous loop.

Control Ball chain shall be composed of braided nylon cord (2mm dia.) with high engineering grade plastic beads of 4.5mm diameter mounted co-axially on the cord with a pitch of 6.2 mm (C-T-C). It is used for raising or lowering the shade.

Bottom rail shall be aluminum tube, anodized with a diameter of 20mm and thickness of 0.5mm. The return end cap bracket shall incorporate a snap spring design to facilitate easy installation and removal for maintenance activities. The bracket shall be finished with a flush mounting cover on each side providing an aesthetic finish. The clutch should mount flush to the face of the bracket, which minimizes the light gap between the shade and the window frame.

GENERAL SPECIFICATION FOR ELECTRICAL WORK

MEDIUM VOLTAGE DISTRIBUTION SYSTEM

(Internal Lighting & Power wiring)

1.0 GENERAL:

1.1.1 Medium voltage distribution system shall be applicable for wiring 3 phase, 4 wire 415 volts, 50 Hz, AC supply and single phase, 2 wire 230 volts, 50 Hz, AC supply.

1.1.2 This section covers the general technical requirements & measurement of the various components in internal electrical installation works.

1.2.0 REGULATION & STANDARDS:

1.2.1 The system shall be governed by the requirements of IS: 732 and I.E. Rules and NEC. IS Standards and Codes applicable for medium voltage distribution is also listed in specification.

1.2.2 The definitions of terms shall be in accordance with IS: 732-1989 (Indian Standards Code of Practice for Electrical Wiring), except for the definitions of point, circuit, & sub-main wiring, which are defined in clauses hereunder.

The conventional signs & symbols for technical work shall be as shown in drawing.

1.2.3.0 POINT WIRING

1.2.3.1 A point (other than socket outlet point) shall include all work necessary in complete wiring to the following outlets from the controlling switch or MCB. The scope of wiring for a point shall however, include the wiring work necessary in tapping from another point in the same distribution circuit.

- a) Ceiling rose or connector (in the case of points for ceiling/ exhaust fan points, prewired light and call bells)
- b) Ceiling rose (in case of pendants except stiff pendants).
- c) Back plate (in case of stiff pendants).
- d) Lamp holder (in case of goose neck type wall brackets, batten holders and fittings which are not prewired).

Note: In case of call bell points, the words "controlling switch or MCB" shall be read as "from the ceiling rose meant for connection to bell push".

1.2.3.3 Following shall be deemed to be included in point wiring.

- a) Supplying and fixing/ drawing of cables in conduits including connections.
- b) Supplying and fixing wood battens, bends, corners, fillers, tee-pieces etc. required for wiring on battens.
- c) Metal switch boxes for control switches, regulators, sockets etc. recessed or surface type, and
 - (i) Phenolic laminated sheet covers over the same for piano type switches.
 - (ii) Modular covers over the same for modular type switches and MCBs.
- d) Supplying and fixing all accessories such as screws, clips, plugs, clamps etc. as specified for securing, cables, battens, conduits etc. to walls, steel joists etc.

- e) Supplying and fixing of bushed conduit or porcelain tubing for wiring to pass through walls, floors, etc.
- f) Supplying and fixing of joint and junction boxes.
- g) Control switch piano type, modular type, MCB as specified in the BOQ.
- h) Cutting holes in or through walls, taking up and re-fixing floor boards, notching or drilling holes thorough joists and making good all disturbed work to match the existing.
- i) Shellac varnishing as specified to wood battens, wood blocks and other wood fittings and fixtures.
- j) Pointing of battens and cables or surface conduits along with painting of walls.
- k) Testing as specified.

1.2.1.1.1 MEASUREMENTS

2.3.1 Point wiring (other than socket outlet point)

- (i) Unless other wise specified there shall be no linear measurement for point wiring, light points, fan points, ex fan points & call bell points. These shall be measured on unit bases by counting.
- (ii) No separate measurement shall be made for interconnections between points in the same distribution circuits & for the circuit protective (loop earthing) conductors between metallic switch boxes.

