

# ***Agricultural Produce Marketing Committee***

Market of National Importance

(Govt. of NCT. of Delhi)

Office Complex, MNI Azadpur, NFM Ph-I I , Sarai Pipal Thalla, Azadpur, Delhi-110033

Phone No. 27401086-88, 27401009. Fax No.27691668

**N.O.W. :- Comprehensive AMC and operation of Central chiller plants /Air conditioning system for Office Building at NFM Ph. II Azadpur.**

## ***ITEM RATE TENDER AND CONTRACT FOR WORK***

### **INDEX**

S. No.	Description	Page No.
1.	Press Notification	2
2.	Notice Inviting Tender ( PWD – 6 )	3
3.	Tenders form CPWD-8	6
4.	Correction Slip & Fair wages schedule	13
5.	Special Terms & Conditions	14
6.	Scope of work	16
4.	Schedule of Quantities	18

This NIT contains 18 pages marked as Sl. No. 1 to 18

Executive Engineer(E)  
APMC Azadpur.

**AGRICULTURAL PRODUCE MARKETING COMMITTEE**  
**(Market Of National Importance)**  
**New Office Complex, NFM- Ph.-II, Sarai Pipal Thalla, Azadpur, Delhi-33.**

**NOTICE OF E-TENDERING**

Item rate e-tenders are invited for the under mentioned work on behalf of Secretary, Agricultural Produce Marketing Committee, Azadpur and opened online in the office of Secretary, APMC, Azadpur.

**Name of Work: Comprehensive AMC and operation of Central chiller plants /  
Air conditioning system for Office Building at NFM Ph. II Azadpur.**

**Estimated Cost : Rs. 10,50,507=00**

**Earnest Money: Rs. 21, 010=00**

**Date of release of tender through e-procurement solution:**

**Last Date/Time for receipt of tenders through  
e-procurement solution: 16.05.18 up to 14.30 hrs.**

Tender ID No. :

**Further details can be seen at website <https://govtprocurement.delhi.gov.in>**

Executive Engineer (E)  
,APMC, AZADPUR

## NOTICE INVITING TENDER

Sealed item rate e-tenders are invited for the under mentioned work on behalf of Secretary, Agricultural Produce Marketing Committee, Azadpur on dates indicated below from the eligible contractors of CPWD, MES, DDA, NDMC, P&T, DJB, I&FCD, Railway and Specialized firms who have adequate past experience of the works for similar nature (AC works) and completed successfully at least three works of similar nature and magnitude equivalent to the 40% of the estimated cost or two works of 60% of estimated cost or one work of 80% of estimated cost as during the last seven years in central Govt. / State Govt. / Central Govt. autonomous bodies. The tenders will be opened in the office of the Secretary, APMC, New Office Complex, NFM- Ph.-II, Sarai Pipal Thalla, Azadpur, Delhi-33, in the presence of tenderers or their authorized representatives who may like to attend.

**Name of Work: “Comprehensive AMC and operation of Central chiller plants /Air conditioning system for Office Building at NFM Ph. II Azadpur.**

Estimated Cost: **Rs. 10,50,507=00**

Earnest Money: **Rs. 21, 010=00**

**1. List of Documents to be scanned and uploaded within the period of bid submission:-**

- (i) Scanned copy of Earnest Money. However, Earnest Money in original is to be submitted in the office of Secretary, APMC, Azadpur as mentioned in the Para vi as below.
  - (ii) Scanned copy of GST Registration Certificate .
  - (iii) Scanned copy of **PAN Number** as issued by Income Tax department
  - (iv) Scanned copy of **experience certificates** as stated above issued by the concern department.
  - (v) Original mode of Earnest Money Deposit (EMD) of **Rs. 21, 010/-** (Rupees Twenty one Thousand ten only) in favour of APMC, Azadpur as stated above shall have to be submitted in the office of Secretary, APMC, New Office Complex, NFM- Ph.-II, Sarai Pipal Thalla, Azadpur, Delhi-33 in sealed envelope with name of work written on the envelope up to **14.30 Hrs on dated 16.05.18** . Failure to furnish the original mode of earnest money on the due date and time will entail rejection of bid.
2. The tenders can be uploaded on website up to **14.30 hours on 16.05.18** .
  3. The bidder shall sign on all the statements, documents, certificates uploaded by him owning responsibility for their correctness/authenticity.
  4. The Technical Bids will be opened online on **16.05.18 at 15.00 hours** for scrutiny by the Executive Engineer(E), APMC, New Office Complex, NFM- Ph.-II, Sarai Pipal Thalla, Azadpur, Delhi-33. The technical bids will be evaluated against the specified parameters/ criteria and the result of technical evaluation will be displayed on the website <https://govtprocurement.delhi.gov.in> which can be seen by all the bidders who participated in the Tenders.
  5. The Financial Bids shall be opened later on, only for those tenderers who fulfill the eligibility criteria and the required documents found in order under Technical bid, otherwise the Financial bid shall not be opened. If any of the above dates happens to be holiday, the next working day will be considered for all purposes. Conditional tender shall not be considered.
  6. Agreement shall be drawn with the successful tenderer on prescribed Form No. CPWD 8, which is available as a Govt. of India Publication. Tenderer shall quote his rates as per various terms and conditions of the said form, which will form part of the agreement.
  7. The time allowed for carrying out the work will be **12 Months** from the date of start as defined in schedule ‘F’ or from the first date of handing over of the site, whichever is later,

