#### INDIRA GANDHI NATIONAL OPEN UNIVERSITY CONSTRUCTION & MAINTENANCE DIVISION MAIDAN GARHI: NEW DELHI- 110 068

#### **NOTICE INVITING TENDER**

- 1. Item Rate tenders are invited on behalf of Vice Chancellor, IGNOU from the equipment manufacturer or their authorized agents of "Daikin Make" for the work of Annual Maintenance Contract for VRV-type Daikin make Air-Conditioning system installed at block No.-15, IGNOU Campus, Maidan Garhi, New Delhi.
- 2. The enlistment of the contractor should be valid on the last date of sale of tenders.
- 3. In case only the last date of sale of tender is extended, the enlistment of contractor should be valid on the original date of sale of tenders.
- 4. In case both the last date of receipt of application and sale of tenders are extended, the enlistment of contractor should be valid on either of the two date's i.e. original date of sale of tender or the extended date of sale of tenders.
- 5. The work is estimated to cost ₹ 13,78,890/- (Rupees Thirteen Lakh seventy eight thousand eight hundred ninety only). This estimate, however, is given merely as a rough guide.
- 6. The authority competent to approve NIT for the combined cost and belonging to the major discipline will consolidate NIT's for calling the tenders. He will also nominate Division, which will deal with all matters relating to the invitation of tenders. For composite tenders, besides indicating the combined estimated cost put to tender, should clearly indicate the estimated cost of each component separately. The eligibility of tender will correspond to the combined estimated cost of different components put to tender.
- 7. The tenders will be issued to eligible contractors provided they produce definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority of having satisfactorily completed similar works of magnitude as specified in the advertisement.
- 8. Agreement shall be drawn with the successful tender on prescribed Form No. CPWD-8, which is available as a Govt. of India publication. Tender shall quote his rates as per various terms and conditions of the said form, which will form part of the agreement.
- 9. The time allowed for carrying out the work will be one year from the date of start as defined in the Schedule 'F' or from the first date of handing over the site, whichever is later, in accordance with the phasing, if any, indicated in the tender documents.
- 10. The site for the work shall be made available in parts as specified below: Site is available.
- 11. Applications for issue of forms shall be received by ------ (2.30 PM) and tender documents shall be issued by Executive Engineer (C) (upto 2.30 p.m.). Tender documents consisting of plans, specifications, the schedule of quantities of various classes of work be done and the set of terms and conditions of contract to be complied with by the contractor whose tender may be accepted and other necessary documents can be seen in the office of the Executive Engineer between hours of 11.00 a.m. & 4.00 p.m. from \_\_\_\_\_\_ to \_\_\_\_\_ everyday except on Saturdays/Sundays and Public Holidays. Tender documents, excluding standard for, will be issued from his office, during the hours specified above, on payment of ₹ 500/- in cash (non-refundable) as cost of tender.
- 12. Earnest Money of ₹ 27,578/- in shape of Pay Order/Demand Draft of a schedule Bank issued in favour of IGNOU, New Delhi should accompany the tender.

