

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

**Name of Work: Renovation of Office Building, Check Post, Security Office, Site Office at  
Fruit & Vegetable Market, Okhla**

**ITEM RATE TENDER AND CONTRACT FOR WORKS**  
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**Executive Engineer,  
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 works on behalf of Secretary, Agricultural Produce Marketing Committee, Azadpur and opened online in the office of Secretary, APMC, Azadpur.

S.No.	Tender ID	Name of Work	Estimated Cost/ Earnest money (In Rupees)	Last Date/ Time of Receipt of Tenders
1		<b>Renovation of Office Building, Check Post, Security Office, Site Office at Fruit &amp; Vegetable Market, Okhla</b>	<u>Rs. 17,63,598/-</u> Rs. 35300/-	16/07/2018 upto 1300Hrs.
2				

Date of release of tender through e-procurement solution: 26/06/2018

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

**Executive Engineer,  
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 from the approved & eligible contractors of CPWD, MES, MCD, DDA, NDMC, P&T, Railways, DJB and Irrigation & Flood Control who have adequate past experience of the works for similar nature and completed successfully atleast three works of similar nature and magnitude equivalent to the 40% of the estimated cost or two works of 50% of estimated cost or one work of 80% of estimated cost as during the last seven years. 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: “Renovation of Office Building, Check Post, Security Office, Site Office at Fruit & Vegetable Market, Okhla**

Estimated Cost : **Rs. 17,63,598/-**

**Earnest Money: Rs. 35300/-**

- 1.2 1. The tenderer shall also submit the following documents:
  - (i) Scanned copy of **Earnest Money**. However, Earnest Money in original is to be submitted in the office of **Secretary, APMC, New Office Complex, NFM- Ph.-II, Sarai Pipal Thalla, Azadpur, Delhi-33** as mentioned in the Para 5 below.
  - (ii) Scanned copy of **GST Number**.
  - (iii) Scanned copy of **PAN Number** as issued by Income Tax department
  - (iv) Scanned copy of Valid **Registration Certificate** of appropriate category.
  - (v) Scanned copy of experience certificates issued by the concern department.
  - (vi) Original mode of Earnest Money and attested copies of Certificate/documents as stated above shall have to be submitted to the Secretary, APMC, Azadpur in sealed envelope with name of work written on the envelope up to 14.30Hrs on dated 16/07/2018. **Failure to furnish the original mode of earnest money and all relevant documents on the due date and time will entail rejection of bid.**
2. Online Tender Bid shall consist of tender form and Schedule of Quantity.
3. The tenders can be uploaded on website **upto 14.30 hours on 16/07/2018**
- 3 (i) The **Technical Bids** will be opened online on **16/07/2018** at **15.00 hours** for scrutiny by the Executive Engineer, 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.
- 3 (ii) The **Financial Bids** shall be opened after opening of the Technical Bid 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..
4. Tender shall be valid for 90 days form the date of opening of Financial bid. APMC reserves the right to reject any or all tenders without assigning any reason.

2. Agreement shall be drawn with the successful tenderer on prescribed Form No. CPWD 8, which is available as a Govt. of India Publication. Tenderer shall quote his rates as per various terms and conditions of the said form, which will form part of the agreement.
3. The time allowed for carrying out the work will be **3 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.
4. The site for the work is available or the site for the work shall be made available in parts as specified below.
5. 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, APMC, Azadpur**, between hours of **11.00 AM & 04.00 PM** everyday 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: -

Earnest money **Rs. 35300/-** in the form of fixed deposit / Pay order/demand draft of a scheduled bank issued in favour of , **APMC, Azadpur**. Xerox copy of the above is to be scanned and uploaded along with the tender and the original fixed deposit / Pay order/demand draft of a scheduled bank shall be deposited in sealed envelope with name of work and due date written on the envelope, in the office of Secretary, APMC, New Office Complex, NFM- Ph.-II, Sarai Pipal Thalla, Azadpur, Delhi-33. Failure to furnish the fixed deposit / Pay order/demand draft of a scheduled bank will entail rejection of bid.

6. Tenders will be received through e-tendering only.
7. 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.
8. Copies of other drawings and documents pertaining to the works will be open for inspection by the tenderers at the office of the above-mentioned officer.  
Tenderers are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. A tenderer shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charges consequent on any misunderstanding or otherwise shall be allowed. The tenderer shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a tender by a tenderer implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and local conditions and other factors having a bearing on the execution of the work.
9. 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.