in accordance with the phasing, if any, indicated in the tender documents.

8. The site for the work is available or the site for the work shall be made available in parts .
9. Tender documents consisting of plans, specifications, the schedule of quantities of the various classes of work to be done and the set of terms & conditions of contract to be complied with by the contractor whose tender may be accepted and other necessary documents can be seen in the office of the Executive Engineer, (E) APMC, Azadpur, between hours of 11.00 AM & 04.00 PM every day except on Sundays and Public holidays. Tender documents, excluding standard form, can be downloaded from the website <https://govtprocurement.delhi.gov.in> free of cost and shall be uploaded on website alongwith the following: -
10. Tenders will be received through e-tendering only.
11. APMC reserves the right to reject any or all tenders without assigning any reason.
12. 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 Rs. 10,000/-) or Deposit at call receipt of any scheduled bank/ Bankers's Cheque of any scheduled bank/ Demand draft of any scheduled bank/Pay order of any scheduled bank or Fixed Deposit Receipts or Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F' including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor.
13. The competent authority does not bind himself to accept the lowest or any other tender and reserves to himself the authority to reject any or all the tenders received without the assignment of any reason. All tenders in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the tenderer shall be summarily rejected.
14. Canvassing whether directly or indirectly, in connection with tenders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection.
15. The competent authority reserves to himself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rate quoted.
16. The contractor shall not be permitted to tender for works in the DAMB/APMC (responsible for award and execution of contracts) in which his near relative is posted as JAO/AAO/Account officer or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazetted officer in the DAMB or in the APMC . Any breach of this condition by the contractor would result in rejection of the tender submitted by him.
17. No Engineer of gazetted rank or other Gazetted officer employed in Engineering or Administrative duties in an Engineering Department of the Government of Delhi/India is allowed to work as a contractor for a period of two years after his retirement from Government service, without the previous permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the tender or engagement in the contractor's service.
18. The tender for the works shall remain open for acceptance for a period of 90 (Ninety) days from the date of opening of tenders. If any tenderer 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 department, then the APMC shall, without prejudice to any other right or remedy, be at liberty to forfeit entire the said earnest money as absolutely.

- 19.** This Notice Inviting Tender shall form a part of the contract document. The successful tenderer/contractor, on acceptance of his tender by the Accepting Authority, shall, within 15 days from the stipulated date of start of the work sign the contract consisting of: -
- a) The notice inviting tender, all the documents including additional conditions, specifications and drawings, if any, forming the tender as issued at the time of invitation of tender and acceptance thereof together with any correspondence leading thereto.
  - b) Standard. C.P.W.D. Form 8 - Corrected / modified upto date.

Signature of Executive Engineer(E)

APMC, Azadpur\* .....

For & on behalf of Secretary APMC,Azadpur \* To be filled by Executive Engineer

# ***Agricultural Produce Marketing Committee***

Market of National Importance

(Govt. of NCT. of Delhi)

Office Complex, MNI Azadpur, NFM Ph-II, Sarai Pipal Thalla, Azadpur, Delhi-110033

Phone No. 27401086-88, 27401009. Fax No.27691668

## **ITEM RATE TENDER & CONTRACT FOR WORKS**

Tender for the work of **“Comprehensive AMC and operation of Central chiller plants /Air conditioning system for Office Building at NFM Ph. II Azadpur.**

- (i) To be submitted by 1430 hours on **16.05.18**  
To be opened Technical bids in presence of tenderers who may be present at 1530 hours on **16.05.18**  
in  
the office of Executive Engineer (E) APMC, Azadpur.