- 13. Tenders, which should always be placed in sealed envelope, with the name of work and due date written on the envelopes, will be received by the Executive Engineer (E) upto 3.00 p.m. on ------ and will be opened by him or his authorized representative in his office on the same day at 3.30 p.m.
- 14. The contractor, whose tender is accepted, will be required to furnish Performance Guarantee of 5% (Five percent) of the tendered amount within the period specified in Schedule 'F'. This guarantee shall be in the form of cash (in case guarantee amount is less than ₹ 10,000/-) or Deposit at call receipt of any scheduled bank/Banker's cheque of any scheduled bank/Demand draft of any scheduled bank/Pay order of any scheduled bank (in case guarantee amount is less than ₹ 1,00,000/-) or Government securities of Fixed deposit receipts or Guarantee bonds of any Scheduled bank or the State Bank of India in accordance with the prescribed form.
- 15. Description of work is given at Page No. 1 may be seen. Copies of other drawings and documents pertaining to the works will be open for inspection by the tender at the office of the above mentioned officer. Tender are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of the ground and sub-soil (so far as 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 tender 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 tender 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 executing the work unless otherwise specifically provided for in the contract documents. Submission of a tender by a tender implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plants etc will be issued to him by the IGNOU and local conditions other factors having a bearing on the execution of work.
- 16. The competent authority on behalf of Vice Chancellor, Indira Gandhi National Open University does not bind itself to accept the lowest or any other tender and reserves to itself the authority to reject any or all tenders received without assignment of any reasons. All tenders in which any of the prescribed condition is not fulfilled or any conditions including that of conditional rebate is put forth by the tender shall be summarily rejected.
- 17. Canvassing whether directly or indirectly, in connection with tenders is strictly prohibited and the tenders submitted by the contractor who resorts to canvassing will be liable to rejection.
- 18. The competent authority on behalf of Vice Chancellor, Indira Gandhi National Open University reserves to himself the right of accepting the whole or any part of the tender and the tender shall be bound to perform the same at the rate quoted.
- 19. The contractor shall not be permitted to tender for work in IGNOU (responsible for award and execution of contracts) in which his near relative is posted as Divisional Accountant or as an officer in any capacity between the grade of Suptd. Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relative to any gazetted officer in the University. Any breach of this condition by the contractor would render him liable to be removed from the approved list of the contractors of this department.
- 20. No Engineer of gazetted rank or other gazetted officer employed in Engineering or Administrative duties in an Engineering deptt. of the University is allowed to work as a contractor for a period of one year after his retirement from service, without the previous permission of the University authorities in writing. The contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such person who had not obtained the permission of the University as aforesaid before submission of the tender or engagement in the contractor's service.

- 21. The tender for the works shall remain open for acceptance for a period of ninety (90) days from the date of opening of tenders. If any tender withdraws his tender before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the tender which are not acceptable to the deptt, then the University shall, without prejudice to the any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the tender shall not be allowed to participate in the re-tendering process of the work.
- 22. This Notice Inviting Tender shall form a part of the contract document. The successful tendered/contractor, on acceptance of his tender by the Accepting authority, shall, within 15 days from the stipulated date of start of the work, sign the contract consisting of :
  - (a) The Notice Inviting Tender, all the documents including additional conditions, specifications and drawings, if any, forming the tender as issued at the time of invitation of tender and acceptance thereof together with any correspondence leading thereto.
  - (b) Standard CPWD form 8.
- 23. For composite tenders
  - (i) The tender must associate with himself agencies of the appropriate class eligible to tender for the other components individually.
  - (ii) It will be obligatory on the part of the tender to sign the tender document for all the components. (The schedule of quantities, conditions and special conditions etc).
  - (iii) After the work is awarded, the contractor will have to enter into separate agreements for each component with the officer concerned.
  - (iv) Executive Engineer in charge of minor component shall make interim payments in respect of minor component of work. Executive Engineer Incharge of the major component shall make the payment against final bill of the composite work
  - (v) The Executive Engineer-In-charge of the major component will call tenders for the composite work. The cost of tender document and earnest money will be fixed with respect to the combined estimated cost put to tender for the composite tender. Security deposit will be worked out separately for each component corresponding to the estimated cost of the respective component of woks. The earnest money will become part of the security deposit of the major component of work.
  - (vi) On acceptance of composite tender by the competent authority, the letter of award will be issued by the Executive Engineer-In-charge of the major component on behalf of Vice Chancellor, IGNOU, making it clear in the letter of award that the contractor will have to execute separate agreements for different components of work with the concerned officers of the respective discipline.

EXECUTIVE ENGINEER (ELECTRICAL) Engineer-In-charge For and on behalf of Vice Chancellor, IGNOU

#### INDIRA GANDHI NATIONAL OPEN UNIVERSITY CONSTRUCTION & MAINTENANCE DIVISION MAIDAN GARHI: NEW DELHI- 110 068

#### **Item Rate Tender**

(A) Tender for the work of Annual Maintenance Contract for VRV-type Daikin make Air-Conditioning system installed at block No.-15 IGNOU Campus, Maidan Garhi, New Delhi.

(i) To be submitted by 3.00 p.m. on \_\_\_\_\_

(ii) To be opened in presence of tenderers who may be present at 3.30 p.m. \_\_\_\_\_ in the office of the Executive Engineer (E).