10. Canvassing whether directly or indirectly, in connection with tenders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection.
11. The competent authority reserves to himself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rate quoted.
12. The contractor shall not be permitted to tender for works in the CPWD / PWD Circle (responsible for award and execution of contracts) in which his near relative is posted as Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazetted officer in the Public Works Department or in the Ministry of Urban Development. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.
13. No Engineer of gazetted rank or other Gazetted officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of two years after his retirement from Government service, without the previous permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the tender or engagement in the contractors service.
14. The tender for the works shall remain open for acceptance for a period of 90 (ninty) days from the date of opening of tenders. If any tenderer withdraws his tender before the said period or issue of letter of acceptance, which ever is earlier or makes any modifications in the terms and conditions of the tender which are not acceptable to the department, then the APMC shall, without prejudice to any other right or remedy, be at liberty to forfeit entire the said earnest money as absolutely.
15. This Notice Inviting Tender shall form a part of the contract document. The successful tenderer/contractor, on acceptance of his tender by the Accepting Authority, shall, within 15 days from the stipulated date of start of the work sign the contract consisting of: -
  - a) The notice inviting tender, all the documents including additional conditions, specifications and drawings, if any, forming the tender as issued at the time of invitation of tender and acceptance thereof together with any correspondence leading thereto.
  - b) Standard. P.W.D. **Form 8** - Corrected / modified upto date.

Signature of Executive Engineer  
APMC, Azadpur

\* .....  
For & on behalf of Secretary APMC, Azadpur

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

**Item Rate Tender & Contract for Works**

Tender for the work of: **Renovation of Office Building, Check Post, Security Office, Site Office at Fruit & Vegetable Market, Okhla..**

- (i) To be uploaded on website by **13.00 hours on 16/07/2018**
- (ii) To be opened online in the office of **Secretary, APMC, New Office Complex, NFM- Ph.-II, Sarai Pipal Thalla, Azadpur, Delhi-33:**
- i. Technical Bid at 15:00 Hrs. on 16/07/2018 and financial Bid shall be opened after Technical Bid**

**TENDERER**

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

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

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

If I/we fail to furnish the prescribed performance guarantee within prescribed period, I/we agree that the said Secretary, APMC, Azadpur 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 Secretary, APMC, Azadpur 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 work referred to in the tender documents upon the terms and conditions contained or referred to therein and to vary 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 & Performance Guarantee as aforesaid, I/We shall be debarred for participation in the retendering process of the work.

I/We hereby declare that I/we shall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall not communicate 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 safety of the State.

Dated \*\*.....

Witness:\*\*

Address:\*\*

Occupation:\*\*

\*\*

Signature of Contractor  
Postal Address

**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 Secretary, APMC, Azadpur for a sum of Rs.\* \_\_\_\_\_ (Rupees\* \_\_\_\_\_)

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

- a)\* For & on behalf of the Secretary, APMC,
  - b)\* Azadpur
  - c)\* Signature \* \_\_\_\_\_
- Dated\* ..... Designation: Executive Engineer

\* To be filled by EE

\*\* To be filled by Contractor

## SCHEDULES

### SCHEDULE 'A'

Schedule of quantities (Enclosed.) **As per schedule attached.**

### SCHEDULE 'B'

Schedule of materials to be issued to the contractor.

S.No.	Description Of item	Quantity	Rates in figures & Words at which the material will be charged to the contractor	Place of Issue
1	2	3	4	5

NIL

### SCHEDULE 'C'

Tools and plants to be hired to the contractor.

S.No.	Description	Hire charges per day.	Place of Issue
1	2	3	4

NIL

### SCHEDULE 'D'

Extra schedules 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.

NIL

### SCHEDULE 'F'

Reference to General Conditions of contract.

**Renovation of Office Building, Check Post, Security Office, Site Office at Fruit & Vegetable Market, Okhla.**

Estimated cost of work. **Rs. 17,63,598/-**

- (i) Earnest Money **Rs. 35300/-**
- (ii) Performance Guarantee = 5% (five percent) of the tendered value.
- (iii) Security Deposit : 5% (five percent) of the tendered value.

#### **GENERAL RULES & DIRECTIONS:**

Officer inviting tender  
Maximum percentage for quantity

**Executive Engineer,  
APMC, Azadpur**



of items of work to be executed beyond which rates are to be determined in accordance with Clauses 12.2 & 12.3 See below.

**Definitions:**

2 (v) Engineer –in – charge	<b>The Executive Engineer, APMC,Azadpur</b>
2 (viii) Accepting Authority	<b>Secretary, APMC,Azadpur</b>
2 (x) Percentage on cost of materials and labour to cover all overheads and profits.	15%
2 (xi) Standard Schedule of Rates.	DSR 2014 with upto date correction slips.
2 (xii) Department	<b>APMC, Azadpur</b>
9 (ii) Standard PWD Form	<b>PWD form 8</b> , as modified & corrected upto date.

**Clause 1**

- i) Time allowed for submission of performance guarantee from the date of issue of letter of acceptance, in **10 days**.
- ii) Maximum available extension beyond the period as provided in (i) above, in **7 days**.

**Clause 2**

Authority for fixing  
Compensation under Clause 2. **Secretary,  
APMC,Azadpur**

**Clause 5**

Time allowed for execution of work : 3 Months

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 10 A**

Listing of testing equipment to be provided by the contractor at site lab.