Issued to: - .....\*\*(Contractor)

Signature of officer issuing the documents .....\*\*

Designation: - **Executive Engineer (E)**

Date of Issue: - .....\*\*

...\*\* to be filled by EE

### **TENDER**

I/We have read and examined the notice inviting tender, schedule A, B,C,D,E & F, applicable specifications, Drawings & Designs, General Rules and Directions, Conditions of Contract, Clauses of Contract, Special Conditions, Schedule of Rate & other documents and Rules referred to in the condition of contract and all other contents in the tender document for the work.

I/We hereby tender for the execution of the work specified for the President of India within the time specified in Schedule "F", viz., schedule of quantities and in accordance in all respects with the specifications, design, drawings and instructions in writing referred to in Rule-1 of General Rules and Directions and in Clause-11 of the Conditions of contract and with such materials as are provided for, by, and in respects in accordance with, such conditions so far as applicable.

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

**A sum of Rs. 21, 010** /-(Rupees Twenty one Thousand ten only) has been deposited in Receipt Treasury Challan/Deposit at call Receipt of a Scheduled Bank/fixed deposit receipt of scheduled bank/demand draft of a scheduled bank as earnest money. If I/ We fail to furnish the prescribed performance guarantee within prescribed period, I/We agree that the said President of India or his successors in office shall, without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/We fail to commence the work as specified, I/We agree that President of India or his successors in office shall, without prejudice to any other right or remedy available in law, be at liberty to forfeit the said earnest money and the performance guarantee absolutely, otherwise the said earnest money shall be retained by him

towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein and to carry out such deviations, as may be ordered, up to maximum of the percentage mentioned in Schedule "F" and those in excess of that limit at the rates to be determined in accordance with the provision contained in clause 12.2 and 12.3 of the tender form.

Further, I/We agree that in case of forfeiture of Earnest Money or both Earnest Money and performance guarantee as aforesaid, I / We shall be debarred for participation in the re-tendering process of the work.

**I/We undertake and confirm that eligible similar work(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/we shall be debarred for tendering in DAMB/APMC in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee.**

I/We hereby declare that I/We shall treat the tender documents, drawings and other records connected with the work as secret / confidential documents and shall not communicate information / derived there from to any person other than a person to whom I/We am / are authorised to communicate the same or use the information in any manner prejudicial to the safety of the State.

Dated .....

Signature of Contractor \*  
Postal Address \*.....

Witness: .....  
Address: .....  
Occupation:.....

...\* to be filled by the Contractor

**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 President of India for a sum of Rs.....\*\* (Rupees.....\*\*).

The letter referred to below shall form part of this agreement: -

- a) }
  - b) }
  - c) }
- .....\*\*

For & on behalf of the Secretary, APMC, Azadpur, Delhi

Signature.....\*\*  
Designation: - EXECUTIVE ENGINEER (E)

Dated.....\*\*

.....\*\* to be filled by EE



## SCHEDULES

### SCHEDULE 'A'

Schedule of Quantities: - Attached at page to

### SCHEDULE 'B'

Schedule of materials to be issued to the contractor:

Sl. No.	Description of Item	Quantity	Rates in figures & words at which the material will be charged to the contractor	Place of Issue
1	2	3	4	5
-----NIL-----				

### SCHEDULE 'C'

Tools and Plants to be hired to the contractor

Sl. No.	Description	Hire charges per day	Place of issue
1	2	3	4
-----NIL-----			

### SCHEDULE 'D'

Extra schedule for specific requirements / documents for the work, if any. ---Nil---

### SCHEDULE 'E'

Schedule of component of Cement, Steel, Other Materials, Labour etc. for Price escalation.

### CLAUSE 10 CC

---Not applicable

### SCHEDULE 'F'

Reference to General conditions of contract: -

{ }

Name of Work: - **Comprehensive AMC and operation of Central chiller plants /Air conditioning system for Office Building at NFM Ph. II Azadpur.**

1. Estimate cost of Work : - **Rs. 10,50,507=00**

(i) Earnest Money : - **Rs. 21, 010=00**

**(ii) Performance Guarantee** : - *5% of the tendered value of work.*

**(iii) Security Deposit** : - *5% of the tendered value of work.*

**GENERAL RULES**

**AND DIRECTIONS** : Officer Inviting Tender Executive Engineer (E)

Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clauses 12.2 & 12.3.