2.3.2 Point wiring for socket outlet points.

- (i) The light plug 5A/ 6A & power plug 15A/ 16A points wiring shall be measured on linear basis/ on unit bases by counting, as per BOQ, from the respective tapping point of live cable viz switch box, another socket outlet points, or the sub distribution board as the case may be upto the socket outlet. the metal box with cover, switch/ MCB, socket outlet & other accessories shall be measured and paid as a separate item.

The power point outlet may be 15A/ 15A or 16A/ 16A six/ three pin socket outlet, where so specified in the tender documents.

2.3.3 Group control/ Loop Points wiring

- (i) In the case of points with more than one point controlled by the same switch, the same point shall be measured in parts i.e. (a) from the switch to the first point outlet as one point and (b) for the subsequent points, shall be treated as separate point(s).
- (ii) No recovery shall be made for non provision of more than one switch/ MCB. In such cases.

2.3.4 Twin control light points wiring.

- (i) A light point controlled by 2 Nos. of two way switches shall be measured as two separate points from the fitting to switches on either side.
- (ii) No recovery shall be made for non provision of more than one ceiling rose or connector in such cases.

2.4 CIRCUIT AND SUB-MAIN WIRING.

Circuit and Sub main wiring including obtaining the electricity connection from NDMC and installing the meter from the NDMC and integration with emergency supply by Consortium of Tanents. Site to be studied before hand.

2.4.1 Circuit wiring

Circuit wiring shall mean the wiring from the distribution board upto the tapping to the nearest first point of the distribution circuit viz upto the nearest switch box.

2.4.2 Sub –main wiring

Sub-main wiring shall mean wiring form one main/ distribution switch board to another.

2.4.3 Measurement of Circuit & Sub-Main wiring.

- (i) Circuit & Sub-Main wiring shall be measured on linear basis along the run of the wiring or as mentioned in BOQ. The measurement shall include all lengths from end to end of conduit or PVC casting capping as the case may be, exclusive of interconnection inside switch board etc. The increase on account of diversion or slackness shall not be included in the measurement.
- (ii) The length of circuit wiring with two wires shall be measured from the distribution board to the first nearest switch box in the circuit irrespective of whether the neutral conductor is taken to the switch box or not.
- (iii) When wires of different circuits are grouped in a single conduit, the same shall be measured to the nearest switch box in the circuit irrespective of weather the neutral conductor is taken to the switch box or not.
- (iv) When circuit wires and wires of point wiring are run in the same conduit, circuit wiring shall be measured on linear basis depending on the actual number of sizes of wires run in the existing conduit.
- (v) Protective (loop earthing) conductors which are run along the circuit wiring and the sub-main wiring shall be measured on linear basis and paid for separately.

2.2 6 & 16 Amp Switch Socket Outlet - modular range.

2.3.5 Switch socket outlet on lighting circuit shall be of 5 pin 6 Amp outlet and shall have safety shutters. The switch shall be of rocker mechanism type with silver safety contact. Switch and socket outlet shall be separate unit in modular range and shall be plate type and of white finish. Switch shall be indicator type.

2.4 **CIRCUIT AND SUB-MAIN WIRING.**

2.4.1 Circuit wiring

Circuit wiring shall mean the wiring from the distribution board upto the tapping to the nearest first point of the distribution circuit viz upto the nearest switch box.

2.4.2 Sub –main wiring

Sub-main wiring shall mean wiring form one main/ distribution switch board to another.

2.4.3 Measurement of Circuit & Sub-Main wiring.

- Circuit & Sub-Main wiring shall be measured on linear basis along the run of the wiring or as mentioned in BOQ. The measurement shall include all lengths from end to end of conduit or PVC casting capping as the case may be, exclusive of interconnection inside switch board etc. The increase on account of diversion or slackness shall not be included in the measurement.
- The length of circuit wiring with two wires shall be measured from the distribution board to the first nearest switch box in the circuit irrespective of whether the neutral conductor is taken to the switch box or not.

- When wires of different circuits are grouped in a single conduit, the same shall be measured to the nearest switch box in the circuit irrespective of whether the neutral conductor is taken to the switch box or not.
- When circuit wires and wires of point wiring are run in the same conduit, circuit wiring shall be measured on linear basis depending on the actual number of sizes of wires run in the existing conduit.
- Protective (loop earthing) conductors which are run along the circuit wiring and the sub-main wiring shall be measured on linear basis and paid for separately.

