

Government of Tamil Nadu  
Agricultural Engineering Department

**TENDER SCHEDULE**  
**TECHNICAL BID**

Name of Work	Construction of Sub Agricultural Extension Centre
Location	Edayarpakkam Village, Sriperumbudur Block
District	Kanchipuram District
Scheme	NABARD RIDF XXVI 2020-21
E.M.D Value	Rs.35,000/-
Tender Closing Date	27.05.2022

TENDERER

NO.OF CORRECTIONS:

SUPERINTENDING ENGINEER (AE)  
CHENNAI

**Government of Tamil Nadu**  
**Agricultural Engineering Department**

Name of Work	:	Construction of Sub Agricultural Extension Centres	
Location	:	Edayarpakkam Village, Sriperumbudur Block	
District	:	Kanchipuram District	Scheme : NABARD RIDF XXVI 2020-21

**INDEX**

SI No	Title	Subject
<b>TENDER SCHEDULE - TECHNICAL BID</b>		
	Check Slip	
1	General Particulars	
2	Important Information	Two cover system
		Documents to be enclosed
		Price bid
		Opening of price bid
		How to quote; No correction / overwriting
		Cement / Steel & materials – own supply
3	Tender Notice	Dates
		Name of work
		Availability of tender document
		Opening of tender
4	General Information	Contractor Class Registration
		Two cover - Sealed cover
		Tender by a firm
		IT - Verification certificate
		EMD – NSC,DD, FD
		GST Registration certificate
		Retention of EMD of successful tenderer
		Validity - 90 Days
		Security Deposit - BG - 180 Days
		Forfeiture of EMD
		Forfeiture of SD
		Acceptance of tender is valid contract
		Tenderer study TNBP / Drawings etc
		Materials - as per IS Specifications
		Tenderer expected to examine site / records in advance
		Important clauses in general conditions
		Schedule of quantities - Price Bid - E&OE
		Percentage quote procedure
		No alterations by tenderer in contract form

TENDERER

NO.OF CORRECTIONS:

SUPERINTENDING ENGINEER (AE)  
CHENNAI

		Rate of progress
		Subletting
		Clarifications - Only by CE (AE)
		CE has right to reject any tender
		Employment of Technical assistants
		Excessive tender / Insufficient knowledge - Debar
		Tenderer - assumed to have inspected site and know soil type
		Statement of equipments and resources
		CE's right - on allotting sub works
		Penalty for Non-employment of Technical personnel
		Withheld amount - One year; Indemnity - Four years
		Action against contractors - failed to execute earlier agreement
		No withdrawal of tender - Forfeiture / blacklisting
5	Schedule 'A'	Use clean fresh water
	Additional Information	Iron work - Priming coat - Except steel for RCC
		Teak wood - Indian
		Holes and Chassis for wiring
		Plastering edges
		Arrangement of reinforcement steel as per working drawings
		Centering planks
		RCC - Machine mixed & Vibrated
		Lime mortar - grinded
		Fixing frames for doors & Windows - rate included in brickwork
		Rate for plastering includes - cornice works
		Supply of materials - contractor - Quality as per IS codes
		Avoid wastage of steel
		Avoid wastage of cement
		Re-doing dismantled work.
		RCC works the rate shall include the treatment of bearings
		Floor wise rate not applicable
		Labour below 12 years - prohibited
		Night work - Lighting - No extra payment
		Interpretation on terms - only by CE
		Sign TNBP
		Electrical work through license holder A or B
		Forfeiture of EMD, SD, ASD - failure to execute work
		Risk insurance
		Sanitary ware installation
		Clamping of pipes
		Paint in original containers

TENDERER

NO.OF CORRECTIONS:

SUPERINTENDING ENGINEER (AE)  
CHENNAI

SI No	Title	Subject
		Revenue recovery act
		Convert EMD in the shape of DD
		Sales tax clearance before signing agreement
		EOT - May not be granted
		Contractor bound by General conditions of contract
		Transfer of work
		Own arrangement for new approach road. Maintain existing.
		Execute work as per CE circulars
		Deduction of IT
		Rates quoted is exclusive of GST
		Royalty payable by contractor
		Safe custody of materials
		Abide by labour acts
		Impounding minimum 10 cm of water over roofs for 48 hours
6	Schedule 'B'	First aid
	Health and sanitary arrangement for workers	Drinking water
		Latrine and urinals
		Washing and bathing
		Rest sheds
		Canteen
		Shed for women
		Insurance for labour
7	Addl.conditions	Retention money
		Payment of 50% of retention money with final bill
		Release of EMD, SD, ASD - 6 months after completion
		Balance 50% of Retention money after one year
		Deduction of GST
		Dispute Resolution
		Additional security
		EPF
		Re-doing dismantling
		Brick quality
		Testing of materials
		Survey equipment & tools
8	Sp. Conditions for Cube testing	Mould
		Compacting
		Duration of curing
		Cube testing using own machine
		Cubicle for cube testing

TENDERER

NO.OF CORRECTIONS:

SUPERINTENDING ENGINEER (AE)  
CHENNAI

SI No	Title	Subject
		Calibration of compression testing machine
		Testing charges
9	Employing Technical Assistants	Norms
		Penalty for Non-employment of Technical personnel
		Mechanical Engineers with Civil experience - eligible
10	Special conditions for electrical works, Fabrication works and Erection works	
11	Schedule 'B'	Drawings
12	Letter from Tenderer	
<b>Tender Schedule - Price Bid</b>		
13	Schedule 'C'	Quantities & Unit rates
		Payment for measured works at site
		Price Bid

TENDERER

NO.OF CORRECTIONS:

SUPERINTENDING ENGINEER (AE)  
CHENNAI

### CHECK SLIP

Kindly ensure compliance of the under-mentioned requirements, as per Tender Terms and Conditions.

Demand Draft No. / Fixed Deposit Receipt No. \_\_\_\_\_ dated \_\_\_\_\_ for a value of Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ only) drawn on (Bank) \_\_\_\_\_ Branch \_\_\_\_\_ in favour of Superintending Engineer (Agrl. Engg.), **CHENNAI.**, payable at **CHENNAI.**

Sl. No.	Conditions	Yes / No
1	Whether Demand Draft / Fixed Deposit receipt for the mentioned EMD amount remitted is enclosed.	
2	Whether Copy of PWD / TN Highways / TNHB / TNRD / TWAD registered class of the tenderer (building works only) with monetary limit enclosed.	
3	Whether Copy of live registration certificate (building works only) from PWD / TN Highways / TNHB / TNRD / TWAD with Validity period enclosed.	
4	Whether Copies of Annual Turnover certificates of the tenderer for the past three years enclosed.	
5	Whether details of the Technical persons to be employed attached along with consent letters.	
6	Whether Copies of Experience certificates / Work completion certificates (in building construction) for a single work order value as mentioned in the Technical bid is enclosed.	
7	Whether Copy of GSTIN registration Certificate and copy of latest GST return filed is enclosed.	
8	Whether Copy of Aadhar Card of Tenderer enclosed.	
9	Whether Copy of Income Tax Permanent Account Number (PAN) of Tenderer enclosed.	

TENDERER

NO.OF CORRECTIONS:

SUPERINTENDING ENGINEER (AE)  
**CHENNAI**

Sl. No.	Conditions	Yes / No
10	Whether all the pages in the tender formats, Cover – A (Technical Bid) and Cover - B (Price Bid) have been duly signed by authorized signatory.	
11	Whether two covers have been sealed duly super scribed as <b>“Tender for the construction of Sub Agricultural Extension Centre at Edayarpakkam Village, Sriperumbudur Block, Kanchipuram District”</b> under NABARD RIDF XXVI 2020-21	Cover 1 <b>Technical bid</b>
		Cover 2 <b>Price bid</b>
12	Whether these two sealed covers (Cover 1 - Technical bid & Cover 2 – Price bid) put in a larger cover duly super scribing the addressee, name of the work and wax sealed at appropriate places.	

**Signature of the tenderer**

TENDERER

NO.OF CORRECTIONS:

SUPERINTENDING ENGINEER (AE)  
**CHENNAI**

GOVERNMENT OF TAMIL NADU  
AGRICULTURAL ENGINEERING DEPARTMENT

TenderSchedule - Technical Bid

1. GENERALPARTICULARS

1	Tender Notice No	:	SE(AE) /CHN /01/ 2022-23Dt: 13.05.2022
2	Name of work	:	Construction of Sub Agricultural Extension Centre at Edayarpakkam Village, Sriperumbudur Block, Kanchipuram District
3	Sale of Tender documents	:	From 13.05.2022 to 26.05.2022 (Between 11.00 AM -- 3.00 PM) at O/o The Superintending Engineer, Agricultural Engineering Department, 487, Anna Salai, Nandanam, CHENNAI-600 035
4	Last date and time for Sale of Tender documents	:	27.05.2022 – 11.30 AM
5	Last date and time for receipt of Tender Documents	:	27.05.2022– 2.00 PM
6	Opening of tender	:	27.05.2022– 3.00 PM
7	EMD ( including GST )	:	Rs.35,000 (Rupees Thirty Five Thousands only)
8	EMD (Demand Draft) to be drawn in the name of	:	Superintending Engineer (A.E.), CHENNAI.
9	Cost of Tender documents	:	Rs.9,000 + 12% GST
	<b>Note:</b> 1. Cost of tender document is non-refundable. 2. Payment: Through Demand Draft in the name of <b>Superintending Engineer(Agrl.Engg.),CHENNAI</b> payable a t <b>CHENNAI</b> or by Cash. 3. Tender document is <b>available for free download</b> at <a href="http://www.tenders.tn.gov.in">www.tenders.tn.gov.in</a>		