**Definitions:**

2(i) Engineer-in-Charge Executive Engineer (E)

2(vii) Accepting Authority **Secretary, APMC, Azadpur**

2(x) Percentage on cost of materials and labour to cover all overheads and Profits. **15%**

2(xi) Standard Schedule of Rates **DSR-2014 and Market Rates**

2(xii) Department **APMC, Azadpur**

9(ii) Standard CPWD Contract Form **CPWD form 8 – 2014, as modified and Corrected upto date.**

**Clause 1**

Time allowed for submission of Performance Guarantee from the date of issue of letter of acceptance. **15 days**

Maximum allowable extension with late fee @ 0.1% per day of Performance Guarantee amount beyond the period provided in (i) above. **7 days**

**Clause 2**

Authority for fixing compensation under **Secretary, APMC, Azadpur**

**Clause 5**

i) Time allowed for execution of work : } **Twelve Months**

ii) Authority to give fair and reasonable extension of time for completion of work. : - **Secretary, APMC, Azadpur**

**Clause 7**

Gross work to be done together with net payment/adjustment of advances

for material collected, if any, since the last such payment for being eligible to interim payment.

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**Clause 11**

Specifications to be followed for Execution of work.

As per CPWD Specifications as amended upto date correction and as preterm conditions attached.

**Clause 12**

12.1.2(iii) Schedule of rates for determining rates for additional, altered or substituted items that cannot be determined under 12.1.2(i) & (ii)	Deleted
12.1.2 (iii) Plus/minus the % over the rate entered in the schedule of rates	Deleted
12.12 (vi) Deviation limit beyond which sub-clauses (i) to (ii) shall not apply and Clause 12.2 & 12.3 shall apply.	Deleted
12.1 (vi) Limit for value of any item of any individual trade beyond which sub-clauses (i) to (v) shall not apply and clauses 12.2 & 12.3 shall apply for foundation work.	Deleted
Clause 12.2 & 12.3 Nil	Deviation limit beyond which clause 12.2 & 12.3 shall apply for building work.....
Clause 12.5 Nil	Deviation limit beyond which clause 12.2 & 12.3 shall apply for foundation work.....

**Clause 16**

Competent Authority for deciding reduced rates.

**Executive Engineer(E)**

**Clause 36**

(i) Minimum qualifications & Experience required for Principal Technical Representatives.

(a) For works with estimate cost put to tender more than  
 i) Rs.10 lakhs for civil work  
 ii) Rs.5 lakhs for elec/mach works

Graduate or retired AE possessing at least recognised diploma

(b) For works with estimated cost put to tender  
 i) More than Rs.5 lakhs but less than Rs.10 lakhs for civil works  
 ii) More than Rs.1 lakhs but less than Rs.5 lakhs for Elect/Mech works

Recognised Diploma holder

Recognised Diploma holder

(ii) Discipline to which the Principal Technical Representative should belong.

**Elect.**

(iii) Minimum experience of works.

**Five Years**

(iv) Recovery to be affected from the Contractor in the event of not fulfilling provision of clause 36 (i)

**Rs.20,000/-per month for graduate.  
Rs.10,000/- per month for diploma holder.**

**Signature of Contractor**

### **CORRECTION SLIP**

- i) Wherever, there is a reference of CPWD officers it shall construed to mean officers and other staff of Agricultural Produce Marketing Committee as applicable therein.
- ii) The reference of government in the tender form shall constructed to means Agricultural Produce Marketing Committee in connection with payments or other contractual implications. For all acts and regulations the reference of Govt. and the orders of government shall be followed.
- iii) For corrections in PWD Form No.8 kindly refer English version only.
- iv) The contractor shall obtain a valid license of the enrolment in Delhi Labour Welfare Board regarding contribution/statutory Deposit under the Bombay Labour Welfare Fund Act, 1953 as extended to NCT of Delhi. Contractor shall deposit all the statutory dues with the Delhi Labour Welfare Board directly.
- v) In addition to Clearance Certificate from Labour Officer as per clause-45 of the General conditions of the Contract. The contractor has to produce a clearance certificate from "Welfare Commissioner. Delhi Labour Welfare Board for getting the Security Deposit of the work refunded.