..... **As per site requirement** .....

**Clause 10 B (ii)**

Whether Clause 10 B (ii) shall be applicable No

**Clause 10 CA** Not Applicable

**Clause 10CC** N/A

**Clause 11**

Specifications to be followed for execution of work. CPWD specification 2009 with upto date correction slips and Manufacturer specification.

**Clause 12**

12.2 & 12.3) Deviation limit beyond which clause 12.2 & 12.3 shall apply **30 %**.  
for building work

**12.5)** Deviation limit beyond which clause 12.2 & 12.3 shall apply for **100%** foundation work

**Clause 16**

Competent Authority for Deciding reduced rates Secretary,  
**APMC,Azadpur**

**Clause 18**

List of mandatory machinery, Tools & plants to be deployed by the contractor at site:-

..... **As per site requirement** .....

**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



## CONDITIONS OF WORK EXECUTION

### 1. GENERAL CONDITIONS AND SPECIFICATIONS.

- 1.1. Subject to the nomenclature of the item and the specification indicated hereafter, the work, in general shall be carried out in accordance with the CPWD specifications 2009 volume 1 to volume II, and manufacturer specification and read with correction slips issued upto the date of receipt of tenders and relevant IS codes.
- 1.2. Wherever reference to any Indian Standard specifications occurs in the document relating to this contract, the same shall be inclusive of all amendments issued thereto or revisions thereof, if any, upto the date of receipt of tender.
- 1.3. Before commencement of the work, the contractor shall correlate nomenclature of the item with all the relevant architectural and structural drawings to satisfy himself that the information available there-from is complete and unambiguous. The figures and the written dimensions of the drawing shall supercede the measurement by scale. The contractor submits for approval of Engineer-in-charge his workshop drawings and the sample of the work to be performed under the specified items of work before actually commencing the mass execution of work under the item. Nothing extra shall be payable on this account.
- 1.4. The discrepancy in the drawing issued, if any, shall be brought to the notice of the Engineer-in-charge for immediate decision before execution of the work. The contractor, alone, shall be responsible for any loss or damage occurring by the commencement of work on the basis of any erroneous and incomplete information and no claim, whatsoever, shall be entertained on this account.
- 1.5.1 In the event of any difference or discrepancy in the description of any item or its specifications, the same shall be resolved in the following sequence and decision of the Engineer-in-charge shall be conclusive, final and binding on the contractor.
  - o The nomenclature of the item shall take precedence over all and anything stated elsewhere.
  - o The conditions and specifications attached to the tender document shall take preference over the provisions of CPWD specification 2009 (Vol 1 to II) with upto date correction slip, relevant IS codes and manufacturer specification.
  - o The CPWD specification 2009 vol. 1 to II shall take precedence over provisions of relevant IS codes.
  - o In case, it is not possible to resolve the issue with the help of tender documents the provision of relevant IS codes shall be relied upon.
  - o In case, it is not possible to resolve the issue with the help of any of the above documents, the decision and direction of the Engineer-in-charge shall be followed for execution and completion of any item of work.

### 2. SITE INSPECTION

- 2.1 The tenderer shall acquaint himself with the proposed site of work, its sub-soil strata, underground water table and its approach roads before quoting his rate.
- 2.2 If for any reasons, any part of the site is not available temporarily for some time or part of the work under the contract, the agreed construction schedule shall be suitably modified and contractor shall diligently divert his men and materials to utilize them profitably and no claim of damages whatsoever shall be entertained on this account. However, the contractor shall be allowed extension of time for completing the work as deemed fit by the competent authority.

### 3. ARRANGEMENTS FOR WORK EXECUTION

#### 3.1 ELECTRICITY

The contractor shall make his own arrangement for obtaining electric connections required for execution of work and make necessary payments directly to the electricity department concerned and nothing extra shall be payable on this account.

#### 3.2 WATER

- 3.2.1 The contractor shall make his own arrangement for water suitable for construction.

3.2.2 The water for construction work, if drawn from underground source, shall be got tested quarterly from the laboratory approved by the Engineer-in-Charge to ensure its suitability for construction. The charges for these tests and related arrangement shall be borne by the contractor. In the event of the water found unsuitable for construction, the contractor shall make alternative arrangement for suitable water to the satisfaction on the Engineer-in-Charge.

### **3.3 INSTRUMENTS/EQUIPMENTS**

The contractor shall provide at his own cost instruments suitable for surveying, weighing and measuring purpose at the site of the work as may be necessary for execution of the work.

All tools, plant and machinery provided by the contractor shall, even brought to the site, be deemed to be exclusively intended for construction and completion of this work and the contractor shall not remove the same or any part thereof without the consent of the Engineer in charge.