TENDERER

NO.OF CORRECTIONS:

SUPERINTENDING ENGINEER (AE)  
CHENNAI

10	Period for Completion of work	:	6 Months
11	Place of tender receiving / opening	:	O/o The Superintending Engineer, Agricultural Engineering Department, 487, Anna Salai, Nandanam, CHENNAI – 600 035
12	Number of pages	Technical Document	: 43
		Bidding Document	: 14
13	Eligibility conditions	:	<b>Class II and above Contractors</b> (Civil works only) registered in TN PWD/ TN Highways / TNHB / TWAD / TN RD
14	Minimum experience :		3years (Experience certificate obtained from Executive Engineer or above, should be attached)
15	Tender withdrawal conditions		<ul style="list-style-type: none"> <li>No tenderer is allowed to withdraw his tender during the <b>Validity period of 90 days</b>.</li> <li>If a tenderer withdraws his tender within the validity period, his EMD will be forfeited and his name will be blacklisted.</li> </ul>
16	Corrigendum(s)		It is the responsibility of the tenderer to watch the corrigenda in the tender website " <a href="http://www.tenders.tn.gov.in">www.tenders.tn.gov.in</a> " till the last date of tender closing. The tender inviting authority will assume that the tenderer has seen the corrigenda and incorporated all the corrigenda points in main tender. The tender documents not incorporating the points / fulfilling the requirements as mentioned in the corrigenda will not be considered and will be summarily rejected.

TENDERER

NO.OF CORRECTIONS:

SUPERINTENDING ENGINEER (AE)  
CHENNAI

## 2. IMPORTANT INFORMATION TO THE TENDERERS FOR FILLING UP TENDERDOCUMENTS

### Two cover system:

- I. **Cover 1** - The **EMD and Tender Schedule** should be placed in a separate cover super scribed as "*Technical Bid*".
- II. **Cover 2- Price bid** should be placed in another cover super scribed as "*Price Bid*".
- III. Both the covers should then be submitted in a single sealed cover.
- IV. Outer cover should be **addressed to the Superintending Engineer (Agricultural Engineering),No.487,Anna Salai,Nandanam,CHENNAI-600 035**the name of the tenderer and the name of the work being noted on thecover.
- V. Tenders not submitted in sealed covers **will be summarily rejected**
- VI. If the EMD is not available in Technical Bid (Cover 1), the tender will be rejected. If the EMD is enclosed in Price bid (Cover 2), even though the EMD is available, tender will be rejected.

The following items should be enclosed with the technical bid (Cover 1) and the **tender documents without following items will be summarilyrejected.**

### 1) Mandatory Documents

1. Contractor Registration Certificate - Valid **Class II** and/orabove and Current Renewal (Registration Alive)certificate (Civil works only)
2. Earnest Money Deposit – EMD
3. Income tax verification certificate- Latest Threeyears
4. GST Registration Certificate & GST Latest month clearance certificate
5. Annual Turn Over more than Rs. 40.00 Lakhs in any of the Past five years
6. Details of Technical Personnel proposed to beemployed

TENDERER

NO.OF CORRECTIONS:

SUPERINTENDING ENGINEER (AE)  
CHENNAI

## 2) Additional Documents

7. Copy of Aadhar Card
8. Copy of PAN card
9. Experience Certificates / Work Completion Certificates in building construction for a **single work order value** of Minimum **Rs.40.00 lakhs** in any of the past five financial years clearly indicating department of work executed, period and value of work.

### Price Bid:

1. The tenderer should make sure that the percentage rates quoted both in figures and words. The tenderer is requested to fill-up the rate and amount neatly, without correction or overwriting.
2. Scoring in rates, if any should be attested by the tenderer.

### Opening of Price Bid:

1. Price Bid Cover (Cover 2) will be opened only after the tenderer qualifies in the technical bid.
2. The opening of Price Bid cover on the same day of technical bid opening will be decided by the Tendering authority and if not opened on same day, the tenderers will be intimated about opening of price bid date and time.

TENDERER

NO.OF CORRECTIONS:

SUPERINTENDING ENGINEER (AE)  
CHENNAI

**AGRICULTURAL ENGINEERING DEPARTMENT**  
**O/ o TheSuperintending Engineer (Agricultural Engineering), CHENNAI**

**3. TENDER NOTICE**  
**L.S. CONTRACT - TWO COVER SYSTEM**

For and on behalf of the Governor of Tamil Nadu, sealed tender is invited for the under mentioned work so as to reach the **Superintending Engineer,Agricultural Engineering, No. 487,Anna Salai, Nandanam, Chennai-600 035,not later than 2.00 PM on 27.05.2022.**The tenders will be opened by the **Superintending Engineer (Agricultural Engineering), CHENNAI**at his office at 3.00 PM as per Superintending Engineer (Agricultural Engineering), **CHENNAI**office clock, on the same date in the presence of the tenderers or their authorized representatives, who choose to be present for the **Construction of Sub Agricultural Extension Centre at Edayarpakkam Village, Sriperumbudur Block, Kanchipuram District with assistance from NABARD RIDF XXVI 2020-21.**

**MANDATORY CONDITIONS (Without which Tender will be rejected)**

- Only the Tenderers, registered with the following Departments with proven track record areeligible.

Registration Department	Class	Monetary Limit
TN Public Works Department,	Class II and / or above ( Civil works only)	above 30.00 Lakhs and upto 75.00 lakhs
TN Highways Department		
Tamil Nadu Housing Board		
Tamil Nadu Rural Development&Panchayat Raj Department		
Tamil Nadu Water Supply & Drainage Board		

- The Tenderer should have completed the construction of“**Building**” works with value not less than **Rs.40.00Lakh**(Rupees Forty Lakhs only) **in single work order** in any one of the preceding “**five**” years in Government / Quasi Government Organizations duly certified by theEmployer.
- Annual turnover of the Applicant should not be less than **Rs.40.00 Lakhs (Rupees Forty lakhs only) per year in any one of the preceding “Five” years.**
- Earnest Money Deposit – EMD
- Income tax verification certificate- Latest Threeyears
- GST Registration Certificate & GST Latest month clearance certificate.
- Details of Technical Personnel proposed to beemployed

TENDERER

NO.OF CORRECTIONS:

SUPERINTENDING ENGINEER (AE)  
**CHENNAI**

## **GENERAL TENDER TERMS & CONDITIONS**

- The tender should be submitted in the prescribed form obtainable from the Office of the **Superintending Engineer (AE), Chennai, Agricultural Engineering Department, No.487, Anna Salai, Nandanam, Chennai –600 035.** Tender document is **available for free download** at [www.tenders.tn.gov.in](http://www.tenders.tn.gov.in).
- The Tenderers have the option to present the tender directly or to send it by registered post acknowledgement due on or before the last date for receipt of tenders.
- In case of sending tenders by registered post acknowledgement due, it is the responsibility of the tenderer himself to dispatch the tender sufficiently early so as to reach the tender opening authority before the date and time notified in the tender notice for opening of tenders.
- No representation/appeal of any kind will be allowed against belated receipt of tenders beyond the notified date and time or loss in transit etc.
- The tenderers or their authorized representatives are expected to be present at the time of opening of tenders.
- The tender receiving officer will, on opening each tender prepare a statement of the attested and unattested corrections therein and hand it over to the tenderer concerned and initial all such corrections in the presence of the tenderer. If anyone of the tenderers or their agents finds it inconvenient to be present at the time, then in such a case the tender receiving officer will open the tender of the absentee tenderer and make out a statement of the unattested corrections and communicate it to him. The absentee tenderer shall then accept the statement of corrections without any question, whatsoever.
- **Earnest Money Deposit**
  - **The EMD and Tender Schedule (Technical Bid) along with enclosures should be placed in a separate cover. Price bid should be placed in another cover. Both the covers should then be submitted in a single sealed cover.** Tenders not submitted in sealed covers will be summarily rejected. Outer cover should be addressed to the **Superintending Engineer (AE), Chennai, Agricultural Engineering Department, No.487, Anna Salai, Nandanam, Chennai – 600 035,** the name of the tenderer and the name of the work being noted on the cover.
  - Each tenderer must pay as Earnest Money Deposit, a sum of **Rs.35,000 (Rupees Thirty Five thousand only)** by **Demand Draft** drawn in favour of the **Superintending Engineer (Agricultural Engineering), Chennai** and enclose with his tender the Demand Draft in Original. The Earnest Money deposit will be refunded to the unsuccessful

TENDERER

NO.OF CORRECTIONS:

SUPERINTENDING ENGINEER (AE)  
**CHENNAI**

tenderers on application after intimation is sent about rejection of the tender or at the expiration of 90 days from the date of tender, whichever is earlier. The Earnest Money deposit will not be received in cash or cheque. Tenders accompanied by cheques or cash will be summarily rejected.