Issued to \_\_\_\_\_

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

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

#### TENDER

I/We have read and examined the Notice Inviting Tender schedule A, B, C, D, E & F. Specifications applicable, drawings and design, General Rules and Directions of contract, clauses of contract, special conditions, Schedule of Rate and other contents in the tender document for the work.

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

I/We agree to keep the tender open for ninety (90) days from the due date of its opening and not to make any modifications in its terms and conditions.

A sum of ₹ 27,578/- has been deposited in Pay order/Demand Draft of a scheduled bank as earnest money. If I/We fail to furnish the prescribed Performance guarantee within prescribed period, I/We agree that the said Vice Chancellor, IGNOU or his successors in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/We fail to commence work as specified, I/We agree that Vice Chancellor, IGNOU or his successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said earnest money and the performance guarantee absolutely, otherwise the said earnest money shall be retained by him towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein and to carry out such deviations as may be ordered, upto maximum of the percentage mentioned in Schedule 'F' and those in excess of that limit at the rates to be determined in accordance with the provision contained in clauses of the tender form. Further, I/We agree that in case of forfeiture of earnest money or both earnest money and Performance guarantee as aforesaid, I/We shall be debarred for participation in the re-tendering process of the work. We hereby declare that I/We hall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information derived there from to any person other than a person to whom I/We am/are authorized to communicate the same or use the information in any manner prejudicial to the satisfy of the state.

Dated: Signature and address of the contractor

Witness:

Address:

Occupation

#### ACCEPTANCE

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for and on behalf of the Vice Chancellor, IGNOU for a sum of ₹\_\_\_\_\_ (Rupees

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

(a)

(b)

(c)

For and on behalf of Vice Chancellor, IGNOU

Signature and Designation

# SCHEDULE 'F'

Reference to General conditions of the contract.

Name of work: - Annual Maintenance contract for VRV-type Daikin make Air-Conditioning system installed at block No.-15, IGNOU Campus, Maidan Garhi, New Delhi.

Estimated cost of work	₹ 13,78,890/-
Earnest Money	₹ 27,578/-
Performance Guarantee:	5% of tendered value
Security deposit	5% of tendered value
General Rules & Directions	
Officer Inviting tender Maximum percentage for quantity of items of work to be Executed beyond which rates are to be determined in Accordance with Clauses 12.2 and 12.3	Executive Engineer (E), CMD
Accordance with Clauses 12.2 and 12.5	50%
2(i) Engineer Incharge	Executive Engineer (E), CMD
2(ii) Accepting Authority	VC (IGNOU)
2(iii) Percentage on cost of material and labour to cover all overheads and profits	15%
2(iv) Standard Schedule of Rates	Market Rates
2(v) Department	CMD (IGNOU)
9(vi) Standard CPWD contract form	CPWD form 8 as Modified upto date
Clause-1	
(i) Time allowed for submission of Performance Guarantee from the date of issue of letter of acceptance	10days
<ul><li>(ii) Maximum allowable extension with late fee @ 0.1% per day of P.G. amount beyond the period provided in (i) above</li></ul>	10 days
Clause-2	
Authority for fixing compensation under clause-2	VC (IGNOU)

Clause-2 A	Whether clause 2-A shall be appli	NO		
Clause 5				
Number of day For reckoning	ys from the date of issue of letter of date of start	f acceptance	10 days	
Mile stone (s)	as per table given below:			
	Table o	f Mile Stone(s)		
S.N.	Description of Milestone (Physical)	Time allowed in days (from dt of start)	Amount to be withheld in case of non-achievement of milestone	
1.	NA	NA	NA	
2.	NA	NA	NA	
3.	NA	NA	NA	
Time allowed C <b>lause 6,6A</b>	for execution of work		One Year	
Clause applica	ble (6 or 6-A)		6	
Clause-7				
of advances fo	be done together with net payment r material collected, if any, since th for being eligible to interim payme	ne last	NA	
Clause-10A				
	equipments to be provided by the c	contractor at site lab		
List of testing	equipments to be provided by the e			
-	_NA		NA	

# Clause-10B

Clause-2 A

Whether clause 10-B (ii) shall be applicable

No

#### Cause-10 CA

	Material covered under this clause	Nearest material for which All India
		wholesale price index is to be followed
1	NA	NA
2.	NA	NA
3.	NA	NA