2.4.4 **6 & 16 Amp Switch Socket Outlet - modular range.**

2.4.5 Switch socket outlet on lighting circuit shall be of 5 pin 6 Amp outlet and shall have safety shutters. The switch shall be of rocker mechanism type with silver safety contact. Switch and socket outlet shall be separate unit in modular range and shall be plate type and of white finish. Switch shall be indicator type.

2.5 **LIGHTING FIXTURES & FANS**

2.5.1 Luminaire shall be supplied as per the design specified in the Schedule of Quantities. Luminaires shall be complete in all respects with basic mounting channel, lamp holders, starter with holder, copper/ electronic ballast, connector block, internal wiring and decorative attachments, if any.

2.5.2 The light fixtures and fans shall be assembled and installed in position (both for surface mounted and recessed version) complete and ready for service in accordance with the detailed drawings, manufacturer's instructions and to the satisfaction of the Engineer-In-Charge.

2.5.3 Light fixtures in general shall be recessed type in false ceiling or surface mounted on soffit of slab or wall with rawl plugs. Luminaries shall be installed as specified on the drawings. Wherever luminaires are fixed on the false ceiling, suitable supporting and fixture arrangements independent of the frame, work of false ceiling shall be provided.

2.5.4 Suspended type fluorescent light fixture shall be fixed to circular junction box with a metallic ball and socket arrangement and comprising of suspension pipes etc, for installing the luminaries.

2.5.5 Fixtures shall be suspended true to alignment plumb level and capable of resisting all lateral and vertical forces and shall be fixed as required. It is the duty of the Contractor to make these provisions at the appropriate stage & locations shown on the drawings.

2.5.6 All the materials used in the construction of luminaries shall be of such quality, design and construction that will provide adequate protection in normal use, against mechanical, electric failure/ faults and exposure to the risk of injury or electric shock & shall withstand the effect of exposure to atmosphere.

2.5.7 Erection of fixtures shall include assembling of all components of the fixtures such as chokes, condensers, starters, ignitor, decorative attachments, etc

2.5.8 Bulkhead fittings shall be of cast iron/ cast aluminium body suitably painted white inside and grey outside complete with heat resistant glass cover, lamp holder and wire guard suitable for 100 watts incandescent lamp.

2.6 LAMPS

2.6.1 Fluorescent lamps shall conform to IS in all respects. Fluorescent lamps shall be of bi-pin pattern. The colour of the light shall be white or cool day light, as required. Unless otherwise specified. The lamps shall be of required wattage as per approved lighting scheme.

2.7. LAMP HOLDERS, CEILING ROSES ETC.

2.7.1 Accessories for light outlets such as lamp holders, ceiling roses etc. shall be in conformity with requirements of relevant IS Specifications. Only approved make of accessories shall be supplied.

2.8 BALLASTS

2.8.1 All ballast in general shall be copper wound and shall be silent in operation. Ballast shall have a long life and shall be highly reliable.

2.8.2 For fluorescent lamp fixtures low loss ballasts shall be used unless otherwise stated.

2.8.3 Ballasts shall be suitable for 240V, 50 Hz AC supply.

TESTING OF ELECTRICAL INSTALLATION

3.0 Testing & installation shall be as per IS : 732-1963.

3.1.1 The insulation resistance measured as above shall not be less than 50 divided by the number of points on the circuits provided that the whole installation shall be required to have an insulation resistance greater than one mega-ohm.

3.1.2 Control rheostat, heating and power appliance and electrical signs may, if required, be disconnected from the circuit during the test, but in event the insulation resistance between the case or frame work and all live parts of each rheostat appliance and sign shall not be less than that specified in the relevant Indian Standard Specification or where there is no such specifications shall not be less than half meg-ohm.

3.1.3 The insulation resistance shall also be measured between all conductors connected to one pole or phase conductor of the supply and all the conductors connected to the middle wire or the neutral or to the other pole or phase conductors of the supply and its value shall not be less than specified in sub-clause (1.2).

3.1.4 On completion of an electrical installation (or an extension to an installation) a certificate shall be furnished by the contractor, counter signed by the supervisor under whose direct supervision the work has been carried out.