- The Earnest Money Deposit will be retained in the case of successful tenderer and will not carry any interest. It will be dealt with as provided for in the tender.
- If the tender is made by an individual it shall be signed with his full name and his address shall be given. If it is made by a member of the firm, it shall be signed with the co-partnership name by a member of the firm who shall also sign his own name, and the name and address of each member of the firm shall be given. If the tender is made by a Corporation, it shall be signed by duly authorized officer, who shall produce with his tender, satisfactory evidence of his authorization. Such tendering Corporations may be required before the contract is executed, to furnish evidence of its corporate existence.
- Each tenderer must enclose a certificate of Income-tax verification from the appropriate Income - tax Authority in the form prescribed there for. This certificate will be valid for one year from the date of issue for all tenders submitted during the period. In the case of proprietary and partnership firm, it will be necessary to produce the certificate aforementioned for the proprietors and each of the partners, as the case may be. If the tenderer is a registered contractor and if a certificate for the current year had already been produced by him during the calendar year in which the tender is made it will be sufficient if particulars regarding the previous occasion on which the said certificate was produced are given. Tenders received without certificate as afore mentioned will be summarily rejected.
- Each tenderer must enclose a **GST Registration certificate** from the appropriate Authority. and **latest GST clearance certificate**. Tenders received without certificate as a forementioned will be summarily rejected.
- The tender will remain **valid for a period of 90 days from the last date of tender opening**. The validity period can be extended further if the tenderer gives his consent in writing, specifying the period of extension.
- The tenderer whose tender is under consideration shall attend the office before the end of the period specified by written intimation to him. If the tenderer fails to attend the office before the end of specified period, his tender will not be considered. He shall forthwith, upon intimation given to him of acceptance of his tender by the officer authorized, make security deposit of 2% of the value

TENDERER

NO.OF CORRECTIONS:

SUPERINTENDING ENGINEER (AE)  
CHENNAI

of contract in one of the forms prescribed in AED by taking into account of the amount of earnest money deposit already deposited with the tender. It would be sufficient to pay the balance amount to make up the two percent of the value of contract for the purpose of security deposit. Irrecoverable Bank guarantee obtained from the nationalized bank or scheduled banks with a validity period of three hundred and sixty five days (365 Days) after the date of completion of the work will also be accepted for security deposit. The security deposit together with earnest money deposit and the amount withheld according to relevant clauses of General conditions to the contract, shall be retained as security for due fulfillment of contract.

- On receipt of written communication of acceptance of tender if the tenderer fails to pay the requisite security deposit within the period specified in the written communication or backs out from the tender or withdraws his tender, the earnest money deposit shall be forfeited.
- If the contractor fails to carry out the contract, after paying the requisite security deposit, then he will be liable for the excess expenditure, if any incurred to complete the work as contemplated in the General conditions to the contract.
- It shall be expressly understood by the tenderer that, on receipt of written communication of acceptance of tender from the accepting authority, there emerges a valid contract between the AED and the tenderer for execution of the work without any separate written agreement. Hence for this purpose, the tender documents i.e., tender notice, tender offered by the contractor, general conditions to the contract, special conditions to the contract, negotiation, correspondences, written communication of acceptance of tender, etc., shall constitute a valid contract and that will be the foundation of the rights of both the parties to the contract. Provided that, it shall be open to the accepting authority to insist execution of any written agreement by the tenderer, if administratively considered necessary or expedient.
- The tenderer shall examine closely the general conditions of the contract of Tamil Nadu Building Practice and also other conditions of contract contained therein and sign the copy of the Tamil Nadu Building Practice and its addenda volume in token of such study before submitting his tender which shall be for finished work in site. He shall also carefully study the drawings and additional specifications and all the documents connected with the contract. The Tamil Nadu Building Practice and other documents connected with the contract such as specifications, plans, descriptive specification sheet regarding materials etc., can be seen at any time between 11.00 a.m. and 5.00 p.m. on working days in the office of the **Superintending Engineer (Agricultural Engineering), Chennai** aforementioned.
- The tenderer's attention is directed to the requirements for materials under the

TENDERER

NO.OF CORRECTIONS:

SUPERINTENDING ENGINEER (AE)  
**CHENNAI**

clause“MaterialsandWorkmanship” in the Generalconditiontocontract. Materialsconforming to the Indian Standard Specifications shall be used on the work and the tenderer shall quote his rates accordingly.

- **Every tenderer is expected, before quoting his rates to inspect the site of proposed work. He should also inspect quarries, and satisfy himself about the quality and availability of materials such as Bricks, M.Sand& HBS jelly etc. The best class of materials shall be allowed to use on the work. In every case the materials must comply with the relevant standard specifications. Samples of materials called for in standard specifications or in this tender notice or as required by the Executive Engineer in any case shall be submitted for the Executive Engineer’s approval before the supply to the site of work is begun.**
- **Accordingly the tenderers are requested to quote their own workable rates. The Agricultural Engineering Department will not however after acceptance of contract rate pay any extra charges for lead or for any other reasons in case the contractors found later on to have misjudged the materials available. Attention of the tenderers is directed to the General conditions of the contract regarding payment of seigniorages tollsetc.**
- The Tenderer’s particular attention is drawn to sections and clauses in the General Conditions of contract dealingwith:
  - Test, inspection and rejection of defective materials andwork
  - Carriage
  - Constructionplant
  - Water andLighting
  - Cleaning up during progress and fordelivery
  - Accidents
  - Delaysand
  - Particulars ofPayment
  - The contractor should closely peruse all the specification clauses which govern the rate he istendering.
- A schedule of quantities (Price Bid) accompanies this tender notice, it shall be definitely understood that the **Superintending Engineer (Agricultural Engineering), Chennai,** aforementioned does not accept any responsibility for the correctness or completeness of this schedule and that this schedule is liable to alterations, omission, deductions or additions at the discretion of the **Superintending Engineer (Agricultural Engineering), Chennai**or

TENDERER

NO.OF CORRECTIONS:

SUPERINTENDING ENGINEER (AE)  
**CHENNAI**

as set forth in the conditions of contract. The Tenderer will however base his lump- sum tender on this schedule of quantities.

- No alteration which is made by tenderer in the contract form, the conditions of contract, the drawings, specification, or quantities accompanying same will be recognized and if any such alterations are made the tender will be void.
- The attention of the tenderer is directed to the contract requirements as to the time of beginning work, the rate of progress and the dates for the completion of the whole work and its several parts. The following rate of progress and of proportionate value of work done from time to time as will be indicated by the Executive Engineer's certificates of the value of work done will be required. Date of commencement of work will be the date on which the site (or premises) is handed over to the contractor.

### Period of Contract –6Months

#### Schedule of progress

Period after date of commencement	Building should complete the following stages
1 <sup>st</sup> Month	Grade Beam Level
2 <sup>nd</sup> Month	Plinth Beam Level
3 <sup>rd</sup> Month	Roof Level
4 <sup>th</sup> Month	Roof Laid stage & Curing
5 <sup>th</sup> Month	Finishing stage (Plastering, Plumbing & Electrical works)
6 <sup>th</sup> Month	Completion stage (White washing, Color washing & Handing over)

- No part of the contract shall be sublet without written permission of the Executive Engineer, nor shall transfer be made by power of attorney, authorizing others to receive payment on the contractor's behalf.

- If further necessary information is required the **“Superintending Engineer (Agricultural Engineering), Chennai”** of the Agricultural Engineering Department will furnish details, but it must be clearly understood that tenders must be received in order, and according to instructions.

- The **Superintending Engineer (Agricultural Engineering), Chennai** or tender approving authority reserves the right to reject any tender or all the tenders without assigning any reason therefor.

TENDERER

NO.OF CORRECTIONS:

SUPERINTENDING ENGINEER (AE)  
CHENNAI

- The tenderers who are themselves not professionally qualified shall undertake to employ qualified Technical men at their cost to look after work. The tenderer should therefore state in clear terms whether they are professionally qualified or whether they undertake to employ technical staff and if so give their professional qualifications of the staff to be employed.

- In case the selected tender is one who has undertaken to employ technical staff under him, he should see that one of the staff is always at site of the work during working hours personally checking all items of work and paying extra attention to such works as may demand special attention eg., reinforced concrete works etc.

- Tenderer submitting a tender, which the tender accepting authority considers excessive and / or indicate of the insufficient knowledge of current prices or definite attempt at profiteering, will render himself liable to be debarred permanently from tendering for such period as the tender accepting authority may decide.

- The fact of submitting the tender implies that the tenderer have actually inspected the site of works and have examined before tendering the nature and extent of various kinds of soil at various depths and have based their tenders on such examination by them and no future representation in this regard will be considered.

- A statement giving particulars of equipment and resources that will be put at the disposal of the work under the following classification should accompany the tender.

- Equipment (Transport of materials Viz. lorries and carts, concrete mixers)
- Organization: (i) Technical (ii) Unskilled
- Resources: Materials like teak wood, steel etc. and extent to which departmental help is not required for procurement of materials and transport of the same.
- Methods that will be adopted to speed up the work to ensure completion within or earlier than the time fixed for completion.

- The **Superintending Engineer (Agricultural Engineering), CHENNAI**, reserves to himself the right of allotting the different sub-works to different contractors or one and the same contractor as he may decide after the receipt of tenders.

- The contractors are liable to pay a penalty for non-employment of the technical staff as laid down in the conditions of employment of technically qualified personnel.