### **3.4 CONSTRUCTION WORKERS WELFARE CESS**

1% of gross value of work done shall be deducted from each bill as Construction Workers Welfare Cess. The tender rates shall deemed to include this cess.

## **4.0 MATERIAL TO BE PROCURED BY CONTRACTOR**

4.1 All material to be incorporated in the work shall be in accordance with the specification laid down. The tenderer shall use the materials bearing ISI Certification Mark unless otherwise specified or allowed in writing by the Engineer-in-Charge. Any material banned by the department shall not be used in the work.

4.2 The contractor shall submit to the Engineer-in-Charge samples of all materials for approval. These approved samples shall be preserved and retained in the custody of the Engineer-in-Charge as standards of materials till the completion of the work. The cost of such samples shall be borne by the contractor and nothing extra shall payable on this account over the Agreement rates.

4.3 The contractor shall be required to get necessary tests carried out on materials/ work from an approved laboratory as per the direction of the Engineer-in-Charge.

4.4 In case any material/work is found sub – standard the same shall be rejected by the Engineer-in-Charge and the same shall be removed from the site of work within 48 hours, failing which the same shall be got removed by the Engineer-in-Charge at the risk and the cost of the contractor without giving any further notice and time.

## **5.0 TESTING OF MATERIALS**

5.1 In order to ensure quality of work during its execution, the Engineer-in-Charge may require samples for mandatory or routine testing of materials. All cost of these samples, their packaging, conveyance from the site to the testing laboratory and return, shall be borne by the contractor.

5.2 Even ISI marked material may be subjected to quality test at the discretion of the Engineer-in-Charge. Whenever ISI marked materials are brought to the site of work the contractor shall, if required by the Engineer-in-Charge, furnish Manufacturer's test certificate or test certificate from approved testing laboratory to establish that the materials produced by the contractor, satisfy the provision of relevant IS codes. However cement/steel will be necessarily tested before start of work and will not be used till test certificates are obtained and approved by Engineer-in-Charge.

5.3 All Testing charges shall be borne by the contractor.

## **6.0 MEASUREMENT**

The work shall be executed and measured in metric system. The metric dimensions given in the schedule of quantities and drawing etc. shall be followed. The dimensions in FPS units (wherever indicated, are for guidance only). The drawings shall not be measured to scale and only dimension indicated in figures shall be followed.

## **7.0 RATES**

7.1 The contractor shall be responsible for completing the work and for satisfying all terms and conditions of the Contract without any extra payment over his quoted rates unless otherwise specified. The contractor shall quote his rates for various items of work accordingly and no claim

whatsoever shall be entertained for any incidental work involved in the execution of the work as per the nomenclature of the item and the specification indicated in the tender documents.

- 7.2 Subject to the nomenclature of the item as per schedule of quantities, the specifications indicated in the tender documents, the rates quoted shall include cost of all materials including royalty and taxes if any, labour, sundry inputs, execution of the work at all heights, level, in all shapes and for all leads, lifts and depth including scaffolding etc., overhead charges and contractor's profit.
- 7.3 The rates shall be inclusive of making design, pattern and execution of work as per Architectural and Structural drawings.
- 7.4 The rates shall be inclusive of making any holes in walls/RCC work for fixing any framework and making good the structure to its original shape and finish.
- 7.5 The rates shall be inclusive of working under water and adverse conditions and including pumping out or bailing out water, unless otherwise specified in the nomenclature. This will include water encountered from any source such as rains, floods, any other cause whatsoever and including sub-soil water.
- 7.6 The rates shall be inclusive of cost of cement slurry used over base surface of concrete work for old work for better bond with the under layer unless otherwise specified in the nomenclature of the item. Such use of cement slurry shall not be considered for working out the theoretical consumption of cement quantity.

#### **8.0 CO – ORDINATION WITH OTHER CONSTRUCTION AGENCIES**

- 8.1 Other agencies doing works related with this project will also simultaneously execute the work and the contractor shall afford necessary co-ordination for un-hindered completion of this sub-work.
- 8.2 The contractor shall leave necessary holes, opening etc. as may be directed by the Engineer-in-Charge for laying, burring or fixing, conduits, pipes, boxes, hooks, fans etc. Conduits for electrical wiring/cable will be laid in a way that leave enough space for concreting and do not adversely affect the structural members.
- 8.3 The contractor shall continue to maintain watch and ward to safeguard the Govt. property in his possession until the same is formally handed over as per direction of the Engineer-in-Charge. Nothing extra over agreement rates shall be paid on this account.