### **FAIR WAGES SCHEDULE**

The latest minimum fair wages schedule as in force in Delhi Admn. At the time of opening of tender shall be applicable.

Executive Engineer(E)  
Agricultural Produce Marketing Committee

## SPECIAL TERMS & CONDITIONS

1. The rates quoted should be inclusive of Sales Tax, Octroi Royalties, Cess, Taxes and other levies and duties on the price of the materials and nothing extra on this amount shall be payable by the department.
2. The firm can survey the site before quoting their rates to avoid any misunderstanding.
3. **All the firms are advised to inspect the AC plant personally and** before quoting his rates, Firms may ensure that **AC plant** has been checked **thoroughly** . It may be noted that **at the time of take over the plant, if any minor repair is required, the firm shall complete the work and take over the plant for further comprehensive AMC. If major repair is required, firm shall be informed to deptt in advance at the time of tendering.**
4. The contractor shall take over the AC. plant in all respects complete from the deptt./working contractor and will be responsible for their safety/maintenance for a year.
5. The firms shall not by-pass any safety device to run the plant if the faulty parts will not repair within 24 hours the Engineer In-charge shall be empowered to penalize the firm i.e. 1% of the awarded value per day of suitable amount. In any case if the firm do not rectify the problems of the system within 36 hours the Engineer In charge will carry out the work from other source on the risk and cost of the firm. No letter correspondence and no show cause notice process shall be followed because of importance and urgency of work.
6. The firm shall be responsible for de-scaling of the system once in a year also flush – out water from pipe lines once in six months.
7. The firm shall be responsible for gas-charging whenever required and in no case they will run the plant with adjustment of pressure switches. The firm shall also be responsible to replace compressor oil on each running interval.
8. The payment shall be made quarterly or half yearly basis after successful completion of work and no advance payment shall be made by the deptt.
9. The contract period can be extended mutually for another two years after the empowered officer has recorded personal quality satisfaction certificate.
10. Department reserves the right to cancel the AMC at any time without assigning any reason.
11. In case of any dispute, the decision of Secretary, APMC will be final and the contractor can't move to any Arbitration/Court.
12. All complaints shall be attended promptly and any delay shall be viewed as lapse on the part of the contractor.
13. Loss of life/damages/accidents etc at site . shall be the sole responsibility of the contractor and no compensation shall be payable by the department.
14. During the Operation period, if at any stage work is found unsatisfactory, the contract can be terminated after giving one month notice of the intention to do so by the APMC.
15. In the event of any complaint about non-performance or not rendering service properly, an amount of 1% per day maximum 10 % of the contract shall be deducted by the APMC from quarterly payment.
16. No additional payment will be made for transportation of equipment from the MNI Azadpur to parties work shop or delivery of the materials to the MNI Azadpur at any point of time.
17. The works of urgent nature should be attended immediately whether it is office hours or holidays for which no additional charge will be payable. If the party fails to maintain or to carry out the repairs of any defect to the satisfaction of the office, then the MNI Azadpur in order to keep the A/C plants running will undertake the works of getting it done through outside agency and cost incurred thereby will be deducted from the firm's bills.

18. All compressors should be maintained in optimum condition. The compressors will be checked for proper functioning and defective spares will be replaced if necessary.
19. The party must ensure availability of the spares in their stock to handle any break-down without delay.
20. On the completion of contract period, contractor shall hand-over the site and Air-Conditioning Plant with complete accessories in perfect running condition as per taken-over by the concern AE (E), failing which the APMC shall take-over from the site and recover damage to equipment or otherwise from the pending bill of the contractor.