- The retention amount withheld according to the standard preliminary specification of the TNBP shall be retained for a period of one year reckoned from the Date of completion of

TENDERER

NO.OF CORRECTIONS:

SUPERINTENDING ENGINEER (AE)  
CHENNAI

work, in order to enable the Department Officers to watch the effect of all seasons on the work. An indemnity bond shall be executed for a further period of Four years reckoned from the date of completion of one year.

- Action will be taken as per the Government orders in force, against the contractors who have participated in the earlier tenders but failed to execute the agreement on some pretext after receipt of the work order.

- **No tenderer is permitted to withdraw his/their tender at any stage. If any tenderer withdraws his/their offer within the tender validity period his/their EMD/SD shall be forfeited and his/their name(s) will be recommended for black listing.**

#### **ADDITIONAL CONDITIONS**

- “On evaluation of tender if it is found that if the overall quoted amount of the tender is less than 5 to 15% of the value put to tender, the contractor shall pay an additional security of 2% of the estimated value. If the tender discount exceeds 15% to 20%, the contractor shall pay an additional security deposit of 50% of the difference between the quoted amount and estimated amount. Failure to furnish the additional security deposit within 15 days from the date of receipt of Acceptance order and execute the Agreement shall entail cancellation of award of contract and forfeiture of E.M.D. furnished.”

### **5. Schedule**

#### **Additional Information**

1. The tenderer should make their own arrangements to procure cement, steel and all other materials (as per IS standards and its latest amendment from time to time) required for the work.
2. The Contractor shall make his own arrangements for clean, fresh water for use on the construction work and shall meet all charges there for.
3. All iron work or steel work of every kind, except such as is to be embedded in cement concrete shall immediately on arrival at the site be properly scrapped and wire brushed and given a priming coat of red lead paint without claim for extra.
4. The Teak Wood shall be of best Indian Wood only and the country wood shall be species like Pillamarudu or Kariamarudhu only and shall be subject to inspection and approval by the Executive Engineer before use on work.
5. Holes and chassis for electric wiring, water supply, drainage etc., shall be provided as

TENDERER

NO.OF CORRECTIONS:

SUPERINTENDING ENGINEER (AE)  
CHENNAI

directed during the progress of work without claiming any extracharges.

6. All external corners, edges of beams, edges of door and window openings etc., shall be finished sharp using richer mortar and also finished truly vertical or horizontal as the case may be. The rate of plastering shall include the cost of finishing as above. No extra for finishing the corners, edges etc., will be paid.
7. The arrangements for MS rods for reinforcement for each RCC work shall be in accordance with the working drawings supplied.
8. The planks for forms and centering for RCC work shall be of well-seasoned timber approved by the Executive Engineer according to sub clause 10 of T.N.B.P. No. 30. They must be made smooth and perfectly level at top so as to give a smooth and even finish to the R.C.C. Ceiling. Alternatively, the contractor may use steel sheets over wooden frame provided, the required finish to the underside of the slabs is obtained. Mango planks shall not be used under any circumstances. Centering and form works shall be provided to the extent and area ordered by the Executive Engineer during the execution. Finishing shall be done as per sub-clause 15 of TNBP No. 30.
9. All cement concrete for RCC works shall be machine mixed and vibrated.
10. All lime mortar shall be grinded in a mortar mill as per TNBP.
11. The rates for brick work in all the floors includes the labour charges for fixing the frames of doors and windows and fixing G.I. pipes outlets for windows as per sub-clause 14 of TNBP No. 31.
12. The rate for plastering includes providing cornice, band cornice, ceiling cornice and skirting wherever necessary as directed by the Department officers.
13. It is not obligatory on the part of the Department to supply any materials (Controlled or non-controlled) required for the constructions. The contractor is expected to make his own arrangements. The quality of these materials should conform to the specifications given in relevant IS codes. Ordinary Portland Cement 43 Grade grey colour SRC if necessary based on site condition (without any extra cost) conforming to IS Specification should be used. Steel rods should also conform to IS codes.
14. The cement brought and used should conform to ISS No. 269 of 1976 and steel should conform to IS No. 432/64 and 1786/79 (its latest amendment if any). It should be clearly understood that the rate quoted by the tenderer is inclusive of the cost of 43 grade Ordinary Portland Cement and steel including incidental charges such as conveyance, loading, unloading, stacking at site and testing charges etc., complete. The tenderer will be required to produce test certificate obtained from anyone of the Govt. Institutions for cement and steel

TENDERER

NO.OF CORRECTIONS:

SUPERINTENDING ENGINEER (AE)  
CHENNAI

- brought to site. As and when required by the Department, the cement and steel brought to the site shall be tested by the Department from anyone of the approved Govt. Institutions and only when the test results conform to the ISI specification, the materials will be allowed to be used in the works.
15. Steel rods should be cut and placed as reinforcement with proper anchorage to the available rods at site so as to ensure the minimum wastage possible.
  16. The cement brought by the contractor for use should be carefully stacked in approved stores and on works as and when required the proper care so as to ensure the minimum wastage possible.
  17. All the dismantled work should be made good plastered and cement painted to match the original surface.
  18. For all RCC works the rate shall include the treatment of bearings as per plan of TNBP. No extra payment will be made.
  19. If the rates are not separately called for, similar items of works in different floors, the contractor should quote, one rate applicable for all the floors indicated in the detailed plans, any claims for extra rates for such items floor wise will not be entertained under any circumstances.
  20. The contractor should not employ the labour below the age of twelve years.
  21. If night work required for fulfilling the agreed rates of progress, all arrangement shall be made by the contractor inclusive of lighting without any claim for extra rate.
  22. **Rates:** The tenderer shall quote their total cost of the work based on rates for the finished item of work only as given in the schedule. It shall be clearly understood that no increase in the rates tendered for will be permissible on any account after the tenders are accepted.
  23. For interpretation on terms of the contract, if any, the decision of the **Superintending Engineer (Agricultural Engineering), CHENNAI** is final and binding.
  24. The tenderer shall examine closely the General conditions of contract of the Tamil Nadu Detailed Standard Specifications issued in the G.O. Ms. No. 2659, dated 23rd December 1970 and sign the copy kept in the office before submitting his tender.
  25. The electrical works should be executed by a person or firm holding „A“ grade or „B“ grade license.
  26. Once the offer of the tenderer is accepted by the AED, if either the tenderers choose to withdraw this tender or for any reason refused to execute the agreement and comply with the terms of the tender and agreement, the amount deposited by the tenderer towards the EMD / SD and A.S.D. shall be forfeited and tenderer shall not be entitled to refund the same.

TENDERER

NO.OF CORRECTIONS:

SUPERINTENDING ENGINEER (AE)  
CHENNAI

27. The contractor should take risk insurance against fire, other usual risk for all or any loss or damages occasioned by or arising out of acts of God, and in particular unprecedented flood, volcanic eruption, earthquake or other convulsion of nature, invasion, the act of foreign enemies, hostilities or warlike operations (before or after declaration of war) rebellion, military or usurped power, such policy should cover the construction period against the risk by the construction at his / their own cost and produce to the concerned Executive Engineer / Superintending Engineer within one month from the date of execution of the agreement failing which the AED shall be entitled to take out whatever policy as may be required to cover those eventualities and to effect recovery towards the cost of such policies from the contractor's payments with a penalty of 50% on the cost of such policies.
28. Water closet, basins, urinals, sinks and other sanitary ware shall be of approved make as required in the relevant items. The fixing of these should be in accordance with the special specifications after the completion of the work.
29. The clamps of G.I. pipes fittings should not be spaced more than 6" part from the wooden plug for pipe and bracket fittings should be properly fixed in C.M1:3 in holes made in and not hammered into the walls. The size of plugs should be not less than 1"sq. at this end and at the other end with the depth of not less than 3".
30. The contractor should procure approved quality of paint only in containers. The above container should be used in the presence of the Engineer and got approved before use. On any account paint in other than original container will not be allowed for use.
31. Recovery under Revenue recovery Act: Whenever any amount has to be paid by the contractor in view of termination of the contract by virtue of clause 57.4 (TNBP) or any amount that may be due or may become due from the contractor under these present and the contractor is not responding to the demand for the payments of the said amount, then the AED shall be entitled to recover the said amount as per the provisions of the Tamil Nadu Revenue Recovery Act, 1964 (Tamil Nadu Act. V of 1964).
32. The successful tenderer should convert his / their EMD in the shape of Term Deposit/NSC/DD/ if it is in any form other than cash receipt.
33. The contractor should note their GST registration certificate No. in the tender form and produce the documental evidence for up to date GST clearance before final settlement of contracts.
34. **Any extension of time may not be granted by the authority unless the delay is caused by the Department.**
35. The contractor is bound by all the condition of clauses of standard General condition of

contract as amended time to time if in the course of the contract, any G.O. is issued introducing new condition or clauses (for PWD / Other department), Supplemental Agreement must be executed by the contractor for implementing the condition.