#### **9.0 SECURITY AND SAFETY MEASURES**

- 9.1 The contractor shall take care of all safety precautions pertaining to construction of the works, such as excavation, trenching, blasting, demolition, provision of scaffolding, ladder, working platforms, gangways, mixing asphalted materials, electric arc/gas welding, use of hoisting and construction machinery. He shall be governed by relevant provisions of CPWD safety code and as directed by the Engineer-in-Charge and nothing extra shall be payable on this account.
- 9.2 On account of security consideration, some restrictions may be imposed by the security staff on the working and / movement of men and materials etc. the contractor shall be bound to follow all such restrictions / instructions and he shall organize his work accordingly.
- 9.3 The contractor shall take all precautions to avoid accident by exhibiting necessary caution boards day and nights; speed limit boards red flag, red lights and providing barriers. He shall be responsible for all damages and accidents caused to existing/new work due to negligence on his part. No hindrance shall be caused to traffic during the execution of the work.
- 9.4 The contractor shall be responsible for the watch and ward of the buildings, safety of all fittings and fixtures including sanitary and water supply fitting and fixtures against pilferage and breakage during the period of installation and thereafter till the building is physically handed over to the department.
- 9.5 In order to indemnify the department for any claim on account of damage to the adjacent properties/structures he shall insure against such claim that may arise out or due to work done by him before commencement of the actual work and nothing extra shall be paid on this account.
- 9.6 The contractor shall take all preventive measures against any damage caused by rain, snowfall, floods or any other natural calamity, whatsoever during the execution of the work. The contractor shall be fully responsible for any damage to the Govt. property and to the work for which the

payment has been advanced to him under the contract. The contractor shall maintain an insurance policy against damage to the work executed for an amount at least equal to the payment received by him against the work done. Nothing extra shall be payable to the contractor for maintaining such insurance policy.

**10.0 COMPLIANCE TO GOVT. REGULATIONS AND BUILDING BYE LAWS**

10.1 The contractor shall comply with proper and legal orders and directions of the local or public authority or municipality and abide by their rules and regulations and pay all fees and charges, which he may be liable.

10.2 The contractor shall give due notice to Municipal, Police and / or other authorities that may be required under the law/rules under force in the area and obtain all requisite license for temporary obstructions/enclosure and pay all charges which may be liable on account of his execution of the work under the agreement. Nothing extra shall payable on this account.

10.3 “Provision for labour camp:

The contractor shall have to make his own arrangement for housing facilities for staff and labour away from construction site and shall have to transport the labour to and fro between construction site and labour camp at his own cost. No labour huts will be allowed to be constructed at the project site except a few temporary sheds for chowkidars and storekeepers. The decision about how many huts can be allowed for chowkidars and storekeepers at project site shall rest with the Engineer-in-charge and the contractor shall have no claim on this account.”

10.4 Contractor shall have registration of construction workers under the Delhi Building & Other Construction Workers (Regulation of Employment & Conditions of Service) Act, 1996 and the rules frame thereunder with the Delhi Building & Other Construction Workers’ Welfare Board.

**11. Security Deposit Deduction.**

A sum @ 5% of the gross amount of the bill shall be deducted from each running bill of the contractor, till the sum alongwith the sum already deposited as earnest money amounts to security deposit @ 5% of the tendered amount of the work.

### CONDITIONS FOR CEMENT

- 1) The contractor shall procure 43 grade (conforming to IS:8112) ordinary Portland cement, as required in the work, from reputed manufactures of cement, having a production – capacity of one million tones per annum or more, such as ACC, L&T, J.P.Rewa, Vikram, Shri Cement, Birla Jute and Cement Corporation of India, etc., as approved by Ministry of Industry, Govt. of India, and holding licence to use ISI certification mark for their product whose name shall be got approved from Engineer-in-charge. Supply of cement shall be taken in 50 Kg bags bearing manufacture's name and ISI marking, samples of cement arranged by the contractor shall be taken by the Engineer-in-charge and got tested in accordance with provisions of relevant BIS codes. In case test results indicate that the cement arranged by contractor does not conform to the relevant BIS codes, the same shall stand rejected and shall be removed from the site by the contractor at his own cost within a week's time of written order from the Engineer-in-charge to do so.
- 2) The cement shall be brought at site in bulk supply of approximately 50 tonnes or as decided by the Engineer-in-charge.
- 3) The cement godown of the capacity to store a minimum of 1000 bags of cement or as decided by Engineer- in- Charge shall be constructed by the contractor at site of work for which no extra payment shall be made. Double lock provision shall be made to the door of the cement godown. The keys of the one lock shall remain with the Engineer-in-charge or his authorized representative and the key of the other lock shall remain with the contractor. The contractor shall be responsible for the watch and ward and safety of the cement godown. The contractor shall facilitate the inspection of the cement godown by the Engineer-in-charge at any time.
- 4) The contractor shall supply free of charge the cement required for testing. The cost of tests shall be borne by the contractor.
- 5) The actual issue and consumption of cement on work shall be regulated and proper accounts maintained as provided in Clause 10 of contract. The theoretical consumption of cement shall be worked out as per procedure prescribed in Clause 42 of the contract and shall be governed by conditions laid there.
- 6) Cement brought to site and cement remaining unused after completion of work shall not be removed from site without written permission of the Engineer-in-charge.