3.2 Testing of Earth Continuity Path:

3.2.1 The earth continuity conductor including metal conduits and metallic enclosures or in all cases shall be tested for electric continuity and the electrical resistance of the same alongwith the earthing lead but excluding any added resistance or earth leakage circuit breaker measured from the connection with the earth electrodes to any points in the earth continuity conductor in the complete installation shall not exceed one mega-ohm.

3.2.2 Before a completed installation or an extension to an existing installation is put into service it shall be tested as per IS-732. The following tests shall be specifically carried out for all lighting installations.

3.2.2.1 Insulation Resistance

3.2.2.2 Testing of earth continuity path.

3.2.2.3 Testing of polarity of single pole switches.

3.3 **Lighting circuits** shall be tested in the following manner:

3.3.1 All switches 'on' and consuming devices in circuit, both polls connected together, to obtain resistance to earth.

3.3.2 Between polls with lamps and other consuming devices remove and switches 'on' and-

3.3.3 With lamps and other consuming devices in position but switches 'off'.

3.4 **RESISTANCE OF EARTH.**

3.4.1 The resistance of earthing system shall not exceed one ohm. Earth testing results to be got approved by the Inspecting Authority.

LIST OF INDIAN STANDARDS

1. I.S. No. 900 – Latest measurement of building and civil engineering work.
2. I.S. No. 287 – 1973.
Recommendation for maximum permissible moisture content of Tiber used for different purposes in different climatic zones.
3. I. S. No. 1141 – 1973 code of practice for seasoning of timber.
4. I. S. No. 6534 – 1971 guiding principles for grading and inspection of timber.
5. I. S. No. 900 (Part XXI) 1973
Method of measurement of building and civil engineering works. Part XXI wood work and joinery.
6. I. S. No. 3845 – 1966. code of practice for joints used in wooden furniture.
7. I. S. No. 4000 – 1967. Wooden flush doors. Type to method of test for.
8. I. S. No. 4970 – 1973. Key for identification of commercial timbers.
9. I. S. No. 3364 (Part II) – 1975, Method of measurement and evaluation of defects in timber, part II converted timber.
10. I. S. No. 1708 – 1969. Method of testing small clear specimens of timber.
11. I. S. No. 6342 – 1971. Rose wood logs for production of sliced veneers.
12. I. S. No. 5248 – 1969. Teak logs for production of sliced veneers.
13. I. S. No. 2202 (Part I) 1973. Specification for wooden flush door shutters (solid core type part I plywood)
14. I. S. No. 2338 (Part I) – 1967. Code of practice for finishing of wood and wood based materials part I operations and workmanship.
15. I. S. No. 7630 – 1975. Methods of sampling of plywood.
16. I. S. No. 303 – 1975. Specification for plywood for general purposes.
- 17 I. S. No. 3129 – 1965. Specification for article board for insulation purposes.
18. I. S. No. 3513 – 1966. (part I. S. No. & part IV). High and medium density wood based laminates part I. S. No. general purposes. Part IV sampling test.
19. I. S. No. 1659 – 1979 block boards.
20. I. S. No. 7316 – 1974. Decorative plywood using plurality ov veneers for decorative faces.
21. I. S. No. 3478 – 1966. High density wood particle boards.
22. I. S. No. 1734 (part I to XX). Plywood method of test for
Part I .. General
Part II .. Plywood
Part III ... Battens