36. In the event of the work transferred to any other unit Division the Executive Engineer / Assistant Executive Engineer who is in-charge of the units/Divisions/Sub Division having jurisdiction over the above shall be competent authority to exercise all the powers and privilege of AED and to act on behalf of AED.
37. The contractor shall form his own approach road to the work sites for which no extra will be due to him. On completion of work the contractor shall not be permitted to remove the materials laid for the formation of road. If the contractor is allowed to use the existing roads, he shall maintain them in good condition on at his own cost throughout the period of contract.
38. The work should be executed in accordance with the circular instruction of the Chief Engineer issued from time to time. Copy of the circular instruction can be perused in the department office during office hours.
39. During the course of contract period deductions of Income Tax shall be made as per the provisions of the Income Tax Act amended from time to time as applicable.
40. GST on construction contracts all the rates quoted in tender shall be inclusive of GST payable under general sales tax act amended from time to time and that the contractors are responsible to file the GST return and contractor is responsible to pay the amount as demanded by GST Department. No request for payment of GST separately in addition to tendered rates due to and plea of subsequent levy or increase in tax will be entertained.
41. Royalty / seigniorage charges due for use of any quarry land shall be paid by the contractor.
42. The contractor should be responsible for the safe custody storage of materials under dry conditions at the place of work spot approved by the Executive Engineer.
43. The contractor should abide by the labour regulation acts framed by the Government of Tamil Nadu.
44. Impounding minimum 10 cm of water over roofs for 48 hours before laying the weathering course and pressed tiles to check the watertightness.

## 6. Schedule“B”

### **Provision of health and sanitary arrangements for workers**

*(Applicable to all cases of work except works relating to roads, channels and canals)*

The contractor's special attention is invited to clauses to the General conditions of contract of Tamil Nadu Building Practice and is expected to provide at his own expense the following amenities to the satisfaction of the Engineer.

- **First Aid**

At the work site there shall be maintained in a readily accessible place, first aid appliances and medicines including adequate supply of sterilized dressings and sterilized cotton wool. The appliances shall be kept in good order. They shall be placed under the charge of a responsible person who shall be readily available during working hours.

- **Drinking Water**

- Water of good quality fit for drinking purposes shall be provided for the workers on a scale of not less than 15 litres per head perday.
- Where drinking water is obtained from an intermittent public water supply, each work place shall be provided with storage tank where such drinking water shall be stored.
- Every water supply storage shall be at a distance of not less than 15 meters from any latrine drain or other source of Pollution. Where water has to be drawn from an existing well which is within 15 meter radius from latrine, drain or any other source of pollution the well shall be properly chlorinated before water is drawn from it for drinking. All such wells shall be entirely closed and provided with a trap door which shall be dust and waterproof.
- A reliable pump shall be fitted in each covered well, the trap door shall be kept locked and opened only for cleaning or inspection which shall be done at least once a month.

- **Latrines andUrinals**

There shall be provided within the precincts of every work place latrines and urinals in an accessible place and the accommodation separately for each of them shall be on the following scale or as directed by the Executive Engineer in any particular case.

Sl. No.	Details	Seats
i.	Where the number of person employed does not exceed 50 Persons	2 nos
ii.	Where the number of persons employed exceed 50 but less than 100persons	3 nos
iii.	For every additional 100 persons	3 nos

If women are employed separate latrines and urinals screened from those for men shall be provided on the same scale.

Water flushed latrines are to be provided.

- **Washing and Bathingplaces**

Adequate washing and bathing places shall be provided separately for men and women, such places shall be kept in clean and drained condition. Bathing or washing should not be allowed in or near any drinking water well.

- **Rest Sheds**

At the work site there shall be provided free of cost two suitable sheds one for male and the other for female for rest; fit for the use of laborers.

At every work place at which 50 or more women workers are ordinarily employed there shall be provided two huts of suitable size for the use of children under age of 6 years belonging to such women. One hut shall be used for infant's games and play and the other as their shed room. The huts shall not be constructed on a lower standard than following.

- Thatchedroofs
- Mud floors andwalls
- Planks spread over the mud floor and covered withmatting.

The use of the huts shall be restricted to children, their attendants and mothers of the children.

- **Canteen**

A cooked food canteen on a moderate scale shall be provided for the benefit of workers, if it is considered expedient.

- **Insurance**

The contractor should insure the workers employed by them at the site of work for a minimum of Rs.1.00 lakh (Rupee One Lakh) each or more at his own cost.

- **Shed for housing**

The contractor should provide at his expense shed for housing his workers. The shed shall be on a standard not less than the cheap shelter type to live in which the workers are accustomed to. A foot area of about 6'5' for 2 persons shall be provided. The sheds are to be in rows with five feet clear space between roads if conditions could permit. The workers shall be laid out in units of 400 persons each. Each unit to have clear space of 12m all round.

## **7. ADDITIONAL CONDITIONS**

### **Retention Money:**

- 5% of value of work shall be recovered from each bill as retention money
- 50% of Retention money deposit amount recovered from the bills would be paid to the contractor along with final bill.
- The E.M.D., Security Deposit and Additional Security Deposit shall be released only after the **expiry of six months from the date of completion of work.**
- **Balance 50 % of Retention Money will be released after expiry of one year from the date of completion of work** for which the contractor has to give a written undertaking in the form of an indemnity bond for further period of 4 years.

### **DEDUCTION OF GST ON WORKS CONTRACTS**

- The total value of contract/service which exceeds Rs.2.50 Lakhs, 2% GST Tax at source will be deducted.( 1% CGST & 1% SGST) as applicable from time to time in addition to 1% or 2% of TDS as per Income Tax Act.
- The Government of Tamil Nadu by act of 1999 has introduced section 7F to the Tamil Nadu general Sales Tax Act 1959 here in provisions have even introduced for "Deduction of Tax at Sources in works contract" at the time of payment.
- According to Section 7F of the TNGST Act 1959, every persons responsible for paying any sum to any dealer for (From the dealers/contractors) at the time of payment.
- **Civil works contract:** 2% of total amount payable to such dealers/contractors.
- All other works contract: 4% of the total amount payable to such dealers / contractor.
- The amount so deducted shall be deposited to the Assessing Authority of Commercial Tax Department within 7 days of the amount so deducted along with a

statement in the prescribed form(XXXVII).

- In the case disputes for claims up to Rs.50,000/- the **Superintending Engineer, Agricultural Engineering Department, Chennai** shall be final deciding authority. In case of claims exceeds Rs.50,000/- it should be referred to court.
- If the contractor quotes unworkable rates in the tender, special additional security deposit will be levied at the discretion of the **Superintending Engineer, Agricultural Engineering Department, Chennai** apart from usual deposits. In case of tender at 10% less than the estimated value, 1% (one percent) of estimated value shall be collected in one lump sum as additional security deposit.
- It is obligatory on the part of the contractor to recover the Employees Provident Fund Subscription from the Employees who work for more than 60 days and remit to the Regional Provident Fund Commissioner.
- All the dismantled work should be made good to match the original surface.
- The contractor shall make use of kiln burnt ground molded country bricks/stock bricks of clear designation so having average compressive strength of 35 kg/cm<sup>2</sup> for country bricks and 50 kg/cm<sup>2</sup> for chamber Burnt/stock bricks.
- The testing shall be done by the contractor at their own cost of the materials such as cement, sand, bricks, steel, pressed tiles, water, etc., & the finished products like concrete cubes. Every consignment of steel supply should be tested for quality at contractors own cost.
- The contractor shall make their own arrangements for the leveling instruments at site of work.

TENDERER

NO.OF CORRECTIONS:

SUPERINTENDING ENGINEER (AE)  
**CHENNAI**

## 8. SPECIAL CONDITIONS FOR SENDING THE CEMENT CONCRETE CUBES FOR TESTING

The contractor should make arrangements for getting mould to the site for casting of cubes for testing of concrete strength.

- **Mould :** The concrete mould should be as per IS Specification (IS-516-1959) the details of which are as follows:

The mould shall be of metal, preferably steel or cast iron and strong enough to prevent distortion. It shall be constructed in such a manner as to facilitate the removal of the moulded specimen without damage and shall be so machined that when it is assembled ready for use, the dimensions and internal faces shall be accurate within following limits.

The height of the mould and the distance between opposite faces shall be the specified size  $\pm 0.2\text{mm}$ . The angle between adjacent internal faces and top and bottom planes of the mould shall be  $90 \pm 0.50$ . The interior faces of the mould shall be plane surface with a permissible variation of 0.03 mm. Each mould shall be provided with metal base plate having a plane surface and to support the mould during the filling without leakage and it shall be preferably attached to the mould by springs for screws.

The interior surfaces of the mould shall be thinly coated with mould oil to prevent adhesion of the concrete.

- **Compacting:** The concrete shall be filled into the mould in layers approximately 5 cm deep. Each layer shall be compacted either by hand or by vibration as described below (as per ISI). When compacting by hand, the standard tamping bar shall be used and the strokes of the bar shall be distributed in a uniform manner over the cross section of the mould as prescribed in IS code and for cubical specimen. In no case, shall the concrete be subjected to less than 35 strokes per layer for 15 cm cubes (as per IS code). When compacting by vibration each layer shall be vibrated by means of an electric or pneumatic hammer or vibrator. The concrete cubes shall be cured for 28 days and sent on 29<sup>th</sup> day for testing. If the day falls on a holiday the cubes shall be sent on the next working day.
- The contractors will be permitted to use their compression testing machine at site of work and have the cubes tested at site. In this regard the following practice shall be adopted.
- An exclusive cubicle of adequate size with ambient environment be made available at work site by the contractor for the purpose of testing of concrete cubes. A calibrated compression testing machine shall be installed on a suitable concrete base of required thickness and the

machinery firmly anchored with bolts to the foundation concrete. The testing machine and its gauges should be properly calibrated and maintained to avoid occurrence of erroneous results. The sample cubes shall be tested as per IS 516 by the departmental AE/JE in charge of the site under the supervision of the AEE concerned. The observations be recorded in an observation note book and the compressive strength of the cubes arrived at. The strength of the cube thus arrived must be recorded in the register and duly authenticated. However, in case of mass concrete like RCC raft slab and roof slab, a minimum of one set of cubes must be got tested from any one of the approved list of labs for its 28 days compressive strength. If the contractor fails to make required testing arrangements at site, all the samples are need to be tested from the approved lab. Also, if any senior officer notices unacceptable testing procedure at site, the permission to test cubes at site will be withdrawn.