CORRECTION SLIP

- i) Wherever, there is a reference of CPWD officers it shall construed to mean officers and other staff of Delhi Agricultural Marketing Board as applicable therein.
- ii) The reference of government in the tender form shall constructed to means Delhi Agricultural Marketing Board 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) The contractor shall obtain a valid licence 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.

**PROJECT ENGINEER-II**  
Delhi Agricultural Marketing Board

FAIR WAGES SCHEDULE

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

### List of approved makes for Civil Works

1	OPC/PPC Cement	:	ACC, GRASIM, Gujrat Ambuja, Birla (Vikram) Ultra-tech
2	Reinforcement Bars	:	Tata Steel, SAIL, RINL
3	Synthetic Enamel Paints	:	Burger (Luxol gold), Asian (Apolite), ICI Dulux (Gloss), Nerolac (Full gloss hard drying)
4	Cement Paint, Paint, Distemper, Primer	:	ICI India Ltd., Befer Paint Ltd., Good Loss Nerolac Paint, Asian Paint Ltd., Jenson and Necholson India Ltd., Shalimar Paint Ltd., Snowcem India Ltd.
5	Admixture for concrete	:	Cico, Sika, Pidilite, Asian, FOSROC
6	Epoxy paint	:	Nerolac or equivalent
7	CC Kerb Stone & Pre-cast CC slab	:	Nitco Prefab, K.K. or equivalent make with prior approval of Engineer-in-charge.
8	RCC Pipes		HIP or equivalent make
9	Structural steel	:	SAIL, TATA, RINL, ISCO
10	Mild steel Tubes	:	SAIL, TATA, ISCO
11	Welding Electrodes	:	ESAB, Advani-orlikon, Weld Alloy
12	RMC	:	ACC, Birla, L&T, CK RMC

\* If any other make is to be used, the same shall be got approved from the NIT approving authority.

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

**Schedule of Quantities**

**Name of Work: Renovation of Office Building, Check Post, Security Office, Site Office at Fruit & Vegetable Market, Okhla**

**Estimated Cost: Rs. 17,63,598/-**

**EMD: Rs. 35,300/-**

**Time of Completion: 3 Months**

S.No.	Sub-Heads and items of work	Quantity or No.	Unit	Rate	Amount
1	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	75	sqm.		
2	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. For thickness of tiles 10 mm to 25 mm	135	sqm.		
3	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge. In cement mortar	10	cum		
4	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead : Of area beyond 3 sq. metres	120	sqm.		
5	Demolishing mud phaska in terracing and disposal of material within 50 metres lead.	152	sqm.		

6	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	7	Cum		
7	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	910	sqm.		
8	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade : One or more coats on old work.	910	sqm.		
9	Excavating holes more than 0.10 cum & up to 0.5 cum including getting out the excavated soil, then returning the soil as required in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering etc, disposing of surplus excavated soil, as directed within a lead of 50 m and lift upto 1.5 m Ordinary rock	8	Each		
10	Excavating trenches of required width for pipes, cables, etc, including excavation for sockets, depth up to 1.5 m, including getting out the excavated materials, returning the soil as required in layers not exceeding 20 cm in depth, including consolidating each deposited layers by ramming, watering etc., stacking serviceable material for measurements and disposal of unserviceable material as directed, within a lead of 50m : Ordinary rock : Pipes, cables etc. not exceeding 80 mm dia.	40	Mtrs		
11	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete : 300 mm dia. R.C.C. pipe	40	Mtrs		
12	Constructing brick masonry road gully chamber 50x45x60 cm with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) including 500x450 mm pre-cast R.C.C. horizontal grating with frame complete as per standard design : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	5	Each		

13	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i)Single socketed pipes. 110 mm diameter	21	Mtrs		
14	Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6mm angle iron and 3mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer. Using M.S. angels 40x40x6 mm for diagonal braces.	5	sqm.		
15	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS :5382 leaving 10 mm gap for thermal expansion. Coupler 110mm	6	Each		
16	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass/ stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : For fixed portion Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	1500	Kg.		

17	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item): With float glass panes of 4.0 mm thickness	70	sqm.		
18	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:4 (1 cement : 4 coarse sand)	11	Cum		
19	Washed stone grit plaster on exterior walls of height upto 10 metre above ground level, in two layers, under layer 12mm cement plaster 1:4 (1 cement: 4 coarse sand ), furrowing the under layer with scratching tool, applying cement slurry on the under layer @ 2 Kg of cement per square metre, top layer 15mm cement plaster 1:1/2:2 (1 cement: 1/2 coarse sand :2 stone chipping 10mm nominal size), in panels with groove all around as per approved pattern, including scrubbing and washing the top layer with brushes and water to expose the stone chippings, complete as per specification and direction of Engineer-in- charge (Payment for providing grooves shall be made separately).	105	sqm.		
20	Forming groove of uniform size in the top layer of washed stone grit plaster as per approved pattern using wooden battens, nailed to the under layer, including removal of wooden battens, repair to the edges of panels and finishing the groove complete as per specifications and direction of the Engineer-in-charge : 20 mm wide and 15 mm deep groove	45	Mtrs		
21	12 mm cement plaster of mix : 1:4 (1 cement: 4 coarse sand)	36	sqm.		
22	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (thickness to be specified by the manufacturer ) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white	70	sqm.		