23. I. S. No. 1328 – 1970. Veneer decorative plywood.
24. I. S. No. 710 – Marine ply.
25. I. S. No. 3087 – 1965. Wood particle boards (Medium density)
26. I. S. No. 848 – 1974. Specification for synthetic resin adhesives for plywood (Phenolic & Aminoplastic)
27. I. S. No. 2046 – 1969. Specification for decorative laminate.
28. I. S. No. 8273 – 1976. Fibrous gypsum plaster boards.
29. I. S. No. 2095 – 1964. Gypsum plaster boards.
30. I. S. No. 2542 (part I) – 1978. gypsum plaster concrete and products, methods of test for part I – plaster and concrete.
31. I. S. No. 8272 – 1976. gypsum plaster for use in the manufacture of fibrous plaster boards.
32. I. S. No. 2441 – 1963. Fixing coiling coverings code of practice for.
33. I. S. No. 2835 – 1977. Specification for flat transparent sheet glass.
34. I. S. No. 2395 (Part I) – 1966 2395 (Part II) – 1967
Painting to concretes, masonry, plaster surfaces code of practice for part – I operation and workmanship part II schedule.
35. I. S. No. 3548 – 1966. Glazing in building code of practice for.
36. I. S. No. 6278 – 1971. White washing and colour washing, code for practice for.
37. I. S. No. 137 – 1965. Specification for ready mixed paint brushing, matt or egg shall flat finishing, interior to Indian standards colours as required.
38. I. S. No. 133 – 1975. Specification for ready mixed paint brushing, wooden coating, interior to Indian standard colours.
39. I. S. No. 129 – 1950. Specification for enamel interior (a) under coating (b) finishing
40. I. S. No. 90 – 1950. Specification for ready mixed paint brushing gray filler for enamel for use over primer.
41. I. S. No. 129 – 1950. Specification for ready mixed paint brushing, finishing, interior, oil gloss, for general purposes to Indian standard colours.
42. I. S. No. 533 – 1973. Specification for gum sprit of turpentine (oil of turpentine)
43. I. S. No. 101 – 1964. Methods of test for ready mixed paints and enamel.
44. I. S. No. 75 – 1973. Specification for linseed oil, and refined.
45. I. S. No. 77 – 1976. Specification for linseed oil, boiled for paint.
46. I. S. No. 124 (part I) – 1976. Specification for ready mixed paint brushing, finishing, semi glosses, for general purpose.
47. I. S. No. 5884 – Specification for woolen carpets.
48. I. S. No. 104 – 1979. Specification for ready mixed paint brushing, finishing, zinc chrome primer.
49. I. S. No. 5391 – 1969. Adjustable metal chairs for use of typist and operators in telephone exchanges.

50. I. S. No. 8756 – 1978. Ball catches for use in wooden almirahs.
51. I. S. No. 3499 – 1976 (part II) chairs for office purposes metal revolving and tilt in.
52. I. S. No. 5416 – 1969. General purpose wooden chairs methods of test for.
53. I. S. No. 6185 – 1971. High chairs specification and safety requirements for.
54. I. S. No. 4116 – 1976. Joints used in wooden furniture code of practice for.
55. I. S. No. 3845 – 1966. Joints used in wooden furniture code of practice for.
56. I. S. No. 7070 – 1973. Shelving racks wooden (adjustable and non adjustable type).
57. I. S. No. 4414 – 1977. Table tops (wooden)
58. I. S. No. 5967 – 1969. Tables, wooden, methods of test for.
60. I. S. No. 799 – 1979. Drawer locks, cupboards and box locks.
61. I. S. No. 7981 – (part I) – 1975. glossary of terms relating to builders hardware – part I locks.
62. I. S. No. 204 – (part I II) 1978. Tower bolts ferrous metals and nonferrous metals.

NB : The various items to be used in the interior decoration

work shall be of BRANDED manufactures of market

leaders above clause is only for specifying ISI standards.