- Periodical calibration of the compression testing machine should be ensured by the contractor and same may be verified by the AED Engineers. Executive Engineer may specifically check this testing process and calibration during their site inspections and records. In case a test is due for a sample cube during their inspection the Executive Engineer may conduct the test and record.
- All the charges connected with the cube testing etc. shall be borne by the contractor.
- If the concrete cube is found to be of lesser strength redoing the work will be ordered by the Engineer.

## 9. CONDITIONS FOR EMPLOYING TECHNICALLY QUALIFIED PERSONS

Technical qualified persons should be employed as follows:

Sl. No.	Value of Contract	Qualification and No. of Technical Assistant to be employed
(1)	(2)	(3)
1.1	Upto 1 Lakh	No Technical Assistant need be employed. However if the officer who accepts the agreement, feels that the nature of work required a Technical Assistant, conditions may be stipulated in the tender notice that one diploma holder in Civil Engineering or a retired Junior Engineer may be employed.
1.2	Rs. 1 Lakh to Rs. 3 Lakhs	One Diploma holder in Civil Engineering or not less than one retired Junior Engineer
1.3.	Rs. 3 Lakhs to Rs.10 Lakhs	One B.E., (Civil) or equivalent degree holder or not less than one retired sub-divisional officer(Assistant Executive Engineer or Assistant Divisional Engineer).
1.4	Rs.10 Lakhs to Rs.25 Lakhs	One B.E., (Civil) or equivalent degree holder with three years" experience in Civil Engineering works not less than one retired sub-divisional Officer plus one Diploma holder in Civil Engineering.
1.5	Rs.25 Lakhs to Rs.50 Lakhs	One B.E., (Civil) or equivalent degree holder with three years" experience or not less than one retired sub- divisional officer (retired Assistant Executive Engineer) plus two Diploma holders in Civil or two retired Junior Engineers. <b>(ALTERNATIVE)</b> One B.E., (Civil) or equivalent degree holder with three years" experience or not less than one retired Sub-Divisional Officer and one more B.E., (Civil) or equivalent degree holder.
		<b>ALTERNATIVE</b>
1.6	Above Rs.50 Lakhs	To be examined in individual case depending on the nature of technical skill involved and defined in the Tender Notice regarding the number of qualifiedtechnical person to be employed by the contractor.

- A penalty of Rs.500/- p.m. for Diploma holder and Rs.1,000/- p.m. for Degree holder be levied in case of default on the part of contractors in following the norms laid downabove.

TENDERER

NO.OF CORRECTIONS:

SUPERINTENDING ENGINEER (AE)  
CHENNAI

The employment of Technical Assistant could be based only on the value of contract. Engineers with Mechanical Engineering Qualification and retired from Civil Engineering department are also suitable to supervise the Civil Engineering works because of their experience in Civil Engineeringfield.

\*\* I am / we are professionally qualified and my / our qualifications are given below.

NAME	QUALIFICATION	EXPERIENCE

I / we employ the following technical staff for supervision the work and will see that one of them is, always at site during working hours personally checking all items of work that paying extra attention to such works is required special attention (e.g.) reinforcement concrete work.

Name of member of technical staff proposed to be employed	QUALIFICATION	EXPERIENCE

In deciding the period of absence, the certificate from the Assistant Exe. Engineer in- charge of the work Counter signed by the Executive Engineer – incharge shall be taken as the conclusive evidence and I/we shall be bound by such a certificate.

**\*\* Note:** In case of tenderer, who is professionally qualified but not in a position to remain always at the site of the work during working hours personally checking all items of work and paying extra attention to such works as may demand special attention.(e.g.)work etc., he should employ technically qualified persons (as prescribed for the work).

TENDERER

NO.OF CORRECTIONS:

SUPERINTENDING ENGINEER (AE)  
CHENNAI

## 10. SPECIAL CONDITION FOR ELECTRICAL WORKS

- The work shall be carried out in accordance with the General specification for electrical works and the code of practice for electrical wiring installation I.S. 732-1963 & I.S. 3043-1964 and as amended up to date. All installation shall comply with the requirements of Indian Electricity Rules 1956 & Act and I.S. Code amended up to date.
- Approval of the Engineer in-charge shall be taken well in advance for all materials and brand of materials to be used on work by the contractors, based on the approved brand of materials list enclosed in the tender. The choice of brand of materials from the approved list is at the discretion of the Engineer-in-charge and his decision will be final. The contractor is bound to use the brand of materials selected by the Engineer-in-charge.
- Bad workmanship is liable to be rejected.
- The contractor shall supply on completion of work completed plan along with insulation polarity and earth test reports before the installation is handed over to the Engineer in-charge in good condition in triplicate. The tests should be carried out in the presence of Engineer-in-charge at contractor's cost.
- All repairs and patch work shall be neatly carried out to match the original finish and to the entire satisfaction of Engineer-in-charge.
- The contractor shall make his own arrangement at his own cost for all general T&P and spl. T&P required on the job.
- The contractor shall make his own arrangements for storage of materials and watch and ward at his own cost, till the installation (completed work) is handed over to the Department after obtaining service connection from Electricity Board and testing the line. Any loss and tampering of materials for which the payment was made good by the Department will be made by the contractor at his own cost.
- All the debris due to electrical works shall be removed from site by the contractor as soon as the work is completed.
- Electrical works shall be progressed by the Contractor side by side with the progress of the building work burying of conduits for recessed portion shall be planned together with the building progress so that there is no hindrance to the building's progress at any stage.

TENDERER

NO.OF CORRECTIONS:

SUPERINTENDING ENGINEER (AE)  
CHENNAI

- The internal E.I. shall be ordinarily carried out according to the drawing supplied with the schedule of work subject to change made by the Engineer-in-charge.
- The wiring route shall be marked at site first and get approval from the Engineer-in-charge before commencement of actual work. The work must be carried out as directed by Engineer-in-charge.
- PVC wiring shall be neatly painted with two coats for non-cracking paint / distemper suitable for painting PVC wire and of suitable colour to match the surroundings as per the direction of Engineer-in-charge.
- In place where electrical conduit is required to pass through wall/RCC column beam etc., the conduit shall be laid during the execution of work in consultation with the Engineer-in-charge so as to avoid the need for cutting the structure at a later date.
- The T.W. materials such as fillets, specials, TW boxes and all materials shall be got approved from the Engineer-in-charge before use to ensure the quality of materials.
- In the case of recessed conduit works, the MS boxes shall also be recessed and covered with 1/8" (3 mm) mild steel/Bakelite sheet. The thickness of MS sheet shall not be less than 3 mm thick.
- Provision of fittings.
  - a. All switch Board shall be so placed that the bottom is normally 1.22 meter above floor level or such height as decided by the Engineer-in-charge.
  - b. All fittings shall be provided at 2.6 metre from the floor level or such height as decided by the Engineer-in-charge.
  - c. The convenient 5/15 Amps plug socket shall be 25cm. above the floor level or such height as decided by the Engineer-in-charge.
  - d. Wiring shall run normally at 2.6 metre from the floor level or such height as decided by the Engineer-in-charge.
- Tools and plant General and Spl. as required on the work is to be arranged by the contractor at his own cost.
- Brass tinned like/joint clips of 0.32 mm (30 gauge) thick up to 40mm length and 0.40 (28 gauge) thick above 40mm length and of width shall be used on the work.
- Brass hinged brass hooks and eyes, single plank teak wood boards of 60mm minimum depth in case of open wiring and minimum depth of 100 mm in the case of concealed wiring and not less than 6.5 mm thickness shall be used on the works.
- Fixing of wooden battens.

- a. The Screws shall be used for fixing the wooden batten and accessories at an interval not exceeding 50cm. The thickness of batten shall be less than 10mm.
  - b. The clips are provided on the wooden batten with screws/pins and spaced at an interval of 15cm both in the case of horizontal and vertical run.
  - c. Round block shall not be less than 75mm dia. and 40mm deep and fixed by means of 2 nos. of screws.
- Piano type switches outlet of approved make wherever needed shall be used for recessed boards after getting the approval of Engineer in-charge.
  - Only brass screws shall be used for fixing fitting switches plugs and sockets main boards and distribution board and T.W. accessories etc., required for the wiring.
  - All conduit pipe shall be approved gauge (not less than 16 SWG : 14SWG) solid drawn of lap welded finished with galvanized steel enameled finished. The saddles used shall not be less than 24 gauge upto 25mm dia pipes and not less than 20 gauge for inner dia pipes.
  - The main earthing shall not be less than 8 SWG copper (4.06mm) in case of copper wire earthing or 6 SWG G.I wire (4.98mm) in case of G.I. wire earthing. Separate earthing shall be provided for all mountings of rain Boards, distribution boards, 5/15 amps. C.S. plug sockets with not less than 14 SWG of copper (2.03mm).
  - Earthing shall conform to relevant I.S. Code 3043-1966, the G.I. Pipe earth electrode system is adopted G.I. pipe shall be of medium class 38/40mm dia. 3.75 meters long. The electrode/ shall be buried in the ground vertically with its top not less than 20 cm. below ground level, Normally an earth electrode shall provide 1.5 meters away from any building. In case of providing twin earthing the distance between the earth pits shall be 10 feet. Alternate layers of charcoal or coke and seal of minimum 15 cm thick are to be provided from the bottom of earth pit up to 1 meter below ground level and the masonry work is to be carried out in brick with the cement mortar 1:4 above the last layer and the top is to be covered by suitable cast iron frame and cover.
  - The staircase light point wiring must be done by looping or piece wire system and which must control phase or live wire only.
  - Looping in system is to be adopted for wiring. Normally the looping of neutral of light, fan, plug point etc., should be restricted to three points for a single wire from the switchboard.
  - The wooden batten and specials shall not butt jointed and joints should be lap jointed.