	cement mixed with pigment of matching shade complete.				
23	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622 of approved make in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 600x600 mm	100	sqm.		
24	Providing and fixing Decorative walls Tiles (500x500mm) as approval by EIC	75	sqm.		
25	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) : 25 mm thick.	45	sqm.		
26	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.	10	sqm.		
27	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground within 50 metres lead : With cement mortar 1:4 (1 cement: 4 coarse sand).	30	sqm.		
28	10 cm thick (average) mud phaska of damped brick earth on roofs laid to slope consolidated and plastered with 25 mm thick mud mortar with bhusha @ 35 kg per cum of earth and gobri leaping with mix 1:1 (1 clay : 1 cow-dung) and covered with machine moulded tile bricks, grouted with cement mortar 1:3 ( 1 cement : 3 fine sand) mixed with 2% of integral water proofing compound by weight of cement and finished neat with machine moulded common burnt clay FPS (non modular) brick tiles of class designation 12.5, conforming to IS 2690.	170	sqm.		

29	Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1mx1mx400micron, finished with 12mm cement plaster 1:3 (1 cement :3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete.	10	Each		
30	Providing gola 75x75mm in cement concrete 1:2:4 (1 cement :2 coarse sand : 4 stone aggregate 10 mm and down gauge) including finishing with cement mortar 1:3(1 cement : 3 fine sand) as per standard design In 75x75mm deep chase	120	Mtrs		
31	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in. Cement mortar 1:4 (1 cement : 4 coarse sand)	15	sqm.		
32	Finishing walls with water proofing cement paint of required shade : New work (Two or more coats applied @ 3.84 kg/10 sqm).	51	sqm.		
33	Finishing walls with water proofing cement paint of required shade : Old work (one or more coats applied @ 2.20 kg/10 sqm) over priming coat of primer applied @ 0.80 litres/10 sqm complete including cost of Priming coat.	415	sqm.		
34	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : One or more coats on old work.	661	sqm.		
35	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work.	50	sqm.		
36	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size).	5	Cum		



37	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	19	Cum		
38	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	500	Kg.		
39	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required, all complete.	438.8	Kg.		
40	Providing & fixing UV stabilised fiberglass reinforced plastic sheet roofing up to any pitch including fixing with polymer coated 'J' or 'L' hooks, bolts & nuts 8mm dia. G.I plain/bitumen washers complete but excluding the cost of purlins, rafters, trusses etc. The sheets shall be manufactured out of 2400 TEX panel rovigs incorporating minimum 0.3% Ultra-violet stabiliser in resin system under approximately 2400 psi and hot cured. They shall be of uniform pigmentation and thickness without air pockets and shall conform to IS 10192 and IS 12866. The sheets shall be opaque or translucent, clear or pigmented, textured or smooth as specified. 2mm thick corrugated (2.5" or 4.2" or 6") or step-down (2" or 3" or 6" ) as specified.	50	sqm.		
41	French spirit polishing : One or more coats on old work.	85	sqm.		
42	Providing and fixing flat pressed 3 layer particle board medium density exterior grade (Grade I) or graded wood particle board IS : 3087 marked, to frame, backing or studding with screws etc. complete (Frames, backing or studding to be paid separately) : 12 mm thick	90	sqm.		

43	Providing and fixing water closet squatting pan (Indian type W.C. pan ) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device(handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests.	2	Each		
44	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid	1	Each		
45	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i)Single socketed pipes. 110 mm diameter	25	Mtrs		
46	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings. This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge : External work 20 mm nominal outer dia. Pipes.	60	Mtrs		
47	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings. This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge : External work 15 mm nominal outer dia. Pipes.	22	Mtrs		
48	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 20 mm nominal bore	2	Each		

49	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 15 mm nominal bore	5	Each		
50	Providing and fixing PTMT Ball cock of approved quality, colour and make complete with Epoxy coated aluminium rod with L.P./ H.P.H.D. plastic ball. 20 mm nominal bore, 120 mm long. Weighing not less than 198 gms.	3	Each		
51	Providing and fixing PTMT pillar cock of approved quality and colour . 15mm nominal bore, 107 mm long. Weighing not less than 110 gms.	3	Each		
52	Providing and fixing PTMT bib cock of approved quality and colour. 15mm nominal bore, 86 mm long. Weighing not less than 88 gms.	5	Each		
53	Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour. 15 mm nominal bore with 45 cm length.	10	Each		
54	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Flexible pipe 40 mm dia	10	Each		
55	Rubbing and Mirror polishing on marble work/Granite work/stone work where ever required to give high gloss finish complete	81	sqm.		
56	Providing and fixing aluminium handles ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete : 125 mm	100	Each		
57	Providing and fixing aluminium casement stays ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade with necessary screws etc. complete.	100	Each		
58	Providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868)transparent or dyed to required colour and shade with necessary screws etc. complete. Single rubber stopper	6	Each		