LIST OF APPROVED MANUFACTURES / SUPPLIERS OF MATERIALS

S.NO	ITEM	MAKE
1	GREY CEMENT	ACC, LARSEN & TOUBRO, GUJARAT AMBUJA, VIKRAM,J.K, BIRLA, SHREE
2	WHITE CEMENT	JK, BIRLA
3	WATER STOP	FIXOPAN OR APPROVED EQUIV
4	ANTI-TERMITE TREATMENT	PEST CONTROL INDIA LTD, PEST CON INDIA, PEST CONTROL INCORPORATED
5	TEAK WOOD	NAGPUR , GHANA
6	FLUSH DOORS	MERINO, ARCHID PLY, GREEN PLY
7	PLYWOOD / BLOCK BOARD	ARCHID PLY, MAYUR PLY,SILICON
8	VENEERS	ARCHID PLY, SILICON, DURO
9	LAMINATES	MERINO, FORMICA, SUNMICA
10	ADHESIVE FOR WOOD WORK	DUNLOP, FEVICOL, VAMICOL, PIDILITE
11	GYPSUM BOARD	GYPSUM INDIA LIMITED
12	ALUMINIUM EXTRUSIONS	JINDAL, HINDALCO, NARMADA, BHARUKA, INDAL, MAHAVIR
13	STAINLESS STEEL	SALEM, JINDAL
14	FLOAT GLASS	MODI GUARD, SAINT GOBAIN, ASAHI
15	CERAMIC TILES	NITCO, KAJARIA, SOMANI, ORIENT
16	VITRIFIED TILES	URO , MARBITO , ORIENT
17	GLASS WOOL TILES	DECOPHON , ECHOPHON
18	PAINT	NEROLAC, JOHNSON & NICHOLSON, BERGER, ASIAN PAINTS
19	TEXTURE PAINT	UNITILE , ACRO, NIKO BUILDING
20	DOOR FITTINGS	DORMA, HAFELE , DLINE
21	TILES ADESIVE/GROUT	LATECREAT, FERROUS , BAL ENDURA
22	TOUGHNED GLASS	GOLD PLUS , TRUTUF, SEIAL TUFF
23	FLOAT GLASS/ MIRROR	MODI GUARD , SAINT GOBAIN, ASAHI FLOAT
24	POLISH	ICI , ASIAN
25	GLASS MOSAIC TILES	PILLADIO , BIZASA
26	ALUMINIUM SECTION	HINDALCO , JINDAL, MAHAVIR

27	BLINDS	TRAC, VISTA, HUNTERDOUGLAS
28	OFFICE FURNITURE	ERGO, DIVINE INNOVATION, GODREJ
29	CHAIRS	GODREJ / SPAN / FEATHERLITE
30	DDG Chambers (All Furniture)	(Godrej/Harman Miller/Vitra)
31	ADG Chambers (All Furniture)	(Godrej/Harman Miller/Vitra)

LIST OF APPROVED MAKES (PLUMBING WORK)

S.NO	ITEM	MAKE
1	Vitreous china sanitary ware	PARRYWARE, HINDUSTAN SANITARY WARE, CERA,SEABIRD
2	Wc connectors	MULTIKWIK (UK), SUPREME
3	Seat cover (heavy duty)	COMMANDER, DIPLOMATE, BESTOLITE, PRINCE
4	Shower tray	WOVEN GOLD, EUROSPA, AQUABATCH
5	Stainless steel sink	KINGSTON, NEELKANTH OR EQUIVALENT
6	Hand drier	KOPAL, ATMAS, UTEC SYSTEM, TOSHI
7	CP Brass Fittings and toiletaccessories	GEM, LAURET, AQUA PLUS
8	Angle valve with filter	ARCO,AQUA PLUS,PARKO,SEIKO
9	C.P. Grating for Floor Trap	CHILLY COCKROACH TRAP,SEIKO,COBRA,NEALKANTH
10	C.I. L.A fittings	KARTAR, KESORAM, ELECTROSTEEL
11	Pipe clamps	CHILLY OR EQUIVALENT ISI MAKE
12	GI Pipes (IS : 1239 and IS : 3589)	TATA STEEL, JINDAL (HISSAR),PRAKASH,RAVINDRA
13	GI pipes fittings	UNIQUE, ZOLOTO M,RR,KS OR EQUIVALENT ISI MAKE
14	Pvc pipe	SUPREME, AJAY, FINOLEX OR EQUIVALENT ISI MAKE
15	Pressure reducing valve	LEADER, ZOLOTO, RBM
	T/Y STRAINER	LEADER, ZOLOTO , ADVANCE