**Executive Engineer (E)**

## Scope of work

1. The Comprehensive annual maintenance contract included the cost of repair replacement of any major /minor parts in 3 Nos. 90 Tons Chillier Plants including 8 Nos. of centrifugal pumps sets for water circulation, 3 Nos. evaporators, all sluice valves, butter fly valves, air valves, pressure gauge, float switch and all electrical controls, cables of the same make which are existing in the premises. Nothing extra shall be paid in any shape to the firm for any repairing in the system.
2. The firm shall also be responsible for comprehensive maintenance of 7 Nos. Air handling units which are on each floor of the Office Complex, 10 No Split ACs of 1.50/2.00 T, 2 No FCUs, 5 Nos Air Washers, also the firms shall responsible to repair and replace all water pipe-lines of all size whenever required to change. The firm water pipe-lines of all size whenever required to change. The firm shall also change glasswool if required. The firm shall also paint the expose surface of all water lines including valves once in a year to protect them for rust. The firm shall maintain and repair all the duct line of same gauge which are in the premises including louvers at each places in the Office Complex.
3. The following works shall be done in the operation of A.C. plant;-

### **IN AC PLANT ROOM**

- Switching On and Switching OFF the plant.
- Monitoring plant operating parameters regularly. (Standard practice in every-time)
- Monitoring water levels in cooling towers.
- Recording key operating parameter of the plant every hour the compressor pressure, oil pressure, current etc.
- Taking immediate corrective action in case of an electrical trouble in plant.

### **IN AIR CONDITION BUILDING**

- Cleaning of Air Handling Units filters on regular intervals.
- Cleaning of Air Handling Units.
- Cleaning of Fan Coil Units.
- Cleaning of Fan Coil Units Filters.
- Monitoring water pressure in A.H.U's.
- Monitoring temperature in A.H.U

4. The following **PREVENTIVE MAINTENANCE** shall be done in Comprehensive annual maintenance contract of A.C. plant.

### **Monthly:**

1. Routine inspection and maintenance works for all the 3 plants to be done in any one of working day.
2. All safety and indicating devices to be checked up.
3. Current & Voltage measurements for all the plants in full load.
4. Routine inspection and maintenance of all electric items like Switches/Cables etc.
5. Cleaning of all the AHUs.
6. Cleaning of air filters and replacement whenever required.
7. Inspection of belts and adjustments/replacements if required.
8. Checking of AHU fan motor, Impeller, Impeller housing, Shaft, bearing and replacement if required.
9. Recording various readings and calculating tonnage of plants, calculating the cooling tower efficiency.
10. Cleaning the cooling towers.



11. Check up for possible leakages in the refrigeration system.
12. Checking of electrical panels.
13. Checking of cooling tower nozzles, Sprinklers, cooling tower motor/ fans and servicing/replacement if required.

**Quarterly:**

1. Cleaning of ALU cooling coils.
2. Lubrication of bearings of motors and other machinery.
3. Tightening of V-Belts.
4. Cleaning of Pot Strainers in water circuit.
5. Checking of safety control and switches/ replacement if required.
6. Calibration of meters and gauges/ replacement if required.
7. De-scaling of condensers.
8. Cleaning of contact switches, checking of relays, timer etc. replacement if required.
9. Cleaning of AHU outlet like diffusers, grills etc.

**Annually:**

1. Overall maintenance of all the plants and electrical systems.
2. Cleaning of micro Vee filters.
3. Cleaning of Cooling coils.

**Executive Engineer (E)**

## AGRICULTURAL PRODUCE MARKETING COMMITTEE

### Schedule of Quantities

**N. O. W.:** Comprehensive AMC and operation of Central chiller plants /Air conditioning system for Office Building at NFM Ph. II Azadpur.

S.No	Description of Item	QTY	UNIT	RATE	AMOUNT
1	Comprehensive AMC of central Air Conditioning plant Blue Star 90 TRX3 for office building i/c repair, replacement of parts of water chiller machine, cooling towers, chilling water pumps, AHUs, Air distribution system i/c pipe ducts, dumpers, valves, gauges in all system in building as well as service block. All major / miner parts shall be provided by the firm in genuine make / ISI mark. The items are as under:- (i) Water chiller plants 90 tons 03 Nos. (ii) Cooling Towers 02 Nos. (iii) AHUs 07 Nos. (iv) Chilling Water Pumps 04 Nos. (v) Condensing Water Pumps 04 Nos. (vi) All control panels for chiller plant system 01 Job. (vii) All Air ducts with all accessories 01 Job. (viii) FCUs 02 Nos. (ix) Submersible Pump 2 HP 01 No.	12	Month		
2	Providing skilled staff (Operator &Helper) for operation of chiller plant, cooling towers AHUs and pumps for office building .	09	Month		

Executive Engineer (E)

Assistant Engineer (E)

I/we have read the conditions of contract carefully and am/are ready to carry out the same job at the rate mentioned against each item of the above mentioned schedule.

(Signature of Contractor with Seal)