## Clause-10CC

	C to be applicable in contract with stipulated mpletion exceeding the period shown in	NA
Clause-11		
Specification	n to be followed for execution of work	As Per CPWD Specifications for electrical part I&II amended up to date & special Conditions of tender
Clause-12		
12.2 & 12.3	<ul> <li>Deviation limit beyond which clauses 12.2 &amp;</li> <li>12.3 shall apply for building work</li> </ul>	30%
12.5	Deviation limit beyond which clauses 12.2 & 12.3 shall apply for foundation work.	N.A
Clause-16		
Competent a	uthority for deciding reduce rates	VC (IGNOU)

#### Clause-18

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

·	As per site requ	urement
1	2	
4	5	6

#### Clause- 36 (i)

Requirement of Technical Representative(s) and recovery rates

	Minimum Qualification of		Description (Principal Technical/			Rate of rec shall be ma the contrac event of no provisions 36(i)	de from tor in the t fulfilling
S.	Technical		Technical	Minimum			
Ν	Representative	Discipline	<b>Representative</b> )	Experience	Number	Figure	Words
1.	NA	NA	NA	NA	NA	NA	NA

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

#### Clause-42

Whether clause 42 shall be applicable

# **Notice Inviting Tender**

Name of Work	: Annual Maintenance Contract for VRV-type Daikin make Air–Conditioning system installed at block No15, IGNOU Campus, Maidan Garh New Delhi.				
Estimated Cost	:	₹ 13,78,890/-			
Earnest Money	:	₹ 27,578/-			
Performance Guarantee	:	5% of tendered cost			
Security Deposit	:	5% of tendered cost			
Time Allowed	:	One Year			

Certified that this NIT contains\_\_\_\_\_ pages.

**Executive Engineer (E)** 

#### NOTE

In this Agreement wherever the word mentioned under Column 'A' appear the same may be construed to mean the word opposite to it in Column 'B' except for CPWD Contractor Labour Regulation, CPWD Safety Code, CPWD Specification and Delhi Schedule of Rates CPWD.

**'**A'

**'B'** 

Central PWD, CPWD	Indira Gandhi National Open University
President of India	Vice – Chancellor, IGNOU
Chief Engineer	Chief Project Officer, IGNOU
Superintending Engineer	Chief Project Officer, IGNOU
Divisional Officer) Engineer Incharge)	Executive Engineer (E), CMD, IGNOU
Sub-Divisional Officer	Assistant Executive Engineer (E), CMD, IGNOU

## INDIRA GANDHI NATIONAL OPEN UNIVERSITY CONSTRUCTION & MAINTENANCE DIVISION MAIDAN GARHI, NEW DELHI NOTICE INVITING TENDER (Limited Tender Enquiry)

No. IG/CMD/EE(E)/NIT/2014-15/ Dated: 20.02.2015

The Executive Engineer (E) Construction Maintenance Division invites on behalf of Vice-Chancellor, Indira Gandhi National Open University, sealed item rate Tender from the equipment manufacturer or their authorized agents of **"Daikin Make"** for the following work. The Tender will be sold only on production of Original authorization latter (in case of authorized agent), registration of TIN No., PAN No., Service TAX and latest paid Challen of VAT deposit.

Name of Work	Estimated	Earnest	Cost of	Last Date of	Date of	Time
	Cost (in Rs.)	Money (in Rs.)	Tender (in ₹) N/R	Receipt & sale of Tender	Opening of tender	Allowed
Annual Maintenance contract for VRV-						
type Daikin make Air- Conditioning						
system installed at block No15 IGNOU						
Campus Maidan Garhi, New Delhi.	13,78,890/-	27,578/-	500/-	02.03.2015	04.03.2015	One Year

Tender documents can be obtained from the office of the undersigned, Construction & Maintenance Division, Indira Gandhi National Open University, Maidan Garhi New Delhi-68 on any working day upto 2.30 pm on the date given above .The time for submission of Tenders are upto 3.00 pm which shall be opened on the same day at 3.30 pm on the date given.The undersigned reserves the right to accept or reject any or all tenders without assigning any reason.