- The wiring must be done using bend and corners wherever necessary; sharp bending of cable must be avoided.
- The lighting circuit shall not have more than 10 point or a load of 800 watts whichever is less.
- Power wiring shall be kept separate and distinct from the lighting wiring.
- The contractor should be present at the premises at the times of effecting service connection by the Electricity Board authority and afford all facility for testing and commissioning the installation.
- The contractor should provide sufficient leads for connecting the main switches to meters and cut out provided by the Electricity Board at his own cost.
- The main switches should be numbered in paint for easy identification and the danger boards should be provided wherever necessary according to I.E Rules and regulations.
- Looping of neutral and connection wires in the switch boards must be carried out through mechanical connectors and proper insulation shall be provided inside the switch board wherever necessary to avoid short circuiting the system.
- The scaffolding and the shed required for the electrical installation works should be put up by the contractor at his own cost.
- The Distribution Box used shall be metallic enclosed type with fuse unit and neutral link. The earthing for the main switches provided in the service connection Board should be properly interconnected and connected to the main earthing system.

#### 10. Schedule “B” – List of Drawings

SI No	Drawing No	Description
1	1	Floor Plan
2	2	Front Elevation

## 12. Letter from Tenderer

Dated:.....

To

The Superintending Engineer (AE),  
Agricultural Engineering Department,  
487, Anna Salai, Nandanam,  
CHENNAI – 600 035

Sir,

I / We do hereby tender and if this tender be accepted, undertake to execute the following work

Name of work & Location	<b>Construction of Sub Agricultural Extension Centre at Edayarpakkam Village, Sriperumbudur Block, Kanchipuram District under NABARD RIDF XXVI 2020-21</b>
-------------------------	--

as shown in the drawings and described in the specifications deposited in the Office of the **Superintending Engineer (Agricultural Engineering), Chennai** with such variations by way of alterations, additions to, and omissions from the said works and method of payment as are provided for in the conditions of contract for the sum of Rupees. (in words and figures)

.....  
.....

or such other sum as may be arrived at under the clause of the General conditions of contract relating to "Payment on lump-sum basis or by final measurement at unit prices".

I / We have also completed the price bid in Schedule "C" annexed (in words and figures) for which I/We agree to execute the work and receive payments on detailed final measurement at Unit Prices.

I/We hereby distinctly and expressly declare and acknowledge that, before the submission of my/our tender I/We have carefully followed the instructions in the tender notice and have read the Tamil Nadu Building Practice and the Preliminary Specifications therein and that I/We have made such examination of the contract documents and the plans, specifications and quantities and of the location where the said work is to be done and such investigation of the work required to be done and in regard to the material

TENDERER

NO.OF CORRECTIONS:

SUPERINTENDING ENGINEER (AE)  
CHENNAI

required to be furnished as to enable me/us thoroughly to understand the intention of the same and the requirements, covenants, agreements, stipulations and restrictions contained in the contract, and in the said plans and specification and distinctly agree that I we will not hereafter make any claim or demand upon the Department based upon or arising out of any alleged misunderstanding or misconception, or mistake on my part of the said requirements, covenants, agreements, stipulations, restrictions and conditions.

I/We being a registered contractor enclose an income-tax verification / have already produced an income tax verification certificate in respect of (here particulars of the previous occasion on which the certificate was produced should be given) ....

I/We enclose herewith a Demand Draft for the payment of the sum of Each tenderer must pay as **Earnest Money Deposit, a sum of Rs.35,000 (Rupees Thirty Five thousand only)** as earnest money not to bear interest. If my/our tender is not accepted this sum shall be returned to me/us on my/our application when intimation is sent to me / us of rejection or at the expiry of 90 days/ from the date of this tender whichever is earlier. If my / our tender is accepted, the Earnest Money deposit shall be retained by the Department as security for the due fulfillment of the contract. If, upon written intimation to me/us by the **Superintending Engineer (Agricultural Engineering), Chennai** indicating that my/our presence is required for the purpose of enquiry, I/we fail to attend the said office before the end of Period specified on such intimation and if upon intimation being given to me / us by the **Superintending Engineer (Agricultural Engineering), Chennai** on acceptance of my/our tender, I/We fail to make the additional Security deposit or to enter into the required agreement as defined in the tender notice, then I/We agree to the forfeiture of Earnest Money deposit. Any notice required to be served to me / us here under shall be sufficiently served on me / us if delivered to me / us personally or forwarded to me / us by post (registered or ordinary) or left at my / our address given herein, such notice shall if sent by post be deemed to have been served on me/us at the time when in due course of post it would be delivered at the address to which it is sent.

I/We fully understand that a written agreement is to be entered into between me/us and the Department which is to be first signed by me / us and then by the proper officer authorized to enter into contracts on behalf of AED in normal course. However, I/We fully understand that on receipt of written communication of acceptance of tender from the accepting authority, there emerges a valid contract between the AED and the tenderer for execution of the work without any separate written agreement. Hence for this purpose, the tender documents i.e., tender notice, tender offered by the contractor, general conditions to the contract, special conditions to the

TENDERER

NO.OF CORRECTIONS:

SUPERINTENDING ENGINEER (AE)  
**CHENNAI**

contract, negotiation, correspondences, written communication of acceptance of tender, etc., shall constitute a valid contract and that will be the foundation of the rights of both the parties to the contract and further it shall be open to the accepting authority to insist execution of any written agreement by the tenderer, if administratively considered necessary or expedient.

I am/we are professionally qualified and my / our qualifications are given below.

Sl.No.	Name	Qualification

I/We will employ the following technical staff for the supervising the work and will see that one of them is always at site during working hours personally checking all item of works and paying extra attention to such works as require special attention (e.g.) Reinforced Concretework.

Name of members of technical staff Proposed to be employed	Qualification

TENDERER

NO.OF CORRECTIONS:

SUPERINTENDING ENGINEER (AE)  
CHENNAI

**Schedule of progress**

Period after date of commencement	Building should complete the following stages
1 <sup>st</sup> Month	Grade Beam Level
2 <sup>nd</sup> Month	Plinth Beam Level
3 <sup>rd</sup> Month	Roof Level
4 <sup>th</sup> Month	Roof Laid stage & Curing
5 <sup>th</sup> Month	Finishing stage (Plastering, Plumbing & Electrical works)
6 <sup>th</sup> Month	Completion stage (White washing, Color washing & Handing over)

1.	Name of the Tenderer and Address	:	
2.	Name of Work	:	Construction of Sub Agricultural Extension Centre at Edayarpakkam Village, Sriperumbudur Block, Kanchipuram District under NABARD RIDF XXVI 2020-21
3.	Date of Tender		<b>13.05.2022.</b>
4.	Details about EMD enclosed for this Tender and its validity	:	
5.	Registered class of the tenderer with monetary limit and department in which registered, Certified copy of the valid registration certificate should be attached	:	
6.	Details of works completed during the past 3 years (Details about name and place of work value of work etc., should be furnished)	:	

TENDERER

NO.OF CORRECTIONS:

SUPERINTENDING ENGINEER (AE)  
CHENNAI

7.	Works under execution (Details about name and place of work value of the work etc., should be furnished)	:			
8.	Command of Labour in brief	:			
9.	Turnover previous years (particulars for a period of three consecutive years to be furnished)	:	<u>2018-19</u>	<u>2019-20</u>	<u>2020-21</u>
10.	Whether verification enclosed income certificate tax is enclosed	:			
11.	i. GST Registration No	:			
	ii. Whether clearance enclosed	Sales certificate	Tax is	:	
12.	In case of Registered Cooperative societies they should furnish name of the nominee with their credential details at the time of tender itself. They should also certify that the nominee of the Society is not registered Tenderer in the department	:			

**Tenderer**

**Tenderer should furnish the Copy of Goods and Services Tax(GST)**

**Registration No.**

#### **QUOTING RATES BY TENDERER EXCLUDING GST**

The Tenderer shall quote the percentage of rates (both in figures and words) for all the items of the Works described in the Bill of Quantities along with total tender price (both in figures and words) **excluding GST**

TENDERER

NO.OF CORRECTIONS:

SUPERINTENDING ENGINEER (AE)  
**CHENNAI**

## **GST RATES AT 12% FOR WORKS CONTRACT**

Government of India has notified vide Notification No. 20 / 2017 – Central Tax (Rate), dated 22nd August, 2017 and Notification No.24 / 2017 – Central Tax (Rate), dated 21st September, 2017, the concessional rate of the Goods and Services Tax (GST) at 12% [CGST at 6% + SGST at 6%] is leviable for any Government Contract, whether Civil or Electrical, irrespective of the Goods and Services Tax (GST) rate applicable on purchase of goods used in the execution of GovernmentContract.