59	Providing and fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868 ) transparent or dyed to required colour or shade with necessary screws etc. complete : 250x10 mm	10	Each		
60	Providing and fixing door closer as approval by EIC	5	Each		
61	Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with nuts and screws etc. complete : 300x16 mm	10	Each		
62	Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete : 250x10 mm	20	Each		
63	Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc. complete : 125 mm	20	Each		
64	Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.	3	Each		
65	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour. 450 mm long towel rail with total length of 495 mm, 78 mm wide and effective height of 88 mm, weighing not less than 170 gms.	3	Each		
66	Providing and fixing C.I. sluice valves (with cap) complete with bolts, nuts, rubber insertions etc. (the tail pieces if required will be paid separately) : 150 mm diameter Class I	1	Each		
67	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) 15 mm nominal bore	5	Each		

68	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) 20 mm nominal bore	5	Each		
69	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing : Rectangular shape 1500x450 mm	3	Each		
70	Manufacturing, supplying and fixing retro reflective sign boards made up of 2 mm thick aluminium sheet, face to be fully covered with high intensityencapsulated type heat activated retro reflective sheeting conforming to type - IV of ASTM-D 4956-01 in blue and silver white or other colour combination including subject matter, message (bi-lingual), symbols and borders etc. as per IRC ; 67:2001, pasted on substrate by an adhesive backing which shall be activated by applying heat and pressure conforming to class -2 of ASTM-D-4956-01 and fixing the same with suitable sized aluminium alloy rivets @ 20 cm c/c to back support frame of M.S. angle iron of size 25x25x3 mm along with theft resistant measures, mounted and fixed with 2 Nos. M.S. angles of size 35x35x5 mm to a vertical post made up to M.S. Tee section ISMT 50x50x6 mm welded with base plate of size 100x100x5 mm at the bottom end and including making holes in pipes, angles flats, providing & fixing M.S. message plate of required size, steel work to be painted with two or more coats of synthetic enamel paint of required shade and of approved brand & manufacture over priming coat of zinc chromate yellow primer vertical MS-Tee support to be painted in black and white colours).Backside of aluminium sheet to be painted with two or more coats of epoxy paint over and including appropriate priming coat including all leads and lifts etc. complete as per drawing , pecification and direction of Engineer—in-charge. Mandatory/Regulatory sign boards of 900 mm diametre with support length of 3750 mm.	70	sqm.		
71	Removal of malba outside APMC premises by all lead and lift as per direction of Engineer-in-charge	50	Cum		

	<b>Electrical items</b>				
1	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/recessed steel/ PVC conduit as required.				
1.1	2 x 1.5 sq. mm	200	Mtr		
1.2	3 x 1.5 sq. mm	100	Mtr		
1.3	2 x 2.5 sq. mm	100	Mtr		
1.4	2 x 4 sq. mm	75	Mtr		
1.5	2 x 6 sq. mm	20	Mtr		
2	Supplying and drawing following pair 0.5 mm dia FRLS PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required.				
2.1	2 Pair	20	Mtr		
2.2	4 Pair	25	Mtr		
3	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.				
3.1	20 mm	50	Mtr		
3.2	25 mm	50	Mtr		
4	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required.				
4.1	i) 5/6 amps switch	40	Each		
4.2	ii) 3 pin 5/6 amp socket outlet	20	Each		
4.3	15/16 A switch	30	Each		
4.4	6 pin 15/16 A socket outlet	15	Each		
5	Supplying and fixing metal box of following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including painting etc. as required				
5.1	180 mm X 100 mm X 60 mm deep	6	Each		

5.2	200 mm X 150 mm X 75 mm deep	6	Each		
5.3	250 mm X 300 mm X 60 mm deep	6	Each		
6	Installation, testing and commissioning of wall bracket /ceiling fittings of all sizes and shapes containing upto two GLS/CFL/LED lamps per fitting, complete with all accessories including connections etc. as required	30	Each		
7	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable including providing and fixing phenolic laminated sheetcover on the fan box etc. as required.	10	Each		
8	Supplying and fixing suitable size of phenolic laminated sheet cover in front including cutting for switch/socket etc. as required.	200	Sq cm		
	<b>Total</b>				

**Jr. Engineer****Asstt. Engineer****Executive Engineer**

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 the contractor with Seal*