Note:- The tender documents in the website are for information only. Downloaded tender documents will not be considered for bidding. The contractor shall quote their rates in the NIT issued by the department only. If rates quoted in other form will not be considered. Contractors/Agencies have to act as per above NIT.

(U. P. Sharma) Executive Engineer (E)

# Name of work:- Annual Maintenance Contract for VRV-type Daikin make Air-Conditioning system installed at block No.-15, IGNOU Campus, Maidan Garhi, New Delhi.

# A. SCOPE OF WORK & EXCLUSIONS

1. The scope of work under this contract is to maintain the installed capacity of VRV Air-Conditioning systems i/c allied items comprehensively. The agency shall be responsible to up-keep the equipments/machines in functional order in all respect & as per direction of Engineer-in-charge, as detailed in "Annexure-A".

# However the following are excluded from the scope of work:-

- (a) Replacement/modification refrigerant piping, sheet metal ducting, grills/diffusers, masonry work, and carpenter work with reference to existing air conditioning system. However, repair of leakages has to be attended by the agency.
- (b) Replacement/modifications of electrical cabling, electrical switch boards/panels as a whole.
- (c) Repair/replacement of insulation & false ceiling works.
- (d) Replacement of Evaporative filters.
- (e) Replacement of any major equipment as a whole (indoor/outdoor). However, the replacement of compressor, condenser, fan blower motor, refrigerant gas charging as & when required shall be done by the agency with in the quoted rates.
- (f) Plastic parts of the A.C. system & missing of A.C. remote by the users.

# B. SPECIAL TERMS & CONDITIONS

- 1. The work shall be carried out as per CPWD specification for electrical & Air conditioning amended up to date and conforming to statutory Act, Rules, Regulations Standards and safety Rules etc.
- 2. The Air-Conditioning equipments should always be maintained and kept in perfect working condition.
- 3. After the contract is over the air-conditioning equipments and accessories shall be jointly inspected for short comings or defects if any and shall have to be rectified by the agency at its cost. Failing which the department will carry out the work at the risk and cost of the agency.
- 4. No claim on account of wastage of labour etc. shall be entertained on this or any other account.
- 5. The agency will carry out the work as per the instructions of the engineer incharge or his representative.
- 6. The contractor shall not be allowed to change the specifications of repair/replaced components during the course of maintenance without approval of competent authority.
- 7. The contractor shall make good any damages caused to the IGNOU property during the course of execution of the work within the quoted rates.
- 8. The contractor will get the site cleared after the completion work in all respect.
- 9. Before the commencement of the work, the contractor shall have to sign the inventory of all the equipments and accessories being acceptable of physical existence and normal working of the same and all the new Components/control/accessories to be provided during the course of maintenance shall be the responsibility of the contractor within the quoted rates.
- 10. The contractor will be responsible for the safety of his staff during the performance of their works at site.

- 11. IGNOU will have the liberty to discontinue the contract at any time if the performance is found unsatisfactory in the opinion of the Engineer-in-charge or without assigning any reason.
- 12. The contractor will display the Telephone/mobile numbers and mail ID of the personnel's which shall be contacted in the event of emergency as well as routine complaints.
- 13. Free Electricity and water will be provided by IGNOU for bonafide use to carry out the work.
- 14. The contractor's staff shall have uniform dress code as directed by Engineer in charge and will display the name and designation badges during the work at site.
- 15. Comprehensive maintenance will cover the functioning of all the equipments for maintaining the required temperature year round, all type of break down and routine service of the A.C. equipments and accessories as required at site.
- 16. All the material i/c imported material to be arranged by the contractor, no custom duty exemption certificate will be provided for the import of any material by the department. Contractor has to get the same within the quoted rates.
- 17. Replacement of equipment/components is to be done with the same make as installed or equipment with the prior approval of Engineer-in-charge. No other makes will be accepted.
- 18. The rates quoted by the agency shall be inclusive of all taxes & duties. Service tax component is not payable to the contractor.
- 19. The rates should be i/c of all the freight transportation insurance supervision charges etc.
- 20. Nothing extra will be paid on account of minor changes, if so required at site by the Engineer-incharge for the smooth running of the system.
- 21. No Sub-standard work will be accepted in any case and no payment will be made for the sub standard work.
- 22. The watch and ward of installation and accessories shall be the responsibility of the contractor till these are handed over back to the department.
- 23. The agency is advised to visit the site of work to acquaint it self with the type and details of work.
- 24. No execution under clause 10c and 10cc shall be payable.
- 25. No advance payment shall be made.
- 26. The quantities shown in the schedule are tentative subject to variation. However, the payment shall be made as per the actual work done at site.