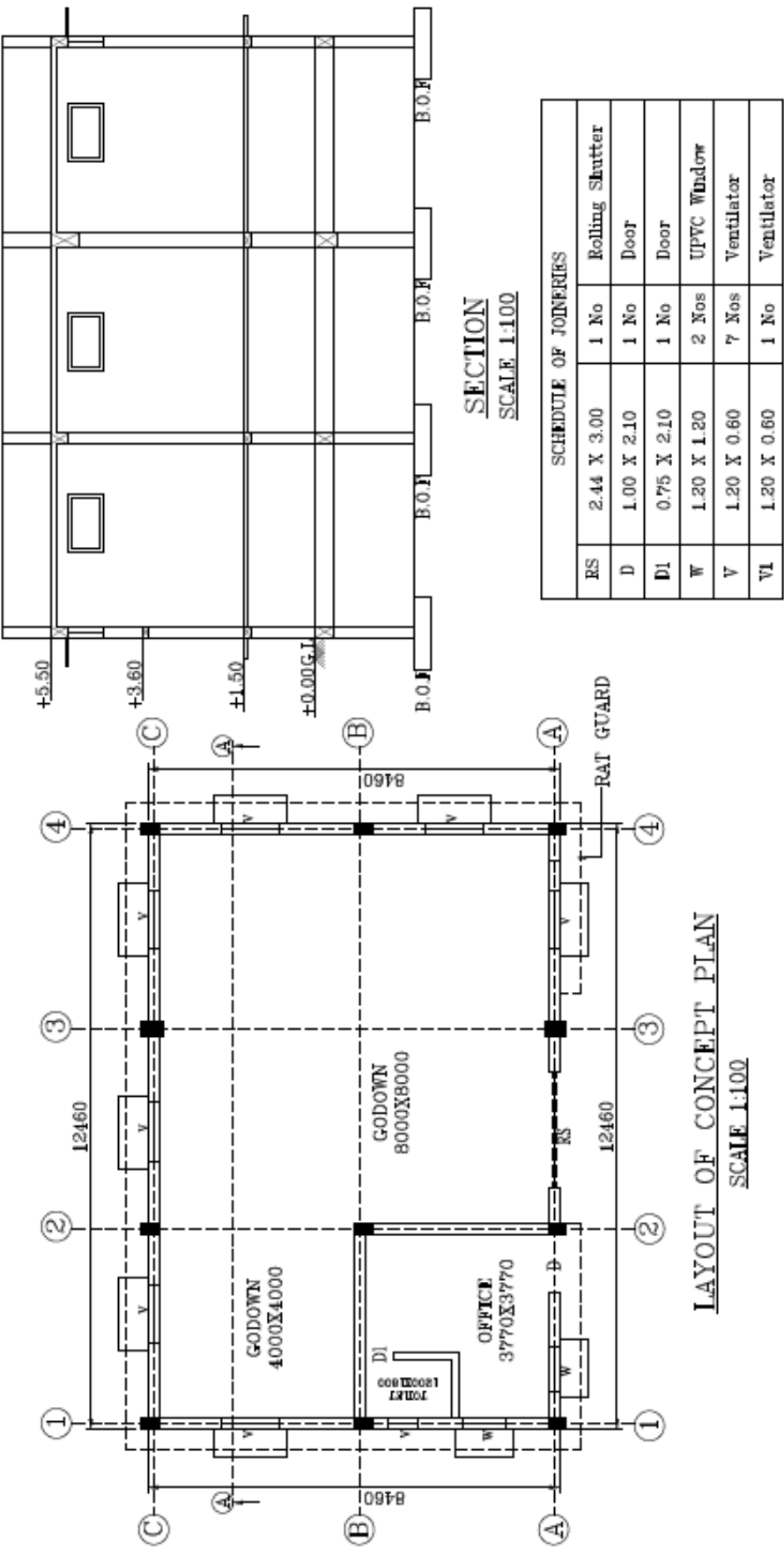
And the GST amount will be calculated at 12% from the sum of total tendered value quoted by the tenderer for construction cost (excluding GST) specified in the BOQ, Subject to GST rate applicable from time to time as recommended by the GSTCouncil.

- a) As per Notification 202, dated 29.06.2017 and as per sub-section (2) ofSection7 of the Tamil Nadu Goods and Services Act, 2017, (Tamil Nadu Act 19 of 2017), activities or transactions undertaken by State Government shall be treated neither as supply of goods nor a supply of service.
- b) As per Chapter IX (Section 41) of the Tamil Nadu Goods and Services Act,2017, every registered persons may be entitled to take the credit of eligible input tax, as self-assessed, in his return and such amount shall be credited on a provisional basis to his electronic creditedger.

TENDERER

NO.OF CORRECTIONS:

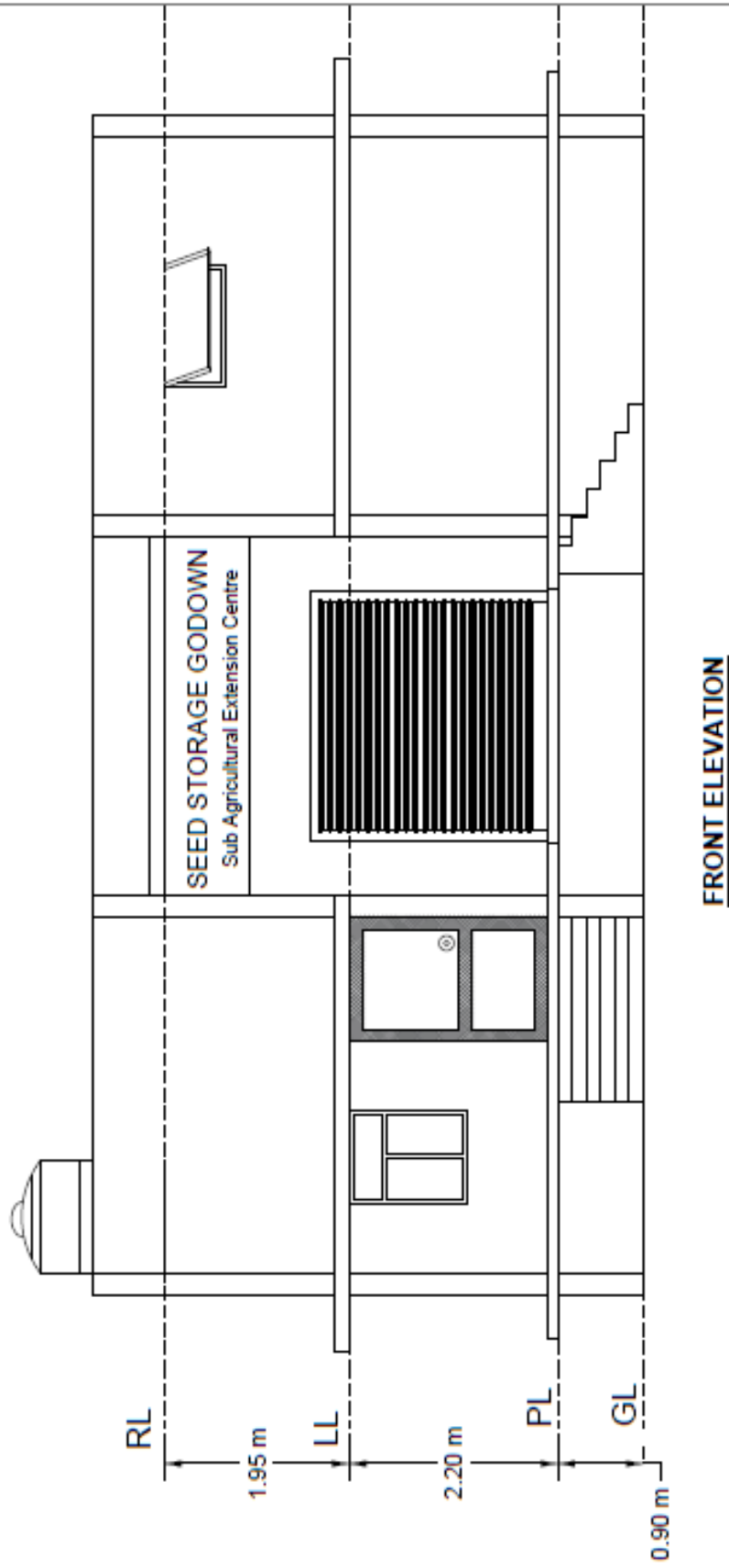
SUPERINTENDING ENGINEER (AE)  
CHENNAI



LAYOUT OF CONCEPT PLAN  
SCALE 1:100

Ground Floor Area - 12.46 x 8.46 - 105.41 sq m.

# SUB AGRICULTURAL EXTENSION CENTRE (SAEC)



FRONT ELEVATION

TENDERER

NO.OF CORRECTIONS:

SUPERINTENDING ENGINEER (AE)  
CHENNAI