ELECTRICAL WORKS

LIST OF APPROVED MAKES/AGENCIES FOR ELECTRICAL WORKS

S.NO	ITEM	MAKE
1	PVC CONDUIT	BEC/AKG /PRECISION
2	FLEXIBLE CONDUIT	HENSEL/LEGRAND/TRINITY TOUCH/LAPP
3	BACKELITE SHEET	HYLAM/FORMICA/GREEN LAM
4	1.1 KV PVC INSULATED COPPER WIRE (ISI MARKED)	FINOLEX/SKYLINE/HAVELS/VINAY/RAJNIGANDHA/ANCHOR
5	TELEPHONE CABLE	DELTON/SKY LINE/ VINAY/ FINOLEX/SKY TONE/
6	MODULAR TYPE SWITCHES AND SOCKET	Crabtree /SSK/North West .
7	MCB ISOLATOR, RCCB, ELCB (OF ALL RATINGS)	L&T HAGER/LEGRAND/MDS/SIEMENS/ GE/ ABB/HAVELLS
8	CEILING FANS	GE/ BAJAJ/ CROMPTON/ USHA/ KHAITAN
9	LIGHTFIXTURES/FITTINGS AND LAMPS\	BAJAJ/PHILIPS/CROMPTON/WIPRO/HAVELS/GE INDIA
10	ENERGY METER	HAVELL'S/L&T/SECURE/BENITEC
11	TV COAXIAL CABLE	DELTON/SKY LINE/NATIONAL/ SHYAM/ ANCHOR
12	MCCB	L&T/SIEMEN.S/M DS LEGRAND/ GE POWER/ABB
13	MCB DISTRIBUTION BOARD	L&T HANGER/LEGRAND (MDS)/SIEMEN'S/ABB/GE
14	EXHAUST/ AXIAL FLOW/ VENTILATION FAN	G.E/CROMPTON GREAVES/BAJAJ/ KHAITAN39 FLEXIBLE PIPE LAPP/RODEX
15	CONTROL & INSTRUMENTATION CABLE	DELTON/SKY LINE/ NATIONAL/ GRI NDLAY/ LAPP/ANCHOR
16	METERS	AUTOMATIC ELECTRIC/ L&T / RISHABH/ DUCATI
17	ACCESS SYSTEM	SIEMENS OR EQUIV

HVAC WORKS

LIST OF APPROVED MAKES/AGENCIES FOR HVAC WORKS

S.No.	Item Description	Approved Makes
1	Split Conditioner	DAIKIN / HITACHI / O GENERAL
2	Double skin AHUs	Caryaire / Novair / Zeco / Divine
3	Centrifugal Fans	Nicotra / Comefri / Kruger / Blow tech
4	Propeller fans	GEC Alstom / Crompton / Khaitan
5	Pumps	Kirloskar / Mather & Platt
6	Closed cell insulation	Arrowflex / Trocellen / Rubflex
7	Pipes	Jindal / Tata / Sail
8	Butterfly valves	Advance / Audco / Keystone
9	Gate & Globe Valves	Leader (ISI) / Zoloto
10	Y & Pot Strainers	Repid Cool / Sandhu
11	Pressure gages	H. Guru / Feibig
12	Thermometers	H. Guru / Taylor
13	Auto Air vents	Anergy / Rapid Cool
14	Water Flow switch	Rapid Cool / Anergy
15	GI Sheets	Tata / Bhushan / Sail / Jindal
16	Dampers/Grilles/Diffuser	Caryaire / Mapro / Air master
17	Exapanded Polystyrene	Styrene Packing / Beardsell
18	Tybe Axial Fans	Greenheck / Systemair / Penn
1	Vibration Isolators	Kanwal / Resistoflex
20	Motors 25HP	Kirloskar , Bharat Bijli, Crompton , Alsthom Ltd / ABB
21	Electrical panels	Adarsh Control / Advance / Khokhar Elect. / Triolite
22	Cables	Ecko / Havells / Skytone
23	Relays	GEC/ABB/AVKC /HAVELLS / L&T
24	Hot water Generators	Racold / Venus /

Note:

- i) The Contractor should obtain prior approval from Architect before placing order for any specific material / agency.

- ii) All materials to be delivered at site. If the material used for the work is not in conformity with the specifications, the same shall be replaced by contractor. All the material required for the above work shall be arranged by the contractor at his own cost.

- iii) Selection of material to be done in consultation with the Architect and Engineer-in-Charge.
- iv) All materials shall be of the first quality.

DECLARATION

I have studied the contents of all the proceeding 47 pages of this tender document carefully. I have signed each page of this document in token thereof.

There is no deviation, counter after and / or conditional offer. If anything express or implied is found in the tender the same shall be treated as null and void.

Signature of the Contractor

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