(U.P.SHARMA) Executive Engineer (E)

"Annexure-A"

- 1. All in Comprehensive maintenance of VRV, Daikin Air-Conditioning units with allied items as per the requirement and to obtain the desired required temperature.
- 2. Checking & replacement of electrical accessories and cleaning of all related electrical panel boards pertaining to Air-Conditioning system.
- 3. Checking, cleaning & replacement of all part/components if found defective.
- 4. The jobs includes routine checkup of equipment and attending to its preventive as well as breakdown maintenance.
- 5. Procurement of Refrigerant and Spares of any kind shall be the responsibility of the contractor and no T & P shall be issued by the IGNOU.
- 6. Painting (spray/brush) of all equipments, pipes, installed for the A.C. system complete as required as per the direction of Engineer-in-charge by using ISI mark synthetic enamel paint yearly or as and when directed by engineer in charge.
- 7. The A.C. system will be handed over to the contractor in perfectly working condition at the time of start of the contract and the same should be handed over in perfectly working condition to the department after the expiry of the contract.
- 8. Since the services are specialized and the contractor will cause deploying the, skilled/duly trained/qualified employees who can maintain comprehensively. In case any un-skilled found the contractor shall either replace or contract deemed as cancelled.
- 9. The Engineer shall visit air-conditioning equipments installed at site system once release the payment quarterly and submit status report of healthier & satisfactory working of the system.
- 10. Any complaint/breakdown of minor nature shall have to be attended within 24 hours and major breakdown i.e replacement of compressor, pumps and motor within 05 days otherwise a penalty of Rs. 1000/- per day shall be imposed on the contractor for major and Rs. 250/- per day for minor repairs and recovery will be made from the contractor bill subject to maximum for 10 days and work shall be carried out at the risk and cost of the contractor.
- 11. The agency shall provide contact numbers & e-mail ID to register the complaints during AMC period.
- 12. Checking and rectification of electrical panel, and faultfinding.
- 13. To check and replace/repair the safety devices like fire damper and all safety measures.
- 14. The contractor shall not be allowed to change the specification of repaired/replaced material during the course of maintenance with out the approval of Engineer in charge.

- 15. After the contract is over, the installation shall be jointly inspected and if any shortcomings or defaults pointed out shall have to be attended by the firm before handing over the installation other wise work shall be carried out at the risk and cost of the contractor.
- 16. The coil cleaning shall be carried out yearly with Poly treat/C-shine make chemical or as per approved brand of the manufacturer & as and when required as per manufacturer maintenance manual to maintain the inside temperature with high pressure pump.
- 17. The cleaning of Grills/Diffusers/Dampers is inclusive in the scope of work.
- 18. The agency shall responsible for air-distribution system if any required for proper air circulation in the rooms/areas.

(U.P.SHARMA) Executive Engineer (E)

#### **SCHEDULE OF QUANTITY**

# Estimated Cost: 13,78,890/-Earnest Money Deposit: 27,578/- (Demand Draft/Pay order only in favour of IGNOU) Issued to:-Time Allowed: One Year Date of opening:

Name of work: Annual Maintenance Contract for VRV-type Daikin make Air-Conditioning System installed at block No.-15 IGNOU Campus, Maidan Garhi, New Delhi.

S.no	Description	Qty.	Unit	Rate	Amount
	SUB-HEAD-I (Operational Staff)				
1.	<ul> <li>Comprehensive annual maintenance contract for the following Air-Conditioning equipments installed at block No15 as per scope of work &amp; terms &amp; conditions.</li> <li>(a) Model A-20 HP each, (9units) i.e 148.5 Ton Capacity.</li> <li>(b) Model A-40 HP each, (6units) i.e 198 Ton Capacity.</li> <li>Total capacity (a+b) being (148.5+198)=346.5Ton</li> </ul>	346.5Ton	Per Ton/ Per Annum		

(U.P.SHARMA) Executive Engineer (E)